DOLS SYSTEM

Direct

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Line

Service

DOLS SYSTEM

PRODUCTS GUIDE

KATAYAMA CHAIN (THAILAND) CO., LTD.
389/40 MOO10 KHAO KHANSONG, SRIRACHA, CHONBURI 20110
TEL/FAX: 03-300-2043

KATAYAMA CHAIN CO., LTD.
2-3-43, Honjo-Nishi,
Higashiosaka, Osaka 578-0965, JAPAN
TEL: 81-6-6748-2307 FAX: 81-6-6748-2327
WEB: http://www.kana.co.jp/en

This product guide is up to date as of December, 2020.
Please note that changes to specifications may be made at any time.

No.20001

PRODUCTS GUIDE

KANA

PRODUCTS GUIDE

KANA

片山チェン株式会社

KATAYAMA CHAIN CO., LTD.

Company Profile

Name: Katayama Chain, Co., Ltd.

Trademark: KANA

Established: February 11, 1958

Founded: 1919

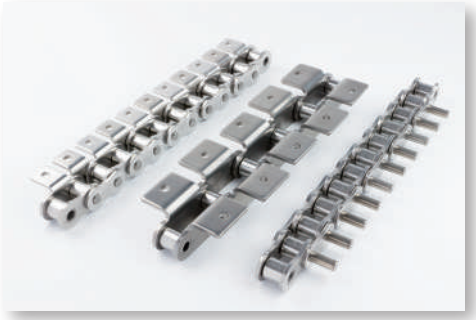
Address: 2-3-43, Honjo-Nishi,
Higashiosaka, Osaka 578-0965, JAPAN

Representative: Tomoki (Shigetsugu)
Katayama

Product Line Up

Sprockets

We offer an enormous lineup of
more than 5,900 types of products
to meet a variety of needs

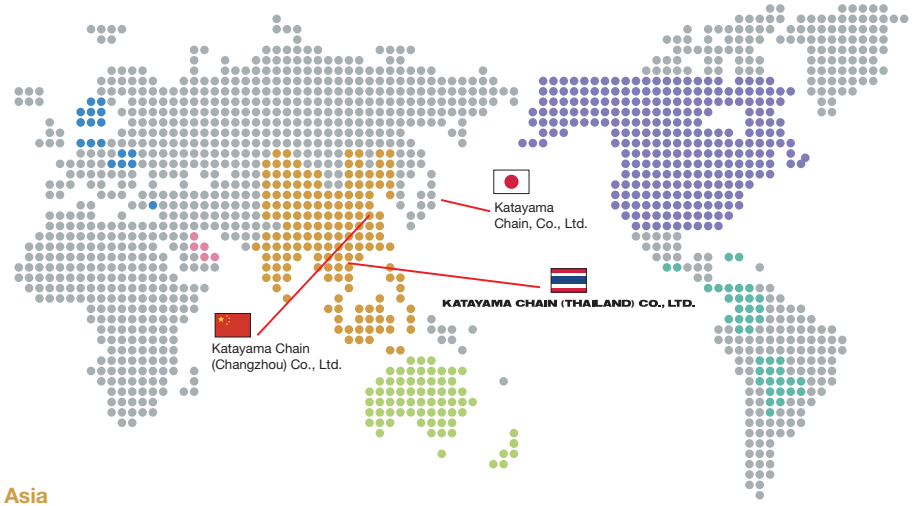


Roller Chains

Our roller chains are used in a wide
range of industries

We are the top sprocket sales company in Japan.
We also supply a wide range of transmission parts, shaft couplings, and accessories.

Major Export Destinations



■ **Asia**
China, South Korea, Taiwan, Philippines, Vietnam, Thailand, Malaysia, Singapore, Indonesia, Sri Lanka, India

■ **Europe**
Cyprus, Netherlands, Denmark, Switzerland

■ **North America**
Canada, US

■ **Central and South America**
Panama, Costa Rica, Guatemala, Dominican Republic, Colombia, Bolivia, Paraguay

■ **Near and Middle East**
Bahrain

■ **Oceania**
Australia, New Zealand

Business/logistics site for the ASEAN region

KATAYAMA CHAIN (THAILAND) CO., LTD.

KATAYAMA CHAIN (THAILAND) provides services from a central location in Thailand to our customers in countries all over the world, focusing on the ASEAN region.
From here, we are able to offer closer support to customers to deliver both satisfaction and peace of mind.

Product Index

KANA Roller Chains

Model Number: KANA25-1 to 200-1

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KANA Standard Roller Chains-Simplex

Model Number: KANA25-2 to 200-2

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KANA Standard Roller Chains-Duplex

Model Number: KANA40-3 to 160-3

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KANA Standard Roller Chains-Triplex

Model Number: KANA40-4 to 120-4

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KANA Standard Roller Chains-Multiple

Model Number: KANA04-1 to 32B-1

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KANA Standard Roller Chains-Simplex

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KANA Standard Roller Chains-Duplex

Model Number: KANA06B-3 to 32B-3

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KANA Standard Roller Chains-Triplex

Model Number: KANA25H-1 to 140H-1

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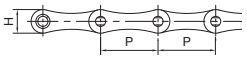
KANA Heavy Duty Series Roller Chains

Model Number: KANA A2040 to A2080



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KANA Double Pitch Transmission Chains

Model Number: KANA C40-1 to C120-1 KANA C40-2 to C120-2

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KANA Roller Chains with Straight Side Plates

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KANA Roller Chains

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KANA Roller Chains with Straight Side Plates

Model Number: KANA25 to 120 KANA06B to 24B

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KANA Roller Chains with Attachments (A1/K1)

Model Number: KANA25 to 120 KANA06B to 24B

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KANA Roller Chains with Attachments (SA1/SK1)

Model Number: KANA25 to 120 KANA06B to 24B

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KANA Roller Chains with Attachments (WA1/WA2/WK1/WK2)

Model Number: KANA25 to 120 KANA06B to 24B

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KANA Roller Chains with Attachments (WSA1/WSA2/WSK1/WSK2)

Model Number: KANA C2040 to C2120H

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KANA Double Pitch Conveyor Chains

Model Number: KANA C2040 to C2082H

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KANA Double Pitch Conveyor Chains with Attachments (A1/A2/K1/K2)

Model Number: KANA C2040 to C2082H

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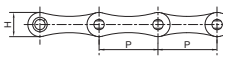
KANA Double Pitch Conveyor Chains with Attachments (SA1/SA2/SK1/SK2)

Model Number: KANA S32 to S62



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KANA S type Steel Agricultural Chains

Model Number: KANA CA550 to CA620

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KANA CA type Steel Agricultural Chains

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KANA Roller Chains

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KANA Stainless Steel Roller Chains

Model Number: KANA C2040SS to C2082HSS

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KANA Stainless Steel Double Pitch Roller Chains

KCM Roller Chains

Model Number: KCM06B to 200

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KCM Standard Roller Chains

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KCM Stainless Steel Chains

Model Number: KCM40SSP to 80SSP
KCM C2040S SP to C2080H SSP
KCM C2042 SSP to C2082H SSP

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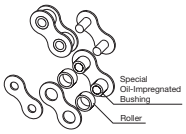
KCM SSP Chains



Model Number: KCM40NL to 80NL

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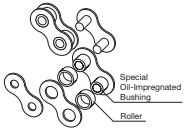
KCM Ultra Roller Chains (Oilless Type)



Model Number: KCM40NL-SUS to 60NL-SUS

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KCM Ultra Roller Chains (Oilless Type)/ NL-Stainless Type

Model Number: KCMC2040 to C2100H
KCMC2040-SUS to C2082H-SUS

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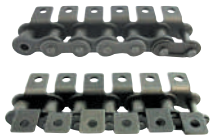
KCM Double Pitch Roller Chains/ Stainless Steel Double Pitch Roller Chains



Model Number: KCM40-A1 to 80-A1
KCM40-K1 to 80-K1

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KCM Roller Chains with A1/K1 Type Attachments

Model Number: KCM40-SUS A1 to 80-SUS A1
KCM40-SUS K1 to 80-SUS K1

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KCM Stainless Steel Chains with A1/K1 Type Attachments

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KCM Roller Chains

Model Number: KCM40 to 80

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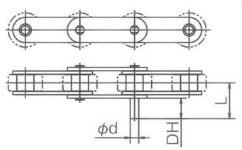
KCM Roller Chains with Attachments



Model Number: KCM35 to 160
KCMC2040 to C2122H

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KCM Double Pitch Chains with EP Attachments

Model Number: KCMC2040-A1 to C2082H-A2
KCMC2040-K1 to C2082H-K2

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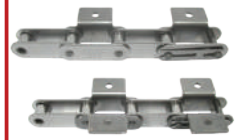
Double Pitch Roller Chains with A1/A2/K1/K2 Type KCM Attachments



Model Number: KCMC2040-A1 to C2082H-A2
KCMC2040-K1 to KCMC2082H-K2

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KCM Stainless Steel Double Pitch Roller Chains with A1/A2/K1/K2 Type Attachments

Model Number: KCMC2040 to C2122H

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KCM Double Pitch Chains with Standard Attachments

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KCM Conveyor Double Pitch Chains (DL)

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KCM Chains with Attached Top Roller

Model Number: KCMC2040 to C2102H

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KCM Double Pitch Chains with Top Roller

Model Number: KCM40 to 100

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KCM Roller Chains with Side Roller

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KCM Double Pitch Chains with Side Roller

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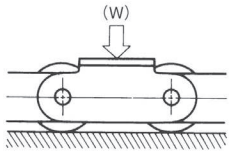
KCM Roller Chains



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KCM Small Conveyor Chains Selection

Model Number: KCM40H to 100H

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KCM H Type Heavy-Duty Chains

Model Number: KCM40-SUSAS to 80-SUSAS

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KCM High-Strength Type Stainless Steel (AS) Chains

Model Number: 11-SUS to 15

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Micropitch Chains

Model Number: KCM40SB to 60SB

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KCM Side Bow Chains

Model Number: KCM25-N to 80-N KCMC2040-N to C2060H-N

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KCM Rostop (Plated) Chains

Model Number: KCM40HP to 60HP KCMC2040HP to C2060HP

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KCM Hollow Pin Chains (Standard/Stainless Steel/Double Pitch)

Model Number: KCM40F to 100F KCM40F-SUS to 60F-SUS

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KCM F-type Oval Type Chains (Standard/Stainless Steel)

Model Number: KCM35 to 100 KCMC2040 to C2082H KCM40SSP to KCM80SSP

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KCM Special Configuration Roller Chains with Attachments

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Triple Speed/Carrier (Transport) Chains

Model Number: CZ-3DN to CZ-6DN CY-3DN to CY-6DN

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Triple Speed/Carrier Chains

Model Number: C3B9N to C6B12

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Triple Speed/Carrier Sprockets

Chain Accessories

Model Number: CK/CKA

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Chains Cutters/Chain Cutter Sets Products

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Straight Punch Chain Pullers/ Chain Detachers

Idlers & Tensioners

Model Number: ID/SUSID/ WID/EPID

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Idler Sprockets

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Straight Tension

Model Number: TMB

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Tensioner TM Series

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Transmission Accessories

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Conveyor Chains/ Sprockets

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Conveyor Chains R/F/S (M)

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Conveyor Sprockets R/F/S

Chain Couplings

Model Number: FBN3012 to 8022

P.348 to P.351

FBN Finished Bore Chain Coupling

Model Number: 3012 to 12022

P.352 to P.355

Chain Couplings

Model Number: CE410 to 430

P.356 to P.357

Plastic Chain Couplings

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Finished Bore Sprocket (Shaft hole complete product)

Style	Type	Sprocket No. and the page no. it appears on									
		11	15	25	35	40	50	60	80	100	120
	SUSFBP-B Round Tap Hole	P.120	--	--	--	--	--	--	--	--	--
	FBP-B Round Tap Hole	--	P.124	--	--	--	--	--	--	--	--
	FBN-B New JIS Key	--	P.124	P.128	P.138	P.162	P.192	P.222	P.250	P.272	P.288
	SUSFBN-B New JIS Key	--	--	P.130	P.146	P.172	P.202	P.230	P.255	--	--
	FBN-SD New JIS Key	--	--	--	--	P.176	P.206	P.232	P.256	--	--

Style	Type	Sprocket No. and the page no. it appears on				
	FBN Double Pitch S Roller	**2040**	**2050**	**2060**	**2080**	**2100**
		P.308	P.309	P.310	P.311	P.312
	FBN Double Pitch R Roller	**2042**	**2052**	**2062**	**2082**	
		P.314	P.315	P.316	P.317	--

Standard Sprocket

Style	Type	Sprocket No. and the page no. it appears on												
		11	15	25	35	410	40	50	60	80	100	120	140	160
	A-type	--	--	P.132	P.150	P.158	P.178	P.208	P.234	P.258	P.276	P.290	P.298	P.302
	B-type	--	P.126	--	P.152	P.160	P.184	P.214	P.242	P.264	P.282	P.295	P.301	P.305
	K-B-type (former B-type)	--	--	P.134	P.154	--	P.187	P.217	P.245	P.267	--	--	--	--
	C-type	--	--	--	--	--	--	--	--	--	P.282	P.295	P.301	P.305
	2B-type	--	--	--	P.157	--	P.190	P.220	P.248	P.270	P.286	P.296	--	--
	2C-type	--	--	--	--	--	--	--	--	--	P.286	P.296	--	--

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High-grade Sprocket (Hardened Teeth)

Style	Type	Sprocket No. and the page no. it appears on									
		40	50	60	80	100	120	140	160	180	200
	HG-A Hardened Teeth Sprocket	P.180	P.210	P.236	P.260	P.278	P.292	P.299	P.303	P.306	P.307
	HG-2A Hardened Teeth Sprocket	--	--	P.240	P.262	P.280	P.294	P.300	P.304	--	--

Special Purpose Sprocket

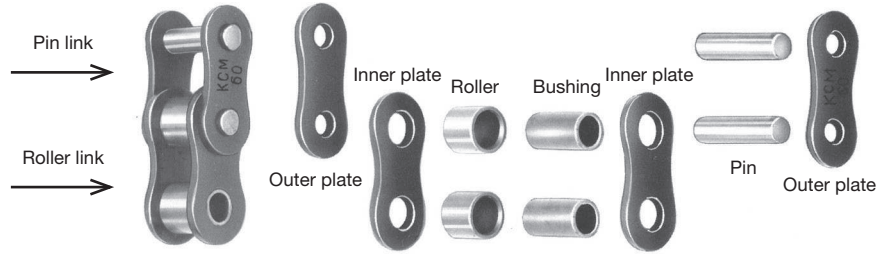
Style	Type	Sprocket No. and the page no. it appears on								
		11	15	25	35	40	50	60	80	100
	SUS-A Stainless Steel Sprocket	--	--	--	--	P.182	P.212	P.238	--	--
	SUS-B Stainless Steel Sprocket	P.122	--	P.136	P.155	P.188	P.218	P.246	P.268	--
	SD Single-Double Sprocket	--	--	--	P.156	P.189	P.219	P.247	P.269	P.284

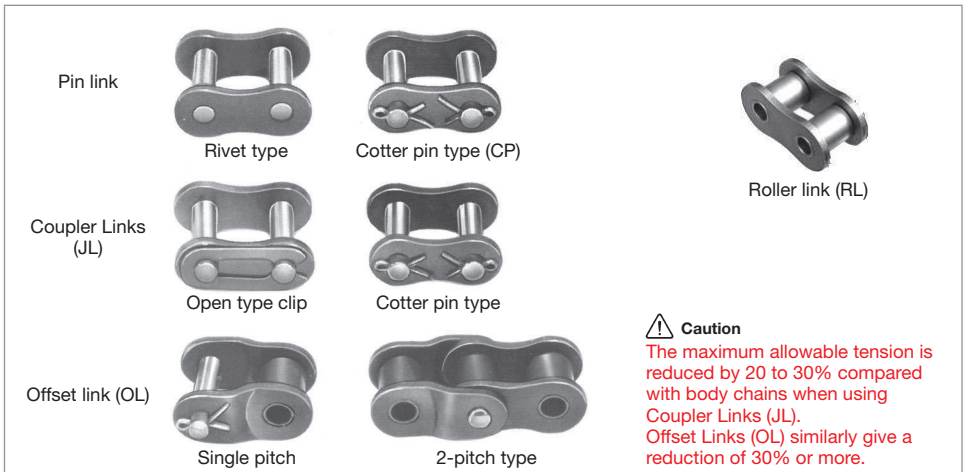
Double Pitch Sprocket

Style	Type	Sprocket No. and the page no. it appears on				
		2040	**2050**	**2060**	**2080**	**2100**
	S Roller B-type	P.318	P.322	P.326	P.330	P.332
	Stainless Steel S Roller B-type	P.320	P.324	P.328	--	--
		2042	**2052**	**2062**	**2082**	**2102**
	R Roller B-type	P.319	P.323	P.327	P.331	P.333
	Stainless Steel R Roller B-type	P.321	P.325	P.329	--	--

Standard Roller Chains

Roller Chain Configuration and Components





Caution
The maximum allowable tension is reduced by 20 to 30% compared with body chains when using Coupler Links (JL).
Offset Links (OL) similarly give a reduction of 30% or more.

Warning

- Additional processing of the chain body or components (plating/hardening/welding/cleaning with acid or alkali etc.) is dangerous.
- Do not replace the components alone if worn or damaged but replace with an entirely new product. Replacing both the roller chain and sprocket at the same time is recommended.

Caution

- Refer to the user manual (available from our homepage) for information regarding use, and be sure to conduct periodic maintenance of the roller chain and sprocket.
- The chain body and individual Roller Link (RL) components should only be used by those with sufficient knowledge of the chain structure and specifications.

Two Brands Handled by Katayama Chain Co., Ltd.

Katayama Chain Co., Ltd. provides 2 types of roller chains under different brand names. The differences between each product are outlined below.

KANA Roller Chains (International Standard ISO9001 Accredited)
KANA brand chains are recognized the world over and have a strong reputation in the global market thanks to our customer's satisfaction.
KANA Chain packaging specifications can be found on the KANA homepage.
http://www.kana.co.jp/en/

KCM Roller Chains
Trusted and proven roller chains produced domestically by KCM (Kaga Industries Co., Ltd.).
An abundance of variations are available that deliver both high product quality and peace of mind.

KANA Standard Roller Chains

Simplex Roller Chains & Bush Chains

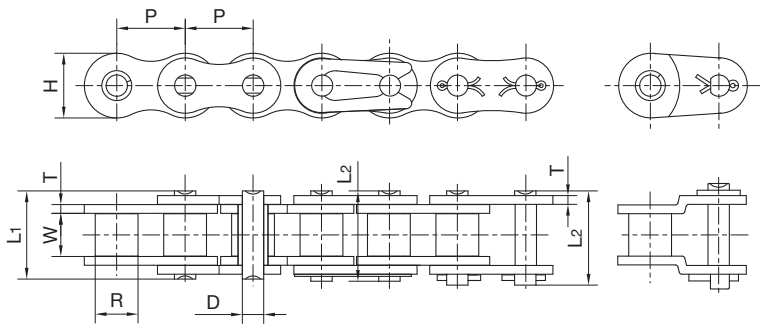
Order No. Example

KANA 40-1R 240 Links

Chain No.

10ft

Unit



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Average Tensile Strength kN	Approx. Weight kg/m
*25-1	6.35	3.30	3.18	2.31	7.90	8.40	6.00	0.8	5.0	0.15
*35-1	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.3	11.3	0.33
41-1	12.70	7.77	6.25	3.58	13.75	15.00	9.91	1.3	12.6	0.41
40-1	12.70	7.95	7.85	3.96	16.60	17.80	12.00	1.5	18.6	0.62
50-1	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.0	31.3	1.02
60-1	19.05	11.91	12.57	5.94	25.90	27.70	18.00	2.4	43.2	1.50
80-1	25.40	15.88	15.75	7.92	32.70	35.00	24.00	3.2	74.3	2.60
100-1	31.75	19.05	18.90	9.53	40.40	44.70	30.00	4.0	107.6	3.91
120-1	38.10	22.23	25.22	11.10	50.30	54.30	35.70	4.8	163.1	5.62
140-1	44.45	25.40	25.22	12.70	54.40	59.00	41.00	5.6	222.5	7.50
160-1	50.80	28.58	31.55	14.27	64.80	69.60	47.80	6.4	266.9	10.10
180-1	57.15	35.71	35.48	17.46	72.80	78.60	53.60	7.2	361.1	13.45
200-1	63.50	39.68	37.85	19.85	80.30	87.20	60.00	8.0	466.8	16.15

*Bush chain: R in the table indicates the external diameter of the bush

KANA Standard Roller Chains

Duplex Roller Chains & Bush Chains

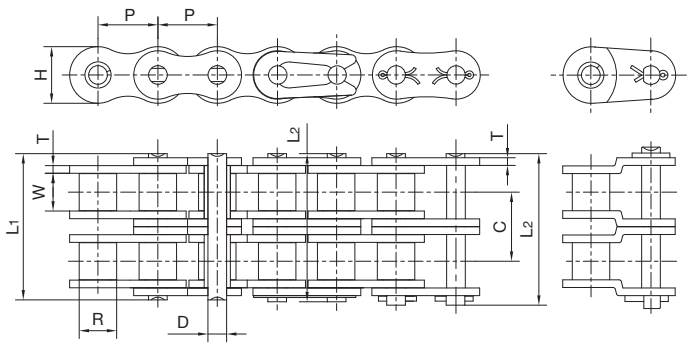
Order No. Example

KANA 40-2R 240 Links

Chain No.

10ft

Unit



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Transverse Pitch C mm	Average Tensile Strength kN	Approx. Weight kg/m
*25-2	6.35	3.30	3.18	2.31	14.5	15.0	6.00	0.8	6.40	10.0	0.28
*35-2	9.525	5.08	4.77	3.58	22.5	23.3	9.00	1.3	10.13	22.3	0.63
40-2	12.70	7.95	7.85	3.96	31.0	32.2	12.00	1.5	14.38	37.2	1.12
50-2	15.875	10.16	9.40	5.08	38.9	40.4	15.09	2.0	18.11	62.6	2.00
60-2	19.05	11.91	12.57	5.94	48.8	50.5	18.00	2.4	22.78	86.4	2.92
80-2	25.40	15.88	15.75	7.92	62.7	64.3	24.00	3.2	29.29	148.6	5.15
100-2	31.75	19.05	18.90	9.53	76.4	80.5	30.00	4.0	35.76	215.2	7.80
120-2	38.10	22.23	25.22	11.10	95.8	99.7	35.70	4.8	45.44	326.2	11.70
140-2	44.45	25.40	25.22	12.70	103.3	107.9	41.00	5.6	48.87	445.0	15.14
160-2	50.80	28.58	31.55	14.27	123.3	128.1	47.80	6.4	58.55	533.8	20.14
180-2	57.15	35.71	35.48	17.46	138.6	144.4	53.60	7.2	65.84	722.2	29.22
200-2	63.50	39.68	37.85	19.85	151.9	158.8	60.00	8.0	71.55	933.6	32.24

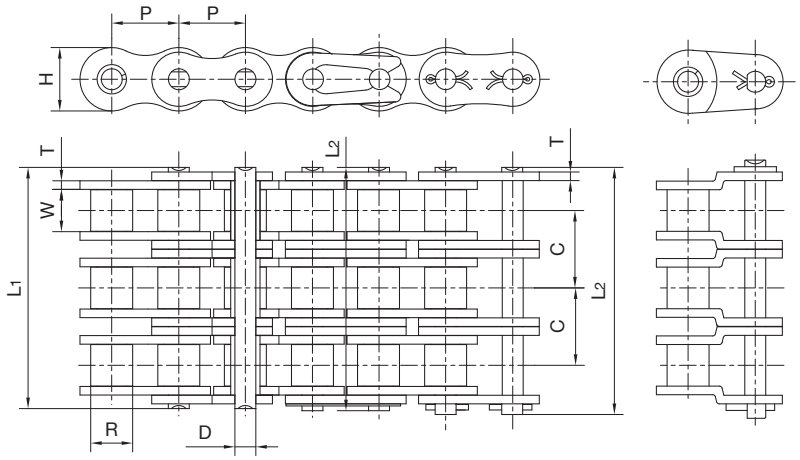
*Bush chain: R in the table indicates the external diameter of the bush

KANA Standard Roller Chains

Triplex Roller Chains

Order No. Example

KANA 40-3R 240 Links
Chain No.
10ft
Unit



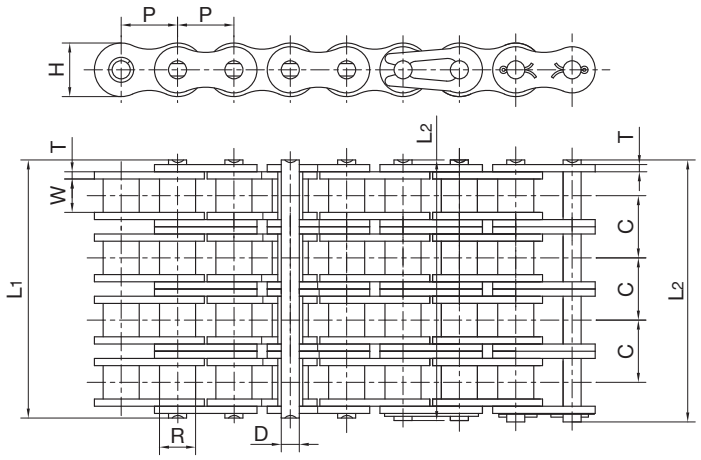
Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Transverse Pitch C mm	Average Tensile Strength kN	Approx. Weight kg/m
40-3	12.70	7.95	7.85	3.96	45.4	46.6	12.00	1.5	14.38	55.8	1.90
50-3	15.875	10.16	9.40	5.08	57.0	58.5	15.09	2.0	18.11	93.9	3.09
60-3	19.05	11.91	12.57	5.94	71.5	73.3	18.00	2.4	22.78	129.6	4.54
80-3	25.40	15.88	15.75	7.92	91.7	93.6	24.00	3.2	29.29	222.9	7.89
100-3	31.75	19.05	18.90	9.53	112.2	116.3	30.00	4.0	35.76	322.8	11.77
120-3	38.10	22.23	25.22	11.10	141.4	145.2	35.70	4.8	45.44	489.3	17.53
140-3	44.45	25.40	25.22	12.70	152.2	156.8	41.00	5.6	48.87	667.5	22.20
160-3	50.80	28.58	31.55	14.27	181.8	186.6	47.80	6.4	58.55	800.7	30.02

KANA Standard Roller Chains

Multiple Strand Roller Chains

Order No. Example

KANA 40-4R 240 Links
Chain No.
10ft
Unit



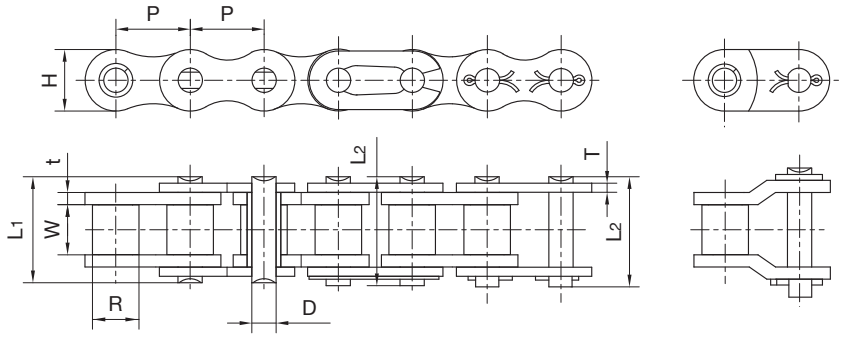
Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Transverse Pitch C mm	Average Tensile Strength kN	Approx. Weight kg/m
40-4	12.70	7.95	7.85	3.96	59.8	61.0	12.00	1.5	14.38	62.04	2.57
50-4	15.875	10.16	9.40	5.08	75.1	76.6	15.09	2.0	18.11	97.68	4.30
60-4	19.05	11.91	12.57	5.94	94.4	96.1	18.00	2.4	22.78	139.92	6.21
80-4	25.40	15.88	15.75	7.92	121.0	124.4	24.00	3.2	29.29	249.48	10.37
100-4	31.75	19.05	18.90	9.53	147.8	152.1	30.00	4.0	35.76	389.40	15.60
120-4	38.10	22.23	25.22	11.10	187.0	190.8	35.70	4.8	45.44	558.80	23.56

KANA Standard Roller Chains

Simplex Roller Chains

Order No. Example

KANA 08B-1R 240 Links
Chain No.
10ft
Unit



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness t/T mm	Average Tensile Strength kN	Approx. Weight kg/m
04-1	6.00	4.00	2.80	1.85	6.80	7.8	5.00	0.60	3.2	0.11
05B-1	8.00	5.00	3.00	2.31	8.20	8.9	7.10	0.80	5.9	0.20
*06B-1	9.525	6.35	5.72	3.28	13.15	14.1	8.20	1.30	10.4	0.41
08B-1	12.70	8.51	7.75	4.45	16.70	18.2	11.80	1.60	19.4	0.69
10B-1	15.875	10.16	9.65	5.08	19.05	20.9	14.70	1.70	27.5	0.93
12B-1	19.05	12.07	11.68	5.72	22.50	24.2	16.00	1.85	32.2	1.15
16B-1	25.40	15.88	17.02	8.28	36.10	37.4	21.00	4.15/3.10	77.1	2.71
20B-1	31.75	19.05	19.56	10.19	41.30	45.0	26.40	4.50/3.50	112.8	3.70
24B-1	38.10	25.40	25.40	14.63	53.40	57.8	33.20	6.00/4.80	178.0	7.10
28B-1	44.45	27.94	30.99	15.90	65.10	69.5	36.70	7.50/6.00	236.4	8.50
32B-1	50.80	29.21	30.99	17.81	66.00	71.0	42.00	7.00/6.00	277.5	10.25

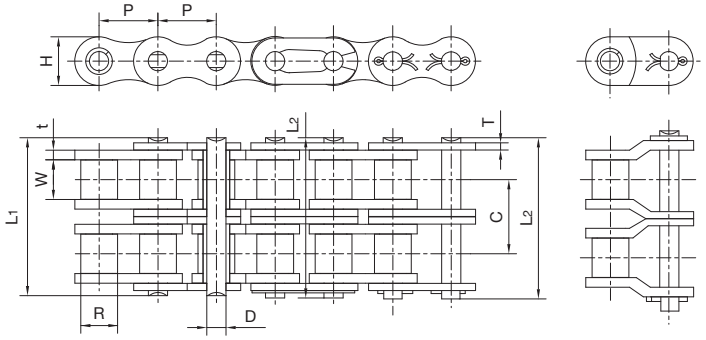
*Straight side plates

KANA Standard Roller Chains

Duplex Roller Chains

Order No. Example

KANA 08B-2R 240 Links
Chain No.
10ft
Unit



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness t/T mm	Transverse Pitch C mm	Average Tensile Strength kN	Approx. Weight kg/m
05B-2	8.00	5.00	3.00	2.31	13.9	14.5	7.10	0.80	5.64	10.2	0.33
*06B-2	9.525	6.35	5.72	3.28	23.4	24.4	8.20	1.30	10.24	18.7	0.77
08B-2	12.70	8.51	7.75	4.45	31.0	32.2	11.80	1.60	13.92	38.7	1.34
10B-2	15.875	10.16	9.65	5.08	36.1	37.5	14.70	1.70	16.59	56.2	1.84
12B-2	19.05	12.07	11.68	5.72	42.0	43.6	16.00	1.85	19.46	66.1	2.31
16B-2	25.40	15.88	17.02	8.28	68.0	69.3	21.00	4.15/3.10	31.88	152.1	5.42
20B-2	31.75	19.05	19.56	10.19	77.8	81.5	26.40	4.50/3.50	36.45	229.0	7.20
24B-2	38.10	25.40	25.40	14.63	101.7	106.2	33.20	6.00/4.80	48.36	319.2	13.40
28B-2	44.45	27.94	30.99	15.90	124.6	129.1	36.70	7.50/6.00	59.56	406.8	16.60
32B-2	50.80	29.21	30.99	17.81	124.6	129.6	42.00	7.00/6.00	58.55	508.5	21.00

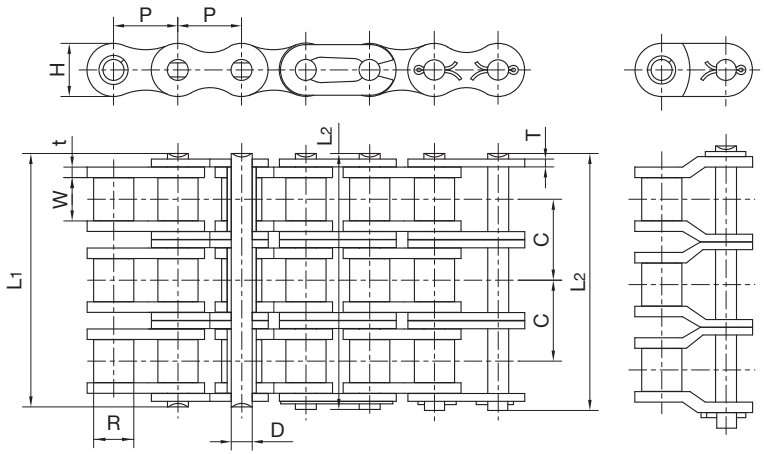
*Straight side plates

KANA Standard Roller Chains

Triplex Roller Chains

Order No. Example

KANA 08B-3R 240 Links
Chain No.
10ft
Unit



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness t/T mm	Transverse Pitch C mm	Average Tensile Strength kN	Approx. Weight kg/m
*06B-3	9.525	6.35	5.72	3.28	33.5	34.6	8.20	1.30	10.24	30.1	1.16
08B-3	12.70	8.51	7.75	4.45	45.1	46.1	11.80	1.60	13.92	57.8	2.03
10B-3	15.875	10.16	9.65	5.08	52.7	54.1	14.70	1.70	16.59	84.5	2.77
12B-3	19.05	12.07	11.68	5.72	61.5	63.1	16.00	1.85	19.46	101.8	3.46
16B-3	25.40	15.88	17.02	8.28	99.8	101.2	21.00	4.15/3.10	31.88	227.1	8.13
20B-3	31.75	19.05	19.56	10.19	114.2	117.9	26.40	4.50/3.50	36.45	334.3	10.82
24B-3	38.10	25.40	25.40	14.63	150.1	154.6	33.20	6.00/4.80	48.36	493.0	20.10
28B-3	44.45	27.94	30.99	15.90	184.2	188.7	36.70	7.50/6.00	59.56	609.5	24.92
32B-3	50.80	29.21	30.99	17.81	183.2	188.2	42.00	7.00/6.00	58.55	770.5	31.56

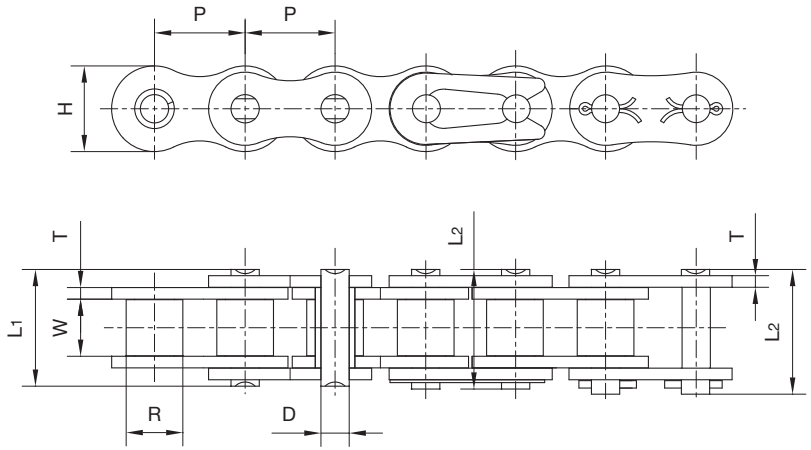
*Straight side plates

KANA Heavy Duty Series Roller Chains

Simplex Roller Chains & Bush Chains

Order No. Example

KANA 40H-1R 240 Links
Chain No.
10ft
Unit



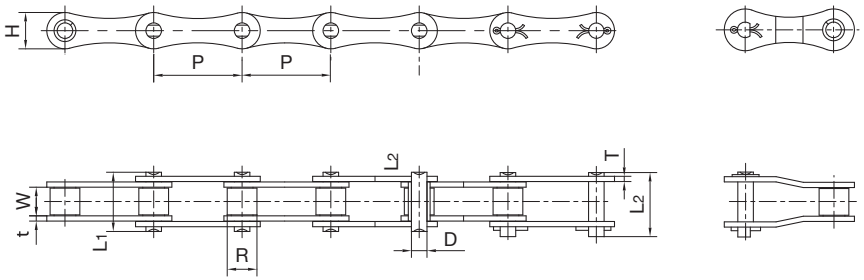
Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Average Tensile Strength kN	Approx. Weight kg/m
*25H-1	6.350	3.30	3.18	2.31	8.90	-	6.00	1.0	5.5	0.17
40H-1	12.70	7.95	7.85	3.96	18.8	19.9	12.00	2.0	19.1	0.82
50H-1	15.875	10.16	9.40	5.08	22.1	23.4	15.09	2.4	30.2	1.25
60H-1	19.05	11.91	12.57	5.94	29.2	31.0	18.00	3.2	42.7	1.87
80H-1	25.40	15.88	15.75	7.92	36.2	37.7	24.00	4.0	71.4	3.10
100H-1	31.75	19.05	18.90	9.53	43.6	46.9	30.00	4.8	112.4	4.52
120H-1	38.10	22.23	25.22	11.10	53.5	57.5	35.70	5.6	160.9	6.60
140H-1	44.45	25.40	25.22	12.70	57.6	62.2	41.00	6.4	217.3	8.30

*Bush chain: R in the table indicates the external diameter of the bush

KANA Double Pitch Transmission Chains

Order No. Example

KANA A2040 120 Links
Chain No.
10ft
Unit

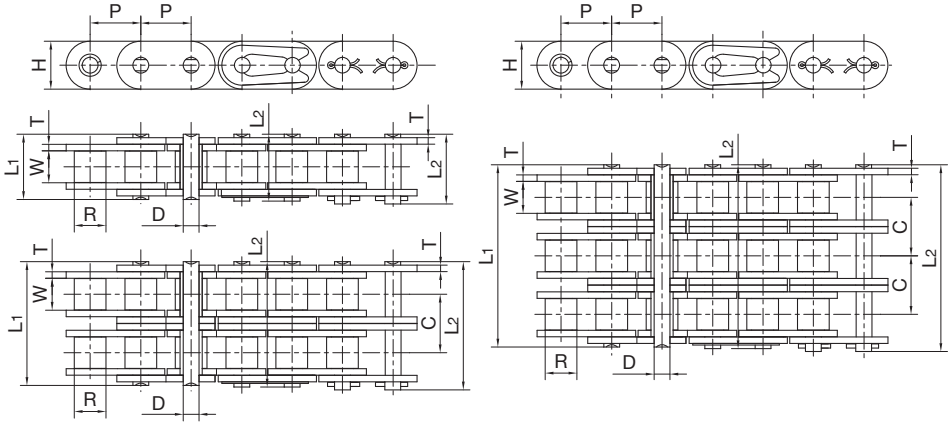


Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness t/T mm	Average Tensile Strength kN	Approx. Weight kg/m
A2040	25.40	7.95	7.85	3.96	16.6	17.8	12.00	1.5	16.7	0.42
A2050	31.75	10.16	9.40	5.08	20.7	22.2	15.00	2.0	28.1	0.73
A2060	38.10	11.91	12.57	5.94	25.9	27.7	18.00	2.4	36.8	1.02
A2080	50.80	15.88	15.75	7.92	32.7	36.5	24.00	3.2	65.7	1.70

KANA Roller Chains with Straight Side Plates

Order No. Example

KANA C40-1R 240 Links
Chain No.
10ft
Unit



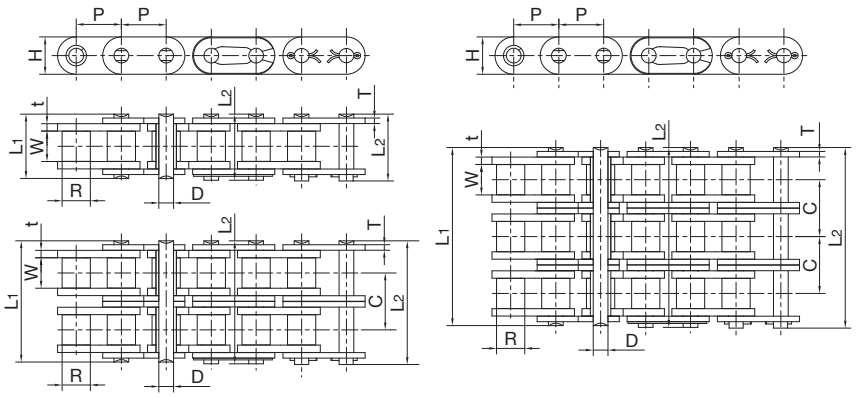
Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Transverse Pitch C mm	Average Tensile Strength kN	Approx. Weight kg/m
C40-1	12.70	7.95	7.85	3.96	16.6	18.8	12.00	1.5	-	17.5	0.73
C50-1	15.875	10.16	9.40	5.08	20.7	23.3	15.09	2.0	-	29.4	1.23
C60-1	19.05	11.91	12.57	5.94	25.9	28.3	18.00/18.20	2.4	-	41.5	1.81/1.83
C80-1	25.40	15.88	15.75	7.92	32.7	36.5	24.00	3.2	-	69.4	3.09
C100-1	31.75	19.05	18.90	9.53	40.4	44.7	30.00	4.0	-	109.2	4.56
C120-1	38.10	22.23	25.22	11.10	50.3	54.3	35.70	4.8	-	156.3	6.86
C40-2	12.70	7.95	7.85	3.96	31.0	33.2	12.00	1.5	14.38	35.9	1.43
C50-2	15.875	10.16	9.40	5.08	38.9	41.4	15.09	2.0	18.11	58.1	2.42
C60-2	19.05	11.91	12.57	5.94	48.8	51.1	18.00/18.20	2.4	22.78	82.1	3.58/3.62
C80-2	25.40	15.88	15.75	7.92	62.7	65.8	24.00	3.2	29.29	141.8	6.12
C100-2	31.75	19.05	18.90	9.53	76.4	80.5	30.00	4.0	35.76	219.4	9.08
C120-2	38.10	22.23	25.22	11.10	95.8	99.7	35.70	4.8	45.44	314.9	13.60

KANA Roller Chains with Straight Side Plates

Order No. Example

KANA C08B-1R 240 Links 10ft

- KANA: Chain No.
- C08B-1R: Chain No.
- 240 Links 10ft: Unit



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness t/T mm	Transverse Pitch C mm	Average Tensile Strength kN	Approx. Weight kg/m
C08B-1	12.70	8.51	7.75	4.45	16.7	18.2	11.8	1.60	-	19.5	0.80
C10B-1	15.875	10.16	9.65	5.08	19.5	20.9	14.7	1.70	-	27.9	1.06
C12B-1	19.05	12.70	11.68	5.72	22.5	25.2	16.0	1.85	-	32.2	1.32
C16B-1	25.40	15.88	17.02	8.28	36.1	39.1	21.0/24.0	4.15/3.10	-	72.8	3.08/3.49
C20B-1	31.75	19.05	19.56	10.19	41.3	45.0	26.4	4.50/3.50	-	106.7	4.16
C24B-1	38.10	25.40	25.40	14.63	53.4	57.8	33.2	6.00/4.80	-	178.0	7.47
C08B-2	12.70	8.51	7.75	4.45	31.2	32.2	11.8	1.60	13.92	38.7	1.45
C10B-2	15.875	10.16	9.65	5.08	36.1	37.5	14.7	1.70	16.59	57.8	2.00
C12B-2	19.05	12.07	11.68	5.72	42.0	44.7	16.0	1.85	19.46	66.1	2.62
C16B-2	25.40	15.88	17.02	8.28	68.0	71.0	21.0/24.0	4.15/3.10	31.88	133.0	6.10/6.92
C20B-2	31.75	19.05	19.56	10.19	77.8	81.5	26.4	4.50/3.50	36.45	211.2	8.23
C24B-2	38.10	25.40	25.40	14.63	101.7	106.2	33.2	6.00/4.80	48.36	319.2	14.77

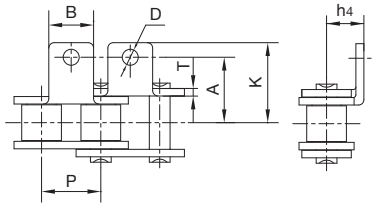
KANA Roller Chains with Attachments

Order No. Example

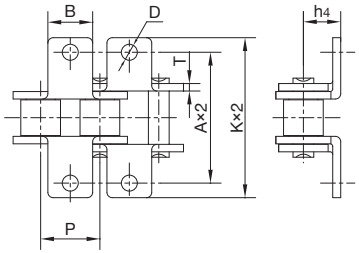
KANA 40 - ALL A1 240 Links 10ft

- KANA 40: Chain No.
- ALL: Configuration
- A1: Type
- 240 Links 10ft: Unit

A1



K1



Chain No.	P mm	B mm	A mm	K mm	T mm	h4 mm	D mm
25	6.35	5.6	13.80	23.2	0.8	4.30	3.4
35	9.525	7.9	19.00	28.6	1.3	6.35	3.4
40	12.70	9.5	25.40	35.2	1.5	7.90	3.4
41	12.70	9.5	24.00	33.4	1.3	6.90	3.6
50	15.875	12.7	31.75	46.2	2.0	10.30	5.5
60	19.05	15.9	38.10	55.6	2.4	11.90	5.5
80	25.40	19.1	50.80	64.8	3.2	15.90	6.8
100	31.75	25.4	63.50	89.8	4.0	19.80	9.2
120	38.10	28.6	76.20	108.5	4.8	23.00	9.8
*06B	9.525	8.0	19.40	27.0	1.3	6.50	3.5
08B	12.70	9.5	25.40	36.4	1.6	8.90	4.5
10B	15.875	14.3	31.75	44.6	1.7	10.31	5.3
12B	19.05	16.0	38.10	52.4	1.8	13.46	6.4
16B	25.40	19.1	50.80	72.6	3.1	15.88	6.4
20B	31.75	35.0	63.50	100.5	3.5	19.80	9.0
24B	38.10	30.0	76.20	108.4	4.8	26.67	10.5

*Straight side plates

KANA Roller Chains with Attachments

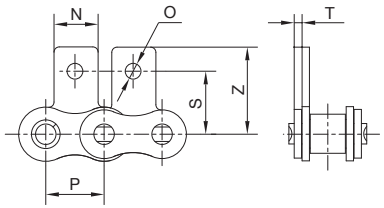
Order No. Example

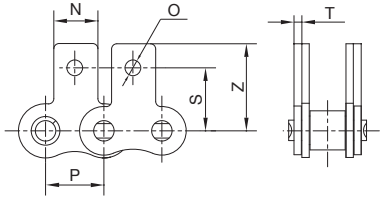
KANA 40 - ALL SA1 240 Links 10ft

- KANA 40: Chain No.
- ALL: Configuration
- SA1: Type
- 240 Links 10ft: Unit

SA1/(one side)

SK1/(both sides)





Chain No.	P mm	N mm	S mm	Z mm	T mm	O mm
25	6.35	5.6	7.95	11.70	0.8	3.4
35	9.525	7.9	9.50	14.55	1.3	3.4
40	12.70	9.5	12.70	19.05	1.5	3.4
41	12.70	9.5	11.85	16.55	1.3	3.6
50	15.875	12.7	15.90	25.25	2.0	5.5
60	19.05	15.9	18.30	29.33	2.4	5.5
80	25.40	19.1	24.60	34.70	3.2	6.8
100	31.75	25.4	31.80	43.30	4.0	9.2
120	38.10	28.6	36.50	51.60	4.8	9.8
*06B	9.525	8.0	9.52	13.50	1.3	3.5
08B	12.70	9.5	13.35	18.90	1.6	4.3
10B	15.875	14.3	16.50	22.95	1.7	5.3
12B	19.05	16.0	21.45	28.60	1.8	6.4
16B	25.40	19.1	23.15	34.00	3.1	6.4
20B	31.75	35.0	30.50	45.70	3.5	9.0
24B	38.10	36.0	36.00	61.50	4.8	10.5

*Straight side plates

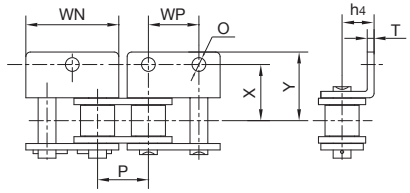
KANA Roller Chains with Attachments

Order No. Example

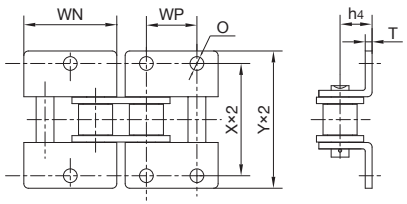
KANA 40 - 2L WA1 240 Links 10ft

- KANA 40: Chain No.
- 2L: Configuration
- WA1: Type
- 240 Links 10ft: Unit

WA1 WA2



WK1 WK2



Chain No.	P mm	WN mm	WP mm	X mm	Y mm	T mm	h4 mm	O mm
25	6.35	11.41	6.35	13.80	23.2	0.8	4.30	3.40
35	9.525	17.32	9.525	19.00	28.6	1.3	6.35	2.80
40	12.70	23.00	12.70	25.40	35.6	1.5	7.90	3.40
41	12.70	22.30	12.70	24.00	35.0	1.3	7.20	4.85
50	15.875	28.80	15.875	31.75	46.8	2.0	10.30	5.50
60	19.05	34.65	19.05	38.10	56.4	2.4	11.90	5.50
80	25.40	45.90	25.40	50.80	73.2	3.2	15.90	6.80
100	31.75	57.65	31.75	63.50	89.8	4.0	19.80	9.20
120	38.10	69.30	38.10	76.20	108.8	4.8	23.00	9.80
*06B	9.525	17.72	9.525	19.40	27.0	1.3	6.50	3.50
08B	12.70	24.00	12.70	25.40	36.4	1.6	8.90	4.30
10B	15.875	29.58	15.875	31.80	44.6	1.7	10.31	5.30
12B	19.05	34.05	19.05	38.10	52.4	1.8	13.46	6.40
16B	25.40	46.40	25.40	50.80	72.6	3.1	15.88	6.40
20B	31.75	58.10	31.75	63.50	100.5	3.5	19.80	9.00
24B	38.10	71.30	38.10	76.20	108.4	4.8	26.67	10.50

*Straight side plates

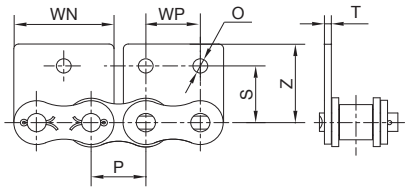
KANA Roller Chains with Attachments

Order No. Example

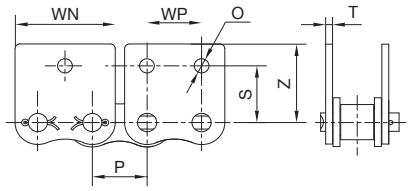
KANA 40 - 2L WSA1 240 Links 10ft

- KANA 40: Chain No.
- 2L: Configuration
- WSA1: Type
- 240 Links 10ft: Unit

WSA1 WSA2



WSK1 WSK2



Chain No.	P mm	WN mm	WP mm	S mm	Z mm	T mm	O mm
25	6.35	11.41	6.35	7.95	11.70	0.8	3.4
35	9.525	17.32	9.525	9.50	14.55	1.3	2.8
40	12.70	23.00	12.70	12.70	17.40	1.5	3.4
41	12.70	21.20	12.70	11.85	16.55	1.3	3.6
50	15.875	28.80	15.875	15.90	23.05	2.0	5.5
60	19.05	34.65	19.05	18.30	26.86	2.4	5.5
80	25.40	45.90	25.40	24.60	35.45	3.2	6.8
100	31.75	57.65	31.75	31.80	44.00	4.0	9.2
120	38.10	69.30	38.10	36.50	51.60	4.8	9.8
*06B	9.525	17.72	9.525	9.52	13.50	1.3	3.5
08B	12.70	23.30	12.70	13.35	18.90	1.6	4.3
10B	15.875	29.58	15.875	16.50	22.95	1.7	5.3
12B	19.05	34.05	19.05	21.45	28.60	1.8	6.4
16B	25.40	46.40	25.40	23.15	34.00	3.1	6.4
20B	31.75	58.10	31.75	30.50	45.70	3.5	9.0
24B	38.10	71.30	38.10	42.70	61.50	4.8	10.5

*Straight side plates

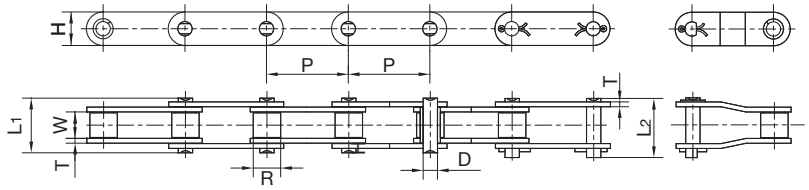
KANA Double Pitch Conveyor Chains

Order No. Example

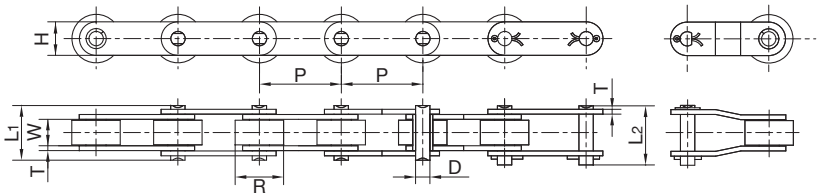
KANA C2040 120 Links 10ft

- KANA C2040: Chain No.
- 120 Links 10ft: Unit

Small Roller Type



Large Roller Type



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Average Tensile Strength kN	Approx. Weight kg/m
C2040	25.40	7.95	7.85	3.96	16.6	17.8	12.0	1.5	16.7	0.50
C2042		15.88								0.84
C2050	31.75	10.16	9.40	5.08	20.7	22.2	15.0	2.0	28.1	0.78
C2052		19.05								1.27
C2060H	38.10	11.91	12.57	5.94	29.2	31.6	18.0	3.2	41.6	1.44
C2062H		22.23								2.07
C2080H	50.80	15.88	15.75	7.92	36.2	39.4	24.0	4.0	70.0	2.54
C2082H		28.58								3.58
C2100H	63.50	19.05	18.90	9.53	43.6	46.9	30.0	4.8	112.4	3.56
C2102H		39.67								5.38
C2120H	76.20	22.23	25.22	11.10	53.5	57.5	35.7	5.6	160.9	5.26

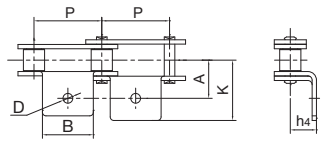
KANA Double Pitch Conveyor Chains with Attachments

Order No. Example

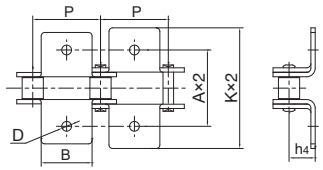
KANA C2040 - ALL A1 120 Links 10ft

- KANA C2040 — Chain No.
- ALL — Configuration
- A1 — Type
- 120 Links 10ft — Unit

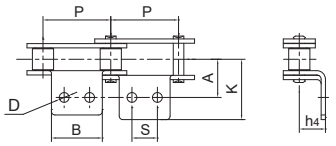
A1



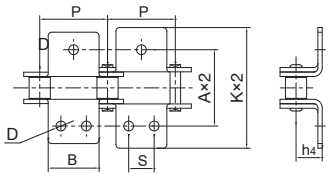
K1



A2



K2



Chain No.	P mm	B mm	S mm	A mm	K mm	h_4 mm	D mm
C2040	25.40	19.1	9.5	25.4	39.6	9.1	3.4
C2042							
C2050	31.75	23.8	11.9	31.8	49.0	11.1	5.5
C2052							
C2060H	38.10	28.6	14.3	42.9	67.8	14.7	5.5
C2062H							
C2080H	50.80	38.1	19.1	55.6	87.8	19.1	6.8
C2082H							

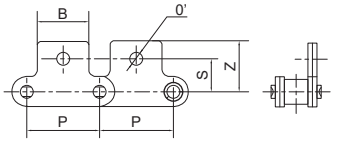
KANA Double Pitch Conveyor Chains with Attachments

Order No. Example

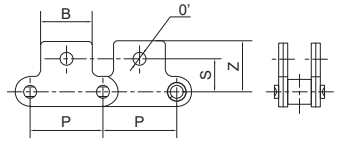
KANA C2040 - ALL SA1 120 Links 10ft

- KANA C2040 — Chain No.
- ALL — Configuration
- SA1 — Type
- 120 Links 10ft — Unit

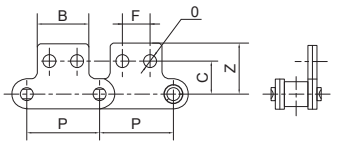
SA1



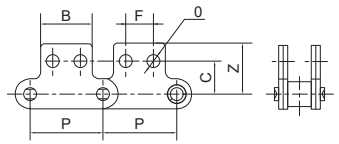
SK1



SA2



SK2



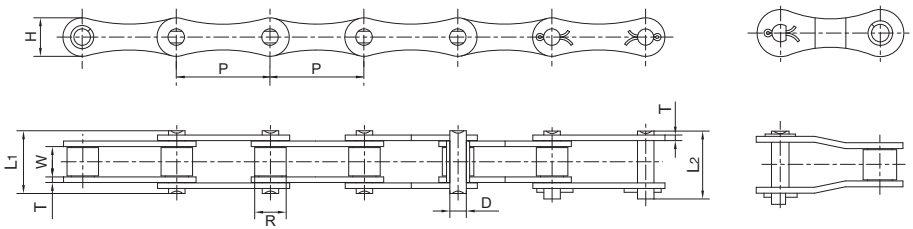
Chain No.	P mm	B mm	F mm	S mm	C mm	Z mm	O mm	O' mm
C2040	25.40	19.10	9.50	11.1	13.50	20.5	3.4	5.50
C2042								
C2050	31.75	23.80	11.90	14.3	15.90	25.0	5.5	6.60
C2052								
C2060H	38.10	28.60	14.30	17.5	19.10	32.9	5.5	9.20
C2062H								
C2080H	50.80	38.10	19.10	22.2	25.40	43.5	6.6	11.00
C2082H								

KANA S type Steel Agricultural Chains

Order No. Example

KANA S52 80 Links
10ft

Chain No. / Unit



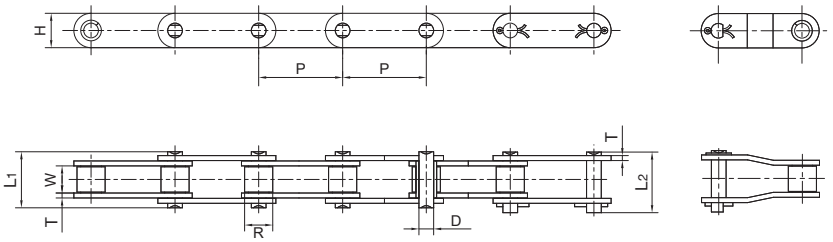
Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Average Tensile Strength kN	Approx. Weight kg/m
S32	29.21	11.43	15.88	4.45	26.7	28.8	13.2	1.8	21.6	0.86
S42	34.93	14.27	19.05	7.00	34.3	37.0	19.08	2.8	50.8	1.60
S45	41.40	15.24	22.23	5.72	37.7	40.4	17.3	2.8	36.1	1.66
S52	38.10	15.24	22.23	5.72	37.7	40.4	17.3	2.8	36.1	1.68
S55	41.40	17.78	22.23	5.72	37.7	40.4	17.3	2.8	36.1	1.80
S62	41.91	19.05	26.20	5.72	40.3	43.0	17.3	2.5	36.1	1.87

KANA CA type Steel Agricultural Chains

Order No. Example

KANA CA620 72 Links
10ft

Chain No. / Unit



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Average Tensile Strength kN	Approx. Weight kg/m
CA550	41.4	16.87	19.81	7.19	35.0	38.0	19.3	2.80	51.2	1.94
CA557	41.4	17.78	20.24	8.00	37.4	40.6	23.1	3.10	74.3	2.60
CA620	42.01	17.91	24.51	7.19	41.8	45.2	20.2	3.25	55.1	2.35

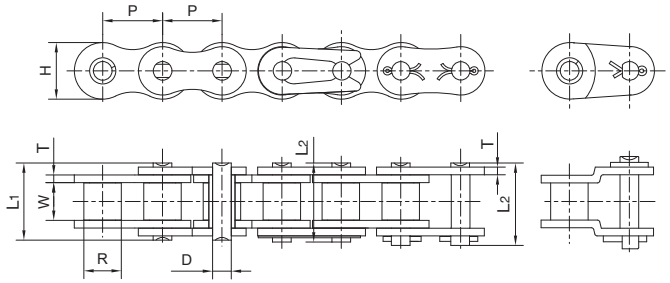
KANA Stainless Steel Roller Chains

Order No. Example

KANA 40SS-1 **240 Links**
10ft

Chain No.

Unit



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Approx. Weight kg/m
*25SS-1	6.35	3.30	3.18	2.31	7.90	8.40	6.00	0.8	0.15
*35SS-1	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.3	0.33
40SS-1	12.70	7.95	7.85	3.96	16.60	17.80	12.00	1.5	0.63
50SS-1	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.0	1.03
60SS-1	19.05	11.91	12.57	5.94	25.90	27.70	18.00	2.4	1.51
80SS-1	25.40	15.88	15.75	7.92	32.70	35.00	24.00	3.2	2.62
100SS-1	31.75	19.05	18.90	9.53	40.40	44.70	30.00	4.0	3.94
05BSS-1	8.00	5.00	3.00	2.31	8.20	8.90	7.10	0.8	0.20
#06BSS-1	9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.3	0.41
08BSS-1	12.70	8.51	7.75	4.45	16.70	18.20	11.80	1.6	0.70
10BSS-1	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.7	0.94
12BSS-1	19.05	12.70	11.68	5.72	22.50	24.20	16.00	1.8	1.16
16BSS-1	25.40	15.88	17.02	8.28	36.10	37.40	21.00	4.1/3.1	2.73
20BSS-1	31.75	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	3.73

*Bush chain: R in the table indicates the external diameter of the bush
#Straight side plates

KANA Stainless Steel Double Pitch Roller Chains

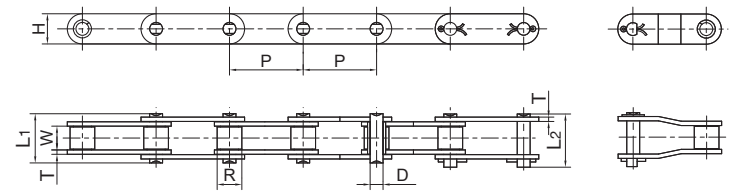
Order No. Example

KANA C2040SS **120 Links**
10ft

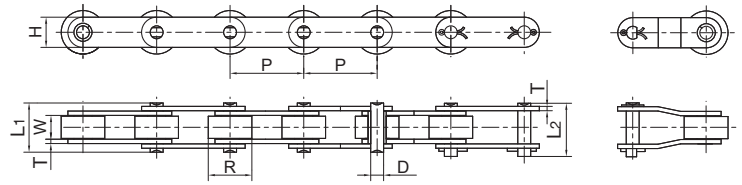
Chain No.

Unit

Small roller type



Large roller type



Chain No.	Pitch P mm	Roller Outer Diameter R mm	Inner Link Inner Width W mm	Pin Diameter D mm	Pin Length L1 mm	Pin Length L2 mm	Link Plate Width H mm	Link Plate Thickness T mm	Approx. Weight kg/m
C2040SS	25.40	7.95	7.85	3.96	16.6	17.8	12.0	1.5	0.51
C2042SS		15.88							0.85
C2050SS	31.75	10.16	9.40	5.08	20.7	22.2	15.0	2.0	0.79
C2052SS		19.05							1.29
C2060HSS	38.10	11.91	12.57	5.94	29.2	31.6	18.0	3.2	1.46
C2062HSS		22.23							2.10
C2080HSS	50.80	15.88	15.75	7.92	36.2	39.4	24.0	4.0	2.57
C2082HSS		28.58							3.63

Roller Chain Lubrication

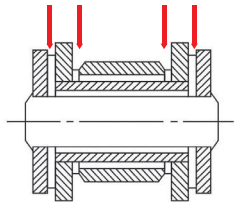
1. Lubrication

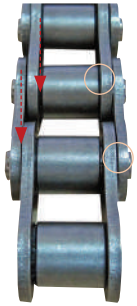
Proper roller chain lubrication greatly affects the usable life.
Appropriate lubrication is absolutely essential to prevent sprocket wear, damage to rollers and bushing, noise and heat generation.

Lubrication Goal	Lubrication Effect
Reduced wear and scorching between the pin and bushing.	Longer life expectations. Chain retains higher accuracy. Higher speed operation possible.
Reduces impact when meshing with sprockets.	Reduces noise. Roller and bushing fatigue life becomes extended.
Reduces chain heat generation.	Durability life of the chain at high speeds is extended.
Reduces sprocket wear.	Lengthens sprocket life.
Achieves rust/dust-preventing effects.	Foreign particles are removed for lengthened chain life. Performance degradation due to rust is avoided.

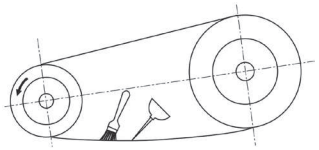
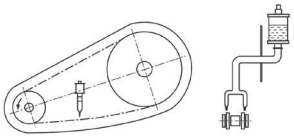
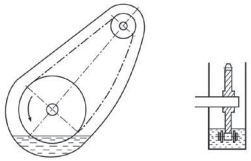
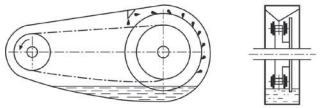
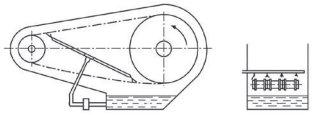
2. Lubrication Location

Lubrication location - Elongation of the roller chain causes wear between the pin and bushing. Lubricating as per the diagram will cause the lubricant to form a grease film that minimizes metal on metal contact, extending the life of the chain.





◇ Lubrication Method

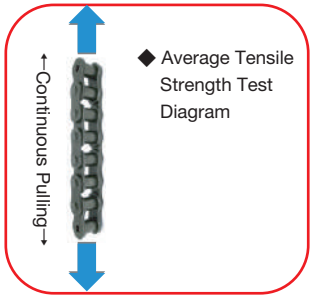
Name and Dimensions	Lubrication Interval and Amount	Precautions
Manual Feed Method 	As a rule, apply lubricant at least once a day, with an oil spout or brush.	● Lubricate the entire length 3-4 times without unevenness while slowly turning the chain ● Avoid getting hands and clothing caught while reapplying lubricant ● Excess lubricant may splatter during startup after reapplication
Drop Lubrication 	Lubricate with approximately 5 to 20 drops over a 1 minute period.	● (Recommended) Lubricant may splatter, so establish a simple casing
Oil Tank Lubrication 	The depth to which the chain is immersed in oil should be about 10 mm from the oil surface.	Clean the interior of the case at the beginning of use and completely remove foreign substances such as dust.
Rotation Plate Lubrication 	If using the rotation plate method of lubrication, the depth of the rotating plate to be immersed in the oil is about 20 mm and the circumferential speed should be 200 m/min or more.	
Forced Circulation Pump Lubrication  Oil Pump	The amount of lubrication must be set appropriately so as not to cause abnormal heat generation.	Clean the interior of the case at the beginning of use and completely remove foreign substances such as dust.

Roller Chain Introduction

What is Average Tensile Strength?

◎ A "grasping device" is installed on both ends if internal end links are used, or for chains with more than 5 links, to avoid generation of stress such as twisting and bending, allowing the chain to be pulled gradually until it breaks.

The maximum load when the chain breaks is measured and the test results averaged out to give the average tensile strength.



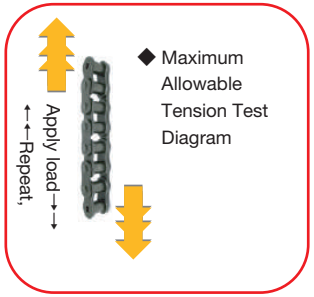
◆ Average Tensile Strength Test Diagram

What is Maximum Allowable Tension?

◎ A calculation of the allowable limiting value of the maximum load that can be repeatedly applied to the chain without causing breakage of the chain.

◎ Below this limit the chain should not break even if load is repeatedly applied.

∗Different machines are used for testing as the test conditions differ.



◆ Maximum Allowable Tension Test Diagram

What should be done for use in places where lubrication is hard to implement or should be avoided?

Material	Features
Iron	Refer to P.48 The "NL" type does not require lubrication. ◆ NL type: Has a special oil-impregnated bushing + roller for smooth meshing with the sprockets. No. 60 Chain Comparison - NL Type Maximum Allowable Tension - 8.83kN (900kgf)
Stainless Steel	Refer to P.51 Ultra-Chains (Oilless Type) NL-Stainless Steel Type Uses an oil-impregnated bushing made of stainless steel (SUS). Uses a NSF-H1 registered lubricant (∗) allowing it to be used with confidence in food machinery. This product has corrosion resistance equivalent to SUS chains and enables oilless use. ∗ Lubricant which can be used in areas where it may incidentally contact food

What should be done to reduce the number of times the chain needs replacing?

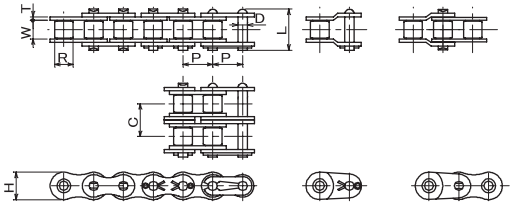
Material	Features
Stainless Steel	Refer to P.82 Heavy Duty Stainless Steel (AS) Chains have a maximum allowable tension 1.5 times greater than KCM Stainless Steel Chains. Adopts precipitation-hardened stainless steel for the component pins and rollers to increase maximum allowable tension.

KCM Standard Roller Chains

Order Product Code

KCM80- 2 RPT 120 Links 10ft

Model Number — Unit



2POL
* Only No.25

Standard roller chains complying with the JIS/ANSI standards. Both single-row and multiple-row (2-row, 3-row, 4-row) chains are always in stock, used in all industries for transmission and driving of various equipment.

Chain No.	Pin Type	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Width H	Pin Diameter D	Pin Length (JL Part) 1 row L	2 row L	3 row L	4 row L	Horizontal Pitch C	Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
KCM 06B	RP	9.525	6.35	5.72	1.3	8.1	3.28	13.6	-	-	-	-	-	-
KCM 25	RP	6.350	★3.30	3.18	0.75	5.8	2.31	8.6	-	-	-	-	4.4 (450)	0.64(65)
KCM 35	RP	9.525	★5.08	4.78	1.25	8.8	3.59	12.8	22.9	33.0	-	10.1	10.8 (1,100)	2.16(220)
KCM 410	RP	12.70	7.75	3.40	1.0	9.5	3.64	10.8	-	-	-	-	9.81(1,000)	-
KCM 415	RP	12.70	7.75	4.76	1.1	9.5	3.64	12.4	-	-	-	-	9.81(1,000)	2.16(220)
KCM 415S	RP	12.70	7.77	4.76	1.5	11.7	3.97	14.7	-	-	-	-	18.10(1,850)	3.73(380)
KCM 420	RP	12.70	7.77	6.35	1.5	12.0	3.97	16.15	-	-	-	-	18.10(1,850)	3.73(380)
KCM 40	RP	12.70	7.92	7.95	1.5	11.7	3.97	17.6	32.0	46.4	60.8	14.4	18.10(1,850)	3.63(370)
KCM 50	RP	15.875	10.16	9.53	2.0	14.6	5.09	21.8	39.9	58.0	76.1	18.1	29.90(3,050)	6.37(650)
KCM 60	RP	19.05	11.91	12.70	2.4	17.5	5.96	26.8	49.6	72.4	95.2	22.8	41.20(4,200)	8.83(900)
KCM 80	RP CP	25.40	15.88	15.88	3.2	23.0	7.94	35.3	64.6	93.9	123.2	29.3	72.60(7,400)	14.71(1,500)
KCM 100	RP CP	31.75	19.05	19.05	4.0	28.9	9.54	43.2	79.0	114.8	150.6	35.8	112.80(11,500)	22.56(2,300)
KCM 120	CP	38.10	22.23	25.40	4.8	35.0	11.11	53.8	99.2	144.6	-	45.4	156.90(16,000)	30.40(3,100)
KCM 140	CP	44.45	25.40	25.40	5.6	40.7	12.71	58.6	107.5	156.4	-	48.9	210.80(21,500)	40.21(4,100)
KCM 160	CP	50.80	28.58	31.75	6.4	46.7	14.29	69.6	128.1	186.6	-	58.5	269.7 (27,500)	52.96(5,400)
KCM 200	CP	63.50	39.68	38.10	8.0	58.4	19.85	86.3	157.9	229.5	-	71.6	470.7 (48,000)	71.59(7,300)

Chain No.	No. of Rows	Pin Type	Product	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 06B	1	RP	Roller Chains	06B-T	0.39	320L	3m	20
			Joint links	06B-JL				100
			Offset links	06B-OL				
KCM 25	1	RP	Roller Chains	25-T3	0.13	480L	3m	50
			Joint links	25-JL				100
			Offset links	25-OL				
KCM 35	1	RP	Roller Chains	35-T3	0.33	320L	3m	20
			Roller Chains	35-CS		8000L	76m	Reel Winding
			Joint links	35-JL				100
			Offset links	35-OL				
	2		Roller Chains	35-2T	0.64	320L	3m	10
			Joint links	35-2JL				100
			Offset links	35-2OL				
	3		Roller Chains	35-3T	0.95	320L	3m	5
			Joint links	35-3JL				50
			Offset links	35-3OL				
KCM 410	1	RP	Roller Chains	410-T	0.28	106L	1.35m	50
			Roller Chains	410-CS		12000L	152m	Reel Winding
			Joint links	410-JL				100
			Offset links	410-OL				
KCM 415	1	RP	Roller Chains	415-T	0.34	120L	1.5m	20
			Joint links	415-JL				100
			Offset links	415-OL				
KCM 415S	1	RP	Roller Chains	415S-T	0.51	120L	1.5m	10
			Joint links	415S-JL				100
			Offset links	415S-OL				
KCM 420	1	RP	Roller Chains	420-T	0.55	120L	1.5m	10
			Joint links	420-JL				100
			Offset links	420-OL				
KCM 40	1	RP	Roller Chains	40-T3	0.61	240L	3m	10
			Roller Chains	40-CS		2400L	30m	Reel Winding
			Joint links	40-JL				100
			Offset links	40-OL				
	2		Roller Chains	40-2T	1.19	240L	3m	5
			Joint links	40-2JL				50
			Offset links	40-2OL				
	3		Roller Chains	40-3T	1.79	240L	3m	3
			Joint links	40-3JL				25
			Offset links	40-3OL				
	4		Roller Chains	40-4T	2.38	240L	3m	3
			Joint links	40-4JL				20
			Offset links	40-4OL				
KCM 50	1	RP	Roller Chains	50-T3	1.01	192L	3m	5
			Roller Chains	50-CS		1920L	30m	Reel Winding
			Joint links	50-JL				50
			Offset links	50-OL				
	2		Roller Chains	50-2T	2.01	192L	3m	3
			Joint links	50-2JL				25
			Offset links	50-2OL				
	3		Roller Chains	50-3T	2.99	192L	3m	3
			Joint links	50-3JL				25
			Offset links	50-3OL				
	4		Roller Chains	50-4T	3.99	192L	3m	2
			Joint links	50-4JL				15
			Offset links	50-4OL				

KCM Standard Roller Chains

Chain No.	No. of Rows	Pin Type	Product	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 60	1	RP	Roller Chains	60-T	1.49	160L	3m	5
			Roller Chains	60-CS		1600L	30m	Reel Winding
			Joint links	60-JL				25
			Offset links	60-OL				
	2		Roller Chains	60-2T	2.95	160L	3m	3
			Joint links	60-2JL				15
			Offset links	60-2OL				
	3		Roller Chains	60-3T	4.41	160L	3m	2
			Joint links	60-3JL				10
			Offset links	60-3OL				
	4		Roller Chains	60-4T	5.83	160L	3m	1
			Joint links	60-4JL				10
			Offset links	60-4OL				
KCM 80	1	RP	Roller Chains	80-RPT	2.50	120L	3m	3
			Roller Chains	80-CS		600L	15m	Reel Winding
		CP	Roller Chains	80-CPT		120L	3m	3
			Joint links	80-JL				20
			Offset links	80-OL				
	2	RP	Roller Chains	80-2RPT	4.96	120L	3m	1
		CP	Roller Chains	80-2CPT				
			Joint links	80-2JL				10
			Offset links	80-2OL				
	3	CP	Roller Chains	80-3CPT	7.40	120L	3m	1
			Joint links	80-3JL				5
			Offset links	80-3OL				
	4	CP	Roller Chains	80-4CPT	9.84	120L	3m	1
			Joint links	80-4JL				5
			Offset links	80-4OL				
KCM 100	1	RP	Roller Chains	100-RPT	3.85	96L	3m	1
		CP	Roller Chains	100-CPT				
			Joint links	100-JL				10
			Offset links	100-OL				
	2	RP	Roller Chains	100-2RPT	7.62	96L	3m	1
		CP	Roller Chains	100-2CPT				
			Joint links	100-2JL				5
			Offset links	100-2OL				
	3	CP	Roller Chains	100-3CPT	11.38	96L	3m	1
			Joint links	100-3JL				3
			Offset links	100-3OL				
	4	CP	Roller Chains	100-4CPT	15.15	48L	1.5m	1
			Joint links	100-4JL				2
			Offset links	100-4OL				

Chain No.	No. of Rows	Pin Type	Product	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 120	1	CP	Roller Chains	120-CPT	5.66	80L	3m	1
			Joint links	120-JL				5
			Offset links	120-OL				
	2		Roller Chains	120-2CPT	11.21	80L	3m	1
			Joint links	120-2JL				2
			Offset links	120-2OL				
	3		Roller Chains	120-3CPT	16.74	40L	1.5m	1
			Joint links	120-3JL				1
			Offset links	120-3OL				
KCM 140	1	CP	Roller Chains	140-CPT	7.19	68L	3m	1
			Joint links	140-JL				4
			Offset links	140-OL				
	2		Roller Chains	140-2CPT	14.24	34L	1.5m	1
			Joint links	140-2JL				2
			Offset links	140-2OL				
	3		Roller Chains	140-3CPT	21.30	34L	1.5m	1
			Joint links	140-3JL				4
			Offset links	140-3OL				
KCM 160	1	CP	Roller Chains	160-CPT	9.63	60L	3m	1
			Joint links	160-JL				2
			Offset links	160-OL				
	2		Roller Chains	160-2CPT	19.06	30L	1.5m	1
			Joint links	160-2JL				1
			Offset links	160-2OL				
	3		Roller Chains	160-3CPT	28.50	30L	1.5m	1
			Joint links	160-3JL				3
			Offset links	160-3OL				
KCM 200	1	CP	Roller Chains	200-CPT	15.97	48L	3m	1
			Joint links	200-JL				1
			Offset links	200-OL				
	2		Roller Chains	200-2CPT	31.59	24L	1.5m	1
			Joint links	200-2JL				2
			Offset links	200-2OL				

Caution

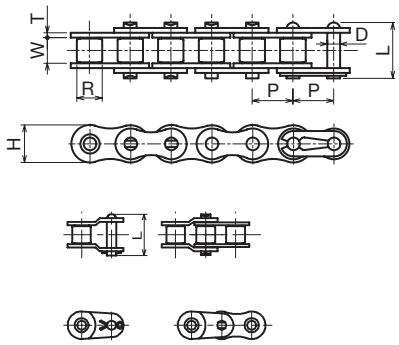
- ★ indicates the bushing diameter of bushed chains.
- The rupture strength of multiple row chains is calculated by multiplying that of a single row chain by the number of the rows. (The table above shows the rupture strength of single row chains.)
- Pin type: RP is a rivet type and CP is a cotter pin type.
- For 06B, the minimum rupture strength is 1,000kgf or less.
- The offset link of No. 25 is a 2-pitch type.

KCM Stainless Steel Chains

Order Product Code

KCM40 - SUS 240 Links 10ft

Chain No. | Material | Unit



All parts of Stainless Steel Chains are made of SUS304.
Can be used in a high or low temperature environment or places with acid or alkaline chemical corrosion, water, or steam.

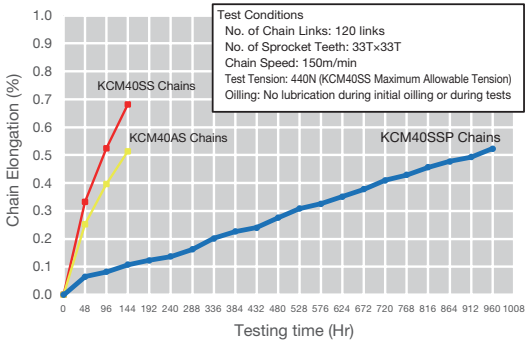
Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Maximum Allowable Tension kN (kgf)
KCM 25-SUS	6.35	★3.30	3.18	0.12(12)
KCM 35-SUS	9.525	★5.08	4.78	0.26(27)
KCM 40-SUS	12.70	7.92	7.95	0.44(45)
KCM 50-SUS	15.875	10.16	9.53	0.69(70)
KCM 60-SUS	19.05	11.91	12.70	1.03(105)
KCM 80-RPSUS	25.40	15.87	15.88	1.77(180)
KCM 100-RPSUS	31.75	19.05	19.05	2.55(260)

Chain No.	No. of Rows	Pin Type	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM25-SUS	1	RP	25-SUST	0.14	480L	3m	50
			25-SUSJL				100
			25-SUSOL				
KCM35-SUS	1	RP	35-SUST	0.33	320L	3m	20
			35-SUSJL				100
			35-SUSOL				
KCM40-SUS	1	RP	40-SUST	0.63	240L	3m	10
			40-SUSJL				100
			40-SUSOL				
KCM50-SUS	1	RP	50-SUST	1.04	192L	3m	5
			50-SUSJL				50
			50-SUSOL				
KCM60-SUS	1	RP	60-SUST	1.50	160L	3m	5
			60-SUSJL				25
			60-SUSOL				
KCM80-RPSUS	1	RP	80-RPSUST	2.62	120L	3m	3
			80-SUSJL				20
			80-SUSOL				
KCM100-RPSUS	1	RP	100-RPSUST	4.09	96L	3m	1
			100-SUSJL				10
			100-SUSOL				

Caution
∗ The D/L/H dimensions are the same as the P.40 to P.43 Standard Roller Chains.
∗ ★ indicates the bushing diameter of bushed chains.

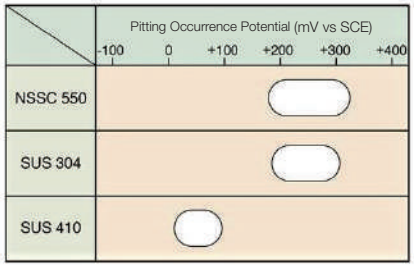
KCM SSP (High Performance Stainless Steel) Chains

Uses special parts (using NSSC550) that maintain the same degree of corrosion resistance as SUS304, to achieve about 5 times the wear service life of KCM Stainless Steel Chains.



Pitting Potential

(Test Conditions) Solution 3.5%NaCl, Ar Deaeration 30°C



(As stated in the NSSC550 materials by Nippon Steel Stainless Steel Corporation)

Features

(1) Uses martensitic stainless steel (Nippon Steel Stainless Steel) NSSC550 material in the pins, bushings (solid bushings), and rollers wear locations (the plate is SUS304).
(2) The pins, bushings, and rollers undergo special heat treatment to retain the hardness of steel, and in the Salt Spray Exposure Test demonstrates a corrosion resistance to the same degree as SUS304. (For other chemical products, please consult with us.

Salt Spray Exposure Test

This is an exposure test method for investigation of corrosion resistance. The test subject is exposed to a sodium chloride aqueous solution, to test for accelerated corrosion.

☐ 700 Hours Salt Spray Exposure Test Product photo

KCM Stainless Steel Chains

KCM High-Strength Type (AS) Stainless Steel Chains

KCMSSP (High Performance Stainless Steel) Chains

KCM SSP (High Performance Stainless Steel) Chains

Uses special parts (using NSSC550) that maintain the same degree of corrosion resistance as SUS304, for a chain more than 3 times the maximum allowable tension in KCM Stainless Steel Chains.

Chain Materials	KCM Stainless Steel Chains SUS304	KCM SSP Chains NSSC550	KCM AS Chains Precipitation-Hardened Systems
Maximum Allowable Tension	100%	300% (Reference Value)	150%
Corrosion Resistance	◎	○	△
Wear Resistance	△	◎	○

∗If KCM Stainless Steel Chains (SUS304) are set to 100
∗Stainless steel chains are not subjected to oilling before shipment.
∗If using in places other than under water or not subjected to splashing water, always be sure to perform oilling before use. If used without oilling, it could result in early occurrence of bending defects in the chains.

Various Features

●Customers who are considering replacements
Because the product uses parts with higher wear resistance than SUS304 stainless steel chains, and with the same degree of corrosion resistance as SUS304, the replacement frequency is reduced. This reduces production losses due to line stoppage.

●Customers who are considering new designs
The chain size can be reduced by 2 or more counts downward.

●Can be used in various utilizations
Available for 40, 50, 60, 80, C2040, C2050, C2060H, C2080H (the Double Pitch R Roller is SUS304). Because it has the same dimensions as the conventional stainless steel chains, various attachments can be mounted.

●Operating Temperature
-20°C to 400°C

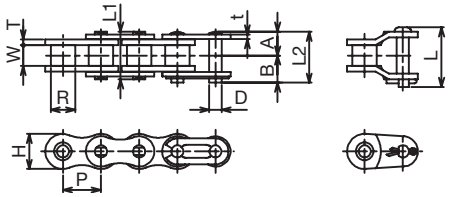
●The pins/bushings/rollers contain magnetism.

KCM Ultra Chains (Oilless type)

Order Product Code

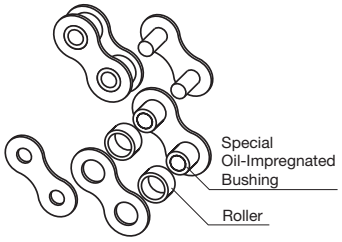
KCM40NL-240 Links
Chain No.

10ft
Unit

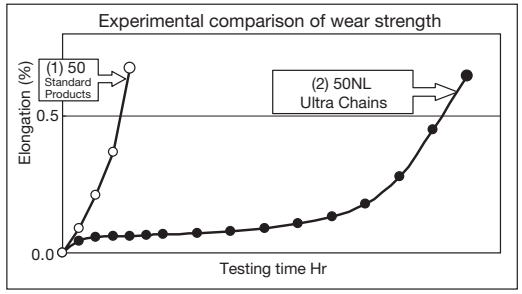


Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Thickness t	Link Plate Width H	Pin Diameter D	Pin Length A	Pin Length B	Pin Length L	Pin Length L1	Pin Length L2	Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
KCM 40NL	12.70	7.92	7.95	2.0	1.5	11.7	3.97	8.6	10.10	21.00	17.2	18.70	18.1(1,850)	3.63(370)
KCM 50NL	15.875	10.16	9.53	2.4	2.0	14.6	5.09	10.6	12.05	24.65	21.2	22.65	29.9(3,050)	6.37(650)
KCM 60NL	19.05	11.91	12.70	3.2	2.4	17.5	5.96	13.5	15.10	32.65	27.0	28.60	41.2(4,200)	8.83(900)
KCM 80NL	25.40	15.88	15.88	4.0	3.2	23.0	7.94	16.9	20.00	40.15	33.8	36.90	72.6(7,400)	14.7 (1,500)

Basic Structure



∗ Operating temperature: -10 to 150°C



Features KANA Ultra (oilless type) Chains are maintenance-free chains using special oil-impregnated bushings for self-lubrication.
Use them for places where lubrication is hard to implement or should be avoided.
Black oxide finish is implemented on the plate to improve corrosion resistance.
In addition, a nickel plating type is also available.

Chain No.	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 40NL	40NL-T	0.67	240L	3m	10
	40NL-JL				100
	40NL-OL				
KCM 50NL	50NL-T	1.08	192L	3m	5
	50NL-JL				50
	50NL-OL				
KCM 60NL	60NL-T	1.63	160L	3m	5
	60NL-JL				25
	60NL-OL				
KCM 80NL	80NL-T	2.76	120L	3m	3
	80NL-JL				20
	80NL-OL				

Caution
∗ Because the inside plate is designed to be thick, pins are longer than those of standard chains.
∗ Although standard sprockets can be used for single rows, dedicated sprockets are required for multiple rows. Coupler links of 80NL are cotter pin type.

KCM Types: Stainless Steel Chain Introduction

1. Feature List

Specification \ Product Name	KCM Stainless Steel Chains Refer to P.44	Ultra-Chains (Oilless) NL-Stainless Steel Type Refer to P.51	High-Strength Type Stainless Steel (AS) Chains Refer to P.82
Features	Using SUS304, it is ideal in environments requiring enhanced corrosion resistance and a beautiful appearance.	Adopts a stainless steel oil-impregnated bushing as an oilless type chain. Uses an NSF-H1 registered lubricant to make the product safe even for food machinery.	Maximum allowable tension is 1.5 times greater than KCM Stainless Steel Chains. Adopts precipitation-hardened stainless steel for the pins and rollers.
Supported Chain No.	No.25 to 100-RP	No.40 to 60	No.40 to 80-RP
Maximum Allowable Tension	Chain No.40/50/60 Comparison		
	No.40 / 0.44kN (45kgf) No.50 / 0.69kN (70kgf) No.60 / 1.03kN (105kgf)		No.40 / 0.69kN (70kgf) No.50 / 1.03kN (105kgf) No.60 / 1.57kN (160kgf)
Operating Temperature	-20°C to 400°C	-10°C to 150°C ∗Range for the full performance of oil-impregnated bushings	-20°C to 400°C
⚠Caution	Cold rolled, has slight magnetism.	Do not use them in an environment where complete oillessness is required. Abrasion may rapidly occur in a dusty environment.	Corrosion resistance effectiveness is slightly lower than KCM stainless steel chains. Magnetized due to the use of precipitation-hardened stainless steel.

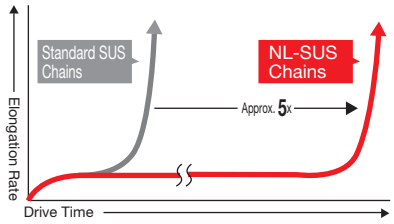
2. FAQ

Q. Due to the structure of the machine used I cannot lubricate the chain or conduct maintenance.

A. We suggest Ultra-Chains (oilless type) NL-stainless steel types. These reduce maintenance time and reduce production losses due to line stoppage.

Comparison of Elongation Rate due to Drive Time

(30°C test temperature)

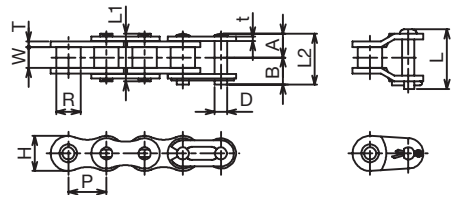


KCM Ultra Chains (Oilless type) NL-Stainless Steel Type

Order Product Code

KCM40NL - SUS 240 Links 10ft

Chain No. / Material / Unit



Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Thickness t	Link Plate Width H	Pin Outer Diameter D	Pin Length A	Pin Length B	Pin Length L	Pin Length L1	Pin Length L2	Maximum Allowable Tension kN (kgf)
KCM 40NL-SUS	12.70	7.92	7.95	1.5	1.5	11.7	3.97	8.02	9.53	19.05	16.05	17.55	0.44 (45)
KCM 50NL-SUS	15.875	10.16	9.53	2.0	2.0	14.6	5.09	10.15	11.60	23.05	20.30	21.75	0.69 (70)
KCM 60NL-SUS	19.05	11.91	12.70	2.4	2.4	17.5	5.96	12.65	14.15	29.55	25.30	26.80	1.03 (105)

Lubrication unnecessary/NSF-H1 registered lubricant used

This product has corrosion resistance equivalent to SUS chains and enables oilless use by using stainless steel (SUS) oil-impregnated bushing.
An NSF-H1 registered lubricant (lubricant which can be used in areas where it may incidentally contact food) is used, making the product safe even for food machinery.

∗ Although the chain body can be used in both high and low temperature ranges (-20°C to 400°C), use the product in a temperature range of -10°C to 150°C for the full performance of oil-impregnated bushing.

∗ Abrasion may rapidly occur in a dusty environment. In addition the oil of oil-impregnated bushing is more likely to come out, shortening their lives, in a place with water splashes or high temperature.

Chain No.	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 40NL-SUS	40NL-SUST	0.63	240L	3m	10
	40NL-SUSJL				100
	40NL-SUSOL				
KCM 50NL-SUS	50NL-SUST	1.04	192L	3m	5
	50NL-SUSJL				50
	50NL-SUSOL				
KCM 60NL-SUS	60NL-SUST	1.50	160L	3m	5
	60NL-SUSJL				25
	60NL-SUSOL				

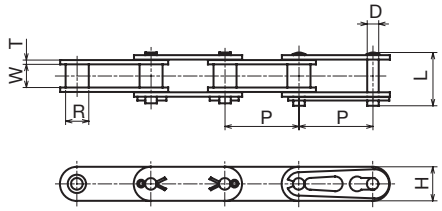
Caution
∗ Lubricate stainless chains where permissible for use.
∗ Do not use them in an environment where complete oillessness is required.

KCM Double Pitch Roller Chains

Order Product Code

KCMC2040 — Chain No.

120 Links / **10ft** — Unit



S-Type

Double pitch roller chains are roller chains for transmission with a double pitch. They are small conveyor chains, each part of which is the same as roller chains and which are excellent in rupture strength and wear resistance.
R-type and S-type are available for rollers.
For chains with attachments, refer to P.66 to P.69.

Chain No.		Pitch	Roller Outer Diameter	Inner Link	Link Plate		Pin		Average	Maximum
Type	Roller Shape	P	R	Inner Width W	Thickness T	Width H	Outer Diameter D	Length L	Tensile Strength kN (kgf)	Allowable Tension kN (kgf)
KCM C2040	S	25.40	7.92	7.95	1.5	11.7	3.97	17.55	17.2(1,750)	2.65(270)
KCM C2042	R		15.88							
KCM C2050	S	31.75	10.16	9.53	2.0	14.6	5.09	21.75	27.9(2,850)	4.31(440)
KCM C2052	R		19.05							
KCM C2060H	S	38.10	11.91	12.70	3.2	17.5	5.96	30.00	39.5(4,000)	6.28(640)
KCM C2062H	R		22.23							
KCM C2080H	S	50.80	15.87	15.88	4.0	23.0	7.94	38.50	68.6(7,000)	10.69(1,090)
KCM C2082H	R		28.58							
KCM C2100H	S	63.50	19.05	19.05	4.8	28.9	9.54	46.40	106.9(10,900)	17.06(1,740)

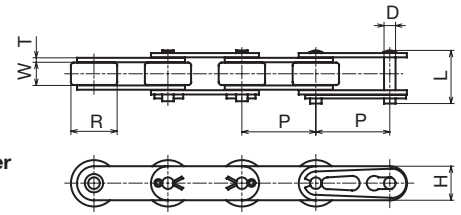
Chain No.	Roller Shape	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM C2040	S	C2040-T	0.48	120L	3m	10
		C2040-JL				50
		C2040-OL				
KCM C2042	R	C2042-T	0.82	120L	3m	8
		For JL, refer to “C2040-JL”				50
		C2042-OL				
KCM C2050	S	C2050-T	0.79	96L	3m	5
		C2050-JL				25
		C2050-OL				
KCM C2052	R	C2052-T	1.25	96L	3m	5
		For JL, refer to “C2050-JL”				25
		C2052-OL				
KCM C2060H	S	C2060H-T	1.43	80L	3m	5
		C2060H-JL				20
		C2060H-OL				
KCM C2062H	R	C2062H-T	2.11	80L	3m	3
		For JL, refer to “C2060H-JL”				20
		C2062H-OL				
KCM C2080H	S	C2080H-T	2.37	60L	3m	3
		C2080H-JL				10
		C2080H-OL				
KCM C2082H	R	C2082H-T	3.41	60L	3m	2
		For JL, refer to “C2080H-JL”				10
		C2082H-OL				
KCM C2100H	S	C2100H-T	3.53	48L	3m	1
		C2100H-JL				-
		C2100H-OL				

KCM Double Pitch Roller Chains

Order Product Code

KCMC2042 - SUS 120 Links 10ft

Chain No. | Material | Unit



R-Type

All parts of stainless steel chains are made of SUS304. Can be used in a high or low temperature environment or places with acid or alkaline chemical corrosion, water, or steam.

Chain No. Type	Roller Shape	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Width H	Pin Outer Diameter D	Pin Length L	Maximum Allowable Tension kN (kgf)
KCM C2040-SUS	S	25.40	7.92	7.95	1.5	11.7	3.97	17.65	0.44(45)
KCM C2042-SUS	R		15.88						
KCM C2050-SUS	S	31.75	10.16	9.53	2.0	14.6	5.09	21.80	0.69(70)
KCM C2052-SUS	R		19.05						
KCM C2060H-SUS	S	38.10	11.91	12.70	3.2	17.5	5.96	30.20	1.03(105)
KCM C2062H-SUS	R		22.23						
KCM C2080H-SUS	S	50.80	15.87	15.88	4.0	23.0	7.94	38.70	1.77(180)
KCM C2082H-SUS	R		28.58						

Chain No.	Roller Shape	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM C2040-SUS	S	C2040-SUST	0.49	120L	3m	10
		C2040-SUSJL				50
		C2040-SUSOL				
KCM C2042-SUS	R	C2042-SUST	0.83	120L	3m	8
		For JL, refer to "C2040-SUSJL"				50
		C2042-SUSOL				
KCM C2050-SUS	S	C2050-SUST	0.83	96L	3m	5
		C2050-SUSJL				25
		C2050-SUSOL				
KCM C2052-SUS	R	C2052-SUST	1.28	96L	3m	5
		For JL, refer to "C2050-SUSJL"				25
		C2052-SUSOL				
KCM C2060H-SUS	S	C2060H-SUST	1.46	80L	3m	5
		C2060H-SUSJL				20
		C2060H-SUSOL				
KCM C2062H-SUS	R	C2062H-SUST	2.14	80L	3m	3
		For JL, refer to "C2060H-SUSJL"				20
		C2062H-SUSOL				
KCM C2080H-SUS	S	C2080H-SUST	2.44	60L	3m	3
		C2080H-SUSJL				10
		C2080H-SUSOL				
KCM C2082H-SUS	R	C2082H-SUST	3.50	60L	3m	2
		For JL, refer to "C2080H-SUSJL"				10
		C2082H-SUSOL				

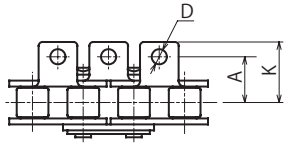
KCM Roller Chains with Attachments

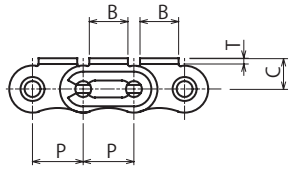
Order Product Code

KCM40- ALL A1 240 Links 10ft

- KCM40- : Chain No.
- ALL : Configuration
- A1 : Type
- 240 Links 10ft : Unit

40-ALLA1T





Chains where attachments are attached to roller chains. Dimensions comply with JIS.
Can be used as a highly accurate small conveyor type.

Chain No.	Attachment		Plate Thickness T	D	Attachment				Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
	Configuration	Type			A	B	C	K		
KCM 40	ALL 2L 3L 4L 6L	A1	1.5	3.6	12.7	9.5	7.9	17.4	17.2 (1,750)	2.75 (280)
KCM 50			2.0	5.2	15.9	12.7	10.3	22.3	27.9 (2,850)	4.41 (450)
KCM 60			2.4	5.2	19.05	15.9	11.9	27.2	39.5 (4,000)	6.28 (640)
KCM 80			3.2	6.8	25.40	19.1	15.9	35.2	68.6 (7,000)	10.69 (1,090)

Caution

* There are no OL for chains with attachments.

Chain No.	Configuration	Type	Product Code	Applied Approx Weight g per Attachment Location	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 40	ALL	A1	40-ALLA1T	1.4	0.61	240L	3m	8
	2L		40-2LA1T					
	3L		40-3LA1T					
	4L		40-4LA1T					
	6L		40-6LA1T					
	--		40-A1JL					50
KCM 50	ALL	A1	50-ALLA1T	3.2	1.01	192L	3m	5
	2L		50-2LA1T					
	3L		50-3LA1T					
	4L		50-4LA1T					
	--		50-A1JL					25
KCM 60	ALL	A1	60-ALLA1T	5.6	1.49	160L	3m	4
	2L		60-2LA1T					
	3L		60-3LA1T					
	4L		60-4LA1T					
	--		60-A1JL					15
KCM 80	ALL	A1	80-ALLA1T	13.0	2.50	120L	3m	3
	2L		80-2LA1T					
	3L		80-3LA1T					
	4L		80-4LA1T					
	--		80-A1JL					10

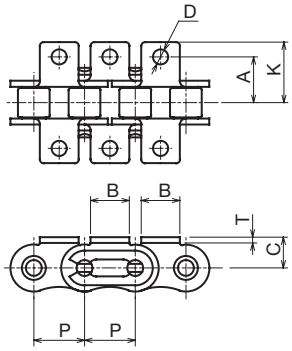
KCM Roller Chains with Attachments

Order Product Code

KCM40- ALL K1 240 Links 10ft

- KCM40: Chain No.
- ALL: Configuration
- K1: Type
- 240 Links 10ft: Unit

40-ALLK1T



Chain No.	Attachment		Plate Thickness T	D	Attachment				Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
	Configuration	Type			A	B	C	K		
KCM 40	ALL 2L 3L 4L	K1	1.5	3.6	12.7	9.5	7.9	17.4	17.2 (1,750)	2.75 (280)
KCM 50			2.0	5.2	15.9	12.7	10.3	22.3	27.9 (2,850)	4.41 (450)
KCM 60			2.4	5.2	19.05	15.9	11.9	27.2	39.5 (4,000)	6.28 (640)
KCM 80			3.2	6.8	25.4	19.1	15.9	35.2	68.6 (7,000)	10.69 (1,090)

Caution

∗ There are no OL for chains with attachments.

K1-type Attachments

Chain No.	Configuration	Type	Product Code	Applied Approx Weight g per Attachment Location	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 40	ALL	K1	40-ALLK1T	2.8	0.61	240L	3m	8
	2L		40-2LK1T					
	3L		40-3LK1T					
	4L		40-4LK1T					
	--		40-K1JL					50
KCM 50	ALL	K1	50-ALLK1T	6.2	1.01	192L	3m	5
	2L		50-2LK1T					
	3L		50-3LK1T					
	4L		50-4LK1T					
	--		50-K1JL					25
KCM 60	ALL	K1	60-ALLK1T	12.0	1.49	160L	3m	4
	2L		60-2LK1T					
	3L		60-3LK1T					
	4L		60-4LK1T					
	--		60-K1JL					15
KCM 80	ALL	K1	80-ALLK1T	26.0	2.50	120L	3m	3
	2L		80-2LK1T					
	3L		80-3LK1T					
	4L		80-4LK1T					
	--		80-K1JL					10

KCM Stainless Steel Roller Chains with Attachments

Stainless Steel A1-type Attachments

Order Product Code

KCM40- SUS 2L A1 240 Links 10ft

Chain No. | Material | Configuration | Type | Unit

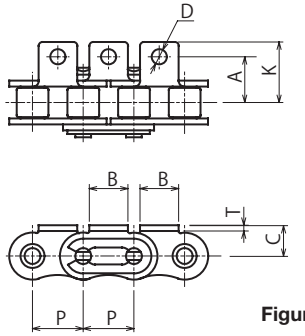


Figure: ALL A1

Stainless steel chains where attachments are attached to roller chains. Dimensions comply with JIS.
Can be used as a highly accurate small conveyor type.

Chain No.	Attachment Configuration	Attachment Type	Plate Thickness T	D	Attachment A	Attachment B	Attachment C	Attachment K	Maximum Allowable Tension kN (kgf)
KCM 40	ALL	A1	1.5	3.6	12.7	9.5	7.9	17.4	0.44 (45)
KCM 50	2L		2.0	5.2	15.9	12.7	10.3	22.3	0.69 (70)
KCM 60	3L 4L		2.4	5.2	19.05	15.9	11.9	27.2	1.03 (105)
KCM 80	6L		3.2	6.8	25.40	19.1	15.9	35.2	1.77 (180)

Chain No.	Attachment Attached per Location Approx. Weight g	Approx. Weight kg/m	Unit No. of Links	Unit m
KCM 40	1.4	0.63	240L	3
KCM 50	3.2	1.04	192L	
KCM 60	5.6	1.50	160L	
KCM 80	13.0	2.62	120L	

Caution
∗ There are no OL for chains with stainless steel attachments.

KCM Stainless Steel Roller Chains with Attachments

Stainless Steel K1-type Attachments

Order Product Code

KCM40- SUS 2L K1 240 Links 10ft

Chain No. | Material | Configuration | Type | Unit

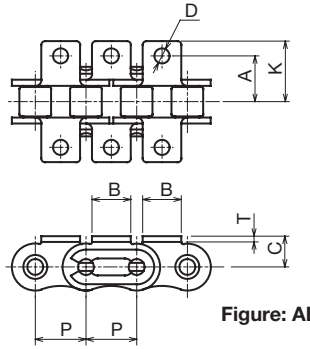


Figure: ALL K1

Stainless steel chains where attachments are attached to roller chains. Dimensions comply with JIS.
Can be used as a highly accurate small conveyor type.

Chain No.	Attachment Configuration	Attachment Type	Plate Thickness T	D	Attachment A	Attachment B	Attachment C	Attachment K	Maximum Allowable Tension kN (kgf)
KCM 40	ALL	K1	1.5	3.6	12.7	9.5	7.9	17.4	0.44 (45)
KCM 50	2L		2.0	5.2	15.9	12.7	10.3	22.3	0.69 (70)
KCM 60	3L 4L		2.4	5.2	19.05	15.9	11.9	27.2	1.03 (105)
KCM 80			3.2	6.8	25.4	19.1	15.9	35.2	1.77 (180)

Chain No.	Attachment Attached per Location Approx. Weight g	Approx. Weight kg/m	Unit No. of Links	Unit m
KCM 40	2.8	0.63	240L	3
KCM 50	6.2	1.04	192L	
KCM 60	12.0	1.50	160L	
KCM 80	26.0	2.62	120L	

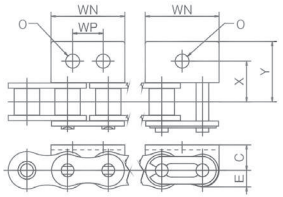
Caution
∗ There are no OL for chains with stainless steel attachments.

KCM Roller Chains with Attachments

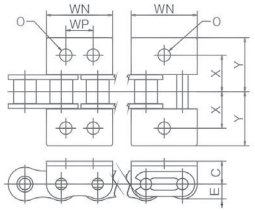
A wider attachment than the standard attachments. Use if the slats or brackets are large.

Wide Attachment

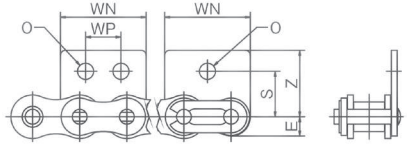
WA-1, WA-2 Attachments



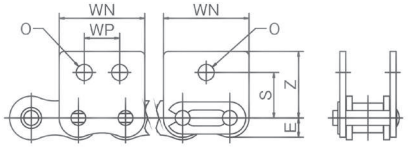
WK-1, WK-2 Attachments



WSA-1, WSA-2 Attachments



WSK-1, WSK-2 Attachments



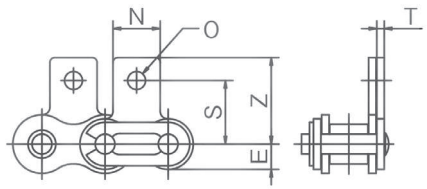
(Units: mm)

Chain No.	Attachment									Applied Load per Attachment (kg)		When Inner Link
	WN	WP	O	E	C	X	Y	S	Z	WA/WSA	WK.WSK	WN
KCM 40	23.0	9.5	4.5	5.05	7.9	12.7	17.4	12.5	17.3	0.003	0.006	24.4
KCM 50	28.475	11.9	5.5	6.3	10.3	15.9	22.3	15.9	22.3	0.007	0.014	30.475
KCM 60	34.6	14.3	6.5	7.75	11.9	19.05	28.2	18.25	26.7	0.013	0.026	36.55
KCM 80	46.1	19.1	9.0	10.35	15.9	25.4	36.6	24.6	35.4	0.030	0.060	48.4

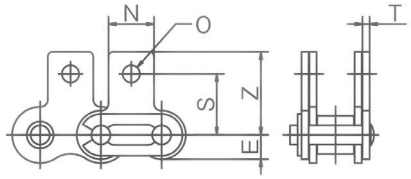
Stainless steel types have the same dimensions.

Roller chains with high precision machined attachments. Ideal for high accuracy transportation as a small conveyor type due to the fine pitch.

SA-1 Attachment



SK-1 Attachment



(Units: mm)

Chain No.	Pitch P	Inner Link Inner Width W	Roller Outer Diameter D	Standard / Rustop (N)			Stainless Steel (SS)		No. of Links for 1 Unit
				Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)	Approx. Mass (kg/m)	Maximum Allowable Tension kN (kgf)	Approx. Mass (kg/m)	
KCM 25	6.35	3.18	*3.30	4.1(425)	0.64(65)	0.15	0.12(12)	0.16	480
KCM 35	9.525	4.78	*5.08	10.2(1,040)	1.57(160)	0.33	0.26(27)	0.33	320
KCM 40	12.70	7.95	7.92	17.2(1,750)	2.75(280)	0.61	0.44(45)	0.63	240
KCM 50	15.875	9.53	10.16	27.9(2,850)	4.41(450)	1.01	0.69(70)	1.04	192
KCM 60	19.05	12.70	11.91	39.5(4,000)	6.28(640)	1.49	1.03(105)	1.50	160
KCM 80	25.40	15.88	15.88	68.6(7,000)	10.69(1,090)	2.50	1.77(180)	2.62	120
KCM 100	31.75	19.05	19.05	106.9(10,900)	17.06(1,740)	3.85	2.55(260)	4.09	96
KCM 120	38.10	25.40	22.23	149.1(15,200)	23.93(2,440)	5.66	-	-	80

Coupler links of 80 or more are cotter pin type. ∗ The mark indicates bushings diameter.

(Units: mm)

Chain No.	Attachment								Applied Load per Attachment (kg)	
	N	O	E	C	X	Y	S	Z	A,SA-1	K,SK-1
KCM 25	5.6	3.4	2.9	4.75	7.15	10.7	7.95	11.9	0.0003	0.0006
KCM 35	7.9	3.4	4.4	6.35	9.5	13.8	9.5	14.25	0.0009	0.0018
KCM 40	9.5	3.6	5.8	7.9	12.7	17.4	12.7	17.3	0.0014	0.0028
KCM 50	12.7	5.2	7.3	10.3	15.9	22.3	15.9	22.3	0.0032	0.0062
KCM 60	15.9	5.2	8.8	11.9	19.05	27.2	18.3	26.3	0.0056	0.012
KCM 80	19.1	6.8	11.5	15.9	25.4	35.2	24.6	34.2	0.013	0.026
KCM 100	25.4	8.7	14.4	19.8	31.75	44.7	31.8	44.1	0.025	0.050
KCM 120	28.6	10.3	17.5	23.0	38.1	52.5	36.55	50.9	0.038	0.076

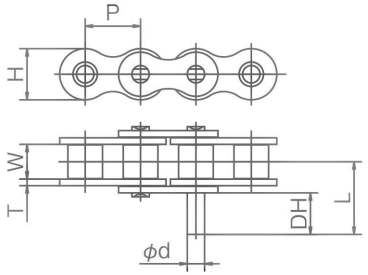
Stainless steel types have the same dimensions.

KCM Roller Chains with Attachments

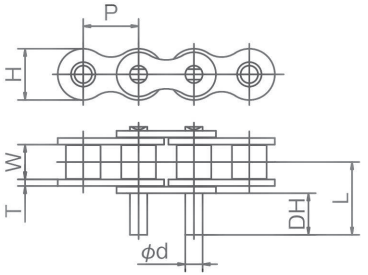
EP Attachments

A pin attachment which is basically a standard type roller chain pin with the same diameter but extended length. Use the EP attachment so that it faces inward, and with the two chains in parallel, attach the pipes and metal fittings etc. to their respective EP attachments.

2P EP Attachment



1P EP Attachment



(Units: mm)

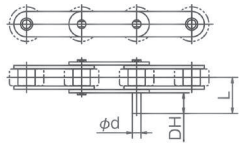
Chain No.	Pitch P	Inner Link Inner Width W	Roller Outer Diameter D	Pin Diameter d	Pin A	Pin B	Link Plate Thickness T	Link Plate Width H	Attachment DH	Attachment L	Applied Load per Location (kg) 2P EP	Applied Load per Location (kg) 1P EP	No. of Links for 1 Unit
KCM 35	9.525	4.78	*5.08	3.59	5.70	7.10	1.25	8.8	9.5	14.5	0.0007	0.0014	320
KCM 40	12.70	7.95	7.92	3.97	8.05	9.55	1.5	11.7	9.5	16.65	0.0009	0.0018	240
KCM 50	15.875	9.53	10.16	5.09	10.15	11.60	2.0	14.6	11.9	20.9	0.0017	0.0034	192
KCM 60	19.05	12.70	11.91	5.96	12.65	14.15	2.4	17.5	14.3	25.65	0.0034	0.006	160
KCM 80	25.40	15.88	15.88	7.94	16.10	19.20	3.2	23.0	19.0	33.6	0.007	0.014	120
KCM 100	31.75	19.05	19.05	9.54	20.10	23.05	4.0	28.9	23.8	41.6	0.012	0.024	96
KCM 120	38.10	25.40	22.23	11.11	25.20	28.60	4.8	35.0	28.6	51.2	0.020	0.040	80
KCM 140	44.45	25.40	25.40	12.71	27.30	31.30	5.6	40.7	33.3	57.6	0.030	0.060	68
KCM 160	50.80	31.75	28.58	14.29	32.45	37.15	6.4	46.7	38.1	67.3	0.044	0.080	60

Stainless steel types have the same dimensions. ∗ The mark indicates bushings diameter.
Coupler links of 80 or more are cotter pin type.

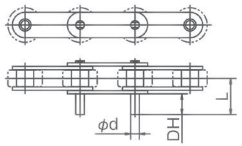
KCM Double Pitch Chains with Attachments

EP Attachments

2P EP Attachment

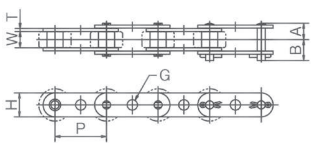


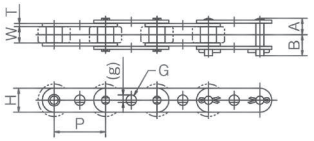
1P EP Attachment



G Attachment

The G Attachment is a model with a hole in the middle of the link plate.
Using the hole of the G Attachment allows use as a wide chain by incorporating two stay pins and stay bars with two chains in parallel.





(Units: mm)

Chain No.	Pitch P	Inner Link Inner Width W	Roller Outer Diameter D	Pin Diameter d	Pin A	Pin B	Link Plate Thickness T	Link Plate Width H	Standard / Rustop (N) Average Tensile Strength kN (kgf)	Standard / Rustop (N) Maximum Allowable Tension kN (kgf)	Standard / Rustop (N) Approx. Mass (kg/m)	Stainless Steel (SS) Maximum Allowable Tension kN (kgf)	Stainless Steel (SS) Approx. Mass (kg/m)	No. of Links for 1 Unit
KCM C2040 KCM C2042	25.40	7.95	7.92 15.88	3.97	8.05	9.60	1.5	11.7	17.2 (1,750)	2.65 (270)	0.48 0.82	0.44(45)	0.49 0.83	120
KCM C2050 KCM C2052	31.75	9.53	10.16 19.05	5.09	10.15	11.65	2.0	14.6	27.9 (2,850)	4.31 (440)	0.79 1.25	0.69(70)	0.83 1.28	96
KCM C2060 KCM C2062	38.10	12.70	11.91 22.23	5.96	12.70	15.40	2.4	17.5	39.5 (4,000)	6.28 (640)	1.12 1.79	1.03(105)	1.19 1.88	80
KCM C2060H KCM C2062H	38.10	12.70	11.91 22.23	5.96	14.25	15.75	3.2	17.5	39.5 (4,000)	6.28 (640)	1.43 2.11	1.03(105)	1.48 2.14	80
KCM C2080 KCM C2082	50.80	15.88	15.88 28.58	7.94	16.15	19.25	3.2	23.0	68.6 (7,000)	10.69 (1,090)	1.88 2.92	1.77(180)	2.08 3.13	60
KCM C2080H KCM C2082H	50.80	15.88	15.88 28.58	7.94	17.70	20.80	4.0	23.0	68.6 (7,000)	10.69 (1,090)	2.37 3.41	1.77(180)	2.44 3.50	60
KCM C2100H KCM C2102H	63.50	19.05	19.05 39.67	9.54	21.75	24.70	4.8	28.9	106.9 (10,900)	17.06 (1,740)	3.53 5.68	2.55(260)	3.74 5.98	48
KCM C2120H KCM C2122H	76.20	25.40	22.23 44.45	11.11	26.85	30.25	5.6	35.0	149.1 (15,200)	23.93 (2,440)	4.75 7.40	-	-	40

Coupler links of C2080 or more are cotter pin type.

(Units: mm)

Chain No.	D Attachment DH	D Attachment L	G Attachment G(g)				Applied Load per Attachment (kg) 2P EP	Applied Load per Attachment (kg) 1P EP
KCM C2040 KCM C2042	9.5	16.65	4.1	5.1	6.1	6.5(5.5)	0.0009	0.0018
KCM C2050 KCM C2052	11.9	20.95	5.1(4.1)	6.1(5.1)	6.5	8.1(7.1)	0.0017	0.0034
KCM C2060 KCM C2062	14.3	25.65					0.003	0.006
KCM C2060H KCM C2062H	14.3	27.25	4.1	6.1(5.1)	7.9	8.1(7.1)	0.003	0.006
KCM C2080 KCM C2082	19.0	33.6					0.007	0.014
KCM C2080H KCM C2082H	19.0	35.2	8.1(7.1)	9.1(8.1)	10.1(8.6)	12.1(10.3)	0.007	0.014
KCM C2100H KCM C2102H	23.8	43.25	12.2(10.2)				0.012	0.024
KCM C2120H KCM C2122H	28.6	52.85	16.2(14.2)				0.020	0.040

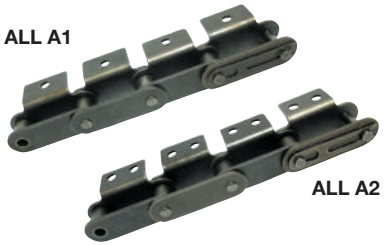
Stainless steel types have the same dimensions.

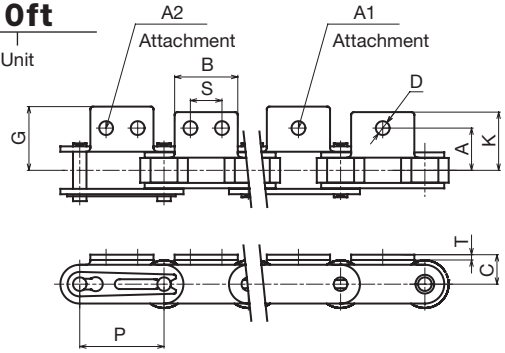
KCM Double Pitch Roller Chains with Attachments

Order Product Code

KCMC2040- ALL A1 120 Links 10ft

- KCMC2040 — Chain No.
- ALL — Configuration
- A1 — Type
- 120 Links 10ft — Unit





Double pitch roller chains are roller chains for transmission with a double pitch. Small conveyor chains, each part of which is the same as roller chains and which are excellent in rupture strength and wear resistance. The R-type and S-type are available for rollers, and the A1/2 and K1/2 types for chains with attachments.

Chain No.		Attachment		Pitch	Common Dimensions				Attachment A1/A2				Average Tensile Strength	Maximum Allowable Tension
Type	Roller Shape	Configuration	Type	P	C	B	D	T	A	K	G	S	kN (kgf)	kN (kgf)
KCM C2040	S	ALL 2L	A1 A2	25.40	9.1	19.1	3.6	1.5	12.7	17.4	19.0	9.5	17.2(1,750)	2.63(270)
KCM C2042	R													
KCM C2050	S			31.75	11.1	23.8	5.2	2.0	15.9	21.9	24.0	11.9	27.9(2,850)	4.31(440)
KCM C2052	R													
KCM C2060H	S			38.10	14.7	28.6	5.2	3.2	21.45	28.4	31.8	14.30	39.5(4,000)	6.28(640)
KCM C2062H	R													
KCM C2080H	S			50.80	19.1	38.1	6.8	4.0	27.8	37.0	41.1	19.10	68.6(7,000)	10.69(1,090)
KCM C2082H	R													

Caution

∗ There are no OL for chains with attachments.

A1/A2-type Attachments

Chain No.	Roller Shape	Configuration	Type	Product Code	Applied Approx Weight g per Attachment Location	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM C2040	S	ALL	A1	C2040-ALLA1T	3	0.48	120L	3m	10
		2L		C2040-2LA1T					
		--		C2040-A1JL					25
		ALL	A2	C2040-ALLA2T		0.48	120L	3m	10
		2L		C2040-2LA2T					
		--		C2040-A2JL					25
KCM C2042	R	ALL	A1	C2042-ALLA1T	3	0.82	120L	3m	10
		2L		C2042-2LA1T					
		--		For JL, refer to "C2040-A1JL"					-
		ALL	A2	C2042-ALLA2T		0.82	120L	3m	10
		2L		C2042-2LA2T					
		--		For JL, refer to "C2040-A2JL"					-
KCM C2050	S	ALL	A1	C2050-ALLA1T	7	0.79	96L	3m	6
		2L		C2050-2LA1T					
		--		C2050-A1JL					15
		ALL	A2	C2050-ALLA2T		0.79	96L	3m	6
		2L		C2050-2LA2T					
		--		C2050-A2JL					15
KCM C2052	R	ALL	A1	C2052-ALLA1T	7	1.25	96L	3m	6
		2L		C2052-2LA1T					
		--		For JL, refer to "C2050-A1JL"					-
		ALL	A2	C2052-ALLA2T		1.25	96L	3m	6
		2L		C2052-2LA2T					
		--		For JL, refer to "C2050-A2JL"					-
KCM C2060H	S	ALL	A1	C2060H-ALLA1T	16	1.43	80L	3m	5
		2L		C2060H-2LA1T					
		--		C2060H-A1JL					10
		ALL	A2	C2060H-ALLA2T		1.43	80L	3m	5
		2L		C2060H-2LA2T					
		--		C2060H-A2JL					10
KCM C2062H	R	ALL	A1	C2062H-ALLA1T	16	2.11	80L	3m	3
		2L		C2062H-2LA1T					
		--		For JL, refer to "C2060H-A1JL"					-
		ALL	A2	C2062H-ALLA2T		2.11	80L	3m	3
		2L		C2062H-2LA2T					
		--		For JL, refer to "C2060H-A2JL"					-
KCM C2080H	S	ALL	A1	C2080H-ALLA1T	33	2.37	60L	3m	3
		2L		C2080H-2LA1T					
		--		C2080H-A1JL					5
		ALL	A2	C2080H-ALLA2T		2.37	60L	3m	3
		2L		C2080H-2LA2T					
		--		C2080H-A2JL					5
KCM C2082H	R	ALL	A1	C2082H-ALLA1T	33	3.41	60L	3m	3
		2L		C2082H-2LA1T					
		--		For JL, refer to "C2080H-A1JL"					-
		ALL	A2	C2082H-ALLA2T		3.41	60L	3m	3
		2L		C2082H-2LA2T					
		--		For JL, refer to "C2080H-A2JL"					-

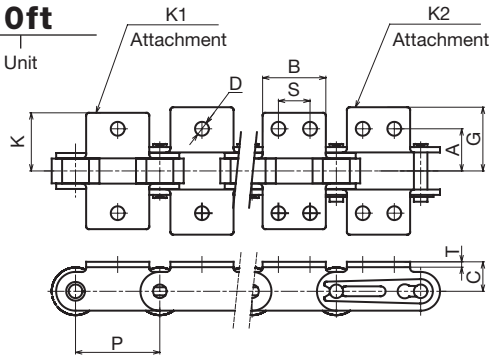
KCM Double Pitch Roller Chains with Attachments

K1/K2-type Attachments

Order Product Code

KCMC2040- ALL K1 120 Links 10ft

Chain No. | Configuration | Type | Unit



Chain No. Type	Roller Shape	Attachment Configuration	Attachment Type	Pitch P	Common Dimensions C	B	D	T	Attachment K1/K2 A	K	G	S	Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
KCM C2040	S	ALL 2L	K1 K2	25.40	9.1	19.1	3.6	1.5	12.7	17.4	19.0	9.5	17.2(1,750)	2.63(270)
KCM C2042	R													
KCM C2050	S			31.75	11.1	23.8	5.2	2.0	15.9	21.9	24.0	11.9	27.9(2,850)	4.31(440)
KCM C2052	R													
KCM C2060H	S			38.10	14.7	28.6	5.2	3.2	21.45	28.4	31.8	14.30	39.5(4,000)	6.28(640)
KCM C2062H	R													
KCM C2080H	S			50.80	19.1	38.1	6.8	4.0	27.8	37.0	41.1	19.10	68.6(7,000)	10.69(1,090)
KCM C2082H	R													

Caution

* There are no OL for chains with attachments.

Chain No.	Roller Shape	Configuration	Type	Product Code	Applied Approx Weight g per Attachment Location	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM C2040	S	ALL	K1	C2040-ALLK1T	6	0.48	120L	3m	7
		2L		C2040-2LK1T					25
		--		C2040-K1JL					
		ALL	K2	C2040-ALLK2T		0.48	120L	3m	7
		2L		C2040-2LK2T					25
		--		C2040-K2JL					
KCM C2042	R	ALL	K1	C2042-ALLK1T	6	0.82	120L	3m	7
		2L		C2042-2LK1T					-
		--		For JL, refer to "C2040-K1JL"					
		ALL	K2	C2042-ALLK2T		0.82	120L	3m	7
		2L		C2042-2LK2T					-
		--		For JL, refer to "C2040-K2JL"					
KCM C2050	S	ALL	K1	C2050-ALLK1T	14	0.79	96L	3m	4
		2L		C2050-2LK1T					15
		--		C2050-K1JL					
		ALL	K2	C2050-ALLK2T		0.79	96L	3m	4
		2L		C2050-2LK2T					15
		--		C2050-K2JL					
KCM C2052	R	ALL	K1	C2052-ALLK1T	14	1.25	96L	3m	4
		2L		C2052-2LK1T					-
		--		For JL, refer to "C2050-K1JL"					
		ALL	K2	C2052-ALLK2T		1.25	96L	3m	4
		2L		C2052-2LK2T					-
		--		For JL, refer to "C2050-K2JL"					
KCM C2060H	S	ALL	K1	C2060H-ALLK1T	32	1.43	80L	3m	4
		2L		C2060H-2LK1T					10
		--		C2060H-K1JL					
		ALL	K2	C2060H-ALLK2T		1.43	80L	3m	4
		2L		C2060H-2LK2T					10
		--		C2060H-K2JL					
KCM C2062H	R	ALL	K1	C2062H-ALLK1T	32	2.11	80L	3m	3
		2L		C2062H-2LK1T					-
		--		For JL, refer to "C2060H-K1JL"					
		ALL	K2	C2062H-ALLK2T		2.11	80L	3m	3
		2L		C2062H-2LK2T					-
		--		For JL, refer to "C2060H-K2JL"					
KCM C2080H	S	ALL	K1	C2080H-ALLK1T	66	2.37	60L	3m	2
		2L		C2080H-2LK1T					5
		--		C2080H-K1JL					
		ALL	K2	C2080H-ALLK2T		2.37	60L	3m	2
		2L		C2080H-2LK2T					5
		--		C2080H-K2JL					
KCM C2082H	R	ALL	K1	C2082H-ALLK1T	66	3.41	60L	3m	2
		2L		C2082H-2LK1T					-
		--		For JL, refer to "C2080H-K1JL"					
		ALL	K2	C2082H-ALLK2T		3.41	60L	3m	2
		2L		C2082H-2LK2T					-
		--		For JL, refer to "C2080H-K2JL"					

KCM Stainless Steel Double Pitch Roller Chains with Attachments

Stainless Steel
A1/A2-type Attachments

Order Product Code

KCMC2040- SUS 2L A1 120 Links 10ft

Chain No. | Material Configuration Type | Unit

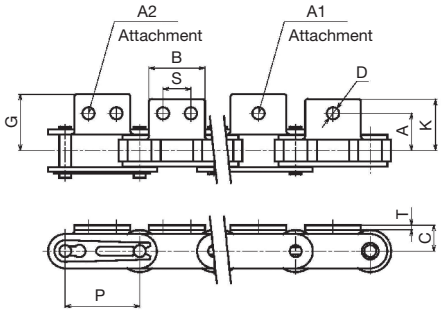


Figure: ALL A1/A2

Double pitch roller chains stainless steel specification.
The S-type and R-type are available for rollers. The A1/A2 types are available for chains with attachments.

Chain No.		Attachment		Pitch P	Common Dimensions				Attachment A1/A2			
Type	Roller Shape	Configuration	Type		C	B	D	T	A	K	G	S
KCM C2040 KCM C2042	S R	ALL 2L	A1 A2	25.40	9.1	19.1	3.6	1.5	12.7	17.4	19.0	9.5
KCM C2050 KCM C2052	S R			31.75	11.1	23.8	5.2	2.0	15.9	21.9	24.0	11.9
KCM C2060H KCM C2062H	S R			38.10	14.7	28.6	5.2	3.2	21.45	28.4	31.8	14.30
KCM C2080H KCM C2082H	S R			50.80	19.1	38.1	6.8	4.0	27.8	37.0	41.1	19.10

Chain No.		Maximum Allowable Tension kN (kgf)	Attachment Attached per Location Approx. Weight g	Approx. Weight kg/m	Unit No. of Links	Unit m
Type	Roller Shape					
KCM C2040 KCM C2042	S R	0.44 (45)	3	0.49 0.83	120L	3
KCM C2050 KCM C2052	S R	0.69 (70)	7	0.83 1.28	96L	
KCM C2060H KCM C2062H	S R	1.03 (105)	16	1.46 2.14	80L	
KCM C2080H KCM C2082H	S R	1.77 (180)	33	2.44 3.50	60L	

Caution
* There are no OL for chains with stainless steel attachments.

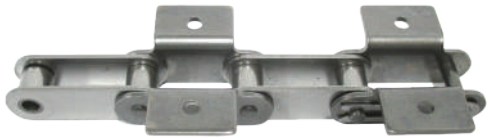
KCM Stainless Steel Double Pitch Roller Chains with Attachments

Stainless Steel
K1/K2-type Attachments

Order Product Code

KCMC2040- SUS 2L K1 120 Links 10ft

Chain No. | Material Configuration Type | Unit



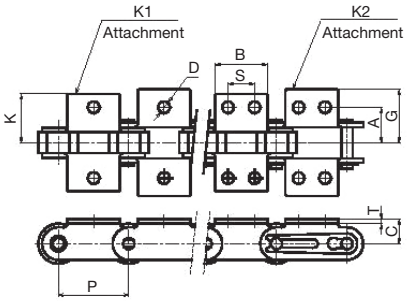


Figure: ALL K1/K2

Double pitch roller chains stainless steel specification.
The S-type and R-type are available for rollers. The K1/K2 types are available for chains with attachments.

Chain No.		Attachment		Pitch P	Common Dimensions				Attachment K1/K2			
Type	Roller Shape	Configuration	Type		C	B	D	T	A	K	G	S
KCM C2040 KCM C2042	S R	ALL 2L	K1 K2	25.40	9.1	19.1	3.6	1.5	12.7	17.4	19.0	9.5
KCM C2050 KCM C2052	S R			31.75	11.1	23.8	5.2	2.0	15.9	21.9	24.0	11.9
KCM C2060H KCM C2062H	S R			38.10	14.7	28.6	5.2	3.2	21.45	28.4	31.8	14.30
KCM C2080H KCM C2082H	S R			50.80	19.1	38.1	6.8	4.0	27.8	37.0	41.1	19.10

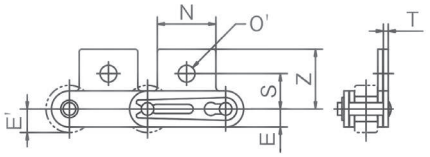
Chain No.		Maximum Allowable Tension kN (kgf)	Attachment Attached per Location Approx. Weight g	Approx. Weight kg/m	Unit No. of Links	Unit m
Type	Roller Shape					
KCM C2040 KCM C2042	S R	0.44 (45)	6	0.49 0.83	120L	3
KCM C2050 KCM C2052	S R	0.69 (70)	14	0.83 1.28	96L	
KCM C2060H KCM C2062H	S R	1.03 (105)	32	1.46 2.14	80L	
KCM C2080H KCM C2082H	S R	1.77 (180)	66	2.44 3.50	60L	

Caution
* There are no OL for chains with stainless steel attachments.

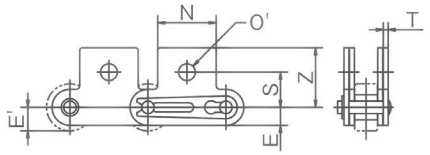
KCM Double Pitch Chains with Attachments Order-made Product

Standard Attachments

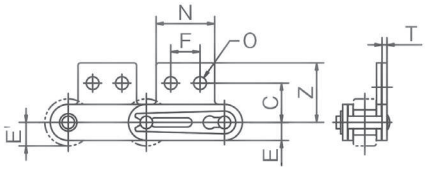
SA-1 Attachment



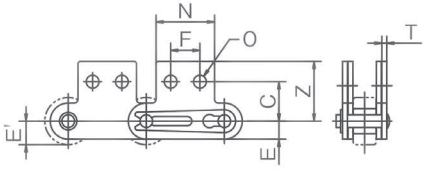
SK-1 Attachment



SA-2 Attachment



SK-2 Attachment



(Units: mm)

Chain No.	Attachment								Applied Load per Location (kg)	
	N	O	O'	C	S	E (E')	Z	F	SA-1, SA-2	SK-1, SK-2
KCM C2040 KCM C2042	19.1	3.6	5.2	13.5	11.1	5.9 (7.9)	19.75	9.5	0.003	0.006
KCM C2050 KCM C2052	23.8	5.2	6.8	15.9	14.3	7.3 (9.5)	24.55	11.9	0.006	0.012
KCM C2060 KCM C2062	28.6	5.2	8.7	19.05	17.5	8.8 (11.1)	31.05	14.3	0.013	0.026
KCM C2060H KCM C2062H	28.6	5.2	8.7	19.05	17.5	8.8 (11.1)	31.05	14.3	0.016	0.032
KCM C2080 KCM C2082	38.1	6.8	10.3	25.4	22.2	11.5 (14.3)	40.8	19.1	0.027	0.055
KCM C2080H KCM C2082H	38.1	6.8	10.3	25.4	22.2	11.5 (14.3)	40.8	19.1	0.031	0.062
KCM C2100H KCM C2102H	47.6	8.7	13.5	31.75	28.6	14.5 (19.8)	50.1	23.8	0.053	0.106
KCM C2120H KCM C2122H	57.2	10.3	16.0	37.3	33.3	17.5 (22.2)	60.0	28.6	0.100	0.200

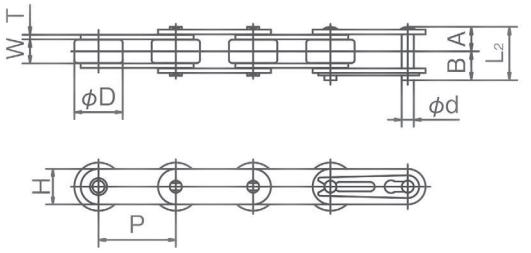
Stainless steel types have the same dimensions.

KCM Conveyor Double Pitch Chains (DL) Order-made Product

DL Type Double Pitch Chains

A double pitch chain in which the R type roller is replaced with engineering plastic (DL), enabling reduced weight and running noise. As with the standard specifications, nickel plating specifications with various attachments as well as stainless steel specifications are available.

Resin Roller (DL)



(Units: mm)

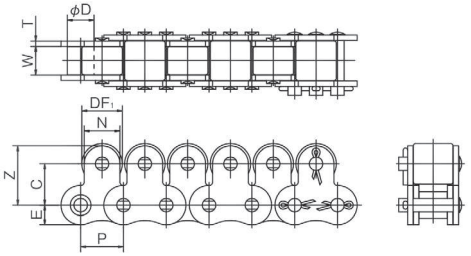
Chain No.	Pitch P	Inner Link Inner Width W	Roller Outer Diameter D	Pin			Link Plate		Maximum Allowable Tension kN (kgf)	Approx. Mass (kg/m)	No. of Links for 1 Unit
				Diameter d	(A+A) L_1	(A+B) L_2	Thickness T	Width H			
KCM C2042 DL	25.40	7.95	15.88	3.97	16.05	17.55	1.5	11.7	0.44 (45)	0.49	120
KCM C2052 DL	31.75	9.53	19.05	5.09	20.30	21.75	2.0	14.6	0.69 (70)	0.80	96
KCM C2062 DL KCM C2062H DL	38.10	12.70	22.23	5.96	25.30 28.50	26.80 30.00	2.4 3.2	17.5	1.03 (105)	1.10 1.40	80 80
KCM C2082 DL KCM C2082H DL	50.80	15.88	28.58	7.94	32.15 35.40	35.25 38.50	3.2 4.0	23.0	1.77 (180)	1.83 2.26	60 60
KCM C2102H DL	63.50	19.05	39.67	9.54	43.45	46.40	4.8	28.9	2.55 (260)	3.42	48
KCM C2122H DL	76.20	25.40	44.45	11.11	53.70	57.10	5.6	35.0	3.82 (390)	4.66	40

Coupler links of C2080 or more are cotter pin type.

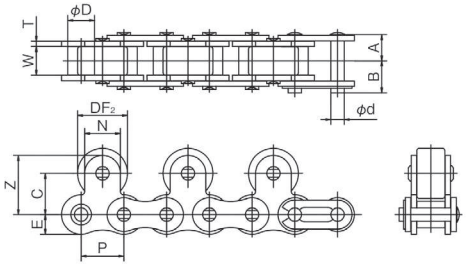
KCM Chains with Top Roller

A chain with transportation rollers is installed above the center of the chain pitch and can be used for transport/ accumulation as chains with side rollers can.
Just as with side rollers, the top roller material is available in standard steel, engineered plastic or rubber tire.

Top roller mounting interval for 1P is



Top roller mounting interval for 2P is



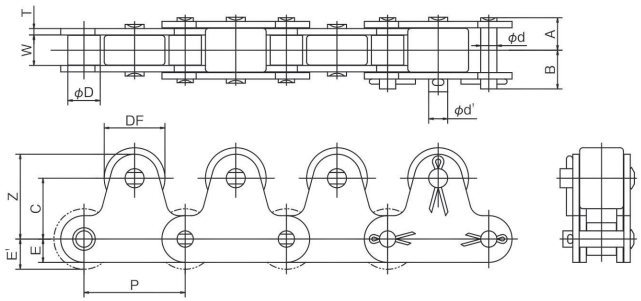
(Units: mm)

Chain No.	Pitch P	Inner Link Inner Width W	Roller Outer Diameter D	Pin Diameter d	Pin A	Pin B	Attachment Top Roller DF1	Attachment Top Roller DF2	Attachment C	Attachment Z	Attachment N	Attachment E	Approx. Mass (kg/m) Steel 1P	Steel 2P	Plastic 1P	Plastic 2P
KCM 40	12.70	7.95	7.92	3.97	8.07	9.48	11.0	15.88	12.7	17.45	9.5	5.9	1.83	1.41	0.92	0.85
KCM 50	15.875	9.53	10.16	5.09	10.17	11.63	15.0	19.05	15.9	22.25	12.7	7.3	2.39	2.18	1.56	1.38
KCM 60	19.05	12.70	11.91	5.96	12.70	14.20	18.0	22.23	18.3	26.25	15.9	8.8	3.60	3.18	2.30	2.03
KCM 80	25.40	15.88	15.88	7.94	16.15	19.25	24.0	28.58	24.6	34.15	19.1	11.5	6.09	5.27	3.90	3.44
KCM 100	31.75	19.05	19.05	9.54	20.10	23.05	30.0	39.69	31.8	44.50	25.4	14.5	9.30	8.85	6.06	5.41

Coupler links of 80 or more are cotter pin type.

KCM Double Pitch Chains with Top Roller

A chain with transportation rollers is installed above the center of the chain pitch and can be used for transport/ accumulation as chains with side rollers can.
Just as with side rollers, the top roller material is available in standard steel, engineered plastic or rubber tire.



(Units: mm)

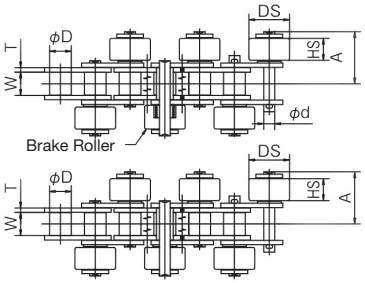
Chain No.	Pitch P	Inner Link Inner Width W	Roller Outer Diameter D	Pin Diameter d (d')	Pin A (A')	Pin B (B')	Attachment DF	Attachment C	Attachment Z	Attachment E (E')	Applied Load per Attachment (kg)
KCM C2040 KCM C2042	25.40	7.95	7.92 15.88	3.97 (5.09)	8.02 (8.3)	9.53 (10.2)	15.88	15.0	21.0	5.9 (7.9)	0.021
KCM C2050 KCM C2052	31.75	9.53	10.16 19.05	5.09 (5.96)	10.15 (10.35)	11.60 (13.05)	19.05	19.0	26.5	7.3 (9.5)	0.038
KCM C2060H KCM C2062H	38.10	12.70	11.91 22.23	5.96 (7.94)	14.25 (14.4)	15.75 (17.55)	22.23	23.0	32.0	8.8 (11.1)	0.080
KCM C2080H KCM C2082H	50.80	15.88	15.88 28.58	7.94 (11.11)	17.7 (17.9)	20.8 (22.2)	28.58	29.0	40.5	11.5 (14.3)	0.165
KCM C2100H KCM C2102H	63.50	19.05	19.05 39.67	9.54 (14.28)	21.72 (22.02)	24.68 (27.43)	39.69	35.4	49.7	14.5 (19.8)	0.340

Coupler links of C2080 or more are cotter pin type.

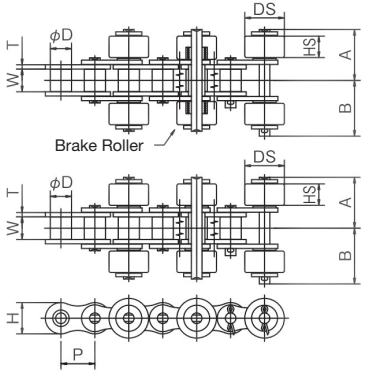
KCM Roller Chains with Side Roller Order-made Product

A chain used for an accumulating free roller that transports goods on a continuously running chain.
The simplicity of the return layout makes for a compact device.
The side roller material is available in steel, engineered plastic or rubber tire. Select depending on the type of objects transported.

1P Staggered Type



2P Parallel Type



(Units: mm)

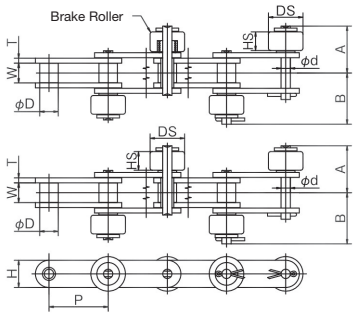
Chain No.	Pitch P	Inner Link Inner Width W	Roller Outer Diameter D	Pin			Side Roller		Added mass (kg) per side roller		
				Diameter d	A	B	DS	HS	Steel	Engineered Plastic	Rubber Tire
KCM 40	12.70	7.95	7.92	3.97	18.475	20.675	15.88	7.8	0.014	0.004	0.007
KCM 50	15.875	9.53	10.16	5.09	22.5	24.5	19.05	9.4	0.024	0.006	0.012
KCM 60	19.05	12.70	11.91	5.96	28.5	31.2	22.23	12.6	0.043	0.010	0.025
KCM 80	25.40	15.88	15.88	7.94	36.25	39.35	28.58	15.7	0.086	0.025	0.045
KCM 100	31.75	19.05	19.05	9.54	44.1	47.05	39.69	18.8	0.195	0.055	0.092

When using the KCM standard "B type" sprocket, the sprocket boss may contact the side rollers, causing it to ride up. KCM 40 = Up to 23T, KCM 50 = Up to 18T,
KCM 60 = Up to 13T, KCM 80 = 9T, 13T, 15T, KCM 100 = Up to 13T bosses are available.

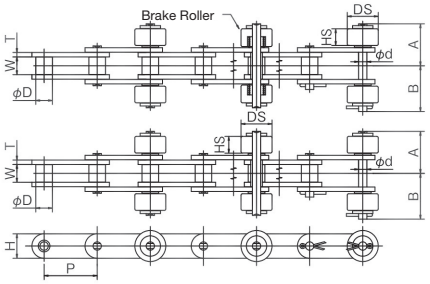
KCM Double Pitch Chains with Side Roller

Just as with side rollers, R roller type chain material is available in standard steel, engineered plastic or rubber tire.
Select depending on the objects to be transported or environment conditions.

1P Staggered Type



2P Parallel Type



(Units: mm)

Chain No.	Pitch P	Inner Link Inner Width W	Roller Outer Diameter D	Pin			Side Roller		Added mass (kg) per side roller		
				Diameter d	A	B	DS	HS	Steel	Engineered Plastic	Rubber Tire
KCM C2040 KCM C2042	25.40	7.95	7.92 15.88	3.97	18.475	20.675	15.88 23.0	7.8	0.014 0.029	0.004 0.007	0.007 0.016
KCM C2050 KCM C2052	31.75	9.53	10.16 19.05	5.09	22.5	24.5	19.05 27.0	9.4	0.024 0.050	0.006 0.013	0.012 0.030
KCM C2060H KCM C2062H	38.10	12.70	11.91 22.23	5.96	30.1	32.8	22.23 30.0	12.6	0.043 0.077	0.010 0.019	0.025 0.049
KCM C2080H KCM C2082H	50.80	15.88	15.88 28.58	7.94	37.85	40.95	28.58 38.1	15.7	0.086 0.150	0.025 0.038	0.045 0.095
KCM C2100H KCM C2102H	63.50	19.05	19.05 39.67	9.54	45.725	48.675	39.69 50.8	18.8	0.195 0.320	0.055 0.072	0.092 0.205

KCM Small Conveyor Chain Selection

Selection

Small conveyor chain selection cannot be determined across the board, but here a general procedure is described.

(1) Chain model initial selection
(2) Checking of allowable roller load
(3) Maximum tension operating on the chain
(4) Checking of chain size
(5) Chain size determination

Checking transport conditions

(1) Conveyor Types
(Slat, Top Roller, Carrier)
(2) Transport method (horizontal, vertical, inclined)
(3) Transported object weight and dimensions
(4) Transport volume, interval
(5) Conveyor speed
(6) Conveyor length
(7) Lubrication Y/N
(8) Transport atmosphere (temperature, humidity)

Chain model initial selection

T (kgf) = WT×f×K
T: Static Maximum Tension Operating on Chain
WT: Total Mass of Transported Objects Other Than Chain (kgf)
f: Frictional Coefficient (Refer to Table 4)
K: Speed Coefficient (Refer to Table 1)
If using 2 units in parallel, determine the chain model and size based on the maximum allowable tension with T x 0.6.

Table 1 Speed Coefficient

Chain Speed (m/min)	Speed Coefficient (K)
15 or less	1.0
15 - 30	1.2
30 - 50	1.4
50 - 70	1.6
70 - 90	2.2
90 - 110	2.8
110 - 120	3.2

Checking of allowable roller load

Keep the load acting on the rollers for loading type conveyors to values less than shown in Table 2 and Table 3.

Table 2 Body Roller Allowable Load

K.C.M Chain No.	Plastic Rollers R Roller	Steel Rollers	
		S Roller	R Roller
40, 2040, 2042	20	15	65
50, 2050, 2052	30	20	100
60, 2060, 2062	50	30	160
80, 2080, 2082	90	55	270

Unit: kgf/roller x 1

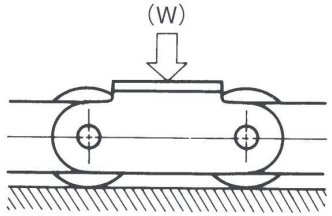
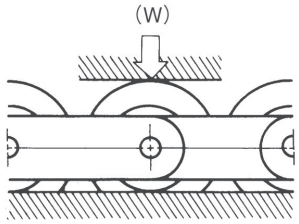


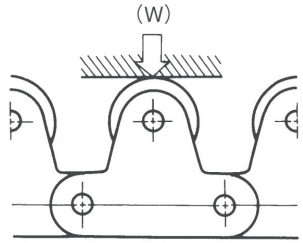
Table 3 Transport Roller Allowable Load

K.C.M Chain No.	Triple Speed Chain Roller	Side Roller		Top Roller	
		Plastic	Steel	Plastic	Steel
3 Type Carrier Chains, Triple Speed Chains	6	—	—	—	—
40, 2040, 2042, 4 Type Triple Speed Chains	14	5	15	5	15
50, 2050, 2052, 5 Type Triple Speed Chains	22	7	20	7	20
60, 2060, 2062, 6 Type Triple Speed Chains	36	10	30	10	30
80, 2080, 2082	—	18	55	18	55

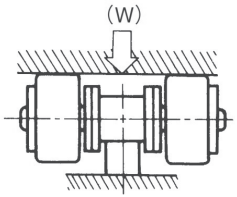
Unit: kgf/roller x 1



Triple Speed Chain Roller



Top Roller



Side Roller

KCM Heavy-Duty Chains

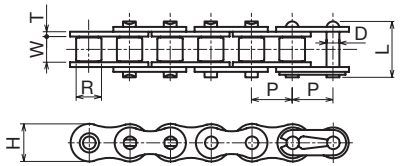
H-type

Order Product Code

KCM60H- 160 Links
10ft

Chain No.

Unit



They are chains which have even better strength than the ANSI H type thanks to link plates thicker than standard roller chains and rigid steel pins.

Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Width H	Pin Diameter D	Pin Length L	Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
KCM 40H	12.70	7.92	7.95	2.0	11.7	3.97	19.6	23.5(2,400)	3.92(400)
KCM 50H	15.875	10.16	9.53	2.4	14.6	5.09	23.4	36.2(3,700)	6.57(670)
KCM 60H-RP	19.05	11.91	12.70	3.2	17.5	5.96	30.0	50.0(5,100)	9.60(980)
KCM 80H-RP	25.40	15.87	15.88	4.0	23.0	7.94	38.5	89.2(9,100)	16.18(1,650)
KCM 100H-RP	31.75	19.05	19.05	4.8	28.9	9.54	46.4	128.5(13,100)	24.50(2,500)

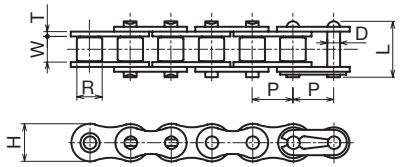
Chain No.	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 40H	40H-T	0.73	240L	3m	10
	40H-JL				100
	40H-OL				
KCM 50H	50H-T	1.43	192L	3m	5
	50H-JL				50
	50H-OL				
KCM 60H-RP	60H-RPT	1.77	160L	3m	5
	60H-JL				25
	60H-OL				
KCM 80H-RP	80H-RPT	2.96	120L	3m	3
	80H-JL				20
	80H-OL				
KCM 100H-RP	100H-RPT	4.17	96L	3m	1
	100H-JL				10
	100H-OL				

KCM High-Strength Type Stainless Steel (AS) Chains

Order Product Code

KCM40- SUS AS 240 Links 10ft

- KCM40- SUS AS: Chain No.
- 240 Links 10ft: Unit



Products with improved allowable tension by replacing pins and rollers of stainless steel chains with precipitation-hardened stainless steel.
Since they have maximum allowable tension 1.5 times higher than stainless steel chains, use them where the allowable tension of stainless chains is not sufficient.

Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Maximum Allowable Tension kN (kgf)
KCM 40-SUS AS	12.70	7.92	7.95	0.69(70)
KCM 50-SUS AS	15.875	10.16	9.53	1.03(105)
KCM 60-SUS AS	19.05	11.91	12.70	1.57(160)
KCM 80-RPSUS AS	25.40	15.87	15.88	2.65(270)

Caution
* Their corrosion resistance effectiveness is slightly lower than stainless steel chains. Can be used at -20°C to 400°C.
Note: Magnetized due to the use of precipitation-hardened stainless steel.
* The D/L/H dimensions are the same as the P.40 to P.43 Standard Roller Chains.

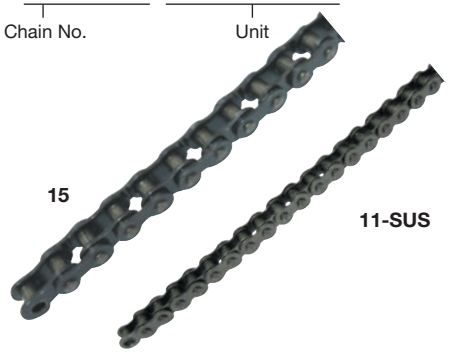
Chain No.	Product Code	No. of Links	Standard Issue	No. in Box (Quantity)
KCM 40-SUS AS	40-SUSAST	240L	3m	1
	40-SUSASJL			-
	40-SUSASOL			
KCM 50-SUS AS	50-SUSAST	192L	3m	1
	50-SUSASJL			-
	50-SUSASOL			
KCM 60-SUS AS	60-SUSAST	160L	3m	1
	60-SUSASJL			-
	60-SUSASOL			
KCM 80-RPSUS AS	80-RPASSUST	120L	3m	1
	80-SUSASJL			-
	80-SUSASOL			

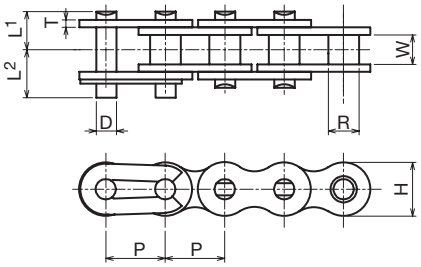
Micropitch Chains

Order Product Code

11-SUS-134 Links
15- 210 Links

Chain No. / Unit





Can be used for transmission of small equipment, vending machines, etc. Allows space-saving design.

Chain No.	Pitch P	Bushing Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Width H	Pin Diameter D	Pin Length L1	Pin Length L2	Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
11-SUS	3.7465	2.285	1.83	0.38	3.5	1.57	2.28	3.165	1.10(112)	0.05(5)
15	4.7625	2.48	2.38	0.60	4.3	1.62	3.050	3.850	2.26(230)	0.31(32)

Chain No.	Product Code	Approx. Weight g/m	No. of Links	Standard Issue	No. in Box (Quantity)
11-SUS	11–SUST	52	134L	0.5	1
	11–SUSJL				-
15	15–T	75	210L	1	1
	15–JL				-

Caution

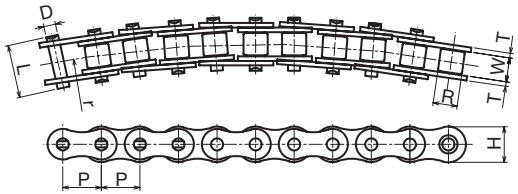
∗ There is no offset link for 11 and 15.

KCM Side Bow Chains

Order Product Code

KCM40SB- 240 Links
10ft

Chain No. / Unit



Side Bow Chains are chains whose side surface can recurve to an arc.
Curvilinear motion is easily possible by using KANA standard sprockets.
Use them for curvilinear transportation conveyors with attachments or curved roller conveyor driving.

Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Width H	Pin Diameter D	Pin Length L	Minimum Bending Radius r	Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
KCM 40SB	12.70	7.92	7.95	1.5	11.7	3.59	17.90	350	11.8(1,200)	1.86(190)
KCM 50SB	15.875	10.16	9.53	2.0	14.6	4.51	22.65	400	20.6(2,100)	2.84(290)
KCM 60SB	19.05	11.91	12.70	2.4	17.5	5.09	27.70	500	28.0(2,860)	4.02(410)

Chain No.	No. of Rows	Pin Type	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Quantity)
KCM 40SB	1	RP	40SB-T	0.60	240L	3m	10
			40SB-JL				100
KCM 50SB	1	RP	50SB-T	0.98	192L	3m	5
			50SB-JL				50
KCM 60SB	1	RP	60SB-T	1.38	160L	3m	5
			60SB-JL				25

Caution

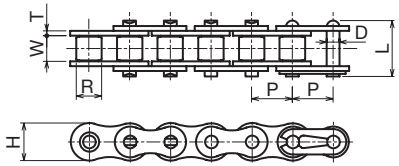
∗ There are no OL for Side Bow Chains.

KCM Rustop Chains

Order Product Code

KCM40- N 240 Links 10ft

Chain No. | Unit



Rustop Chains are glossy and beautiful chains with general corrosion resistance where special plating is implemented on standard steel chains. ∗ They are less expensive than stainless steel chains and are effective especially for environment friendly purposes.
∗ Their rupture strength is better than stainless steel chains.

Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Maximum Allowable Tension kN (kgf)
KCM 25-N	6.35	3.30	3.18	0.64(65)
KCM 35-N	9.525	5.08	4.78	1.84(190)
KCM 40-N	12.70	7.92	7.95	3.04(310)
KCM 50-N	15.875	10.16	9.53	5.39(550)
KCM 60-N	19.05	11.91	12.70	7.26(740)
KCM 80-RPN	25.40	15.88	15.88	12.7 (1,300)
KCM C2040-N	25.40	7.92	7.95	2.75(280)
KCM C2050-N	31.75	10.16	9.53	4.41(450)
KCM C2060H-N	38.10	11.91	12.70	6.28(640)

Caution
∗ The D/L/H dimensions are the same as the P.40 to P.43 Standard Roller Chains.
∗ Do not use Rustop Chains in places where chains may directly contact food or friction powder may get mixed into food.

Chain No.	No. of Rows	Pin Type	Product Code	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM 25-N	1	RP	25-NT	480L	3m	50
			25-NJL			100
			25-NOL			
KCM35-N	1	RP	35-NT	320L	3m	20
			35-NCS	8000L	76m	Reel Winding
			35-NJL			100
			35-NOL			
KCM40-N	1	RP	40-NT	240L	3m	10
			40-NJL			100
			40-NOL			
KCM50-N	1	RP	50-NT	192L	3m	5
			50-NJL			50
			50-NOL			
KCM60-N	1	RP	60-NT	160L	3m	5
			60-NJL			25
			60-NOL			
KCM80-RPN	1	RP	80-RPNT	120L	3m	3
			80-NJL			20
			80-NOL			
KCM C2040-N	1	--	C2040-NT	120L	3m	10
			C2040-NJL			50
			C2040-NOL			
KCM C2050-N	1	--	C2050-NT	96L	3m	5
			C2050-NJL			25
			C2050-NOL			
KCM C2060H-N	1	--	C2060H-NT	80L	3m	5
			C2060H-NJL			20
			C2060H-NOL			

KCM Hollow Pin Chains

Order Product Code

KCM40HP- 240 Links
10ft

Chain No.

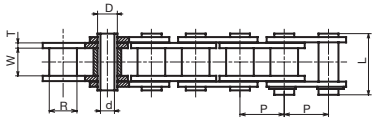
Unit

Standard Hollow Pin Roller Chain

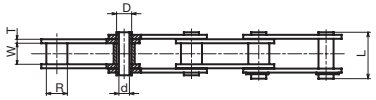
Double Pitch Hollow Pin Roller Chain

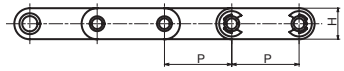
Stainless Steel Hollow Pin Roller Chains

Double Pitch Stainless Hollow Pin Roller Chains



Standard Hollow Pin Roller Chain





Double Pitch Hollow Pin Roller Chain

Hollow pin chains are chains connected with hollow pins.
Attachments can be easily mounted since pins are hollow.
The standards of hollow chains are the same as those of JIS standard roller chains or double pitch roller chains, and thus standard sprockets can be used.

Chain No.		Pitch P	Bushing Outside Diameter R	Inner Link Inner Width W	Link Plate		Pin			Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
Type	Roller Shape				Thickness T	Width H	Outer Diameter D	Inner Diameter d	Length L		
KCM 40HP	-	12.70	7.92	7.95	1.5	11.7	5.68	4.00	17.5	13.2(1,350)	1.77(180)
KCM 50HP	-	15.875	10.16	9.53	2.0	14.6	7.24	5.12	22.0	20.6(2,100)	3.14(320)
KCM 60HP	-	19.05	11.91	12.70	2.4	17.5	8.37	5.99	27.2	31.4(3,200)	4.22(430)
KCM C2040HP	S	25.40	7.92	7.95	1.5	11.7	5.68	4.00	17.5	13.2(1,350)	1.77(180)
KCM C2050HP	S	31.75	10.16	9.53	2.0	14.6	7.24	5.12	22.0	20.6(2,100)	3.14(320)
KCM C2060HP	S	38.10	11.91	12.70	2.4	17.5	8.37	5.99	27.2	31.4(3,200)	4.22(430)

Chain No.	Material	Roller Shape	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM40HP	Iron	-	40HP-T	0.51	240L	3m	10
			40HP-JL				100
KCM50HP	Iron	-	50HP-T	0.83	192L	3m	5
			50HP-JL				50
KCM60HP	Iron	-	60HP-T	1.24	160L	3m	5
			60HP-JL				25
KCM C2040HP	Iron	S	C2040HP-T	0.46	120L	3m	10
			C2040HP-JL				50
KCM C2050HP	Iron	S	C2050HP-T	0.76	96L	3m	5
			C2050HP-JL				25
KCM C2060HP	Iron	S	C2060HP-T	1.12	80L	3m	5
			C2060HP-JL				20
KCM40HP-SUS	Stainless Steel	-	40HP-SUST	0.51	240L	3m	10
			40HP-SUSJL				100
KCM50HP-SUS	Stainless Steel	-	50HP-SUST	0.83	192L	3m	5
			50HP-SUSJL				50
KCM60HP-SUS	Stainless Steel	-	60HP-SUST	1.24	160L	3m	5
			60HP-SUSJL				25
KCM C2040HP-SUS	Stainless Steel	S	C2040HP-SUST	0.46	120L	3m	10
			C2040HP-SUSJL				50
KCM C2050HP-SUS	Stainless Steel	S	C2050HP-SUST	0.76	96L	3m	5
			C2050HP-SUSJL				25
KCM C2060HP-SUS	Stainless Steel	S	C2060HP-SUST	1.12	80L	3m	5
			C2060HP-SUSJL				20

Caution

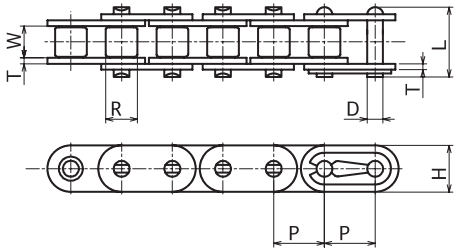
* There are no OL for Hollow Pin Chains.

KCM Oval Type Chains

Order Product Code

KCM40F- **240 Links**
KCM40F-SUS **10ft**

Chain No. Unit



"F" type oval type roller chains are standard roller chains with plates of an oval shape.
Ideal for not only general transmission but also carrying objects by directly mounting them on chains.

Oval Type Chains

Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Width H	Pin Diameter D	Pin Length L	Average Tensile Strength kN (kgf)	Maximum Allowable Tension kN (kgf)
KCM 40F	12.70	7.92	7.95	1.5	12.0	3.97	17.55	18.1(1,850)	3.63(370)
KCM 50F	15.875	10.16	9.53	2.0	14.6	5.09	21.75	29.9(3,050)	6.37(650)
KCM 60F	19.05	11.91	12.70	2.4	17.5	5.96	26.80	40.7(4,200)	8.83(900)
KCM 80F	25.40	15.87	15.88	3.2	23.0	7.94	35.25	72.6(7,400)	14.71(1,500)
KCM 100F-RP	31.75	19.05	19.05	4.0	28.9	9.54	43.15	112.8(11,500)	22.56(2,300)

Stainless Steel Oval Type Chains

Chain No.	Pitch P	Roller Outer Diameter R	Inner Link Inner Width W	Link Plate Thickness T	Link Plate Width H	Pin Diameter D	Pin Length L	Maximum Allowable Tension kN (kgf)
KCM 40F-SUS	12.70	7.92	7.95	1.5	12.0	3.97	17.65	0.44(45)
KCM 50F-SUS	15.875	10.16	9.53	2.0	14.6	5.09	21.80	0.69(70)
KCM 60F-SUS	19.05	11.91	12.70	2.4	17.5	5.96	26.90	1.03(105)

Caution

* There are no OL for oval type chains.

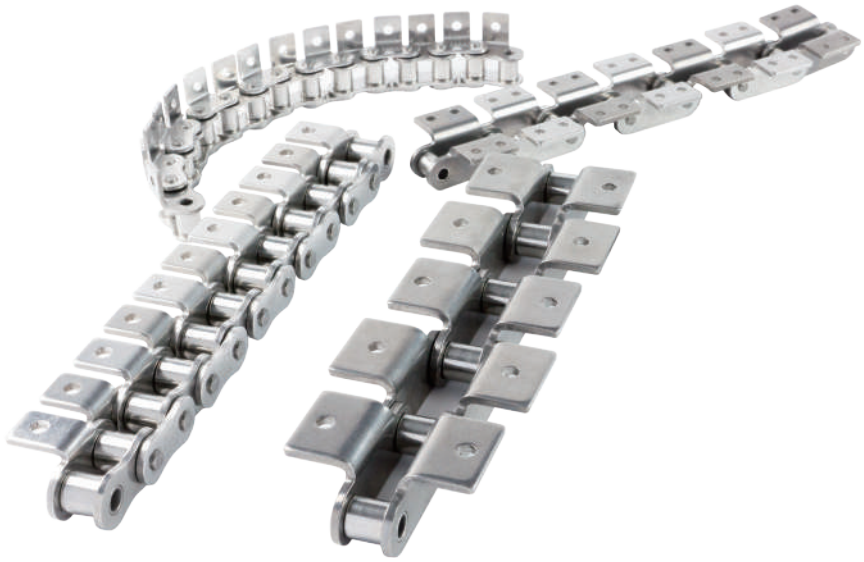
Chain No.	Material	Product Code	Approx. Weight kg/m	No. of Links	Standard Issue	No. in Box (Units or Items)
KCM40F	Iron	40F-T	0.72	240L	3m	10
		40F-JL				100
KCM50F	Iron	50F-T	1.20	192L	3m	5
		50F-JL				50
KCM60F	Iron	60F-T	1.78	160L	3m	5
		60F-JL				25
KCM80F	Iron	80F-T	2.97	120L	3m	3
		80F-JL				20
KCM100F-RP	Iron	100F-RPT	4.57	96L	3m	1
		100F-JL				10
KCM40F-SUS	Stainless Steel	40F-SUST	0.75	240L	3m	10
		40F-SUSJL				100
KCM50F-SUS	Stainless Steel	50F-SUST	1.23	192L	3m	5
		50F-SUSJL				50
KCM60F-SUS	Stainless Steel	60F-SUST	1.77	160L	3m	5
		60F-SUSJL				25

KCM Special Configuration Roller Chains with Attachments

An unlimited number of attachment combinations!

Supports a wide range of configurations. We provide JAPAN QUALITY KCM roller chains that meet the unique needs of our customers through rearranging configurations with KCT. We offer quick delivery of high quality and highly reliable roller chains.

Various attachment shapes × **Various configurations** = **Combinations are limitless**

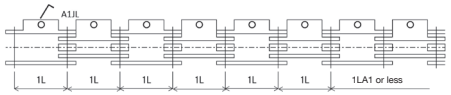


Shipped out as soon as five days after order is placed

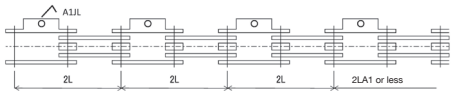
How can we ship so quickly?

1. We have our own assembly equipment on site, so we can quickly handle everything form the initial order to shipment in-house.
2. We keep each attachment in stock so that we can configure products immediately after receiving an order.
3. Everything is handled under Japanese management for peace of mind. Just leave it to us!

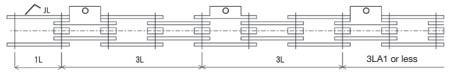
Special Configuration Attachments



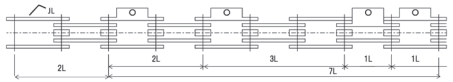
ALL
Attachments connected to all links



2L
Attachments connected every two links



3L
Attachments connected every three links



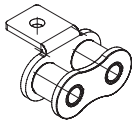
Special configuration
Can be combined in various configurations

◇ List of compatible roller chains and attachment shapes

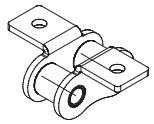
Iron	Stainless Steel	Attachment Shape							
		Single Blade				Double Blade			
		A1	A2	SA1	SA2	K1	K2	SK1	SK2
KCM35	KCM35SUS	○	×	○	×	○	×	○	×
KCM40	KCM40SUS	○	×	○	×	○	×	○	×
KCM50	KCM50SUS	○	×	○	×	○	×	○	×
KCM60	KCM60SUS	○	×	○	×	○	×	○	×
KCM80	KCM80SUS	○	×	○	×	○	×	○	×
KCM100	KCM100SUS	○	×	○	×	○	×	○	×
C2040	C2040-SUS	○	○	○	○	○	○	○	○
C2042	C2042-SUS	○	○	○	○	○	○	○	○
C2050	C2050-SUS	○	○	○	○	○	○	○	○
C2052	C2052-SUS	○	○	○	○	○	○	○	○
C2060H	C2060H-SUS	○	○	○	○	○	○	○	○
C2062H	C2062H-SUS	○	○	○	○	○	○	○	○
C2080H	C2080H-SUS	○	○	○	○	○	○	○	○
C2082H	C2082H-SUS	○	○	○	○	○	○	○	○
--	40SSP	○	×	○	×	○	×	○	×
--	50SSP	○	×	○	×	○	×	○	×
--	60SSP	○	×	○	×	○	×	○	×
--	80SSP	○	×	○	×	○	×	○	×

*Refer to P.46 to P.47 for information on SSP chains.

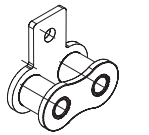
KCM Special Configuration Roller Chains with Attachments



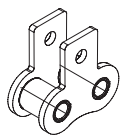
A-1 Attachment



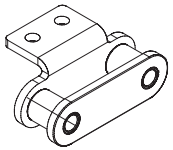
K-1 Attachment



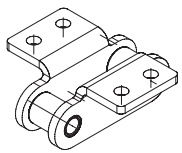
SA-1 Attachment



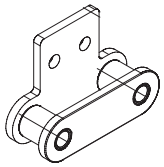
SK-1 Attachment



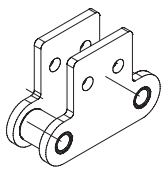
A-2 Attachment



K-2 Attachment

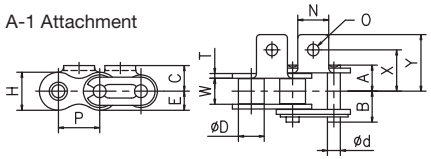


SA-2 Attachment

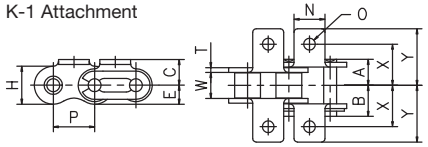


SK-2 Attachment

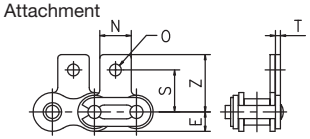
A-1 Attachment



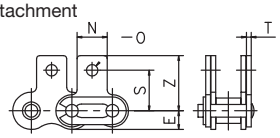
K-1 Attachment



SA-1 Attachment



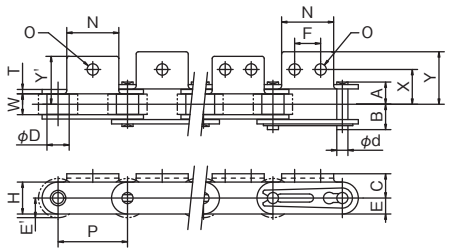
SK-1 Attachment



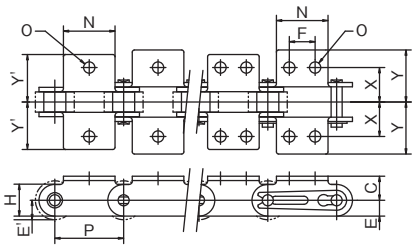
Chain No.	Attachment								Applied Load per Attachment (kg)	
	N	O	E	C	X	Y	S	Z	A,SA-1	K,SK-1
KCM35	7.9	3.4	4.4	6.35	9.5	13.8	9.5	14.25	0.0009	0.0018
KCM40	9.5	3.6	5.8	7.9	12.7	17.4	12.7	17.3	0.0014	0.0028
KCM50	12.7	5.2	7.3	10.3	15.9	22.3	15.9	22.3	0.0032	0.0062
KCM60	15.9	5.2	8.8	11.9	19.05	27.2	18.25	26.3	0.0056	0.012
KCM80	19.1	6.8	11.5	15.9	25.4	35.2	24.6	34.2	0.013	0.026
KCM100	25.4	8.7	14.4	19.85	31.75	44.7	31.75	44.1	0.025	0.05

*Stainless steel types have the same dimensions.

A-1 A-2 Attachment



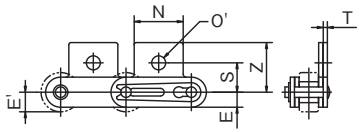
K-1 K-2 Attachment



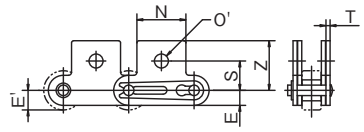
Chain No.	Attachment								Applied Load per Attachment (kg)	
	N	O	C	E (E')	X	Y	Y'	F	A-1, A-2	K-1, K-2
C2040	19.1	3.6	9.1	5.9 (7.9)	12.7	19.0	17.4	9.5	0.003	0.006
C2042										
C2050	23.8	5.2	11.1	7.3 (9.5)	15.9	24.0	21.9	11.9	0.007	0.014
C2052										
C2060H	28.6	5.2	14.7	8.8 (11.1)	21.45	31.8	28.4	14.3	0.016	0.032
C2062H										
C2080H	38.1	6.8	19.1	11.5 (14.3)	27.8	41.1	37.0	19.1	0.033	0.066
C2082H										

*Stainless steel types have the same dimensions.

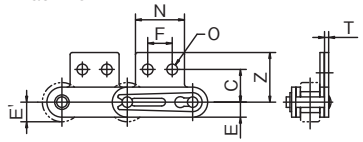
SA-1 Attachment



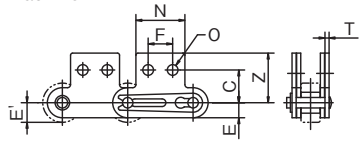
SK-1 Attachment



SA-2 Attachment



SK-2 Attachment



Chain No.	Attachment								Applied Load per Attachment (kg)	
	N	O	O'	C	S	E (E')	Z	F	SA-1, SA-2	SK-1, SK-2
C2040	19.1	3.6	5.2	13.5	11.1	5.9 (7.9)	19.75	9.5	0.003	0.006
C2042										
C2050	23.8	5.2	6.8	15.9	14.25	7.3 (9.5)	24.55	11.9	0.006	0.012
C2052										
C2060H	28.6	5.2	6.7	19.05	17.5	8.8 (11.1)	31.05	14.3	0.016	0.032
C2062H										
C2080H	38.1	6.8	10.3	25.4	22.2	11.5 (14.3)	40.8	19.1	0.031	0.062
C2082H										

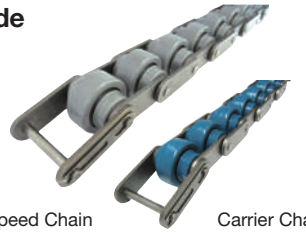
*Stainless steel types have the same dimensions.

Triple Speed/Carrier Chains

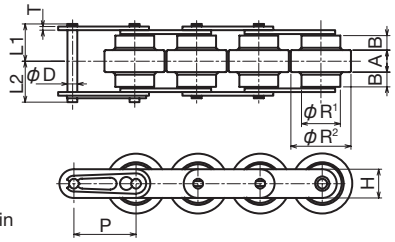
Order Product Code

CZ5-DNT

Chain No.



Triple Speed Chain



Carrier Chain

"Triple Speed Chain"
Chain speed can be approx. 1/2.5 of pallet speed thanks to special roller structure.
Optimal for lines with quietness issues when running.
Also, because of its superior post-accumulation rate launch responsiveness that is unobtainable with an ordinary free FL chain, it is optimal for lines that repeatedly stop and start and the like.
"Carrier Chain"
Greater stability of conveyed items is possible, as well as more compact running parts and return parts than before in comparison with conventional side rollers and top rollers. This is a new type of free-FL chain to be used in place of top rollers that allows for more stable conveyance than top rollers, thanks to the roller used for conveyance being positioned atop the pitch line.

Chain No.	Chain Pitch No.	Roller		Link Plate		Pin			A	B
		R^1	R^2	T	H	D	L^1	L^2		
CZ3-DNT	19.05	11.91	18.3	1.2	8.8	3.28	11.2	12.95	7	4.1
CZ4-DNT	25.40	15.88	24.6	1.5	11.7	3.97	15.2	16.75	9	6
CZ5-DNT	31.75	19.05	30	2	14.6	5.08	19.45	20.90	11.4	7
CZ6-DNT	38.10	22.23	36	3.2	17.5	5.95	23.75	25.25	15	7.5

◇ Triple Speed Chain (Regular specification)

m Special Plastic

Chain No.	TYPE	Pitch	Allowable Tension (kgf)	Operating Temperature	Speed Increase Ratio	Roller Color	No. of Unit Links
CZ3-DNT	3-Type	19.05	56	-10 - +80	2.54	Grey	160
CZ4-DNT	4-Type	25.40	90		2.55		120
CZ5-DNT	5-Type	31.75	140		2.57		96
CZ6-DNT	6-Type	38.10	210		2.62		80

◇ Carrier Chain (Regular specification)

m Special Plastic

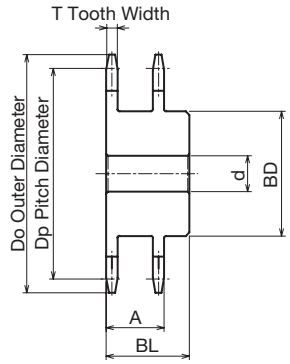
Chain No.	TYPE	Pitch	Allowable Tension (kgf)	Operating Temperature	Speed Increase Ratio	Roller Color	No. of Unit Links
CY3-DNT	3-Type	19.05	56	-10 - +80	1: 1	Blue	160
CY4-DNT	4-Type	25.40	90				120
CY5-DNT	5-Type	31.75	140				96
CY6-DNT	6-Type	38.10	210				80

Triple Speed/Carrier Sprockets

Order Product Code

C5B10N

Sprocket No.



m Carbon Structural Steel

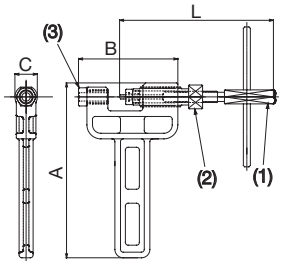
Sprocket No.	No. of Teeth	Dp	Do	T	Shaft Hole Diameter d			Boss		A
					Prepared hole	Minimum	Maximum	BD	BL	
C3B9N	9	55.698	63	3	10	11	21	33	22	15.3
C3B10N	10	61.647	68	3	13	14	23	37	25	15.3
C4B10N	10	82.196	93	4	16	17	33	52	40	21.5
C4B11	11	90.154	102	4	16	17	36	58	35	21.5
C4B12	12	98.138	110	4	16	17	41	65	35	21.5
C5B10N	10	102.746	117	5	16	17	41	66	45	27
C5B11	11	112.693	127	5	20	21	48	77	50	27
C5B12N	12	122.672	138	5	20	21	54	87	45	27
C6B10N	10	123.295	137	6	19	20	51	81	50	31
C6B11	11	135.232	150	6	20	21	50	80	50	31
C6B12	12	147.207	162	6	20	21	50	80	50	31

Chain Cutters

Order Product Code

CK5

Chain Cutter No.



Roller chain pins can be removed quickly and easily. Clamp the chain as you see in the picture, setting it in place with the holder. Then simply turn the cutter screw to rapidly remove the pin without damaging the chain. 13 types of chain cutters are available depending on the chain.

◇ Chain Cutters (CK2 to CK6, CK3W to CK5W) m S20C Equivalent S Black Oxide Finish

Chain Cutter No.	Chain in Use		A	B	C	Weight (g)
	JIS	Non-JIS Indicator				
CK2	25	219 270 05B	97	51	18	190
CK3	35	410 415 06B	97	51	18	190
CK4	40 41 C2040 C2042	420 425 428 08B	125	73	20	370
CK5	50 C2050 C2052	520 525 528 530	125	73	20	360
CK6	60 C2060H C2062H	630 640 12B	139	100	24	710
CK3W	2-Row 35	CZ3 CY3	125	73	20	370
CK4W	2-Row 40 C2040 C2042	CZ4 CY4	139	100	24	720
CK5W	2-Row 50 C2050 C2052	CZ5 CY5	139	100	24	710

Chain Cutter Components

◇ Cutter Pin (1)

Cutter Pin No.	L	Hex. Size
CKP2	81	8
CKP3	86	8
CKP4	109	10
CKP5	109	10
CKP6	138	12
CKP3W	116	10
CKP4W	141	12
CKP5W	154	12

◇ Cutter Pin Holder (2)

Cutter Pin Holder No.	Hex. Size
CKPH2	14
CKPH3	14
CKPH4	17
CKPH5	17
CKPH6	21
CKPH3W	17
CKPH4W	21
CKPH5W	21

◇ Cutter Holder (3)

Cutter Holder No.	Hex. Size
CKUH2	12
CKUH3	12
CKUH4	13
CKUH5	13
CKUH6	17
CKUH3W	13
CKUH4W	17
CKUH5W	17

Caution
•When cutter pin (1) is tightened as far as possible the lock is triggered and it will be difficult to return. Stop just when the chain pin has penetrated through.

For units larger than CK8-type (#80 chain) or CK6W-type (2-row #60 chain) the body should first be fixed into a vise etc. before continuing. Furthermore, these types have no handle for turning the cutter pin, so a spanner or wrench to suit the model number should be used.

◇Chain Cutters (CK8 to CK14, CK6W to CK8W)

Chain Cutter No.	Chain in Use		A	B	C	Weight (g)
	JIS	Non-JIS Indicator				
CK8	80 C2080H C2082H		98	121	36	1,170
CK10	100 C2100H		98	121	36	1,170
CK14	120 140		103	154	36	1,690
CK6W	2-Row 60	CZ6 CY6	98	121	36	1,190
CK8W	2-Row 80		103	154	36	1,810

Chain Cutter Components

◇ Cutter Pin (1)

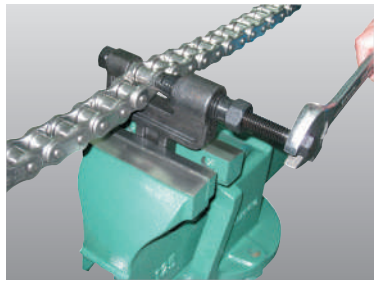
Cutter Pin No.	L	Hex. Size
CKP8	143	17
CKP10	152	17
CKP14	165	17
CKP6W	160	17
CKP8W	174	17

◇ Cutter Pin Holder (2)

Cutter Pin Holder No.	Hex. Size
CKPH8	27
CKPH10	27
CKPH14	27
CKPH6W	24
CKPH8W	27

◇ Cutter Holder (3)

Cutter Holder No.	Hex. Size
CKUH8	21
CKUH10	21
CKUH14	27
CKUH6W	21
CKUH8W	27



∗ A handle for the cutter pin is not included, so please use a suitable spanner or wrench that matches the size. Use after fixing the unit within a vise etc.

Caution
•For CK8-types or larger, first shave off the head of the chain pin with a grinder etc. before continuing.
•For units larger than CK8-type or CK6W-type, the body should first be fixed into a vise etc. (not included) before continuing. Furthermore, these types have no handle for turning the cutter pin, so a spanner or wrench to suit the model number should be used.
•When cut the chain pin will remain in the chain plate and will not fall.

(1) Cutter Pin
CKP6W

CKP8∗

∗At No.8 or larger, the pin shape changes.

(2) Cutter Pin Holder
CKPH6W

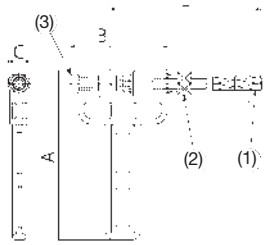
(3) Cutter Holder
CKUH6W

Chain Cutter Set Products

Order Product Code

CK23A

Chain Cutter Set No.



A range of great-value chain cutter sets that are very easy to use have recently been introduced for widespread use with various component pairs by targeted number.
They are stored within a dedicated aluminum casing for convenient portability.

∗ CKA handles are short
∗ Dedicated tools for (1)(2)(3) are included

◇ Chain Cutter Sets

m S20C Equivalent S Black Oxide Finish

TYPE	Chain in Use JIS	Chain in Use Non-JIS Indicator	A	B	C	Weight kg (Incl. Case)
CK23A	25	219 270 05B	97	51	18	0.93
	35	410 415 06B				
CK345A	35		125	73	20	1.35
	40 41 C2040 C2042	420 425 428 08B				
	50 C2050 C2052	520 525 528 530				
CK456A	40 2-Row 40 C2040 C2042	420 425 428 CZ4 CY4	139	100	24	1.81
	50 2-Row 50 C2050 C2052	520 525 528 530 CZ5 CY5				
	60 C2060H C2062H	630 640 12B				

Chain Cutter Components

◇ Cutter Pin (1)

Cutter Pin No.	L
CKP2A	81
CKP3A	86
CKP4A	109
CKP5A	109
CKP6A	138
CKP3WA	116
CKP4WA	141
CKP5WA	154

◇ Cutter Pin Holder (2)

Cutter Pin Holder No.
CKPH2
CKPH3
CKPH4
CKPH5
CKPH6
CKPH3W
CKPH4W
CKPH5W

◇ Cutter Holder (3)

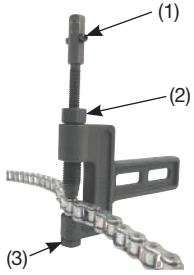
Cutter Holder No.
CKUH2
CKUH3
CKUH4
CKUH5
CKUH6
CKUH3W
CKUH4W
CKUH5W

Caution
•When cutter pin (1) is tightened as far as possible the lock is triggered and it will be difficult to return. Stop just when the chain pin has penetrated through.

Applicable Components List

Chain Cutter Set No.	Unit Details JIS	Unit Details Non-JIS Indicator	Applicable Components	Set Products With Aluminum Case Pin CKPA	Pin holder CKPH	Receiver holder CKUH	Included Tool
CK23A	25	219 270 05B	Component Number	CKP2A	CKPH2	CKUH2	Ratchet wrench 8 Wrench 12-14
			Hex. Size	8	14	12	
	35	410 415 06B	Component Number	CKP3A	CKPH3	CKUH3	
			Hex. Size	8	14	12	
CK345A	35	420 425 428 08B	Component Number	CKP3WA	CKPH3W	CKUH3W	Ratchet wrench 10 Wrench 13 Wrench 17
			Hex. Size	10	17	13	
	40 41 C2040 C2042		Component Number	CKP4A	CKPH4	CKUH4	
			Hex. Size	10	17	13	
	50 C2050 C2052	520 525 528 530	Component Number	CKP5A	CKPH5	CKUH5	
			Hex. Size	10	17	13	
CK456A	40 2-Row 40 C2040 C2042	420 425 428 CZ4 CY4	Component Number	CKP4WA	CKPH4W	CKUH4W	Ratchet wrench 12 Wrench 17-19
			Hex. Size	12	19	17	
	50 2-Row 50 C2050 C2052	520 525 528 530 CZ5 CY5	Component Number	CKP5WA	CKPH5W	CKUH5W	
			Hex. Size	12	19	17	
	60 C2060H C2062H	630 640 12B	Component Number	CKP6A	CKPH6	CKUH6	
			Hex. Size	12	19	17	

Use Examples



(1) Cutter Pin
(2) Pin Holder
(3) Receiver Holder

(1) Cutter Pin

(2) Pin Holder

(3) Receiver Holder

Precautions

1) Confirm before use whether each cutting component is compatible with the targeted chain number.
2) When cutting a chain that uses differing components, any of the components, chain or body may be damaged.

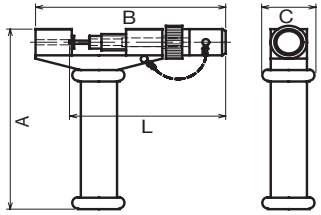
◎ For the dedicated chain cutters for a chain number, refer to P.98 to P.99

Straight Punch Chain Cutters

Order Product Code

ST25
Straight Punch Chain Cutter No.

ST25PIN
Straight Punch Chain Cutter Pin No.



Fix the roller chain as shown in the figure and hit the pin removal head with a hammer to remove the chain pin.

◇ Straight Punch Chain Cutter

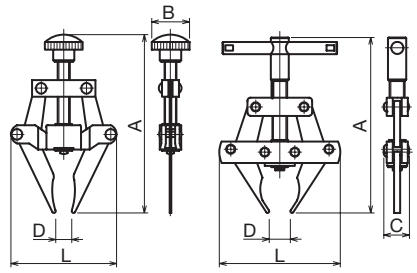
Chain Cutter No.	Chain in Use	A	B	C
ST 25	25	180	130	40
ST 35-40	35 - 40	180	130	40
ST 50	50	180	150	39
ST 60	60	180	150	40
ST 80	80	190	200	40
ST 100	100	190	200	40

Pin No.	L
ST 25 PIN	115
ST 35-40 PIN	121
ST 50 PIN	131
ST 60 PIN	134
ST 80 PIN	175
ST100 PIN	182

Chain Pullers/Chain Detachers

Order Product Code CPL35

Chain Puller No.



CPL35 CPL60/80

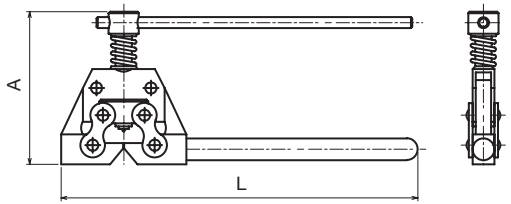
Used when connecting a chain as shown in the figure. Designed to be used quickly and easily.

◇ Chain Pullers

Chain Puller No.	Chain in Use	A MAX	B	C	D	L	Weight (g)
CPL 35	35 - 60	118	25	--	7 - 45	70	159
CPL 60	60 - 100	185	--	25	10 - 57	110	650
CPL 80	80 - 240	250	--	25	23 - 135	145	1,000

Order Product Code DT60

Chain Detacher No.



Makes cutting the chain easy by detaching the roller chain plate and pin.

◇ Chain Detachers

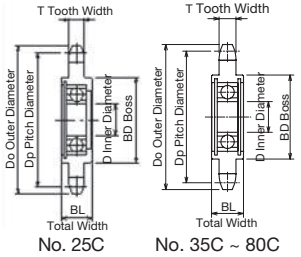
Chain Detacher No.	Chain in Use	A	L	Weight (g)
DT 60	35 - 60	80	185	390
DT 100	60 - 100	110	300	1,020

Idler Sprockets

Order Product Code

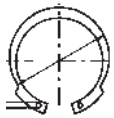
ID 40C 15 D15

TYPE — No. — No. of Teeth — Sprocket No. — D



<KANA Idler Sprocket Features>

1. Double snap rings used
   (No.25C is a one-sided snap ring specification)
   (Can be easily extracted or pressed in without damaging the bearings, convenient for plating or other surface processing.)
2. Snap rings used that do not interfere with stepped shaft



m Carbon Structural Steel
h No. 35C ~ 80C
High-frequency Hardened Teeth
(Only No. 25C is without High-frequency Hardened Teeth)

TYPE	No.	No. of Teeth	D	Do	Dp	T	BD	BL	Bearing No.	Weight kg
ID	25C	17	6	38	34.558	2.8	27	12	606ZZ	0.05
		19	8	42	38.580		31	13	608ZZ	0.05
			10						6900ZZ	0.06
		20	12	44	40.592		33	13	6901ZZ	0.08
	35C	16	10	54	48.824	4.3	38	14	6000ZZ	0.11
			12						6001ZZ	0.10
		18	15	60	54.852		44	17	6202ZZ	0.16
		21	17	69	63.908		53	19	6203ZZ	0.24
		25	20	81	75.997		60	21	6204ZZ	0.33
	40C	13	10	59	53.068	7.2	38	14	6000ZZ	0.15
			12						6001ZZ	0.14
		15	15	67	61.084		44	17	6202ZZ	0.19
		17	17	76	69.116		53	19	6203ZZ	0.30
		19	20	84	77.159		60	21	6204ZZ	0.40
	50C	12	12	69	61.336	8.7	43	16	6201ZZ	0.21
		13	15	74	66.335		44	17	6202ZZ	0.23
		15	17	84	76.355		53	19	6203ZZ	0.37
		17	20	94	86.395		60	21	6204ZZ	0.49
	60C	11	12	76	67.617	11.7	44	16	6201ZZ	0.26
			15					17	6202ZZ	0.27
		13	17	89	79.602		53	19	6203ZZ	0.46
		14	20	95	85.610		60	21	6204ZZ	0.56
	80C	9	15	85	74.265	14.6	44	17	6202ZZ	0.38
		10	17	93	82.196		52	19	6203ZZ	0.57
		11	20	102	90.156		60	21	6204ZZ	0.69

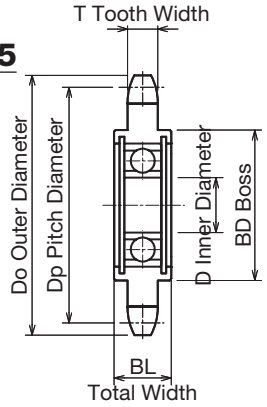
Caution ∗ The bearing is located in the center of the sprocket.

SUS Idler Sprockets

Order Product Code

SUSID 40C 15 D15

TYPE — No. — No. of Teeth — Sprocket No. — D



The KANA standard SUS (stainless steel) idler sprocket holds tension at the appropriate level during roller chain transmission. This product is made of stainless steel having excellent corrosion resistance and durability. The stainless steel bearing is located in the center of the sprocket.

m Stainless Steel GB 304

TYPE	No.	No. of Teeth	D	Do	Dp	T	BD	BL	SUS Bearing No.	Weight kg
SUSID	35C	16	10	54	48.824	4.3	38	14	6000ZZ	0.12
			12						6001ZZ	0.11
		18	15	60	54.852		44	17	6202ZZ	0.17
		21	17	69	63.908		53	19	6203ZZ	0.25
		25	20	81	75.997		60	21	6204ZZ	0.34
	40C	13	10	59	53.068	7.2	38	14	6000ZZ	0.16
			12						6001ZZ	0.15
		15	15	67	61.084		44	17	6202ZZ	0.20
		17	17	76	69.116		53	19	6203ZZ	0.31
		19	20	84	77.159		60	21	6204ZZ	0.41
	50C	12	12	69	61.336	8.7	43	16	6201ZZ	0.22
		13	15	74	66.335		44	17	6202ZZ	0.24
		15	17	84	76.355		53	19	6203ZZ	0.38
		17	20	94	86.395		60	21	6204ZZ	0.50
	60C	11	12	76	67.617	11.7	44	16	6201ZZ	0.27
			15					17	6202ZZ	0.28
		13	17	89	79.602		53	19	6203ZZ	0.47
		14	20	95	85.610		60	21	6204ZZ	0.57
	80C	9	15	85	74.265	14.6	44	17	6202ZZ	0.39
		10	17	93	82.196		52	19	6203ZZ	0.58
		11	20	102	90.156		60	21	6204ZZ	0.70

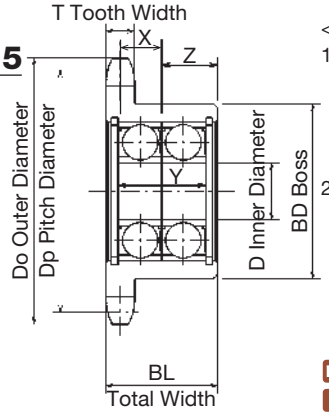
Caution ∗ The bearing is located in the center of the sprocket.

B-type Double Idler Sprockets

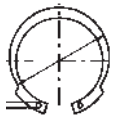
Order Product Code

WID 40B 15 D15

TYPE / No. / No. of Teeth / Sprocket No. / D



<KANA Idler Sprocket Features>
1. Double snap rings used (Can be easily extracted or pressed in without damaging the bearings, convenient for plating or other surface processing.)
2. Snap rings used that do not interfere with stepped shaft



m Carbon Structural Steel
h High-frequency Hardened Teeth

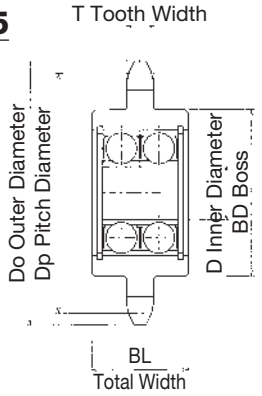
TYPE	No.	No. of Teeth	D	Do	Dp	T	BD	BL	Bearing Center Z from Boss End Face	Eccentricity X	Bearing No.	Total Bearing Width Y	Weight kg
WID	35B	16	10	54	48.824	4.3	38	22	11	8.85	6000ZZ	16	0.14
			12								6001ZZ		0.15
		18	15	60	54.852		44	28	14	11.85	6202ZZ	22	0.23
		21	17	69	63.908		53	31	15.5	13.35	6203ZZ	24	0.32
		25	20	81	75.997		60	35	17.5	15.35	6204ZZ	28	0.46
	40B	13	10	59	53.068	7.2	38	22	11	7.4	6000ZZ	16	0.19
			12								6001ZZ		0.18
		15	15	67	61.084		44	28	14	10.4	6202ZZ	22	0.27
		17	17	76	69.116		53	31	15.5	11.9	6203ZZ	24	0.39
		19	20	84	77.159		60	35	17.5	13.9	6204ZZ	28	0.59
	50B	12	12	69	61.336	8.7	43	26	13	8.65	6201ZZ	20	0.27
		13	15	74	66.335		44	28	14	9.65	6202ZZ	22	0.31
		15	17	84	76.355		53	31	15.5	11.15	6203ZZ	24	0.46
		17	20	94	86.395		60	35	17.5	13.15	6204ZZ	28	0.66
	60B	11	12	76	67.617	11.7	44	26	13	7.15	6201ZZ	20	0.35
			15					28	14	8.15	6202ZZ	22	0.36
		13	17	89	79.602		53	31	15.5	9.65	6203ZZ	24	0.56
		14	20	95	85.610		60	35	17.5	11.65	6204ZZ	28	0.70
	80B	9	15	85	74.265	14.6	44	28	14	6.7	6202ZZ	22	0.46
		10	17	93	82.196		53	31	15.5	8.2	6203ZZ	24	0.62
		11	20	102	90.156		60	35	17.5	10.2	6204ZZ	28	0.80

C-type Double Idler Sprockets

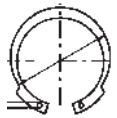
Order Product Code

WID 40C 15 D15

TYPE / No. / No. of Teeth / Sprocket No. / D



<KANA Idler Sprocket Features>
1. Double snap rings used (Can be easily extracted or pressed in without damaging the bearings, convenient for plating or other surface processing.)
2. Snap rings used that do not interfere with stepped shaft



m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No.	No. of Teeth	D	Do	Dp	T	BD	BL	Bearing No.	Weight kg
WID	35C	16	10	54	48.824	4.3	38	22	6000ZZ	0.13
			12						6001ZZ	0.12
		18	15	60	54.852		44	28	6202ZZ	0.21
		21	17	69	63.908		53	31	6203ZZ	0.31
		25	20	81	75.997		60	35	6204ZZ	0.44
	40C	13	10	59	53.068	7.2	38	22	6000ZZ	0.17
			12						6001ZZ	0.16
		15	15	67	61.084		44	28	6202ZZ	0.25
		17	17	76	69.116		53	31	6203ZZ	0.37
		19	20	84	77.159		60	35	6204ZZ	0.51
	50C	12	12	69	61.336	8.7	43	26	6201ZZ	0.25
		13	15	74	66.335		44	28	6202ZZ	0.28
		15	17	84	76.355		53	31	6203ZZ	0.44
		17	20	94	86.395		60	35	6204ZZ	0.60
	60C	11	12	76	67.617	11.7	44	26	6201ZZ	0.30
			15					28	6202ZZ	0.32
		13	17	89	79.602		53	31	6203ZZ	0.53
		14	20	95	85.610		60	35	6204ZZ	0.67
	80C	9	15	85	74.265	14.6	44	28	6202ZZ	0.43
		10	17	93	82.196		52	31	6203ZZ	0.64
		11	20	102	90.156		60	35	6204ZZ	0.80

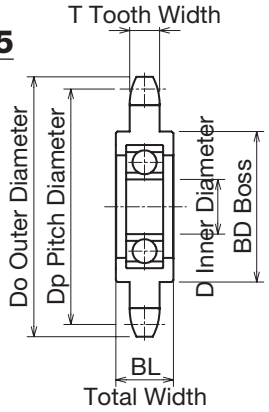
Caution
* The bearing is located in the center of the sprocket.

Plastic Idler Sprockets

Order Product Code

EPID 40C 15 D15

TYPE — No. — No. of Teeth — Sprocket No. — D



Universal plastic/polyamide resin 6 nylon is used for this idler sprocket to reduce weight and noise.
Operating temperature: -10 to +80°C

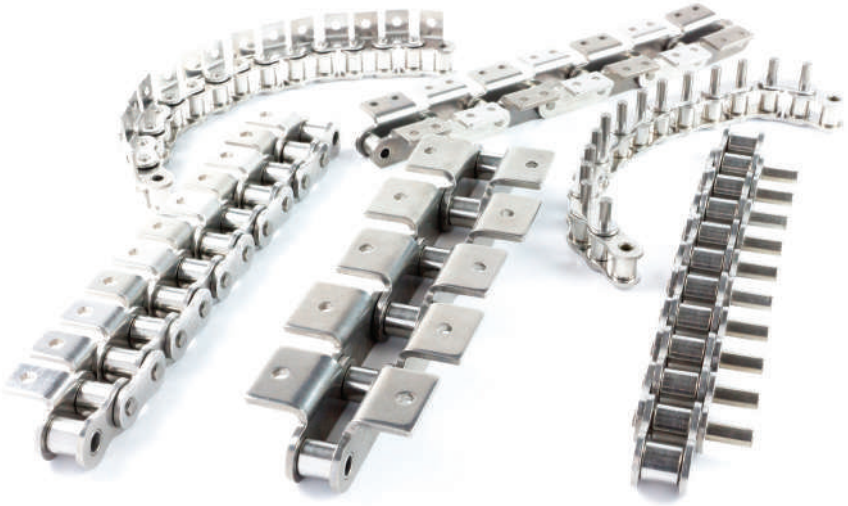
m 6 nylon

TYPE	No.	No. of Teeth	D	Do	Dp	T	BD	BL	Bearing No.	Weight kg
EPID	35C	18	15	60	54.852	4.3	42	17	6202ZZ	0.07
	40C	15	15	67	61.084	7.2	42	17	6202ZZ	0.07
	50C	13	15	74	66.335	8.7	42	17	6202ZZ	0.08
	60C	11	15	76	67.617	11.7	42	17	6202ZZ	0.09

Caution

∗ The bearing is located in the center of the sprocket.

MEMO



KANA Tensioner Series Introduction

Product Image	Product Name	Applicable Roller Chain No. For Single Rows					
		35	40	50	60	80	**100**
	(TSBW) Straight Tension	○	○	○	○	○	–

Features
Has adjustable tension up to a maximum of 75 mm for loosening M10 and M8 wedge nuts, turning moving screws (with M8 hex sockets) and tightening and fixing loose wedge nuts. By removing the attached sprocket wheel and mounting a pulley, it can also be used as a tensioner, except for belt tension and roller chains.

Product Image	Product Name	Applicable Roller Chain No. For Single Rows					
		35	40	50	60	80	**100**
	(TMB) Tensioners	○	○	○	○	○	–

Features
The built-in spring automatically adjusts chain elongation so the appropriate amount of tension can be retained on a regular basis. Set the tension slightly on the weak side as a rule, reducing the load on the chain; in the case of strong vibration or impact, the check groove and action spring operate to apply a checking force that shuts out chain slack.

Product Image	Product Name	Applicable Roller Chain No. For Single Rows					
		35	40	50	60	80	**100**
	(THB) Tight-Holders	○	○	○	○	○	–

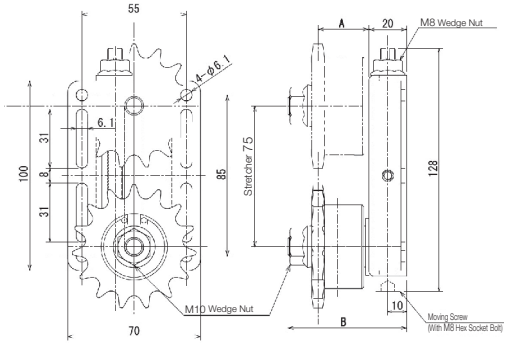
Features
Use of an eccentric pin on this chain tensioner enables severe position adjustments (50mm) to be performed with ease.

Straight Tension

Order Product Code

TSBW40B17D17

Straight Tension No.



KANA Straight Tension has adjustable tension up to a maximum of 75 mm for loosening M10 and M8 wedge nuts, turning moving screws (with M8 hex sockets) and tightening and fixing loose wedge nuts. By removing the attached sprocket wheel and mounting a pulley, it can also be used as a tensioner, except for belt tension and roller chains.
We recommend the use of the Straight Tension to increase transmission efficiency and maintain the service life of the chain.

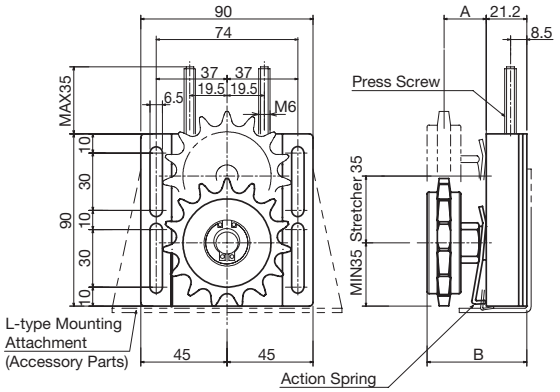
Straight Tension No.	Applicable Roller Chains	ID Adapters Part No.	Idler Sprockets				Weight (kg)
			Part No.	No. of Teeth	A	B	
TSBW35B16D12	JIS35	AD6001	WID35B16D12	16	24	58	0.52
TSBW35B18D15	JIS35	AD6202	WID35B18D15	18	30	68	0.62
TSBW35B21D17	JIS35	AD6203	WID35B21D17	21	33	68	0.72
TSBW35B25D20	JIS35	AD6204	WID35B25D20	25	36	70	0.92
TSBW40B13D12	JIS40	AD6001	WID40B13D12	13	22	58	0.56
TSBW40B15D15	JIS40	AD6202	WID40B15D15	15	29	68	0.67
TSBW40B17D17	JIS40	AD6203	WID40B17D17	17	32	68	0.79
TSBW40B19D20	JIS40	AD6204	WID40B19D20	19	34	70	1.05
TSBW50B12D12	JIS50	AD6201	WID50B12D12	12	25	63	0.65
TSBW50B13D15	JIS50	AD6202	WID50B13D15	13	28	68	0.7
TSBW50B15D17	JIS50	AD6203	WID50B15D17	15	31	68	0.86
TSBW50B17D20	JIS50	AD6204	WID50B17D20	17	33	70	1.12
TSBW60B11D15	JIS60	AD6202	WID60B11D15	11	26	68	0.76
TSBW60B13D17	JIS60	AD6203	WID60B13D17	13	30	68	0.96
TSBW60B14D20	JIS60	AD6204	WID60B14D20	14	32	70	1.16
TSBW80B9D15	JIS80	AD6202	WID80B9D15	9	25	68	0.86
TSBW80B10D17	JIS80	AD6203	WID80B10D17	10	28	68	1.02
TSBW80B11D20	JIS80	AD6204	WID80B11D20	11	30	70	1.26

Tensioner TM Series

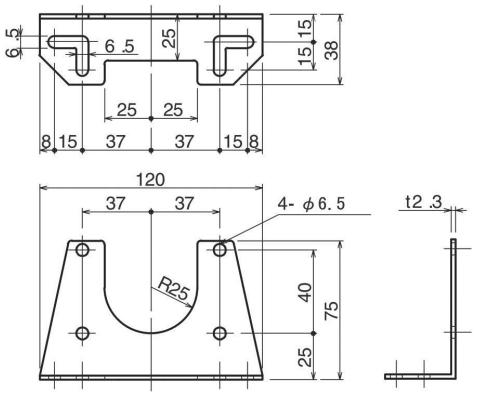
Order Product Code

TMB60

Tensioner No.



TMB



Chain stretch causes transmission efficiency to drop. It also accelerates chain and sprocket wear and shortens service life.
The KANA Tensioner automatic tension type is provided with a standard idler and is operated by a built-in spring.

◇ Tensioner TMB Type (w/ Standard Idler Sprocket)

Tensioner No.	Applicable Roller Chains	A	B	Weight (g)
TMB-35	JIS35	22	52	740
TMB-40	JIS40	22	52	780
TMB-50	JIS50	22	52	820
TMB-60	JIS60	22	52	872
TMB-80	JIS80	22	52	962

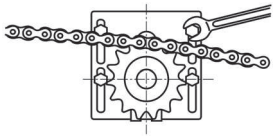
◎ Tensioner Features

- The built-in spring automatically adjusts chain elongation so the appropriate amount of tension can be retained on a regular basis.
- The built-in spring structure adjusts the pressure with push screws, so that pressure adjustment is possible even after setting or after use.

Installation on the chain tension side is not possible.
Forward/reverse rotation drive chains and other cases when the chain tension side is used function the same way.

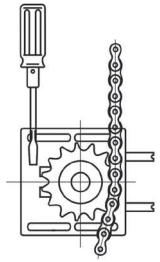
◎ Mounting Method

(1) Secure the body case



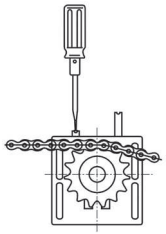
Place the idler on the chain and fasten the body case positioning bolt to secure in place.

(2) Release the stopper spring



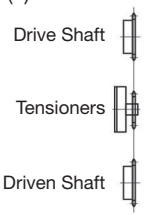
Remove the action springs hooked on the case feet in 2 places with a flathead screwdriver.

(3) Adjust the push screws



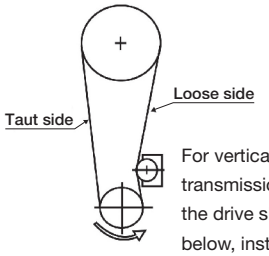
There are 2 push screws on the top of the unit which can be tightened on one side or on both with a flathead screwdriver to increase the tension.

(4)



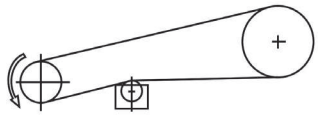
Make sure that the existing sprocket shaft and the tensioner shaft are parallel and that each sprocket is in the same plane.

◎Use Examples

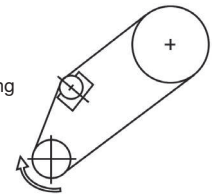


For vertical transmission where the drive shaft is below, install near the drive sprocket.

Parallel or inclined transmission is mounted near the center.
Use multiple units if the spanned length is long.



If the shaft is inclined or vertical and exterior mounting is impossible, then it can be mounted on the interior as per the figure.

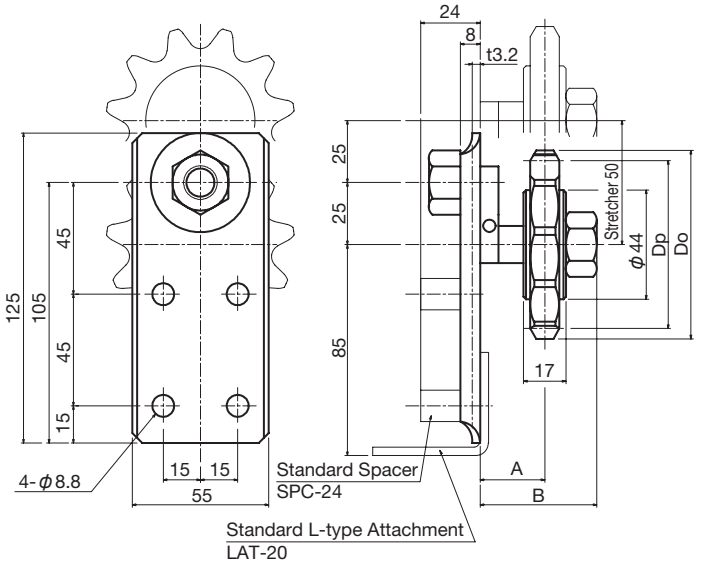


Tight-Holder THB Series

Order Product Code

THB35

Tight-Holder No.



Use of an eccentric pin on this chain tensioner enables severe adjustments to be performed with ease. We recommend use of Tight-Holder to increase chain transmission efficiency and maintain the service life of the chain.

◇ THB (w/ Standard Idler Sprocket)

Tight-Holder No.	Applicable Roller Chains	Idler Sprockets		A	B	Weight (kg)
		Do	Dp			
THB 35	JIS35	60	54.85	26	47	0.56
THB 40	JIS40	67	61.08	26	47	0.59
THB 50	JIS50	74	66.34	26	47	0.63
THB 60	JIS60	76	67.62	26	47	0.67
THB 80	JIS80	85	74.26	30	51	0.78

Caution

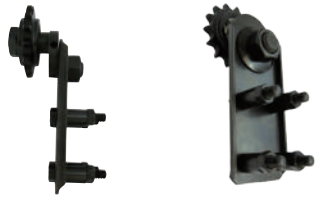
∗ The allowable load of the L-type attachment is used for the Idler Sprocket. This is max. 40 kg. with a vertical load.

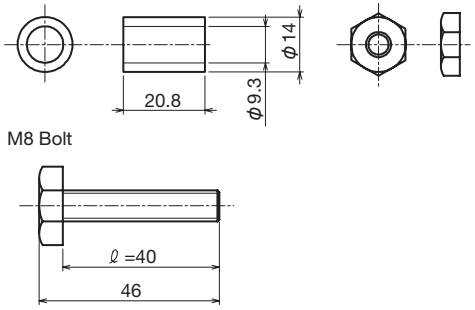
◇ Spacer SPC-24 Set Product

Order Product Code

THB35SPC

w/ Spacer No.





◇ Spacer Only

Order Product Code

SPC-24

Spacer No.

Spacer No.
SPC-24

◇ Tight-Holder w/ Spacer

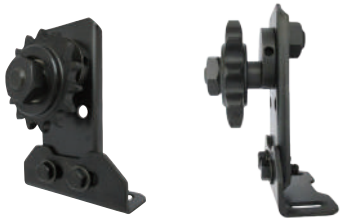
Tight-Holder w/ Spacer No.
THB 35 SPC
THB 40 SPC
THB 50 SPC
THB 60 SPC
THB 80 SPC

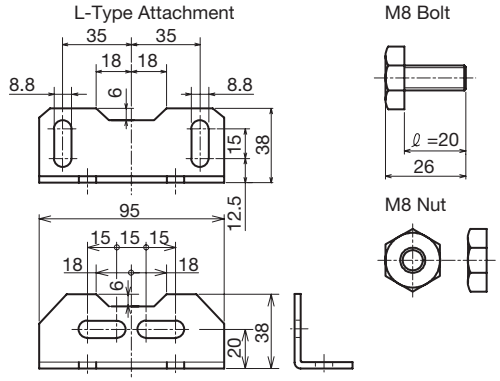
◇ L-Type Attachment LAT-20 Set Product

Order Product Code

THB35LAT

w/ L-Type Attachment No.





◇ L-Type Attachment Only

Order Product Code

LAT-20

L-Type Attachment No.

L-Type Attachment No.
LAT-20

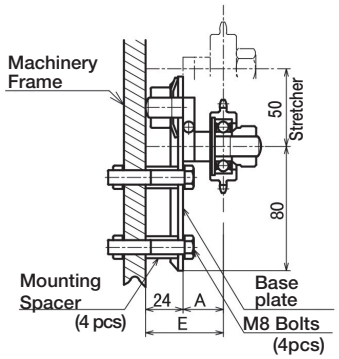
◇ Tight-Holder w/ L-Type Attachment

Tight-Holder L-Type with Attachment No.
THB 35 LAT
THB 40 LAT
THB 50 LAT
THB 60 LAT
THB 80 LAT

Tight-Holder THB Series

◎ Mounting Method

◇ Tight-Holder w/ Spacer (SPC Type) Mounting Method

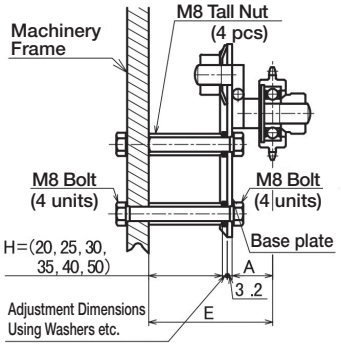


Dimension Table mm

Model Number \ Dimensions	E	A
THB35～60SPC	**50**	**26**
THB80SPC	**54**	**30**

The dimension E above cannot be smaller than the listed size.
(The pin fixing nut interferes with the mounting surface.)
If dimension E is made larger than the listed size, insert a spacer washer between the mounting spacer and base plate.
Dimension E must match the chain running center, so select the washer thickness carefully.

◇ Mounting Method When Using a Tall Nut (Commercial Product)



Dimension Table mm

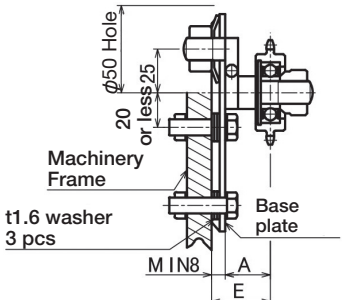
Model Number \ Dimensions	E	A
THB35～60	**Approx. 50 to 80 Adjustable with Tall Nut and Washer**	**26**
THB80		**30**

∗ Tall nut: As the washers can be purchased commercially, find them at a hardware store.

◇ Mounting method if dimension E is to be shortened

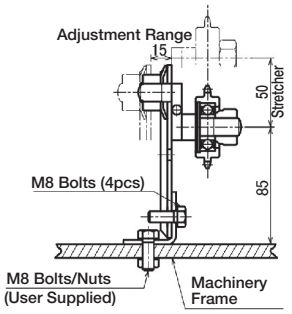
Model Number \ Dimensions	E	A
THB35～60	**MIN.34**	**26**
THB80	**MIN.38**	**30**

Choose a position in which the pin fixing nut does not collide with the gantry of the machine/device, or make a hole of ϕ50 to prevent the pin fixing nut from interfering with the gantry.

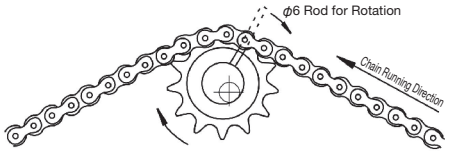


◎ Mounting Method

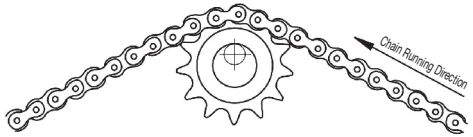
◇ Mounting Method Using Tight-Holder w/ L-Type Attachment (LAT Type)



∗ The allowable load of the L-type attachment is used for the Idler Sprocket. This is max. 40 kgf with a vertical load.

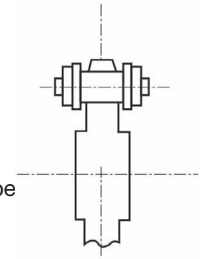


◎ Tension Adjustment Method



Match the center of the chain and sprocket well.

If you rotate the eccentric pin with a ϕ6 rod in its outer circumference hole, a tension margin of up to 50mm can be obtained. Fix the eccentric pin fixing nut sufficiently in the running direction of the chain by fixing the base plate so that the idler engages with the chain in a position where the tension allowance can be as large as possible (Fig. 1).

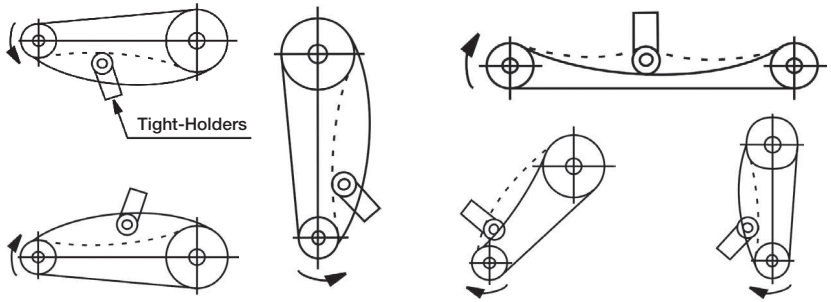


◎ Tight-Holder Mounting Position

Install the Tight-Holder in a loosening side position as shown be

Precautions for Use

∗Do not use under in conditions where the Tight-Holder is on the chain tension side etc. such as when using both forward and reverse rotation drive.



Sprocket Guide

(1) We manufacture sizes other than those in the catalog, depending on your request.
We manufacture machine shaft holes/keys/taps, etc., so please contact us for details.

(2) Shaft hole diameter tolerances/key groove dimension table are included at the end of the Guide to Products Handled.

(3) Since the current notation for the dimensions for the prepared hole diameter d is continually subject to change, please contact us if you intend to use the minimum diameter.

(4) With modifications to our standard sprocket manufacturing criteria, there may be slight differences in the outer diameter of the sprocket (including the coupling) compared to the dimension notation, due to differences between the new and old manufacturing criteria.

(5) With modifications to our standard sprocket manufacturing criteria, in chamfering of the boss outer diameter, please take care as the boss C chamfering may interfere with the boss side face when tap machining, due to differences between the new and old manufacturing criteria.

(6) Tempering (temper color)
At present, some varieties of our standard sprocket are treated for high-frequency hardened teeth, but for quality improvement, they are additionally tempered as needed. Please note that it will take on various shades of tempered color depending on the product.

(7) In order to further improve the quality, the standards of the following items have been changed.
Some items in stock mix welded specification and ground specification, as well as general steel and carbon structural steel. Please inquire for details.

Compatible Products

NK35B41	**to NK35B80**	**NK120B22**	**to NK120B30**
NK35-2B45	**to NK35-2B60**	**NK120-2B14**	**to NK120-2B21**
NK40B41	**to NK40B75**	**NK140B10**	**to NK140B21**
NK40-2B31	**to NK40-2B60**	**NK160B10**	**to NK160B21**
NK50B36	**to NK50B65**	**2080B111/2**	**to 2080B121/2**
NK50-2B26	**to NK50-2B50**	**2100B111/2**	**to 2100B121/2**
NK60B31	**to NK60B54**	**2042B16**	**to 2042B32**
NK60-2B23	**to NK60-2B50**	**2052B16**	**to 2052B30**
NK80B22	**to NK80B45**	**2062B13**	**to 2062B26**
NK80-2B18	**to NK80-2B40**	**2082B10**	**to 2082B19**
NK100B22	**to NK100B35**	**2102B10**	**to 2102B12**
NK100-2B15	**to NK100-2B30**		

SUSFBP11B

Order Product Code

SUSFBP11B 16 D6

TYPE — No. of Teeth — ϕD

Sprocket No.

B- Ⅰ Type

B- Ⅱ Type

- Chain No.11
- Chain Pitch .....(P) 3.7465mm
- Bushing Link Inner Width .....(W) 1.83 mm
- Bushing Outside Diameter .....(Dr) 2.285 mm
- Tooth Width .....(T) 1.6 mm

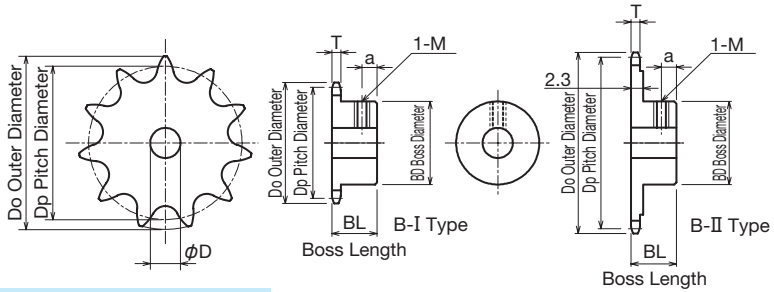
TYPE	SUSFBP11B

m Stainless Steel

No. of Teeth	Type	ϕD Reference	Product Code	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight g
12	B-I-type	5	SUSFBP11B12D5	--	3	16.2	14.475	9.4	10.5	4	5.9
15	B-I-type	5	SUSFBP11B15D5	--	3	19.9	18.020	13	10.5	4	11.5
15	B-I-type	6	SUSFBP11B15D6	--	3	19.9	18.020	13	10.5	4	11.5
16	B-I-type	5	SUSFBP11B16D5	--	3	21.1	19.204	14	10.5	4	13.5
16	B-I-type	6	SUSFBP11B16D6	--	3	21.1	19.204	14	10.5	4	13.5
16	B-I-type	8	SUSFBP11B16D8	--	4	21.1	19.204	14	10.5	4	13.5
18	B-I-type	5	SUSFBP11B18D5	--	3	23.5	21.575	16	10.5	4	17.7
18	B-I-type	6	SUSFBP11B18D6	--	3	23.5	21.575	16	10.5	4	17.7
18	B-I-type	8	SUSFBP11B18D8	--	4	23.5	21.575	16	10.5	4	17.7
20	B-I-type	8	SUSFBP11B20D8	--	4	25.9	23.949	19	10.5	4	23.3
20	B-I-type	10	SUSFBP11B20D10	--	4	25.9	23.949	19	10.5	4	23.3
24	B-I-type	8	SUSFBP11B24D8	--	4	30.7	28.703	19	10.5	4	25.7
24	B-I-type	10	SUSFBP11B24D10	--	4	30.7	28.703	19	10.5	4	25.7
28	B-I-type	8	SUSFBP11B28D8	--	4	35.5	33.462	19	10.5	4	28.7
28	B-I-type	10	SUSFBP11B28D10	--	4	35.5	33.462	19	10.5	4	28.7

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

SUSFBP Finished Bore Sprocket Stainless Steel Round Tap Hole Specification



TYPE	SUSFBP11B

m Stainless Steel

No. of Teeth	Type	ϕD Reference	Product Code	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight g
30	B-II-type	8	SUSFBP11B30D8	--	4	37.9	35.842	19	10.5	4	29.7
30	B-II-type	10	SUSFBP11B30D10	--	4	37.9	35.842	19	10.5	4	29.7
34	B-II-type	8	SUSFBP11B34D8	--	4	42.7	40.604	19	10.5	4	37.9
34	B-II-type	10	SUSFBP11B34D10	--	4	42.7	40.604	19	10.5	4	37.9
36	B-II-type	8	SUSFBP11B36D8	--	4	45.1	42.986	19	10.5	4	40.7
36	B-II-type	10	SUSFBP11B36D10	--	4	45.1	42.986	19	10.5	4	40.7
40	B-II-type	8	SUSFBP11B40D8	--	4	49.8	47.751	19	10.5	4	46.5
40	B-II-type	10	SUSFBP11B40D10	--	4	49.8	47.751	19	10.5	4	46.5
48	B-II-type	8	SUSFBP11B48D8	--	4	59.4	57.283	19	10.5	4	60.5
48	B-II-type	10	SUSFBP11B48D10	--	4	59.4	57.283	19	10.5	4	60.5

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Caution

∗ Finished Hole Tolerance
Less than ϕ8: H8
More than ϕ8: H7

NK11SSB

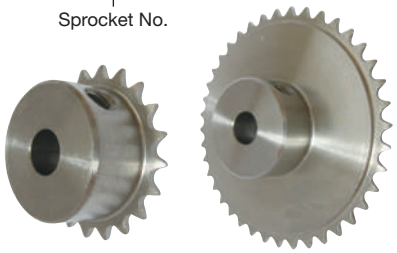
Micropitch Sprocket B-type

Order Product Code

NK11SSB 16

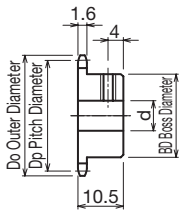
TYPE — No. of Teeth

Sprocket No.

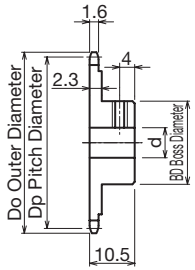


B-Ⅰ Type

B-Ⅱ Type



B-Ⅰ Type



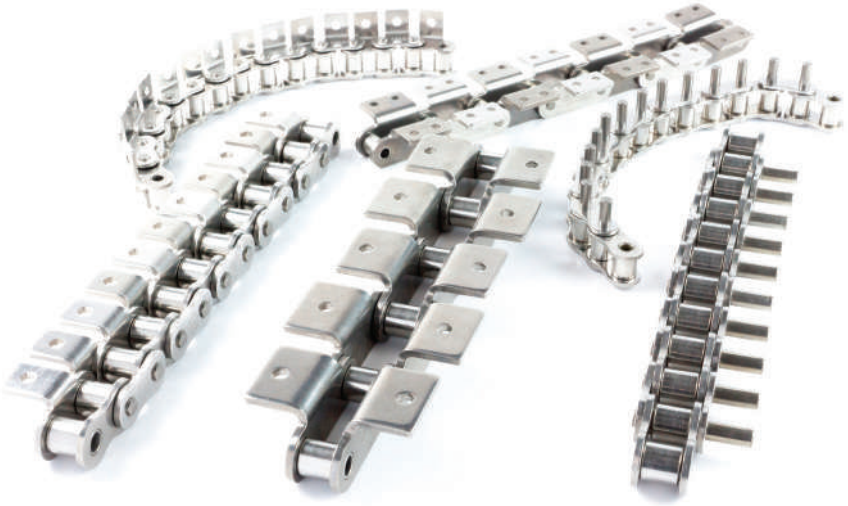
B-Ⅱ Type

- Chain **No.11**
- Chain Pitch .....**(P) 3.7465mm**
- Bushing Link Inner Width .....**(W) 1.83 mm**
- Bushing Outside Diameter .....**(Dr) 2.285 mm**
- Tooth Width .....**(T) 1.6 mm**

m Stainless Steel

TYPE	No. of Teeth	Type	Do	Dp	Shaft Hole Diameter d Minimum	Shaft Hole Diameter d Maximum	BD	BL	Set Screw Hole	Shape	Weight g
NK11SSB	12	B-I-type	16.2	14.475	4	6	9.4	10.5	M3	Ground Specification	5.9
	15		19.9	18.020	4	9	13	10.5			11.5
	16		21.1	19.204	4	9	14	10.5			13.5
	18		23.5	21.575	4	11	16	10.5			17.7
	20		25.9	23.949	6	13	19	10.5	M4		23.3
	24		30.7	28.703	6	13	19	10.5			25.7
	28		35.5	33.462	6	13	19	10.5			28.7
	30	B-II-type	37.9	35.842	6	13	19	10.5	M4	Ground Specification	29.7
	34		42.7	40.604	6	13	19	10.5			37.9
	36		45.1	42.986	6	13	19	10.5			40.7
	40		49.8	47.751	6	13	19	10.5			46.5
	48		59.4	57.283	6	13	19	10.5			60.5

MEMO



FBP15B/FBN15B

Order Product Code

FBP15B15D8
FBN15B30D12

TYPE — No. of Teeth — ϕD

Sprocket No.

FBP-type FBN-type

- Chain **No.15**
- Chain Pitch .....**(P) 4.7625 mm**
- Bushing Link Inner Width .....**(W) 2.38 mm**
- Bushing Outside Diameter .....**(Dr) 2.48 mm**
- Tooth Width .....**(T) 2.0 mm**

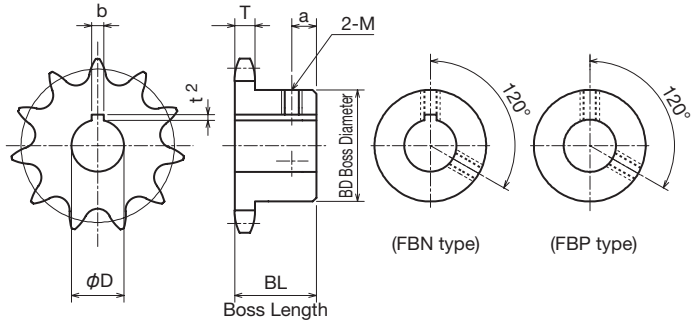
TYPE FBP15B/FBN15B

m Carbon Structural Steel

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t^2	M	Do	Dp	BD	BL	a	Weight g
FBP15B11D5	11	5	--	3	19.0	16.904	11	10	4	9
FBP15B12D5	12	5	--	3	20.5	18.401	12	10	4	10
FBP15B12D6	12	6	--	3	20.5	18.401	12	10	4	10
FBP15B13D5	13	5	--	3	22.0	19.900	14	10	4	14
FBP15B13D6	13	6	--	3	22.0	19.900	14	10	4	14
FBP15B13D8	13	8	--	4	22.0	19.900	14	10	4	14
FBP15B14D8	14	8	--	4	23.5	21.402	15	12	5	17
FBP15B15D8	15	8	--	4	25.0	22.906	17	12	5	22
FBP15B16D10	16	10	--	4	26.5	24.412	18	12	5	23
FBP15B17D10	17	10	--	4	28.0	25.918	20	14	6	32
FBP15B18D10	18	10	--	4	29.5	27.426	22	14	6	40
FBP15B20D10	20	10	--	4	32.5	30.444	24	14	6	49
FBN15B24D10	24	10	3×1.4	4	39.0	36.487	30	16	7	88
FBN15B24D12	24	12	4×1.8	5	39.0	36.487	30	16	7	88
FBN15B24D15	24	15	5×2.3	6	39.0	36.487	30	16	7	88

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBP/FBN Finished Bore Sprocket Round Tap Hole, New JIS Keyway Specification



TYPE FBP15B/FBN15B

m Carbon Structural Steel

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t^2	M	Do	Dp	BD	BL	a	Weight g
FBN15B26D12	26	12	4×1.8	5	42.0	39.511	33	16	7	104
FBN15B26D15	26	15	5×2.3	6	42.0	39.511	33	16	7	104
FBN15B26D16	26	16	5×2.3	6	42.0	39.511	33	16	7	104
FBN15B28D12	28	12	4×1.8	5	45.0	42.536	37	16	7	131
FBN15B28D15	28	15	5×2.3	6	45.0	42.536	37	16	7	131
FBN15B28D16	28	16	5×2.3	6	45.0	42.536	37	16	7	131
FBN15B30D12	30	12	4×1.8	5	48.0	45.562	39	16	7	147
FBN15B30D15	30	15	5×2.3	6	48.0	45.562	39	16	7	147
FBN15B30D16	30	16	5×2.3	6	48.0	45.562	39	16	7	147
FBN15B33D12	33	12	4×1.8	5	52.5	50.102	40	18	8	178
FBN15B33D15	33	15	5×2.3	6	52.5	50.102	40	18	8	178
FBN15B33D16	33	16	5×2.3	6	52.5	50.102	40	18	8	178
FBN15B35D12	35	12	4×1.8	5	55.5	53.130	40	18	8	182
FBN15B35D15	35	15	5×2.3	6	55.5	53.130	40	18	8	182
FBN15B35D16	35	16	5×2.3	6	55.5	53.130	40	18	8	182

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Caution

∗ Finished Hole Tolerance
Less than ϕ8: H8
More than ϕ8: H7

NK15B

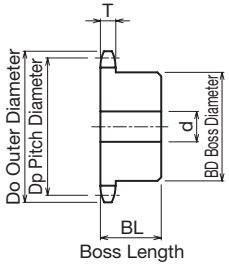
Micropitch Sprocket B-type

Order Product Code

NK15B 12

TYPE — No. of Teeth

Sprocket No.



- Chain **No.15**
- Chain Pitch .....**(P) 4.7625 mm**
- Bushing Link Inner Width .....**(W) 2.38 mm**
- Bushing Outside Diameter .....**(Dr) 2.48 mm**
- Tooth Width .....**(T) 2.0 mm**

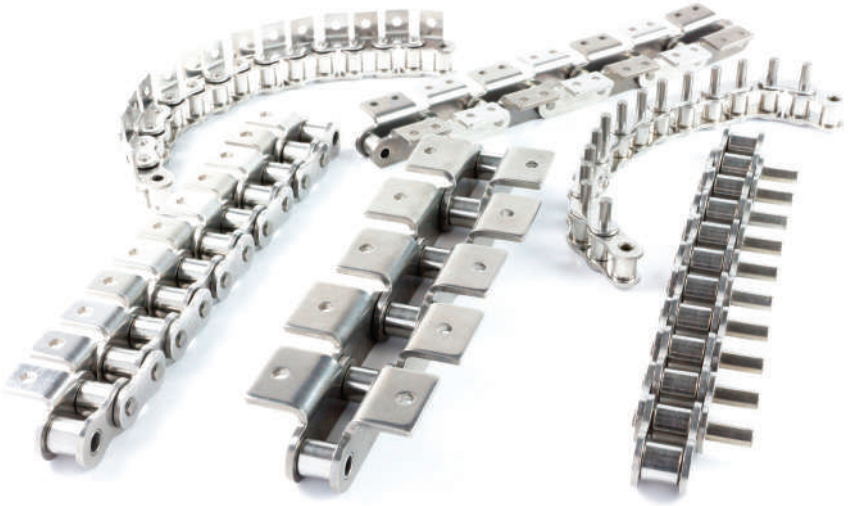
m Carbon Structural Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight g
				Prepared Hole	Minimum	Maximum				
NK15B	11	19.0	16.904	4	5	7	11	10	Ground Specification	9
	12	20.5	18.401	4	5	8	12	10		10
	13	22.0	19.900	4	5	9	14	10		14
	14	23.5	21.402	6	7	10	15	12		17
	15	25.0	22.906	6	7	12	17	12		22
	16	26.5	24.412	8	9	12	18	12		23
	17	28.0	25.918	8	9	14	20	14		32
	18	29.5	27.426	8	9	14	22	14		40
	19	31.0	28.935	8	9	15	23	14		44
	20	32.5	30.444	8	9	15	24	14		49
	21	34.0	31.954	8	9	17	26	14		57
	22	35.5	33.465	8	9	17	27	14		62
	23	37.5	34.976	8	9	17	28	14		68
	24	39.0	36.487	8	9	20	30	16		88
	25	40.5	37.999	8	9	20	32	16		100
	26	42.0	39.511	10	11	22	33	16		104
	27	43.5	41.023	10	11	25	35	16		117
	28	45.0	42.536	10	11	25	37	16		131
	29	46.5	44.049	10	11	25	38	16		139
	30	48.0	45.562	10	11	25	39	16		147
	31	49.5	47.075	10	11	25	40	18		175
	32	51.0	48.588	10	11	25	40	18		176
	33	52.5	50.102	10	11	25	40	18		178
	34	54.0	51.616	10	11	25	40	18		180
	35	55.5	53.130	10	11	25	40	18		182

Caution

∗ The tolerance on the prepared hole diameter d has an H10 finish.

MEMO



FBN25B

Order Product Code

(□ Part is a special shaft diameter specification only)

FBN25B 17 D10 K4

- FBN25B: TYPE
- 17: No. of Teeth
- D10: ϕD^{H7}
- K4: Keyway

Sprocket No.

- Chain **No.25**
- Chain Pitch .....**(P) 6.35 mm**
- Bushing Link Inner Width .....**(W) 3.18 mm**
- Bushing Outside Diameter .....**(Dr) 3.30 mm**
- Tooth Width .....**(T) 2.8 mm**

☆Special Shaft Hole Machined Specification

ϕD^{H7}	Keyway b×t²	Set screw M
10	4×1.8	4

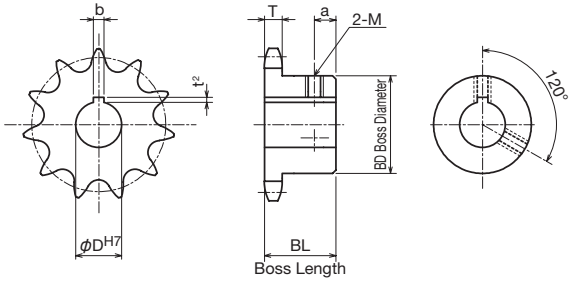
∗□ Parts only can be selected for special shaft hole machining.

TYPE FBN25B

m Carbon Structural Steel

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight g
FBN25B13D10	13	10	3×1.4	4	30.0	26.534	18	15	6	50
FBN25B16D10	16	10	3×1.4	4	36.0	32.549	25	15	6	60
FBN25B16D10K4	16	10	4×1.8	4	36.0	32.549	25	15	6	60
FBN25B16D12	16	12	4×1.8	5	36.0	32.549	25	15	6	60
FBN25B17D10	17	10	3×1.4	4	38.0	34.558	25	15	6	70
FBN25B17D10K4	17	10	4×1.8	4	38.0	34.558	25	15	6	70
FBN25B17D12	17	12	4×1.8	5	38.0	34.558	25	15	6	70
FBN25B18D10	18	10	3×1.4	4	40.0	36.568	25	15	6	70
FBN25B18D10K4	18	10	4×1.8	4	40.0	36.568	25	15	6	70
FBN25B18D12	18	12	4×1.8	5	40.0	36.568	25	15	6	70
FBN25B19D10	19	10	3×1.4	4	42.0	38.580	28	15	6	80
FBN25B19D10K4	19	10	4×1.8	4	42.0	38.580	28	15	6	80
FBN25B19D12	19	12	4×1.8	5	42.0	38.580	28	15	6	80
FBN25B19D15	19	15	5×2.3	6	42.0	38.580	28	15	6	80
FBN25B20D10	20	10	3×1.4	4	44.0	40.592	28	15	6	80
FBN25B20D10K4	20	10	4×1.8	4	44.0	40.592	28	15	6	80
FBN25B20D12	20	12	4×1.8	5	44.0	40.592	28	15	6	80
FBN25B20D15	20	15	5×2.3	6	44.0	40.592	28	15	6	80
FBN25B21D10	21	10	3×1.4	4	46.0	42.605	28	15	6	90
FBN25B21D10K4	21	10	4×1.8	4	46.0	42.605	28	15	6	90
FBN25B21D12	21	12	4×1.8	5	46.0	42.605	28	15	6	90
FBN25B21D15	21	15	5×2.3	6	46.0	42.605	28	15	6	90
FBN25B22D12	22	12	4×1.8	5	48.0	44.619	30	15	6	100
FBN25B22D15	22	15	5×2.3	6	48.0	44.619	30	15	6	100
FBN25B23D10	23	10	3×1.4	4	50.0	46.634	30	15	6	110
FBN25B23D12	23	12	4×1.8	5	50.0	46.634	30	15	6	110
FBN25B23D15	23	15	5×2.3	6	50.0	46.634	30	15	6	110
FBN25B24D12	24	12	4×1.8	5	52.0	48.649	30	15	6	120
FBN25B24D15	24	15	5×2.3	6	52.0	48.649	30	15	6	120
FBN25B25D12	25	12	4×1.8	5	54.0	50.665	35	15	6	140
FBN25B25D15	25	15	5×2.3	6	54.0	50.665	35	15	6	140
FBN25B25D16	25	16	5×2.3	6	54.0	50.665	35	15	6	140
FBN25B26D12	26	12	4×1.8	5	56.0	52.681	35	15	6	140
FBN25B26D15	26	15	5×2.3	6	56.0	52.681	35	15	6	140
FBN25B26D16	26	16	5×2.3	6	56.0	52.681	35	15	6	140
FBN25B27D12	27	12	4×1.8	5	58.0	54.698	35	15	6	150
FBN25B27D15	27	15	5×2.3	6	58.0	54.698	35	15	6	150
FBN25B27D16	27	16	5×2.3	6	58.0	54.698	35	15	6	150

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.



TYPE FBN25B

m Carbon Structural Steel

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight g
FBN25B28D10	28	10	3×1.4	4	60.0	56.714	35	15	6	150
FBN25B28D12	28	12	4×1.8	5	60.0	56.714	35	15	6	150
FBN25B28D15	28	15	5×2.3	6	60.0	56.714	35	15	6	150
FBN25B28D16	28	16	5×2.3	6	60.0	56.714	35	15	6	150
FBN25B30D12	30	12	4×1.8	5	64.0	60.749	35	15	6	160
FBN25B30D15	30	15	5×2.3	6	64.0	60.749	35	15	6	160
FBN25B30D16	30	16	5×2.3	6	64.0	60.749	35	15	6	160
FBN25B32D15	32	15	5×2.3	6	68.0	64.785	40	20	8	200
FBN25B32D16	32	16	5×2.3	6	68.0	64.785	40	20	8	200
FBN25B32D18	32	18	6×2.8	6	68.0	64.785	40	20	8	200
FBN25B32D20	32	20	6×2.8	6	68.0	64.785	40	20	8	200
FBN25B34D15	34	15	5×2.3	6	72.0	68.821	40	20	8	210
FBN25B34D16	34	16	5×2.3	6	72.0	68.821	40	20	8	210
FBN25B34D18	34	18	6×2.8	6	72.0	68.821	40	20	8	210
FBN25B34D20	34	20	6×2.8	6	72.0	68.821	40	20	8	210
FBN25B35D15	35	15	5×2.3	6	74.0	70.839	40	20	8	210
FBN25B35D16	35	16	5×2.3	6	74.0	70.839	40	20	8	210
FBN25B35D18	35	18	6×2.8	6	74.0	70.839	40	20	8	210
FBN25B35D20	35	20	6×2.8	6	74.0	70.839	40	20	8	210
FBN25B36D15	36	15	5×2.3	6	76.0	72.858	40	20	8	220
FBN25B36D16	36	16	5×2.3	6	76.0	72.858	40	20	8	220
FBN25B36D18	36	18	6×2.8	6	76.0	72.858	40	20	8	220
FBN25B36D20	36	20	6×2.8	6	76.0	72.858	40	20	8	220
FBN25B38D15	38	15	5×2.3	6	80.0	76.896	40	20	8	260
FBN25B38D16	38	16	5×2.3	6	80.0	76.896	40	20	8	260
FBN25B38D18	38	18	6×2.8	6	80.0	76.896	40	20	8	260
FBN25B38D20	38	20	6×2.8	6	80.0	76.896	40	20	8	260
FBN25B40D15	40	15	5×2.3	6	84.0	80.934	40	20	8	270
FBN25B40D16	40	16	5×2.3	6	84.0	80.934	40	20	8	270
FBN25B40D18	40	18	6×2.8	6	84.0	80.934	40	20	8	270
FBN25B40D20	40	20	6×2.8	6	84.0	80.934	40	20	8	270

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Caution

∗ If you order a special shaft diameter specification, please append K4 after the hole diameter.

Example: FBN25B16D10K4

SUSFBN25B

Order Product Code

SUSFBN25B 17 D10

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

Order Product Code

(□ Part is a special shaft diameter specification only)

SUSFBN25B 17 D10 K4

TYPE — No. of Teeth — ϕD^{H7} — Keyway

Sprocket No.

- Chain **No.25**
- Chain Pitch .....**(P) 6.35 mm**
- Bushing Link Inner Width .....**(W) 3.18 mm**
- Bushing Outside Diameter .....**(Dr) 3.30 mm**
- Tooth Width .....**(T) 2.8 mm**

TYPE SUSFBN25B

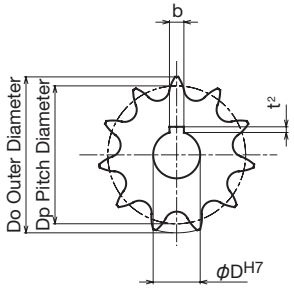
m Stainless Steel GB 304

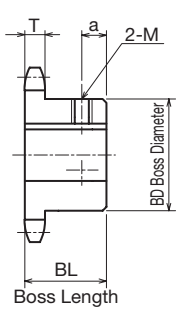
Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight g
SUSFBN25B16D10	16	10	3×1.4	4	36	32.55	21	16	6	60
SUSFBN25B16D10K4	16	10	4×1.8	4	36	32.55	21	16	6	60
SUSFBN25B17D10	17	10	3×1.4	4	38	34.56	23	16	6	70
SUSFBN25B17D10K4	17	10	4×1.8	4	38	34.56	23	16	6	70
SUSFBN25B18D10	18	10	3×1.4	4	40	36.57	25	16	6	70
SUSFBN25B18D10K4	18	10	4×1.8	4	40	36.57	25	16	6	70
SUSFBN25B19D10	19	10	3×1.4	4	42	38.58	26	16	6	80
SUSFBN25B19D10K4	19	10	4×1.8	4	42	38.58	26	16	6	80
SUSFBN25B19D12	19	12	4×1.8	5	42	38.58	26	16	6	80
SUSFBN25B19D15	19	□15	5×2.3	6	42	38.58	26	16	6	80
SUSFBN25B20D10	20	10	3×1.4	4	44	40.59	28	16	6	80
SUSFBN25B20D10K4	20	10	4×1.8	4	44	40.59	28	16	6	80
SUSFBN25B20D12	20	12	4×1.8	5	44	40.59	28	16	6	80
SUSFBN25B21D12	21	12	4×1.8	5	46	42.61	30	18	7	90
SUSFBN25B21D15	21	15	5×2.3	6	46	42.61	30	18	7	90
SUSFBN25B22D12	22	12	4×1.8	5	48	44.62	30	18	7	100
SUSFBN25B22D15	22	15	5×2.3	6	48	44.62	30	18	7	100
SUSFBN25B23D12	23	12	4×1.8	5	50	46.63	30	18	7	110
SUSFBN25B23D15	23	15	5×2.3	6	50	46.63	30	18	7	110
SUSFBN25B24D12	24	12	4×1.8	5	52	48.65	30	18	7	120
SUSFBN25B24D15	24	15	5×2.3	6	52	48.65	30	18	7	120
SUSFBN25B25D12	25	12	4×1.8	5	54	50.66	30	18	7	140
SUSFBN25B25D15	25	15	5×2.3	6	54	50.66	30	18	7	140

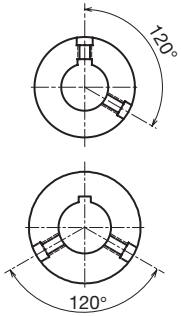
∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

SUS FBN Finished Bore Sprocket
SUS FBN Finished Bore Sprocket

D10 K4×1.8 Specification
New JIS Keyway Specification







! ϕD^{H7}□ mark set screw is set at a location other than the keyway (figure at left).

TYPE SUSFBN25B

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight g
SUSFBN25B26D12	26	12	4×1.8	5	56	52.68	30	18	7	140
SUSFBN25B26D15	26	15	5×2.3	6	56	52.68	30	18	7	140
SUSFBN25B27D12	27	12	4×1.8	5	58	54.70	30	18	7	150
SUSFBN25B27D15	27	15	5×2.3	6	58	54.70	30	18	7	150
SUSFBN25B28D12	28	12	4×1.8	5	60	56.71	30	18	7	150
SUSFBN25B28D15	28	15	5×2.3	6	60	56.71	30	18	7	150
SUSFBN25B30D12	30	12	4×1.8	5	64	60.75	30	18	7	160
SUSFBN25B30D15	30	15	5×2.3	6	64	60.75	30	18	7	160
SUSFBN25B32D12	32	12	4×1.8	5	68	64.78	30	18	7	200
SUSFBN25B32D15	32	15	5×2.3	6	68	64.78	30	18	7	200

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

☆Special Shaft Hole Machined Specification

ϕD^{H7}	Keyway b×t²	Set screw M
10	4×1.8	4

∗□ Parts only can be selected for special shaft hole machining.

! Caution

∗ If you order a special shaft diameter specification, please append K4 after the hole diameter.

Example: SUSFBN25B19D10K4

25A

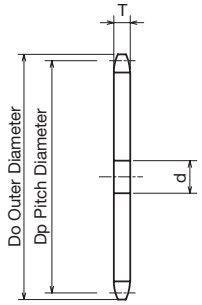
Standard Sprocket A-type

Order Product Code

25A 16

TYPE No. of Teeth

Sprocket No.



- Chain **No.25**
- Chain Pitch .....**(P) 6.35 mm**
- Bushing Link Inner Width .....**(W) 3.18 mm**
- Bushing Outside Diameter .....**(Dr) 3.30 mm**
- Tooth Width .....**(T) 2.8 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
25A	10	23	20.549	6	7	0.01
	12	28	24.535	7	8	0.01
	13	30	26.534	7	8	0.01
	14	32	28.537	7	8	0.01
	15	34	30.542	7	8	0.02
	16	36	32.549	9	10	0.02
	17	38	34.558	9	10	0.02
	18	40	36.568	9	10	0.02
	20	44	40.592	9	10	0.03
	24	52	48.649	9	10	0.04
	25	54	50.665	9	10	0.04
	27	58	54.698	9	10	0.05
	28	60	56.714	9	10	0.06
	29	62	58.732	9	10	0.06
	30	64	60.749	9	10	0.06
	32	68	64.785	10	11	0.07
	33	70	66.803	10	11	0.08
	35	74	70.839	10	11	0.09
	36	76	72.858	10	11	0.09
	37	78	74.877	10	11	0.10
	38	80	76.896	10	11	0.10
	40	84	80.934	10	11	0.11
	42	89	84.972	11	12	0.12
	45	95	91.031	11	12	0.14
	50	105	101.130	11	12	0.18
	55	115	111.230	11	12	0.21
	60	125	121.331	11	12	0.25
	70	145	141.536	11	12	0.34
	75	155	151.639	11	12	0.40
	80	165	161.743	11	12	0.45

MEMO

Roller Chain Inspection Mini Memo

☐ Roller Chain Inspection

1. Inspection Procedure

- ◆ In order to eliminate the play of the entire chain, inspect the chain with a certain degree of tension.
- ◆ Check both ends (same side) of the pin to be inspected.
- ◆ Consider a multi-row chain to be the same as a single-row chain of the same pitch.
- ◆ Although the usage limits due to chain elongation vary depending on the number of teeth, preventively, elongation should be limited to 1.5% of the reference value.
  However, when the number of teeth is large this can be corrected as follows.

Large sprocket teeth— —when 60 to 80, then chain elongation— —1.2%
Large sprocket teeth— —when 81 to 100, then chain elongation— —1.0%
Large sprocket teeth— —when 101 or more, then chain elongation— —0.8%

2. Lubrication Status Inspection

Remove the chain and look inside the pin and bushing to see whether there is sufficient lubrication or not. If the surface is damaged, or if it is red or dark brown, lubrication is failing and you may be driving the chain without immersing it in the oil in the oil tank, so check this periodically.

3. Plate Inspection

The strength of the chain has a value at least 7 times if it is selected according to the transmission ability table against the action load applied to the chain. Even so, please confirm safety thoroughly at your end as well.

Locations Prone to Cracks

However, repeated application of a force greater than the applied load may result in fatigue failure. In such cases, it is safer to check for fatigue destruction.
Since fatigue causes cracks from the side of the plate as shown in the figure, it is necessary to carefully check for the presence or absence of cracks.

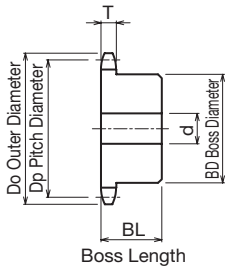
K25B

Order Product Code

K25B 16

TYPE No. of Teeth

Sprocket No.



Use together with the KANA machine key.
Refer to P.334 to P.335

- Chain **No.25**
- Chain Pitch .....**(P) 6.35 mm**
- Bushing Link Inner Width .....**(W) 3.18 mm**
- Bushing Outside Diameter .....**(Dr) 3.30 mm**
- Tooth Width .....**(T) 2.8 mm**

m Carbon Structural Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight g
				Prepared Hole	Minimum	Maximum				
K25B	10	23	20.549	6	7	8	14	15	Ground Specification	30
	11	25	22.539	7	8	8	15	15		30
	12	28	24.535	7	8	9	15	15		30
	13	30	26.534	7	8	10	18	15		50
	14	32	28.537	7	8	10	20	15		50
	15	34	30.542	7	8	10	20	15		50
	16	36	32.549	9	10	12	25	15		60
	17	38	34.558	9	10	12	25	15		70
	18	40	36.568	9	10	12	25	15		70
	19	42	38.580	9	10	16	28	15		80
	20	44	40.592	9	10	16	28	15		80
	21	46	42.605	9	10	16	28	15		90
	22	48	44.619	9	10	16	30	15		100
	23	50	46.634	9	10	16	30	15		110
	24	52	48.649	9	10	16	30	15		120
	25	54	50.665	9	10	20	35	15		140
	26	56	52.681	9	10	20	35	15		140
	27	58	54.698	9	10	20	35	15		150
	28	60	56.714	9	10	20	35	15		150
	29	62	58.732	9	10	20	35	15		160
	30	64	60.749	9	10	20	35	15		160
	31	66	62.767	10	11	22	40	20		200
	32	68	64.785	10	11	22	40	20		200
	33	70	66.803	10	11	22	40	20		210
	34	72	68.821	10	11	22	40	20		210

m Carbon Structural Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight g
				Prepared Hole	Minimum	Maximum				
K25B	35	74	70.839	10	11	22	40	20	Ground Specification	210
	36	76	72.858	10	11	22	40	20		220
	37	78	74.877	10	11	22	40	20		260
	38	80	76.896	10	11	22	40	20		260
	39	82	78.915	10	11	22	40	20		270
	40	84	80.934	10	11	22	40	20		270
	41	87	82.953	11	12	30	50	20		320
	42	89	84.972	11	12	30	50	20		320
	43	91	86.992	11	12	30	50	20		400
	44	93	89.011	11	12	30	50	20		410
	45	95	91.031	11	12	30	50	20		410
	48	101	97.090	11	12	30	50	20		430
	50	105	101.130	11	12	30	50	20		460
	54	113	109.210	11	12	30	50	20		470
	60	125	121.331	11	12	30	50	20		520
	65	135	131.434	12	13	30	50	30		720
	70	145	141.536	12	13	30	50	30		770
	75	155	151.639	12	13	30	50	30		820
	80	165	161.743	12	13	30	50	30		880

SUS25B

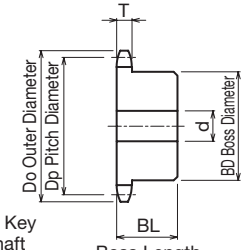
SUS Stainless Steel Sprocket B-type

Order Product Code

SUS25B 12

TYPE — No. of Teeth

Sprocket No.



Use together with the KANA machine key. Refer to P.334 to P.335

- Chain No.25
- Chain Pitch .....(P) 6.35 mm
- Bushing Link Inner Width ...(W) 3.18 mm
- Bushing Outside Diameter ...(Dr) 3.30 mm
- Tooth Width .....(T) 2.8 mm

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS25B	10	23	20.549	6	7	8	13	14	Ground Specification	0.01
	11	25	22.539	7	8	8	15	14		0.02
	12	28	24.535	7	8	10	17	14		0.02
	13	30	26.534	7	8	10	18	14		0.03
	14	32	28.537	7	8	10	19	14		0.03
	15	34	30.542	7	8	10	20	14		0.04
	16	36	32.549	9	10	11	21	16		0.06
	17	38	34.558	9	10	11	23	16		0.06
	18	40	36.568	9	10	12	25	16		0.07
	19	42	38.580	9	10	14	26	16		0.08
	20	44	40.592	9	10	16	28	16		0.09
	21	46	42.605	9	10	16	30	18		0.11
	22	48	44.619	9	10	16	30	18		0.11
	23	50	46.634	9	10	16	30	18		0.11
	24	52	48.649	9	10	16	30	18		0.12
	25	54	50.665	9	10	16	30	18		0.12
	26	56	52.681	9	10	16	30	18		0.12
	27	58	54.698	9	10	16	30	18		0.13
	28	60	56.714	9	10	16	30	18		0.13
	30	64	60.749	9	10	16	30	18		0.14
	32	68	64.785	10	11	16	30	18		0.15

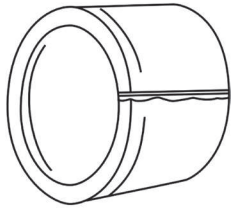
MEMO

Roller Chain Inspection Mini Memo

☐ Roller Chain Inspection

4. Roller Inspection

When the roller meshes with the teeth of the sprocket, it engages and receives an impact. Although this is not a problem in normal use, driving with abnormal conditions such as intense vibration will cause the impact load value to increase, resulting in fatigue failure.
As cracks are generated as shown in the figure, it is safe to inspect it like a plate.



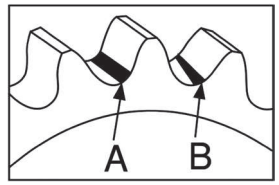
Roller Cracks

5. Treatment if Fatigue Failure has Occurred

Fatigue failure of a plate or roller occurs when a force greater than expected is exerted on the chain, and once it occurs it is mandatory to find the cause and fix it.
Often such accidents are accompanied by vibration or take place because more load than expected was applied. Once a chain breaks due to fatigue, because all parts have been subjected to the same repetitive load, change the entire chain.

6. Sprocket Inspection

Check whether the engagement between the chain and the sprocket is normal based on the roller and the contact condition of the tooth surface. Normal engagement means that the moment of impact is uniform as shown in Fig. A, and if there appears to be a bias to one side as shown in Fig. B, the centering of the sprocket attachment is insufficient, or the cause of the chain deflection needs to be checked again.
It is normal for the contact position to be a little above the base of the tooth (valley).



However, when tensile force remains on the slack side when applying initial tension it may slightly hit the tooth bottom (valley). However, in this case as well the strongest point of contact is the position in Fig. A.

For idlers and tensioners, however, it should hit at the center of the tooth bottom.

FBN35B

Order Product Code

(□ Part is a special shaft diameter specification only)

FBN35B16D10 K4

TYPE — No. of Teeth — ϕD^{H7} — Keyway

Sprocket No.

- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm**

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

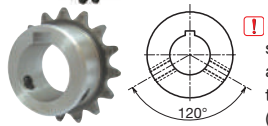
No. of Teeth	S	GD
9	4.4	17
10		20
11	4.4	23
12		26
13	4.4	29

☆Special Shaft Hole Machined Specification

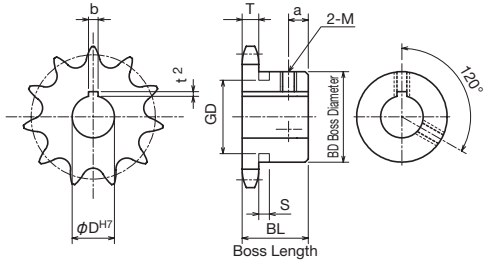
ϕD^{H7}	Keyway b×t²	Set screw M
10	4×1.8	4

∗□ Parts only can be selected for special shaft hole machining.

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE **FBN35B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN35B9D10	9	10	3×1.4	4	32.0	27.849	★21.5	20	6	0.06
FBN35B9D10K4	9	10	4×1.8	4	32.0	27.849	★21.5	20	6	0.06
FBN35B10D10	10	10	3×1.4	4	34.0	30.824	★24.5	20	6	0.08
FBN35B10D10K4	10	10	4×1.8	4	34.0	30.824	★24.5	20	6	0.08
FBN35B10D12	10	12	4×1.8	5	34.0	30.824	★24.5	20	6	0.08
FBN35B11D10	11	10	3×1.4	4	38.0	33.809	★27	20	6	0.09
FBN35B11D10K4	11	10	4×1.8	4	38.0	33.809	★27	20	6	0.09
FBN35B11D12	11	12	4×1.8	5	38.0	33.809	★27	20	6	0.09
FBN35B11D14	11	14	5×2.3	6	38.0	33.809	★27	20	6	0.09
FBN35B11D15	11	15	5×2.3	6	38.0	33.809	★27	20	6	0.09
FBN35B12D10	12	10	3×1.4	4	41.0	36.802	★30.5	20	6	0.12
FBN35B12D10K4	12	10	4×1.8	4	41.0	36.802	★30.5	20	6	0.12
FBN35B12D12	12	12	4×1.8	5	41.0	36.802	★30.5	20	6	0.12
FBN35B12D14	12	14	5×2.3	6	41.0	36.802	★30.5	20	6	0.12
FBN35B12D15	12	15	5×2.3	6	41.0	36.802	★30.5	20	6	0.12
FBN35B12D16	12	16	5×2.3	6	41.0	36.802	★30.5	20	6	0.12
FBN35B12D17	12	17	5×2.3	6	41.0	36.802	★30.5	20	6	0.12
FBN35B13D10	13	10	3×1.4	4	44.0	39.801	★32	20	6	0.12
FBN35B13D10K4	13	10	4×1.8	4	44.0	39.801	★32	20	6	0.12
FBN35B13D12	13	12	4×1.8	5	44.0	39.801	★32	20	6	0.12
FBN35B13D14	13	14	5×2.3	6	44.0	39.801	★32	20	6	0.12
FBN35B13D15	13	15	5×2.3	6	44.0	39.801	★32	20	6	0.12
FBN35B13D16	13	16	5×2.3	6	44.0	39.801	★32	20	6	0.12
FBN35B13D17	13	17	5×2.3	6	44.0	39.801	★32	20	6	0.12
FBN35B13D18	13	18	6×2.8	6	44.0	39.801	★32	20	6	0.12
FBN35B14D10	14	10	3×1.4	4	47.0	42.805	32	20	6	0.12
FBN35B14D10K4	14	10	4×1.8	4	47.0	42.805	32	20	6	0.12
FBN35B14D12	14	12	4×1.8	5	47.0	42.805	32	20	6	0.12
FBN35B14D14	14	14	5×2.3	6	47.0	42.805	32	20	6	0.12
FBN35B14D15	14	15	5×2.3	6	47.0	42.805	32	20	6	0.12
FBN35B14D16	14	16	5×2.3	6	47.0	42.805	32	20	6	0.12
FBN35B14D17	14	17	5×2.3	6	47.0	42.805	32	20	6	0.12
FBN35B14D18	14	18	6×2.8	6	47.0	42.805	32	20	6	0.12
FBN35B14D19	14	19	6×2.8	6	47.0	42.805	32	20	6	0.12
FBN35B14D20	14	20	6×2.8	6	47.0	42.805	32	20	6	0.12

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE **FBN35B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN35B15D10	15	10	3×1.4	4	51.0	45.813	35	20	6	0.16
FBN35B15D10K4	15	10	4×1.8	4	51.0	45.813	35	20	6	0.16
FBN35B15D12	15	12	4×1.8	5	51.0	45.813	35	20	6	0.16
FBN35B15D14	15	14	5×2.3	6	51.0	45.813	35	20	6	0.16
FBN35B15D15	15	15	5×2.3	6	51.0	45.813	35	20	6	0.16
FBN35B15D16	15	16	5×2.3	6	51.0	45.813	35	20	6	0.16
FBN35B15D17	15	17	5×2.3	6	51.0	45.813	35	20	6	0.16
FBN35B15D18	15	18	6×2.8	6	51.0	45.813	35	20	6	0.16
FBN35B15D19	15	19	6×2.8	6	51.0	45.813	35	20	6	0.16
FBN35B15D20	15	20	6×2.8	6	51.0	45.813	35	20	6	0.16
FBN35B16D10	16	10	3×1.4	4	54.0	48.824	37	20	6	0.19
FBN35B16D10K4	16	10	4×1.8	4	54.0	48.824	37	20	6	0.19
FBN35B16D12	16	12	4×1.8	5	54.0	48.824	37	20	6	0.19
FBN35B16D14	16	14	5×2.3	6	54.0	48.824	37	20	6	0.19
FBN35B16D15	16	15	5×2.3	6	54.0	48.824	37	20	6	0.19
FBN35B16D16	16	16	5×2.3	6	54.0	48.824	37	20	6	0.19
FBN35B16D17	16	17	5×2.3	6	54.0	48.824	37	20	6	0.19
FBN35B16D18	16	18	6×2.8	6	54.0	48.824	37	20	6	0.19
FBN35B16D19	16	19	6×2.8	6	54.0	48.824	37	20	6	0.19
FBN35B16D20	16	20	6×2.8	6	54.0	48.824	37	20	6	0.19
FBN35B16D22	16	22	6×2.8	6	54.0	48.824	37	20	6	0.19
FBN35B16D24	16	24	8×3.3	8	54.0	48.824	37	20	6	0.19
FBN35B16D25	16	25	8×3.3	8	54.0	48.824	37	20	6	0.19
FBN35B17D12	17	12	4×1.8	5	57.0	51.837	41	20	6	0.22
FBN35B17D14	17	14	5×2.3	6	57.0	51.837	41	20	6	0.22
FBN35B17D15	17	15	5×2.3	6	57.0	51.837	41	20	6	0.22
FBN35B17D16	17	16	5×2.3	6	57.0	51.837	41	20	6	0.22
FBN35B17D17	17	17	5×2.3	6	57.0	51.837	41	20	6	0.22
FBN35B17D18	17	18	6×2.8	6	57.0	51.837	41	20	6	0.22
FBN35B17D19	17	19	6×2.8	6	57.0	51.837	41	20	6	0.22
FBN35B17D20	17	20	6×2.8	6	57.0	51.837	41	20	6	0.22
FBN35B17D22	17	22	6×2.8	6	57.0	51.837	41	20	6	0.22
FBN35B17D24	17	24	8×3.3	∗6	57.0	51.837	41	20	6	0.22
FBN35B17D25	17	25	8×3.3	∗6	57.0	51.837	41	20	6	0.22

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Caution

∗ If you order a special shaft diameter specification, please append K4 after the hole diameter.
Example: FBN35B16D10K4

FBN35B

FBN Finished Bore Sprocket **D10 K4×1.8 Specification**
FBN Finished Bore Sprocket **New JIS Keyway Specification**

Order Product Code

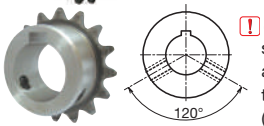
FBN35B16D10

TYPE — No. of Teeth — ϕD^{H7}

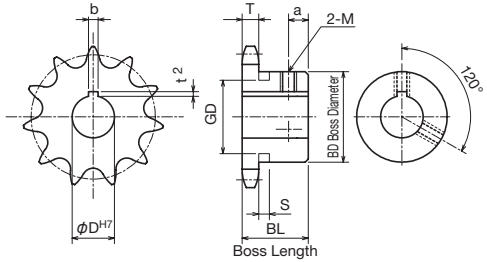
Sprocket No.

- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm**

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE **FBN35B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN35B18D12	18	12	4×1.8	5	60.0	54.852	44	20	6	0.25
FBN35B18D14	18	14	5×2.3	6	60.0	54.852	44	20	6	0.25
FBN35B18D15	18	15	5×2.3	6	60.0	54.852	44	20	6	0.25
FBN35B18D16	18	16	5×2.3	6	60.0	54.852	44	20	6	0.25
FBN35B18D17	18	17	5×2.3	6	60.0	54.852	44	20	6	0.25
FBN35B18D18	18	18	6×2.8	6	60.0	54.852	44	20	6	0.25
FBN35B18D19	18	19	6×2.8	6	60.0	54.852	44	20	6	0.25
FBN35B18D20	18	20	6×2.8	6	60.0	54.852	44	20	6	0.25
FBN35B18D22	18	22	6×2.8	6	60.0	54.852	44	20	6	0.25
FBN35B18D24	18	24	8×3.3	8	60.0	54.852	44	20	6	0.25
FBN35B18D25	18	25	8×3.3	8	60.0	54.852	44	20	6	0.25
FBN35B19D12	19	12	4×1.8	5	63.0	57.869	47	20	6	0.28
FBN35B19D14	19	14	5×2.3	6	63.0	57.869	47	20	6	0.28
FBN35B19D15	19	15	5×2.3	6	63.0	57.869	47	20	6	0.28
FBN35B19D16	19	16	5×2.3	6	63.0	57.869	47	20	6	0.28
FBN35B19D17	19	17	5×2.3	6	63.0	57.869	47	20	6	0.28
FBN35B19D18	19	18	6×2.8	6	63.0	57.869	47	20	6	0.28
FBN35B19D19	19	19	6×2.8	6	63.0	57.869	47	20	6	0.28
FBN35B19D20	19	20	6×2.8	6	63.0	57.869	47	20	6	0.28
FBN35B19D22	19	22	6×2.8	6	63.0	57.869	47	20	6	0.28
FBN35B19D24	19	24	8×3.3	8	63.0	57.869	47	20	6	0.28
FBN35B19D25	19	25	8×3.3	8	63.0	57.869	47	20	6	0.28
FBN35B19D28	19	28	8×3.3	8	63.0	57.869	47	20	6	0.28
FBN35B20D12	20	12	4×1.8	5	66.0	60.888	50	20	6	0.32
FBN35B20D14	20	14	5×2.3	6	66.0	60.888	50	20	6	0.32
FBN35B20D15	20	15	5×2.3	6	66.0	60.888	50	20	6	0.32
FBN35B20D16	20	16	5×2.3	6	66.0	60.888	50	20	6	0.32
FBN35B20D17	20	17	5×2.3	6	66.0	60.888	50	20	6	0.32
FBN35B20D18	20	18	6×2.8	6	66.0	60.888	50	20	6	0.32
FBN35B20D19	20	19	6×2.8	6	66.0	60.888	50	20	6	0.32
FBN35B20D20	20	20	6×2.8	6	66.0	60.888	50	20	6	0.32
FBN35B20D22	20	22	6×2.8	6	66.0	60.888	50	20	6	0.32
FBN35B20D24	20	24	8×3.3	8	66.0	60.888	50	20	6	0.32
FBN35B20D25	20	25	8×3.3	8	66.0	60.888	50	20	6	0.32
FBN35B20D28	20	28	8×3.3	8	66.0	60.888	50	20	6	0.32
FBN35B20D30	20	30	8×3.3	8	66.0	60.888	50	20	6	0.32

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE **FBN35B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN35B21D12	21	12	4×1.8	5	69.0	63.908	53	20	6	0.36
FBN35B21D14	21	14	5×2.3	6	69.0	63.908	53	20	6	0.36
FBN35B21D15	21	15	5×2.3	6	69.0	63.908	53	20	6	0.36
FBN35B21D16	21	16	5×2.3	6	69.0	63.908	53	20	6	0.36
FBN35B21D17	21	17	5×2.3	6	69.0	63.908	53	20	6	0.36
FBN35B21D18	21	18	6×2.8	6	69.0	63.908	53	20	6	0.36
FBN35B21D19	21	19	6×2.8	6	69.0	63.908	53	20	6	0.36
FBN35B21D20	21	20	6×2.8	6	69.0	63.908	53	20	6	0.36
FBN35B21D22	21	22	6×2.8	6	69.0	63.908	53	20	6	0.36
FBN35B21D24	21	24	8×3.3	8	69.0	63.908	53	20	6	0.36
FBN35B21D25	21	25	8×3.3	8	69.0	63.908	53	20	6	0.36
FBN35B21D28	21	28	8×3.3	8	69.0	63.908	53	20	6	0.36
FBN35B21D30	21	30	8×3.3	8	69.0	63.908	53	20	6	0.36
FBN35B21D32	21	32	10×3.3	8	69.0	63.908	53	20	6	0.36
FBN35B22D12	22	12	4×1.8	5	72.0	66.929	56	20	6	0.37
FBN35B22D14	22	14	5×2.3	6	72.0	66.929	56	20	6	0.37
FBN35B22D15	22	15	5×2.3	6	72.0	66.929	56	20	6	0.37
FBN35B22D16	22	16	5×2.3	6	72.0	66.929	56	20	6	0.37
FBN35B22D17	22	17	5×2.3	6	72.0	66.929	56	20	6	0.37
FBN35B22D18	22	18	6×2.8	6	72.0	66.929	56	20	6	0.37
FBN35B22D19	22	19	6×2.8	6	72.0	66.929	56	20	6	0.37
FBN35B22D20	22	20	6×2.8	6	72.0	66.929	56	20	6	0.37
FBN35B22D22	22	22	6×2.8	6	72.0	66.929	56	20	6	0.37
FBN35B22D24	22	24	8×3.3	8	72.0	66.929	56	20	6	0.37
FBN35B22D25	22	25	8×3.3	8	72.0	66.929	56	20	6	0.37
FBN35B22D28	22	28	8×3.3	8	72.0	66.929	56	20	6	0.37
FBN35B22D30	22	30	8×3.3	8	72.0	66.929	56	20	6	0.37
FBN35B22D32	22	32	10×3.3	8	72.0	66.929	56	20	6	0.37
FBN35B23D12	23	12	4×1.8	5	75.0	69.951	60	20	6	0.38
FBN35B23D14	23	14	5×2.3	6	75.0	69.951	60	20	6	0.38
FBN35B23D15	23	15	5×2.3	6	75.0	69.951	60	20	6	0.38
FBN35B23D16	23	16	5×2.3	6	75.0	69.951	60	20	6	0.38
FBN35B23D17	23	17	5×2.3	6	75.0	69.951	60	20	6	0.38
FBN35B23D18	23	18	6×2.8	6	75.0	69.951	60	20	6	0.38
FBN35B23D19	23	19	6×2.8	6	75.0	69.951	60	20	6	0.38
FBN35B23D20	23	20	6×2.8	6	75.0	69.951	60	20	6	0.38
FBN35B23D22	23	22	6×2.8	6	75.0	69.951	60	20	6	0.38

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN35B

FBN Finished Bore Sprocket **D10 K4×1.8 Specification**
FBN Finished Bore Sprocket **New JIS Keyway Specification**

Order Product Code

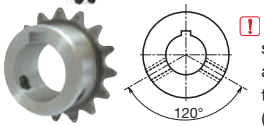
FBN35B16D10

TYPE — No. of Teeth — ϕD^{H7}

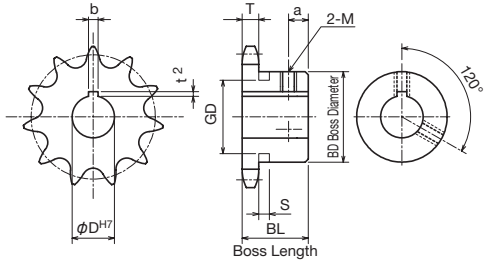
Sprocket No.

- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm**

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN35B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN35B23D24	23	24	8×3.3	8	75.0	69.951	60	20	6	0.38
FBN35B23D25	23	25	8×3.3	8	75.0	69.951	60	20	6	0.38
FBN35B23D28	23	28	8×3.3	8	75.0	69.951	60	20	6	0.38
FBN35B23D30	23	30	8×3.3	8	75.0	69.951	60	20	6	0.38
FBN35B23D32	23	32	10×3.3	8	75.0	69.951	60	20	6	0.38
FBN35B24D12	24	12	4×1.8	5	78.0	72.974	53	22	8	0.43
FBN35B24D14	24	14	5×2.3	6	78.0	72.974	53	22	8	0.43
FBN35B24D15	24	15	5×2.3	6	78.0	72.974	53	22	8	0.43
FBN35B24D16	24	16	5×2.3	6	78.0	72.974	53	22	8	0.43
FBN35B24D17	24	17	5×2.3	6	78.0	72.974	53	22	8	0.43
FBN35B24D18	24	18	6×2.8	6	78.0	72.974	53	22	8	0.43
FBN35B24D19	24	19	6×2.8	6	78.0	72.974	53	22	8	0.43
FBN35B24D20	24	20	6×2.8	6	78.0	72.974	53	22	8	0.43
FBN35B24D22	24	22	6×2.8	6	78.0	72.974	53	22	8	0.43
FBN35B24D24	24	24	8×3.3	8	78.0	72.974	53	22	8	0.43
FBN35B24D25	24	25	8×3.3	8	78.0	72.974	53	22	8	0.43
FBN35B24D28	24	28	8×3.3	8	78.0	72.974	53	22	8	0.43
FBN35B24D30	24	30	8×3.3	8	78.0	72.974	53	22	8	0.43
FBN35B24D32	24	32	10×3.3	8	78.0	72.974	53	22	8	0.43
FBN35B25D15	25	15	5×2.3	6	81.0	75.997	53	22	8	0.44
FBN35B25D16	25	16	5×2.3	6	81.0	75.997	53	22	8	0.44
FBN35B25D17	25	17	5×2.3	6	81.0	75.997	53	22	8	0.44
FBN35B25D18	25	18	6×2.8	6	81.0	75.997	53	22	8	0.44
FBN35B25D19	25	19	6×2.8	6	81.0	75.997	53	22	8	0.44
FBN35B25D20	25	20	6×2.8	6	81.0	75.997	53	22	8	0.44
FBN35B25D22	25	22	6×2.8	6	81.0	75.997	53	22	8	0.44
FBN35B25D24	25	24	8×3.3	8	81.0	75.997	53	22	8	0.44
FBN35B25D25	25	25	8×3.3	8	81.0	75.997	53	22	8	0.44
FBN35B25D28	25	28	8×3.3	8	81.0	75.997	53	22	8	0.44
FBN35B25D30	25	30	8×3.3	8	81.0	75.997	53	22	8	0.44
FBN35B25D32	25	32	10×3.3	8	81.0	75.997	53	22	8	0.44
FBN35B26D15	26	15	5×2.3	6	84.0	79.022	53	22	8	0.45
FBN35B26D16	26	16	5×2.3	6	84.0	79.022	53	22	8	0.45
FBN35B26D17	26	17	5×2.3	6	84.0	79.022	53	22	8	0.45
FBN35B26D18	26	18	6×2.8	6	84.0	79.022	53	22	8	0.45
FBN35B26D19	26	19	6×2.8	6	84.0	79.022	53	22	8	0.45

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN35B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN35B26D20	26	20	6×2.8	6	84.0	79.022	53	22	8	0.45
FBN35B26D22	26	22	6×2.8	6	84.0	79.022	53	22	8	0.45
FBN35B26D24	26	24	8×3.3	8	84.0	79.022	53	22	8	0.45
FBN35B26D25	26	25	8×3.3	8	84.0	79.022	53	22	8	0.45
FBN35B26D28	26	28	8×3.3	8	84.0	79.022	53	22	8	0.45
FBN35B26D30	26	30	8×3.3	8	84.0	79.022	53	22	8	0.45
FBN35B26D32	26	32	10×3.3	8	84.0	79.022	53	22	8	0.45
FBN35B27D15	27	15	5×2.3	6	87.0	82.046	53	22	8	0.46
FBN35B27D16	27	16	5×2.3	6	87.0	82.046	53	22	8	0.46
FBN35B27D17	27	17	5×2.3	6	87.0	82.046	53	22	8	0.46
FBN35B27D18	27	18	6×2.8	6	87.0	82.046	53	22	8	0.46
FBN35B27D19	27	19	6×2.8	6	87.0	82.046	53	22	8	0.46
FBN35B27D20	27	20	6×2.8	6	87.0	82.046	53	22	8	0.46
FBN35B27D22	27	22	6×2.8	6	87.0	82.046	53	22	8	0.46
FBN35B27D24	27	24	8×3.3	8	87.0	82.046	53	22	8	0.46
FBN35B27D25	27	25	8×3.3	8	87.0	82.046	53	22	8	0.46
FBN35B27D28	27	28	8×3.3	8	87.0	82.046	53	22	8	0.46
FBN35B27D30	27	30	8×3.3	8	87.0	82.046	53	22	8	0.46
FBN35B27D32	27	32	10×3.3	8	87.0	82.046	53	22	8	0.46
FBN35B28D15	28	15	5×2.3	6	90.0	85.072	53	22	8	0.48
FBN35B28D16	28	16	5×2.3	6	90.0	85.072	53	22	8	0.48
FBN35B28D17	28	17	5×2.3	6	90.0	85.072	53	22	8	0.48
FBN35B28D18	28	18	6×2.8	6	90.0	85.072	53	22	8	0.48
FBN35B28D19	28	19	6×2.8	6	90.0	85.072	53	22	8	0.48
FBN35B28D20	28	20	6×2.8	6	90.0	85.072	53	22	8	0.48
FBN35B28D22	28	22	6×2.8	6	90.0	85.072	53	22	8	0.48
FBN35B28D24	28	24	8×3.3	8	90.0	85.072	53	22	8	0.48
FBN35B28D25	28	25	8×3.3	8	90.0	85.072	53	22	8	0.48
FBN35B28D28	28	28	8×3.3	8	90.0	85.072	53	22	8	0.48
FBN35B28D30	28	30	8×3.3	8	90.0	85.072	53	22	8	0.48
FBN35B28D32	28	32	10×3.3	8	90.0	85.072	53	22	8	0.48
FBN35B30D15	30	15	5×2.3	6	96.0	91.124	53	22	8	0.51
FBN35B30D16	30	16	5×2.3	6	96.0	91.124	53	22	8	0.51
FBN35B30D17	30	17	5×2.3	6	96.0	91.124	53	22	8	0.51
FBN35B30D18	30	18	6×2.8	6	96.0	91.124	53	22	8	0.51
FBN35B30D19	30	19	6×2.8	6	96.0	91.124	53	22	8	0.51

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN35B

FBN Finished Bore Sprocket **D10 K4×1.8 Specification**
FBN Finished Bore Sprocket **New JIS Keyway Specification**

Order Product Code

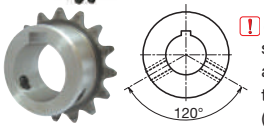
FBN35B16D10

TYPE — No. of Teeth — ϕD^{H7}

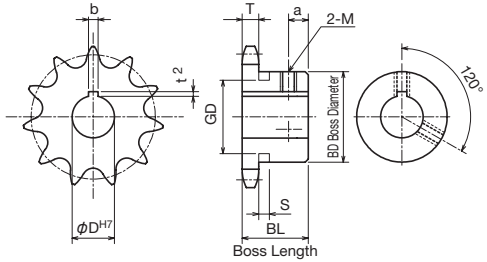
Sprocket No.

- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm**

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE **FBN35B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN35B30D20	30	20	6×2.8	6	96.0	91.124	53	22	8	0.51
FBN35B30D22	30	22	6×2.8	6	96.0	91.124	53	22	8	0.51
FBN35B30D24	30	24	8×3.3	8	96.0	91.124	53	22	8	0.51
FBN35B30D25	30	25	8×3.3	8	96.0	91.124	53	22	8	0.51
FBN35B30D28	30	28	8×3.3	8	96.0	91.124	53	22	8	0.51
FBN35B30D30	30	30	8×3.3	8	96.0	91.124	53	22	8	0.51
FBN35B30D32	30	32	10×3.3	8	96.0	91.124	53	22	8	0.51
FBN35B32D15	32	15	5×2.3	6	102.0	97.177	53	22	8	0.54
FBN35B32D16	32	16	5×2.3	6	102.0	97.177	53	22	8	0.54
FBN35B32D17	32	17	5×2.3	6	102.0	97.177	53	22	8	0.54
FBN35B32D18	32	18	6×2.8	6	102.0	97.177	53	22	8	0.54
FBN35B32D19	32	19	6×2.8	6	102.0	97.177	53	22	8	0.54
FBN35B32D20	32	20	6×2.8	6	102.0	97.177	53	22	8	0.54
FBN35B32D22	32	22	6×2.8	6	102.0	97.177	53	22	8	0.54
FBN35B32D24	32	24	8×3.3	8	102.0	97.177	53	22	8	0.54
FBN35B32D25	32	25	8×3.3	8	102.0	97.177	53	22	8	0.54
FBN35B32D28	32	28	8×3.3	8	102.0	97.177	53	22	8	0.54
FBN35B32D30	32	30	8×3.3	8	102.0	97.177	53	22	8	0.54
FBN35B32D32	32	32	10×3.3	8	102.0	97.177	53	22	8	0.54
FBN35B34D15	34	15	5×2.3	6	109.0	103.231	53	22	8	0.57
FBN35B34D16	34	16	5×2.3	6	109.0	103.231	53	22	8	0.57
FBN35B34D17	34	17	5×2.3	6	109.0	103.231	53	22	8	0.57
FBN35B34D18	34	18	6×2.8	6	109.0	103.231	53	22	8	0.57
FBN35B34D19	34	19	6×2.8	6	109.0	103.231	53	22	8	0.57
FBN35B34D20	34	20	6×2.8	6	109.0	103.231	53	22	8	0.57
FBN35B34D22	34	22	6×2.8	6	109.0	103.231	53	22	8	0.57
FBN35B34D24	34	24	8×3.3	8	109.0	103.231	53	22	8	0.57
FBN35B34D25	34	25	8×3.3	8	109.0	103.231	53	22	8	0.57
FBN35B34D28	34	28	8×3.3	8	109.0	103.231	53	22	8	0.57
FBN35B34D30	34	30	8×3.3	8	109.0	103.231	53	22	8	0.57
FBN35B34D32	34	32	10×3.3	8	109.0	103.231	53	22	8	0.57
FBN35B35D15	35	15	5×2.3	6	112.0	106.259	53	22	8	0.59
FBN35B35D16	35	16	5×2.3	6	112.0	106.259	53	22	8	0.59
FBN35B35D17	35	17	5×2.3	6	112.0	106.259	53	22	8	0.59
FBN35B35D18	35	18	6×2.8	6	112.0	106.259	53	22	8	0.59
FBN35B35D19	35	19	6×2.8	6	112.0	106.259	53	22	8	0.59

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE **FBN35B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN35B35D20	35	20	6×2.8	6	112.0	106.259	53	22	8	0.59
FBN35B35D22	35	22	6×2.8	6	112.0	106.259	53	22	8	0.59
FBN35B35D24	35	24	8×3.3	8	112.0	106.259	53	22	8	0.59
FBN35B35D25	35	25	8×3.3	8	112.0	106.259	53	22	8	0.59
FBN35B35D28	35	28	8×3.3	8	112.0	106.259	53	22	8	0.59
FBN35B35D30	35	30	8×3.3	8	112.0	106.259	53	22	8	0.59
FBN35B35D32	35	32	10×3.3	8	112.0	106.259	53	22	8	0.59
FBN35B36D15	36	15	5×2.3	6	115.0	109.287	53	22	8	0.61
FBN35B36D16	36	16	5×2.3	6	115.0	109.287	53	22	8	0.61
FBN35B36D17	36	17	5×2.3	6	115.0	109.287	53	22	8	0.61
FBN35B36D18	36	18	6×2.8	6	115.0	109.287	53	22	8	0.61
FBN35B36D19	36	19	6×2.8	6	115.0	109.287	53	22	8	0.61
FBN35B36D20	36	20	6×2.8	6	115.0	109.287	53	22	8	0.61
FBN35B36D22	36	22	6×2.8	6	115.0	109.287	53	22	8	0.61
FBN35B36D24	36	24	8×3.3	8	115.0	109.287	53	22	8	0.61
FBN35B36D25	36	25	8×3.3	8	115.0	109.287	53	22	8	0.61
FBN35B36D28	36	28	8×3.3	8	115.0	109.287	53	22	8	0.61
FBN35B36D30	36	30	8×3.3	8	115.0	109.287	53	22	8	0.61
FBN35B36D32	36	32	10×3.3	8	115.0	109.287	53	22	8	0.61
FBN35B38D20	38	20	6×2.8	6	121.0	115.344	63	25	10	0.82
FBN35B38D22	38	22	6×2.8	6	121.0	115.344	63	25	10	0.82
FBN35B38D24	38	24	8×3.3	8	121.0	115.344	63	25	10	0.82
FBN35B38D25	38	25	8×3.3	8	121.0	115.344	63	25	10	0.82
FBN35B38D28	38	28	8×3.3	8	121.0	115.344	63	25	10	0.82
FBN35B38D30	38	30	8×3.3	8	121.0	115.344	63	25	10	0.82
FBN35B38D32	38	32	10×3.3	8	121.0	115.344	63	25	10	0.82
FBN35B38D35	38	35	10×3.3	8	121.0	115.344	63	25	10	0.82
FBN35B38D38	38	38	10×3.3	8	121.0	115.344	63	25	10	0.82
FBN35B40D20	40	20	6×2.8	6	127.0	121.401	63	25	10	0.85
FBN35B40D22	40	22	6×2.8	6	127.0	121.401	63	25	10	0.85
FBN35B40D24	40	24	8×3.3	8	127.0	121.401	63	25	10	0.85
FBN35B40D25	40	25	8×3.3	8	127.0	121.401	63	25	10	0.85
FBN35B40D28	40	28	8×3.3	8	127.0	121.401	63	25	10	0.85
FBN35B40D30	40	30	8×3.3	8	127.0	121.401	63	25	10	0.85
FBN35B40D32	40	32	10×3.3	8	127.0	121.401	63	25	10	0.85
FBN35B40D35	40	35	10×3.3	8	127.0	121.401	63	25	10	0.85
FBN35B40D38	40	38	10×3.3	8	127.0	121.401	63	25	10	0.85

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

SUSFBN35B

Order Product Code

SUSFBN35B 17 D12

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

Order Product Code (□ Part is a special shaft diameter specification only)

SUSFBN35B 12 D10 K4

TYPE — No. of Teeth — ϕD^{H7} — Keyway

Sprocket No.

- Chain No.35
- Chain Pitch .....(P) 9.525 mm
- Bushing Link Inner Width .....(W) 4.78 mm
- Bushing Outside Diameter .....(Dr) 5.08 mm
- Tooth Width .....(T) 4.3 mm

TYPE SUSFBN35B

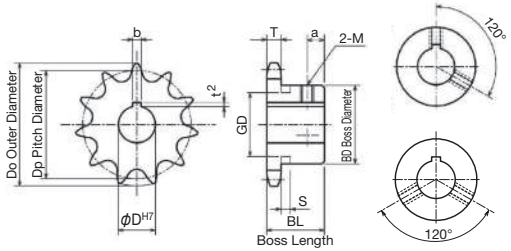
m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN35B10D10	10	10	3×1.4	4	34	30.82	★24.5	20	6	0.08
SUSFBN35B10D10K4	10	10	4×1.8	4	34	30.82	★24.5	20	6	0.08
SUSFBN35B10D12	10	12	4×1.8	5	34	30.82	★24.5	20	6	0.08
SUSFBN35B11D10	11	10	3×1.4	4	38	33.81	★27	20	6	0.09
SUSFBN35B11D10K4	11	10	4×1.8	4	38	33.81	★27	20	6	0.09
SUSFBN35B11D12	11	12	4×1.8	5	38	33.81	★27	20	6	0.09
SUSFBN35B12D10	12	10	3×1.4	4	41	36.80	★30.5	20	6	0.12
SUSFBN35B12D10K4	12	10	4×1.8	4	41	36.80	★30.5	20	6	0.12
SUSFBN35B12D12	12	12	4×1.8	5	41	36.80	★30.5	20	6	0.12
SUSFBN35B12D15	12	15	5×2.3	6	41	36.80	★30.5	20	6	0.12
SUSFBN35B13D10	13	10	3×1.4	4	44	39.80	★32	20	6	0.12
SUSFBN35B13D10K4	13	10	4×1.8	4	44	39.80	★32	20	6	0.12
SUSFBN35B13D12	13	12	4×1.8	5	44	39.80	★32	20	6	0.12
SUSFBN35B13D15	13	15	5×2.3	6	44	39.80	★32	20	6	0.12
SUSFBN35B13D16	13	16	5×2.3	6	44	39.80	★32	20	6	0.12
SUSFBN35B13D18	13	18	6×2.8	6	44	39.80	★32	20	6	0.12
SUSFBN35B13D20	13	20	6×2.8	6	44	39.80	★32	20	6	0.12
SUSFBN35B14D10	14	10	3×1.4	4	47	42.81	32	20	6	0.12
SUSFBN35B14D10K4	14	10	4×1.8	4	47	42.81	32	20	6	0.12
SUSFBN35B14D12	14	12	4×1.8	5	47	42.81	32	20	6	0.12
SUSFBN35B14D15	14	15	5×2.3	6	47	42.81	32	20	6	0.12
SUSFBN35B14D16	14	16	5×2.3	6	47	42.81	32	20	6	0.12
SUSFBN35B15D10	15	10	3×1.4	4	51	45.81	35	20	6	0.16
SUSFBN35B15D10K4	15	10	4×1.8	4	51	45.81	35	20	6	0.16
SUSFBN35B15D12	15	12	4×1.8	5	51	45.81	35	20	6	0.16
SUSFBN35B15D15	15	15	5×2.3	6	51	45.81	35	20	6	0.16
SUSFBN35B15D16	15	16	5×2.3	6	51	45.81	35	20	6	0.16
SUSFBN35B15D18	15	18	6×2.8	6	51	45.81	35	20	6	0.16
SUSFBN35B15D20	15	20	6×2.8	6	51	45.81	35	20	6	0.16
SUSFBN35B16D10	16	10	3×1.4	4	54	48.82	37	20	6	0.19
SUSFBN35B16D10K4	16	10	4×1.8	4	54	48.82	37	20	6	0.19
SUSFBN35B16D12	16	12	4×1.8	5	54	48.82	37	20	6	0.19
SUSFBN35B16D15	16	15	5×2.3	6	54	48.82	37	20	6	0.19
SUSFBN35B16D16	16	16	5×2.3	6	54	48.82	37	20	6	0.19
SUSFBN35B16D18	16	18	6×2.8	6	54	48.82	37	20	6	0.19
SUSFBN35B16D20	16	20	6×2.8	6	54	48.82	37	20	6	0.19
SUSFBN35B17D12	17	12	4×1.8	5	57	51.84	41	20	6	0.22
SUSFBN35B17D15	17	15	5×2.3	6	57	51.84	41	20	6	0.22
SUSFBN35B17D16	17	16	5×2.3	6	57	51.84	41	20	6	0.22
SUSFBN35B17D18	17	18	6×2.8	6	57	51.84	41	20	6	0.22

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

SUS FBN Finished Bore Sprocket D10 K4×1.8 Specification
SUS FBN Finished Bore Sprocket New JIS Keyway Specification

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (above figure).

TYPE SUSFBN35B

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN35B17D20	17	20	6×2.8	6	57	51.84	41	20	6	0.22
SUSFBN35B17D24	17	24	8×3.3	8	57	51.84	41	20	6	0.22
SUSFBN35B18D12	18	12	4×1.8	5	60	54.85	44	20	6	0.25
SUSFBN35B18D15	18	15	5×2.3	6	60	54.85	44	20	6	0.25
SUSFBN35B18D16	18	16	5×2.3	6	60	54.85	44	20	6	0.25
SUSFBN35B18D18	18	18	6×2.8	6	60	54.85	44	20	6	0.25
SUSFBN35B18D20	18	20	6×2.8	6	60	54.85	44	20	6	0.25
SUSFBN35B20D12	20	12	4×1.8	5	66	60.89	50	20	6	0.32
SUSFBN35B20D15	20	15	5×2.3	6	66	60.89	50	20	6	0.32
SUSFBN35B20D16	20	16	5×2.3	6	66	60.89	50	20	6	0.32
SUSFBN35B20D18	20	18	6×2.8	6	66	60.89	50	20	6	0.32
SUSFBN35B20D20	20	20	6×2.8	6	66	60.89	50	20	6	0.32
SUSFBN35B20D25	20	25	8×3.3	8	66	60.89	50	20	6	0.32
SUSFBN35B21D12	21	12	4×1.8	5	69	63.91	53	20	6	0.36
SUSFBN35B21D15	21	15	5×2.3	6	69	63.91	53	20	6	0.36
SUSFBN35B21D16	21	16	5×2.3	6	69	63.91	53	20	6	0.36
SUSFBN35B21D18	21	18	6×2.8	6	69	63.91	53	20	6	0.36
SUSFBN35B21D20	21	20	6×2.8	6	69	63.91	53	20	6	0.36
SUSFBN35B21D30	21	30	8×3.3	8	69	63.91	53	20	6	0.36
SUSFBN35B22D12	22	12	4×1.8	5	72	66.93	56	20	6	0.37
SUSFBN35B22D15	22	15	5×2.3	6	72	66.93	56	20	6	0.37
SUSFBN35B22D16	22	16	5×2.3	6	72	66.93	56	20	6	0.37
SUSFBN35B22D18	22	18	6×2.8	6	72	66.93	56	20	6	0.37
SUSFBN35B22D20	22	20	6×2.8	6	72	66.93	56	20	6	0.37
SUSFBN35B23D12	23	12	4×1.8	5	75	69.95	60	20	6	0.38
SUSFBN35B23D15	23	15	5×2.3	6	75	69.95	60	20	6	0.38

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	4.4	17
10		20
11	4.4	23
12		26
13	4.4	29

☆Special Shaft Hole Machined Specification

ϕD^{H7}	Keyway b×t²	Set screw M
10	4×1.8	4

∗□Parts only can be selected for special shaft hole machining.

Caution

∗ If you order a special shaft diameter specification, please append K4 after the hole diameter.
Example: SUSFBN35B12D10K4
∗ Products with long screw holes also include products subject to counter boring

SUSFBN35B

Order Product Code

SUSFBN35B 17 D12

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm**

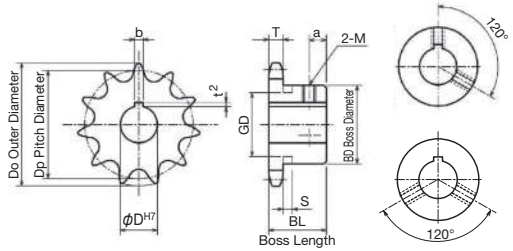
TYPE **SUSFBN35B**

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN35B23D16	23	16	5×2.3	6	75	69.95	60	20	6	0.38
SUSFBN35B23D18	23	18	6×2.8	6	75	69.95	60	20	6	0.38
SUSFBN35B23D20	23	20	6×2.8	6	75	69.95	60	20	6	0.38
SUSFBN35B24D12	24	12	4×1.8	5	78	72.97	53	22	8	0.43
SUSFBN35B24D15	24	15	5×2.3	6	78	72.97	53	22	8	0.43
SUSFBN35B24D16	24	16	5×2.3	6	78	72.97	53	22	8	0.43
SUSFBN35B24D18	24	18	6×2.8	6	78	72.97	53	22	8	0.43
SUSFBN35B24D20	24	20	6×2.8	6	78	72.97	53	22	8	0.43
SUSFBN35B24D22	24	22	6×2.8	6	78	72.97	53	22	8	0.43
SUSFBN35B24D25	24	25	8×3.3	8	78	72.97	53	22	8	0.43
SUSFBN35B30D15	30	15	5×2.3	6	96	91.12	53	22	8	0.51
SUSFBN35B30D16	30	16	5×2.3	6	96	91.12	53	22	8	0.51
SUSFBN35B30D18	30	18	6×2.8	6	96	91.12	53	22	8	0.51
SUSFBN35B30D20	30	20	6×2.8	6	96	91.12	53	22	8	0.51

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Use together with the KANA machine key.
Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (above figure).

TYPE **SUSFBN35B**

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN35B30D22	30	22	6×2.8	6	96	91.12	53	22	8	0.51
SUSFBN35B30D25	30	25	8×3.3	8	96	91.12	53	22	8	0.51
SUSFBN35B32D15	32	15	5×2.3	6	102	97.18	53	22	8	0.54
SUSFBN35B32D16	32	16	5×2.3	6	102	97.18	53	22	8	0.54
SUSFBN35B32D18	32	18	6×2.8	6	102	97.18	53	22	8	0.54
SUSFBN35B32D20	32	20	6×2.8	6	102	97.18	53	22	8	0.54
SUSFBN35B32D22	32	22	6×2.8	6	102	97.18	53	22	8	0.54
SUSFBN35B32D25	32	25	8×3.3	8	102	97.18	53	22	8	0.54
SUSFBN35B40D18	40	18	6×2.8	6	127	121.40	63	25	10	0.85
SUSFBN35B40D20	40	20	6×2.8	6	127	121.40	63	25	10	0.85
SUSFBN35B40D22	40	22	6×2.8	6	127	121.40	63	25	10	0.85
SUSFBN35B40D25	40	25	8×3.3	8	127	121.40	63	25	10	0.85
SUSFBN35B40D30	40	30	8×3.3	8	127	121.40	63	25	10	0.85

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

! Caution

∗ Products with long screw holes also include products subject to counter boring

35A

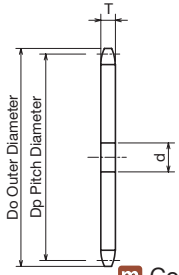
Standard Sprocket A-type

Order Product Code

35A 12

TYPE No. of Teeth

Sprocket No.

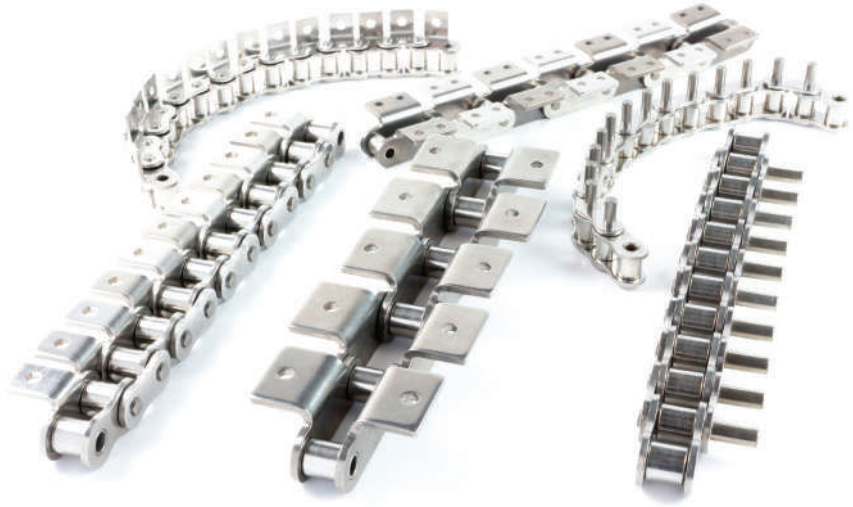


- Chain No.35
- Chain Pitch .....(P) 9.525 mm
- Bushing Link Inner Width .....(W) 4.78 mm
- Bushing Outside Diameter .....(Dr) 5.08 mm
- Tooth Width .....(T) 4.3 mm

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
35A	10	35	30.824	8	9	0.02
	11	38	33.809	8	9	0.03
	12	41	36.802	9	10	0.03
	13	44	39.801	9	10	0.04
	14	47	42.805	9	10	0.04
	15	51	45.813	9	10	0.05
	16	54	48.824	9	10	0.05
	17	57	51.837	11	12	0.07
	18	60	54.852	11	12	0.07
	19	63	57.869	11	12	0.09
	20	66	60.888	11	12	0.09
	21	69	63.908	11	12	0.11
	22	72	66.929	11	12	0.11
	23	75	69.951	11	12	0.11
	24	78	72.974	11	12	0.14
	25	81	75.997	11	12	0.16
	26	84	79.022	11	12	0.16
	27	87	82.046	11	12	0.17
	28	90	85.072	11	12	0.18
	30	96	91.124	11	12	0.23
	32	102	97.177	11	12	0.27
	33	105	100.204	11	12	0.28
	34	109	103.231	11	12	0.29
	35	112	106.259	11	12	0.30
	36	115	109.287	12	13	0.32
	38	121	115.344	12	13	0.41
	40	127	121.401	12	13	0.41
	42	133	127.459	14	15	0.43
	45	142	136.546	14	15	0.49
	46	145	139.576	14	15	0.51
	48	151	145.635	14	15	0.55
	50	157	151.695	14	15	0.60
	54	169	163.815	14	15	0.70
	55	172	166.845	14	15	0.71
	60	187	181.997	14	15	0.80
	65	203	197.150	16	17	1.02
	70	218	212.304	16	17	1.18
	80	248	242.614	16	17	1.50

MEMO



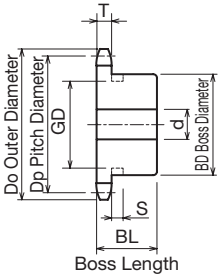
NK35B

Order Product Code

NK35B 24

TYPE No. of Teeth

Sprocket No.



- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm**

∗ □ is of the same specification as K35B on P.154

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK35B	8	29	24.890	8	9	10	★18.5	20	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.04
	9	32	27.849	8	9	11	★21.5	20			0.05
	10	35	30.824	8	9	12	★24.5	20			0.08
	11	38	33.809	8	9	14	★27	20			0.09
	12	41	36.802	9	10	16	★30.5	20			0.12
	13	44	39.801	9	10	18	★32	20			0.12
	14	47	42.805	9	10	18	32	20			0.12
	15	51	45.813	9	10	20	35	20			0.16
	16	54	48.824	9	10	20	37	20			0.19
	17	57	51.837	11	12	25	41	20			0.22
	18	60	54.852	11	12	25	44	20			0.25
	19	63	57.869	11	12	28	47	20			0.28
	20	66	60.888	11	12	30	50	20			0.32
	21	69	63.908	11	12	32	53	20			0.36
	22	72	66.929	11	12	35	56	20			0.37
	23	75	69.951	11	12	38	60	20			0.38
	24	78	72.974	11	12	32	53	22			0.43
	25	81	75.997	11	12	32	53	22			0.44
	26	84	79.022	11	12	32	53	22			0.45
	27	87	82.046	11	12	32	53	22			0.46
	28	90	85.072	11	12	32	53	22			0.48
	29	93	88.097	11	12	32	53	22			0.49
	30	96	91.124	11	12	32	53	22			0.51
	31	99	94.150	11	12	32	53	22			0.53
	32	102	97.177	11	12	32	53	22			0.54
	33	105	100.204	11	12	32	53	22			0.56
	34	109	103.231	11	12	32	53	22			0.57
	35	112	106.259	11	12	32	53	22			0.59
	36	115	109.287	12	13	32	53	22			0.61
	37	118	112.315	12	13	42	63	25			0.80
	38	121	115.344	12	13	42	63	25			0.82
	39	124	118.372	12	13	42	63	25			0.84
	40	127	121.401	12	13	42	63	25			0.85

Use together with the KANA machine key.
Refer to P.334 to P.335

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK35B	41	130	124.430	14	15	42	63	25	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.91
	42	133	127.459	14	15	42	63	25			0.93
	43	136	130.488	14	15	42	63	25			0.95
	44	139	133.517	14	15	42	63	25			0.97
	45	142	136.546	14	15	42	63	25			1.00
	46	145	139.576	14	15	42	63	25			1.01
	47	148	142.606	14	15	42	63	25			1.03
	48	151	145.635	14	15	42	63	25			1.05
	50	157	151.695	14	15	42	63	25			1.07
	53	166	160.785	14	15	42	63	25			1.09
	54	169	163.815	14	15	42	63	25			1.10
	55	172	166.845	14	15	42	63	25			1.25
	60	187	181.997	14	15	42	63	25			1.30
	64	200	194.120	16	17	42	63	25			1.46
	65	203	197.150	16	17	45	68	25			1.67
	70	218	212.304	16	17	45	68	25			1.80
	75	233	227.459	16	17	45	68	25			1.90
	80	248	242.614	16	17	45	68	25			2.40

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
8	4.4	14
9		17
10	4.4	20
11		23
12	4.4	26
13		29

K35B

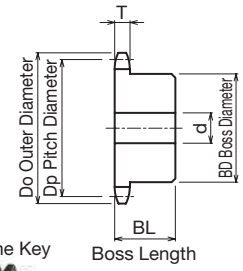
K Sprocket Former B-type

Order Product Code

K35B 12

TYPE No. of Teeth

Sprocket No.



Use together with the KANA machine key.
Refer to P.334 to P.335

- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
K35B	10	35	30.824	8	9	10	20	20	Ground Specification	0.06
	11	38	33.809	8	9	10	20	20		0.08
	12	41	36.802	9	10	14	27	20		0.09
	13	44	39.801	9	10	14	27	20		0.10
	14	The dimensions for K35B14 to 23 are relocated, as they are equivalent to those of NK35B14 to 23. **Please see NK35B P.152 about this product.**								
	15									
	16									
	17									
	18									
	19									
	20									
	21									
	22									
	23									
	24	78	72.974	11	12	38	60	25	Ground Specification	0.59
	25	81	75.997	11	12	38	60	25		0.60
	26	84	79.022	11	12	38	60	25		0.60
	28	90	85.072	11	12	38	60	25		0.62
	30	96	91.124	11	12	38	60	25		0.65
	33	105	100.204	11	12	38	60	25		0.68
	37	118	112.315	12	13	35	55	35		0.91
	38	121	115.344	12	13	35	55	35		0.93
	39	124	118.372	12	13	35	55	35		0.95
	40	127	121.401	12	13	35	55	35		0.97

SUS35B

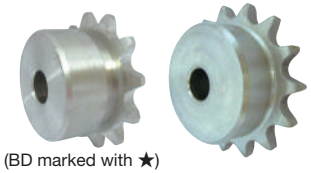
SUS Stainless Steel Sprocket B-type

Order Product Code

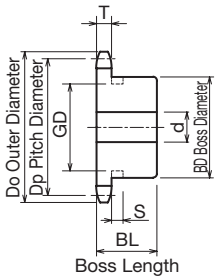
SUS35B 20

TYPE No. of Teeth

Sprocket No.



(BD marked with ★)



Use together with the KANA machine key. Refer to P.334 to P.335

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	4.4	17
10	4.4	20
11		23
12	4.4	26
13		29

- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm**

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS35B	9	32	27.849	8	9	11	★21.5	20	Ground Specification	0.06
	10	35	30.824	8	9	12	★24.5	20		0.08
	11	38	33.809	8	9	14	★27	20		0.09
	12	41	36.802	9	10	16	★30.5	20		0.12
	13	44	39.801	9	10	18	★32	20		0.12
	14	47	42.805	9	10	18	32	20		0.12
	15	51	45.813	9	10	20	35	20		0.16
	16	54	48.824	9	10	20	37	20		0.19
	17	57	51.837	11	12	25	41	20		0.22
	18	60	54.852	11	12	25	44	20		0.25
	19	63	57.869	11	12	28	47	20		0.28
	20	66	60.888	11	12	30	50	20		0.32
	21	69	63.908	11	12	32	53	20		0.36
	22	72	66.929	11	12	35	56	20		0.37
	23	75	69.951	11	12	38	60	20		0.38
	24	78	72.974	11	12	32	53	22		0.43
	25	81	75.997	11	12	32	53	22		0.44
	26	84	79.022	11	12	32	53	22		0.45
	27	87	82.046	11	12	32	53	22		0.46
	28	90	85.072	11	12	32	53	22		0.48
	30	96	91.124	11	12	32	53	22		0.51
	32	102	97.177	11	12	32	53	22		0.54
	34	109	103.231	11	12	32	53	22		0.57
	35	112	106.259	11	12	32	53	22		0.59
	36	115	109.287	12	13	32	53	22		0.61
	38	121	115.344	12	13	42	63	25		0.82
	40	127	121.401	12	13	42	63	25		0.85

35SD

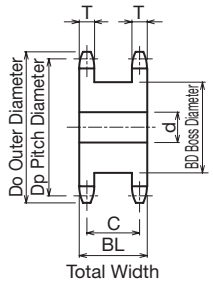
SD Single-Double Sprocket

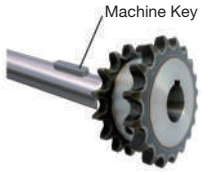
Order Product Code

35SD 20

TYPE No. of Teeth

Sprocket No.





Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.35**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.3 mm (C) 15.7mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
				Prepared Hole	Minimum	Maximum			
35SD	12	41	36.802	10	11	15	24	20	0.12
	13	44	39.801	10	11	16	28	20	0.13
	14	47	42.805	10	11	16	30	20	0.15
	15	51	45.813	10	11	20	35	20	0.19
	16	54	48.824	10	11	20	37	20	0.22
	17	57	51.837	10	11	25	41	20	0.25
	18	60	54.852	10	11	25	44	20	0.28
	19	63	57.869	10	11	28	47	20	0.32
	20	66	60.888	12	13	30	50	20	0.36
	21	69	63.908	12	13	32	53	20	0.40
	22	72	66.929	12	13	35	56	20	0.45
	23	75	69.951	15	16	38	59	20	0.49
	24	78	72.974	15	16	40	62	20	0.54
	25	81	75.997	15	16	42	65	20	0.59
	26	84	79.022	15	16	45	68	20	0.60
	27	87	82.046	15	16	48	71	20	0.69
	28	90	85.072	15	16	50	74	20	0.75
	30	96	91.124	15	16	52	80	20	0.87

NK35-2B

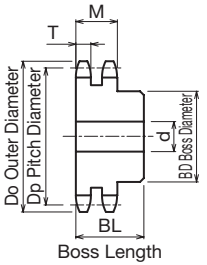
Standard Sprocket Two-row B-type

Order Product Code

NK35-2B 15

TYPE No. of Teeth

Sprocket No.



Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.35-2**
- Chain Pitch .....**(P) 9.525 mm**
- Bushing Link Inner Width .....**(W) 4.78 mm**
- Bushing Outside Diameter .....**(Dr) 5.08 mm**
- Tooth Width .....**(T) 4.1 mm**
- Complete Tooth Width .....**(M) 14.2 mm**

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK35-2B	10	35	30.824	10	11	12	20	30	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.10
	11	38	33.809	10	11	12	23	30			0.11
	12	41	36.802	10	11	14	26	30			0.14
	13	44	39.801	10	11	14	27	30			0.17
	14	47	42.805	10	11	18	32	30			0.21
	15	51	45.813	10	11	20	35	30			0.25
	16	54	48.824	10	11	20	38	30			0.29
	17	57	51.837	10	11	22	41	30			0.34
	18	60	54.852	10	11	25	44	35			0.45
	19	63	57.869	10	11	28	47	35			0.51
	20	66	60.888	12	13	30	50	40			0.64
	21	69	63.908	12	13	30	50	40			0.64
	22	72	66.929	12	13	32	55	40			0.67
	24	78	72.974	15	16	38	60	40			0.82
	25	81	75.997	15	16	38	60	40			0.92
	28	90	85.072	15	16	42	65	45			1.26
	30	96	91.124	15	16	42	65	45			1.34
	32	102	97.177	15	16	42	65	45			1.43
	40	127	121.401	15	16	42	65	45			2.30
	45	142	136.546	19	20	55	83	45			2.84
	50	157	151.695	19	20	55	83	45			3.22
	60	187	181.997	19	20	63	93	50			4.70

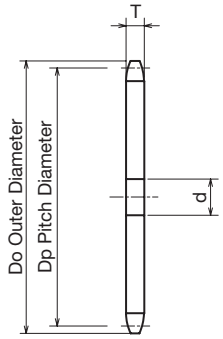
410A

Order Product Code

410A 15

TYPE — No. of Teeth

Sprocket No.



- Chain No.410
- Chain Pitch .....(P) 12.70mm
- Roller Link Inner Width .....(W) 3.40mm
- Roller Outside Diameter .....(Dr) 7.75mm
- Tooth Width .....(T) 2.8 mm

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
410A	8	39	33.187	8	9	0.01
	9	43	37.132	8	9	0.02
	10	47	41.098	9	10	0.05
	11	51	45.078	10	11	0.09
	12	55	49.069	10	11	0.10
	13	59	53.068	12	13	0.12
	14	63	57.073	12	13	0.14
	15	67	61.084	12	13	0.16
	16	71	65.098	13	14	0.18
	17	76	69.116	13	14	0.20
	18	80	73.136	13	14	0.23
	19	84	77.159	13	14	0.26
	20	88	81.184	14	15	0.29
	21	92	85.211	14	15	0.30
	22	96	89.239	14	15	0.35
	23	100	93.268	14	15	0.38
	24	104	97.298	14	15	0.40
	25	108	101.330	14	15	0.45
	26	112	105.362	14	15	0.49
	27	116	109.395	14	15	0.50
	28	120	113.429	14	15	0.56
	29	124	117.463	14	15	0.60
	30	128	121.498	14	15	0.63
	31	133	125.533	14	15	0.65
	32	137	129.569	14	15	0.70

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
410A	33	141	133.605	14	15	0.75
	34	145	137.642	14	15	0.80
	35	149	141.679	14	15	0.85
	36	153	145.716	16	17	0.90
	37	157	149.754	16	17	0.99
	38	161	153.791	16	17	1.00
	39	165	157.830	16	17	1.15
	40	169	161.868	16	17	1.20
	41	173	165.906	16	17	1.20
	42	177	169.945	16	17	1.25
	44	185	178.023	16	17	1.35
	45	189	182.062	16	17	1.40
	46	193	186.101	16	17	1.49
	47	197	190.141	16	17	1.58
	48	201	194.180	16	17	1.63
	49	205	198.220	16	17	1.73
	50	209	202.260	16	17	1.80
	52	218	210.340	16	17	1.93
	54	226	218.420	16	17	2.00
	60	250	242.663	16	17	2.60

K410B

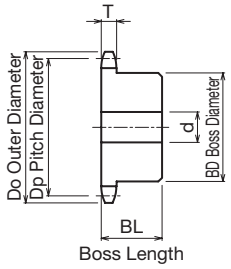
Standard Sprocket B-type

Order Product Code

K410B 15

TYPE — No. of Teeth

Sprocket No.



Use together with the KANA machine key. Refer to P.334 to P.335

- Chain No.410
- Chain Pitch .....(P) 12.70mm
- Roller Link Inner Width .....(W) 3.40mm
- Roller Outside Diameter .....(Dr) 7.75mm
- Tooth Width .....(T) 2.8 mm

m Carbon Structural Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
K410B	10	47	41.098	9	10	16	28	20	Ground Specification	0.14
	11	51	45.078	10	11	16	30	20		0.19
	12	55	49.069	10	11	18	34	20		0.22
	13	59	53.068	12	13	20	38	20		0.23
	14	63	57.073	12	13	25	42	20		0.28
	15	67	61.084	12	13	28	46	20		0.34
	16	71	65.098	13	14	30	50	20		0.40
	17	76	69.116	13	14	32	54	22		0.46
	18	80	73.136	13	14	35	57	22		0.51
	19	84	77.159	13	14	40	62	22		0.59
	20	88	81.184	14	15	45	67	25		0.76
	21	92	85.211	14	15	48	71	25		0.85
	22	96	89.239	14	15	51	75	25		0.95
	23	100	93.268	14	15	51	77	25		1.00
	24	104	97.298	14	15	42	63	25		0.84
	25	108	101.330	14	15	42	63	25		0.88
	26	112	105.362	14	15	42	63	25		0.92
	27	116	109.395	14	15	42	63	25		0.96
	28	120	113.429	14	15	42	63	25		1.00
	29	124	117.463	14	15	42	63	25		1.00
	30	128	121.498	14	15	42	63	25		1.10
	32	137	129.569	14	15	45	68	28		1.30
	34	145	137.642	14	15	45	68	28		1.30
	35	149	141.679	14	15	45	68	28		1.40
	36	153	145.716	16	17	45	68	28		1.50
	40	169	161.868	16	17	45	68	28		1.70

MEMO

Roller Chain Selection Mini Memo

☐ Driving/Driven Shaft Center Distance

The pitch count can be obtained via calculation using the required roller chain length, but in almost all cases the result will be only an approximation of the arbitrary distance between shafts; therefore, rather than the required total length, the distance between shaft centers is used for a more accurate calculation.

$$Cp = \frac{1}{4}\left\{Lp - \frac{N_1+N_2}{2} + \sqrt{\left(Lp - \frac{N_1+N_2}{2}\right)^2 - \frac{2}{\pi^2}(N_2-N_1)^2}\right\}$$

Cp: Shafts Center Distance (Pitch Count)

Lp: Chain Total Length (Pitch Count)

N1: Small Sprocket Teeth Count

N2: Large Sprocket Teeth Count

$\frac{2}{\pi^2}(N_2-N_1)^2$

Can be found in the table at right.

Lp (pitch count) derived from the formula above is very rarely an integer, and is usually a decimal to be rounded up. If the result is an odd number, an offset link can be used, but an even number is preferable.

N_2-N_1	$\frac{2}{\pi^2}(N_2-N_1)^2$	N_2-N_1	$\frac{2}{\pi^2}(N_2-N_1)^2$	N_2-N_1	$\frac{2}{\pi^2}(N_2-N_1)^2$
1	0.20	35	248.49	69	9965.76
2	0.81	36	262.89	70	9993.95
3	1.83	37	277.70	71	1022.56
4	3.25	38	292.91	72	1051.56
5	5.07	39	308.53	73	1080.98
6	7.30	40	324.56	74	1110.80
7	9.94	41	340.99	75	1141.19
8	12.98	42	357.82	76	1171.65
9	16.43	43	375.07	77	1202.69
10	20.28	44	392.71	78	1234.13
11	24.54	45	410.77	79	1265.97
12	29.21	46	429.23	80	1298.23
13	34.28	47	448.09	81	1330.88
14	39.76	48	467.36	82	1363.95
15	45.64	49	487.04	83	1397.42
16	51.93	50	507.12	84	1431.29
17	58.62	51	527.61	85	1465.58
18	65.72	52	548.50	86	1500.26
19	73.23	53	569.80	87	1535.36
20	81.14	54	591.50	88	1570.85
21	89.46	55	613.61	89	1606.76
22	98.18	56	636.13	90	1643.07
23	107.31	57	659.05	91	1679.78
24	116.84	58	682.38	92	1716.90
25	126.78	59	706.11	93	1754.43
26	137.13	60	730.25	94	1792.36
27	147.88	61	754.80	95	1830.70
28	159.03	62	779.75	96	1869.45
29	170.60	63	805.10	97	1908.60
30	182.56	64	830.86	98	1948.15
31	194.94	65	857.03	99	1988.11
32	207.92	66	883.61	100	2028.48
33	220.90	67	910.58		
34	234.49	68	937.97		

FBN40B

Order Product Code

(□Part is a special shaft diameter specification only)

FBN40B12D10 K4

TYPE / No. of Teeth / φD^{H7} / Keyway

Sprocket No.

- Chain No.40
- Chain Pitch .....(P) 12.70mm
- Roller Link Inner Width .....(W) 7.95mm
- Roller Outside Diameter .....(Dr) 7.92mm
- Tooth Width .....(T) 7.2 mm

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9 10	5.2	23 27
11 12	5.2	31 35

☆Special Shaft Hole Machined Specification

φD^{H7}	Keyway b×t^2	Set screw M
10	4×1.8	4

∗□Parts only can be selected for special shaft hole machining.

TYPE **FBN40B**

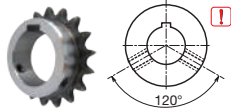
m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	φD^{H7}	Keyway b×t^2	M	Do	Dp	BD	BL	a	Weight kg
FBN40B9D10	9	10	3×1.4	4	42.0	37.132	★28	22	5	0.11
FBN40B9D10K4	9	10	4×1.8	4	42.0	37.132	★28	22	5	0.11
FBN40B9D12	9	12	4×1.8	5	42.0	37.132	★28	22	5	0.11
FBN40B9D14	9	14	5×2.3	6	42.0	37.132	★28	22	5	0.11
FBN40B9D15	9	15	5×2.3	6	42.0	37.132	★28	22	5	0.11
FBN40B10D10	10	10	3×1.4	4	46.0	41.098	★32	22	5	0.14
FBN40B10D10K4	10	10	4×1.8	4	46.0	41.098	★32	22	5	0.14
FBN40B10D12	10	12	4×1.8	5	46.0	41.098	★32	22	5	0.14
FBN40B10D14	10	14	5×2.3	6	46.0	41.098	★32	22	5	0.14
FBN40B10D15	10	15	5×2.3	6	46.0	41.098	★32	22	5	0.14
FBN40B10D16	10	16	5×2.3	6	46.0	41.098	★32	22	5	0.14
FBN40B10D17	10	17	5×2.3	6	46.0	41.098	★32	22	5	0.14
FBN40B10D18	10	18	6×2.8	6	46.0	41.098	★32	22	5	0.14
FBN40B11D10	11	10	3×1.4	4	51.0	45.078	★36	22	5	0.19
FBN40B11D10K4	11	10	4×1.8	4	51.0	45.078	★36	22	5	0.19
FBN40B11D12	11	12	4×1.8	5	51.0	45.078	★36	22	5	0.19
FBN40B11D14	11	14	5×2.3	6	51.0	45.078	★36	22	5	0.19
FBN40B11D15	11	15	5×2.3	6	51.0	45.078	★36	22	5	0.19
FBN40B11D16	11	16	5×2.3	6	51.0	45.078	★36	22	5	0.19
FBN40B11D17	11	17	5×2.3	6	51.0	45.078	★36	22	5	0.19
FBN40B11D18	11	18	6×2.8	6	51.0	45.078	★36	22	5	0.19
FBN40B11D19	11	19	6×2.8	6	51.0	45.078	★36	22	5	0.19
FBN40B11D20	11	20	6×2.8	6	51.0	45.078	★36	22	5	0.19
FBN40B12D10	12	10	3×1.4	4	55.0	49.069	★40	22	5	0.22
FBN40B12D10K4	12	10	4×1.8	4	55.0	49.069	★40	22	5	0.22
FBN40B12D12	12	12	4×1.8	5	55.0	49.069	★40	22	5	0.22
FBN40B12D14	12	14	5×2.3	6	55.0	49.069	★40	22	5	0.22
FBN40B12D15	12	15	5×2.3	6	55.0	49.069	★40	22	5	0.22
FBN40B12D16	12	16	5×2.3	6	55.0	49.069	★40	22	5	0.22
FBN40B12D17	12	17	5×2.3	6	55.0	49.069	★40	22	5	0.22
FBN40B12D18	12	18	6×2.8	6	55.0	49.069	★40	22	5	0.22
FBN40B12D19	12	19	6×2.8	6	55.0	49.069	★40	22	5	0.22
FBN40B12D20	12	20	6×2.8	6	55.0	49.069	★40	22	5	0.22
FBN40B12D22	12	22	6×2.8	6	55.0	49.069	★40	22	5	0.22
FBN40B13D12	13	12	4×1.8	5	59.0	53.068	37	22	6	0.23
FBN40B13D14	13	14	5×2.3	6	59.0	53.068	37	22	6	0.23
FBN40B13D15	13	15	5×2.3	6	59.0	53.068	37	22	6	0.23

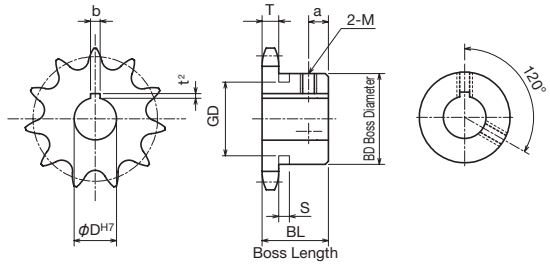
∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335



! φD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE **FBN40B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	φD^{H7}	Keyway b×t^2	M	Do	Dp	BD	BL	a	Weight kg
FBN40B13D16	13	16	5×2.3	6	59.0	53.068	37	22	6	0.23
FBN40B13D17	13	17	5×2.3	6	59.0	53.068	37	22	6	0.23
FBN40B13D18	13	18	6×2.8	6	59.0	53.068	37	22	6	0.23
FBN40B13D19	13	19	6×2.8	6	59.0	53.068	37	22	6	0.23
FBN40B13D20	13	20	6×2.8	6	59.0	53.068	37	22	6	0.23
FBN40B13D22	13	22	6×2.8	6	59.0	53.068	37	22	6	0.23
FBN40B13D24	13	24	8×3.3	8	59.0	53.068	37	22	6	0.23
FBN40B13D25	13	25	8×3.3	8	59.0	53.068	37	22	6	0.23
FBN40B14D12	14	12	4×1.8	5	63.0	57.073	42	22	6	0.28
FBN40B14D14	14	14	5×2.3	6	63.0	57.073	42	22	6	0.28
FBN40B14D15	14	15	5×2.3	6	63.0	57.073	42	22	6	0.28
FBN40B14D16	14	16	5×2.3	6	63.0	57.073	42	22	6	0.28
FBN40B14D17	14	17	5×2.3	6	63.0	57.073	42	22	6	0.28
FBN40B14D18	14	18	6×2.8	6	63.0	57.073	42	22	6	0.28
FBN40B14D19	14	19	6×2.8	6	63.0	57.073	42	22	6	0.28
FBN40B14D20	14	20	6×2.8	6	63.0	57.073	42	22	6	0.28
FBN40B14D22	14	22	6×2.8	6	63.0	57.073	42	22	6	0.28
FBN40B14D24	14	24	8×3.3	8	63.0	57.073	42	22	6	0.28
FBN40B14D25	14	25	8×3.3	∗6	63.0	57.073	42	22	6	0.28
FBN40B14D28	14	28	8×3.3	8	63.0	57.073	42	22	6	0.28
FBN40B15D12	15	12	4×1.8	5	67.0	61.084	46	22	6	0.34
FBN40B15D14	15	14	5×2.3	6	67.0	61.084	46	22	6	0.34
FBN40B15D15	15	15	5×2.3	6	67.0	61.084	46	22	6	0.34
FBN40B15D16	15	16	5×2.3	6	67.0	61.084	46	22	6	0.34
FBN40B15D17	15	17	5×2.3	6	67.0	61.084	46	22	6	0.34
FBN40B15D18	15	18	6×2.8	6	67.0	61.084	46	22	6	0.34
FBN40B15D19	15	19	6×2.8	6	67.0	61.084	46	22	6	0.34
FBN40B15D20	15	20	6×2.8	6	67.0	61.084	46	22	6	0.34
FBN40B15D22	15	22	6×2.8	6	67.0	61.084	46	22	6	0.34
FBN40B15D24	15	24	8×3.3	8	67.0	61.084	46	22	6	0.34
FBN40B15D25	15	25	8×3.3	8	67.0	61.084	46	22	6	0.34
FBN40B15D28	15	28	8×3.3	8	67.0	61.084	46	22	6	0.34
FBN40B15D30	15	30	8×3.3	∗6	67.0	61.084	46	22	6	0.34
FBN40B16D14	16	14	5×2.3	6	71.0	65.098	50	22	6	0.40
FBN40B16D15	16	15	5×2.3	6	71.0	65.098	50	22	6	0.40
FBN40B16D16	16	16	5×2.3	6	71.0	65.098	50	22	6	0.40
FBN40B16D17	16	17	5×2.3	6	71.0	65.098	50	22	6	0.40
FBN40B16D18	16	18	6×2.8	6	71.0	65.098	50	22	6	0.40

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Caution

∗ If you order a special shaft diameter specification, please append K4 after the hole diameter.
Example: FBN40B12D10K4

FBN40B

FBN Finished Bore Sprocket D10 K4×1.8 Specification
FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN40B12D10

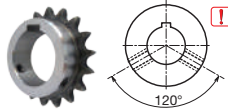
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

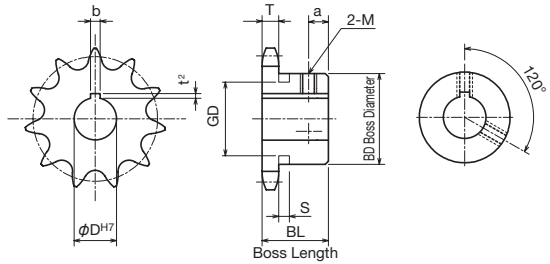
- Chain **No.40**
- Chain Pitch .....**(P) 12.70mm**
- Roller Link Inner Width .....**(W) 7.95mm**
- Roller Outside Diameter .....**(Dr) 7.92mm**
- Tooth Width .....**(T) 7.2 mm**

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN40B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40B16D19	16	19	6×2.8	6	71.0	65.098	50	22	6	0.40
FBN40B16D20	16	20	6×2.8	6	71.0	65.098	50	22	6	0.40
FBN40B16D22	16	22	6×2.8	6	71.0	65.098	50	22	6	0.40
FBN40B16D24	16	24	8×3.3	8	71.0	65.098	50	22	6	0.40
FBN40B16D25	16	25	8×3.3	8	71.0	65.098	50	22	6	0.40
FBN40B16D28	16	28	8×3.3	8	71.0	65.098	50	22	6	0.40
FBN40B16D30	16	30	8×3.3	8	71.0	65.098	50	22	6	0.40
FBN40B16D32	16	32	10×3.3	8	71.0	65.098	50	22	6	0.40
FBN40B17D14	17	14	5×2.3	6	76.0	69.116	54	22	6	0.46
FBN40B17D15	17	15	5×2.3	6	76.0	69.116	54	22	6	0.46
FBN40B17D16	17	16	5×2.3	6	76.0	69.116	54	22	6	0.46
FBN40B17D17	17	17	5×2.3	6	76.0	69.116	54	22	6	0.46
FBN40B17D18	17	18	6×2.8	6	76.0	69.116	54	22	6	0.46
FBN40B17D19	17	19	6×2.8	6	76.0	69.116	54	22	6	0.46
FBN40B17D20	17	20	6×2.8	6	76.0	69.116	54	22	6	0.46
FBN40B17D22	17	22	6×2.8	6	76.0	69.116	54	22	6	0.46
FBN40B17D24	17	24	8×3.3	8	76.0	69.116	54	22	6	0.46
FBN40B17D25	17	25	8×3.3	8	76.0	69.116	54	22	6	0.46
FBN40B17D28	17	28	8×3.3	8	76.0	69.116	54	22	6	0.46
FBN40B17D30	17	30	8×3.3	8	76.0	69.116	54	22	6	0.46
FBN40B17D32	17	32	10×3.3	8	76.0	69.116	54	22	6	0.46
FBN40B17D35	17	35	10×3.3	8	76.0	69.116	54	22	6	0.46
FBN40B18D14	18	14	5×2.3	6	80.0	73.136	57	22	6	0.51
FBN40B18D15	18	15	5×2.3	6	80.0	73.136	57	22	6	0.51
FBN40B18D16	18	16	5×2.3	6	80.0	73.136	57	22	6	0.51
FBN40B18D17	18	17	5×2.3	6	80.0	73.136	57	22	6	0.51
FBN40B18D18	18	18	6×2.8	6	80.0	73.136	57	22	6	0.51
FBN40B18D19	18	19	6×2.8	6	80.0	73.136	57	22	6	0.51
FBN40B18D20	18	20	6×2.8	6	80.0	73.136	57	22	6	0.51
FBN40B18D22	18	22	6×2.8	6	80.0	73.136	57	22	6	0.51
FBN40B18D24	18	24	8×3.3	8	80.0	73.136	57	22	6	0.51
FBN40B18D25	18	25	8×3.3	8	80.0	73.136	57	22	6	0.51
FBN40B18D28	18	28	8×3.3	8	80.0	73.136	57	22	6	0.51
FBN40B18D30	18	30	8×3.3	8	80.0	73.136	57	22	6	0.51
FBN40B18D32	18	32	10×3.3	8	80.0	73.136	57	22	6	0.51
FBN40B18D35	18	35	10×3.3	8	80.0	73.136	57	22	6	0.51
FBN40B18D40	18	40	12×3.3	8	80.0	73.136	57	22	6	0.51

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN40B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40B19D14	19	14	5×2.3	6	84.0	77.159	62	22	6	0.59
FBN40B19D15	19	15	5×2.3	6	84.0	77.159	62	22	6	0.59
FBN40B19D16	19	16	5×2.3	6	84.0	77.159	62	22	6	0.59
FBN40B19D17	19	17	5×2.3	6	84.0	77.159	62	22	6	0.59
FBN40B19D18	19	18	6×2.8	6	84.0	77.159	62	22	6	0.59
FBN40B19D19	19	19	6×2.8	6	84.0	77.159	62	22	6	0.59
FBN40B19D20	19	20	6×2.8	6	84.0	77.159	62	22	6	0.59
FBN40B19D22	19	22	6×2.8	6	84.0	77.159	62	22	6	0.59
FBN40B19D24	19	24	8×3.3	8	84.0	77.159	62	22	6	0.59
FBN40B19D25	19	25	8×3.3	8	84.0	77.159	62	22	6	0.59
FBN40B19D28	19	28	8×3.3	8	84.0	77.159	62	22	6	0.59
FBN40B19D30	19	30	8×3.3	8	84.0	77.159	62	22	6	0.59
FBN40B19D32	19	32	10×3.3	8	84.0	77.159	62	22	6	0.59
FBN40B19D35	19	35	10×3.3	8	84.0	77.159	62	22	6	0.59
FBN40B19D38	19	38	10×3.3	8	84.0	77.159	62	22	6	0.59
FBN40B19D40	19	40	12×3.3	8	84.0	77.159	62	22	6	0.59
FBN40B20D14	20	14	5×2.3	6	88.0	81.184	67	25	7	0.76
FBN40B20D15	20	15	5×2.3	6	88.0	81.184	67	25	7	0.76
FBN40B20D16	20	16	5×2.3	6	88.0	81.184	67	25	7	0.76
FBN40B20D17	20	17	5×2.3	6	88.0	81.184	67	25	7	0.76
FBN40B20D18	20	18	6×2.8	6	88.0	81.184	67	25	7	0.76
FBN40B20D19	20	19	6×2.8	6	88.0	81.184	67	25	7	0.76
FBN40B20D20	20	20	6×2.8	6	88.0	81.184	67	25	7	0.76
FBN40B20D22	20	22	6×2.8	6	88.0	81.184	67	25	7	0.76
FBN40B20D24	20	24	8×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D25	20	25	8×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D28	20	28	8×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D30	20	30	8×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D32	20	32	10×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D35	20	35	10×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D38	20	38	10×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D40	20	40	12×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D42	20	42	12×3.3	8	88.0	81.184	67	25	7	0.76
FBN40B20D45	20	45	14×3.8	10	88.0	81.184	67	25	7	0.76
FBN40B21D14	21	14	5×2.3	6	92.0	85.211	71	25	7	0.85
FBN40B21D15	21	15	5×2.3	6	92.0	85.211	71	25	7	0.85
FBN40B21D16	21	16	5×2.3	6	92.0	85.211	71	25	7	0.85

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN40B

FBN Finished Bore Sprocket D10 K4×1.8 Specification
FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN40B12D10

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.40**
- Chain Pitch .....**(P) 12.70mm**
- Roller Link Inner Width .....**(W) 7.95mm**
- Roller Outside Diameter .....**(Dr) 7.92mm**
- Tooth Width .....**(T) 7.2 mm**

TYPE FBN40B

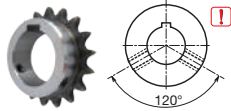
m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40B21D17	21	17	5×2.3	6	92.0	85.211	71	25	7	0.85
FBN40B21D18	21	18	6×2.8	6	92.0	85.211	71	25	7	0.85
FBN40B21D19	21	19	6×2.8	6	92.0	85.211	71	25	7	0.85
FBN40B21D20	21	20	6×2.8	6	92.0	85.211	71	25	7	0.85
FBN40B21D22	21	22	6×2.8	6	92.0	85.211	71	25	7	0.85
FBN40B21D24	21	24	8×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D25	21	25	8×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D28	21	28	8×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D30	21	30	8×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D32	21	32	10×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D35	21	35	10×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D38	21	38	10×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D40	21	40	12×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D42	21	42	12×3.3	8	92.0	85.211	71	25	7	0.85
FBN40B21D45	21	45	14×3.8	10	92.0	85.211	71	25	7	0.85
FBN40B22D14	22	14	5×2.3	6	96.0	89.239	75	25	7	0.95
FBN40B22D15	22	15	5×2.3	6	96.0	89.239	75	25	7	0.95
FBN40B22D16	22	16	5×2.3	6	96.0	89.239	75	25	7	0.95
FBN40B22D17	22	17	5×2.3	6	96.0	89.239	75	25	7	0.95
FBN40B22D18	22	18	6×2.8	6	96.0	89.239	75	25	7	0.95
FBN40B22D19	22	19	6×2.8	6	96.0	89.239	75	25	7	0.95
FBN40B22D20	22	20	6×2.8	6	96.0	89.239	75	25	7	0.95
FBN40B22D22	22	22	6×2.8	6	96.0	89.239	75	25	7	0.95
FBN40B22D24	22	24	8×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D25	22	25	8×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D28	22	28	8×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D30	22	30	8×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D32	22	32	10×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D35	22	35	10×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D38	22	38	10×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D40	22	40	12×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D42	22	42	12×3.3	8	96.0	89.239	75	25	7	0.95
FBN40B22D45	22	45	14×3.8	10	96.0	89.239	75	25	7	0.95
FBN40B23D14	23	14	5×2.3	6	100.0	93.268	77	25	7	1.00
FBN40B23D15	23	15	5×2.3	6	100.0	93.268	77	25	7	1.00
FBN40B23D16	23	16	5×2.3	6	100.0	93.268	77	25	7	1.00
FBN40B23D17	23	17	5×2.3	6	100.0	93.268	77	25	7	1.00
FBN40B23D18	23	18	6×2.8	6	100.0	93.268	77	25	7	1.00

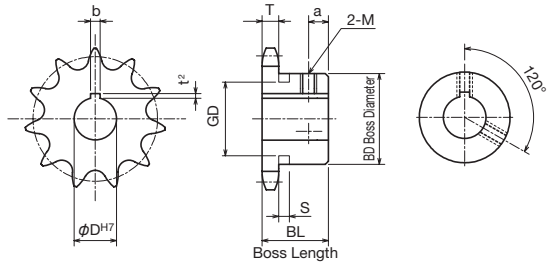
∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN40B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40B23D19	23	19	6×2.8	6	100.0	93.268	77	25	7	1.00
FBN40B23D20	23	20	6×2.8	6	100.0	93.268	77	25	7	1.00
FBN40B23D22	23	22	6×2.8	6	100.0	93.268	77	25	7	1.00
FBN40B23D24	23	24	8×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D25	23	25	8×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D28	23	28	8×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D30	23	30	8×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D32	23	32	10×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D35	23	35	10×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D38	23	38	10×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D40	23	40	12×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D42	23	42	12×3.3	8	100.0	93.268	77	25	7	1.00
FBN40B23D45	23	45	14×3.8	10	100.0	93.268	77	25	7	1.00
FBN40B24D14	24	14	5×2.3	6	104.0	97.298	63	25	7	0.84
FBN40B24D15	24	15	5×2.3	6	104.0	97.298	63	25	7	0.84
FBN40B24D16	24	16	5×2.3	6	104.0	97.298	63	25	7	0.84
FBN40B24D17	24	17	5×2.3	6	104.0	97.298	63	25	7	0.84
FBN40B24D18	24	18	6×2.8	6	104.0	97.298	63	25	7	0.84
FBN40B24D19	24	19	6×2.8	6	104.0	97.298	63	25	7	0.84
FBN40B24D20	24	20	6×2.8	6	104.0	97.298	63	25	7	0.84
FBN40B24D22	24	22	6×2.8	6	104.0	97.298	63	25	7	0.84
FBN40B24D24	24	24	8×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B24D25	24	25	8×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B24D28	24	28	8×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B24D30	24	30	8×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B24D32	24	32	10×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B24D35	24	35	10×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B24D38	24	38	10×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B24D40	24	40	12×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B24D42	24	42	12×3.3	8	104.0	97.298	63	25	7	0.84
FBN40B25D14	25	14	5×2.3	6	108.0	101.330	63	25	7	0.88
FBN40B25D15	25	15	5×2.3	6	108.0	101.330	63	25	7	0.88
FBN40B25D16	25	16	5×2.3	6	108.0	101.330	63	25	7	0.88
FBN40B25D17	25	17	5×2.3	6	108.0	101.330	63	25	7	0.88
FBN40B25D18	25	18	6×2.8	6	108.0	101.330	63	25	7	0.88
FBN40B25D19	25	19	6×2.8	6	108.0	101.330	63	25	7	0.88
FBN40B25D20	25	20	6×2.8	6	108.0	101.330	63	25	7	0.88
FBN40B25D22	25	22	6×2.8	6	108.0	101.330	63	25	7	0.88

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN40B

FBN Finished Bore Sprocket D10 K4×1.8 Specification
FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN40B12D10

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain No.40
- Chain Pitch .....(P) 12.70mm
- Roller Link Inner Width .....(W) 7.95mm
- Roller Outside Diameter .....(Dr) 7.92mm
- Tooth Width .....(T) 7.2 mm

TYPE FBN40B

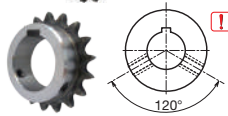
m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40B25D24	25	24	8×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B25D25	25	25	8×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B25D28	25	28	8×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B25D30	25	30	8×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B25D32	25	32	10×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B25D35	25	35	10×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B25D38	25	38	10×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B25D40	25	40	12×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B25D42	25	42	12×3.3	8	108.0	101.330	63	25	7	0.88
FBN40B26D14	26	14	5×2.3	6	112.0	105.362	63	25	7	0.92
FBN40B26D15	26	15	5×2.3	6	112.0	105.362	63	25	7	0.92
FBN40B26D16	26	16	5×2.3	6	112.0	105.362	63	25	7	0.92
FBN40B26D17	26	17	5×2.3	6	112.0	105.362	63	25	7	0.92
FBN40B26D18	26	18	6×2.8	6	112.0	105.362	63	25	7	0.92
FBN40B26D19	26	19	6×2.8	6	112.0	105.362	63	25	7	0.92
FBN40B26D20	26	20	6×2.8	6	112.0	105.362	63	25	7	0.92
FBN40B26D22	26	22	6×2.8	6	112.0	105.362	63	25	7	0.92
FBN40B26D24	26	24	8×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B26D25	26	25	8×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B26D28	26	28	8×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B26D30	26	30	8×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B26D32	26	32	10×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B26D35	26	35	10×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B26D38	26	38	10×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B26D40	26	40	12×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B26D42	26	42	12×3.3	8	112.0	105.362	63	25	7	0.92
FBN40B27D14	27	14	5×2.3	6	116.0	109.395	63	25	7	0.96
FBN40B27D15	27	15	5×2.3	6	116.0	109.395	63	25	7	0.96
FBN40B27D16	27	16	5×2.3	6	116.0	109.395	63	25	7	0.96
FBN40B27D17	27	17	5×2.3	6	116.0	109.395	63	25	7	0.96
FBN40B27D18	27	18	6×2.8	6	116.0	109.395	63	25	7	0.96
FBN40B27D19	27	19	6×2.8	6	116.0	109.395	63	25	7	0.96
FBN40B27D20	27	20	6×2.8	6	116.0	109.395	63	25	7	0.96
FBN40B27D22	27	22	6×2.8	6	116.0	109.395	63	25	7	0.96
FBN40B27D24	27	24	8×3.3	8	116.0	109.395	63	25	7	0.96
FBN40B27D25	27	25	8×3.3	8	116.0	109.395	63	25	7	0.96
FBN40B27D28	27	28	8×3.3	8	116.0	109.395	63	25	7	0.96
FBN40B27D30	27	30	8×3.3	8	116.0	109.395	63	25	7	0.96

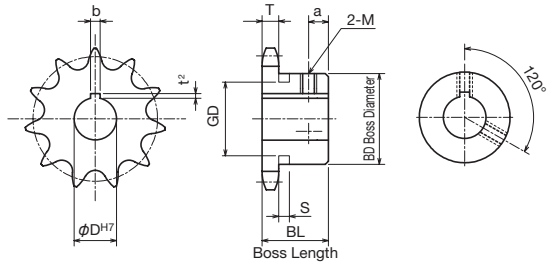
∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN40B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40B27D32	27	32	10×3.3	8	116.0	109.395	63	25	7	0.96
FBN40B27D35	27	35	10×3.3	8	116.0	109.395	63	25	7	0.96
FBN40B27D38	27	38	10×3.3	8	116.0	109.395	63	25	7	0.96
FBN40B27D40	27	40	12×3.3	8	116.0	109.395	63	25	7	0.96
FBN40B27D42	27	42	12×3.3	8	116.0	109.395	63	25	7	0.96
FBN40B28D14	28	14	5×2.3	6	120.0	113.429	63	25	7	1.00
FBN40B28D15	28	15	5×2.3	6	120.0	113.429	63	25	7	1.00
FBN40B28D16	28	16	5×2.3	6	120.0	113.429	63	25	7	1.00
FBN40B28D17	28	17	5×2.3	6	120.0	113.429	63	25	7	1.00
FBN40B28D18	28	18	6×2.8	6	120.0	113.429	63	25	7	1.00
FBN40B28D19	28	19	6×2.8	6	120.0	113.429	63	25	7	1.00
FBN40B28D20	28	20	6×2.8	6	120.0	113.429	63	25	7	1.00
FBN40B28D22	28	22	6×2.8	6	120.0	113.429	63	25	7	1.00
FBN40B28D24	28	24	8×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B28D25	28	25	8×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B28D28	28	28	8×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B28D30	28	30	8×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B28D32	28	32	10×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B28D35	28	35	10×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B28D38	28	38	10×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B28D40	28	40	12×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B28D42	28	42	12×3.3	8	120.0	113.429	63	25	7	1.00
FBN40B29D25	29	25	8×3.3	8	124.0	117.463	63	25	7	1.00
FBN40B30D14	30	14	5×2.3	6	128.0	121.498	63	25	7	1.10
FBN40B30D15	30	15	5×2.3	6	128.0	121.498	63	25	7	1.10
FBN40B30D16	30	16	5×2.3	6	128.0	121.498	63	25	7	1.10
FBN40B30D17	30	17	5×2.3	6	128.0	121.498	63	25	7	1.10
FBN40B30D18	30	18	6×2.8	6	128.0	121.498	63	25	7	1.10
FBN40B30D19	30	19	6×2.8	6	128.0	121.498	63	25	7	1.10
FBN40B30D20	30	20	6×2.8	6	128.0	121.498	63	25	7	1.10
FBN40B30D22	30	22	6×2.8	6	128.0	121.498	63	25	7	1.10
FBN40B30D24	30	24	8×3.3	8	128.0	121.498	63	25	7	1.10
FBN40B30D25	30	25	8×3.3	8	128.0	121.498	63	25	7	1.10
FBN40B30D28	30	28	8×3.3	8	128.0	121.498	63	25	7	1.10
FBN40B30D30	30	30	8×3.3	8	128.0	121.498	63	25	7	1.10
FBN40B30D32	30	32	10×3.3	8	128.0	121.498	63	25	7	1.10
FBN40B30D35	30	35	10×3.3	8	128.0	121.498	63	25	7	1.10
FBN40B30D38	30	38	10×3.3	8	128.0	121.498	63	25	7	1.10

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN40B

FBN Finished Bore Sprocket D10 K4×1.8 Specification
FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN40B12D10

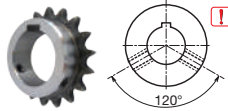
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

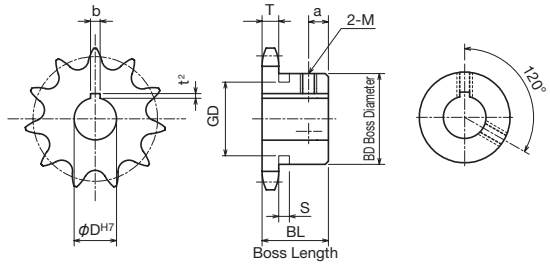
- Chain **No.40**
- Chain Pitch .....**(P) 12.70mm**
- Roller Link Inner Width .....**(W) 7.95mm**
- Roller Outside Diameter .....**(Dr) 7.92mm**
- Tooth Width .....**(T) 7.2 mm**

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN40B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40B30D40	30	40	12×3.3	8	128.0	121.498	63	25	7	1.10
FBN40B30D42	30	42	12×3.3	8	128.0	121.498	63	25	7	1.10
FBN40B32D20	32	20	6×2.8	6	137.0	129.569	68	28	10	1.30
FBN40B32D22	32	22	6×2.8	6	137.0	129.569	68	28	10	1.30
FBN40B32D24	32	24	8×3.3	8	137.0	129.569	68	28	10	1.30
FBN40B32D25	32	25	8×3.3	8	137.0	129.569	68	28	10	1.30
FBN40B32D28	32	28	8×3.3	8	137.0	129.569	68	28	10	1.30
FBN40B32D30	32	30	8×3.3	8	137.0	129.569	68	28	10	1.30
FBN40B32D32	32	32	10×3.3	8	137.0	129.569	68	28	10	1.30
FBN40B32D35	32	35	10×3.3	8	137.0	129.569	68	28	10	1.30
FBN40B32D40	32	40	12×3.3	8	137.0	129.569	68	28	10	1.30
FBN40B34D20	34	20	6×2.8	6	145.0	137.642	68	28	10	1.30
FBN40B34D22	34	22	6×2.8	6	145.0	137.642	68	28	10	1.30
FBN40B34D24	34	24	8×3.3	8	145.0	137.642	68	28	10	1.30
FBN40B34D25	34	25	8×3.3	8	145.0	137.642	68	28	10	1.30
FBN40B34D28	34	28	8×3.3	8	145.0	137.642	68	28	10	1.30
FBN40B34D30	34	30	8×3.3	8	145.0	137.642	68	28	10	1.30
FBN40B34D32	34	32	10×3.3	8	145.0	137.642	68	28	10	1.30
FBN40B34D35	34	35	10×3.3	8	145.0	137.642	68	28	10	1.30
FBN40B34D40	34	40	12×3.3	8	145.0	137.642	68	28	10	1.30
FBN40B35D20	35	20	6×2.8	6	149.0	141.679	68	28	10	1.40
FBN40B35D22	35	22	6×2.8	6	149.0	141.679	68	28	10	1.40
FBN40B35D24	35	24	8×3.3	8	149.0	141.679	68	28	10	1.40
FBN40B35D25	35	25	8×3.3	8	149.0	141.679	68	28	10	1.40
FBN40B35D28	35	28	8×3.3	8	149.0	141.679	68	28	10	1.40
FBN40B35D30	35	30	8×3.3	8	149.0	141.679	68	28	10	1.40
FBN40B35D32	35	32	10×3.3	8	149.0	141.679	68	28	10	1.40
FBN40B35D35	35	35	10×3.3	8	149.0	141.679	68	28	10	1.40
FBN40B35D40	35	40	12×3.3	8	149.0	141.679	68	28	10	1.40
FBN40B36D20	36	20	6×2.8	6	153.0	145.716	68	28	10	1.50
FBN40B36D22	36	22	6×2.8	6	153.0	145.716	68	28	10	1.50
FBN40B36D24	36	24	8×3.3	8	153.0	145.716	68	28	10	1.50
FBN40B36D25	36	25	8×3.3	8	153.0	145.716	68	28	10	1.50
FBN40B36D28	36	28	8×3.3	8	153.0	145.716	68	28	10	1.50
FBN40B36D30	36	30	8×3.3	8	153.0	145.716	68	28	10	1.50
FBN40B36D32	36	32	10×3.3	8	153.0	145.716	68	28	10	1.50
FBN40B36D35	36	35	10×3.3	8	153.0	145.716	68	28	10	1.50
FBN40B36D40	36	40	12×3.3	8	153.0	145.716	68	28	10	1.50

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN40B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40B37D35	37	35	10×3.3	8	157.0	149.754	68	28	10	1.55
FBN40B38D24	38	24	8×3.3	8	161.0	153.791	68	28	10	1.60
FBN40B38D25	38	25	8×3.3	8	161.0	153.791	68	28	10	1.60
FBN40B38D28	38	28	8×3.3	8	161.0	153.791	68	28	10	1.60
FBN40B38D30	38	30	8×3.3	8	161.0	153.791	68	28	10	1.60
FBN40B38D32	38	32	10×3.3	8	161.0	153.791	68	28	10	1.60
FBN40B38D35	38	35	10×3.3	8	161.0	153.791	68	28	10	1.60
FBN40B38D40	38	40	12×3.3	8	161.0	153.791	68	28	10	1.60
FBN40B40D20	40	20	6×2.8	6	169.0	161.868	68	28	10	1.70
FBN40B40D25	40	25	8×3.3	8	169.0	161.868	68	28	10	1.70
FBN40B40D28	40	28	8×3.3	8	169.0	161.868	68	28	10	1.70
FBN40B40D30	40	30	8×3.3	8	169.0	161.868	68	28	10	1.70
FBN40B40D32	40	32	10×3.3	8	169.0	161.868	68	28	10	1.70
FBN40B40D35	40	35	10×3.3	8	169.0	161.868	68	28	10	1.70
FBN40B40D40	40	40	12×3.3	8	169.0	161.868	68	28	10	1.70
FBN40B42D30	42	30	8×3.3	8	177.0	169.945	73	32	10	2.05
FBN40B42D32	42	32	10×3.3	8	177.0	169.945	73	32	10	2.05
FBN40B42D35	42	35	10×3.3	8	177.0	169.945	73	32	10	2.05
FBN40B42D40	42	40	12×3.3	8	177.0	169.945	73	32	10	2.05
FBN40B42D45	42	45	14×3.8	10	177.0	169.945	73	32	10	2.05
FBN40B45D30	45	30	8×3.3	8	189.0	182.062	73	32	10	2.25
FBN40B45D32	45	32	10×3.3	8	189.0	182.062	73	32	10	2.25
FBN40B45D35	45	35	10×3.3	8	189.0	182.062	73	32	10	2.25
FBN40B45D40	45	40	12×3.3	8	189.0	182.062	73	32	10	2.25
FBN40B45D45	45	45	14×3.8	10	189.0	182.062	73	32	10	2.25
FBN40B48D30	48	30	8×3.3	8	201.0	194.180	73	32	10	2.45
FBN40B48D32	48	32	10×3.3	8	201.0	194.180	73	32	10	2.45
FBN40B48D35	48	35	10×3.3	8	201.0	194.180	73	32	10	2.45
FBN40B48D40	48	40	12×3.3	8	201.0	194.180	73	32	10	2.45
FBN40B48D45	48	45	14×3.8	10	201.0	194.180	73	32	10	2.45
FBN40B50D25	50	25	8×3.3	8	209.0	202.260	73	32	10	2.60
FBN40B50D30	50	30	8×3.3	8	209.0	202.260	73	32	10	2.60
FBN40B50D32	50	32	10×3.3	8	209.0	202.260	73	32	10	2.60
FBN40B50D35	50	35	10×3.3	8	209.0	202.260	73	32	10	2.60
FBN40B50D40	50	40	12×3.3	8	209.0	202.260	73	32	10	2.60
FBN40B50D45	50	45	14×3.8	10	209.0	202.260	73	32	10	2.60
FBN40B60D30	60	30	8×3.3	8	250.0	242.663	73	32	10	3.40

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

SUSFBN40B

SUS FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

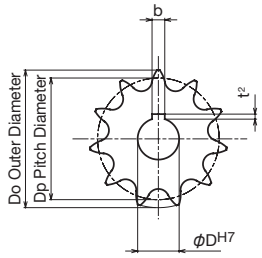
SUSFBN 40B 20 D20

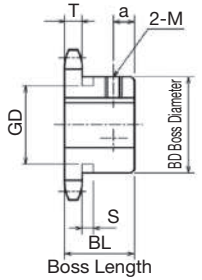
TYPE — No. of Teeth — ϕD^{H7}

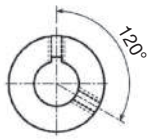
Sprocket No.

- Chain No.40
- Chain Pitch .....(P) 12.70mm
- Roller Link Inner Width .....(W) 7.95mm
- Roller Outside Diameter .....(Dr) 7.92mm
- Tooth Width .....(T) 7.2 mm

Use together with the KANA machine key. Refer to P.334 to P.335







TYPE SUSFBN40B

Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN40B10D12	10	12	4×1.8	5	46	41.10	★32	22	5	0.14
SUSFBN40B10D15	10	15	5×2.3	6	46	41.10	★32	22	5	0.14
SUSFBN40B10D16	10	16	5×2.3	6	46	41.10	★32	22	5	0.14
SUSFBN40B11D15	11	15	5×2.3	6	51	45.08	★36	22	5	0.19
SUSFBN40B11D16	11	16	5×2.3	6	51	45.08	★36	22	5	0.19
SUSFBN40B11D17	11	17	5×2.3	6	51	45.08	★36	22	5	0.19
SUSFBN40B11D18	11	18	6×2.8	6	51	45.08	★36	22	5	0.19
SUSFBN40B11D20	11	20	6×2.8	6	51	45.08	★36	22	5	0.19
SUSFBN40B12D12	12	12	4×1.8	5	55	49.07	★40	22	5	0.22
SUSFBN40B12D15	12	15	5×2.3	6	55	49.07	★40	22	5	0.22
SUSFBN40B12D16	12	16	5×2.3	6	55	49.07	★40	22	5	0.22
SUSFBN40B12D17	12	17	5×2.3	6	55	49.07	★40	22	5	0.22
SUSFBN40B12D18	12	18	6×2.8	6	55	49.07	★40	22	5	0.22
SUSFBN40B12D20	12	20	6×2.8	6	55	49.07	★40	22	5	0.22
SUSFBN40B13D15	13	15	5×2.3	6	59	53.07	37	22	6	0.23
SUSFBN40B13D16	13	16	5×2.3	6	59	53.07	37	22	6	0.23
SUSFBN40B13D18	13	18	6×2.8	6	59	53.07	37	22	6	0.23
SUSFBN40B13D20	13	20	6×2.8	6	59	53.07	37	22	6	0.23
SUSFBN40B14D15	14	15	5×2.3	6	63	57.07	42	22	6	0.28
SUSFBN40B14D16	14	16	5×2.3	6	63	57.07	42	22	6	0.28
SUSFBN40B14D17	14	17	5×2.3	6	63	57.07	42	22	6	0.28
SUSFBN40B14D18	14	18	6×2.8	6	63	57.07	42	22	6	0.28
SUSFBN40B14D19	14	19	6×2.8	6	63	57.07	42	22	6	0.28
SUSFBN40B14D20	14	20	6×2.8	6	63	57.07	42	22	6	0.28
SUSFBN40B14D22	14	22	6×2.8	6	63	57.07	42	22	6	0.28
SUSFBN40B14D24	14	24	8×3.3	8	63	57.07	42	22	6	0.28
SUSFBN40B14D25	14	25	8×3.3	＊6	63	57.07	42	22	6	0.28
SUSFBN40B15D15	15	15	5×2.3	6	67	61.08	46	22	6	0.34
SUSFBN40B15D16	15	16	5×2.3	6	67	61.08	46	22	6	0.34
SUSFBN40B15D17	15	17	5×2.3	6	67	61.08	46	22	6	0.34
SUSFBN40B15D18	15	18	6×2.8	6	67	61.08	46	22	6	0.34
SUSFBN40B15D19	15	19	6×2.8	6	67	61.08	46	22	6	0.34
SUSFBN40B15D20	15	20	6×2.8	6	67	61.08	46	22	6	0.34
SUSFBN40B15D22	15	22	6×2.8	6	67	61.08	46	22	6	0.34
SUSFBN40B15D24	15	24	8×3.3	8	67	61.08	46	22	6	0.34
SUSFBN40B15D25	15	25	8×3.3	8	67	61.08	46	22	6	0.34
SUSFBN40B15D28	15	28	8×3.3	8	67	61.08	46	22	6	0.34
SUSFBN40B16D15	16	15	5×2.3	6	71	65.10	50	22	6	0.40
SUSFBN40B16D16	16	16	5×2.3	6	71	65.10	50	22	6	0.40
SUSFBN40B16D17	16	17	5×2.3	6	71	65.10	50	22	6	0.40

＊M is a set screw. ＊ The seal set screws differ from the usual due to the boss type.

TYPE SUSFBN40B

Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN40B16D18	16	18	6×2.8	6	71	65.10	50	22	6	0.40
SUSFBN40B16D19	16	19	6×2.8	6	71	65.10	50	22	6	0.40
SUSFBN40B16D20	16	20	6×2.8	6	71	65.10	50	22	6	0.40
SUSFBN40B16D22	16	22	6×2.8	6	71	65.10	50	22	6	0.40
SUSFBN40B16D24	16	24	8×3.3	8	71	65.10	50	22	6	0.40
SUSFBN40B16D25	16	25	8×3.3	8	71	65.10	50	22	6	0.40
SUSFBN40B16D28	16	28	8×3.3	8	71	65.10	50	22	6	0.40
SUSFBN40B16D30	16	30	8×3.3	8	71	65.10	50	22	6	0.40
SUSFBN40B17D15	17	15	5×2.3	6	76	69.12	54	22	6	0.46
SUSFBN40B17D16	17	16	5×2.3	6	76	69.12	54	22	6	0.46
SUSFBN40B17D18	17	18	6×2.8	6	76	69.12	54	22	6	0.46
SUSFBN40B17D19	17	19	6×2.8	6	76	69.12	54	22	6	0.46
SUSFBN40B17D20	17	20	6×2.8	6	76	69.12	54	22	6	0.46
SUSFBN40B17D22	17	22	6×2.8	6	76	69.12	54	22	6	0.46
SUSFBN40B17D24	17	24	8×3.3	8	76	69.12	54	22	6	0.46
SUSFBN40B17D25	17	25	8×3.3	8	76	69.12	54	22	6	0.46
SUSFBN40B17D28	17	28	8×3.3	8	76	69.12	54	22	6	0.46
SUSFBN40B17D30	17	30	8×3.3	8	76	69.12	54	22	6	0.46
SUSFBN40B18D15	18	15	5×2.3	6	80	73.14	57	22	6	0.51
SUSFBN40B18D16	18	16	5×2.3	6	80	73.14	57	22	6	0.51
SUSFBN40B18D18	18	18	6×2.8	6	80	73.14	57	22	6	0.51
SUSFBN40B18D19	18	19	6×2.8	6	80	73.14	57	22	6	0.51
SUSFBN40B18D20	18	20	6×2.8	6	80	73.14	57	22	6	0.51
SUSFBN40B18D22	18	22	6×2.8	6	80	73.14	57	22	6	0.51
SUSFBN40B18D24	18	24	8×3.3	8	80	73.14	57	22	6	0.51
SUSFBN40B18D25	18	25	8×3.3	8	80	73.14	57	22	6	0.51
SUSFBN40B18D28	18	28	8×3.3	8	80	73.14	57	22	6	0.51
SUSFBN40B18D30	18	30	8×3.3	8	80	73.14	57	22	6	0.51
SUSFBN40B19D15	19	15	5×2.3	6	84	77.16	62	22	6	0.59
SUSFBN40B19D16	19	16	5×2.3	6	84	77.16	62	22	6	0.59
SUSFBN40B19D18	19	18	6×2.8	6	84	77.16	62	22	6	0.59
SUSFBN40B19D19	19	19	6×2.8	6	84	77.16	62	22	6	0.59

＊M is a set screw. ＊ The seal set screws differ from the usual due to the boss type.

Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
10	5.2	27
11		31
12	5.2	35

Caution

＊Products with long screw holes also include products subject to counter boring

SUSFBN40B

SUS FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

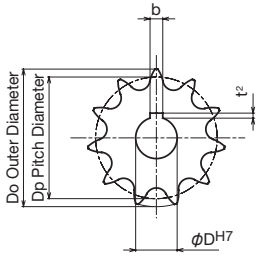
SUSFBN 40B 20 D20

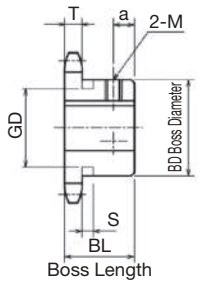
TYPE — No. of Teeth — ϕD^{H7}

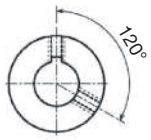
Sprocket No.

- Chain No.40
- Chain Pitch .....(P) 12.70mm
- Roller Link Inner Width .....(W) 7.95mm
- Roller Outside Diameter .....(Dr) 7.92mm
- Tooth Width .....(T) 7.2 mm

Use together with the KANA machine key. Refer to P.334 to P.335







TYPE SUSFBN40B

Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN40B19D20	19	20	6×2.8	6	84	77.16	62	22	6	0.59
SUSFBN40B19D22	19	22	6×2.8	6	84	77.16	62	22	6	0.59
SUSFBN40B19D24	19	24	8×3.3	8	84	77.16	62	22	6	0.59
SUSFBN40B19D25	19	25	8×3.3	8	84	77.16	62	22	6	0.59
SUSFBN40B19D28	19	28	8×3.3	8	84	77.16	62	22	6	0.59
SUSFBN40B19D30	19	30	8×3.3	8	84	77.16	62	22	6	0.59
SUSFBN40B20D15	20	15	5×2.3	6	88	81.18	67	25	7	0.76
SUSFBN40B20D16	20	16	5×2.3	6	88	81.18	67	25	7	0.76
SUSFBN40B20D18	20	18	6×2.8	6	88	81.18	67	25	7	0.76
SUSFBN40B20D19	20	19	6×2.8	6	88	81.18	67	25	7	0.76
SUSFBN40B20D20	20	20	6×2.8	6	88	81.18	67	25	7	0.76
SUSFBN40B20D22	20	22	6×2.8	6	88	81.18	67	25	7	0.76
SUSFBN40B20D24	20	24	8×3.3	8	88	81.18	67	25	7	0.76
SUSFBN40B20D25	20	25	8×3.3	8	88	81.18	67	25	7	0.76
SUSFBN40B20D28	20	28	8×3.3	8	88	81.18	67	25	7	0.76
SUSFBN40B20D30	20	30	8×3.3	8	88	81.18	67	25	7	0.76
SUSFBN40B21D18	21	18	6×2.8	6	92	85.21	71	25	7	0.85
SUSFBN40B21D20	21	20	6×2.8	6	92	85.21	71	25	7	0.85
SUSFBN40B21D22	21	22	6×2.8	6	92	85.21	71	25	7	0.85
SUSFBN40B21D24	21	24	8×3.3	8	92	85.21	71	25	7	0.85
SUSFBN40B21D25	21	25	8×3.3	8	92	85.21	71	25	7	0.85
SUSFBN40B21D28	21	28	8×3.3	8	92	85.21	71	25	7	0.85
SUSFBN40B21D30	21	30	8×3.3	8	92	85.21	71	25	7	0.85
SUSFBN40B21D32	21	32	10×3.3	8	92	85.21	71	25	7	0.85
SUSFBN40B22D18	22	18	6×2.8	6	96	89.24	75	25	7	0.95
SUSFBN40B22D20	22	20	6×2.8	6	96	89.24	75	25	7	0.95
SUSFBN40B22D22	22	22	6×2.8	6	96	89.24	75	25	7	0.95
SUSFBN40B22D24	22	24	8×3.3	8	96	89.24	75	25	7	0.95
SUSFBN40B22D25	22	25	8×3.3	8	96	89.24	75	25	7	0.95
SUSFBN40B22D28	22	28	8×3.3	8	96	89.24	75	25	7	0.95
SUSFBN40B22D30	22	30	8×3.3	8	96	89.24	75	25	7	0.95
SUSFBN40B23D18	23	18	6×2.8	6	100	93.27	77	25	7	1.00
SUSFBN40B23D20	23	20	6×2.8	6	100	93.27	77	25	7	1.00
SUSFBN40B23D22	23	22	6×2.8	6	100	93.27	77	25	7	1.00
SUSFBN40B23D24	23	24	8×3.3	8	100	93.27	77	25	7	1.00
SUSFBN40B23D25	23	25	8×3.3	8	100	93.27	77	25	7	1.00
SUSFBN40B23D28	23	28	8×3.3	8	100	93.27	77	25	7	1.00
SUSFBN40B23D30	23	30	8×3.3	8	100	93.27	77	25	7	1.00
SUSFBN40B24D18	24	18	6×2.8	6	104	97.30	63	25	7	0.84
SUSFBN40B24D20	24	20	6×2.8	6	104	97.30	63	25	7	0.84

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE SUSFBN40B

Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN40B24D22	24	22	6×2.8	6	104	97.30	63	25	7	0.84
SUSFBN40B24D24	24	24	8×3.3	8	104	97.30	63	25	7	0.84
SUSFBN40B24D25	24	25	8×3.3	8	104	97.30	63	25	7	0.84
SUSFBN40B24D28	24	28	8×3.3	8	104	97.30	63	25	7	0.84
SUSFBN40B24D30	24	30	8×3.3	8	104	97.30	63	25	7	0.84
SUSFBN40B25D18	25	18	6×2.8	6	108	101.33	63	25	7	0.88
SUSFBN40B25D20	25	20	6×2.8	6	108	101.33	63	25	7	0.88
SUSFBN40B25D22	25	22	6×2.8	6	108	101.33	63	25	7	0.88
SUSFBN40B25D24	25	24	8×3.3	8	108	101.33	63	25	7	0.88
SUSFBN40B25D25	25	25	8×3.3	8	108	101.33	63	25	7	0.88
SUSFBN40B25D28	25	28	8×3.3	8	108	101.33	63	25	7	0.88
SUSFBN40B25D30	25	30	8×3.3	8	108	101.33	63	25	7	0.88
SUSFBN40B26D20	26	20	6×2.8	6	112	105.36	63	25	7	0.92
SUSFBN40B26D22	26	22	6×2.8	6	112	105.36	63	25	7	0.92
SUSFBN40B26D25	26	25	8×3.3	8	112	105.36	63	25	7	0.92
SUSFBN40B26D30	26	30	8×3.3	8	112	105.36	63	25	7	0.92
SUSFBN40B28D20	28	20	6×2.8	6	120	113.43	63	25	7	1.00
SUSFBN40B28D22	28	22	6×2.8	6	120	113.43	63	25	7	1.00
SUSFBN40B28D25	28	25	8×3.3	8	120	113.43	63	25	7	1.00
SUSFBN40B28D30	28	30	8×3.3	8	120	113.43	63	25	7	1.00
SUSFBN40B30D20	30	20	6×2.8	6	128	121.50	63	25	7	1.10
SUSFBN40B30D22	30	22	6×2.8	6	128	121.50	63	25	7	1.10
SUSFBN40B30D25	30	25	8×3.3	8	128	121.50	63	25	7	1.10
SUSFBN40B30D30	30	30	8×3.3	8	128	121.50	63	25	7	1.10
SUSFBN40B32D20	32	20	6×2.8	6	137	129.57	68	28	10	1.30
SUSFBN40B32D22	32	22	6×2.8	6	137	129.57	68	28	10	1.30
SUSFBN40B32D25	32	25	8×3.3	8	137	129.57	68	28	10	1.30
SUSFBN40B32D30	32	30	8×3.3	8	137	129.57	68	28	10	1.30
SUSFBN40B35D20	35	20	6×2.8	6	149	141.68	68	28	10	1.40
SUSFBN40B35D22	35	22	6×2.8	6	149	141.68	68	28	10	1.40
SUSFBN40B35D25	35	25	8×3.3	8	149	141.68	68	28	10	1.40
SUSFBN40B35D30	35	30	8×3.3	8	149	141.68	68	28	10	1.40
SUSFBN40B36D20	36	20	6×2.8	6	153	145.72	68	28	10	1.50
SUSFBN40B36D22	36	22	6×2.8	6	153	145.72	68	28	10	1.50
SUSFBN40B36D25	36	25	8×3.3	8	153	145.72	68	28	10	1.50
SUSFBN40B36D30	36	30	8×3.3	8	153	145.72	68	28	10	1.50
SUSFBN40B40D20	40	20	6×2.8	6	169	161.87	68	28	10	1.70
SUSFBN40B40D22	40	22	6×2.8	6	169	161.87	68	28	10	1.70
SUSFBN40B40D25	40	25	8×3.3	8	169	161.87	68	28	10	1.70
SUSFBN40B40D30	40	30	8×3.3	8	169	161.87	68	28	10	1.70

Caution

∗Products with long screw holes also include products subject to counter boring

FBN40SD

Order Product Code

FBN40SD18D25

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

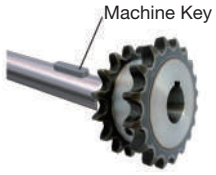
- Chain No.40
- Chain Pitch .....(P) 12.70mm
- Roller Link Inner Width .....(W) 7.95mm
- Roller Outside Diameter .....(Dr) 7.92mm
- Tooth Width .....(T) 7.2 mm
  (C) 27.8 mm

TYPE FBN40SD

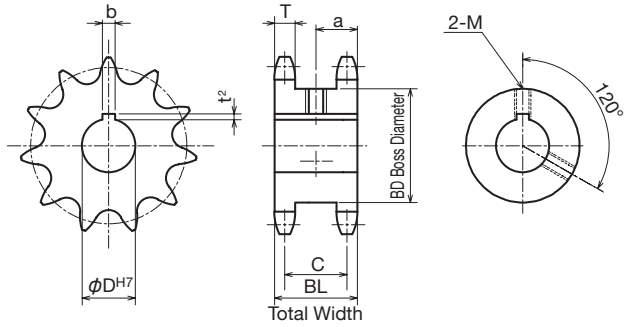
m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40SD12D15	12	15	5×2.3	6	55.0	49.069	34	35	17.5	0.33
FBN40SD12D17	12	17	5×2.3	6	55.0	49.069	34	35	17.5	0.33
FBN40SD12D18	12	18	6×2.8	6	55.0	49.069	34	35	17.5	0.33
FBN40SD13D18	13	18	6×2.8	6	59.0	53.068	38	35	17.5	0.40
FBN40SD13D20	13	20	6×2.8	6	59.0	53.068	38	35	17.5	0.40
FBN40SD14D18	14	18	6×2.8	6	63.0	57.073	42	35	17.5	0.49
FBN40SD14D20	14	20	6×2.8	6	63.0	57.073	42	35	17.5	0.49
FBN40SD14D25	14	25	8×3.3	8	63.0	57.073	42	35	17.5	0.49
FBN40SD15D20	15	20	6×2.8	6	67.0	61.084	46	35	17.5	0.57
FBN40SD15D25	15	25	8×3.3	8	67.0	61.084	46	35	17.5	0.57
FBN40SD16D20	16	20	6×2.8	6	71.0	65.098	50	35	17.5	0.66
FBN40SD16D25	16	25	8×3.3	8	71.0	65.098	50	35	17.5	0.66
FBN40SD17D25	17	25	8×3.3	8	76.0	69.116	54	35	17.5	0.76
FBN40SD17D28	17	28	8×3.3	8	76.0	69.116	54	35	17.5	0.76
FBN40SD17D30	17	30	8×3.3	8	76.0	69.116	54	35	17.5	0.76

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.



Use together
with the KANA machine key.
Refer to P.334 to P.335



TYPE FBN40SD

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN40SD18D25	18	25	8×3.3	8	80.0	73.136	59	35	17.5	0.89
FBN40SD18D28	18	28	8×3.3	8	80.0	73.136	59	35	17.5	0.89
FBN40SD18D30	18	30	8×3.3	8	80.0	73.136	59	35	17.5	0.89
FBN40SD18D35	18	35	10×3.3	8	80.0	73.136	59	35	17.5	0.89
FBN40SD19D25	19	25	8×3.3	8	84.0	77.159	63	35	17.5	1.00
FBN40SD19D28	19	28	8×3.3	8	84.0	77.159	63	35	17.5	1.00
FBN40SD19D30	19	30	8×3.3	8	84.0	77.159	63	35	17.5	1.00
FBN40SD19D35	19	35	10×3.3	8	84.0	77.159	63	35	17.5	1.00
FBN40SD20D25	20	25	8×3.3	8	88.0	81.184	67	35	17.5	1.14
FBN40SD20D28	20	28	8×3.3	8	88.0	81.184	67	35	17.5	1.14
FBN40SD20D30	20	30	8×3.3	8	88.0	81.184	67	35	17.5	1.14
FBN40SD20D35	20	35	10×3.3	8	88.0	81.184	67	35	17.5	1.14
FBN40SD21D25	21	25	8×3.3	8	92.0	85.211	71	35	17.5	1.23
FBN40SD21D28	21	28	8×3.3	8	92.0	85.211	71	35	17.5	1.23
FBN40SD21D30	21	30	8×3.3	8	92.0	85.211	71	35	17.5	1.23
FBN40SD21D35	21	35	10×3.3	8	92.0	85.211	71	35	17.5	1.23

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

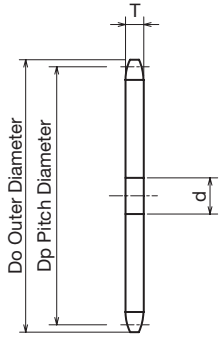
40A

Order Product Code

40A 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.40**
- Chain Pitch .....**(P) 12.70 mm**
- Roller Link Inner Width .....**(W) 7.95 mm**
- Roller Outside Diameter .....**(Dr) 7.92 mm**
- Tooth Width .....**(T) 7.2 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
40A	10	47	41.098	9	10	0.05
	11	51	45.078	10	11	0.09
	12	55	49.069	10	11	0.10
	13	59	53.068	12	13	0.12
	14	63	57.073	12	13	0.14
	15	67	61.084	12	13	0.16
	16	71	65.098	13	14	0.18
	17	76	69.116	13	14	0.20
	18	80	73.136	13	14	0.23
	19	84	77.159	14	15	0.26
	20	88	81.184	14	15	0.29
	21	92	85.211	14	15	0.30
	22	96	89.239	14	15	0.35
	23	100	93.268	14	15	0.38
	24	104	97.298	14	15	0.40
	25	108	101.330	14	15	0.45
	26	112	105.362	14	15	0.49
	27	116	109.395	14	15	0.50
	28	120	113.429	14	15	0.56
	29	124	117.463	14	15	0.60
	30	128	121.498	14	15	0.63
	31	133	125.533	14	15	0.65
	32	137	129.569	14	15	0.70
	33	141	133.605	14	15	0.75
	34	145	137.642	14	15	0.80
	35	149	141.679	14	15	0.85
	36	153	145.716	16	17	0.90
	37	157	149.754	16	17	0.99
	38	161	153.791	16	17	1.00
	39	165	157.830	16	17	1.15

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
40A	40	169	161.868	16	17	1.20
	41	173	165.906	16	17	1.20
	42	177	169.945	16	17	1.25
	43	181	173.984	16	17	1.30
	44	185	178.023	16	17	1.35
	45	189	182.062	16	17	1.40
	46	193	186.101	16	17	1.49
	47	197	190.141	16	17	1.58
	48	201	194.180	16	17	1.63
	49	205	198.220	16	17	1.73
	50	209	202.260	16	17	1.80
	51	214	206.300	16	17	1.88
	52	218	210.340	16	17	1.93
	53	222	214.380	16	17	1.98
	54	226	218.420	16	17	2.00
	55	230	222.460	16	17	2.18
	56	234	226.501	16	17	2.26
	58	242	234.582	16	17	2.43
	59	246	238.622	16	17	2.51
	60	250	242.663	16	17	2.60
	62	258	250.744	16	17	2.77
	64	266	258.826	16	17	2.90
	65	270	262.867	16	17	3.00
	68	282	274.990	16	17	3.35
	70	290	283.073	16	17	3.50
	72	299	291.155	20	21	3.70
	75	311	303.279	20	21	4.00
	80	331	323.486	20	21	4.60
	85	351	343.694	20	21	5.20
	90	371	363.902	20	21	5.80

HG40A

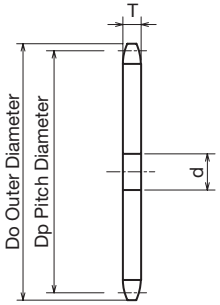
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG40A 20H

TYPE — No. of Teeth

Sprocket No.



- Chain No.40
- Chain Pitch .....(P) 12.70 mm
- Roller Link Inner Width .....(W) 7.95 mm
- Roller Outside Diameter .....(Dr) 7.92 mm
- Tooth Width .....(T) 7.2 mm

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG40A	11H	51	45.078	10	11	0.09
	12H	55	49.069	10	11	0.10
	13H	59	53.068	12	13	0.12
	14H	63	57.073	12	13	0.14
	15H	67	61.084	12	13	0.16
	16H	71	65.098	13	14	0.18
	17H	76	69.116	13	14	0.20
	18H	80	73.136	13	14	0.23
	19H	84	77.159	14	15	0.26
	20H	88	81.184	14	15	0.29
	21H	92	85.211	14	15	0.30
	22H	96	89.239	14	15	0.35
	23H	100	93.268	14	15	0.38
	24H	104	97.298	14	15	0.40
	25H	108	101.330	14	15	0.45
	26H	112	105.362	14	15	0.49
	27H	116	109.395	14	15	0.50
	28H	120	113.429	14	15	0.56
	29H	124	117.463	14	15	0.60
	30H	128	121.498	14	15	0.63

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG40A	32H	137	129.569	14	15	0.70
	34H	145	137.642	14	15	0.80
	35H	149	141.679	14	15	0.85
	36H	153	145.716	16	17	0.90
	38H	161	153.791	16	17	1.00
	40H	169	161.868	16	17	1.20
	42H	177	169.945	16	17	1.25
	44H	185	178.023	16	17	1.35
	45H	189	182.062	16	17	1.40
	46H	193	186.101	16	17	1.49
	48H	201	194.180	16	17	1.63
	50H	209	202.260	16	17	1.80
	52H	218	210.340	16	17	1.93
	54H	226	218.420	16	17	2.00
	55H	230	222.460	16	17	2.18
	60H	250	242.663	16	17	2.60
	65H	270	262.867	16	17	3.00
	70H	290	283.073	16	17	3.50
	80H	331	323.486	20	21	4.60

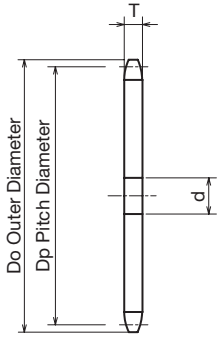
SUS40A

Order Product Code

SUS40A 20

TYPE — No. of Teeth

Sprocket No.



- Chain No.40
- Chain Pitch .....(P) 12.70 mm
- Roller Link Inner Width .....(W) 7.95 mm
- Roller Outside Diameter .....(Dr) 7.92 mm
- Tooth Width .....(T) 7.2 mm

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
SUS40A	10	47	41.098	9	10	0.05
	11	51	45.078	10	11	0.09
	12	55	49.069	10	11	0.10
	13	59	53.068	12	13	0.12
	14	63	57.073	12	13	0.14
	15	67	61.084	12	13	0.16
	16	71	65.098	13	14	0.18
	17	76	69.116	13	14	0.20
	18	80	73.136	13	14	0.23
	19	84	77.159	14	15	0.26
	20	88	81.184	14	15	0.29
	21	92	85.211	14	15	0.30
	22	96	89.239	14	15	0.35
	23	100	93.268	14	15	0.38
	24	104	97.298	14	15	0.40

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
SUS40A	25	108	101.330	14	15	0.45
	26	112	105.362	14	15	0.49
	27	116	109.395	14	15	0.50
	28	120	113.429	14	15	0.56
	29	124	117.463	14	15	0.60
	30	128	121.498	14	15	0.63
	31	133	125.533	14	15	0.65
	32	137	129.569	14	15	0.70
	33	141	133.605	14	15	0.75
	34	145	137.642	14	15	0.80
	35	149	141.679	14	15	0.85
	36	153	145.716	16	17	0.90
	37	157	149.754	16	17	0.99
	38	161	153.791	16	17	1.00
	39	165	157.830	16	17	1.15
	40	169	161.868	16	17	1.20

NK40B

Order Product Code

NK40B 20

TYPE No. of Teeth

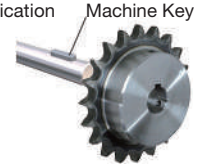
Sprocket No.

Ground Specification

Welded Specification

(Black stain also mixed in)

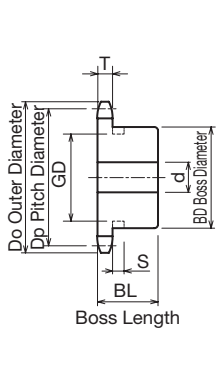
Machine Key



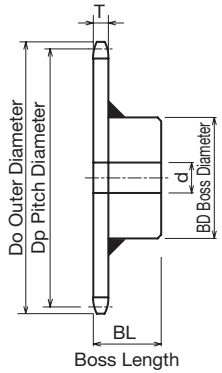
Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.40**
- Chain Pitch .....**(P) 12.70 mm**
- Roller Link Inner Width .....**(W) 7.95 mm**
- Roller Outside Diameter .....**(Dr) 7.92 mm**
- Tooth Width .....**(T) 7.2 mm**

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK40B	8	39	33.187	9	10	14	★24	22	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.10
	9	43	37.132	9	10	16	★28	22			0.11
	10	47	41.098	9	10	18	★32	22			0.14
	11	51	45.078	10	11	20	★36	22			0.19
	12	55	49.069	10	11	22	★40	22			0.22
	13	59	53.068	12	13	20	37	22			0.23
	14	63	57.073	12	13	25	42	22			0.28
	15	67	61.084	12	13	28	46	22			0.34
	16	71	65.098	13	14	30	50	22			0.40
	17	76	69.116	13	14	32	54	22			0.46
	18	80	73.136	13	14	35	57	22			0.51
	19	84	77.159	14	15	40	62	22			0.59
	20	88	81.184	14	15	45	67	25			0.76
	21	92	85.211	14	15	48	71	25			0.85
	22	96	89.239	14	15	51	75	25			0.95
	23	100	93.268	14	15	51	77	25			1.00
	24	104	97.298	14	15	42	63	25			0.84
	25	108	101.330	14	15	42	63	25			0.88
	26	112	105.362	14	15	42	63	25			0.92
	27	116	109.395	14	15	42	63	25			0.96
	28	120	113.429	14	15	42	63	25			1.00
	29	124	117.463	14	15	42	63	25			1.00
	30	128	121.498	14	15	42	63	25			1.10
	31	133	125.533	14	15	45	68	28			1.20
	32	137	129.569	14	15	45	68	28			1.30
	33	141	133.605	14	15	45	68	28			1.30
	34	145	137.642	14	15	45	68	28			1.30
	35	149	141.679	14	15	45	68	28			1.40
	36	153	145.716	16	17	45	68	28			1.50
	37	157	149.754	16	17	45	68	28			1.55
	38	161	153.791	16	17	45	68	28			1.60
	39	165	157.830	16	17	45	68	28			1.65
	40	169	161.868	16	17	45	68	28			1.70



Ground Specification



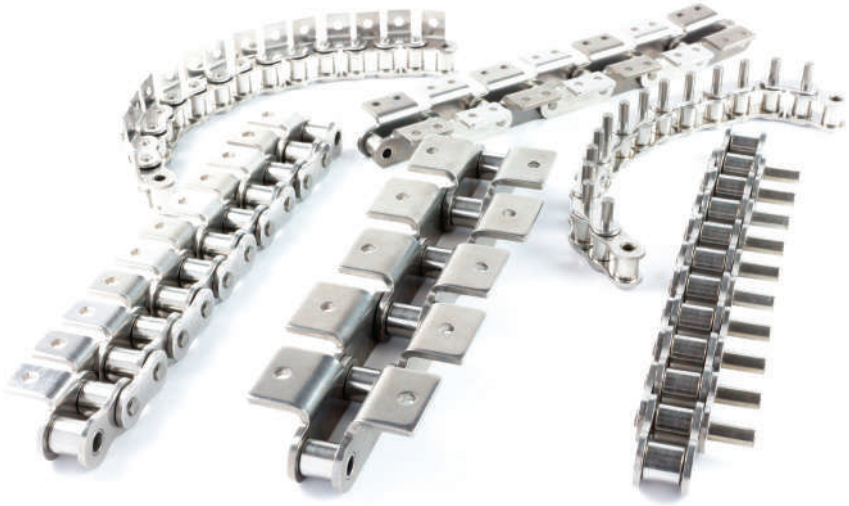
Welded Specification

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK40B	41	173	165.906	16	17	48	73	32	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	2.00
	42	177	169.945	16	17	48	73	32			2.05
	43	181	173.984	16	17	48	73	32			2.10
	44	185	178.023	16	17	48	73	32			2.17
	45	189	182.062	16	17	48	73	32			2.25
	46	193	186.101	16	17	48	73	32			2.30
	47	197	190.141	16	17	48	73	32			2.37
	48	201	194.180	16	17	48	73	32			2.45
	49	205	198.220	16	17	48	73	32			2.51
	50	209	202.260	16	17	48	73	32			2.60
	51	214	206.300	16	17	48	73	32			2.65
	52	218	210.340	16	17	48	73	32			2.72
	53	222	214.380	16	17	48	73	32			2.80
	54	226	218.420	16	17	48	73	32			2.90
	55	230	222.460	16	17	48	73	32			2.96
	56	234	226.501	16	17	48	73	32			3.04
	60	250	242.663	16	17	48	73	32			3.40
	64	266	258.826	16	17	48	73	32			3.73
	65	270	262.867	16	17	55	83	32			4.10
	68	282	274.990	16	17	55	83	32			4.35
	70	290	283.073	16	17	55	83	32			4.57
	72	299	291.155	20	21	55	83	32			4.80
	75	311	303.279	20	21	55	83	32			5.10
	80	331	323.486	20	21	60	88	35	Welded Specification	m Common Steel	5.90
	85	351	343.694	20	21	60	88	35			6.50
	90	371	363.902	20	21	60	88	35			7.15

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
8	5.2	18
9		23
10	5.2	27
11		31
12	5.2	35

MEMO



K40B

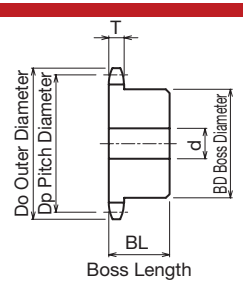
K Sprocket Former B-type

Order Product Code

K40B 20

TYPE — No. of Teeth

Sprocket No.



- Chain No.40
- Chain Pitch .....(P) 12.70 mm
- Roller Link Inner Width .....(W) 7.95 mm
- Roller Outside Diameter .....(Dr) 7.92 mm
- Tooth Width .....(T) 7.2 mm

Use together with the KANA machine key. Refer to P.334 to P.335

m Carbon Structural Steel

h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
K40B	10	47	41.098	9	10	16	28	25	Ground Specification	0.20
	11	51	45.078	10	11	16	30	25		0.20
	12	55	49.069	10	11	18	34	25		0.25
	13	59	53.068	12	13	20	38	25		0.25
	14	63	57.073	12	13	25	42	25		0.30
	15	67	61.084	12	13	28	46	25		0.35
	16	71	65.098	13	14	30	50	25		0.40
	17	76	69.116	13	14	32	54	30		0.55
	18	80	73.136	13	14	32	54	30		0.60
	19	84	77.159	14	15	32	54	30		0.65
	20	88	81.184	14	15	35	56	40		0.75
	21	92	85.211	14	15	35	56	40		0.80
	22	96	89.239	14	15	35	56	40		0.90
	23	100	93.268	14	15	35	56	40		1.00
	24	104	97.298	14	15	35	56	40		1.10
	25	108	101.330	14	15	35	56	40		1.15
	26	112	105.362	14	15	35	56	40		1.20
	27	116	109.395	14	15	45	65	40		1.25
	28	120	113.429	14	15	45	65	40		1.30
	29	124	117.463	14	15	45	65	40		1.40
	30	128	121.498	14	15	45	65	40		1.50
	31	133	125.533	14	15	45	65	40		1.70
	32	137	129.569	14	15	45	65	40		1.70
	33	141	133.605	14	15	45	65	40		1.75
	34	145	137.642	14	15	45	65	40		1.75
	35	149	141.679	14	15	45	65	40		1.75
	36	153	145.716	16	17	45	68	35		1.80
	37	157	149.754	16	17	45	68	35		1.85
	38	161	153.791	16	17	45	68	35		1.90
	39	165	157.830	16	17	45	68	35		1.96
	40	169	161.868	16	17	45	68	35		2.03

SUS40B

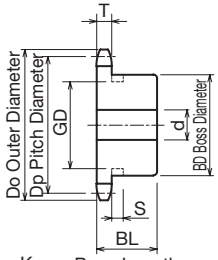
SUS Stainless Steel Sprocket B-type

Order Product Code

SUS40B 20

TYPE No. of Teeth

Sprocket No.



! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	5.2	23
10		27
11	5.2	31
12		35

Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.40**
- Chain Pitch .....**(P) 12.70 mm**
- Roller Link Inner Width .....**(W) 7.95 mm**
- Roller Outside Diameter .....**(Dr) 7.92 mm**
- Tooth Width .....**(T) 7.2 mm**

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS40B	9	43	37.132	9	10	16	★28	22	Ground Specification	0.11
	10	47	41.098	9	10	18	★32	22		0.14
	11	51	45.078	10	11	20	★36	22		0.19
	12	55	49.069	10	11	22	★40	22		0.22
	13	59	53.068	12	13	20	37	22		0.23
	14	63	57.073	12	13	25	42	22		0.28
	15	67	61.084	12	13	28	46	22		0.34
	16	71	65.098	13	14	30	50	22		0.40
	17	76	69.116	13	14	32	54	22		0.46
	18	80	73.136	13	14	35	57	22		0.51
	19	84	77.159	14	15	40	62	22		0.59
	20	88	81.184	14	15	45	67	25		0.76
	21	92	85.211	14	15	48	71	25		0.85
	22	96	89.239	14	15	51	75	25		0.95
	23	100	93.268	14	15	51	77	25		1.00
	24	104	97.298	14	15	42	63	25		0.84
	25	108	101.330	14	15	42	63	25		0.88
	26	112	105.362	14	15	42	63	25		0.92
	27	116	109.395	14	15	42	63	25		0.96
	28	120	113.429	14	15	42	63	25		1.00
	30	128	121.498	14	15	42	63	25		1.10
	32	137	129.569	14	15	45	68	28		1.30
	34	145	137.642	14	15	45	68	28		1.30
	35	149	141.679	14	15	45	68	28		1.40
	36	153	145.716	16	17	45	68	28		1.50
	38	161	153.791	16	17	45	68	28		1.60
	40	169	161.868	16	17	45	68	28		1.70

40SD

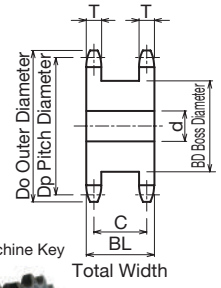
SD Single-Double Sprocket

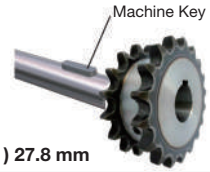
Order Product Code

40SD 20

TYPE No. of Teeth

Sprocket No.





Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.40**
- Chain Pitch .....**(P) 12.70 mm**
- Roller Link Inner Width .....**(W) 7.95 mm**
- Roller Outside Diameter .....**(Dr) 7.92 mm**
- Tooth Width .....**(T) 7.2 mm (C) 27.8 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
				Prepared Hole	Minimum	Maximum			
40SD	10	47	41.098	10	11	15	25	35	0.20
	11	51	45.078	10	11	16	30	35	0.27
	12	55	49.069	10	11	18	34	35	0.33
	13	59	53.068	13	14	20	38	35	0.40
	14	63	57.073	13	14	25	42	35	0.49
	15	67	61.084	13	14	28	46	35	0.57
	16	71	65.098	13	14	30	50	35	0.66
	17	76	69.116	13	14	32	54	35	0.76
	18	80	73.136	13	14	38	59	35	0.89
	19	84	77.159	13	14	42	63	35	1.00
	20	88	81.184	13	14	45	67	35	1.14
	21	92	85.211	13	14	48	71	35	1.23
	22	96	89.239	13	14	50	75	35	1.38
	23	100	93.268	13	14	52	78	35	1.51
	24	104	97.298	13	14	55	83	35	1.68
	25	108	101.330	13	14	58	87	35	1.84
	26	112	105.362	13	14	62	92	35	2.02
	27	116	109.395	16	17	65	96	35	2.04
	28	120	113.429	16	17	68	100	35	2.22
	29	124	117.463	16	17	70	104	35	2.56
	30	128	121.498	16	17	75	108	35	2.75

NK40-2B

Order Product Code

NK40-2B 15

TYPE — No. of Teeth

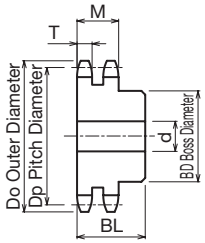
Sprocket No.

Ground Specification

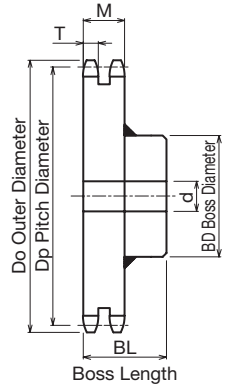
Welded Specification
(Black stain also mixed in)

Use together
with the KANA machine key.
Refer to P.334 to P.335

- Chain No.40
- Chain Pitch .....(P) 12.70 mm
- Roller Link Inner Width .....(W) 7.95 mm
- Roller Outside Diameter .....(Dr) 7.92 mm
- Tooth Width .....(T) 7.2 mm
- Complete Tooth Width .....(M) 21.4 mm



Ground Specification



Welded Specification

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK40-2B	10	47	41.098	10	11	16	28	35	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.28
	11	51	45.078	10	11	16	30	35			0.30
	12	55	49.069	10	11	20	35	35			0.34
	13	59	53.068	13	14	22	39	35			0.40
	14	63	57.073	13	14	25	43	35			0.47
	15	67	61.084	13	14	28	47	35			0.55
	16	71	65.098	13	14	30	50	35			0.65
	17	76	69.116	13	14	32	54	35			0.75
	18	80	73.136	13	14	38	59	35			0.85
	19	84	77.159	13	14	42	63	35			0.98
	20	88	81.184	13	14	45	67	40			1.30
	21	92	85.211	13	14	45	68	40			1.30
	22	96	89.239	13	14	48	72	40			1.50
	23	100	93.268	13	14	51	76	40			1.60
	24	104	97.298	13	14	55	80	40			1.80
	25	108	101.330	13	14	57	84	40			2.00
	26	112	105.362	13	14	60	88	40			2.20
	27	116	109.395	16	17	60	92	40			2.30
	28	120	113.429	16	17	66	96	40			2.50
	29	124	117.463	16	17	66	96	40			2.65

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK40-2B	30	128	121.498	16	17	66	100	40	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	2.80
	31	133	125.533	16	17	66	100	50			2.95
	32	137	129.569	16	17	66	100	50			3.05
	33	141	133.605	16	17	66	100	50			3.06
	34	145	137.642	16	17	66	100	50			3.08
	35	149	141.679	16	17	66	100	50			3.10
	36	153	145.716	16	17	66	100	50			3.30
	37	157	149.754	16	17	66	100	50			3.40
	38	161	153.791	16	17	66	100	50			3.50
	40	169	161.868	16	17	66	100	50			3.60
	42	177	169.945	16	17	63	93	50			4.00
	45	189	182.062	18	19	63	93	50			4.60
	48	201	194.180	18	19	63	93	50			5.00
	50	209	202.260	18	19	63	93	50			5.50
	54	226	218.420	18	19	63	93	50			5.80
	60	250	242.663	18	19	63	93	50			6.70
	65	270	262.867	20	21	63	93	50	Welded Specification	m Common Steel	10.20
	70	290	283.073	20	21	63	93	50			11.50

FBN50B

FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN50B20D22

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.50**
- Chain Pitch ..... **(P) 15.875 mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**

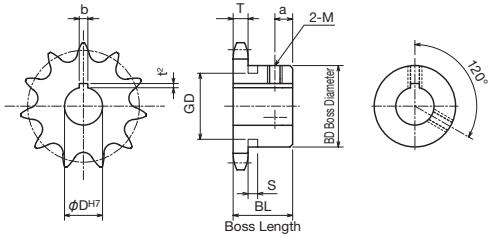
! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	6.4	29
10		34
11	6.4	39
12		44
13	6.4	49

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335

! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B9D16	9	16	5×2.3	6	53.0	46.415	★34	25	5	0.20
FBN50B9D17	9	17	5×2.3	6	53.0	46.415	★34	25	5	0.20
FBN50B9D18	9	18	6×2.8	6	53.0	46.415	★34	25	5	0.20
FBN50B9D19	9	19	6×2.8	6	53.0	46.415	★34	25	5	0.20
FBN50B10D15	10	15	5×2.3	6	58.0	51.373	★40	25	5	0.27
FBN50B10D16	10	16	5×2.3	6	58.0	51.373	★40	25	5	0.27
FBN50B10D17	10	17	5×2.3	6	58.0	51.373	★40	25	5	0.27
FBN50B10D18	10	18	6×2.8	6	58.0	51.373	★40	25	5	0.27
FBN50B10D19	10	19	6×2.8	6	58.0	51.373	★40	25	5	0.27
FBN50B10D20	10	20	6×2.8	6	58.0	51.373	★40	25	5	0.27
FBN50B10D22	10	22	6×2.8	6	58.0	51.373	★40	25	5	0.27
FBN50B10D24	10	24	8×3.3	✳6	58.0	51.373	★40	25	5	0.27
FBN50B10D25	10	25	8×3.3	✳6	58.0	51.373	★40	25	5	0.27
FBN50B11D15	11	15	5×2.3	6	64.0	56.348	★45.5	25	5	0.33
FBN50B11D16	11	16	5×2.3	6	64.0	56.348	★45.5	25	5	0.33
FBN50B11D17	11	17	5×2.3	6	64.0	56.348	★45.5	25	5	0.33
FBN50B11D18	11	18	6×2.8	6	64.0	56.348	★45.5	25	5	0.33
FBN50B11D19	11	19	6×2.8	6	64.0	56.348	★45.5	25	5	0.33
FBN50B11D20	11	20	6×2.8	6	64.0	56.348	★45.5	25	5	0.33
FBN50B11D22	11	22	6×2.8	6	64.0	56.348	★45.5	25	5	0.33
FBN50B11D24	11	24	8×3.3	✳6	64.0	56.348	★45.5	25	5	0.33
FBN50B11D25	11	25	8×3.3	✳6	64.0	56.348	★45.5	25	5	0.33
FBN50B12D15	12	15	5×2.3	6	69.0	61.336	★50	25	5	0.41
FBN50B12D16	12	16	5×2.3	6	69.0	61.336	★50	25	5	0.41
FBN50B12D17	12	17	5×2.3	6	69.0	61.336	★50	25	5	0.41
FBN50B12D18	12	18	6×2.8	6	69.0	61.336	★50	25	5	0.41
FBN50B12D19	12	19	6×2.8	6	69.0	61.336	★50	25	5	0.41
FBN50B12D20	12	20	6×2.8	6	69.0	61.336	★50	25	5	0.41
FBN50B12D22	12	22	6×2.8	6	69.0	61.336	★50	25	5	0.41
FBN50B12D24	12	24	8×3.3	✳6	69.0	61.336	★50	25	5	0.41
FBN50B12D25	12	25	8×3.3	✳6	69.0	61.336	★50	25	5	0.41
FBN50B12D28	12	28	8×3.3	✳6	69.0	61.336	★50	25	5	0.41
FBN50B12D30	12	30	8×3.3	✳6	69.0	61.336	★50	25	5	0.41
FBN50B12D32	12	32	10×3.3	✳6	69.0	61.336	★50	25	5	0.41

✳M is a set screw. ✳ The seal set screws differ from the usual due to the boss type.

TYPE FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B13D14	13	14	5×2.3	6	74.0	66.335	★51	25	5	0.46
FBN50B13D15	13	15	5×2.3	6	74.0	66.335	★51	25	5	0.46
FBN50B13D16	13	16	5×2.3	6	74.0	66.335	★51	25	5	0.46
FBN50B13D17	13	17	5×2.3	6	74.0	66.335	★51	25	5	0.46
FBN50B13D18	13	18	6×2.8	6	74.0	66.335	★51	25	5	0.46
FBN50B13D19	13	19	6×2.8	6	74.0	66.335	★51	25	5	0.46
FBN50B13D20	13	20	6×2.8	6	74.0	66.335	★51	25	5	0.46
FBN50B13D22	13	22	6×2.8	6	74.0	66.335	★51	25	5	0.46
FBN50B13D24	13	24	8×3.3	✳6	74.0	66.335	★51	25	5	0.46
FBN50B13D25	13	25	8×3.3	✳6	74.0	66.335	★51	25	5	0.46
FBN50B13D28	13	28	8×3.3	✳6	74.0	66.335	★51	25	5	0.46
FBN50B13D30	13	30	8×3.3	✳6	74.0	66.335	★51	25	5	0.46
FBN50B13D32	13	32	10×3.3	✳6	74.0	66.335	★51	25	5	0.46
FBN50B14D14	14	14	5×2.3	6	79.0	71.342	52	25	7	0.52
FBN50B14D15	14	15	5×2.3	6	79.0	71.342	52	25	7	0.52
FBN50B14D16	14	16	5×2.3	6	79.0	71.342	52	25	7	0.52
FBN50B14D17	14	17	5×2.3	6	79.0	71.342	52	25	7	0.52
FBN50B14D18	14	18	6×2.8	6	79.0	71.342	52	25	7	0.52
FBN50B14D19	14	19	6×2.8	6	79.0	71.342	52	25	7	0.52
FBN50B14D20	14	20	6×2.8	6	79.0	71.342	52	25	7	0.52
FBN50B14D22	14	22	6×2.8	6	79.0	71.342	52	25	7	0.52
FBN50B14D24	14	24	8×3.3	8	79.0	71.342	52	25	7	0.52
FBN50B14D25	14	25	8×3.3	8	79.0	71.342	52	25	7	0.52
FBN50B14D28	14	28	8×3.3	8	79.0	71.342	52	25	7	0.52
FBN50B14D30	14	30	8×3.3	8	79.0	71.342	52	25	7	0.52
FBN50B14D32	14	32	10×3.3	8	79.0	71.342	52	25	7	0.52
FBN50B14D35	14	35	10×3.3	✳6	79.0	71.342	52	25	7	0.52
FBN50B15D14	15	14	5×2.3	6	84.0	76.355	57	25	7	0.62
FBN50B15D15	15	15	5×2.3	6	84.0	76.355	57	25	7	0.62
FBN50B15D16	15	16	5×2.3	6	84.0	76.355	57	25	7	0.62
FBN50B15D17	15	17	5×2.3	6	84.0	76.355	57	25	7	0.62
FBN50B15D18	15	18	6×2.8	6	84.0	76.355	57	25	7	0.62
FBN50B15D19	15	19	6×2.8	6	84.0	76.355	57	25	7	0.62
FBN50B15D20	15	20	6×2.8	6	84.0	76.355	57	25	7	0.62

✳M is a set screw. ✳ The seal set screws differ from the usual due to the boss type.

FBN50B

Order Product Code

FBN50B20D22

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.50**
- Chain Pitch ..... **(P) 15.875 mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**

TYPE	FBN50B

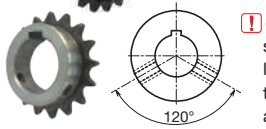
m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B15D22	15	22	6×2.8	6	84.0	76.355	57	25	7	0.62
FBN50B15D24	15	24	8×3.3	8	84.0	76.355	57	25	7	0.62
FBN50B15D25	15	25	8×3.3	8	84.0	76.355	57	25	7	0.62
FBN50B15D28	15	28	8×3.3	8	84.0	76.355	57	25	7	0.62
FBN50B15D30	15	30	8×3.3	8	84.0	76.355	57	25	7	0.62
FBN50B15D32	15	32	10×3.3	8	84.0	76.355	57	25	7	0.62
FBN50B15D35	15	35	10×3.3	8	84.0	76.355	57	25	7	0.62
FBN50B15D38	15	38	10×3.3	8	84.0	76.355	57	25	7	0.62
FBN50B16D14	16	14	5×2.3	6	89.0	81.373	62	25	7	0.72
FBN50B16D15	16	15	5×2.3	6	89.0	81.373	62	25	7	0.72
FBN50B16D16	16	16	5×2.3	6	89.0	81.373	62	25	7	0.72
FBN50B16D17	16	17	5×2.3	6	89.0	81.373	62	25	7	0.72
FBN50B16D18	16	18	6×2.8	6	89.0	81.373	62	25	7	0.72
FBN50B16D19	16	19	6×2.8	6	89.0	81.373	62	25	7	0.72
FBN50B16D20	16	20	6×2.8	6	89.0	81.373	62	25	7	0.72
FBN50B16D22	16	22	6×2.8	6	89.0	81.373	62	25	7	0.72
FBN50B16D24	16	24	8×3.3	8	89.0	81.373	62	25	7	0.72
FBN50B16D25	16	25	8×3.3	8	89.0	81.373	62	25	7	0.72
FBN50B16D28	16	28	8×3.3	8	89.0	81.373	62	25	7	0.72
FBN50B16D30	16	30	8×3.3	8	89.0	81.373	62	25	7	0.72
FBN50B16D32	16	32	10×3.3	8	89.0	81.373	62	25	7	0.72
FBN50B16D35	16	35	10×3.3	8	89.0	81.373	62	25	7	0.72
FBN50B16D38	16	38	10×3.3	8	89.0	81.373	62	25	7	0.72
FBN50B16D40	16	40	12×3.3	8	89.0	81.373	62	25	7	0.72
FBN50B17D14	17	14	5×2.3	6	94.0	86.395	67	25	7	0.83
FBN50B17D15	17	15	5×2.3	6	94.0	86.395	67	25	7	0.83
FBN50B17D16	17	16	5×2.3	6	94.0	86.395	67	25	7	0.83
FBN50B17D17	17	17	5×2.3	6	94.0	86.395	67	25	7	0.83
FBN50B17D18	17	18	6×2.8	6	94.0	86.395	67	25	7	0.83
FBN50B17D19	17	19	6×2.8	6	94.0	86.395	67	25	7	0.83
FBN50B17D20	17	20	6×2.8	6	94.0	86.395	67	25	7	0.83
FBN50B17D22	17	22	6×2.8	6	94.0	86.395	67	25	7	0.83
FBN50B17D24	17	24	8×3.3	8	94.0	86.395	67	25	7	0.83
FBN50B17D25	17	25	8×3.3	8	94.0	86.395	67	25	7	0.83

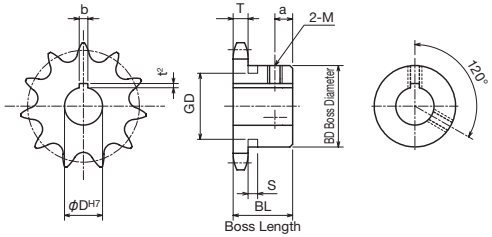
∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE	FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B17D28	17	28	8×3.3	8	94.0	86.395	67	25	7	0.83
FBN50B17D30	17	30	8×3.3	8	94.0	86.395	67	25	7	0.83
FBN50B17D32	17	32	10×3.3	8	94.0	86.395	67	25	7	0.83
FBN50B17D35	17	35	10×3.3	8	94.0	86.395	67	25	7	0.83
FBN50B17D38	17	38	10×3.3	8	94.0	86.395	67	25	7	0.83
FBN50B17D40	17	40	12×3.3	8	94.0	86.395	67	25	7	0.83
FBN50B17D42	17	42	12×3.3	8	94.0	86.395	67	25	7	0.83
FBN50B17D45	17	45	14×3.8	10	94.0	86.395	67	25	7	0.83
FBN50B18D14	18	14	5×2.3	6	100.0	91.420	72	28	8	1.00
FBN50B18D15	18	15	5×2.3	6	100.0	91.420	72	28	8	1.00
FBN50B18D16	18	16	5×2.3	6	100.0	91.420	72	28	8	1.00
FBN50B18D17	18	17	5×2.3	6	100.0	91.420	72	28	8	1.00
FBN50B18D18	18	18	6×2.8	6	100.0	91.420	72	28	8	1.00
FBN50B18D19	18	19	6×2.8	6	100.0	91.420	72	28	8	1.00
FBN50B18D20	18	20	6×2.8	6	100.0	91.420	72	28	8	1.00
FBN50B18D22	18	22	6×2.8	6	100.0	91.420	72	28	8	1.00
FBN50B18D24	18	24	8×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D25	18	25	8×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D28	18	28	8×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D30	18	30	8×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D32	18	32	10×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D35	18	35	10×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D38	18	38	10×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D40	18	40	12×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D42	18	42	12×3.3	8	100.0	91.420	72	28	8	1.00
FBN50B18D45	18	45	14×3.8	10	100.0	91.420	72	28	8	1.00
FBN50B19D14	19	14	5×2.3	6	105.0	96.449	73	28	8	1.10
FBN50B19D15	19	15	5×2.3	6	105.0	96.449	73	28	8	1.10
FBN50B19D16	19	16	5×2.3	6	105.0	96.449	73	28	8	1.10
FBN50B19D17	19	17	5×2.3	6	105.0	96.449	73	28	8	1.10
FBN50B19D18	19	18	6×2.8	6	105.0	96.449	73	28	8	1.10
FBN50B19D19	19	19	6×2.8	6	105.0	96.449	73	28	8	1.10
FBN50B19D20	19	20	6×2.8	6	105.0	96.449	73	28	8	1.10
FBN50B19D22	19	22	6×2.8	6	105.0	96.449	73	28	8	1.10

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN50B

FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN50B20D22

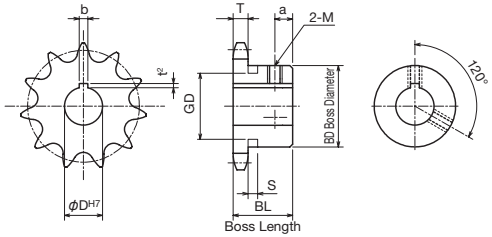
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.50**
- Chain Pitch ..... **(P) 15.875 mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**

Use together with the KANA machine key. Refer to P.334 to P.335

! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B19D24	19	24	8×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D25	19	25	8×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D28	19	28	8×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D30	19	30	8×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D32	19	32	10×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D35	19	35	10×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D38	19	38	10×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D40	19	40	12×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D42	19	42	12×3.3	8	105.0	96.449	73	28	8	1.10
FBN50B19D45	19	45	14×3.8	10	105.0	96.449	73	28	8	1.10
FBN50B20D14	20	14	5×2.3	6	110.0	101.480	73	28	8	1.20
FBN50B20D15	20	15	5×2.3	6	110.0	101.480	73	28	8	1.20
FBN50B20D16	20	16	5×2.3	6	110.0	101.480	73	28	8	1.20
FBN50B20D17	20	17	5×2.3	6	110.0	101.480	73	28	8	1.20
FBN50B20D18	20	18	6×2.8	6	110.0	101.480	73	28	8	1.20
FBN50B20D19	20	19	6×2.8	6	110.0	101.480	73	28	8	1.20
FBN50B20D20	20	20	6×2.8	6	110.0	101.480	73	28	8	1.20
FBN50B20D22	20	22	6×2.8	6	110.0	101.480	73	28	8	1.20
FBN50B20D24	20	24	8×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D25	20	25	8×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D28	20	28	8×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D30	20	30	8×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D32	20	32	10×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D35	20	35	10×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D38	20	38	10×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D40	20	40	12×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D42	20	42	12×3.3	8	110.0	101.480	73	28	8	1.20
FBN50B20D45	20	45	14×3.8	10	110.0	101.480	73	28	8	1.20
FBN50B20D50	20	50	14×3.8	10	110.0	101.480	73	28	8	1.20
FBN50B21D17	21	17	5×2.3	6	115.0	106.513	73	28	8	1.20
FBN50B21D18	21	18	6×2.8	6	115.0	106.513	73	28	8	1.20
FBN50B21D19	21	19	6×2.8	6	115.0	106.513	73	28	8	1.20
FBN50B21D20	21	20	6×2.8	6	115.0	106.513	73	28	8	1.20

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B21D22	21	22	6×2.8	6	115.0	106.513	73	28	8	1.20
FBN50B21D24	21	24	8×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D25	21	25	8×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D28	21	28	8×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D30	21	30	8×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D32	21	32	10×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D35	21	35	10×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D38	21	38	10×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D40	21	40	12×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D42	21	42	12×3.3	8	115.0	106.513	73	28	8	1.20
FBN50B21D45	21	45	14×3.8	10	115.0	106.513	73	28	8	1.20
FBN50B22D17	22	17	5×2.3	6	120.0	111.548	73	28	8	1.30
FBN50B22D18	22	18	6×2.8	6	120.0	111.548	73	28	8	1.30
FBN50B22D19	22	19	6×2.8	6	120.0	111.548	73	28	8	1.30
FBN50B22D20	22	20	6×2.8	6	120.0	111.548	73	28	8	1.30
FBN50B22D22	22	22	6×2.8	6	120.0	111.548	73	28	8	1.30
FBN50B22D24	22	24	8×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D25	22	25	8×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D28	22	28	8×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D30	22	30	8×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D32	22	32	10×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D35	22	35	10×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D38	22	38	10×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D40	22	40	12×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D42	22	42	12×3.3	8	120.0	111.548	73	28	8	1.30
FBN50B22D45	22	45	14×3.8	10	120.0	111.548	73	28	8	1.30
FBN50B23D17	23	17	5×2.3	6	125.0	116.585	73	28	8	1.30
FBN50B23D18	23	18	6×2.8	6	125.0	116.585	73	28	8	1.30
FBN50B23D19	23	19	6×2.8	6	125.0	116.585	73	28	8	1.30
FBN50B23D20	23	20	6×2.8	6	125.0	116.585	73	28	8	1.30
FBN50B23D22	23	22	6×2.8	6	125.0	116.585	73	28	8	1.30
FBN50B23D24	23	24	8×3.3	8	125.0	116.585	73	28	8	1.30
FBN50B23D25	23	25	8×3.3	8	125.0	116.585	73	28	8	1.30

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN50B

FBN Finished Bore Sprocket New JIS Keyway Specification

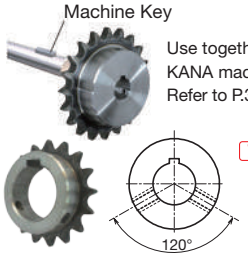
Order Product Code

FBN50B20D22

TYPE — No. of Teeth — ϕD^{H7}

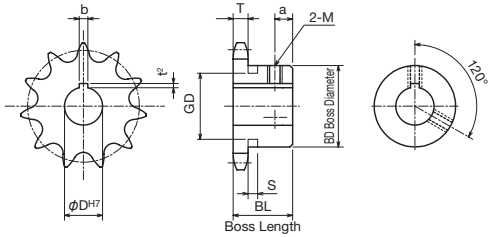
Sprocket No.

- Chain **No.50**
- Chain Pitch ..... **(P) 15.875 mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**



Use together with the KANA machine key. Refer to P.334 to P.335

! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B23D28	23	28	8×3.3	8	125.0	116.585	73	28	8	1.30
FBN50B23D30	23	30	8×3.3	8	125.0	116.585	73	28	8	1.30
FBN50B23D32	23	32	10×3.3	8	125.0	116.585	73	28	8	1.30
FBN50B23D35	23	35	10×3.3	8	125.0	116.585	73	28	8	1.30
FBN50B23D38	23	38	10×3.3	8	125.0	116.585	73	28	8	1.30
FBN50B23D40	23	40	12×3.3	8	125.0	116.585	73	28	8	1.30
FBN50B23D42	23	42	12×3.3	8	125.0	116.585	73	28	8	1.30
FBN50B23D45	23	45	14×3.8	10	125.0	116.585	73	28	8	1.30
FBN50B24D17	24	17	5×2.3	6	130.0	121.623	73	28	8	1.40
FBN50B24D18	24	18	6×2.8	6	130.0	121.623	73	28	8	1.40
FBN50B24D19	24	19	6×2.8	6	130.0	121.623	73	28	8	1.40
FBN50B24D20	24	20	6×2.8	6	130.0	121.623	73	28	8	1.40
FBN50B24D22	24	22	6×2.8	6	130.0	121.623	73	28	8	1.40
FBN50B24D24	24	24	8×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D25	24	25	8×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D28	24	28	8×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D30	24	30	8×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D32	24	32	10×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D35	24	35	10×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D38	24	38	10×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D40	24	40	12×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D42	24	42	12×3.3	8	130.0	121.623	73	28	8	1.40
FBN50B24D45	24	45	14×3.8	10	130.0	121.623	73	28	8	1.40
FBN50B25D17	25	17	5×2.3	6	135.0	126.662	73	28	8	1.50
FBN50B25D18	25	18	6×2.8	6	135.0	126.662	73	28	8	1.50
FBN50B25D19	25	19	6×2.8	6	135.0	126.662	73	28	8	1.50
FBN50B25D20	25	20	6×2.8	6	135.0	126.662	73	28	8	1.50
FBN50B25D22	25	22	6×2.8	6	135.0	126.662	73	28	8	1.50
FBN50B25D24	25	24	8×3.3	8	135.0	126.662	73	28	8	1.50
FBN50B25D25	25	25	8×3.3	8	135.0	126.662	73	28	8	1.50
FBN50B25D28	25	28	8×3.3	8	135.0	126.662	73	28	8	1.50
FBN50B25D30	25	30	8×3.3	8	135.0	126.662	73	28	8	1.50
FBN50B25D32	25	32	10×3.3	8	135.0	126.662	73	28	8	1.50

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B25D35	25	35	10×3.3	8	135.0	126.662	73	28	8	1.50
FBN50B25D38	25	38	10×3.3	8	135.0	126.662	73	28	8	1.50
FBN50B25D40	25	40	12×3.3	8	135.0	126.662	73	28	8	1.50
FBN50B25D42	25	42	12×3.3	8	135.0	126.662	73	28	8	1.50
FBN50B25D45	25	45	14×3.8	10	135.0	126.662	73	28	8	1.50
FBN50B26D22	26	22	6×2.8	6	140.0	131.703	73	28	8	1.50
FBN50B26D24	26	24	8×3.3	8	140.0	131.703	73	28	8	1.50
FBN50B26D25	26	25	8×3.3	8	140.0	131.703	73	28	8	1.50
FBN50B26D28	26	28	8×3.3	8	140.0	131.703	73	28	8	1.50
FBN50B26D30	26	30	8×3.3	8	140.0	131.703	73	28	8	1.50
FBN50B26D32	26	32	10×3.3	8	140.0	131.703	73	28	8	1.50
FBN50B26D35	26	35	10×3.3	8	140.0	131.703	73	28	8	1.50
FBN50B26D38	26	38	10×3.3	8	140.0	131.703	73	28	8	1.50
FBN50B26D40	26	40	12×3.3	8	140.0	131.703	73	28	8	1.50
FBN50B26D45	26	45	14×3.8	10	140.0	131.703	73	28	8	1.50
FBN50B27D24	27	24	8×3.3	8	145.0	136.744	73	28	8	1.50
FBN50B27D25	27	25	8×3.3	8	145.0	136.744	73	28	8	1.50
FBN50B27D28	27	28	8×3.3	8	145.0	136.744	73	28	8	1.50
FBN50B27D30	27	30	8×3.3	8	145.0	136.744	73	28	8	1.50
FBN50B27D32	27	32	10×3.3	8	145.0	136.744	73	28	8	1.50
FBN50B27D35	27	35	10×3.3	8	145.0	136.744	73	28	8	1.50
FBN50B27D38	27	38	10×3.3	8	145.0	136.744	73	28	8	1.50
FBN50B27D40	27	40	12×3.3	8	145.0	136.744	73	28	8	1.50
FBN50B27D45	27	45	14×3.8	10	145.0	136.744	73	28	8	1.50
FBN50B28D20	28	20	6×2.8	6	150.0	141.786	73	28	8	1.60
FBN50B28D24	28	24	8×3.3	8	150.0	141.786	73	28	8	1.60
FBN50B28D25	28	25	8×3.3	8	150.0	141.786	73	28	8	1.60
FBN50B28D28	28	28	8×3.3	8	150.0	141.786	73	28	8	1.60
FBN50B28D30	28	30	8×3.3	8	150.0	141.786	73	28	8	1.60
FBN50B28D32	28	32	10×3.3	8	150.0	141.786	73	28	8	1.60
FBN50B28D35	28	35	10×3.3	8	150.0	141.786	73	28	8	1.60
FBN50B28D38	28	38	10×3.3	8	150.0	141.786	73	28	8	1.60
FBN50B28D40	28	40	12×3.3	8	150.0	141.786	73	28	8	1.60

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN50B

FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN50B20D22

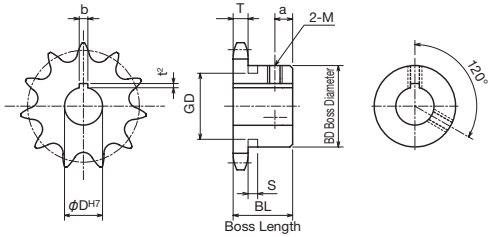
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.50**
- Chain Pitch ..... **(P) 15.875 mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**

Use together with the KANA machine key. Refer to P.334 to P.335

! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B28D42	28	42	12×3.3	8	150.0	141.786	73	28	8	1.60
FBN50B28D45	28	45	14×3.8	10	150.0	141.786	73	28	8	1.60
FBN50B29D24	29	24	8×3.3	8	155.0	146.829	73	28	8	1.70
FBN50B29D30	29	30	8×3.3	8	155.0	146.829	73	28	8	1.70
FBN50B30D22	30	22	6×2.8	6	161.0	151.873	73	28	8	1.80
FBN50B30D25	30	25	8×3.3	8	161.0	151.873	73	28	8	1.80
FBN50B30D28	30	28	8×3.3	8	161.0	151.873	73	28	8	1.80
FBN50B30D30	30	30	8×3.3	8	161.0	151.873	73	28	8	1.80
FBN50B30D32	30	32	10×3.3	8	161.0	151.873	73	28	8	1.80
FBN50B30D35	30	35	10×3.3	8	161.0	151.873	73	28	8	1.80
FBN50B30D38	30	38	10×3.3	8	161.0	151.873	73	28	8	1.80
FBN50B30D40	30	40	12×3.3	8	161.0	151.873	73	28	8	1.80
FBN50B30D45	30	45	14×3.8	10	161.0	151.873	73	28	8	1.80
FBN50B32D25	32	25	8×3.3	8	171.0	161.961	73	28	8	1.90
FBN50B32D28	32	28	8×3.3	8	171.0	161.961	73	28	8	1.90
FBN50B32D30	32	30	8×3.3	8	171.0	161.961	73	28	8	1.90
FBN50B32D32	32	32	10×3.3	8	171.0	161.961	73	28	8	1.90
FBN50B32D35	32	35	10×3.3	8	171.0	161.961	73	28	8	1.90
FBN50B32D38	32	38	10×3.3	8	171.0	161.961	73	28	8	1.90
FBN50B32D40	32	40	12×3.3	8	171.0	161.961	73	28	8	1.90
FBN50B32D45	32	45	14×3.8	10	171.0	161.961	73	28	8	1.90
FBN50B33D35	33	35	10×3.3	8	176.0	167.007	73	28	8	2.00
FBN50B33D40	33	40	12×3.3	8	176.0	167.007	73	28	8	2.00
FBN50B34D25	34	25	8×3.3	8	181.0	172.052	73	28	8	2.10
FBN50B34D28	34	28	8×3.3	8	181.0	172.052	73	28	8	2.10
FBN50B34D30	34	30	8×3.3	8	181.0	172.052	73	28	8	2.10
FBN50B34D32	34	32	10×3.3	8	181.0	172.052	73	28	8	2.10
FBN50B34D35	34	35	10×3.3	8	181.0	172.052	73	28	8	2.10
FBN50B34D38	34	38	10×3.3	8	181.0	172.052	73	28	8	2.10
FBN50B34D40	34	40	12×3.3	8	181.0	172.052	73	28	8	2.10
FBN50B34D45	34	45	14×3.8	10	181.0	172.052	73	28	8	2.10
FBN50B35D25	35	25	8×3.3	8	186.0	177.099	73	28	8	2.20
FBN50B35D28	35	28	8×3.3	8	186.0	177.099	73	28	8	2.20

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN50B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50B35D30	35	30	8×3.3	8	186.0	177.099	73	28	8	2.20
FBN50B35D32	35	32	10×3.3	8	186.0	177.099	73	28	8	2.20
FBN50B35D35	35	35	10×3.3	8	186.0	177.099	73	28	8	2.20
FBN50B35D38	35	38	10×3.3	8	186.0	177.099	73	28	8	2.20
FBN50B35D40	35	40	12×3.3	8	186.0	177.099	73	28	8	2.20
FBN50B35D45	35	45	14×3.8	10	186.0	177.099	73	28	8	2.20
FBN50B36D40	36	40	12×3.3	8	191.0	182.145	83	35	8	2.85
FBN50B40D30	40	30	8×3.3	8	211.0	202.335	83	35	10	3.25
FBN50B40D32	40	32	10×3.3	8	211.0	202.335	83	35	10	3.25
FBN50B40D35	40	35	10×3.3	8	211.0	202.335	83	35	10	3.25
FBN50B40D40	40	40	12×3.3	8	211.0	202.335	83	35	10	3.25
FBN50B40D45	40	45	14×3.8	10	211.0	202.335	83	35	10	3.25
FBN50B40D50	40	50	14×3.8	10	211.0	202.335	83	35	10	3.25
FBN50B42D32	42	32	10×3.3	8	221.0	212.431	83	35	10	3.50
FBN50B42D35	42	35	10×3.3	8	221.0	212.431	83	35	10	3.50
FBN50B42D40	42	40	12×3.3	8	221.0	212.431	83	35	10	3.50
FBN50B42D45	42	45	14×3.8	10	221.0	212.431	83	35	10	3.50
FBN50B42D50	42	50	14×3.8	10	221.0	212.431	83	35	10	3.50
FBN50B45D32	45	32	10×3.3	8	237.0	227.577	83	35	10	3.85
FBN50B45D35	45	35	10×3.3	8	237.0	227.577	83	35	10	3.85
FBN50B45D40	45	40	12×3.3	8	237.0	227.577	83	35	10	3.85
FBN50B45D45	45	45	14×3.8	10	237.0	227.577	83	35	10	3.85
FBN50B45D50	45	50	14×3.8	10	237.0	227.577	83	35	10	3.85
FBN50B48D32	48	32	10×3.3	8	252.0	242.725	83	35	10	4.20
FBN50B48D35	48	35	10×3.3	8	252.0	242.725	83	35	10	4.20
FBN50B48D40	48	40	12×3.3	8	252.0	242.725	83	35	10	4.20
FBN50B48D45	48	45	14×3.8	10	252.0	242.725	83	35	10	4.20
FBN50B48D50	48	50	14×3.8	10	252.0	242.725	83	35	10	4.20
FBN50B50D30	50	30	8×3.3	8	262.0	252.825	83	35	10	4.50
FBN50B50D32	50	32	10×3.3	8	262.0	252.825	83	35	10	4.50
FBN50B50D35	50	35	10×3.3	8	262.0	252.825	83	35	10	4.50
FBN50B50D40	50	40	12×3.3	8	262.0	252.825	83	35	10	4.50
FBN50B50D45	50	45	14×3.8	10	262.0	252.825	83	35	10	4.50
FBN50B50D50	50	50	14×3.8	10	262.0	252.825	83	35	10	4.50

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

SUSFBN50B

SUS FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

SUSFBN50B 18 D22

TYPE — No. of Teeth — ϕD^{H7}

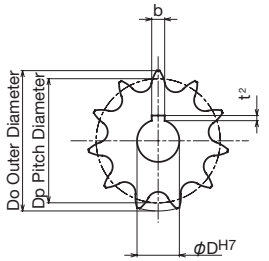
Sprocket No.

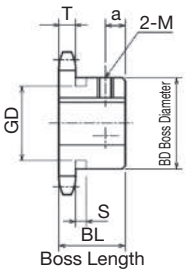
- Chain No.50
- Chain Pitch ..... (P) 15.875 mm
- Roller Link Inner Width ... (W) 9.53 mm
- Roller Outside Diameter ... (Dr) 10.16 mm
- Tooth Width ..... (T) 8.7 mm

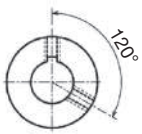
! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
10	6.4	34
11	6.4	39
12		44
13	6.4	49

Use together with the KANA machine key. Refer to P.334 to P.335







TYPE SUSFBN50B

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN50B10D20	10	20	6×2.8	6	58	51.37	★40	25	5	0.27
SUSFBN50B10D22	10	22	6×2.8	6	58	51.37	★40	25	5	0.27
SUSFBN50B11D20	11	20	6×2.8	6	64	56.35	★45.5	25	5	0.33
SUSFBN50B11D22	11	22	6×2.8	6	64	56.35	★45.5	25	5	0.33
SUSFBN50B11D24	11	24	8×3.3	∗6	64	56.35	★45.5	25	5	0.33
SUSFBN50B11D25	11	25	8×3.3	∗6	64	56.35	★45.5	25	5	0.33
SUSFBN50B12D20	12	20	6×2.8	6	69	61.34	★50	25	5	0.41
SUSFBN50B12D22	12	22	6×2.8	6	69	61.34	★50	25	5	0.41
SUSFBN50B12D24	12	24	8×3.3	∗6	69	61.34	★50	25	5	0.41
SUSFBN50B12D25	12	25	8×3.3	∗6	69	61.34	★50	25	5	0.41
SUSFBN50B13D20	13	20	6×2.8	6	74	66.34	★51	25	5	0.46
SUSFBN50B13D22	13	22	6×2.8	6	74	66.34	★51	25	5	0.46
SUSFBN50B13D24	13	24	8×3.3	∗6	74	66.34	★51	25	5	0.46
SUSFBN50B13D25	13	25	8×3.3	∗6	74	66.34	★51	25	5	0.46
SUSFBN50B14D20	14	20	6×2.8	6	79	71.34	52	25	7	0.52
SUSFBN50B14D22	14	22	6×2.8	6	79	71.34	52	25	7	0.52
SUSFBN50B14D24	14	24	8×3.3	8	79	71.34	52	25	7	0.52
SUSFBN50B14D25	14	25	8×3.3	8	79	71.34	52	25	7	0.52
SUSFBN50B14D28	14	28	8×3.3	8	79	71.34	52	25	7	0.52
SUSFBN50B14D30	14	30	8×3.3	8	79	71.34	52	25	7	0.52
SUSFBN50B15D20	15	20	6×2.8	6	84	76.35	57	25	7	0.62
SUSFBN50B15D22	15	22	6×2.8	6	84	76.35	57	25	7	0.62
SUSFBN50B15D24	15	24	8×3.3	8	84	76.35	57	25	7	0.62
SUSFBN50B15D25	15	25	8×3.3	8	84	76.35	57	25	7	0.62
SUSFBN50B15D28	15	28	8×3.3	8	84	76.35	57	25	7	0.62
SUSFBN50B15D30	15	30	8×3.3	8	84	76.35	57	25	7	0.62
SUSFBN50B15D32	15	32	10×3.3	8	84	76.35	57	25	7	0.62

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE SUSFBN50B

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN50B16D20	16	20	6×2.8	6	89	81.37	62	25	7	0.72
SUSFBN50B16D22	16	22	6×2.8	6	89	81.37	62	25	7	0.72
SUSFBN50B16D24	16	24	8×3.3	8	89	81.37	62	25	7	0.72
SUSFBN50B16D25	16	25	8×3.3	8	89	81.37	62	25	7	0.72
SUSFBN50B16D28	16	28	8×3.3	8	89	81.37	62	25	7	0.72
SUSFBN50B16D30	16	30	8×3.3	8	89	81.37	62	25	7	0.72
SUSFBN50B16D32	16	32	10×3.3	8	89	81.37	62	25	7	0.72
SUSFBN50B16D38	16	38	10×3.3	8	89	81.37	62	25	7	0.72
SUSFBN50B17D20	17	20	6×2.8	6	94	86.39	67	25	7	0.83
SUSFBN50B17D22	17	22	6×2.8	6	94	86.39	67	25	7	0.83
SUSFBN50B17D24	17	24	8×3.3	8	94	86.39	67	25	7	0.83
SUSFBN50B17D25	17	25	8×3.3	8	94	86.39	67	25	7	0.83
SUSFBN50B17D28	17	28	8×3.3	8	94	86.39	67	25	7	0.83
SUSFBN50B17D30	17	30	8×3.3	8	94	86.39	67	25	7	0.83
SUSFBN50B17D32	17	32	10×3.3	8	94	86.39	67	25	7	0.83
SUSFBN50B17D35	17	35	10×3.3	8	94	86.39	67	25	7	0.83
SUSFBN50B17D38	17	38	10×3.3	8	94	86.39	67	25	7	0.83
SUSFBN50B18D20	18	20	6×2.8	6	100	91.42	72	28	8	1.00
SUSFBN50B18D22	18	22	6×2.8	6	100	91.42	72	28	8	1.00
SUSFBN50B18D24	18	24	8×3.3	8	100	91.42	72	28	8	1.00
SUSFBN50B18D25	18	25	8×3.3	8	100	91.42	72	28	8	1.00
SUSFBN50B18D28	18	28	8×3.3	8	100	91.42	72	28	8	1.00
SUSFBN50B18D30	18	30	8×3.3	8	100	91.42	72	28	8	1.00
SUSFBN50B18D32	18	32	10×3.3	8	100	91.42	72	28	8	1.00
SUSFBN50B18D35	18	35	10×3.3	8	100	91.42	72	28	8	1.00
SUSFBN50B18D38	18	38	10×3.3	8	100	91.42	72	28	8	1.00
SUSFBN50B18D40	18	40	12×3.3	8	100	91.42	72	28	8	1.00

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

! Caution ∗Products with long screw holes also include products subject to counter boring

SUSFBN50B

SUS FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

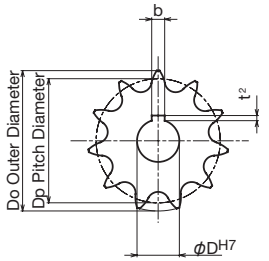
SUSFBN50B 18 D22

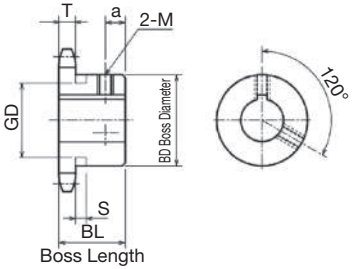
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain No.50
- Chain Pitch ..... (P) 15.875 mm
- Roller Link Inner Width ... (W) 9.53 mm
- Roller Outside Diameter ... (Dr) 10.16 mm
- Tooth Width ..... (T) 8.7 mm

Use together
with the KANA machine key.
Refer to P.334 to P.335





TYPE SUSFBN50B

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN50B19D20	19	20	6×2.8	6	105	96.45	73	28	8	1.10
SUSFBN50B19D22	19	22	6×2.8	6	105	96.45	73	28	8	1.10
SUSFBN50B19D24	19	24	8×3.3	8	105	96.45	73	28	8	1.10
SUSFBN50B19D25	19	25	8×3.3	8	105	96.45	73	28	8	1.10
SUSFBN50B19D28	19	28	8×3.3	8	105	96.45	73	28	8	1.10
SUSFBN50B19D30	19	30	8×3.3	8	105	96.45	73	28	8	1.10
SUSFBN50B19D32	19	32	10×3.3	8	105	96.45	73	28	8	1.10
SUSFBN50B19D35	19	35	10×3.3	8	105	96.45	73	28	8	1.10
SUSFBN50B19D38	19	38	10×3.3	8	105	96.45	73	28	8	1.10
SUSFBN50B19D40	19	40	12×3.3	8	105	96.45	73	28	8	1.10
SUSFBN50B20D20	20	20	6×2.8	6	110	101.48	73	28	8	1.20
SUSFBN50B20D22	20	22	6×2.8	6	110	101.48	73	28	8	1.20
SUSFBN50B20D24	20	24	8×3.3	8	110	101.48	73	28	8	1.20
SUSFBN50B20D25	20	25	8×3.3	8	110	101.48	73	28	8	1.20
SUSFBN50B20D28	20	28	8×3.3	8	110	101.48	73	28	8	1.20
SUSFBN50B20D30	20	30	8×3.3	8	110	101.48	73	28	8	1.20
SUSFBN50B20D32	20	32	10×3.3	8	110	101.48	73	28	8	1.20
SUSFBN50B20D35	20	35	10×3.3	8	110	101.48	73	28	8	1.20
SUSFBN50B20D38	20	38	10×3.3	8	110	101.48	73	28	8	1.20
SUSFBN50B20D40	20	40	12×3.3	8	110	101.48	73	28	8	1.20
SUSFBN50B21D20	21	20	6×2.8	6	115	106.51	73	28	8	1.20
SUSFBN50B21D25	21	25	8×3.3	8	115	106.51	73	28	8	1.20
SUSFBN50B21D30	21	30	8×3.3	8	115	106.51	73	28	8	1.20
SUSFBN50B21D35	21	35	10×3.3	8	115	106.51	73	28	8	1.20
SUSFBN50B21D40	21	40	12×3.3	8	115	106.51	73	28	8	1.20
SUSFBN50B22D20	22	20	6×2.8	6	120	111.55	73	28	8	1.30
SUSFBN50B22D25	22	25	8×3.3	8	120	111.55	73	28	8	1.30
SUSFBN50B22D30	22	30	8×3.3	8	120	111.55	73	28	8	1.30
SUSFBN50B22D35	22	35	10×3.3	8	120	111.55	73	28	8	1.30
SUSFBN50B22D40	22	40	12×3.3	8	120	111.55	73	28	8	1.30

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE SUSFBN50B

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN50B23D20	23	20	6×2.8	6	125	116.58	73	28	8	1.30
SUSFBN50B23D25	23	25	8×3.3	8	125	116.58	73	28	8	1.30
SUSFBN50B23D30	23	30	8×3.3	8	125	116.58	73	28	8	1.30
SUSFBN50B23D35	23	35	10×3.3	8	125	116.58	73	28	8	1.30
SUSFBN50B24D20	24	20	6×2.8	6	130	121.62	73	28	8	1.40
SUSFBN50B24D25	24	25	8×3.3	8	130	121.62	73	28	8	1.40
SUSFBN50B24D30	24	30	8×3.3	8	130	121.62	73	28	8	1.40
SUSFBN50B24D35	24	35	10×3.3	8	130	121.62	73	28	8	1.40
SUSFBN50B25D20	25	20	6×2.8	6	135	126.66	73	28	8	1.50
SUSFBN50B25D25	25	25	8×3.3	8	135	126.66	73	28	8	1.50
SUSFBN50B25D30	25	30	8×3.3	8	135	126.66	73	28	8	1.50
SUSFBN50B25D35	25	35	10×3.3	8	135	126.66	73	28	8	1.50
SUSFBN50B25D40	25	40	12×3.3	8	135	126.66	73	28	8	1.50
SUSFBN50B26D20	26	20	6×2.8	6	140	131.70	73	28	8	1.50
SUSFBN50B26D25	26	25	8×3.3	8	140	131.70	73	28	8	1.50
SUSFBN50B26D30	26	30	8×3.3	8	140	131.70	73	28	8	1.50
SUSFBN50B26D35	26	35	10×3.3	8	140	131.70	73	28	8	1.50
SUSFBN50B28D20	28	20	6×2.8	6	150	141.79	73	28	8	1.60
SUSFBN50B28D25	28	25	8×3.3	8	150	141.79	73	28	8	1.60
SUSFBN50B28D30	28	30	8×3.3	8	150	141.79	73	28	8	1.60
SUSFBN50B28D35	28	35	10×3.3	8	150	141.79	73	28	8	1.60
SUSFBN50B28D40	28	40	12×3.3	8	150	141.79	73	28	8	1.60
SUSFBN50B30D20	30	20	6×2.8	6	161	151.87	73	28	8	1.80
SUSFBN50B30D25	30	25	8×3.3	8	161	151.87	73	28	8	1.80
SUSFBN50B30D30	30	30	8×3.3	8	161	151.87	73	28	8	1.80
SUSFBN50B30D35	30	35	10×3.3	8	161	151.87	73	28	8	1.80
SUSFBN50B30D40	30	40	12×3.3	8	161	151.87	73	28	8	1.80
SUSFBN50B32D25	32	25	8×3.3	8	171	161.96	73	28	8	1.90
SUSFBN50B32D30	32	30	8×3.3	8	171	161.96	73	28	8	1.90
SUSFBN50B32D35	32	35	10×3.3	8	171	161.96	73	28	8	1.90
SUSFBN50B35D25	35	25	8×3.3	8	186	177.10	73	28	8	2.20
SUSFBN50B35D30	35	30	8×3.3	8	186	177.10	73	28	8	2.20
SUSFBN50B35D35	35	35	10×3.3	8	186	177.10	73	28	8	2.20

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Caution ∗Products with long screw holes also include products subject to counter boring

FBN50SD

Order Product Code

FBN50SD18D25

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.50**
- Chain Pitch ..... **(P) 15.875 mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**
  (C) 31.3 mm

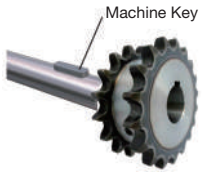
TYPE FBN50SD

m Carbon Structural Steel
h High-frequency Hardened Teeth

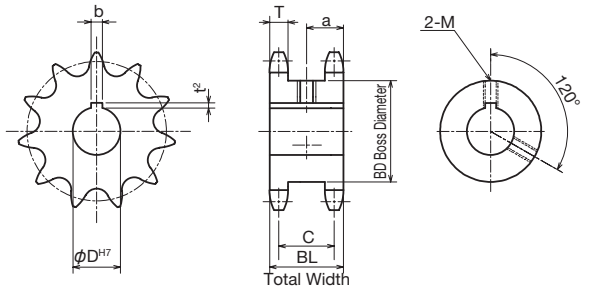
Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50SD12D18	12	18	6×2.8	6	69.0	61.336	43	40	20	0.63
FBN50SD12D20	12	20	6×2.8	6	69.0	61.336	43	40	20	0.63
FBN50SD12D25	12	25	8×3.3	8	69.0	61.336	43	40	20	0.63
FBN50SD13D20	13	20	6×2.8	6	74.0	66.335	48	40	20	0.75
FBN50SD13D25	13	25	8×3.3	8	74.0	66.335	48	40	20	0.75
FBN50SD13D28	13	28	8×3.3	8	74.0	66.335	48	40	20	0.75
FBN50SD13D30	13	30	8×3.3	8	74.0	66.335	48	40	20	0.75
FBN50SD14D20	14	20	6×2.8	6	79.0	71.342	53	40	20	0.90
FBN50SD14D25	14	25	8×3.3	8	79.0	71.342	53	40	20	0.90
FBN50SD14D28	14	28	8×3.3	8	79.0	71.342	53	40	20	0.90
FBN50SD14D30	14	30	8×3.3	8	79.0	71.342	53	40	20	0.90
FBN50SD15D20	15	20	6×2.8	6	84.0	76.355	58	40	20	1.04
FBN50SD15D25	15	25	8×3.3	8	84.0	76.355	58	40	20	1.04
FBN50SD15D28	15	28	8×3.3	8	84.0	76.355	58	40	20	1.04
FBN50SD15D30	15	30	8×3.3	8	84.0	76.355	58	40	20	1.04
FBN50SD15D35	15	35	10×3.3	8	84.0	76.355	58	40	20	1.04
FBN50SD16D25	16	25	8×3.3	8	89.0	81.373	63	40	20	1.22
FBN50SD16D28	16	28	8×3.3	8	89.0	81.373	63	40	20	1.22
FBN50SD16D30	16	30	8×3.3	8	89.0	81.373	63	40	20	1.22
FBN50SD16D35	16	35	10×3.3	8	89.0	81.373	63	40	20	1.22
FBN50SD16D38	16	38	10×3.3	8	89.0	81.373	63	40	20	1.22
FBN50SD16D40	16	40	12×3.3	8	89.0	81.373	63	40	20	1.22

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN SD Finished Bore Sprocket Single-Double New JIS Keyway Specification



Use together
with the KANA machine key.
Refer to P.334 to P.335



TYPE FBN50SD

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN50SD17D25	17	25	8×3.3	8	94.0	86.395	68	40	20	1.41
FBN50SD17D28	17	28	8×3.3	8	94.0	86.395	68	40	20	1.41
FBN50SD17D30	17	30	8×3.3	8	94.0	86.395	68	40	20	1.41
FBN50SD17D35	17	35	10×3.3	8	94.0	86.395	68	40	20	1.41
FBN50SD17D40	17	40	12×3.3	8	94.0	86.395	68	40	20	1.41
FBN50SD18D25	18	25	8×3.3	8	100.0	91.420	73	40	20	1.61
FBN50SD18D28	18	28	8×3.3	8	100.0	91.420	73	40	20	1.61
FBN50SD18D30	18	30	8×3.3	8	100.0	91.420	73	40	20	1.61
FBN50SD18D35	18	35	10×3.3	8	100.0	91.420	73	40	20	1.61
FBN50SD18D40	18	40	12×3.3	8	100.0	91.420	73	40	20	1.61
FBN50SD19D25	19	25	8×3.3	8	105.0	96.449	79	40	20	1.80
FBN50SD19D28	19	28	8×3.3	8	105.0	96.449	79	40	20	1.80
FBN50SD19D30	19	30	8×3.3	8	105.0	96.449	79	40	20	1.80
FBN50SD19D35	19	35	10×3.3	8	105.0	96.449	79	40	20	1.80
FBN50SD19D40	19	40	12×3.3	8	105.0	96.449	79	40	20	1.80
FBN50SD20D25	20	25	8×3.3	8	110.0	101.480	84	40	20	1.95
FBN50SD20D28	20	28	8×3.3	8	110.0	101.480	84	40	20	1.95
FBN50SD20D30	20	30	8×3.3	8	110.0	101.480	84	40	20	1.95
FBN50SD20D35	20	35	10×3.3	8	110.0	101.480	84	40	20	1.95
FBN50SD20D40	20	40	12×3.3	8	110.0	101.480	84	40	20	1.95
FBN50SD21D28	21	28	8×3.3	8	115.0	106.513	89	40	20	2.27
FBN50SD21D30	21	30	8×3.3	8	115.0	106.513	89	40	20	2.27
FBN50SD21D35	21	35	10×3.3	8	115.0	106.513	89	40	20	2.27
FBN50SD21D40	21	40	12×3.3	8	115.0	106.513	89	40	20	2.27

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

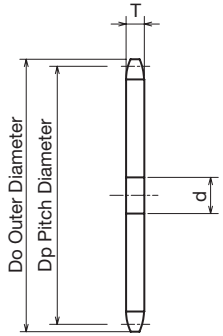
50A

Order Product Code

50A 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.50**
- Chain Pitch ..... **(P) 15.875 mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
50A	10	58	51.373	10	11	0.14
	11	64	56.348	12	13	0.17
	12	69	61.336	12	13	0.20
	13	74	66.335	12	13	0.23
	14	79	71.342	12	13	0.27
	15	84	76.355	12	13	0.30
	16	89	81.373	14	15	0.35
	17	94	86.395	14	15	0.40
	18	100	91.420	14	15	0.45
	19	105	96.449	14	15	0.48
	20	110	101.480	14	15	0.50
	21	115	106.513	14	15	0.60
	22	120	111.548	16	17	0.66
	23	125	116.585	16	17	0.72
	24	130	121.623	16	17	0.78
	25	135	126.662	16	17	0.85
	26	140	131.703	16	17	0.90
	27	145	136.744	16	17	1.00
	28	150	141.786	16	17	1.05
	29	155	146.829	16	17	1.12
	30	161	151.873	16	17	1.20
	31	166	156.917	16	17	1.30
	32	171	161.961	16	17	1.35
	33	176	167.007	16	17	1.45
	34	181	172.052	16	17	1.55
	35	186	177.099	16	17	1.65
	36	191	182.145	19	20	1.75
	37	196	187.192	19	20	1.85
	38	201	192.239	19	20	1.95
	39	206	197.287	19	20	2.05

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
50A	40	211	202.335	19	20	2.15
	41	216	207.383	19	20	2.25
	42	221	212.431	19	20	2.40
	43	226	217.480	19	20	2.50
	44	231	222.528	19	20	2.60
	45	237	227.577	19	20	2.70
	46	242	232.627	19	20	2.88
	47	247	237.676	19	20	3.01
	48	252	242.725	19	20	3.10
	49	257	247.775	19	20	3.27
	50	262	252.825	19	20	3.40
	51	267	257.875	19	20	3.55
	52	272	262.925	19	20	3.69
	53	277	267.975	19	20	3.83
	54	282	273.025	19	20	3.95
	55	287	278.076	19	20	4.13
	56	292	283.126	19	20	4.28
	57	297	288.177	19	20	4.44
	58	302	293.227	19	20	4.59
	59	307	298.278	19	20	4.75
	60	312	303.329	19	20	4.90
	64	333	323.533	20	21	5.60
	65	338	328.584	20	21	5.75
	68	353	343.738	20	21	6.32
	70	363	353.841	20	21	6.70
	72	373	363.944	20	21	7.05
	75	388	379.099	20	21	7.70
	80	414	404.357	20	21	8.70
	90	464	454.878	20	21	11.00

HG50A

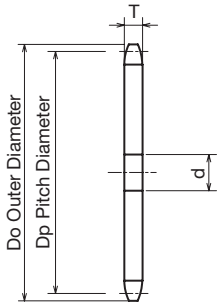
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG50A 20H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.50**
- Chain Pitch .....**(P) 15.875mm**
- Roller Link Inner Width ...**(W) 9.53 mm**
- Roller Outside Diameter ...**(Dr) 10.16 mm**
- Tooth Width .....**(T) 8.7 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG50A	10H	58	51.373	10	11	0.14
	11H	64	56.348	12	13	0.17
	12H	69	61.336	12	13	0.20
	13H	74	66.335	12	13	0.23
	14H	79	71.342	12	13	0.27
	15H	84	76.355	12	13	0.30
	16H	89	81.373	14	15	0.35
	17H	94	86.395	14	15	0.40
	18H	100	91.420	14	15	0.45
	19H	105	96.449	14	15	0.48
	20H	110	101.480	14	15	0.50
	21H	115	106.513	14	15	0.60
	22H	120	111.548	16	17	0.66
	23H	125	116.585	16	17	0.72
	24H	130	121.623	16	17	0.78
	25H	135	126.662	16	17	0.85
	26H	140	131.703	16	17	0.90
	27H	145	136.744	16	17	1.00
	28H	150	141.786	16	17	1.05
	29H	155	146.829	16	17	1.12

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG50A	30H	161	151.873	16	17	1.20
	32H	171	161.961	16	17	1.35
	34H	181	172.052	16	17	1.55
	35H	186	177.099	16	17	1.65
	36H	191	182.145	19	20	1.75
	38H	201	192.239	19	20	1.95
	40H	211	202.335	19	20	2.15
	42H	221	212.431	19	20	2.40
	44H	231	222.528	19	20	2.60
	45H	237	227.577	19	20	2.70
	46H	242	232.627	19	20	2.88
	48H	252	242.725	19	20	3.10
	50H	262	252.825	19	20	3.40
	52H	272	262.925	19	20	3.69
	54H	282	273.025	19	20	3.95
	55H	287	278.076	19	20	4.13
	60H	312	303.329	19	20	4.90
	65H	338	328.584	20	21	5.75
	70H	363	353.841	20	21	6.70
	75H	388	379.099	20	21	7.70

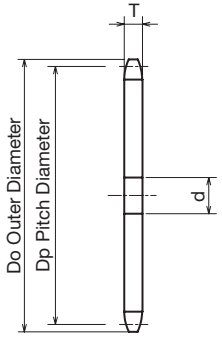
SUS50A

Order Product Code

SUS50A 20

TYPE — No. of Teeth

Sprocket No.



- Chain **No.50**
- Chain Pitch .....**(P) 15.875mm**
- Roller Link Inner Width ...**(W) 9.53 mm**
- Roller Outside Diameter ...**(Dr) 10.16 mm**
- Tooth Width .....**(T) 8.7 mm**

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
SUS50A	10	58	51.373	10	11	0.14
	11	64	56.348	12	13	0.17
	12	69	61.336	12	13	0.20
	13	74	66.335	12	13	0.23
	14	79	71.342	12	13	0.27
	15	84	76.355	12	13	0.30
	16	89	81.373	14	15	0.35
	17	94	86.395	14	15	0.40
	18	100	91.420	14	15	0.45
	19	105	96.449	14	15	0.48
	20	110	101.480	14	15	0.50
	21	115	106.513	14	15	0.60
	22	120	111.548	16	17	0.66
	23	125	116.585	16	17	0.72
	24	130	121.623	16	17	0.78

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
SUS50A	25	135	126.662	16	17	0.85
	26	140	131.703	16	17	0.90
	27	145	136.744	16	17	1.00
	28	150	141.786	16	17	1.05
	29	155	146.829	16	17	1.12
	30	161	151.873	16	17	1.20
	31	166	156.917	16	17	1.30
	32	171	161.961	16	17	1.35
	33	176	167.007	16	17	1.45
	34	181	172.052	16	17	1.55
	35	186	177.099	16	17	1.65
	36	191	182.145	19	20	1.75
	37	196	187.192	19	20	1.85
	38	201	192.239	19	20	1.95
	39	206	197.287	19	20	2.05
	40	211	202.335	19	20	2.15

NK50B

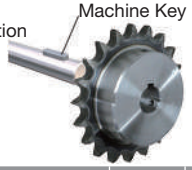
Order Product Code

NK50B 20

TYPE No. of Teeth

Sprocket No.

Ground Specification



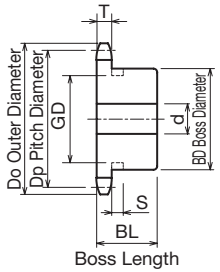
Machine Key

Welded Specification

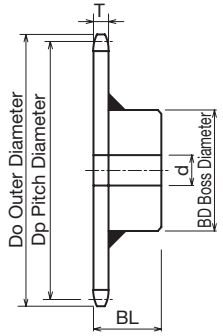
(Black stain also mixed in)

Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.50**
- Chain Pitch ..... **(P) 15.875mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**



Ground Specification



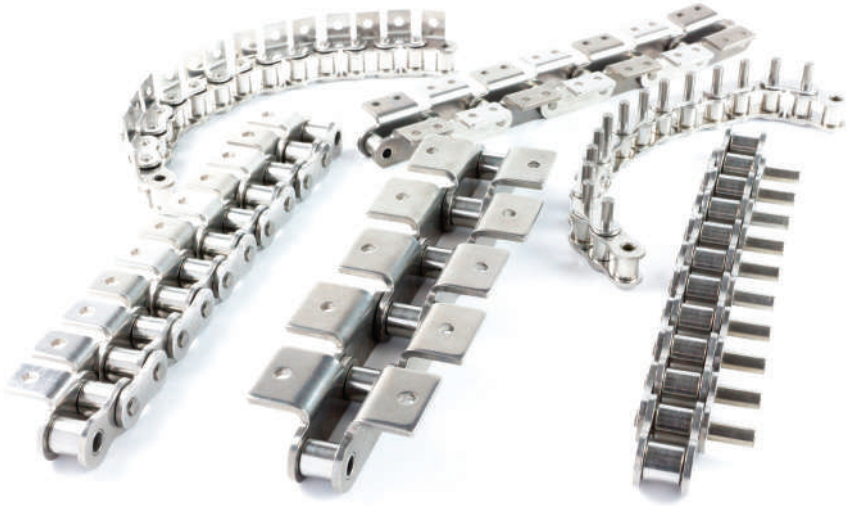
Welded Specification

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK50B	8	48	41.483	10	11	13.5	★30	25	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.12
	9	53	46.415	10	11	18	★34	25			0.20
	10	58	51.373	10	11	22	★40	25			0.27
	11	64	56.348	12	13	28	★45.5	25			0.33
	12	69	61.336	12	13	30	★50	25			0.41
	13	74	66.335	12	13	32	★51	25			0.46
	14	79	71.342	12	13	32	52	25			0.52
	15	84	76.355	12	13	35	57	25			0.62
	16	89	81.373	14	15	40	62	25			0.72
	17	94	86.395	14	15	45	67	25			0.83
	18	100	91.420	14	15	48	72	28			1.00
	19	105	96.449	14	15	48	73	28			1.10
	20	110	101.480	14	15	48	73	28			1.20
	21	115	106.513	14	15	48	73	28			1.20
	22	120	111.548	16	17	48	73	28			1.30
	23	125	116.585	16	17	48	73	28			1.30
	24	130	121.623	16	17	48	73	28			1.40
	25	135	126.662	16	17	48	73	28			1.50
	26	140	131.703	16	17	48	73	28			1.50
	27	145	136.744	16	17	48	73	28			1.50
	28	150	141.786	16	17	48	73	28			1.60
	29	155	146.829	16	17	48	73	28			1.70
	30	161	151.873	16	17	48	73	28			1.80
	31	166	156.917	16	17	48	73	28			1.85
	32	171	161.961	16	17	48	73	28			1.90
	33	176	167.007	16	17	48	73	28			2.00
	34	181	172.052	16	17	48	73	28			2.10
	35	186	177.099	16	17	48	73	28			2.20
	36	191	182.145	19	20	55	83	35			2.85
	37	196	187.192	19	20	55	83	35			2.95
	38	201	192.239	19	20	55	83	35			3.05
	39	206	197.287	19	20	55	83	35			3.15
	40	211	202.335	19	20	55	83	35			3.25
NK50B	41	216	207.383	19	20	55	83	35	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	3.40
	42	221	212.431	19	20	55	83	35			3.50
	43	226	217.480	19	20	55	83	35			3.60
	44	231	222.528	19	20	55	83	35			3.70
	45	237	227.577	19	20	55	83	35			3.85
	46	242	232.627	19	20	55	83	35			3.96
	47	247	237.676	19	20	55	83	35			4.09
	48	252	242.725	19	20	55	83	35			4.20
	49	257	247.775	19	20	55	83	35			4.35
	50	262	252.825	19	20	55	83	35			4.50
	51	267	257.875	19	20	55	83	35			4.62
	52	272	262.925	19	20	55	83	35			4.76
	53	277	267.975	19	20	55	83	35			4.91
	54	282	273.025	19	20	55	83	35			5.05
	55	287	278.076	19	20	55	83	35			5.20
	56	292	283.126	19	20	55	83	35			5.36
	57	297	288.177	19	20	55	83	35			5.51
	58	302	293.227	19	20	55	83	35			5.67
	60	312	303.329	19	20	55	83	35			6.00
	65	338	328.584	20	21	63	93	40			7.40
	68	353	343.738	20	21	63	93	40	Welded Specification	m Common Steel	7.94
	70	363	353.841	20	21	63	93	40			8.30
	75	388	379.099	20	21	63	93	40			9.35
	80	414	404.357	20	21	66	98	45			10.50
	85	439	429.617	20	21	66	98	45			12.00
	90	464	454.878	20	21	66	98	45			13.20

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
8	6.4	22
9		29
10	6.4	34
11		39
12	6.4	44
13		49

MEMO



K50B

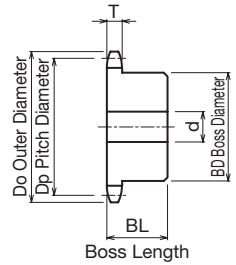
K Sprocket Former B-type

Order Product Code

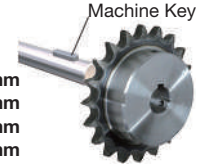
K50B 15

TYPE No. of Teeth

Sprocket No.



Machine Key



- Chain **No.50**
- Chain Pitch .....**(P) 15.875 mm**
- Roller Link Inner Width ...**(W) 9.53 mm**
- Roller Outside Diameter ...**(Dr) 10.16 mm**
- Tooth Width .....**(T) 8.7 mm**

Use together with the KANA machine key. Refer to P.334 to P.335

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
K50B	10	58	51.373	10	11	20	35	25	Ground Specification	0.25
	11	64	56.348	12	13	20	37	25		0.30
	12	69	61.336	12	13	25	43	25		0.40
	13	74	66.335	12	13	28	48	30		0.50
	14	79	71.342	12	13	32	53	30		0.60
	15	84	76.355	12	13	35	58	30		0.70
	16	89	81.373	14	15	42	63	30		0.80
	17	94	86.395	14	15	45	65	40		0.95
	18	100	91.420	14	15	45	65	40		1.20
	19	105	96.449	14	15	45	65	40		1.30
	20	110	101.480	14	15	46	70	45		1.60
	21	115	106.513	14	15	46	70	45		1.75
	22	120	111.548	16	17	46	70	45		1.80
	23	125	116.585	16	17	46	70	45		1.85
	24	130	121.623	16	17	46	70	45		1.90
	25	135	126.662	16	17	46	70	45		2.00
	26	140	131.703	16	17	46	70	45		2.10
	27	145	136.744	16	17	46	70	45		2.20
	28	150	141.786	16	17	46	70	45		2.35
	29	155	146.829	16	17	46	70	45		2.50
	30	161	151.873	16	17	46	70	45		2.60
	31	166	156.917	16	17	46	70	45		2.70
	32	171	161.961	16	17	46	70	45		2.90
	33	176	167.007	16	17	46	70	45		2.95
	34	181	172.052	16	17	46	70	45		3.00
	35	186	177.099	16	17	46	70	45		3.10

SUS50B

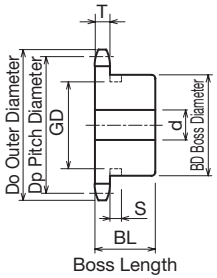
SUS Stainless Steel Sprocket B-type

Order Product Code

SUS50B 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.50**
- Chain Pitch ..... **(P) 15.875mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**

Use together with the KANA machine key. Refer to P.334 to P.335

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS50B	10	58	51.373	10	11	22	★40	25	Ground Specification	0.27
	11	64	56.348	12	13	28	★45.5	25		0.33
	12	69	61.336	12	13	30	★50	25		0.41
	13	74	66.335	12	13	32	★51	25		0.46
	14	79	71.342	12	13	32	52	25		0.52
	15	84	76.355	12	13	35	57	25		0.62
	16	89	81.373	14	15	40	62	25		0.72
	17	94	86.395	14	15	45	67	25		0.83
	18	100	91.420	14	15	48	72	28		1.00
	19	105	96.449	14	15	48	73	28		1.10
	20	110	101.480	14	15	48	73	28		1.20
	21	115	106.513	14	15	48	73	28		1.20
	22	120	111.548	16	17	48	73	28		1.30
	23	125	116.585	16	17	48	73	28		1.30
	24	130	121.623	16	17	48	73	28		1.40
	25	135	126.662	16	17	48	73	28		1.50
	26	140	131.703	16	17	48	73	28		1.50
	27	145	136.744	16	17	48	73	28		1.50
	28	150	141.786	16	17	48	73	28		1.60
	30	161	151.873	16	17	48	73	28		1.80
	32	171	161.961	16	17	48	73	28		1.90
	34	181	172.052	16	17	48	73	28		2.10
	35	186	177.099	16	17	48	73	28		2.20
	36	191	182.145	19	20	55	83	35	Welded Specification	2.85
	38	201	192.239	19	20	55	83	35		3.05
	40	211	202.335	19	20	55	83	35		3.25

Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
10	6.4	34
11		39
12	6.4	44
13		49

Caution

*Because teeth number 36 to 40 are being shifted from welding specification to grinding specification, the inventory is currently mixed.

50SD

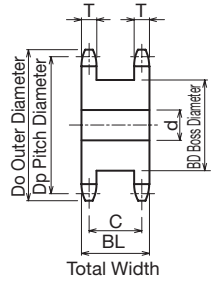
SD Single-Double Sprocket

Order Product Code

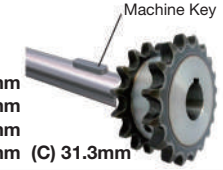
50SD 15

TYPE No. of Teeth

Sprocket No.



- Chain **No.50**
- Chain Pitch ..... **(P) 15.875mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm (C) 31.3mm**



Use together with the KANA machine key. Refer to P.334 to P.335

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
				Prepared Hole	Minimum	Maximum			
50SD	10	58	51.373	13	14	18	32	40	0.40
	11	64	56.348	13	14	20	37	40	0.52
	12	69	61.336	13	14	25	43	40	0.63
	13	74	66.335	13	14	28	48	40	0.75
	14	79	71.342	13	14	32	53	40	0.90
	15	84	76.355	13	14	35	58	40	1.04
	16	89	81.373	13	14	42	63	40	1.22
	17	94	86.395	13	14	45	68	40	1.41
	18	100	91.420	13	14	48	73	40	1.61
	19	105	96.449	16	17	52	79	40	1.80
	20	110	101.480	16	17	57	84	40	1.95
	21	115	106.513	16	17	60	89	40	2.27
	22	120	111.548	16	17	62	92	40	2.46
	23	125	116.585	16	17	68	99	40	2.77
	24	130	121.623	16	17	70	102	40	2.98
	25	135	126.662	16	17	75	109	40	3.32
	26	140	131.703	18	19	78	115	40	3.66
	27	145	136.744	18	19	82	120	40	3.97
	28	150	141.786	18	19	85	125	40	4.29
	29	155	146.829	18	19	90	130	40	4.62
	30	161	151.873	18	19	96	136	40	5.00

NK50-2B

Order Product Code

NK50-2B 15

TYPE — No. of Teeth

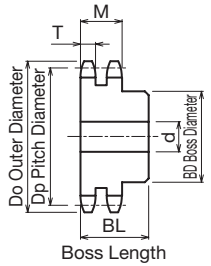
Sprocket No.

Ground Specification

Welded Specification
(Black stain also mixed in)

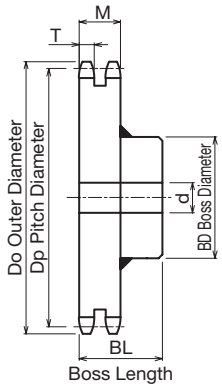
- Chain **No.50-2**
- Chain Pitch ..... **(P) 15.875mm**
- Roller Link Inner Width ... **(W) 9.53 mm**
- Roller Outside Diameter ... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.4 mm**
- Complete Tooth Width ... **(M) 26.5 mm**

Use together with the KANA machine key. Refer to P.334 to P.335



Boss Length

Ground Specification



Boss Length

Welded Specification

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK50-2B	10	58	51.373	13	14	20	35	40	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.50
	11	64	56.348	13	14	22	40	40			0.50
	12	69	61.336	13	14	25	42	40			0.62
	13	74	66.335	13	14	30	49	40			0.75
	14	79	71.342	13	14	32	54	40			0.90
	15	84	76.355	13	14	38	59	40			1.10
	16	89	81.373	13	14	42	64	45			1.40
	17	94	86.395	13	14	45	68	45			1.60
	18	100	91.420	13	14	48	74	45			1.80
	19	105	96.449	16	17	55	79	45			2.10
	20	110	101.480	16	17	57	84	45			2.30
	21	115	106.513	16	17	60	89	45			2.60
	22	120	111.548	16	17	63	94	50			3.00
	23	125	116.585	16	17	66	99	50			3.50
	24	130	121.623	16	17	70	105	50			3.80
	25	135	126.662	16	17	70	105	50			4.20
	26	140	131.703	18	19	70	105	50			4.50
	27	145	136.744	18	19	70	105	50			4.80
	28	150	141.786	18	19	75	110	50			5.10
	29	155	146.829	18	19	75	110	50			5.50

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK50-2B	30	161	151.873	18	19	80	120	50	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	5.80
	31	166	156.917	18	19	80	120	50			5.90
	32	171	161.961	18	19	80	120	50			6.00
	33	176	167.007	18	19	80	120	50			6.50
	34	181	172.052	18	19	80	120	50			6.80
	35	186	177.099	18	19	80	117	50			7.00
	36	191	182.145	18	19	80	117	50			7.00
	38	201	192.239	18	19	80	117	50			8.00
	40	211	202.335	23	24	80	117	56			9.00
	42	221	212.431	23	24	66	98	56			8.88
	45	237	227.577	23	24	66	98	56			9.96
	48	252	242.725	23	24	66	98	56			8.00
	50	262	252.825	23	24	66	98	56			9.00
	54	282	273.025	23	24	66	98	63	Welded Specification	m Common Steel	9.90
	60	312	303.329	23	24	66	98	63			11.70
	65	338	328.584	23	24	66	98	63			13.00
	70	363	353.841	23	24	66	98	63			15.00

FBN60B

FBN Finished Bore Sprocket
New JIS Keyway Specification

Order Product Code

FBN60B20D20

TYPE — No. of Teeth — ϕ D^{H7}

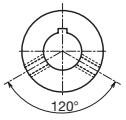
Sprocket No.

- Chain **No.60**
- Chain Pitch .....**(P) 19.05 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.7 mm**

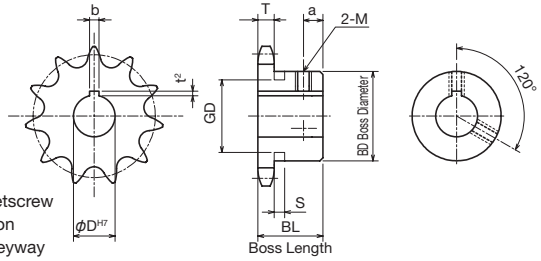
! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9		32
10	8.0	37
11		45

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕ D^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN60B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕ D^{H7}	Keyway b×t^2	M	Do	Dp	BD	BL	a	Weight kg
FBN60B9D19	9	19	6×2.8	6	63.0	55.698	★43	32	6	0.40
FBN60B9D20	9	20	6×2.8	6	63.0	55.698	★43	32	6	0.40
FBN60B9D22	9	22	6×2.8	6	63.0	55.698	★43	32	6	0.40
FBN60B9D24	9	24	8×3.3	8	63.0	55.698	★43	32	6	0.40
FBN60B10D19	10	19	6×2.8	6	68.0	61.647	★49	32	6	0.49
FBN60B10D20	10	20	6×2.8	6	68.0	61.647	★49	32	6	0.49
FBN60B10D22	10	22	6×2.8	6	68.0	61.647	★49	32	6	0.49
FBN60B10D24	10	24	8×3.3	8	68.0	61.647	★49	32	6	0.49
FBN60B10D25	10	25	8×3.3	8	68.0	61.647	★49	32	6	0.49
FBN60B10D28	10	28	8×3.3	8	68.0	61.647	★49	32	6	0.49
FBN60B10D30	10	30	8×3.3	8	68.0	61.647	★49	32	6	0.49
FBN60B11D19	11	19	6×2.8	6	76.0	67.617	★51	32	6	0.60
FBN60B11D20	11	20	6×2.8	6	76.0	67.617	★51	32	6	0.60
FBN60B11D22	11	22	6×2.8	6	76.0	67.617	★51	32	6	0.60
FBN60B11D24	11	24	8×3.3	8	76.0	67.617	★51	32	6	0.60
FBN60B11D25	11	25	8×3.3	8	76.0	67.617	★51	32	6	0.60
FBN60B11D28	11	28	8×3.3	8	76.0	67.617	★51	32	6	0.60
FBN60B11D30	11	30	8×3.3	8	76.0	67.617	★51	32	6	0.60
FBN60B11D32	11	32	10×3.3	8	76.0	67.617	★51	32	6	0.60
FBN60B12D18	12	18	6×2.8	6	83.0	73.604	51	32	8	0.69
FBN60B12D19	12	19	6×2.8	6	83.0	73.604	51	32	8	0.69
FBN60B12D20	12	20	6×2.8	6	83.0	73.604	51	32	8	0.69
FBN60B12D22	12	22	6×2.8	6	83.0	73.604	51	32	8	0.69
FBN60B12D24	12	24	8×3.3	8	83.0	73.604	51	32	8	0.69
FBN60B12D25	12	25	8×3.3	8	83.0	73.604	51	32	8	0.69
FBN60B12D28	12	28	8×3.3	8	83.0	73.604	51	32	8	0.69
FBN60B12D30	12	30	8×3.3	8	83.0	73.604	51	32	8	0.69
FBN60B12D32	12	32	10×3.3	8	83.0	73.604	51	32	8	0.69
FBN60B12D35	12	35	10×3.3	∗6	83.0	73.604	51	32	8	0.69
FBN60B13D19	13	19	6×2.8	6	89.0	79.602	57	32	8	0.81
FBN60B13D20	13	20	6×2.8	6	89.0	79.602	57	32	8	0.81
FBN60B13D22	13	22	6×2.8	6	89.0	79.602	57	32	8	0.81
FBN60B13D24	13	24	8×3.3	8	89.0	79.602	57	32	8	0.81
FBN60B13D25	13	25	8×3.3	8	89.0	79.602	57	32	8	0.81
FBN60B13D28	13	28	8×3.3	8	89.0	79.602	57	32	8	0.81
FBN60B13D30	13	30	8×3.3	8	89.0	79.602	57	32	8	0.81
FBN60B13D32	13	32	10×3.3	8	89.0	79.602	57	32	8	0.81
FBN60B13D35	13	35	10×3.3	8	89.0	79.602	57	32	8	0.81
FBN60B13D38	13	38	10×3.3	8	89.0	79.602	57	32	8	0.81

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN60B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕ D^{H7}	Keyway b×t^2	M	Do	Dp	BD	BL	a	Weight kg
FBN60B13D40	13	40	12×3.3	8	89.0	79.602	57	32	8	0.81
FBN60B14D17	14	17	5×2.3	6	95.0	85.610	62	32	8	0.96
FBN60B14D19	14	19	6×2.8	6	95.0	85.610	62	32	8	0.96
FBN60B14D20	14	20	6×2.8	6	95.0	85.610	62	32	8	0.96
FBN60B14D22	14	22	6×2.8	6	95.0	85.610	62	32	8	0.96
FBN60B14D24	14	24	8×3.3	8	95.0	85.610	62	32	8	0.96
FBN60B14D25	14	25	8×3.3	8	95.0	85.610	62	32	8	0.96
FBN60B14D28	14	28	8×3.3	8	95.0	85.610	62	32	8	0.96
FBN60B14D30	14	30	8×3.3	8	95.0	85.610	62	32	8	0.96
FBN60B14D32	14	32	10×3.3	8	95.0	85.610	62	32	8	0.96
FBN60B14D35	14	35	10×3.3	8	95.0	85.610	62	32	8	0.96
FBN60B14D38	14	38	10×3.3	8	95.0	85.610	62	32	8	0.96
FBN60B14D40	14	40	12×3.3	8	95.0	85.610	62	32	8	0.96
FBN60B15D18	15	18	6×2.8	6	101.0	91.625	68	32	8	1.10
FBN60B15D19	15	19	6×2.8	6	101.0	91.625	68	32	8	1.10
FBN60B15D20	15	20	6×2.8	6	101.0	91.625	68	32	8	1.10
FBN60B15D22	15	22	6×2.8	6	101.0	91.625	68	32	8	1.10
FBN60B15D24	15	24	8×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D25	15	25	8×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D28	15	28	8×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D30	15	30	8×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D32	15	32	10×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D35	15	35	10×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D38	15	38	10×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D40	15	40	12×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D42	15	42	12×3.3	8	101.0	91.625	68	32	8	1.10
FBN60B15D45	15	45	14×3.8	10	101.0	91.625	68	32	8	1.10
FBN60B16D19	16	19	6×2.8	6	107.0	97.647	73	32	8	1.30
FBN60B16D20	16	20	6×2.8	6	107.0	97.647	73	32	8	1.30
FBN60B16D22	16	22	6×2.8	6	107.0	97.647	73	32	8	1.30
FBN60B16D24	16	24	8×3.3	8	107.0	97.647	73	32	8	1.30
FBN60B16D25	16	25	8×3.3	8	107.0	97.647	73	32	8	1.30
FBN60B16D28	16	28	8×3.3	8	107.0	97.647	73	32	8	1.30
FBN60B16D30	16	30	8×3.3	8	107.0	97.647	73	32	8	1.30
FBN60B16D32	16	32	10×3.3	8	107.0	97.647	73	32	8	1.30
FBN60B16D35	16	35	10×3.3	8	107.0	97.647	73	32	8	1.30
FBN60B16D38	16	38	10×3.3	8	107.0	97.647	73	32	8	1.30
FBN60B16D40	16	40	12×3.3	8	107.0	97.647	73	32	8	1.30
FBN60B16D42	16	42	12×3.3	8	107.0	97.647	73	32	8	1.30

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN60B

Order Product Code

FBN60B20D20

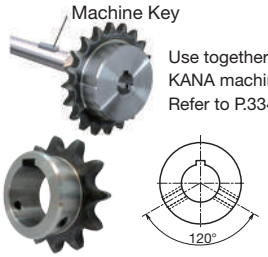
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.60**
- Chain Pitch .....**(P) 19.05 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.7 mm**

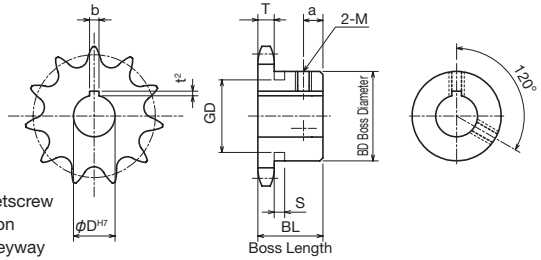
! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	8.0	32
10		37
11		45



Use together with the KANA machine key. Refer to P.334 to P.335

! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN60B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN60B16D45	16	45	14×3.8	10	107.0	97.647	73	32	8	1.30
FBN60B16D48	16	48	14×3.8	10	107.0	97.647	73	32	8	1.30
FBN60B16D50	16	50	14×3.8	10	107.0	97.647	73	32	8	1.30
FBN60B17D19	17	19	6×2.8	6	113.0	103.674	73	32	8	1.40
FBN60B17D20	17	20	6×2.8	6	113.0	103.674	73	32	8	1.40
FBN60B17D22	17	22	6×2.8	6	113.0	103.674	73	32	8	1.40
FBN60B17D24	17	24	8×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D25	17	25	8×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D28	17	28	8×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D30	17	30	8×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D32	17	32	10×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D35	17	35	10×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D38	17	38	10×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D40	17	40	12×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D42	17	42	12×3.3	8	113.0	103.674	73	32	8	1.40
FBN60B17D45	17	45	14×3.8	10	113.0	103.674	73	32	8	1.40
FBN60B17D48	17	48	14×3.8	10	113.0	103.674	73	32	8	1.40
FBN60B17D50	17	50	14×3.8	10	113.0	103.674	73	32	8	1.40
FBN60B18D19	18	19	6×2.8	6	119.0	109.705	83	40	12	2.00
FBN60B18D20	18	20	6×2.8	6	119.0	109.705	83	40	12	2.00
FBN60B18D22	18	22	6×2.8	6	119.0	109.705	83	40	12	2.00
FBN60B18D24	18	24	8×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D25	18	25	8×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D28	18	28	8×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D30	18	30	8×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D32	18	32	10×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D35	18	35	10×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D38	18	38	10×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D40	18	40	12×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D42	18	42	12×3.3	8	119.0	109.705	83	40	12	2.00
FBN60B18D45	18	45	14×3.8	10	119.0	109.705	83	40	12	2.00
FBN60B18D48	18	48	14×3.8	10	119.0	109.705	83	40	12	2.00
FBN60B18D50	18	50	14×3.8	10	119.0	109.705	83	40	12	2.00
FBN60B18D55	18	55	16×4.3	12	119.0	109.705	83	40	12	2.00
FBN60B19D19	19	19	6×2.8	6	126.0	115.739	83	40	12	2.10
FBN60B19D20	19	20	6×2.8	6	126.0	115.739	83	40	12	2.10
FBN60B19D22	19	22	6×2.8	6	126.0	115.739	83	40	12	2.10
FBN60B19D24	19	24	8×3.3	8	126.0	115.739	83	40	12	2.10
FBN60B19D25	19	25	8×3.3	8	126.0	115.739	83	40	12	2.10

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN60B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN60B19D28	19	28	8×3.3	8	126.0	115.739	83	40	12	2.10
FBN60B19D30	19	30	8×3.3	8	126.0	115.739	83	40	12	2.10
FBN60B19D32	19	32	10×3.3	8	126.0	115.739	83	40	12	2.10
FBN60B19D35	19	35	10×3.3	8	126.0	115.739	83	40	12	2.10
FBN60B19D38	19	38	10×3.3	8	126.0	115.739	83	40	12	2.10
FBN60B19D40	19	40	12×3.3	8	126.0	115.739	83	40	12	2.10
FBN60B19D42	19	42	12×3.3	8	126.0	115.739	83	40	12	2.10
FBN60B19D45	19	45	14×3.8	10	126.0	115.739	83	40	12	2.10
FBN60B19D48	19	48	14×3.8	10	126.0	115.739	83	40	12	2.10
FBN60B19D50	19	50	14×3.8	10	126.0	115.739	83	40	12	2.10
FBN60B19D55	19	55	16×4.3	12	126.0	115.739	83	40	12	2.10
FBN60B20D19	20	19	6×2.8	6	132.0	121.776	83	40	12	2.20
FBN60B20D20	20	20	6×2.8	6	132.0	121.776	83	40	12	2.20
FBN60B20D22	20	22	6×2.8	6	132.0	121.776	83	40	12	2.20
FBN60B20D24	20	24	8×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D25	20	25	8×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D28	20	28	8×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D30	20	30	8×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D32	20	32	10×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D35	20	35	10×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D38	20	38	10×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D40	20	40	12×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D42	20	42	12×3.3	8	132.0	121.776	83	40	12	2.20
FBN60B20D45	20	45	14×3.8	10	132.0	121.776	83	40	12	2.20
FBN60B20D48	20	48	14×3.8	10	132.0	121.776	83	40	12	2.20
FBN60B20D50	20	50	14×3.8	10	132.0	121.776	83	40	12	2.20
FBN60B20D55	20	55	16×4.3	12	132.0	121.776	83	40	12	2.20
FBN60B21D20	21	20	6×2.8	6	138.0	127.816	83	40	12	2.30
FBN60B21D22	21	22	6×2.8	6	138.0	127.816	83	40	12	2.30
FBN60B21D24	21	24	8×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D25	21	25	8×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D28	21	28	8×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D30	21	30	8×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D32	21	32	10×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D35	21	35	10×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D38	21	38	10×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D40	21	40	12×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D42	21	42	12×3.3	8	138.0	127.816	83	40	12	2.30
FBN60B21D45	21	45	14×3.8	10	138.0	127.816	83	40	12	2.30

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN60B

Order Product Code

FBN60B20D20

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.60**
- Chain Pitch .....**(P) 19.05 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.7 mm**

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

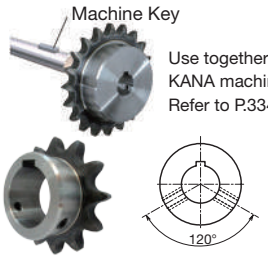
No. of Teeth	S	GD
9		32
10	8.0	37
11		45

TYPE FBN60B

m Carbon Structural Steel
h High-frequency Hardened Teeth

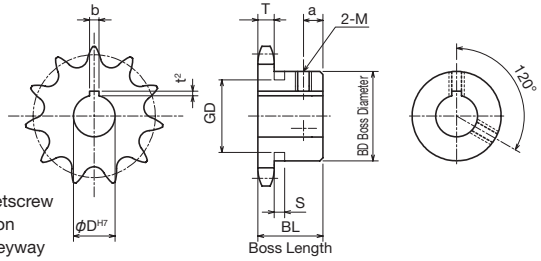
Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN60B21D48	21	48	14×3.8	10	138.0	127.816	83	40	12	2.30
FBN60B21D50	21	50	14×3.8	10	138.0	127.816	83	40	12	2.30
FBN60B21D55	21	55	16×4.3	12	138.0	127.816	83	40	12	2.30
FBN60B22D20	22	20	6×2.8	6	144.0	133.858	83	40	12	2.50
FBN60B22D22	22	22	6×2.8	6	144.0	133.858	83	40	12	2.50
FBN60B22D24	22	24	8×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D25	22	25	8×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D28	22	28	8×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D30	22	30	8×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D32	22	32	10×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D35	22	35	10×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D38	22	38	10×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D40	22	40	12×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D42	22	42	12×3.3	8	144.0	133.858	83	40	12	2.50
FBN60B22D45	22	45	14×3.8	10	144.0	133.858	83	40	12	2.50
FBN60B22D48	22	48	14×3.8	10	144.0	133.858	83	40	12	2.50
FBN60B22D50	22	50	14×3.8	10	144.0	133.858	83	40	12	2.50
FBN60B22D55	22	55	16×4.3	12	144.0	133.858	83	40	12	2.50
FBN60B23D20	23	20	6×2.8	6	150.0	139.902	83	40	12	2.50
FBN60B23D22	23	22	6×2.8	6	150.0	139.902	83	40	12	2.50
FBN60B23D24	23	24	8×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D25	23	25	8×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D28	23	28	8×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D30	23	30	8×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D32	23	32	10×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D35	23	35	10×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D38	23	38	10×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D40	23	40	12×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D42	23	42	12×3.3	8	150.0	139.902	83	40	12	2.50
FBN60B23D45	23	45	14×3.8	10	150.0	139.902	83	40	12	2.50
FBN60B23D48	23	48	14×3.8	10	150.0	139.902	83	40	12	2.50
FBN60B23D50	23	50	14×3.8	10	150.0	139.902	83	40	12	2.50
FBN60B23D55	23	55	16×4.3	12	150.0	139.902	83	40	12	2.50
FBN60B24D20	24	20	6×2.8	6	156.0	145.948	83	40	12	2.60
FBN60B24D22	24	22	6×2.8	6	156.0	145.948	83	40	12	2.60
FBN60B24D24	24	24	8×3.3	8	156.0	145.948	83	40	12	2.60
FBN60B24D25	24	25	8×3.3	8	156.0	145.948	83	40	12	2.60
FBN60B24D28	24	28	8×3.3	8	156.0	145.948	83	40	12	2.60
FBN60B24D30	24	30	8×3.3	8	156.0	145.948	83	40	12	2.60

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.



Use together with the KANA machine key. Refer to P.334 to P.335

! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN60B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN60B24D32	24	32	10×3.3	8	156.0	145.948	83	40	12	2.60
FBN60B24D35	24	35	10×3.3	8	156.0	145.948	83	40	12	2.60
FBN60B24D38	24	38	10×3.3	8	156.0	145.948	83	40	12	2.60
FBN60B24D40	24	40	12×3.3	8	156.0	145.948	83	40	12	2.60
FBN60B24D42	24	42	12×3.3	8	156.0	145.948	83	40	12	2.60
FBN60B24D45	24	45	14×3.8	10	156.0	145.948	83	40	12	2.60
FBN60B24D48	24	48	14×3.8	10	156.0	145.948	83	40	12	2.60
FBN60B24D50	24	50	14×3.8	10	156.0	145.948	83	40	12	2.60
FBN60B24D55	24	55	16×4.3	12	156.0	145.948	83	40	12	2.60
FBN60B25D20	25	20	6×2.8	6	162.0	151.995	83	40	12	2.70
FBN60B25D22	25	22	6×2.8	6	162.0	151.995	83	40	12	2.70
FBN60B25D24	25	24	8×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D25	25	25	8×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D28	25	28	8×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D30	25	30	8×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D32	25	32	10×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D35	25	35	10×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D38	25	38	10×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D40	25	40	12×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D42	25	42	12×3.3	8	162.0	151.995	83	40	12	2.70
FBN60B25D45	25	45	14×3.8	10	162.0	151.995	83	40	12	2.70
FBN60B25D48	25	48	14×3.8	10	162.0	151.995	83	40	12	2.70
FBN60B25D50	25	50	14×3.8	10	162.0	151.995	83	40	12	2.70
FBN60B25D55	25	55	16×4.3	12	162.0	151.995	83	40	12	2.70
FBN60B26D20	26	20	6×2.8	6	168.0	158.043	83	40	12	2.90
FBN60B26D22	26	22	6×2.8	6	168.0	158.043	83	40	12	2.90
FBN60B26D24	26	24	8×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D25	26	25	8×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D28	26	28	8×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D30	26	30	8×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D32	26	32	10×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D35	26	35	10×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D38	26	38	10×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D40	26	40	12×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D42	26	42	12×3.3	8	168.0	158.043	83	40	12	2.90
FBN60B26D45	26	45	14×3.8	10	168.0	158.043	83	40	12	2.90
FBN60B26D48	26	48	14×3.8	10	168.0	158.043	83	40	12	2.90
FBN60B26D50	26	50	14×3.8	10	168.0	158.043	83	40	12	2.90
FBN60B26D55	26	55	16×4.3	12	168.0	158.043	83	40	12	2.90

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN60B

FBN Finished Bore Sprocket
New JIS Keyway Specification

Order Product Code

FBN60B20D20

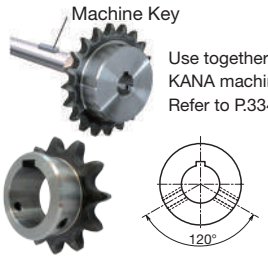
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.60**
- Chain Pitch .....**(P) 19.05 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.7 mm**

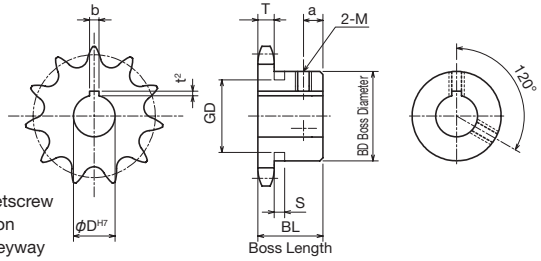
! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	8.0	32
10		37
11		45



Use together with the KANA machine key. Refer to P.334 to P.335

! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN60B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN60B27D22	27	22	6×2.8	6	174.0	164.093	83	40	12	3.00
FBN60B27D24	27	24	8×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D25	27	25	8×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D28	27	28	8×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D30	27	30	8×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D32	27	32	10×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D35	27	35	10×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D38	27	38	10×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D40	27	40	12×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D42	27	42	12×3.3	8	174.0	164.093	83	40	12	3.00
FBN60B27D45	27	45	14×3.8	10	174.0	164.093	83	40	12	3.00
FBN60B27D48	27	48	14×3.8	10	174.0	164.093	83	40	12	3.00
FBN60B27D50	27	50	14×3.8	10	174.0	164.093	83	40	12	3.00
FBN60B28D22	28	22	6×2.8	6	180.0	170.143	83	40	12	3.10
FBN60B28D24	28	24	8×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D25	28	25	8×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D28	28	28	8×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D30	28	30	8×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D32	28	32	10×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D35	28	35	10×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D38	28	38	10×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D40	28	40	12×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D42	28	42	12×3.3	8	180.0	170.143	83	40	12	3.10
FBN60B28D45	28	45	14×3.8	10	180.0	170.143	83	40	12	3.10
FBN60B28D48	28	48	14×3.8	10	180.0	170.143	83	40	12	3.10
FBN60B28D50	28	50	14×3.8	10	180.0	170.143	83	40	12	3.10
FBN60B29D35	29	35	10×3.3	8	187.0	176.195	83	40	12	3.30
FBN60B30D22	30	22	6×2.8	6	193.0	182.247	83	40	12	3.40
FBN60B30D24	30	24	8×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D25	30	25	8×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D28	30	28	8×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D30	30	30	8×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D32	30	32	10×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D35	30	35	10×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D38	30	38	10×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D40	30	40	12×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D42	30	42	12×3.3	8	193.0	182.247	83	40	12	3.40
FBN60B30D45	30	45	14×3.8	10	193.0	182.247	83	40	12	3.40

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN60B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN60B30D48	30	48	14×3.8	10	193.0	182.247	83	40	12	3.40
FBN60B30D50	30	50	14×3.8	10	193.0	182.247	83	40	12	3.40
FBN60B30D55	30	55	16×4.3	12	193.0	182.247	83	40	12	3.40
FBN60B31D40	31	40	12×3.3	8	199.0	188.300	83	40	12	3.64
FBN60B32D30	32	30	8×3.3	8	205.0	194.354	83	40	12	3.80
FBN60B32D32	32	32	10×3.3	8	205.0	194.354	83	40	12	3.80
FBN60B32D35	32	35	10×3.3	8	205.0	194.354	83	40	12	3.80
FBN60B32D40	32	40	12×3.3	8	205.0	194.354	83	40	12	3.80
FBN60B32D45	32	45	14×3.8	10	205.0	194.354	83	40	12	3.80
FBN60B32D50	32	50	14×3.8	10	205.0	194.354	83	40	12	3.80
FBN60B32D55	32	55	16×4.3	12	205.0	194.354	83	40	12	3.80
FBN60B33D35	33	35	10×3.3	8	211.0	200.408	83	40	12	4.00
FBN60B34D50	34	50	14×3.8	10	217.0	206.463	83	40	12	4.15
FBN60B35D30	35	30	8×3.3	8	223.0	212.518	83	40	12	4.33
FBN60B35D32	35	32	10×3.3	8	223.0	212.518	83	40	12	4.33
FBN60B35D35	35	35	10×3.3	8	223.0	212.518	83	40	12	4.33
FBN60B35D40	35	40	12×3.3	8	223.0	212.518	83	40	12	4.33
FBN60B35D45	35	45	14×3.8	10	223.0	212.518	83	40	12	4.33
FBN60B35D50	35	50	14×3.8	10	223.0	212.518	83	40	12	4.33
FBN60B35D55	35	55	16×4.3	12	223.0	212.518	83	40	12	4.33
FBN60B38D32	38	32	10×3.3	8	241.0	230.687	83	40	12	4.90
FBN60B38D35	38	35	10×3.3	8	241.0	230.687	83	40	12	4.90
FBN60B38D40	38	40	12×3.3	8	241.0	230.687	83	40	12	4.90
FBN60B38D45	38	45	14×3.8	10	241.0	230.687	83	40	12	4.90
FBN60B38D50	38	50	14×3.8	10	241.0	230.687	83	40	12	4.90
FBN60B38D55	38	55	16×4.3	12	241.0	230.687	83	40	12	4.90
FBN60B40D32	40	32	10×3.3	8	253.0	242.802	83	40	12	5.30
FBN60B40D35	40	35	10×3.3	8	253.0	242.802	83	40	12	5.30
FBN60B40D40	40	40	12×3.3	8	253.0	242.802	83	40	12	5.30
FBN60B40D45	40	45	14×3.8	10	253.0	242.802	83	40	12	5.30
FBN60B40D50	40	50	14×3.8	10	253.0	242.802	83	40	12	5.30
FBN60B40D55	40	55	16×4.3	12	253.0	242.802	83	40	12	5.30
FBN60B45D32	45	32	10×3.3	8	284.0	273.093	93	45	12	7.10
FBN60B45D35	45	35	10×3.3	8	284.0	273.093	93	45	12	7.10
FBN60B45D40	45	40	12×3.3	8	284.0	273.093	93	45	12	7.10
FBN60B45D45	45	45	14×3.8	10	284.0	273.093	93	45	12	7.10
FBN60B45D50	45	50	14×3.8	10	284.0	273.093	93	45	12	7.10
FBN60B45D55	45	55	16×4.3	12	284.0	273.093	93	45	12	7.10

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

SUSFBN60B

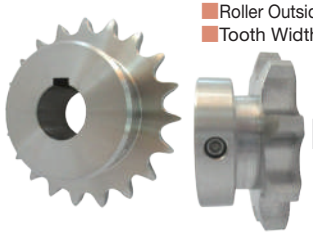
SUS FBN Finished Bore Sprocket
New JIS Keyway Specification

Order Product Code

SUSFBN60B 18 D28

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

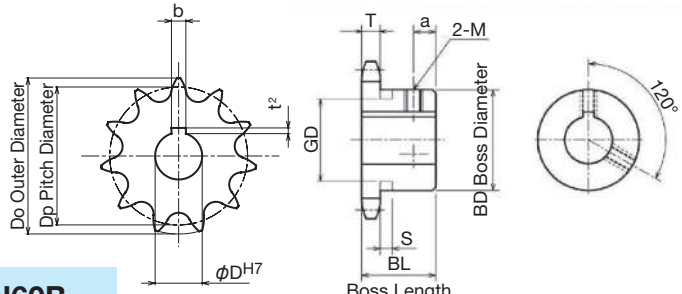


- Chain No.60
- Chain Pitch .....(P) 19.05mm
- Roller Link Inner Width .....(W) 12.70mm
- Roller Outside Diameter .....(Dr) 11.91mm
- Tooth Width .....(T) 11.7 mm

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
10	8.0	37
11		45

Use together with the KANA machine key. Refer to P.334 to P.335



TYPE SUSFBN60B

Ⓜ Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN60B10D20	10	20	6×2.8	6	68	61.65	★49	32	6	0.49
SUSFBN60B10D22	10	22	6×2.8	6	68	61.65	★49	32	6	0.49
SUSFBN60B10D25	10	25	8×3.3	8	68	61.65	★49	32	6	0.49
SUSFBN60B11D20	11	20	6×2.8	6	76	67.62	★51	32	6	0.60
SUSFBN60B11D22	11	22	6×2.8	6	76	67.62	★51	32	6	0.60
SUSFBN60B11D25	11	25	8×3.3	8	76	67.62	★51	32	6	0.60
SUSFBN60B12D20	12	20	6×2.8	6	83	73.60	51	32	8	0.69
SUSFBN60B12D22	12	22	6×2.8	6	83	73.60	51	32	8	0.69
SUSFBN60B12D25	12	25	8×3.3	8	83	73.60	51	32	8	0.69
SUSFBN60B13D20	13	20	6×2.8	6	89	79.60	57	32	8	0.81
SUSFBN60B13D22	13	22	6×2.8	6	89	79.60	57	32	8	0.81
SUSFBN60B13D25	13	25	8×3.3	8	89	79.60	57	32	8	0.81
SUSFBN60B13D28	13	28	8×3.3	8	89	79.60	57	32	8	0.81
SUSFBN60B14D20	14	20	6×2.8	6	95	85.61	62	32	8	0.96
SUSFBN60B14D22	14	22	6×2.8	6	95	85.61	62	32	8	0.96
SUSFBN60B14D25	14	25	8×3.3	8	95	85.61	62	32	8	0.96
SUSFBN60B14D28	14	28	8×3.3	8	95	85.61	62	32	8	0.96
SUSFBN60B15D20	15	20	6×2.8	6	101	91.62	68	32	8	1.10
SUSFBN60B15D22	15	22	6×2.8	6	101	91.62	68	32	8	1.10
SUSFBN60B15D25	15	25	8×3.3	8	101	91.62	68	32	8	1.10
SUSFBN60B15D28	15	28	8×3.3	8	101	91.62	68	32	8	1.10
SUSFBN60B15D30	15	30	8×3.3	8	101	91.62	68	32	8	1.10
SUSFBN60B15D32	15	32	10×3.3	8	101	91.62	68	32	8	1.10
SUSFBN60B15D35	15	35	10×3.3	8	101	91.62	68	32	8	1.10
SUSFBN60B15D38	15	38	10×3.3	8	101	91.62	68	32	8	1.10
SUSFBN60B16D25	16	25	8×3.3	8	107	97.65	73	32	8	1.30
SUSFBN60B16D28	16	28	8×3.3	8	107	97.65	73	32	8	1.30
SUSFBN60B16D30	16	30	8×3.3	8	107	97.65	73	32	8	1.30
SUSFBN60B16D32	16	32	10×3.3	8	107	97.65	73	32	8	1.30
SUSFBN60B16D35	16	35	10×3.3	8	107	97.65	73	32	8	1.30
SUSFBN60B16D38	16	38	10×3.3	8	107	97.65	73	32	8	1.30
SUSFBN60B17D25	17	25	8×3.3	8	113	103.67	73	32	8	1.40
SUSFBN60B17D28	17	28	8×3.3	8	113	103.67	73	32	8	1.40
SUSFBN60B17D30	17	30	8×3.3	8	113	103.67	73	32	8	1.40
SUSFBN60B17D32	17	32	10×3.3	8	113	103.67	73	32	8	1.40
SUSFBN60B17D35	17	35	10×3.3	8	113	103.67	73	32	8	1.40
SUSFBN60B17D38	17	38	10×3.3	8	113	103.67	73	32	8	1.40

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE SUSFBN60B

Ⓜ Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN60B18D25	18	25	8×3.3	8	119	109.71	83	40	12	2.00
SUSFBN60B18D28	18	28	8×3.3	8	119	109.71	83	40	12	2.00
SUSFBN60B18D30	18	30	8×3.3	8	119	109.71	83	40	12	2.00
SUSFBN60B18D32	18	32	10×3.3	8	119	109.71	83	40	12	2.00
SUSFBN60B18D35	18	35	10×3.3	8	119	109.71	83	40	12	2.00
SUSFBN60B18D38	18	38	10×3.3	8	119	109.71	83	40	12	2.00
SUSFBN60B18D40	18	40	12×3.3	8	119	109.71	83	40	12	2.00
SUSFBN60B19D25	19	25	8×3.3	8	126	115.74	83	40	12	2.10
SUSFBN60B19D28	19	28	8×3.3	8	126	115.74	83	40	12	2.10
SUSFBN60B19D30	19	30	8×3.3	8	126	115.74	83	40	12	2.10
SUSFBN60B19D32	19	32	10×3.3	8	126	115.74	83	40	12	2.10
SUSFBN60B19D35	19	35	10×3.3	8	126	115.74	83	40	12	2.10
SUSFBN60B19D38	19	38	10×3.3	8	126	115.74	83	40	12	2.10
SUSFBN60B19D40	19	40	12×3.3	8	126	115.74	83	40	12	2.10
SUSFBN60B20D25	20	25	8×3.3	8	132	121.78	83	40	12	2.20
SUSFBN60B20D28	20	28	8×3.3	8	132	121.78	83	40	12	2.20
SUSFBN60B20D30	20	30	8×3.3	8	132	121.78	83	40	12	2.20
SUSFBN60B20D32	20	32	10×3.3	8	132	121.78	83	40	12	2.20
SUSFBN60B20D35	20	35	10×3.3	8	132	121.78	83	40	12	2.20
SUSFBN60B20D38	20	38	10×3.3	8	132	121.78	83	40	12	2.20
SUSFBN60B20D40	20	40	12×3.3	8	132	121.78	83	40	12	2.20
SUSFBN60B21D30	21	30	8×3.3	8	138	127.82	83	40	12	2.30
SUSFBN60B21D35	21	35	10×3.3	8	138	127.82	83	40	12	2.30
SUSFBN60B21D40	21	40	12×3.3	8	138	127.82	83	40	12	2.30
SUSFBN60B22D30	22	30	8×3.3	8	144	133.86	83	40	12	2.50
SUSFBN60B22D35	22	35	10×3.3	8	144	133.86	83	40	12	2.50
SUSFBN60B22D40	22	40	12×3.3	8	144	133.86	83	40	12	2.50
SUSFBN60B23D30	23	30	8×3.3	8	150	139.90	83	40	12	2.50
SUSFBN60B23D35	23	35	10×3.3	8	150	139.90	83	40	12	2.50
SUSFBN60B23D40	23	40	12×3.3	8	150	139.90	83	40	12	2.50
SUSFBN60B24D30	24	30	8×3.3	8	156	145.95	83	40	12	2.60
SUSFBN60B24D35	24	35	10×3.3	8	156	145.95	83	40	12	2.60
SUSFBN60B24D40	24	40	12×3.3	8	156	145.95	83	40	12	2.60
SUSFBN60B25D30	25	30	8×3.3	8	162	151.99	83	40	12	2.70
SUSFBN60B25D35	25	35	10×3.3	8	162	151.99	83	40	12	2.70
SUSFBN60B25D40	25	40	12×3.3	8	162	151.99	83	40	12	2.70
SUSFBN60B30D30	30	30	8×3.3	8	193	182.25	83	40	12	3.30
SUSFBN60B30D35	30	35	10×3.3	8	193	182.25	83	40	12	3.30
SUSFBN60B30D40	30	40	12×3.3	8	193	182.25	83	40	12	3.30

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN60SD

Order Product Code

FBN60SD18D30

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain No.60
- Chain Pitch .....(P) 19.05mm
- Roller Link Inner Width .....(W) 12.70mm
- Roller Outside Diameter .....(Dr) 11.91mm
- Tooth Width .....(T) 11.7 mm
  (C) 38.3 mm

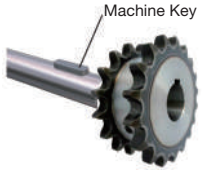
TYPE	FBN60SD

m Carbon Structural Steel
h High-frequency Hardened Teeth

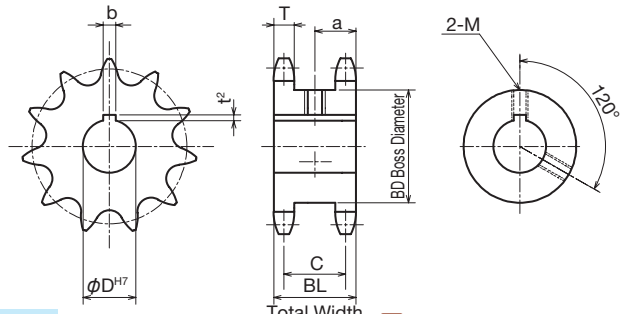
Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN60SD12D20	12	20	6×2.8	6	83.0	73.604	51	50	25	1.14
FBN60SD12D25	12	25	8×3.3	8	83.0	73.604	51	50	25	1.14
FBN60SD12D30	12	30	8×3.3	8	83.0	73.604	51	50	25	1.14
FBN60SD13D25	13	25	8×3.3	8	89.0	79.602	57	50	25	1.39
FBN60SD13D30	13	30	8×3.3	8	89.0	79.602	57	50	25	1.39
FBN60SD13D32	13	32	10×3.3	8	89.0	79.602	57	50	25	1.39
FBN60SD13D35	13	35	10×3.3	8	89.0	79.602	57	50	25	1.39
FBN60SD14D30	14	30	8×3.3	8	95.0	85.610	64	50	25	1.63
FBN60SD14D35	14	35	10×3.3	8	95.0	85.610	64	50	25	1.63
FBN60SD14D40	14	40	12×3.3	8	95.0	85.610	64	50	25	1.63
FBN60SD15D30	15	30	8×3.3	8	101.0	91.625	70	50	25	1.96
FBN60SD15D35	15	35	10×3.3	8	101.0	91.625	70	50	25	1.96
FBN60SD15D40	15	40	12×3.3	8	101.0	91.625	70	50	25	1.96
FBN60SD16D30	16	30	8×3.3	8	107.0	97.647	76	50	25	2.20
FBN60SD16D35	16	35	10×3.3	8	107.0	97.647	76	50	25	2.20
FBN60SD16D40	16	40	12×3.3	8	107.0	97.647	76	50	25	2.20
FBN60SD16D45	16	45	14×3.8	10	107.0	97.647	76	50	25	2.20

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN SD Finished Bore Sprocket Single-Double
New JIS Keyway Specification



Use together
with the KANA machine key.
Refer to P.334 to P.335



TYPE	FBN60SD

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN60SD17D30	17	30	8×3.3	8	113.0	103.674	82	50	25	2.56
FBN60SD17D35	17	35	10×3.3	8	113.0	103.674	82	50	25	2.56
FBN60SD17D40	17	40	12×3.3	8	113.0	103.674	82	50	25	2.56
FBN60SD17D45	17	45	14×3.8	10	113.0	103.674	82	50	25	2.56
FBN60SD18D30	18	30	8×3.3	8	119.0	109.705	88	50	25	2.90
FBN60SD18D35	18	35	10×3.3	8	119.0	109.705	88	50	25	2.90
FBN60SD18D40	18	40	12×3.3	8	119.0	109.705	88	50	25	2.90
FBN60SD18D45	18	45	14×3.8	10	119.0	109.705	88	50	25	2.90
FBN60SD19D40	19	40	12×3.3	8	126.0	115.739	94	50	25	3.26
FBN60SD19D45	19	45	14×3.8	10	126.0	115.739	94	50	25	3.26
FBN60SD19D50	19	50	14×3.8	10	126.0	115.739	94	50	25	3.26
FBN60SD20D40	20	40	12×3.3	8	132.0	121.776	100	50	25	3.70
FBN60SD20D45	20	45	14×3.8	10	132.0	121.776	100	50	25	3.70
FBN60SD20D50	20	50	14×3.8	10	132.0	121.776	100	50	25	3.70
FBN60SD21D40	21	40	12×3.3	8	138.0	127.816	107	50	25	4.13
FBN60SD21D45	21	45	14×3.8	10	138.0	127.816	107	50	25	4.13
FBN60SD21D50	21	50	14×3.8	10	138.0	127.816	107	50	25	4.13

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

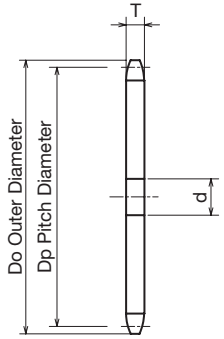
60A

Order Product Code

60A 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.60**
- Chain Pitch .....**(P) 19.05 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.7 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
60A	10	70	61.647	14	15	0.27
	11	76	67.617	14	15	0.30
	12	83	73.604	14	15	0.38
	13	89	79.602	14	15	0.45
	14	95	85.610	16	17	0.50
	15	101	91.625	16	17	0.60
	16	107	97.647	16	17	0.65
	17	113	103.674	16	17	0.75
	18	119	109.705	16	17	0.84
	19	126	115.739	16	17	0.93
	20	132	121.776	16	17	1.05
	21	138	127.816	16	17	1.15
	22	144	133.858	16	17	1.25
	23	150	139.902	16	17	1.40
	24	156	145.948	18	19	1.50
	25	162	151.995	18	19	1.62
	26	168	158.043	18	19	1.78
	27	174	164.093	18	19	1.90
	28	180	170.143	18	19	2.05
	29	187	176.195	18	19	2.20
	30	193	182.247	18	19	2.35
	31	199	188.300	20	21	2.50
	32	205	194.354	20	21	2.68
	33	211	200.408	20	21	2.85
	34	217	206.463	20	21	3.02
	35	223	212.518	20	21	3.25
	36	229	218.574	20	21	3.40

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
60A	37	235	224.631	20	21	3.60
	38	241	230.687	20	21	3.80
	39	247	236.744	20	21	4.00
	40	253	242.802	20	21	4.20
	41	260	248.859	20	21	4.45
	42	266	254.917	20	21	4.63
	43	272	260.976	20	21	4.85
	44	278	267.034	20	21	5.10
	45	284	273.093	20	21	5.30
	46	290	279.152	20	21	5.59
	47	296	285.211	20	21	5.83
	48	302	291.270	20	21	6.10
	49	308	297.330	20	21	6.34
	50	314	303.390	20	21	6.60
	51	320	309.450	20	21	6.87
	52	326	315.510	20	21	7.15
	53	332	321.570	20	21	7.44
	54	338	327.630	20	21	7.70
	55	345	333.691	20	21	8.00
	57	357	345.812	20	21	8.59
	58	363	351.873	20	21	8.90
	60	375	363.994	20	21	9.50
	65	405	394.301	26	27	11.20
	70	436	424.609	26	27	13.00
	72	448	436.732	26	27	13.70
	75	466	454.918	26	27	14.90
	80	496	485.229	26	27	16.90
	90	557	545.853	26	27	21.40

HG60A

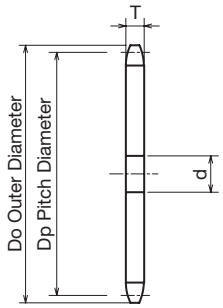
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG60A 20H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.60**
- Chain Pitch .....**(P) 19.05 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.7 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG60A	10H	70	61.647	14	15	0.27
	11H	76	67.617	14	15	0.30
	12H	83	73.604	14	15	0.38
	13H	89	79.602	14	15	0.45
	14H	95	85.610	16	17	0.50
	15H	101	91.625	16	17	0.60
	16H	107	97.647	16	17	0.65
	17H	113	103.674	16	17	0.75
	18H	119	109.705	16	17	0.84
	19H	126	115.739	16	17	0.93
	20H	132	121.776	16	17	1.05
	21H	138	127.816	16	17	1.15
	22H	144	133.858	16	17	1.25
	23H	150	139.902	16	17	1.40
	24H	156	145.948	18	19	1.50
	25H	162	151.995	18	19	1.62
	26H	168	158.043	18	19	1.78
	27H	174	164.093	18	19	1.90
	28H	180	170.143	18	19	2.05
	29H	187	176.195	18	19	2.20
	30H	193	182.247	18	19	2.35
	32H	205	194.354	20	21	2.68
	34H	217	206.463	20	21	3.02
	35H	223	212.518	20	21	3.25
	36H	229	218.574	20	21	3.40

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG60A	38H	241	230.687	20	21	3.80
	39H	247	236.744	20	21	4.00
	40H	253	242.802	20	21	4.20
	42H	266	254.917	20	21	4.63
	44H	278	267.034	20	21	5.10
	45H	284	273.093	20	21	5.30
	46H	290	279.152	20	21	5.59
	47H	296	285.211	20	21	5.83
	48H	302	291.270	20	21	6.10
	49H	308	297.330	20	21	6.34
	50H	314	303.390	20	21	6.60
	52H	326	315.510	20	21	7.15
	54H	338	327.630	20	21	7.70
	55H	345	333.691	20	21	8.00
	60H	375	363.994	20	21	9.50
	65H	405	394.301	26	27	11.20
	70H	436	424.609	26	27	13.00
	75H	466	454.918	26	27	14.90

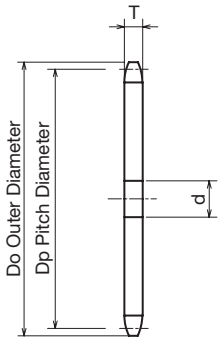
SUS60A

Order Product Code

SUS60A 20

TYPE — No. of Teeth

Sprocket No.



- Chain **No.60**
- Chain Pitch .....**(P) 19.05 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.7 mm**

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
SUS60A	10	70	61.647	14	15	0.27
	11	76	67.617	14	15	0.30
	12	83	73.604	14	15	0.38
	13	89	79.602	14	15	0.45
	14	95	85.610	16	17	0.50
	15	101	91.625	16	17	0.60
	16	107	97.647	16	17	0.65
	17	113	103.674	16	17	0.75
	18	119	109.705	16	17	0.84
	19	126	115.739	16	17	0.93
	20	132	121.776	16	17	1.05
	21	138	127.816	16	17	1.15
	22	144	133.858	16	17	1.25
	23	150	139.902	16	17	1.40
	24	156	145.948	18	19	1.50
	25	162	151.995	18	19	1.62
	26	168	158.043	18	19	1.78
	27	174	164.093	18	19	1.90
	28	180	170.143	18	19	2.05
	29	187	176.195	18	19	2.20

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
SUS60A	30	193	182.247	18	19	2.35
	31	199	188.300	20	21	2.50
	32	205	194.354	20	21	2.68
	33	211	200.408	20	21	2.85
	34	217	206.463	20	21	3.02
	35	223	212.518	20	21	3.25
	36	229	218.574	20	21	3.40
	37	235	224.631	20	21	3.60
	38	241	230.687	20	21	3.80
	39	247	236.744	20	21	4.00
	40	253	242.802	20	21	4.20

HG60-2A

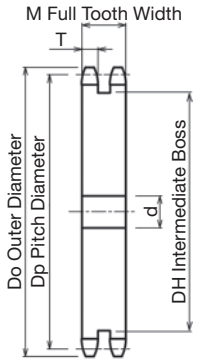
HG High-grade Sprocket with Hardened Teeth Two-row A-type

Order Product Code

HG60-2A 35H

TYPE — No. of Teeth

Sprocket No.



- Chain No.60-2
- Chain Pitch .....(P) 19.05 mm
- Roller Link Inner Width .....(W) 12.70 mm
- Roller Outside Diameter .....(Dr) 11.91 mm
- Tooth Width .....(T) 11.3 mm
- Complete Tooth Width .....(M) 34.1 mm

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		DH	M	Shape	Weight kg
				Prepared Hole	Minimum				
HG60-2A	35H	223	212.518	20	21	192	34.1	Ground Specification	8.89
	36H	229	218.574	20	21	198	34.1		9.38
	38H	241	230.687	20	21	210	34.1		10.51
	40H	253	242.802	20	21	222	34.1		11.97
	42H	266	254.917	23	24	234	34.1		12.91
	45H	284	273.093	23	24	253	34.1		14.90
	48H	302	291.270	23	24	271	34.1		17.08
	50H	314	303.390	23	24	283	34.1		18.55
	60H	375	363.994	23	24	344	34.1		26.97

MEMO

Sprocket Installation Mini Memo

☐ Roller Chain and Sprocket Arrangement and Vertical Installation

If the chain is stretched, there may be deflection as in (5), causing the chain to come off if used on the bottom side of the small sprocket. Therefore, use an angle of 60° or less as in (4).

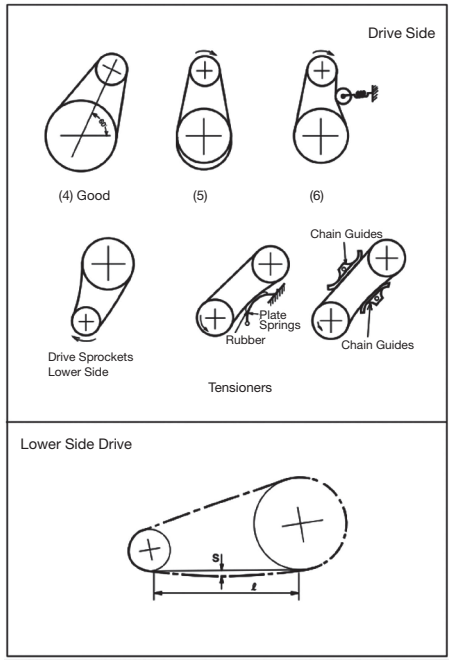
We recommend putting the large sprocket on the lower side and using an idler, etc. on the outside or inside as in (6) if vertical use is required by the mechanism or space constraints.
Also, install an idler on the chain deflection side.

☐ Roller Chain Deflection: Deflection is Generally Approximately 2% of Chain Span

In general, the deflection amount S is about 2% of the span; for the following cases, reduce it to about 1%.

When S ≤ 0.01

- ◆ Vertical or near-vertical arrangement
- ◆ Upper side is deflection side, in horizontal or near-horizontal arrangement
- ◆ Shaft distance exceeds 50x chain pitch
- ◆ Vibration or impact is present
- ◆ Frequent starting and stopping
- ◆ Sudden reversal
- ◆ Fluctuation ratio of 7:1 or more



☐ Fluctuating or Pulsating Loads

Attach a tensioner to the tension side or deflection side of the chain and apply an initial tensile force beforehand to eliminate vibration of the chain during operation and reduce noise.
Initial tensile strength
····· 1/40 to 1/35 of chain breaking strength
(or slightly more than 1/2 chain tensile strength)

NK60B

Order Product Code

NK60B 20

TYPE — No. of Teeth

Sprocket No.

Ground Specification

Welded Specification

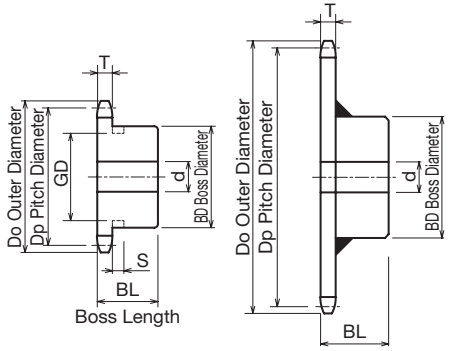
(Black stain also mixed in)

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335

- Chain No.60
- Chain Pitch .....(P) 19.05 mm
- Roller Link Inner Width .....(W) 12.70 mm
- Roller Outside Diameter .....(Dr) 11.91 mm
- Tooth Width .....(T) 11.7 mm

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK60B	8	58	49.780	12	13	20	★34	32	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.30
	9	64	55.698	12	13	25	★43	32			0.40
	10	70	61.647	14	15	30	★49	32			0.49
	11	76	67.617	14	15	32	★51	32			0.60
	12	83	73.604	14	15	32	51	32			0.69
	13	89	79.602	14	15	35	57	32			0.81
	14	95	85.610	16	17	40	62	32			0.96
	15	101	91.625	16	17	45	68	32			1.10
	16	107	97.647	16	17	48	73	32			1.30
	17	113	103.674	16	17	48	73	32			1.40
	18	119	109.705	16	17	55	83	40			2.00
	19	126	115.739	16	17	55	83	40			2.10
	20	132	121.776	16	17	55	83	40			2.20
	21	138	127.816	16	17	55	83	40			2.30
	22	144	133.858	16	17	55	83	40			2.50
	23	150	139.902	16	17	55	83	40			2.50
	24	156	145.948	18	19	55	83	40			2.60
	25	162	151.995	18	19	55	83	40			2.70
	26	168	158.043	18	19	55	83	40			2.90
	27	174	164.093	18	19	55	83	40			3.00
	28	180	170.143	18	19	55	83	40			3.10
	29	187	176.195	18	19	55	83	40			3.30
	30	193	182.247	18	19	55	83	40			3.40
	31	199	188.300	20	21	55	83	40			3.64
	32	205	194.354	20	21	55	83	40			3.80
	33	211	200.408	20	21	55	83	40			4.00
	34	217	206.463	20	21	55	83	40			4.15
	35	223	212.518	20	21	55	83	40			4.33
	36	229	218.574	20	21	55	83	40			4.52
	37	235	224.631	20	21	55	83	40			4.70
	38	241	230.687	20	21	55	83	40			4.90
	39	247	236.744	20	21	55	83	40			5.10
	40	253	242.802	20	21	55	83	40			5.30



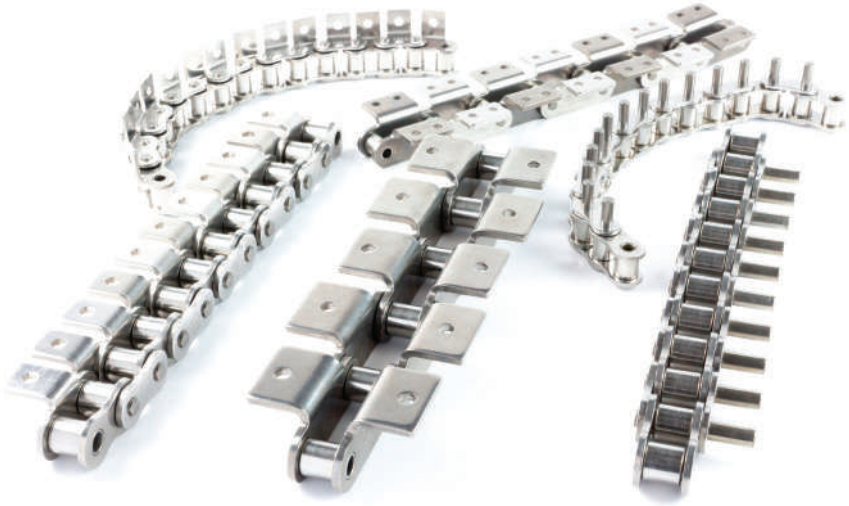
Ground Specification — Welded Specification

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK60B	41	260	248.859	20	21	63	93	45	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	6.00
	42	266	254.917	20	21	63	93	45			6.40
	43	272	260.976	20	21	63	93	45			6.60
	44	278	267.034	20	21	63	93	45			6.88
	45	284	273.093	20	21	63	93	45			7.10
	46	290	279.152	20	21	63	93	45			7.28
	47	296	285.211	20	21	63	93	45			7.53
	48	302	291.270	20	21	63	93	45			7.85
	49	308	297.330	20	21	63	93	45			8.04
	50	314	303.390	20	21	63	93	45			8.40
	51	320	309.450	20	21	63	93	45			8.57
	52	326	315.510	20	21	63	93	45			8.84
	54	338	327.630	20	21	63	93	45			9.50
	55	345	333.691	20	21	63	93	45	Welded Specification	m Common Steel	9.69
	56	351	339.751	20	21	63	93	45			9.99
	58	363	351.873	20	21	63	93	45			10.59
	60	375	363.994	20	21	63	93	45			11.30
	64	399	388.239	26	27	63	93	45			12.50
	65	405	394.301	26	27	75	107	45			13.50
	70	436	424.609	26	27	75	107	45			15.30
	75	466	454.918	26	27	75	107	45			17.20
	80	496	485.229	26	27	80	117	50			20.00
	85	527	515.541	26	27	80	117	50			22.30
	90	557	545.853	26	27	80	117	50			24.60

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
8	8.0	26
9		32
10	8.0	37
11		45

MEMO



K60B

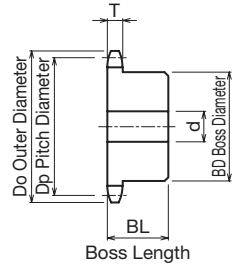
K Sprocket Former B-type

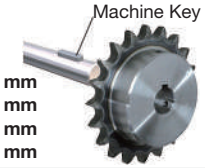
Order Product Code

K60B 15

TYPE — No. of Teeth

Sprocket No.





Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.60**
- Chain Pitch ..... **(P) 19.05 mm**
- Roller Link Inner Width ..... **(W) 12.70 mm**
- Roller Outside Diameter ..... **(Dr) 11.91 mm**
- Tooth Width ..... **(T) 11.7 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
K60B	10	70	61.647	13	14	22	39	40	Ground Specification	0.60
	11	76	67.617	13	14	28	45	40		0.70
	12	83	73.604	13	14	32	51	40		0.80
	13	89	79.602	13	14	35	56	40		0.90
	14	95	85.610	16	17	35	56	40		1.00
	15	101	91.625	16	17	35	56	40		1.10
	16	107	97.647	16	17	35	56	40		1.20
	17	113	103.674	16	17	46	70	40		1.60
	18	119	109.705	16	17	46	70	40		1.90
	19	126	115.739	16	17	46	70	40		2.10
	20	132	121.776	16	17	55	80	45		2.40
	21	138	127.816	16	17	55	80	45		2.50
	22	144	133.858	16	17	55	80	45		2.60
	23	150	139.902	16	17	55	80	45		2.80
	24	156	145.948	18	19	55	80	45		3.00
	25	162	151.995	18	19	55	80	45		3.20
	26	168	158.043	18	19	55	80	45		3.30
	27	174	164.093	18	19	55	80	45		3.50
	28	180	170.143	18	19	57	85	50		3.50
	29	187	176.195	18	19	57	85	50		3.60
	30	193	363.994	18	19	57	85	50		4.00

SUS60B

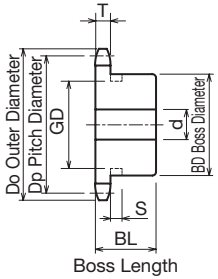
SUS Stainless Steel Sprocket B-type

Order Product Code

SUS60B 20

TYPE — No. of Teeth

Sprocket No.



Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.60**
- Chain Pitch ..... **(P) 19.05 mm**
- Roller Link Inner Width ..... **(W) 12.70 mm**
- Roller Outside Diameter ..... **(Dr) 11.91 mm**
- Tooth Width ..... **(T) 11.7 mm**

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS60B	10	70	61.647	14	15	30	★49	32	Ground Specification	0.49
	11	76	67.617	14	15	32	★51	32		0.60
	12	83	73.604	14	15	32	51	32		0.69
	13	89	79.602	14	15	35	57	32		0.81
	14	95	85.610	16	17	40	62	32		0.96
	15	101	91.625	16	17	45	68	32		1.10
	16	107	97.647	16	17	48	73	32		1.30
	17	113	103.674	16	17	48	73	32		1.40
	18	119	109.705	16	17	55	83	40		2.00
	19	126	115.739	16	17	55	83	40		2.10
	20	132	121.776	16	17	55	83	40		2.20
	21	138	127.816	16	17	55	83	40		2.30
	22	144	133.858	16	17	55	83	40		2.50
	23	150	139.902	16	17	55	83	40		2.50
	24	156	145.948	18	19	55	83	40		2.60
	25	162	151.995	18	19	55	83	40		2.70
	26	168	158.043	18	19	55	83	40		2.90
	27	174	164.093	18	19	55	83	40		3.00
	28	180	170.143	18	19	55	83	40		3.10
	30	193	182.247	18	19	55	83	40		3.40
	32	205	194.354	20	21	55	83	40	Welded Specification	3.80
	34	217	206.463	20	21	55	83	40		4.15
	35	223	212.518	20	21	55	83	40		4.33
	36	229	218.574	20	21	55	83	40		4.52
	38	241	230.687	20	21	55	83	40		4.90
	40	253	242.802	20	21	55	83	40		5.30

Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
10	8.0	37
11		45

Caution

*Because teeth number 32 to 40 are being shifted from welding specification to grinding specification, the inventory is currently mixed.

60SD

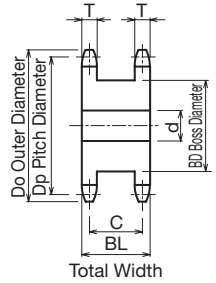
SD Single-Double Sprocket

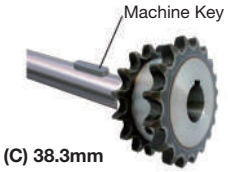
Order Product Code

60SD 15

TYPE — No. of Teeth

Sprocket No.





Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.60**
- Chain Pitch ..... **(P) 19.05 mm**
- Roller Link Inner Width ..... **(W) 12.70 mm**
- Roller Outside Diameter ..... **(Dr) 11.91 mm**
- Tooth Width ..... **(T) 11.7 mm** **(C) 38.3mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
				Prepared Hole	Minimum	Maximum			
60SD	10	70	61.647	13	14	20	37	50	0.74
	11	76	67.617	13	14	26	45	50	0.92
	12	83	73.604	13	14	32	51	50	1.14
	13	89	79.602	16	17	35	57	50	1.39
	14	95	85.610	16	17	42	64	50	1.63
	15	101	91.625	16	17	46	70	50	1.96
	16	107	97.647	16	17	51	76	50	2.20
	17	113	103.674	16	17	55	82	50	2.56
	18	119	109.705	18	19	60	88	50	2.90
	19	126	115.739	18	19	63	94	50	3.26
	20	132	121.776	18	19	68	100	50	3.70
	21	138	127.816	18	19	75	107	50	4.13
	22	144	133.858	18	19	78	113	50	4.59
	23	150	139.902	20	21	82	119	50	5.03
	24	156	145.948	20	21	85	125	50	5.52
	25	162	151.995	20	21	90	130	50	5.99
	26	168	158.043	20	21	96	138	50	6.64
	27	174	164.093	20	21	100	144	50	7.20
	28	180	170.143	20	21	106	150	50	7.78
	29	187	176.195	20	21	110	157	50	8.43
	30	193	182.247	20	21	114	163	50	9.06

NK60-2B

Order Product Code

NK60-2B 15

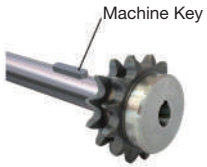
TYPE — No. of Teeth

Sprocket No.

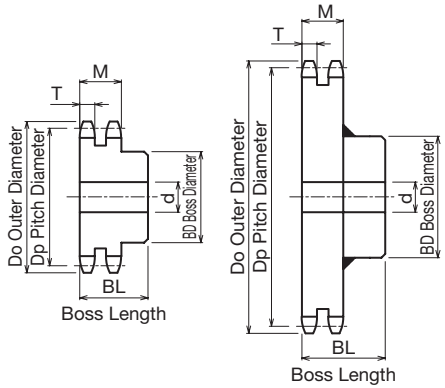
Ground Specification

Welded Specification
(Black stain also mixed in)

- Chain **No.60-2**
- Chain Pitch .....**(P) 19.05 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.3 mm**
- Complete Tooth Width .....**(M) 34.1 mm**



Use together with the KANA machine key. Refer to P.334 to P.335



Ground Specification — Welded Specification

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK60-2B	10	70	61.647	13	14	20	35	50	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.90
	11	76	67.617	13	14	25	44	50			1.00
	12	83	73.604	13	14	30	50	50			1.20
	13	89	79.602	16	17	35	57	50			1.40
	14	95	85.610	16	17	42	64	56			1.80
	15	101	91.625	16	17	46	70	56			2.10
	16	107	97.647	16	17	51	76	56			2.50
	17	113	103.674	16	17	55	82	56			2.60
	18	119	109.705	18	19	60	88	56			3.20
	19	126	115.739	18	19	63	94	56			3.70
	20	132	121.776	18	19	66	100	56			4.20
	21	138	127.816	18	19	66	100	56			4.40
	22	144	133.858	18	19	66	100	56			4.90
	23	150	139.902	20	21	66	100	56			4.70
	24	156	145.948	20	21	80	120	56			6.00
	25	162	151.995	20	21	80	120	56			6.40
	26	168	158.043	20	21	80	120	56			6.80
	27	174	164.093	20	21	80	120	56			7.30
	28	180	170.143	20	21	80	120	56			7.80
	29	187	176.195	20	21	80	120	56			8.20
	30	193	182.247	20	21	89	130	56			9.00

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK60-2B	31	199	188.300	20	21	89	127	56	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	9.30
	32	205	194.354	20	21	89	127	56			9.50
	33	211	200.408	20	21	89	127	56			9.70
	34	217	206.463	20	21	89	127	56			10.50
	35	223	212.518	20	21	89	127	56			11.00
	36	229	218.574	20	21	66	98	56			8.50
	38	241	230.687	20	21	66	98	56			9.00
	40	253	242.802	20	21	66	98	56			9.70
	42	266	254.917	23	24	75	107	56			11.00
	45	284	273.093	23	24	75	107	71			12.80
	48	302	291.270	23	24	75	107	71			14.00
	50	314	303.390	23	24	75	107	71			16.00
	54	338	327.630	23	24	75	107	71	Welded Specification	m Common Steel	18.00
	60	375	363.994	23	24	75	107	71			21.50
	65	405	394.301	28	29	75	107	71			24.00
	70	436	424.609	28	29	75	107	71			30.00

FBN80B

Order Product Code

FBN80B12D32

TYPE — No. of Teeth — ϕD^{H7}

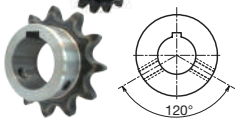
Sprocket No.

- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

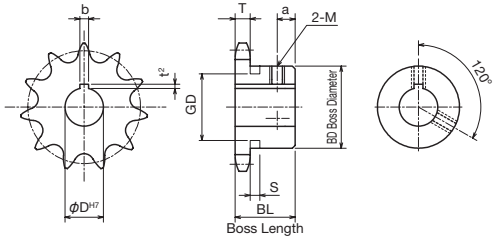
! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	10.4	44

Use together with the KANA machine key. Refer to P.334 to P.335



! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN80B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN80B9D25	9	25	8×3.3	8	85.0	74.265	★58	40	7	0.87
FBN80B9D28	9	28	8×3.3	8	85.0	74.265	★58	40	7	0.87
FBN80B9D30	9	30	8×3.3	8	85.0	74.265	★58	40	7	0.87
FBN80B9D32	9	32	10×3.3	8	85.0	74.265	★58	40	7	0.87
FBN80B9D35	9	35	10×3.3	8	85.0	74.265	★58	40	7	0.87
FBN80B10D25	10	25	8×3.3	8	93.0	82.196	52	40	12	1.02
FBN80B10D28	10	28	8×3.3	8	93.0	82.196	52	40	12	1.02
FBN80B10D30	10	30	8×3.3	8	93.0	82.196	52	40	12	1.02
FBN80B10D32	10	32	10×3.3	8	93.0	82.196	52	40	12	1.02
FBN80B11D25	11	25	8×3.3	8	102.0	90.156	60	40	12	1.25
FBN80B11D28	11	28	8×3.3	8	102.0	90.156	60	40	12	1.25
FBN80B11D30	11	30	8×3.3	8	102.0	90.156	60	40	12	1.25
FBN80B11D32	11	32	10×3.3	8	102.0	90.156	60	40	12	1.25
FBN80B11D35	11	35	10×3.3	8	102.0	90.156	60	40	12	1.25
FBN80B11D38	11	38	10×3.3	8	102.0	90.156	60	40	12	1.25
FBN80B12D25	12	25	8×3.3	8	110.0	98.138	67	40	12	1.60
FBN80B12D28	12	28	8×3.3	8	110.0	98.138	67	40	12	1.60
FBN80B12D30	12	30	8×3.3	8	110.0	98.138	67	40	12	1.60
FBN80B12D32	12	32	10×3.3	8	110.0	98.138	67	40	12	1.60
FBN80B12D35	12	35	10×3.3	8	110.0	98.138	67	40	12	1.60
FBN80B12D38	12	38	10×3.3	8	110.0	98.138	67	40	12	1.60
FBN80B12D40	12	40	12×3.3	8	110.0	98.138	67	40	12	1.60
FBN80B12D42	12	42	12×3.3	8	110.0	98.138	67	40	12	1.60
FBN80B12D45	12	45	14×3.8	10	110.0	98.138	67	40	12	1.60
FBN80B13D25	13	25	8×3.3	8	118.0	106.136	77	40	12	1.90
FBN80B13D28	13	28	8×3.3	8	118.0	106.136	77	40	12	1.90
FBN80B13D30	13	30	8×3.3	8	118.0	106.136	77	40	12	1.90
FBN80B13D32	13	32	10×3.3	8	118.0	106.136	77	40	12	1.90
FBN80B13D35	13	35	10×3.3	8	118.0	106.136	77	40	12	1.90
FBN80B13D38	13	38	10×3.3	8	118.0	106.136	77	40	12	1.90
FBN80B13D40	13	40	12×3.3	8	118.0	106.136	77	40	12	1.90
FBN80B13D42	13	42	12×3.3	8	118.0	106.136	77	40	12	1.90
FBN80B13D45	13	45	14×3.8	10	118.0	106.136	77	40	12	1.90
FBN80B13D48	13	48	14×3.8	10	118.0	106.136	77	40	12	1.90
FBN80B13D50	13	50	14×3.8	10	118.0	106.136	77	40	12	1.90
FBN80B14D25	14	25	8×3.3	8	127.0	114.147	77	40	12	2.15
FBN80B14D28	14	28	8×3.3	8	127.0	114.147	77	40	12	2.15
FBN80B14D30	14	30	8×3.3	8	127.0	114.147	77	40	12	2.15

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN80B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN80B14D32	14	32	10×3.3	8	127.0	114.147	77	40	12	2.15
FBN80B14D35	14	35	10×3.3	8	127.0	114.147	77	40	12	2.15
FBN80B14D38	14	38	10×3.3	8	127.0	114.147	77	40	12	2.15
FBN80B14D40	14	40	12×3.3	8	127.0	114.147	77	40	12	2.15
FBN80B14D42	14	42	12×3.3	8	127.0	114.147	77	40	12	2.15
FBN80B14D45	14	45	14×3.8	10	127.0	114.147	77	40	12	2.15
FBN80B14D48	14	48	14×3.8	10	127.0	114.147	77	40	12	2.15
FBN80B14D50	14	50	14×3.8	10	127.0	114.147	77	40	12	2.15
FBN80B15D25	15	25	8×3.3	8	135.0	122.167	93	40	12	2.30
FBN80B15D28	15	28	8×3.3	8	135.0	122.167	93	40	12	2.30
FBN80B15D30	15	30	8×3.3	8	135.0	122.167	93	40	12	2.30
FBN80B15D32	15	32	10×3.3	8	135.0	122.167	93	40	12	2.30
FBN80B15D35	15	35	10×3.3	8	135.0	122.167	93	40	12	2.30
FBN80B15D38	15	38	10×3.3	8	135.0	122.167	93	40	12	2.30
FBN80B15D40	15	40	12×3.3	8	135.0	122.167	93	40	12	2.30
FBN80B15D42	15	42	12×3.3	8	135.0	122.167	93	40	12	2.30
FBN80B15D45	15	45	14×3.8	10	135.0	122.167	93	40	12	2.30
FBN80B15D48	15	48	14×3.8	10	135.0	122.167	93	40	12	2.30
FBN80B15D50	15	50	14×3.8	10	135.0	122.167	93	40	12	2.30
FBN80B15D55	15	55	16×4.3	12	135.0	122.167	93	40	12	2.30
FBN80B15D60	15	60	18×4.4	12	135.0	122.167	93	40	12	2.30
FBN80B16D24	16	24	8×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D25	16	25	8×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D28	16	28	8×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D30	16	30	8×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D32	16	32	10×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D35	16	35	10×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D38	16	38	10×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D40	16	40	12×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D42	16	42	12×3.3	8	143.0	130.196	93	40	12	2.50
FBN80B16D45	16	45	14×3.8	10	143.0	130.196	93	40	12	2.50
FBN80B16D48	16	48	14×3.8	10	143.0	130.196	93	40	12	2.50
FBN80B16D50	16	50	14×3.8	10	143.0	130.196	93	40	12	2.50
FBN80B16D55	16	55	16×4.3	12	143.0	130.196	93	40	12	2.50
FBN80B16D60	16	60	18×4.4	12	143.0	130.196	93	40	12	2.50
FBN80B17D25	17	25	8×3.3	8	151.0	138.232	93	40	12	2.95
FBN80B17D28	17	28	8×3.3	8	151.0	138.232	93	40	12	2.95
FBN80B17D30	17	30	8×3.3	8	151.0	138.232	93	40	12	2.95

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN80B

FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN80B12D32

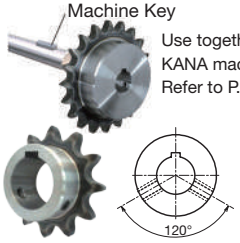
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

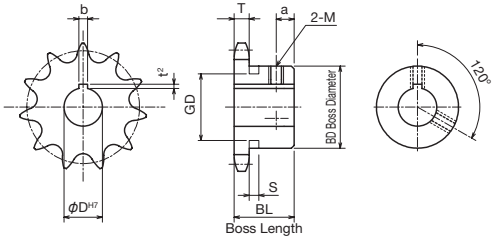
! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	10.4	44



Use together with the KANA machine key. Refer to P.334 to P.335

! $\phi D^{H7}\square$ mark setscrew is set at a location other than the keyway (figure at left).



TYPE FBN80B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN80B17D32	17	32	10×3.3	8	151.0	138.232	93	40	12	2.95
FBN80B17D35	17	35	10×3.3	8	151.0	138.232	93	40	12	2.95
FBN80B17D38	17	38	10×3.3	8	151.0	138.232	93	40	12	2.95
FBN80B17D40	17	40	12×3.3	8	151.0	138.232	93	40	12	2.95
FBN80B17D42	17	42	12×3.3	8	151.0	138.232	93	40	12	2.95
FBN80B17D45	17	45	14×3.8	10	151.0	138.232	93	40	12	2.95
FBN80B17D48	17	48	14×3.8	10	151.0	138.232	93	40	12	2.95
FBN80B17D50	17	50	14×3.8	10	151.0	138.232	93	40	12	2.95
FBN80B17D55	17	55	16×4.3	12	151.0	138.232	93	40	12	2.95
FBN80B17D60	17	60	18×4.4	12	151.0	138.232	93	40	12	2.95
FBN80B18D25	18	25	8×3.3	8	159.0	146.273	93	40	12	3.15
FBN80B18D28	18	28	8×3.3	8	159.0	146.273	93	40	12	3.15
FBN80B18D30	18	30	8×3.3	8	159.0	146.273	93	40	12	3.15
FBN80B18D32	18	32	10×3.3	8	159.0	146.273	93	40	12	3.15
FBN80B18D35	18	35	10×3.3	8	159.0	146.273	93	40	12	3.15
FBN80B18D38	18	38	10×3.3	8	159.0	146.273	93	40	12	3.15
FBN80B18D40	18	40	12×3.3	8	159.0	146.273	93	40	12	3.15
FBN80B18D42	18	42	12×3.3	8	159.0	146.273	93	40	12	3.15
FBN80B18D45	18	45	14×3.8	10	159.0	146.273	93	40	12	3.15
FBN80B18D48	18	48	14×3.8	10	159.0	146.273	93	40	12	3.15
FBN80B18D50	18	50	14×3.8	10	159.0	146.273	93	40	12	3.15
FBN80B18D55	18	55	16×4.3	12	159.0	146.273	93	40	12	3.15
FBN80B18D60	18	60	18×4.4	12	159.0	146.273	93	40	12	3.15
FBN80B19D25	19	25	8×3.3	8	167.0	154.319	93	40	12	3.40
FBN80B19D28	19	28	8×3.3	8	167.0	154.319	93	40	12	3.40
FBN80B19D30	19	30	8×3.3	8	167.0	154.319	93	40	12	3.40
FBN80B19D32	19	32	10×3.3	8	167.0	154.319	93	40	12	3.40
FBN80B19D35	19	35	10×3.3	8	167.0	154.319	93	40	12	3.40
FBN80B19D38	19	38	10×3.3	8	167.0	154.319	93	40	12	3.40
FBN80B19D40	19	40	12×3.3	8	167.0	154.319	93	40	12	3.40
FBN80B19D42	19	42	12×3.3	8	167.0	154.319	93	40	12	3.40
FBN80B19D45	19	45	14×3.8	10	167.0	154.319	93	40	12	3.40
FBN80B19D48	19	48	14×3.8	10	167.0	154.319	93	40	12	3.40
FBN80B19D50	19	50	14×3.8	10	167.0	154.319	93	40	12	3.40
FBN80B19D55	19	55	16×4.3	12	167.0	154.319	93	40	12	3.40
FBN80B19D60	19	60	18×4.4	12	167.0	154.319	93	40	12	3.40
FBN80B20D25	20	25	8×3.3	8	176.0	162.368	93	40	12	3.60
FBN80B20D28	20	28	8×3.3	8	176.0	162.368	93	40	12	3.60

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN80B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN80B20D30	20	30	8×3.3	8	176.0	162.368	93	40	12	3.60
FBN80B20D32	20	32	10×3.3	8	176.0	162.368	93	40	12	3.60
FBN80B20D35	20	35	10×3.3	8	176.0	162.368	93	40	12	3.60
FBN80B20D38	20	38	10×3.3	8	176.0	162.368	93	40	12	3.60
FBN80B20D40	20	40	12×3.3	8	176.0	162.368	93	40	12	3.60
FBN80B20D42	20	42	12×3.3	8	176.0	162.368	93	40	12	3.60
FBN80B20D45	20	45	14×3.8	10	176.0	162.368	93	40	12	3.60
FBN80B20D48	20	48	14×3.8	10	176.0	162.368	93	40	12	3.60
FBN80B20D50	20	50	14×3.8	10	176.0	162.368	93	40	12	3.60
FBN80B20D55	20	55	16×4.3	12	176.0	162.368	93	40	12	3.60
FBN80B20D60	20	60	18×4.4	12	176.0	162.368	93	40	12	3.60
FBN80B21D25	21	25	8×3.3	8	184.0	170.421	93	40	12	3.85
FBN80B21D28	21	28	8×3.3	8	184.0	170.421	93	40	12	3.85
FBN80B21D30	21	30	8×3.3	8	184.0	170.421	93	40	12	3.85
FBN80B21D32	21	32	10×3.3	8	184.0	170.421	93	40	12	3.85
FBN80B21D35	21	35	10×3.3	8	184.0	170.421	93	40	12	3.85
FBN80B21D38	21	38	10×3.3	8	184.0	170.421	93	40	12	3.85
FBN80B21D40	21	40	12×3.3	8	184.0	170.421	93	40	12	3.85
FBN80B21D42	21	42	12×3.3	8	184.0	170.421	93	40	12	3.85
FBN80B21D45	21	45	14×3.8	10	184.0	170.421	93	40	12	3.85
FBN80B21D48	21	48	14×3.8	10	184.0	170.421	93	40	12	3.85
FBN80B21D50	21	50	14×3.8	10	184.0	170.421	93	40	12	3.85
FBN80B21D55	21	55	16×4.3	12	184.0	170.421	93	40	12	3.85
FBN80B21D60	21	60	18×4.4	12	184.0	170.421	93	40	12	3.85
FBN80B22D35	22	35	10×3.3	8	192.0	178.478	107	45	12	5.00
FBN80B22D40	22	40	12×3.3	8	192.0	178.478	107	45	12	5.00
FBN80B22D45	22	45	14×3.8	10	192.0	178.478	107	45	12	5.00
FBN80B22D50	22	50	14×3.8	10	192.0	178.478	107	45	12	5.00
FBN80B22D55	22	55	16×4.3	12	192.0	178.478	107	45	12	5.00
FBN80B22D60	22	60	18×4.4	12	192.0	178.478	107	45	12	5.00
FBN80B22D70	22	70	20×4.9	16	192.0	178.478	107	45	12	5.00
FBN80B23D35	23	35	10×3.3	8	200.0	186.536	107	45	12	5.23
FBN80B23D40	23	40	12×3.3	8	200.0	186.536	107	45	12	5.23
FBN80B23D45	23	45	14×3.8	10	200.0	186.536	107	45	12	5.23
FBN80B23D50	23	50	14×3.8	10	200.0	186.536	107	45	12	5.23
FBN80B23D55	23	55	16×4.3	12	200.0	186.536	107	45	12	5.23
FBN80B23D60	23	60	18×4.4	12	200.0	186.536	107	45	12	5.23
FBN80B24D30	24	30	8×3.3	8	208.0	194.597	107	45	12	5.50

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN80B

Order Product Code

FBN80B12D32

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	10.4	44

TYPE FBN80B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN80B24D35	24	35	10×3.3	8	208.0	194.597	107	45	12	5.50
FBN80B24D40	24	40	12×3.3	8	208.0	194.597	107	45	12	5.50
FBN80B24D45	24	45	14×3.8	10	208.0	194.597	107	45	12	5.50
FBN80B24D50	24	50	14×3.8	10	208.0	194.597	107	45	12	5.50
FBN80B24D55	24	55	16×4.3	12	208.0	194.597	107	45	12	5.50
FBN80B24D60	24	60	18×4.4	12	208.0	194.597	107	45	12	5.50
FBN80B25D35	25	35	10×3.3	8	216.0	202.660	107	45	12	5.80
FBN80B25D40	25	40	12×3.3	8	216.0	202.660	107	45	12	5.80
FBN80B25D45	25	45	14×3.8	10	216.0	202.660	107	45	12	5.80
FBN80B25D50	25	50	14×3.8	10	216.0	202.660	107	45	12	5.80
FBN80B25D55	25	55	16×4.3	12	216.0	202.660	107	45	12	5.80
FBN80B25D60	25	60	18×4.4	12	216.0	202.660	107	45	12	5.80
FBN80B25D70	25	70	20×4.9	16	216.0	202.660	107	45	12	5.80
FBN80B26D35	26	35	10×3.3	8	224.0	210.724	107	45	12	6.10
FBN80B26D40	26	40	12×3.3	8	224.0	210.724	107	45	12	6.10
FBN80B26D45	26	45	14×3.8	10	224.0	210.724	107	45	12	6.10
FBN80B26D50	26	50	14×3.8	10	224.0	210.724	107	45	12	6.10
FBN80B26D55	26	55	16×4.3	12	224.0	210.724	107	45	12	6.10
FBN80B26D60	26	60	18×4.4	12	224.0	210.724	107	45	12	6.10
FBN80B27D50	27	50	14×3.8	10	233.0	218.790	107	45	12	6.40
FBN80B28D35	28	35	10×3.3	8	241.0	226.858	107	45	12	6.75
FBN80B28D40	28	40	12×3.3	8	241.0	226.858	107	45	12	6.75
FBN80B28D45	28	45	14×3.8	10	241.0	226.858	107	45	12	6.75
FBN80B28D50	28	50	14×3.8	10	241.0	226.858	107	45	12	6.75
FBN80B28D55	28	55	16×4.3	12	241.0	226.858	107	45	12	6.75
FBN80B28D60	28	60	18×4.4	12	241.0	226.858	107	45	12	6.75
FBN80B30D35	30	35	10×3.3	8	257.0	242.996	107	45	12	7.40
FBN80B30D40	30	40	12×3.3	8	257.0	242.996	107	45	12	7.40
FBN80B30D45	30	45	14×3.8	10	257.0	242.996	107	45	12	7.40
FBN80B30D50	30	50	14×3.8	10	257.0	242.996	107	45	12	7.40
FBN80B30D55	30	55	16×4.3	12	257.0	242.996	107	45	12	7.40
FBN80B30D60	30	60	18×4.4	12	257.0	242.996	107	45	12	7.40
FBN80B30D70	30	70	20×4.9	16	257.0	242.996	107	45	12	7.40
FBN80B32D40	32	40	12×3.3	8	273.0	259.138	107	45	12	8.15
FBN80B32D50	32	50	14×3.8	10	273.0	259.138	107	45	12	8.15
FBN80B36D60	36	60	18×4.4	12	306.0	291.432	117	50	12	10.60
FBN80B40D60	40	60	18×4.4	12	338.0	323.736	117	50	12	12.40

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

SUSFBN80B

SUS FBN Stainless Steel Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

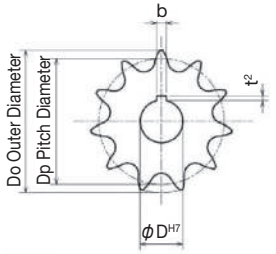
SUSFBN80B 15 D30

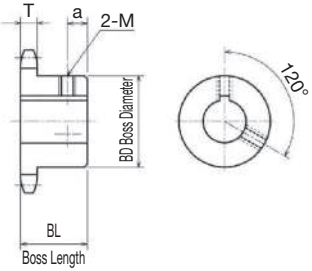
TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

Use together with the KANA machine key.
Refer to P.334 to P.335





TYPE SUSFBN80B

m Stainless Steel GB 304

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
SUSFBN80B10D25	10	25	8×3.3	8	93	82.19	52	40	12	1.02
SUSFBN80B10D30	10	30	8×3.3	8	93	82.19	52	40	12	1.02
SUSFBN80B12D25	12	25	8×3.3	8	110	98.14	67	40	12	1.60
SUSFBN80B12D30	12	30	8×3.3	8	110	98.14	67	40	12	1.60
SUSFBN80B13D25	13	25	8×3.3	8	118	106.14	77	40	12	1.90
SUSFBN80B13D30	13	30	8×3.3	8	118	106.14	77	40	12	1.90
SUSFBN80B14D25	14	25	8×3.3	8	127	114.15	77	40	12	2.15
SUSFBN80B14D30	14	30	8×3.3	8	127	114.15	77	40	12	2.15
SUSFBN80B15D25	15	25	8×3.3	8	135	122.17	93	40	12	2.30
SUSFBN80B15D30	15	30	8×3.3	8	135	122.17	93	40	12	2.30
SUSFBN80B16D30	16	30	8×3.3	8	143	130.20	93	40	12	2.50
SUSFBN80B16D35	16	35	10×3.3	8	143	130.20	93	40	12	2.50
SUSFBN80B20D35	20	35	10×3.3	8	176	162.37	93	40	12	3.60
SUSFBN80B20D40	20	40	12×3.3	8	176	162.37	93	40	12	3.60

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Caution ∗Products with long screw holes also include products subject to counter boring

FBN80SD

Order Product Code

FBN80SD 18 D40

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**
  (C) 45.4 mm

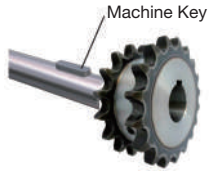
TYPE **FBN80SD**

m Carbon Structural Steel
h High-frequency Hardened Teeth

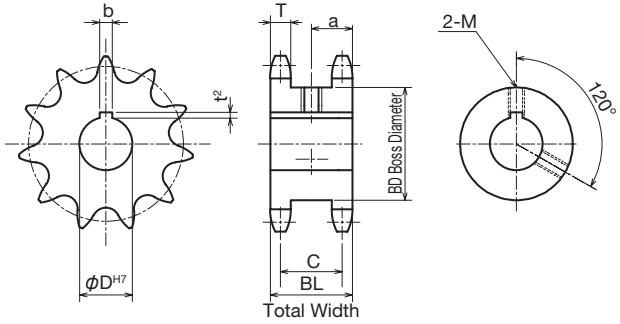
Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN80SD12D35	12	35	10×3.3	8	110.0	98.138	67	60	30	2.52
FBN80SD12D40	12	40	12×3.3	8	110.0	98.138	67	60	30	2.52
FBN80SD12D45	12	45	14×3.8	10	110.0	98.138	67	60	30	2.52
FBN80SD13D38	13	38	10×3.3	8	118.0	106.136	77	60	30	3.04
FBN80SD13D40	13	40	12×3.3	8	118.0	106.136	77	60	30	3.04
FBN80SD13D45	13	45	14×3.8	10	118.0	106.136	77	60	30	3.04
FBN80SD13D50	13	50	14×3.8	10	118.0	106.136	77	60	30	3.04
FBN80SD14D40	14	40	12×3.3	8	127.0	114.147	85	60	30	3.60
FBN80SD14D45	14	45	14×3.8	10	127.0	114.147	85	60	30	3.60
FBN80SD14D50	14	50	14×3.8	10	127.0	114.147	85	60	30	3.60
FBN80SD15D40	15	40	12×3.3	8	135.0	122.167	93	60	30	4.16
FBN80SD15D45	15	45	14×3.8	10	135.0	122.167	93	60	30	4.16
FBN80SD15D50	15	50	14×3.8	10	135.0	122.167	93	60	30	4.16
FBN80SD16D40	16	40	12×3.3	8	143.0	130.196	102	60	30	4.89
FBN80SD16D45	16	45	14×3.8	10	143.0	130.196	102	60	30	4.89
FBN80SD16D50	16	50	14×3.8	10	143.0	130.196	102	60	30	4.89
FBN80SD16D60	16	60	18×4.4	12	143.0	130.196	102	60	30	4.89
FBN80SD17D40	17	40	12×3.3	8	151.0	138.232	110	60	30	5.61
FBN80SD17D45	17	45	14×3.8	10	151.0	138.232	110	60	30	5.61
FBN80SD17D50	17	50	14×3.8	10	151.0	138.232	110	60	30	5.61
FBN80SD17D60	17	60	18×4.4	12	151.0	138.232	110	60	30	5.61

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN SD Finished Bore Sprocket Single-Double
New JIS Keyway Specification



Use together with the KANA machine key.
Refer to P.334 to P.335



TYPE **FBN80SD**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN80SD18D40	18	40	12×3.3	8	159.0	146.273	118	60	30	6.36
FBN80SD18D45	18	45	14×3.8	10	159.0	146.273	118	60	30	6.36
FBN80SD18D50	18	50	14×3.8	10	159.0	146.273	118	60	30	6.36
FBN80SD18D55	18	55	16×4.3	12	159.0	146.273	118	60	30	6.36
FBN80SD18D60	18	60	18×4.4	12	159.0	146.273	118	60	30	6.36
FBN80SD19D40	19	40	12×3.3	8	167.0	154.319	126	60	30	7.13
FBN80SD19D45	19	45	14×3.8	10	167.0	154.319	126	60	30	7.13
FBN80SD19D50	19	50	14×3.8	10	167.0	154.319	126	60	30	7.13
FBN80SD19D60	19	60	18×4.4	12	167.0	154.319	126	60	30	7.13
FBN80SD20D40	20	40	12×3.3	8	176.0	162.368	134	60	30	8.03
FBN80SD20D45	20	45	14×3.8	10	176.0	162.368	134	60	30	8.03
FBN80SD20D50	20	50	14×3.8	10	176.0	162.368	134	60	30	8.03
FBN80SD20D60	20	60	18×4.4	12	176.0	162.368	134	60	30	8.03
FBN80SD21D40	21	40	12×3.3	8	184.0	170.421	142	60	30	8.88
FBN80SD21D45	21	45	14×3.8	10	184.0	170.421	142	60	30	8.88
FBN80SD21D50	21	50	14×3.8	10	184.0	170.421	142	60	30	8.88
FBN80SD21D60	21	60	18×4.4	12	184.0	170.421	142	60	30	8.88

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

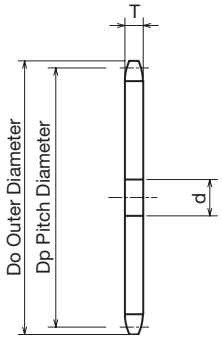
80A

Order Product Code

80A 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
80A	10	93	82.196	15	16	0.60
	11	102	90.156	15	16	0.73
	12	110	98.138	15	16	0.83
	13	118	106.136	16	17	1.00
	14	127	114.147	16	17	1.16
	15	135	122.167	20	21	1.30
	16	143	130.196	20	21	1.50
	17	151	138.232	20	21	1.70
	18	159	146.273	20	21	1.90
	19	167	154.319	20	21	2.10
	20	176	162.368	20	21	2.35
	21	184	170.421	20	21	2.57
	22	192	178.478	26	27	2.82
	23	200	186.536	26	27	3.10
	24	208	194.597	26	27	3.35
	25	216	202.660	26	27	3.65
	26	224	210.724	26	27	3.95
	27	233	218.790	26	27	4.25
	28	241	226.858	26	27	4.60
	29	249	234.926	26	27	4.93
	30	257	242.996	26	27	5.30
	31	265	251.067	26	27	5.63
	32	273	259.138	26	27	6.00
	33	281	267.211	26	27	6.40
	34	289	275.284	26	27	6.80
	35	297	283.358	26	27	7.20
	36	306	291.432	26	27	7.60
	37	314	299.507	26	27	8.00
	38	322	307.583	26	27	8.50
	39	330	315.659	26	27	8.90

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
80A	40	338	323.736	26	27	9.40
	41	346	331.813	26	27	9.90
	42	354	339.890	26	27	10.30
	43	362	347.968	26	27	10.80
	44	370	356.046	26	27	11.40
	45	378	364.124	26	27	11.90
	46	387	372.203	26	27	12.40
	47	395	380.281	26	27	12.95
	48	403	388.361	26	27	13.50
	49	411	396.440	26	27	14.08
	50	419	404.520	26	27	14.70
	52	435	420.680	26	27	15.86
	53	443	428.760	26	27	16.48
	54	451	436.840	26	27	17.10
	55	459	444.921	26	27	17.75
	56	468	453.002	26	27	18.40
	57	476	461.082	26	27	19.07
	58	484	469.164	26	27	19.75
	60	500	485.326	26	27	21.10
	64	532	517.652	26	27	24.05
	65	540	525.734	26	27	24.80
	66	548	533.816	26	27	25.58
	70	581	566.145	26	27	28.80
	75	621	606.558	26	27	33.10
	80	662	646.972	26	27	37.60
	90	743	727.804	26	27	47.60

HG80A

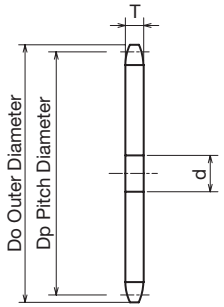
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG80A 20H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG80A	10H	93	82.196	15	16	0.60
	11H	102	90.156	15	16	0.73
	12H	110	98.138	15	16	0.83
	13H	118	106.136	16	17	1.00
	14H	127	114.147	16	17	1.16
	15H	135	122.167	20	21	1.30
	16H	143	130.196	20	21	1.50
	17H	151	138.232	20	21	1.70
	18H	159	146.273	20	21	1.90
	19H	167	154.319	20	21	2.10
	20H	176	162.368	20	21	2.35
	21H	184	170.421	20	21	2.57
	22H	192	178.478	26	27	2.82
	23H	200	186.536	26	27	3.10
	24H	208	194.597	26	27	3.35
	25H	216	202.660	26	27	3.65
	26H	224	210.724	26	27	3.95
	27H	233	218.790	26	27	4.25
	28H	241	226.858	26	27	4.60
	29H	249	234.926	26	27	4.93

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG80A	30H	257	242.996	26	27	5.30
	32H	273	259.138	26	27	6.00
	33H	281	267.211	26	27	6.40
	34H	289	275.284	26	27	6.80
	35H	297	283.358	26	27	7.20
	36H	306	291.432	26	27	7.60
	38H	322	307.583	26	27	8.50
	40H	338	323.736	26	27	9.40
	42H	354	339.890	26	27	10.30
	44H	370	356.046	26	27	11.40
	45H	378	364.124	26	27	11.90
	46H	387	372.203	26	27	12.40
	48H	403	388.361	26	27	13.50
	50H	419	404.520	26	27	14.70
	52H	435	420.680	26	27	15.86
	54H	451	436.840	26	27	17.10
	55H	459	444.921	26	27	17.75
	60H	500	485.326	26	27	21.10
	65H	540	525.734	26	27	24.80
	70H	581	566.145	26	27	28.80
	75H	621	606.558	26	27	33.10

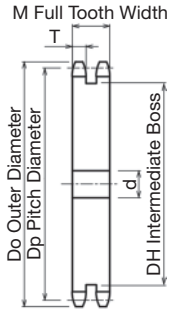
HG80-2A HG High-grade Sprocket with Hardened Teeth Two-row A-type

Order Product Code

HG80-2A 22H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.80-2**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.1 mm**
- Complete Tooth Width ..... **(M) 43.4 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		DH	M	Shape	Weight kg
				Prepared Hole	Minimum				
HG80-2A	22H	192	178.478	23	24	150	43.4	Ground Specification	7.49
	23H	200	186.536	23	24	159	43.4		8.28
	24H	208	194.597	23	24	167	43.4		9.04
	25H	216	202.660	23	24	175	43.4		9.88
	26H	224	210.724	23	24	183	43.4		10.73
	27H	233	218.790	23	24	191	43.4		11.61
	28H	241	226.858	23	24	199	43.4		12.57
	30H	257	242.996	23	24	215	43.4		14.55
	32H	273	259.138	28	29	232	43.4		16.66
	35H	297	283.358	28	29	256	43.4		20.09
	36H	306	291.432	28	29	264	43.4		21.28
	38H	322	307.583	28	29	280	43.4		23.84
	40H	338	323.736	33	34	297	43.4		26.53
	42H	354	339.890	33	34	313	43.4		29.27
	44H	370	356.046	33	34	329	43.4		32.31
	45H	378	364.124	33	34	337	43.4		32.78
	46H	387	372.203	33	34	345	43.4		35.34
	48H	403	388.361	33	34	361	43.4		38.56
	50H	419	404.520	33	34	378	43.4		42.05
	60H	500	485.326	33	34	459	43.4		61.04

MEMO

Sprocket Inspection Mini Memo

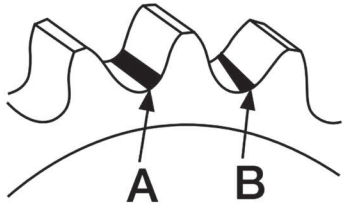
☐ Sprocket Inspection

(1) Check whether the engagement between the roller chain and the sprocket is normal, based on the contact condition of the roller and tooth surface. Normal engagement means that the contact surfaces make full contact, as in A. If it is biased like B, or if the tooth sides are making contact and being worn, the sprocket is not installed correctly or the roller chain is twisted, etc., and re-inspection or further correction is required.

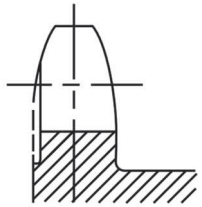
(2) It is normal for the contact position to be a little above the base of the tooth (valley). However, if initial tensile strength is applied and the deflection side becomes tense, there will be slight contact to the tooth base as well. However, the strongest contact position will be A.

(3) For idlers and tensioners, contact is made at the center of the tooth base.

A: Correct
B: Biased



Contact with tooth side, causing wear (improper mounting)

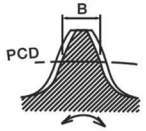


(4) The sprocket life is defined as when the tooth wear becomes similar to that shown in the following chart. For induction hardened sprocket tooth surfaces, life is reached when the hardened layer disappears.

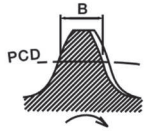
◇ Table/Tooth Thickness Tolerance/**B** Dimension

Roller Chain Size	B Dimension	
	General	Pin Gear
11		
15		
25	1.5	--
35	2.5	--
41	2.6	--
40	2.5	3.1
50	2.9	3.6
60	3.7	4.6
80	5.0	6.3
100	6.9	8.6
120	8.7	10.9
140	10.6	13.3
160	12.4	15.5
180	11.3	14.1
200	12.6	15.8
240	15.1	18.9

ISO-B Series Roller Chain Size	B Dimension Ordinary
06B	1.6
08B	2.1
10B	2.9
12B	3.6
16B	5.0
20B	6.8
24B	7.2



During Forward/Reverse



For One Direction Rotation

(5) If a new roller chain is used with a worn sprocket, rapid roller chain wear will occur, so a new sprocket should be installed.

NK80B

Order Product Code

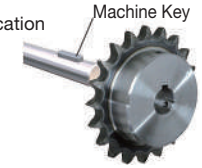
NK80B 20

TYPE No. of Teeth

Sprocket No.

Ground Specification

Welded Specification
(Black stain also mixed in)

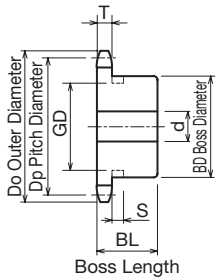


Machine Key

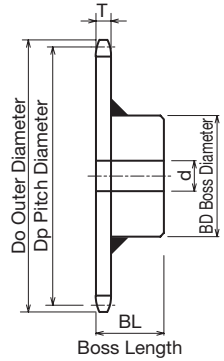
Use together with the KANA machine key. Refer to P.334 to P.335

- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK80B	8	77	66.373	14	15	22	★49	40	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	0.70
	9	85	74.265	14	15	35	★58	40			0.87
	10	93	82.196	15	16	32	52	40			1.02
	11	102	90.156	15	16	38	60	40			1.25
	12	110	98.138	15	16	45	67	40			1.60
	13	118	106.136	16	17	51	77	40			1.90
	14	127	114.147	16	17	51	77	40			2.15
	15	135	122.167	20	21	63	93	40			2.30
	16	143	130.196	20	21	63	93	40			2.50
	17	151	138.232	20	21	63	93	40			2.95
	18	159	146.273	20	21	63	93	40			3.15
	19	167	154.319	20	21	63	93	40			3.40
	20	176	162.368	20	21	63	93	40			3.60
	21	184	170.421	20	21	63	93	40			3.85
	22	192	178.478	26	27	75	107	45			5.00
	23	200	186.536	26	27	75	107	45			5.23
	24	208	194.597	26	27	75	107	45			5.50
	25	216	202.660	26	27	75	107	45			5.80
	26	224	210.724	26	27	75	107	45			6.10
	27	233	218.790	26	27	75	107	45			6.40
	28	241	226.858	26	27	75	107	45			6.75
	29	249	234.926	26	27	75	107	45			7.10
	30	257	242.996	26	27	75	107	45			7.40
	31	265	251.067	26	27	75	107	45			7.80
	32	273	259.138	26	27	75	107	45			8.15
	33	281	267.211	26	27	75	107	45			8.50
	34	289	275.284	26	27	75	107	45			8.90
	35	297	283.358	26	27	75	107	45			9.30



Ground Specification



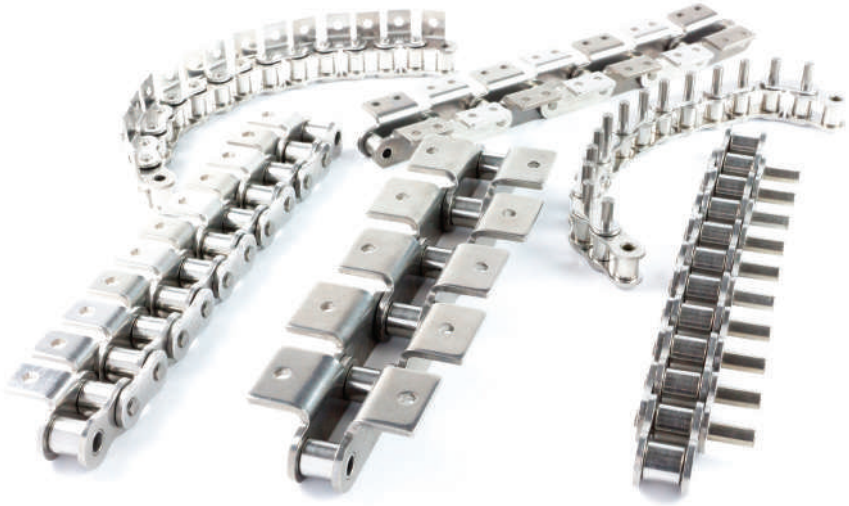
Welded Specification

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK80B	36	306	291.432	26	27	80	117	50	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	10.60
	37	314	299.507	26	27	80	117	50			11.00
	38	322	307.583	26	27	80	117	50			11.40
	39	330	315.659	26	27	80	117	50			11.90
	40	338	323.736	26	27	80	117	50			12.40
	41	346	331.813	26	27	80	117	50			12.80
	42	354	339.890	26	27	80	117	50			13.30
	43	362	347.968	26	27	80	117	50			13.80
	44	370	356.046	26	27	80	117	50			14.30
	45	378	364.124	26	27	80	117	50			14.90
	46	387	372.203	26	27	80	117	50	Welded Specification	m Common Steel	15.30
	47	395	380.281	26	27	80	117	50			15.70
	48	403	388.361	26	27	80	117	50			15.80
	50	419	404.520	26	27	80	117	50			17.65
	52	435	420.680	26	27	80	117	50			18.70
	53	443	428.760	26	27	80	117	50			19.30
	54	451	436.840	26	27	80	117	50			20.00
	55	459	444.921	26	27	80	117	50			20.60
	56	468	453.002	26	27	80	117	50			21.30
	58	484	469.164	26	27	80	117	50			22.55
	59	492	477.245	26	27	80	117	50			22.50
	60	500	485.326	26	27	80	117	50			23.10
	65	540	525.734	26	27	89	127	63			29.40
	70	581	566.145	26	27	89	127	63			32.10
	75	621	606.558	26	27	89	127	63			36.20
	80	662	646.972	26	27	95	137	71			42.90
	90	743	727.804	26	27	95	137	71			53.00

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
8	10.4	35
9		44

MEMO



K80B

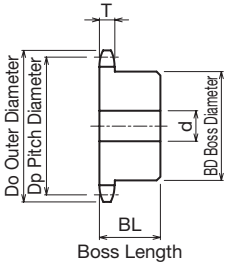
K Sprocket Former B-type

Order Product Code

K80B 15

TYPE No. of Teeth

Sprocket No.



- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
K80B	10	93	82.196	15	16	32	55	50	Ground Specification	1.50
	11	102	90.156	15	16	38	60	50		1.70
	12	110	98.138	15	16	46	69	50		1.90
	13	118	106.136	16	17	51	77	50		2.10
	14	127	114.147	16	17	55	80	50		2.40
	15	135	122.167	20	21	55	80	50		2.60
	16	143	130.196	20	21	55	80	50		3.00
	17	151	138.232	20	21	60	90	50		3.30
	18	159	146.273	20	21	60	90	50		3.50
	19	167	154.319	20	21	60	90	50		3.70
	20	176	162.368	20	21	60	90	50		4.30
	21	184	170.421	20	21	60	90	50		4.40

Use together with the KANA machine key. Refer to P.334 to P.335

SUS80B

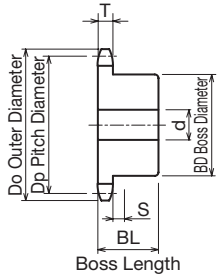
SUS Stainless Steel Sprocket B-type

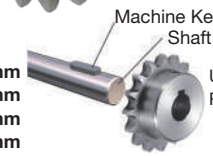
Order Product Code

SUS80B 20

TYPE — No. of Teeth

Sprocket No.





Use together with the KANA machine key.
Refer to P.334 to P.335

- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ... **(W) 15.88 mm**
- Roller Outside Diameter ... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

m Stainless Steel GB 304

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS80B	10	93	82.196	15	16	32	52	40	Ground Specification	1.02
	11	102	90.156	15	16	38	60	40		1.25
	12	110	98.138	15	16	45	67	40		1.60
	13	118	106.136	16	17	51	77	40		1.90
	14	127	114.147	16	17	51	77	40		2.15
	15	135	122.167	20	21	63	93	40		2.30
	16	143	130.196	20	21	63	93	40		2.50
	17	151	138.232	20	21	63	93	40		2.95
	18	159	146.273	20	21	63	93	40		3.15
	19	167	154.319	20	21	63	93	40		3.40
	20	176	162.368	20	21	63	93	40		3.60
	21	184	170.421	20	21	63	93	40		3.85
	22	192	178.478	26	27	63	93	45		5.00
	23	200	186.536	26	27	63	93	45		5.23
	24	208	194.597	26	27	63	93	45		5.50
	25	216	202.660	26	27	63	93	45		5.80
	26	224	210.724	26	27	63	93	45		6.10
	27	233	218.790	26	27	63	93	45		6.40
	28	241	226.858	26	27	63	93	45		6.75
	30	257	242.996	26	27	63	93	45		7.40
	32	273	259.138	26	27	63	93	45		8.15
	34	289	275.284	26	27	63	93	45		8.90
	35	297	283.358	26	27	63	93	45		9.30
	40	338	323.736	26	27	75	107	50		12.40

Caution

*Because teeth number 22 to 40 are being shifted from welding specification to grinding specification, the inventory is currently mixed.

80SD

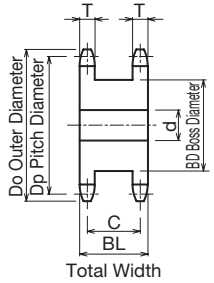
SD Single-Double Sprocket

Order Product Code

80SD 15

TYPE — No. of Teeth

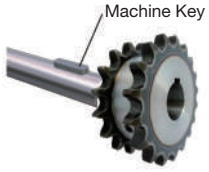
Sprocket No.



- Chain **No.80**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ... **(W) 15.88 mm**
- Roller Outside Diameter ... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm (C) 45.4mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
				Prepared Hole	Minimum	Maximum			
80SD	10	93	82.196	20	21	32	52	60	1.60
	11	102	90.156	20	21	40	60	60	2.04
	12	110	98.138	20	21	46	67	60	2.52
	13	118	106.136	20	21	51	77	60	3.04
	14	127	114.147	20	21	57	85	60	3.60
	15	135	122.167	20	21	63	93	60	4.16
	16	143	130.196	20	21	70	102	60	4.89
	17	151	138.232	20	21	75	110	60	5.61
	18	159	146.273	23	24	80	118	60	6.36
	19	167	154.319	23	24	80	126	60	7.13
	20	176	162.368	23	24	95	134	60	8.03
	21	184	170.421	23	24	95	142	60	8.88
	22	192	178.478	23	24	106	151	60	9.93
	23	200	186.536	23	24	110	159	60	10.94
	24	208	194.597	23	24	115	167	60	11.98
	25	216	202.660	23	24	124	175	60	13.08
	26	224	210.724	23	24	130	183	60	14.24
	27	233	218.790	23	24	135	191	60	15.50
	28	241	226.858	23	24	140	199	60	16.75
	29	249	234.926	23	24	148	207	60	18.04
	30	257	242.996	23	24	155	216	60	19.38



Use together with the KANA machine key. Refer to P.334 to P.335

NK80-2B

Order Product Code

NK80-2B 15

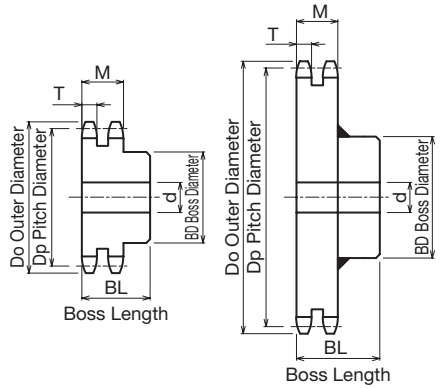
TYPE — No. of Teeth

Sprocket No.

Ground Specification

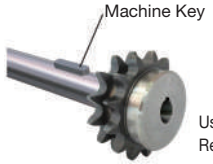
Welded Specification

(Black stain also mixed in)



Ground Specification — Welded Specification

- Chain **No.80-2**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ... **(W) 15.88 mm**
- Roller Outside Diameter ... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.1 mm**
- Complete Tooth Width ... **(M) 43.4 mm**



Use together with the KANA machine key.
Refer to P.334 to P.335

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK80-2B	10	93	82.196	20	21	35	58	63	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	2.00
	11	102	90.156	20	21	38	60	63			2.50
	12	110	98.138	20	21	46	69	63			2.70
	13	118	106.136	20	21	55	80	63			3.40
	14	127	114.147	20	21	60	88	63			3.90
	15	135	122.167	20	21	63	95	63			4.40
	16	143	130.196	20	21	66	100	71			5.40
	17	151	138.232	20	21	66	100	71			6.00
	18	159	146.273	23	24	80	120	71			7.50
	19	167	154.319	23	24	80	120	71			8.00
	20	176	162.368	23	24	89	130	71			9.00
	21	184	170.421	23	24	89	130	71			10.30
	22	192	178.478	23	24	80	117	71			11.00
	23	200	186.536	23	24	80	117	71			11.80
	24	208	194.597	23	24	80	117	80			12.60
	25	216	202.660	23	24	80	117	80			13.40
	26	224	210.724	23	24	80	117	80			14.30

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK80-2B	28	241	226.858	23	24	80	117	80	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	16.00
	30	257	242.996	23	24	80	117	80			18.30
	32	273	259.138	28	29	80	117	80			20.40
	35	297	283.358	28	29	80	117	80			23.90
	36	306	291.432	28	29	80	117	80			25.10
	37	314	299.507	28	35	80	117	80			26.10
	38	322	307.583	28	29	89	127	80			27.70
	40	338	323.736	33	34	89	127	90			30.40
	42	354	339.890	33	34	89	127	90	Welded Specification	m Common Steel	33.00
	45	378	364.124	33	34	89	127	90			37.50
	48	403	388.361	33	34	89	127	90			43.00
	50	419	404.520	33	34	89	127	90			46.00
	54	451	436.840	33	34	89	127	90			52.50
	60	500	485.326	33	34	89	127	90			64.00
	62	516	501.489	33	34	89	127	90			68.50
	65	540	525.734	33	34	89	127	90			73.50
	70	581	566.145	33	34	89	127	90			90.40

FBN100B

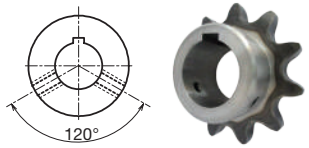
FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN100B12D30

TYPE — No. of Teeth — ϕD^{H7}

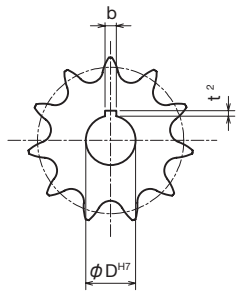
Sprocket No.

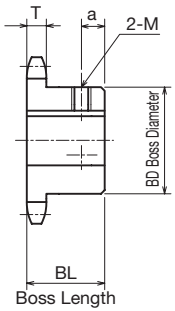


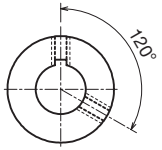
! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (above figure).

- Chain **No.100**
- Chain Pitch .....**(P) 31.75mm**
- Roller Link Inner Width ...**(W) 19.05mm**
- Roller Outside Diameter ...**(Dr) 19.05mm**
- Tooth Width .....**(T) 17.6 mm**

Use together with the KANA machine key.
Refer to P.334 to P.335







TYPE FBN100B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN100B10D25	10	25	8×3.3	8	117.0	102.745	65	50	16	1.90
FBN100B10D28	10	28	8×3.3	8	117.0	102.745	65	50	16	1.90
FBN100B10D30	10	30	8×3.3	8	117.0	102.745	65	50	16	1.90
FBN100B10D32	10	32	10×3.3	8	117.0	102.745	65	50	16	1.90
FBN100B10D35	10	35	10×3.3	8	117.0	102.745	65	50	16	1.90
FBN100B10D38	10	38	10×3.3	8	117.0	102.745	65	50	16	1.90
FBN100B10D40	10	40	12×3.3	8	117.0	102.745	65	50	16	1.90
FBN100B10D42	10	42	12×3.3	8	117.0	102.745	65	50	16	1.90
FBN100B11D25	11	25	8×3.3	8	127.0	112.696	75	50	16	2.30
FBN100B11D28	11	28	8×3.3	8	127.0	112.696	75	50	16	2.30
FBN100B11D30	11	30	8×3.3	8	127.0	112.696	75	50	16	2.30
FBN100B11D32	11	32	10×3.3	8	127.0	112.696	75	50	16	2.30
FBN100B11D35	11	35	10×3.3	8	127.0	112.696	75	50	16	2.30
FBN100B11D38	11	38	10×3.3	8	127.0	112.696	75	50	16	2.30
FBN100B11D40	11	40	12×3.3	8	127.0	112.696	75	50	16	2.30
FBN100B11D42	11	42	12×3.3	8	127.0	112.696	75	50	16	2.30
FBN100B11D45	11	45	14×3.8	10	127.0	112.696	75	50	16	2.30
FBN100B11D48	11	48	14×3.8	10	127.0	112.696	75	50	16	2.30
FBN100B11D50	11	50	14×3.8	10	127.0	112.696	75	50	16	2.30
FBN100B12D25	12	25	8×3.3	8	138.0	122.673	86	50	16	2.90
FBN100B12D28	12	28	8×3.3	8	138.0	122.673	86	50	16	2.90
FBN100B12D30	12	30	8×3.3	8	138.0	122.673	86	50	16	2.90
FBN100B12D32	12	32	10×3.3	8	138.0	122.673	86	50	16	2.90
FBN100B12D35	12	35	10×3.3	8	138.0	122.673	86	50	16	2.90
FBN100B12D38	12	38	10×3.3	8	138.0	122.673	86	50	16	2.90
FBN100B12D40	12	40	12×3.3	8	138.0	122.673	86	50	16	2.90
FBN100B12D42	12	42	12×3.3	8	138.0	122.673	86	50	16	2.90
FBN100B12D45	12	45	14×3.8	10	138.0	122.673	86	50	16	2.90

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN100B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN100B12D48	12	48	14×3.8	10	138.0	122.673	86	50	16	2.90
FBN100B12D50	12	50	14×3.8	10	138.0	122.673	86	50	16	2.90
FBN100B12D55	12	55	16×4.3	12	138.0	122.673	86	50	16	2.90
FBN100B13D25	13	25	8×3.3	8	148.0	132.670	94	50	16	3.10
FBN100B13D28	13	28	8×3.3	8	148.0	132.670	94	50	16	3.10
FBN100B13D30	13	30	8×3.3	8	148.0	132.670	94	50	16	3.10
FBN100B13D32	13	32	10×3.3	8	148.0	132.670	94	50	16	3.10
FBN100B13D35	13	35	10×3.3	8	148.0	132.670	94	50	16	3.10
FBN100B13D38	13	38	10×3.3	8	148.0	132.670	94	50	16	3.10
FBN100B13D40	13	40	12×3.3	8	148.0	132.670	94	50	16	3.10
FBN100B13D42	13	42	12×3.3	8	148.0	132.670	94	50	16	3.10
FBN100B13D45	13	45	14×3.8	10	148.0	132.670	94	50	16	3.10
FBN100B13D48	13	48	14×3.8	10	148.0	132.670	94	50	16	3.10
FBN100B13D50	13	50	14×3.8	10	148.0	132.670	94	50	16	3.10
FBN100B13D55	13	55	16×4.3	12	148.0	132.670	94	50	16	3.10
FBN100B13D60	13	60	18×4.4	12	148.0	132.670	94	50	16	3.10
FBN100B14D25	14	25	8×3.3	8	158.0	142.683	98	50	16	3.60
FBN100B14D28	14	28	8×3.3	8	158.0	142.683	98	50	16	3.60
FBN100B14D30	14	30	8×3.3	8	158.0	142.683	98	50	16	3.60
FBN100B14D32	14	32	10×3.3	8	158.0	142.683	98	50	16	3.60
FBN100B14D35	14	35	10×3.3	8	158.0	142.683	98	50	16	3.60
FBN100B14D38	14	38	10×3.3	8	158.0	142.683	98	50	16	3.60
FBN100B14D40	14	40	12×3.3	8	158.0	142.683	98	50	16	3.60
FBN100B14D42	14	42	12×3.3	8	158.0	142.683	98	50	16	3.60
FBN100B14D45	14	45	14×3.8	10	158.0	142.683	98	50	16	3.60
FBN100B14D48	14	48	14×3.8	10	158.0	142.683	98	50	16	3.60
FBN100B14D50	14	50	14×3.8	10	158.0	142.683	98	50	16	3.60
FBN100B14D55	14	55	16×4.3	12	158.0	142.683	98	50	16	3.60

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN100B

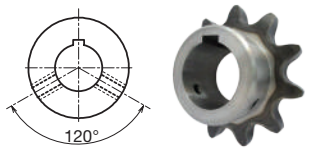
FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN100B12D30

TYPE — No. of Teeth — ϕD^{H7}

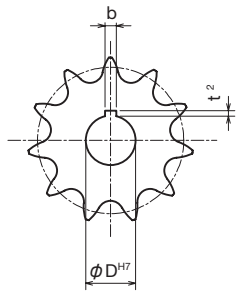
Sprocket No.

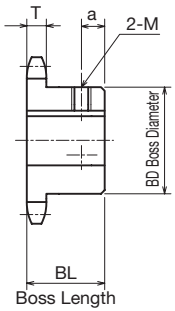


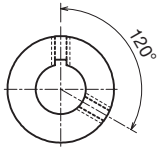
! ϕD^{H7}□ mark setscrew is set at a location other than the keyway (above figure).

- Chain No.100
- Chain Pitch .....(P) 31.75mm
- Roller Link Inner Width ...(W) 19.05mm
- Roller Outside Diameter ...(Dr) 19.05mm
- Tooth Width .....(T) 17.6 mm

Use together with the KANA machine key.
Refer to P.334 to P.335







TYPE FBN100B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN100B14D60	14	60	18×4.4	12	158.0	142.683	98	50	16	3.60
FBN100B15D32	15	32	10×3.3	8	168.0	152.709	98	50	16	4.20
FBN100B15D35	15	35	10×3.3	8	168.0	152.709	98	50	16	4.20
FBN100B15D38	15	38	10×3.3	8	168.0	152.709	98	50	16	4.20
FBN100B15D40	15	40	12×3.3	8	168.0	152.709	98	50	16	4.20
FBN100B15D42	15	42	12×3.3	8	168.0	152.709	98	50	16	4.20
FBN100B15D45	15	45	14×3.8	10	168.0	152.709	98	50	16	4.20
FBN100B15D48	15	48	14×3.8	10	168.0	152.709	98	50	16	4.20
FBN100B15D50	15	50	14×3.8	10	168.0	152.709	98	50	16	4.20
FBN100B15D55	15	55	16×4.3	12	168.0	152.709	98	50	16	4.20
FBN100B15D60	15	60	18×4.4	12	168.0	152.709	98	50	16	4.20
FBN100B15D65	15	65	18×4.4	12	168.0	152.709	98	50	16	4.20
FBN100B16D38	16	38	10×3.3	8	179.0	162.745	98	50	16	4.60
FBN100B16D45	16	45	14×3.8	10	179.0	162.745	98	50	16	4.60
FBN100B16D48	16	48	14×3.8	10	179.0	162.745	98	50	16	4.60
FBN100B16D50	16	50	14×3.8	10	179.0	162.745	98	50	16	4.60
FBN100B16D55	16	55	16×4.3	12	179.0	162.745	98	50	16	4.60
FBN100B16D60	16	60	18×4.4	12	179.0	162.745	98	50	16	4.60
FBN100B17D38	17	38	10×3.3	8	189.0	172.790	107	50	16	5.30
FBN100B17D45	17	45	14×3.8	10	189.0	172.790	107	50	16	5.30
FBN100B17D48	17	48	14×3.8	10	189.0	172.790	107	50	16	5.30
FBN100B17D50	17	50	14×3.8	10	189.0	172.790	107	50	16	5.30
FBN100B17D55	17	55	16×4.3	12	189.0	172.790	107	50	16	5.30
FBN100B17D60	17	60	18×4.4	12	189.0	172.790	107	50	16	5.30
FBN100B17D70	17	70	20×4.9	16	189.0	172.790	107	50	16	5.30
FBN100B18D35	18	35	10×3.3	8	199.0	182.841	107	50	16	5.70
FBN100B18D38	18	38	10×3.3	8	199.0	182.841	107	50	16	5.70

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN100B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN100B18D45	18	45	14×3.8	10	199.0	182.841	107	50	16	5.70
FBN100B18D50	18	50	14×3.8	10	199.0	182.841	107	50	16	5.70
FBN100B18D55	18	55	16×4.3	12	199.0	182.841	107	50	16	5.70
FBN100B18D60	18	60	18×4.4	12	199.0	182.841	107	50	16	5.70
FBN100B18D70	18	70	20×4.9	16	199.0	182.841	107	50	16	5.70
FBN100B19D38	19	38	10×3.3	8	209.0	192.898	107	50	16	6.10
FBN100B19D45	19	45	14×3.8	10	209.0	192.898	107	50	16	6.10
FBN100B19D50	19	50	14×3.8	10	209.0	192.898	107	50	16	6.10
FBN100B19D55	19	55	16×4.3	12	209.0	192.898	107	50	16	6.10
FBN100B19D60	19	60	18×4.4	12	209.0	192.898	107	50	16	6.10
FBN100B20D38	20	38	10×3.3	8	220.0	202.960	107	50	16	6.50
FBN100B20D45	20	45	14×3.8	10	220.0	202.960	107	50	16	6.50
FBN100B20D48	20	48	14×3.8	10	220.0	202.960	107	50	16	6.50
FBN100B20D50	20	50	14×3.8	10	220.0	202.960	107	50	16	6.50
FBN100B20D55	20	55	16×4.3	12	220.0	202.960	107	50	16	6.50
FBN100B20D60	20	60	18×4.4	12	220.0	202.960	107	50	16	6.50
FBN100B20D70	20	70	20×4.9	16	220.0	202.960	107	50	16	6.50
FBN100B21D45	21	45	14×3.8	10	230.0	213.027	107	50	16	7.00
FBN100B21D50	21	50	14×3.8	10	230.0	213.027	107	50	16	7.00
FBN100B21D55	21	55	16×4.3	12	230.0	213.027	107	50	16	7.00
FBN100B21D60	21	60	18×4.4	12	230.0	213.027	107	50	16	7.00
FBN100B22D60	22	60	18×4.4	12	240.0	223.097	117	56	16	7.90
FBN100B24D60	24	60	18×4.4	12	260.0	243.246	117	56	16	8.80
FBN100B24D70	24	70	20×4.9	16	260.0	243.246	117	56	16	8.80
FBN100B25D60	25	60	18×4.4	12	270.0	253.325	117	56	16	9.30
FBN100B30D60	30	60	18×4.4	12	321.0	303.745	117	56	16	12.10
FBN100B30D80	30	80	22×5.4	16	321.0	303.745	117	56	16	12.10

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

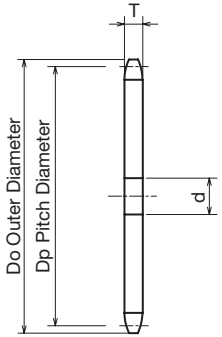
100A

Order Product Code

100A 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.100**
- Chain Pitch .....**(P) 31.75mm**
- Roller Link Inner Width ...**(W) 19.05mm**
- Roller Outside Diameter ...**(Dr) 19.05mm**
- Tooth Width .....**(T) 17.6 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
100A	10	117	102.745	20	21	1.10
	11	127	112.696	20	21	1.30
	12	138	122.673	20	21	1.60
	13	148	132.670	20	21	1.90
	14	158	142.683	20	21	2.15
	15	168	152.709	20	21	2.50
	16	179	162.745	20	21	2.83
	17	189	172.790	20	21	3.20
	18	199	182.841	20	21	3.60
	19	209	192.898	20	21	4.00
	20	220	202.960	20	21	4.40
	21	230	213.027	20	21	4.90
	22	240	223.097	26	27	5.35
	23	250	233.170	26	27	5.80
	24	260	243.246	26	27	6.40
	25	270	253.325	26	27	6.90
	26	281	263.405	26	27	7.50
	27	291	273.488	26	27	8.10
	28	301	283.572	26	27	8.70
	29	311	293.658	26	27	9.30
	30	321	303.745	26	27	10.00
	31	331	313.833	26	27	10.63
	32	341	323.923	26	27	11.35
	33	352	334.013	26	27	12.00
	34	362	344.105	26	27	12.80

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
100A	35	372	354.197	26	27	13.50
	36	382	364.290	26	27	14.40
	37	392	374.384	26	27	15.10
	38	402	384.479	26	27	16.00
	39	412	394.574	26	27	16.80
	40	422	404.669	26	27	17.70
	41	433	414.766	26	27	18.60
	42	443	424.862	26	27	19.50
	43	453	434.959	26	27	20.50
	44	463	445.057	26	27	21.45
	45	473	455.155	26	27	22.40
	46	483	465.253	26	27	23.40
	48	503	485.451	26	27	25.50
	50	524	505.650	26	27	27.70
	52	544	525.849	26	27	29.90
	54	564	546.050	26	27	32.30
	60	625	606.657	26	27	39.90
	65	675	657.168	26	27	46.80
	70	726	707.681	26	27	54.30
	75	777	758.197	30	31	62.30
	80	827	808.715	30	31	70.90
	90	928	909.755	30	31	89.58

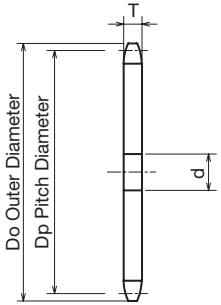
HG100A

Order Product Code

HG100A 20H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.100**
- Chain Pitch .....**(P) 31.75mm**
- Roller Link Inner Width ...**(W) 19.05mm**
- Roller Outside Diameter ...**(Dr) 19.05mm**
- Tooth Width .....**(T) 17.6 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG100A	10H	117	102.745	20	21	1.10
	11H	127	112.696	20	21	1.30
	12H	138	122.673	20	21	1.60
	13H	148	132.670	20	21	1.90
	14H	158	142.683	20	21	2.15
	15H	168	152.709	20	21	2.50
	16H	179	162.745	20	21	2.83
	17H	189	172.790	20	21	3.20
	18H	199	182.841	20	21	3.60
	19H	209	192.898	20	21	4.00
	20H	220	202.960	20	21	4.40
	21H	230	213.027	20	21	4.90
	22H	240	223.097	26	27	5.35
	23H	250	233.170	26	27	5.80
	24H	260	243.246	26	27	6.40
	25H	270	253.325	26	27	6.90
	26H	281	263.405	26	27	7.50
	27H	291	273.488	26	27	8.10
	28H	301	283.572	26	27	8.70
	29H	311	293.658	26	27	9.30

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG100A	30H	321	303.745	26	27	10.00
	32H	341	323.923	26	27	11.35
	33H	352	334.013	26	27	12.00
	34H	362	344.105	26	27	12.80
	35H	372	354.197	26	27	13.50
	36H	382	364.290	26	27	14.40
	38H	402	384.479	26	27	16.00
	40H	422	404.669	26	27	17.70
	42H	443	424.862	26	27	19.50
	44H	463	445.057	26	27	21.45
	45H	473	455.155	26	27	22.40
	46H	483	465.253	26	27	23.40
	48H	503	485.451	26	27	25.50
	50H	524	505.650	26	27	27.70
	52H	544	525.849	26	27	29.90
	54H	564	546.050	26	27	32.30
	55H	574	556.151	26	27	33.48
	60H	625	606.657	26	27	39.90
	65H	675	657.168	26	27	46.80
	70H	726	707.681	26	27	54.30
	75H	777	758.197	30	31	62.30

HG100-2A

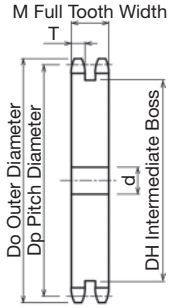
HG High-grade Sprocket with Hardened Teeth Two-row A-type

Order Product Code

HG100-2A 22H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.100-2**
- Chain Pitch .....**(P) 31.75mm**
- Roller Link Inner Width ...**(W) 19.05mm**
- Roller Outside Diameter ...**(Dr) 19.05mm**
- Tooth Width .....**(T) 17.0 mm**
- Complete Tooth Width ...**(M) 52.8 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		DH	M	Shape	Weight kg
				Prepared Hole	Minimum				
HG100-2A	22H	240	223.097	28	29	188	52.8	Ground Specification	14.17
	23H	250	233.170	28	29	199	52.8		15.62
	24H	260	243.246	33	34	209	52.8		17.11
	25H	270	253.325	33	34	219	52.8		18.65
	26H	281	263.405	33	34	229	52.8		20.25
	27H	291	273.488	33	34	239	52.8		21.93
	28H	301	283.572	33	34	249	52.8		23.67
	30H	321	303.745	33	34	270	52.8		27.41
	32H	341	323.923	33	34	290	52.8		31.35
	33H	352	334.013	33	34	300	52.8		33.41
	34H	362	344.105	33	34	310	52.8		35.55
	35H	372	354.197	33	34	320	52.8		37.76
	36H	382	364.290	33	34	330	52.8		40.02
	40H	422	404.669	33	34	371	52.8		49.84
	45H	473	455.155	33	34	422	52.8		63.59
	48H	503	485.451	33	34	452	52.8		72.58
	50H	524	505.650	33	34	472	52.8		78.90
	60H	625	606.657	33	34	573	52.8		114.60

MEMO

Sprocket Design Mini Memo

☐ Sprocket Shaft Hole Diameter and Boss Dimensions

After selecting the small sprocket (drive side sprocket), check whether the shaft hole is within the minimum and maximum predetermined size range.
If the predetermined shaft hole diameter is large, either increase the number of teeth or consider selecting an applicable chain with larger pitch.

In general, the following can be used to calculate sprocket boss dimensions.

Boss O.D. BD = d x α1 x α2
Boss Width BL = (1.0 to 1.2) d

d: Shaft diameter mm
α1: Shaft Diameter Coefficient
α2: Material Coefficient

Shaft Diameter Range	α_1
More than 8, 16 or less	2.00
More than 16, 22 or less	1.80
More than 22, 38 or less	1.65
More than 38, 60 or less	1.56
More than 60, 120 or less	1.50
More than 120, 250 or less	1.46

Material	α_2
Carbon Steel and Cast Iron	1.00
Cast Iron	1.12

NK100B/NK100C

Order Product Code

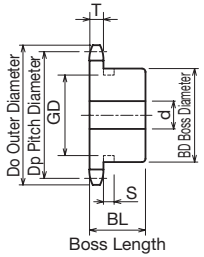
NK100B 20

TYPE — No. of Teeth

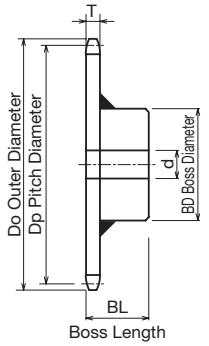
Sprocket No.

Ground Specification

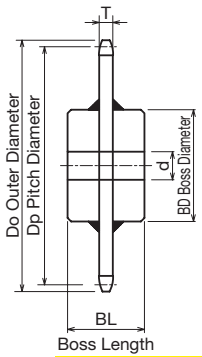
Welded Specification
(Black stain also mixed in)



B-Type Ground Specification



B-Type Welded Specification



C-Type WeldedSpecification

- Chain **No.100**
- Chain Pitch .....**(P) 31.75mm**
- Roller Link Inner Width ...**(W) 19.05mm**
- Roller Outside Diameter ...**(Dr) 19.05mm**
- Tooth Width .....**(T) 17.6 mm**

Sprocket No. TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d: Prepared Hole	Minimum	Maximum	BD	BL	Shape	Tooth Section	Weight kg
NK100B	9	106	92.831	20	21	40	★70	50	Ground Specification	H Carbon Structural Steel / High-frequency Hardened Teeth	1.6
	10	117	102.745	20	21	45	65	50			1.9
	11	127	112.696	20	21	51	75	50			2.3
	12	138	122.673	20	21	57	86	50			2.9
	13	148	132.670	20	21	63	94	50			3.1
	14	158	142.683	20	21	66	98	50			3.6
	15	168	152.709	20	21	66	98	50			4.2
	16	179	162.745	20	21	66	98	50			4.6
	17	189	172.790	20	21	75	107	50			5.3
	18	199	182.841	20	21	75	107	50			5.7
	19	209	192.898	20	21	75	107	50			6.1
	20	220	202.960	20	21	75	107	50			6.5
	21	230	213.027	20	21	75	107	50			7.0
	22	240	223.097	26	27	80	117	56			7.9
	23	250	233.170	26	27	80	117	56			8.5
	24	260	243.246	26	27	80	117	56			8.8
	25	270	253.325	26	27	80	117	56			9.3
	26	281	263.405	26	27	80	117	56			9.8
	27	291	273.488	26	27	80	117	56			10.3
	28	301	283.572	26	27	80	117	56			10.9
	29	311	293.658	26	27	80	117	56			11.5
	30	321	303.745	26	27	80	117	56			12.1

Carbon Structural Steel / High-frequency Hardened Teeth

Use together with the KANA machine key.
Refer to P.334 to P.335

Sprocket No. TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d: Prepared Hole	Minimum	Maximum	BD	BL	Shape	Tooth Section	Weight kg
NK100B	32	341	323.923	26	27	80	117	56	Ground Specification	H Carbon Structural Steel / High-frequency Hardened Teeth	14.5
	33	352	334.013	26	27	80	117	56			16.1
	34	362	344.105	26	27	80	117	56			16.6
	35	372	354.197	26	27	89	127	63			17.5
	36	382	364.290	26	27	89	127	63	Welded Specification	M Common Steel	18.0
	37	392	374.384	26	27	89	127	63			18.9
	38	402	384.479	26	27	89	127	63			19.5
	39	412	394.574	26	27	89	127	63			20.0
	40	422	404.669	26	27	89	127	63			20.4
	41	433	414.766	26	27	89	127	63			21.5
	42	443	424.862	26	27	89	127	63			22.6
	45	473	455.155	26	27	89	127	63			24.7
	47	493	475.352	26	27	89	127	63			26.7
	48	503	485.451	26	27	89	127	63			27.5
	50	524	505.650	26	27	89	127	63			30.0
	54	564	546.050	26	27	103	147	80			37.4
	55	574	556.151	26	27	103	147	80			41.6
	60	625	606.657	26	27	103	147	80			44.3
	65	675	657.168	26	27	103	147	80			54.5
NK100C	70	726	707.681	26	27	103	147	100	Welded Specification	M Common Steel	64.7
	75	777	758.197	30	31	103	147	100			72.7

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
9	11.5	55

100SD

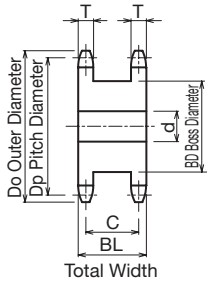
SD Single-Double Sprocket

Order Product Code

100SD 20

TYPE No. of Teeth

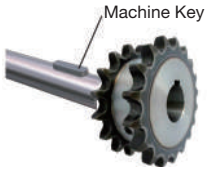
Sprocket No.



- Chain **No.100**
- Chain Pitch .....**(P) 31.75mm**
- Roller Link Inner Width ...**(W) 19.05mm**
- Roller Outside Diameter ...**(Dr) 19.05mm**
- Tooth Width .....**(T) 17.6 mm (C) 52.4mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
				Prepared Hole	Minimum	Maximum			
100SD	12	138	122.673	23	24	58	86	70	4.83
	13	148	132.670	23	24	65	96	70	5.82
	14	158	142.683	23	24	75	107	70	6.81
	15	168	152.709	28	29	80	117	70	7.98
	16	179	162.745	28	29	85	127	70	9.19
	17	189	172.790	28	29	96	137	70	9.92
	18	199	182.841	28	29	106	148	70	11.78
	19	209	192.898	28	29	110	158	70	13.24
	20	220	202.960	28	29	115	168	70	14.77
	21	230	213.027	28	29	125	178	70	15.87

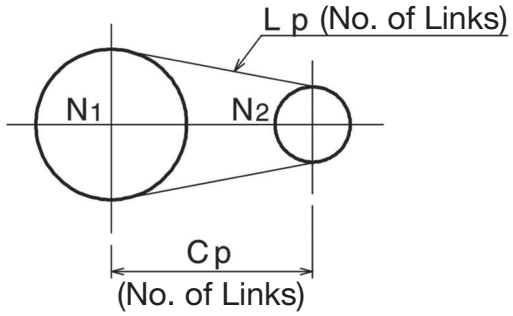


Use together with the KANA machine key.
Refer to P.334 to P.335

MEMO

Sprocket Design Mini Memo

Chain Length and Distance Between Sprocket Shaft Centers



Lp: Chain length expressed in no. of links
N1: Tooth number of large sprockets
N2: Tooth number of small sprockets
Cp: Distance between shaft centers expressed in no. of links

(1) Chain length calculation
(If number of sprocket teeth N1 and N2 as well as distance between shaft centers Cp is known)

$$Lp=\frac{N_1+N_2}{2}+2cp+\frac{\left(\frac{N_1-N_2}{6.28}\right)^2}{Cp}$$

∗Round up any decimals for Lp to the nearest integer.

(2) Distance between shaft centers calculation
(If number of sprocket teeth N1 and N2 as well as chain length Lp is known)

$$Cp=\frac{1}{8}\left\{2Lp-N_1-N_2+\sqrt{(2Lp-N_1-N_2)^2-\frac{8}{9.86}(N_1-N_2)^2}\right\}$$

⚠ Caution Point!

In general, a chain length that results in an odd number of links should be rounded up.
If the center distance must come out requiring an odd number of links, then the use of an offset link is essential.
However, whenever possible, manipulate the number of sprocket teeth or change the distance between shafts so that the number of links becomes an even number.

NK100-2B/NK100-2C

Standard Sprocket Two-row B-type/C-type

Order Product Code

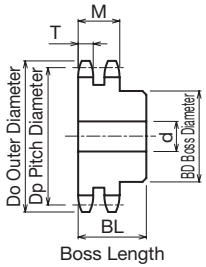
NK100-2B 15

TYPE — No. of Teeth

Sprocket No.

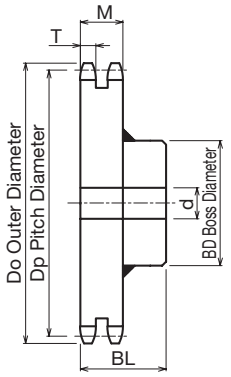
Ground Specification

Welded Specification
(Black stain also mixed in)



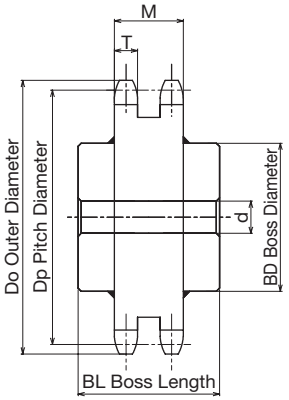
Boss Length

2-Row B-Type
Ground Specification



Boss Length

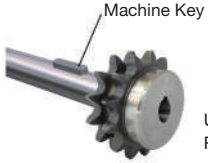
2-Row B-Type
Welded Specification



2-Row C-Type
Welded Specification

- Chain **No.100-2**
- Chain Pitch .....**(P) 31.75mm**
- Roller Link Inner Width ...**(W) 19.05mm**
- Roller Outside Diameter ...**(Dr) 19.05mm**
- Tooth Width .....**(T) 17.0 mm**
- Complete Tooth Width ...**(M) 52.8 mm**

Sprocket No. TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d Prepared Hole	Minimum	Maximum	BD	BL	Shape	Tooth Section	Weight kg
NK100-2B	10	117	102.745	23	24	46	70	80	Ground Specification	h High-frequency Hardened Teeth / B Carbon Structural Steel	3.50
	11	127	112.696	23	24	55	80	80			4.20
	12	138	122.673	23	24	60	90	80			5.00
	13	148	132.670	23	24	66	100	80			6.00
	14	158	142.683	23	24	75	110	80			7.00
	15	168	152.709	28	29	80	120	80			7.10
	16	179	162.745	28	29	89	130	80			7.70
	17	189	172.790	28	29	89	130	80			8.90
	18	199	182.841	28	29	89	130	80			9.60
	19	209	192.898	28	29	89	130	90			12.80
	20	220	202.960	28	29	89	130	90			13.50
	21	230	213.027	28	29	89	130	90			14.30
	22	240	223.097	28	29	89	127	90			19.35
	23	250	233.170	28	29	89	127	90			20.85
	24	260	243.246	33	34	95	137	90			22.62



Use together with the KANA machine key.
Refer to P.334 to P.335

Sprocket No. TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d Prepared Hole	Minimum	Maximum	BD	BL	Shape	Tooth Section	Weight kg
NK100-2B	25	270	253.325	33	34	95	137	90	Ground Specification	h High-frequency Hardened Teeth / B Carbon Structural Steel	24.25
	26	281	263.405	33	34	95	137	90			25.94
	28	301	283.572	33	34	95	137	90			29.52
	30	321	303.745	33	34	95	137	90			33.37
	32	341	323.923	33	34	95	137	90	Welded Specification	m Common Steel	37.48
	35	372	354.197	33	34	95	137	90			44.15
	36	382	364.290	33	34	95	137	90			46.50
	38	402	384.479	33	34	95	137	90			51.94
	40	422	404.669	33	34	103	147	100			58.46
	42	443	424.862	33	34	103	147	100			63.90
	45	473	455.155	33	34	103	147	100			72.56
	48	503	485.451	33	34	103	147	100			81.81
	50	524	505.650	33	34	103	147	100			88.31
	54	564	546.050	33	34	103	147	100			102.19
NK100-2C	60	625	606.657	33	34	103	147	125	Welded Specification	m Common Steel	127.87

FBN120B

Order Product Code

FBN120B13D45

TYPE — No. of Teeth — ϕD^{H7}

Sprocket No.

- Chain **No.120**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 22.23 mm**
- Tooth Width ..... **(T) 23.5 mm**

TYPE FBN120B

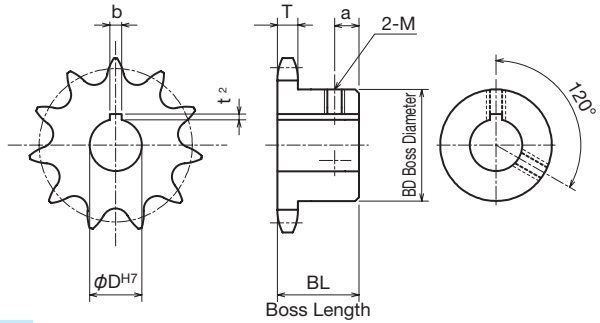
m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN120B13D45	13	45	14×3.8	10	177.0	159.204	98	56	16	5.30
FBN120B13D48	13	48	14×3.8	10	177.0	159.204	98	56	16	5.30
FBN120B13D50	13	50	14×3.8	10	177.0	159.204	98	56	16	5.30
FBN120B13D55	13	55	16×4.3	12	177.0	159.204	98	56	16	5.30
FBN120B13D60	13	60	18×4.4	12	177.0	159.204	98	56	16	5.30
FBN120B13D63	13	63	18×4.4	12	177.0	159.204	98	56	16	5.30
FBN120B14D45	14	45	14×3.8	10	190.0	171.220	107	56	16	6.30
FBN120B14D48	14	48	14×3.8	10	190.0	171.220	107	56	16	6.30
FBN120B14D50	14	50	14×3.8	10	190.0	171.220	107	56	16	6.30
FBN120B14D55	14	55	16×4.3	12	190.0	171.220	107	56	16	6.30
FBN120B14D60	14	60	18×4.4	12	190.0	171.220	107	56	16	6.30
FBN120B14D65	14	65	18×4.4	12	190.0	171.220	107	56	16	6.30
FBN120B14D70	14	70	20×4.9	16	190.0	171.220	107	56	16	6.30
FBN120B15D45	15	45	14×3.8	10	202.0	183.251	117	63	16	7.80
FBN120B15D48	15	48	14×3.8	10	202.0	183.251	117	63	16	7.80
FBN120B15D50	15	50	14×3.8	10	202.0	183.251	117	63	16	7.80
FBN120B15D55	15	55	16×4.3	12	202.0	183.251	117	63	16	7.80
FBN120B15D60	15	60	18×4.4	12	202.0	183.251	117	63	16	7.80
FBN120B15D70	15	70	20×4.9	16	202.0	183.251	117	63	16	7.80

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN Finished Bore Sprocket New JIS Keyway Specification

Use together with the KANA machine key.
Refer to P.334 to P.335



TYPE FBN120B

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN120B16D50	16	50	14×3.8	10	214.0	195.294	117	63	16	8.40
FBN120B16D60	16	60	18×4.4	12	214.0	195.294	117	63	16	8.40
FBN120B16D70	16	70	20×4.9	16	214.0	195.294	117	63	16	8.40
FBN120B17D60	17	60	18×4.4	12	227.0	207.347	117	63	16	9.10
FBN120B18D50	18	50	14×3.8	10	239.0	219.409	117	63	16	9.90
FBN120B18D60	18	60	18×4.4	12	239.0	219.409	117	63	16	9.90
FBN120B19D60	19	60	18×4.4	12	251.0	231.478	117	63	16	10.70
FBN120B20D50	20	50	14×3.8	10	263.0	243.552	127	63	16	12.10
FBN120B20D60	20	60	18×4.4	12	263.0	243.552	127	63	16	12.10
FBN120B20D70	20	70	20×4.9	16	263.0	243.552	127	63	16	12.10
FBN120B21D50	21	50	14×3.8	10	276.0	255.632	127	63	16	13.00
FBN120B21D60	21	60	18×4.4	12	276.0	255.632	127	63	16	13.00
FBN120B25D70	25	70	20×4.9	16	324.0	303.990	127	63	16	16.20

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

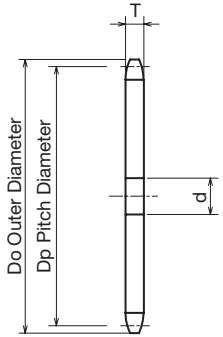
120A

Order Product Code

120A 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.120**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 22.23 mm**
- Tooth Width ..... **(T) 23.5 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
120A	10	140	123.294	23	24	2.16
	11	153	135.235	25	26	2.60
	12	165	147.207	25	26	3.10
	13	177	159.204	25	26	3.60
	14	190	171.220	25	26	4.20
	15	202	183.251	25	26	4.80
	16	214	195.294	25	26	5.50
	17	227	207.347	25	26	6.20
	18	239	219.409	25	26	6.95
	19	251	231.478	25	26	7.70
	20	263	243.552	25	26	8.55
	21	276	255.632	25	26	9.40
	22	288	267.716	26	27	10.30
	23	300	279.804	26	27	11.30
	24	312	291.895	26	27	12.30
	25	324	303.990	26	27	13.30
	26	337	316.086	26	27	14.40
	27	349	328.185	26	27	15.50
	28	361	340.287	26	27	16.70
	29	373	352.389	26	27	17.80

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
120A	30	385	364.494	26	27	19.20
	31	398	376.600	30	31	20.40
	32	410	388.708	30	31	21.80
	33	422	400.816	30	31	23.20
	34	434	412.926	30	31	24.60
	35	446	425.037	30	31	26.10
	36	458	437.148	30	31	27.60
	38	483	461.374	30	31	30.80
	40	507	485.603	30	31	34.10
	42	531	509.835	30	31	37.60
	44	556	534.068	30	31	41.20
	45	568	546.186	30	31	43.10
	46	580	558.304	30	31	45.10
	48	604	582.541	30	31	49.00
	50	628	606.779	30	31	53.30
	54	677	655.260	30	31	62.10
	60	750	727.989	30	31	76.70
	70	871	849.218	30	31	104.30
	75	932	909.837	30	31	119.80
	80	993	970.458	30	31	136.30

HG120A

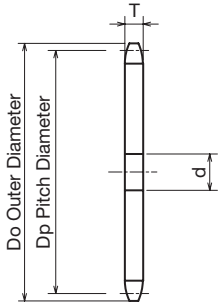
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG120A 20H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.120**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 22.23 mm**
- Tooth Width ..... **(T) 23.5 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG120A	10H	140	123.294	23	24	2.16
	11H	153	135.235	25	26	2.60
	12H	165	147.207	25	26	3.10
	13H	177	159.204	25	26	3.60
	14H	190	171.220	25	26	4.20
	15H	202	183.251	25	26	4.80
	16H	214	195.294	25	26	5.50
	17H	227	207.347	25	26	6.20
	18H	239	219.409	25	26	6.95
	19H	251	231.478	25	26	7.70
	20H	263	243.552	25	26	8.55
	21H	276	255.632	25	26	9.40
	22H	288	267.716	26	27	10.30
	23H	300	279.804	26	27	11.30
	24H	312	291.895	26	27	12.30
	25H	324	303.990	26	27	13.30
	26H	337	316.086	26	27	14.40
	27H	349	328.185	26	27	15.50
	28H	361	340.287	26	27	16.70
	29H	373	352.389	26	27	17.80

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG120A	30H	385	364.494	26	27	19.20
	32H	410	388.708	30	31	21.80
	34H	434	412.926	30	31	24.60
	35H	446	425.037	30	31	26.10
	36H	458	437.148	30	31	27.60
	38H	483	461.374	30	31	30.80
	40H	507	485.603	30	31	34.10
	42H	531	509.835	30	31	37.60
	44H	556	534.068	30	31	41.20
	45H	568	546.186	30	31	43.10
	46H	580	558.304	30	31	45.10
	48H	604	582.541	30	31	49.00
	50H	628	606.779	30	31	53.30
	52H	653	631.019	30	31	57.70
	54H	677	655.260	30	31	62.10
	55H	689	667.381	30	31	69.40
	60H	750	727.989	30	31	76.70
	65H	811	788.601	30	31	90.50
	70H	871	849.218	30	31	104.30
	75H	932	909.837	30	31	119.80

HG120-2A

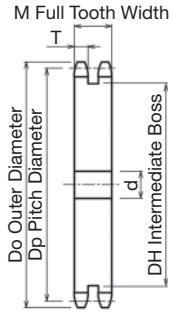
HG High-grade Sprocket with Hardened Teeth Two-row A-type

Order Product Code

HG120-2A 22H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.120-2**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 22.23 mm**
- Tooth Width ..... **(T) 22.7 mm**
- Complete Tooth Width ..... **(M) 68.1 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		DH	M	Shape	Weight kg
				Prepared Hole	Minimum				
HG120-2A	22H	288	267.716	33	34	226	68.1	Ground Specification	26.74
	24H	312	291.895	33	34	251	68.1		32.19
	25H	324	303.990	33	34	263	68.1		35.05
	28H	361	340.287	33	34	299	68.1		44.41
	30H	385	364.494	33	34	324	68.1		51.35
	32H	410	388.708	33	34	348	68.1		58.69
	35H	446	425.037	33	34	384	68.1		70.62
	40H	507	485.603	38	39	445	68.1		93.08
	50H	628	606.779	38	39	567	68.1		147.28
	52H	653	631.019	38	39	591	68.1		159.54

NK120B/NK120C

Standard Sprocket B-type/C-type

Order Product Code

NK120B 20

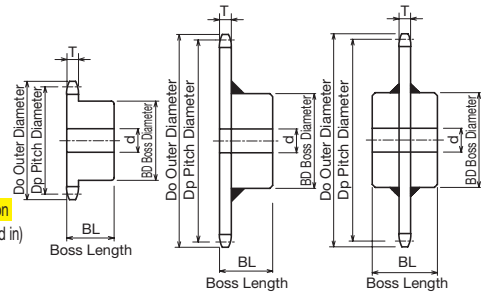
TYPE — No. of Teeth

Sprocket No.

Ground Specification

Welded Specification

(Black stain also mixed in)



- Chain **No.120**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 22.23 mm**
- Tooth Width ..... **(T) 23.5 mm**

Sprocket No. TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
NK120B	10	140	123.294	23	24	51	78	56	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	3.20
	11	153	135.235	25	26	60	91	56			4.00
	12	165	147.207	25	26	66	98	56			4.80
	13	177	159.204	25	26	66	98	56			5.30
	14	190	171.220	25	26	75	107	56			6.30
	15	202	183.251	25	26	80	117	63			7.80
	16	214	195.294	25	26	80	117	63			8.40
	17	227	207.347	25	26	80	117	63			9.10
	18	239	219.409	25	26	80	117	63			9.90
	19	251	231.478	25	26	80	117	63			10.70
	20	263	243.552	25	26	89	127	63			12.10
	21	276	255.632	25	26	89	127	63			13.00
	22	288	267.716	26	27	89	127	63			13.40
	23	300	279.804	26	27	89	127	63			14.50
	24	312	291.895	26	27	89	127	63			15.20
	25	324	303.990	26	27	89	127	63			16.20
	26	337	316.086	26	27	89	127	63			17.20
	28	361	340.287	26	27	95	137	71			20.90
	30	385	364.494	26	27	95	137	71			23.20
	32	410	388.708	30	31	95	137	71	Welded Specification	m Common Steel	25.70
	33	422	400.816	30	31	95	137	71			28.40
	34	434	412.926	30	31	95	137	71			29.00
	35	446	425.037	30	31	95	137	71			29.70
	36	458	437.148	30	31	95	137	71			32.00
	38	483	461.374	30	31	95	137	71			35.00
	40	507	485.603	30	31	103	147	80			38.20
	42	531	509.835	30	31	103	147	80			42.00
	45	568	546.186	30	31	103	147	80			47.60
	48	604	582.541	30	31	103	147	80			53.00
	50	628	606.779	30	31	103	147	80			58.00
NK120C	54	677	655.260	30	31	103	147	100	Welded Specification	m Common Steel	65.20
	60	750	727.989	30	31	103	167	100			78.00

NK120-2B/NK120-2C

Order Product Code

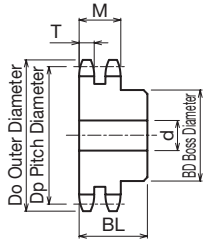
NK120-2B 15

TYPE — No. of Teeth

Sprocket No.

Ground Specification

Welded Specification
(Black stain also mixed in)

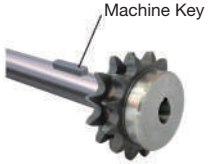


Boss Length

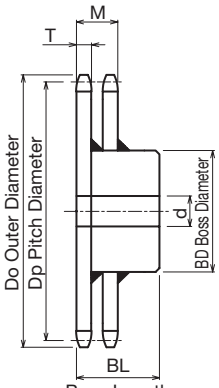
2-Row B-Type
Ground Specification

- Chain **No.120-2**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 22.23 mm**
- Tooth Width ..... **(T) 22.7 mm**
- Complete Tooth Width ..... **(M) 68.1 mm**

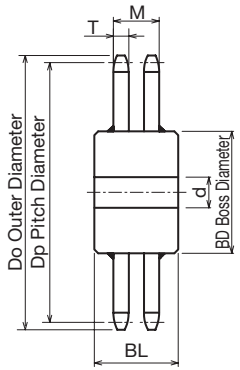
Sprocket No. TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d Prepared Hole	Minimum	Maximum	BD	BL	Shape	Tooth Section	Weight kg
NK120-2B	10	140	123.294	26	27	55	80	100	Ground Specification	h High-frequency Hardened Teeth / m Carbon Structural Steel	8.00
	11	153	135.235	26	27	60	90	100			8.70
	12	165	147.207	28	29	66	100	100			9.20
	13	177	159.204	28	29	75	115	100			10.90
	14	190	171.220	28	29	80	120	100			11.40
	15	202	183.251	33	34	80	120	100			13.20
	16	214	195.294	33	34	95	140	100			16.50
	17	227	207.347	33	34	95	140	100			19.00
	18	239	219.409	33	34	103	150	100			21.00
	19	251	231.478	33	34	103	150	100			23.00
	20	263	243.552	33	34	103	150	100			26.00
	21	276	255.632	33	34	103	150	100			28.00



Use together with the KANA machine key.
Refer to P.334 to P.335



Boss Length
2-Row B-Type
Welded Specification



Boss Length
2-Row C-Type
Welded Specification

Sprocket No. TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d Prepared Hole	Minimum	Maximum	BD	BL	Shape	Tooth Section	Weight kg
NK120-2B	22	288	267.716	33	34	103	147	100	Welded Specification	m Common Steel	30.00
	23	300	279.804	33	34	103	147	100			31.00
	24	312	291.895	33	34	110	157	100			32.00
	25	324	303.990	33	34	110	157	100			33.00
	26	337	316.086	33	34	110	157	100			35.00
	28	361	340.287	33	34	110	157	100			39.00
	30	385	364.494	33	34	110	157	100			43.90
	32	410	388.708	33	34	110	157	100			47.00
	35	446	425.037	33	34	110	157	100			56.80
	36	458	437.148	38	39	110	157	100			60.00
	38	483	461.374	38	39	110	157	100			67.00
NK120-2C	40	507	485.603	38	39	125	177	140	Welded Specification	m Common Steel	84.30
	42	531	509.835	38	39	125	177	140			87.00
	45	568	546.186	38	39	125	177	140			98.50
	48	604	582.541	38	39	125	177	140			104.00
	50	628	606.779	38	39	125	177	140			115.00
	54	677	655.260	38	39	125	177	140			121.00
	60	750	727.989	38	39	125	177	160			131.60

140A

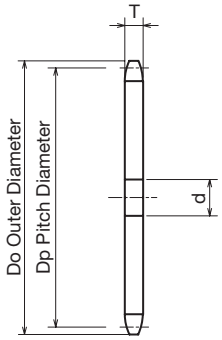
Standard Sprocket A-type

Order Product Code

140A 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.140**
- Chain Pitch ..... **(P) 44.45 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 25.40 mm**
- Tooth Width ..... **(T) 23.5 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
140A	10	163	143.843	26	27	2.90
	11	178	157.774	26	27	3.60
	12	193	171.742	26	27	4.20
	13	207	185.738	26	27	4.90
	14	221	199.756	26	27	5.70
	15	236	213.793	26	27	6.60
	16	250	227.843	26	27	7.50
	17	264	241.905	26	27	8.40
	18	279	255.977	26	27	9.40
	19	293	270.057	26	27	10.50
	20	307	284.145	26	27	11.60
	21	322	298.238	26	27	12.80
	22	336	312.336	30	31	14.10
	23	350	326.438	30	31	15.30
	24	364	340.545	30	31	16.70
	25	379	354.655	30	31	18.10
	26	393	368.767	30	31	19.60
	28	421	397.001	30	31	23.00
	30	450	425.243	30	31	26.00
	32	478	453.492	30	31	29.70
	35	521	495.876	30	31	35.60
	38	563	538.270	30	31	41.90
	40	591	566.537	30	31	46.40
	42	620	594.807	30	31	51.10
	45	662	637.217	30	31	58.80
	48	705	679.631	30	31	66.90
	50	733	707.909	30	31	72.50
	54	790	764.470	35	36	84.60
	60	875	849.320	35	36	104.00

HG140A

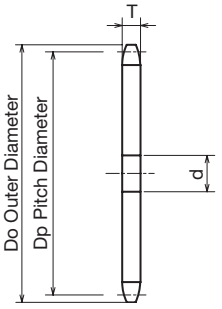
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG140A 20H

TYPE No. of Teeth

Sprocket No.



- Chain **No.140**
- Chain Pitch ..... **(P) 44.45 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 25.40 mm**
- Tooth Width ..... **(T) 23.5 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG140A	10H	163	143.843	26	27	2.90
	11H	178	157.774	26	27	3.60
	12H	193	171.742	26	27	4.20
	13H	207	185.738	26	27	4.90
	14H	221	199.756	26	27	5.70
	15H	236	213.793	26	27	6.60
	16H	250	227.843	26	27	7.50
	17H	264	241.905	26	27	8.40
	18H	279	255.977	26	27	9.40
	19H	293	270.057	26	27	10.50
	20H	307	284.145	26	27	11.60
	21H	322	298.238	26	27	12.80
	22H	336	312.336	30	31	14.10
	23H	350	326.438	30	31	15.30
	24H	364	340.545	30	31	16.70
	25H	379	354.655	30	31	18.10
	26H	393	368.767	30	31	19.60
	27H	407	382.883	30	31	21.20
	28H	421	397.001	30	31	22.80
	30H	450	425.243	30	31	26.00
	32H	478	453.492	30	31	29.70
	35H	521	495.876	30	31	35.60
	38H	563	538.270	30	31	41.90
	40H	591	566.537	30	31	46.40
	45H	662	637.217	30	31	58.80
	48H	705	679.631	30	31	66.90
	50H	733	707.909	30	31	72.50
	60H	875	849.320	35	36	104.00

HG140-2A

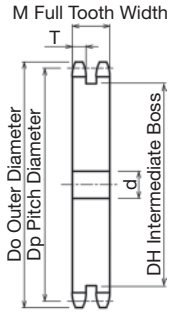
HG High-grade Sprocket with Hardened Teeth Two-row A-type

Order Product Code

HG140-2A 18H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.140-2**
- Chain Pitch ..... **(P) 44.45 mm**
- Roller Link Inner Width ..... **(W) 25.40 mm**
- Roller Outside Diameter ..... **(Dr) 25.40 mm**
- Tooth Width ..... **(T) 22.7 mm**
- Complete Tooth Width ..... **(M) 71.6 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		DH	M	Shape	Weight kg
				Prepared Hole	Minimum				
HG140-2A	15H	236	213.793	38	39	164	71.6	Ground Specification	16.66
	16H	250	227.843	38	39	178	71.6		19.17
	18H	279	255.977	38	39	207	71.6		24.77
	20H	307	284.145	38	39	235	71.6		31.01
	22H	336	312.336	38	39	264	71.6		38.04
	24H	364	340.545	38	39	292	71.6		45.68
	25H	379	354.655	38	39	307	71.6		49.87
	28H	421	397.001	38	39	349	71.6		63.19
	30H	450	425.243	38	39	378	71.6		73.07

NK140B/NK140C

Standard Sprocket B-type/C-type

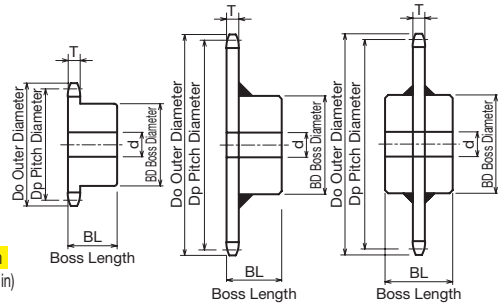
Order Product Code

NK140B 20

TYPE — No. of Teeth

Sprocket No.

Ground Specification | Welded Specification (Black stain also mixed in)



B-Type Ground Specification | B-Type Welded Specification | C-Type Welded Specification

- Chain **No.140**
- Chain Pitch ..... **(P) 44.45 mm**
- Roller Link Inner Width ... **(W) 25.40 mm**
- Roller Outside Diameter ... **(Dr) 25.40 mm**
- Tooth Width ..... **(T) 23.5 mm**

Sprocket No. TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg	Shape	Tooth Section
				Prepared Hole	Minimum	Maximum					
NK140B	10	163	143.843	26	27	66	98	56	4.90	Ground Specification	h High-frequency Hardened Teeth / m Carbon Structural Steel
	11	178	157.774	26	27	70	106	56	5.50		
	12	193	171.742	26	27	80	117	56	6.60		
	13	207	185.738	26	27	80	117	63	7.90		
	14	221	199.756	26	27	89	127	63	9.30		
	15	236	213.793	26	27	89	127	63	10.10		
	16	250	227.843	26	27	89	127	63	11.00		
	17	264	241.905	26	27	89	127	63	12.00		
	18	279	255.977	26	27	89	127	63	13.00		
	19	293	270.057	26	27	95	137	71	15.60		
	20	307	284.145	26	27	95	137	71	16.70		
	21	322	298.238	26	27	95	137	71	17.90		
	22	336	312.336	30	31	95	137	71	18.40	Welded Specification	m Common Steel
	23	350	326.438	30	31	95	137	71	20.10		
	24	364	340.545	30	31	95	137	71	20.90		
	25	379	354.655	30	31	103	147	80	24.10		
	26	393	368.767	30	31	103	147	80	25.50		
	27	407	382.883	30	31	103	147	80	28.20		
	28	421	397.001	30	31	103	147	80	30.10		
	30	450	425.243	30	31	103	147	80	31.50		
	32	478	453.492	30	31	103	147	80	36.00		
	35	521	495.876	30	31	110	157	90	42.90		
	36	535	510.007	30	31	110	157	90	47.40		
	38	563	538.270	30	31	110	157	90	51.00		
	40	591	566.537	30	31	110	157	90	53.10		
	42	620	594.807	30	31	110	157	90	60.00		
NK140C	45	662	637.217	30	31	118	167	100	68.00	Welded Specification	m Common Steel
	48	705	679.631	30	31	118	167	100	75.00		
	50	733	707.909	30	31	118	167	100	85.30		
	54	790	764.470	35	36	118	167	100	97.40		
	60	875	849.320	35	36	118	167	112	119.30		

160A

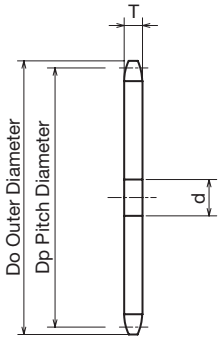
Standard Sprocket A-type

Order Product Code

160A 20

TYPE No. of Teeth

Sprocket No.



- Chain **No.160**
- Chain Pitch ..... **(P) 50.80 mm**
- Roller Link Inner Width ..... **(W) 31.75 mm**
- Roller Outside Diameter ..... **(Dr) 28.58 mm**
- Tooth Width ..... **(T) 29.4 mm**

m Common Steel

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
160A	10	187	164.392	26	27	4.85
	11	204	180.313	26	27	5.85
	12	220	196.276	26	27	6.90
	13	237	212.272	26	27	8.10
	14	253	228.293	26	27	9.40
	15	269	244.335	30	31	10.80
	16	286	260.392	30	31	12.25
	17	302	276.463	30	31	13.80
	18	319	292.546	30	31	15.50
	19	335	308.637	30	31	17.20
	20	351	324.737	30	31	19.00
	21	368	340.843	30	31	21.00
	22	384	356.955	35	36	23.00
	23	400	373.072	35	36	25.10
	24	416	389.194	35	36	27.40
	25	433	405.319	35	36	29.70
	26	449	421.448	35	36	32.10
	28	481	453.715	35	36	37.20
	30	514	485.992	35	36	42.70
	32	546	518.277	35	36	48.70
	35	595	566.716	35	36	58.10
	38	644	615.166	35	36	68.50
	40	676	647.471	35	36	75.10
	45	757	728.248	35	36	96.00
	48	806	776.721	35	36	109.00
	50	838	809.039	35	36	118.50
	54	903	873.680	35	36	138.20
	60	1,000	970.652	35	36	170.00

HG160A

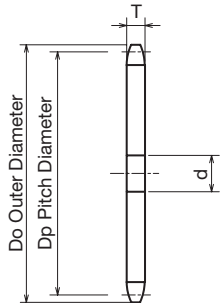
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG160A 20H

TYPE No. of Teeth

Sprocket No.



- Chain **No.160**
- Chain Pitch ..... **(P) 50.80 mm**
- Roller Link Inner Width ..... **(W) 31.75 mm**
- Roller Outside Diameter ..... **(Dr) 28.58 mm**
- Tooth Width ..... **(T) 29.4 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG160A	10H	187	164.392	26	27	4.85
	11H	204	180.313	26	27	5.85
	12H	220	196.276	26	27	6.90
	13H	237	212.272	26	27	8.10
	14H	253	228.293	26	27	9.40
	15H	269	244.335	30	31	10.80
	16H	286	260.392	30	31	12.25
	17H	302	276.463	30	31	13.80
	18H	319	292.546	30	31	15.50
	19H	335	308.637	30	31	17.20
	20H	351	324.737	30	31	19.00
	21H	368	340.843	30	31	21.00
	22H	384	356.955	35	36	23.00
	23H	400	373.072	35	36	25.10
	24H	416	389.194	35	36	27.40
	25H	433	405.319	35	36	29.70
	26H	449	421.448	35	36	32.10
	27H	465	437.581	35	36	34.80
	28H	481	453.715	35	36	37.30
	30H	514	485.992	35	36	42.70
	32H	546	518.277	35	36	48.70
	35H	595	566.716	35	36	58.10
	38H	644	615.166	35	36	68.50
	40H	676	647.471	35	36	75.10
	45H	757	728.248	35	36	96.00
	48H	806	776.721	35	36	109.00
	50H	838	809.039	35	36	118.50
	60H	1,000	970.652	35	36	170.00

HG160-2A

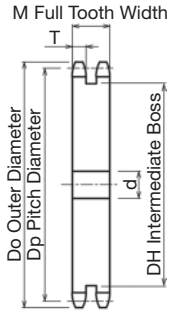
HG High-grade Sprocket with Hardened Teeth Two-row A-type

Order Product Code

HG160-2A 18H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.160-2**
- Chain Pitch ..... **(P) 50.80 mm**
- Roller Link Inner Width ..... **(W) 31.75 mm**
- Roller Outside Diameter ..... **(Dr) 28.58 mm**
- Tooth Width ..... **(T) 28.4 mm**
- Complete Tooth Width ..... **(M) 86.9 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		DH	M	Shape	Weight kg
				Prepared Hole	Minimum				
HG160-2A	13H	237	212.272	38	39	155	86.9	Ground Specification	19.67
	14H	253	228.293	38	39	171	86.9		23.10
	15H	269	244.335	38	39	187	86.9		26.81
	16H	286	260.392	38	39	204	86.9		30.87
	17H	302	276.463	38	39	220	86.9		35.14
	18H	319	292.546	38	39	237	86.9		39.78
	19H	335	308.637	38	39	253	86.9		44.61
	20H	351	324.737	38	39	269	86.9		49.71
	21H	368	340.843	38	39	285	86.9		55.10
	22H	384	356.955	38	39	302	86.9		60.88
	26H	449	421.448	38	39	367	86.9		86.46
	30H	514	485.992	38	39	432	86.9		116.53

NK160B/NK160C

Standard Sprocket B-type/C-type

Order Product Code

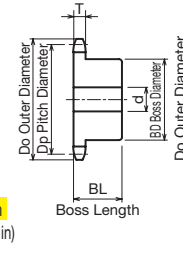
NK160B 20

TYPE — No. of Teeth

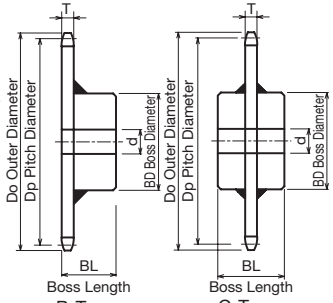
Sprocket No.

Ground Specification

Welded Specification
(Black stain also mixed in)



B-Type
Ground Specification



B-Type
Welded Specification

C-Type
Welded Specification

- Chain **No.160**
- Chain Pitch ..... **(P) 50.80 mm**
- Roller Link Inner Width ... **(W) 31.75 mm**
- Roller Outside Diameter ... **(Dr) 28.58 mm**
- Tooth Width ..... **(T) 29.4 mm**

Sprocket No.		Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg	Shape	Tooth Section
TYPE	No. of Teeth			Prepared Hole	Minimum	Maximum					
NK160B	10	187	164.392	26	27	70	105	63	6.80	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth
	11	204	180.313	26	27	80	117	63	8.30		
	12	220	196.276	26	27	89	127	63	9.90		
	13	237	212.272	26	27	95	137	71	12.50		
	14	253	228.293	26	27	95	137	71	13.80		
	15	269	244.335	30	31	95	137	71	15.20		
	16	286	260.392	30	31	103	147	71	17.40		
	17	302	276.463	30	31	103	147	71	18.90		
	18	319	292.546	30	31	103	147	71	20.60		
	19	335	308.637	30	31	103	147	71	22.30		
	20	351	324.737	30	31	103	147	71	24.20		
	21	368	340.843	30	31	103	147	71	26.10		
	22	384	356.955	35	36	118	167	80	30.20	Welded Specification	m Common Steel
	24	416	389.194	35	36	118	167	80	34.40		
	25	433	405.319	35	36	118	167	80	36.60		
	26	449	421.448	35	36	118	167	80	38.90		
	30	514	485.992	35	36	118	167	100	52.30		
	32	546	518.277	35	36	118	167	100	59.00		
	35	595	566.716	35	36	118	167	100	66.90		
NK160C	40	676	647.471	35	36	118	167	112	88.00	Welded Specification	m Common Steel
	45	757	728.248	35	36	132	187	125	115.00		
	48	806	776.721	35	36	132	187	125	128.00		
	50	838	809.039	35	36	132	187	125	138.70		
	54	903	873.680	35	36	132	187	125	158.40		
	60	1,000	970.652	35	36	132	187	125	190.80		

HG180A

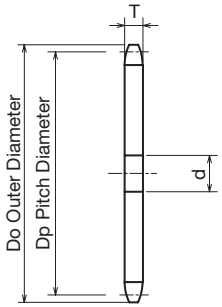
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG180A 20H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.180**
- Chain Pitch ..... **(P) 57.15 mm**
- Roller Link Inner Width ..... **(W) 35.72 mm**
- Roller Outside Diameter ..... **(Dr) 35.71 mm**
- Tooth Width ..... **(T) 33 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG180A	12H	248	220.811	35	36	9.90
	14H	285	256.830	35	36	13.39
	15H	303	274.876	35	36	15.33
	16H	322	292.941	35	36	17.42
	17H	340	311.021	35	36	19.63
	18H	358	329.114	35	36	21.98
	20H	395	365.329	35	36	27.09
	21H	413	383.448	35	36	29.84
	22H	432	401.574	35	36	32.73
	24H	468	437.843	35	36	38.91
	25H	487	455.984	35	36	42.20
	30H	578	546.741	35	36	60.67
	32H	615	583.061	35	36	68.99
	35H	669	637.555	35	36	82.50
	38H	724	692.062	35	36	97.20

HG200A

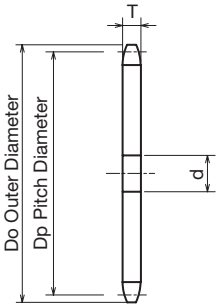
HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG200A 20H

TYPE — No. of Teeth

Sprocket No.



- Chain **No.200**
- Chain Pitch ..... **(P) 63.50 mm**
- Roller Link Inner Width ..... **(W) 38.10 mm**
- Roller Outside Diameter ..... **(Dr) 39.68 mm**
- Tooth Width ..... **(T) 35.3 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Teeth	Do	Dp	Shaft Hole Diameter d		Weight kg
				Prepared Hole	Minimum	
HG200A	11H	254	225.391	35	36	10.70
	12H	275	245.345	35	36	12.80
	13H	296	265.340	35	36	15.00
	14H	316	285.366	35	36	17.40
	15H	337	305.418	35	36	20.00
	16H	357	325.490	35	36	22.70
	17H	378	345.579	35	36	25.80
	18H	398	365.682	35	36	28.90
	19H	419	385.796	35	36	32.10
	20H	439	405.921	35	36	35.60
	21H	459	426.054	35	36	39.20
	22H	480	446.194	35	36	43.00
	24H	520	486.492	35	36	51.10
	25H	541	506.649	35	36	55.60
	26H	561	526.811	35	36	60.10
	28H	602	567.144	35	36	69.70
	30H	642	607.490	35	36	79.90
	32H	683	647.846	35	36	91.10
	35H	744	708.395	35	36	109.00
	40H	845	809.339	35	36	142.00
	45H	946	910.310	40	41	180.00

FBN2040B

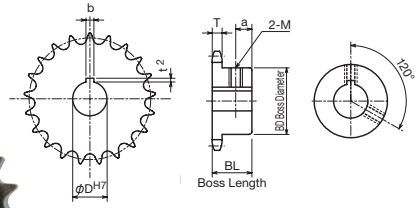
FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

Order Product Code

FBN2040B91/2D20

TYPE — No. of Active Teeth — ϕD^{H7}

Sprocket No.



- Chain **No.C2040**
- Chain Pitch .....**(P) 25.4mm**
- Roller Link Inner Width .....**(W) 7.95mm**
- Roller Outside Diameter .....**(Dr) 7.92mm**
- Tooth Width .....**(T) 7.2 mm**

TYPE **FBN2040B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Active Teeth	Actual No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2040B91/2D20	9 1/2	19	20	6×2.8	6	84.0	154.319	60	25	7	0.61
FBN2040B91/2D25	9 1/2	19	25	8×3.3	8	84.0	154.319	60	25	7	0.61
FBN2040B91/2D30	9 1/2	19	30	8×3.3	8	84.0	154.319	60	25	7	0.61
FBN2040B91/2D35	9 1/2	19	35	10×3.3	8	84.0	154.319	60	25	7	0.61
FBN2040B91/2D40	9 1/2	19	40	12×3.3	8	84.0	154.319	60	25	7	0.61
FBN2040B101/2D20	10 1/2	21	20	6×2.8	6	92.0	170.421	69	25	7	0.82
FBN2040B101/2D25	10 1/2	21	25	8×3.3	8	92.0	170.421	69	25	7	0.82
FBN2040B101/2D30	10 1/2	21	30	8×3.3	8	92.0	170.421	69	25	7	0.82
FBN2040B101/2D35	10 1/2	21	35	10×3.3	8	92.0	170.421	69	25	7	0.82
FBN2040B101/2D40	10 1/2	21	40	12×3.3	8	92.0	170.421	69	25	7	0.82
FBN2040B111/2D20	11 1/2	23	20	6×2.8	6	100.0	186.536	77	25	7	0.98
FBN2040B111/2D25	11 1/2	23	25	8×3.3	8	100.0	186.536	77	25	7	0.98
FBN2040B111/2D30	11 1/2	23	30	8×3.3	8	100.0	186.536	77	25	7	0.98
FBN2040B111/2D35	11 1/2	23	35	10×3.3	8	100.0	186.536	77	25	7	0.98
FBN2040B111/2D40	11 1/2	23	40	12×3.3	8	100.0	186.536	77	25	7	0.98
FBN2040B121/2D20	12 1/2	25	20	6×2.8	6	108.0	202.660	63	25	7	0.83
FBN2040B121/2D25	12 1/2	25	25	8×3.3	8	108.0	202.660	63	25	7	0.83
FBN2040B121/2D30	12 1/2	25	30	8×3.3	8	108.0	202.660	63	25	7	0.83
FBN2040B121/2D35	12 1/2	25	35	10×3.3	8	108.0	202.660	63	25	7	0.83
FBN2040B121/2D40	12 1/2	25	40	12×3.3	8	108.0	202.660	63	25	7	0.83

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335

FBN2050B

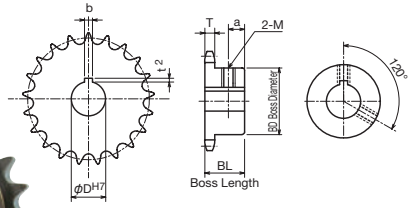
FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

Order Product Code

FBN2050B91/2D20

TYPE — No. of Active Teeth — ϕD^{H7}

Sprocket No.



- Chain **No.C2050**
- Chain Pitch .....**(P) 31.75 mm**
- Roller Link Inner Width .....**(W) 9.53 mm**
- Roller Outside Diameter .....**(Dr) 10.16 mm**
- Tooth Width .....**(T) 8.7 mm**

TYPE **FBN2050B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Active Teeth	Actual No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2050B71/2D36	7 1/2	15	36	10×3.3	8	84.0	152.709	54	25	8	0.55
FBN2050B91/2D20	9 1/2	19	20	6×2.8	6	105.0	192.898	73	28	8	1.06
FBN2050B91/2D25	9 1/2	19	25	8×3.3	8	105.0	192.898	73	28	8	1.06
FBN2050B91/2D30	9 1/2	19	30	8×3.3	8	105.0	192.898	73	28	8	1.06
FBN2050B91/2D35	9 1/2	19	35	10×3.3	8	105.0	192.898	73	28	8	1.06
FBN2050B101/2D20	10 1/2	21	20	6×2.8	6	115.0	213.027	73	28	8	1.16
FBN2050B101/2D25	10 1/2	21	25	8×3.3	8	115.0	213.027	73	28	8	1.16
FBN2050B101/2D30	10 1/2	21	30	8×3.3	8	115.0	213.027	73	28	8	1.16
FBN2050B101/2D35	10 1/2	21	35	10×3.3	8	115.0	213.027	73	28	8	1.16
FBN2050B111/2D20	11 1/2	23	20	6×2.8	6	125.0	233.170	73	28	8	1.27
FBN2050B111/2D25	11 1/2	23	25	8×3.3	8	125.0	233.170	73	28	8	1.27
FBN2050B111/2D30	11 1/2	23	30	8×3.3	8	125.0	233.170	73	28	8	1.27
FBN2050B111/2D35	11 1/2	23	35	10×3.3	8	125.0	233.170	73	28	8	1.27
FBN2050B121/2D25	12 1/2	25	25	8×3.3	8	135.0	253.325	73	28	8	1.40
FBN2050B121/2D30	12 1/2	25	30	8×3.3	8	135.0	253.325	73	28	8	1.40
FBN2050B121/2D35	12 1/2	25	35	10×3.3	8	135.0	253.325	73	28	8	1.40

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335

FBN2060B

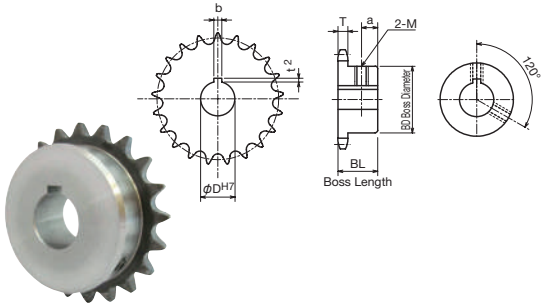
FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

Order Product Code

FBN2060B91/2D25

TYPE — No. of Active Teeth — ϕD^{H7}

Sprocket No.



- Chain **No.C2060H**
- Chain Pitch .....**(P) 38.10 mm**
- Roller Link Inner Width .....**(W) 12.70 mm**
- Roller Outside Diameter .....**(Dr) 11.91 mm**
- Tooth Width .....**(T) 11.7 mm**

TYPE **FBN2060B**

m Carbon Structural Steel
h High-frequency Hardened Teeth

Product Code	No. of Active Teeth	Actual No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2060B91/2D25	9 1/2	19	25	8×3.3	8	126.0	231.478	83	40	12	2.03
FBN2060B91/2D30	9 1/2	19	30	8×3.3	8	126.0	231.478	83	40	12	2.03
FBN2060B91/2D35	9 1/2	19	35	10×3.3	8	126.0	231.478	83	40	12	2.03
FBN2060B91/2D40	9 1/2	19	40	12×3.3	8	126.0	231.478	83	40	12	2.03
FBN2060B91/2D50	9 1/2	19	50	14×3.8	10	126.0	231.478	83	40	12	2.03
FBN2060B101/2D25	10 1/2	21	25	8×3.3	8	138.0	255.632	83	40	12	2.23
FBN2060B101/2D30	10 1/2	21	30	8×3.3	8	138.0	255.632	83	40	12	2.23
FBN2060B101/2D35	10 1/2	21	35	10×3.3	8	138.0	255.632	83	40	12	2.23
FBN2060B101/2D40	10 1/2	21	40	12×3.3	8	138.0	255.632	83	40	12	2.23
FBN2060B111/2D25	11 1/2	23	25	8×3.3	8	150.0	279.804	83	45	12	2.56
FBN2060B111/2D30	11 1/2	23	30	8×3.3	8	150.0	279.804	83	45	12	2.56
FBN2060B111/2D35	11 1/2	23	35	10×3.3	8	150.0	279.804	83	45	12	2.56
FBN2060B111/2D40	11 1/2	23	40	12×3.3	8	150.0	279.804	83	45	12	2.56
FBN2060B121/2D25	12 1/2	25	25	8×3.3	8	162.0	303.990	83	45	12	2.81
FBN2060B121/2D30	12 1/2	25	30	8×3.3	8	162.0	303.990	83	45	12	2.81
FBN2060B121/2D35	12 1/2	25	35	10×3.3	8	162.0	303.990	83	45	12	2.81
FBN2060B121/2D40	12 1/2	25	40	12×3.3	8	162.0	303.990	83	45	12	2.81

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335

FBN2080B

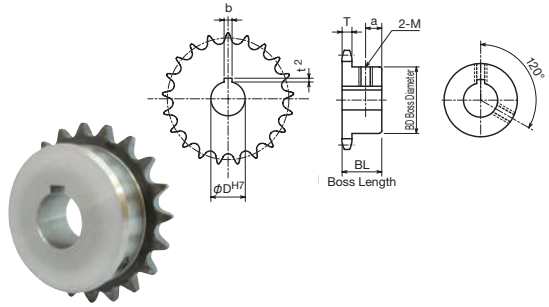
FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

Order Product Code

FBN2080B91/2D30

TYPE — No. of Active Teeth — ϕD^{H7}

Sprocket No.



- Chain **No.C2080H**
- Chain Pitch .....**(P) 50.80 mm**
- Roller Link Inner Width .....**(W) 15.88 mm**
- Roller Outside Diameter .....**(Dr) 15.88 mm**
- Tooth Width .....**(T) 14.6 mm**

TYPE **FBN2080B**

m Carbon Structural Steel
h High-frequency Hardened Teeth ☆ Non-hardened

Product Code	No. of Active Teeth	Actual No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2080B91/2D30	9 1/2	19	30	8×3.3	8	167.0	308.637	93	40	12	3.24
FBN2080B91/2D35	9 1/2	19	35	10×3.3	8	167.0	308.637	93	40	12	3.24
FBN2080B91/2D40	9 1/2	19	40	12×3.3	8	167.0	308.637	93	40	12	3.24
FBN2080B91/2D45	9 1/2	19	45	14×3.8	10	167.0	308.637	93	40	12	3.24
FBN2080B101/2D30	10 1/2	21	30	8×3.3	8	184.0	340.843	93	40	12	3.68
FBN2080B101/2D35	10 1/2	21	35	10×3.3	8	184.0	340.843	93	40	12	3.68
FBN2080B101/2D40	10 1/2	21	40	12×3.3	8	184.0	340.843	93	40	12	3.68
FBN2080B101/2D45	10 1/2	21	45	14×3.8	10	184.0	340.843	93	40	12	3.68
FBN2080B111/2D30	☆11 1/2	23	30	8×3.3	8	200.0	373.072	107	45	10	4.88
FBN2080B111/2D35	☆11 1/2	23	35	10×3.3	8	200.0	373.072	107	45	10	4.88
FBN2080B111/2D40	☆11 1/2	23	40	12×3.3	8	200.0	373.072	107	45	10	4.88
FBN2080B111/2D45	☆11 1/2	23	45	14×3.8	10	200.0	373.072	107	45	10	4.88
FBN2080B121/2D30	☆12 1/2	25	30	8×3.3	8	216.0	405.319	107	45	10	5.43
FBN2080B121/2D35	☆12 1/2	25	35	10×3.3	8	216.0	405.319	107	45	10	5.43
FBN2080B121/2D40	☆12 1/2	25	40	12×3.3	8	216.0	405.319	107	45	10	5.43
FBN2080B121/2D45	☆12 1/2	25	45	14×3.8	10	216.0	405.319	107	45	10	5.43

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335

FBN2100B

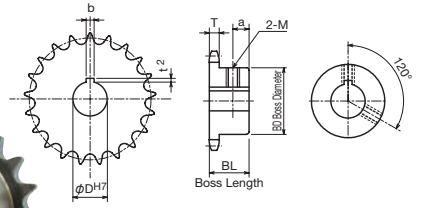
FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

Order Product Code

FBN2100B91/2D35

TYPE — No. of Active Teeth — ϕD^{H7}

Sprocket No.



- Chain **No.C2100H**
- Chain Pitch .....**(P) 63.50 mm**
- Roller Link Inner Width .....**(W) 19.05 mm**
- Roller Outside Diameter .....**(Dr) 19.05 mm**
- Tooth Width .....**(T) 17.6 mm**

TYPE	FBN2100B

m Carbon Structural Steel
h High-frequency Hardened Teeth

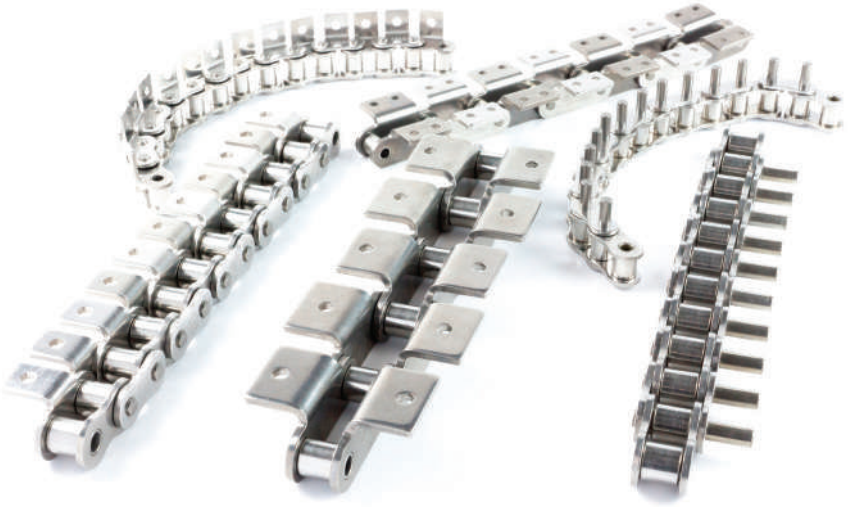
Product Code	No. of Active Teeth	Actual No. of Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2100B91/2D35	9 1/2	19	35	10×3.3	8	209.0	385.796	107	50	16	5.91
FBN2100B91/2D40	9 1/2	19	40	12×3.3	8	209.0	385.796	107	50	16	5.91
FBN2100B91/2D45	9 1/2	19	45	14×3.8	10	209.0	385.796	107	50	16	5.91
FBN2100B91/2D50	9 1/2	19	50	14×3.8	10	209.0	385.796	107	50	16	5.91

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Machine Key

Use together with the KANA machine key. Refer to P.334 to P.335

MEMO



FBN2042B

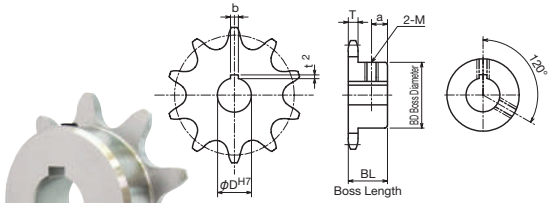
FBN Double Pitch Sprocket for R Rollers New JIS Keyway Specification

Order Product Code

FBN2042B10D25

TYPE — No. of Active Teeth — ϕD^{H7}

Sprocket No.



- Chain **No.C2042**
- Chain Pitch .....**(P) 25.4 mm**
- Roller Link Inner Width .....**(W) 7.95 mm**
- Roller Outside Diameter .....**(Dr) 15.88 mm**
- Tooth Width .....**(T) 7.2 mm**

TYPE	FBN2042B

m Carbon Structural Steel

Product Code	No. of Active Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2042B10D25	10	25	8×3.3	8	93.0	82.196	63	25	7	0.70
FBN2042B10D30	10	30	8×3.3	8	93.0	82.196	63	25	7	0.70
FBN2042B10D35	10	35	10×3.3	8	93.0	82.196	63	25	7	0.70
FBN2042B11D25	11	25	8×3.3	8	102.0	90.156	63	25	7	0.77
FBN2042B11D30	11	30	8×3.3	8	102.0	90.156	63	25	7	0.77
FBN2042B11D35	11	35	10×3.3	8	102.0	90.156	63	25	7	0.77
FBN2042B12D25	12	25	8×3.3	8	108.0	98.138	63	25	7	0.84
FBN2042B12D30	12	30	8×3.3	8	108.0	98.138	63	25	7	0.84
FBN2042B12D35	12	35	10×3.3	8	108.0	98.138	63	25	7	0.84
FBN2042B13D25	13	25	8×3.3	8	118.0	106.136	63	25	7	0.97
FBN2042B13D30	13	30	8×3.3	8	118.0	106.136	63	25	7	0.97
FBN2042B13D35	13	35	10×3.3	8	118.0	106.136	63	25	7	0.97
FBN2042B14D25	14	25	8×3.3	8	127.0	114.147	63	25	7	1.07
FBN2042B14D30	14	30	8×3.3	8	127.0	114.147	63	25	7	1.07
FBN2042B14D35	14	35	10×3.3	8	127.0	114.147	63	25	7	1.07
FBN2042B16D25	16	25	8×3.3	8	143.0	130.196	63	25	8	1.30
FBN2042B16D30	16	30	8×3.3	8	143.0	130.196	63	25	8	1.30
FBN2042B16D35	16	35	10×3.3	8	143.0	130.196	63	25	8	1.30

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN2052B

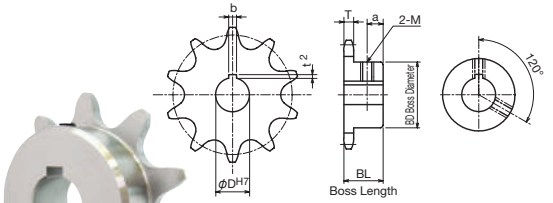
FBN Double Pitch Sprocket for R Rollers New JIS Keyway Specification

Order Product Code

FBN2052B10D25

TYPE — No. of Active Teeth — ϕD^{H7}

Sprocket No.



- Chain **No.C2052**
- Chain Pitch .....**(P) 31.75 mm**
- Roller Link Inner Width .....**(W) 9.53 mm**
- Roller Outside Diameter .....**(Dr) 19.05 mm**
- Tooth Width .....**(T) 8.7 mm**

TYPE	FBN2052B

m Carbon Structural Steel

Product Code	No. of Active Teeth	ϕD^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2052B10D25	10	25	8×3.3	8	116.0	102.745	73	28	8	1.10
FBN2052B10D30	10	30	8×3.3	8	116.0	102.745	73	28	8	1.10
FBN2052B10D35	10	35	10×3.3	8	116.0	102.745	73	28	8	1.10
FBN2052B10D40	10	40	12×3.3	8	116.0	102.745	73	28	8	1.10
FBN2052B11D25	11	25	8×3.3	8	127.0	112.696	73	28	8	1.20
FBN2052B11D30	11	30	8×3.3	8	127.0	112.696	73	28	8	1.20
FBN2052B11D35	11	35	10×3.3	8	127.0	112.696	73	28	8	1.20
FBN2052B11D40	11	40	12×3.3	8	127.0	112.696	73	28	8	1.20
FBN2052B12D25	12	25	8×3.3	8	138.0	122.673	73	28	8	1.30
FBN2052B12D30	12	30	8×3.3	8	138.0	122.673	73	28	8	1.30
FBN2052B12D35	12	35	10×3.3	8	138.0	122.673	73	28	8	1.30
FBN2052B12D40	12	40	12×3.3	8	138.0	122.673	73	28	8	1.30
FBN2052B13D25	13	25	8×3.3	8	148.0	132.670	73	28	8	1.50
FBN2052B13D30	13	30	8×3.3	8	148.0	132.670	73	28	8	1.50
FBN2052B13D35	13	35	10×3.3	8	148.0	132.670	73	28	8	1.50
FBN2052B13D40	13	40	12×3.3	8	148.0	132.670	73	28	8	1.50
FBN2052B14D25	14	25	8×3.3	8	158.0	142.683	73	28	8	1.90
FBN2052B14D30	14	30	8×3.3	8	158.0	142.683	73	28	8	1.90
FBN2052B14D35	14	35	10×3.3	8	158.0	142.683	73	28	8	1.90
FBN2052B14D40	14	40	12×3.3	8	158.0	142.683	73	28	8	1.90
FBN2052B15D25	15	25	8×3.3	8	168.0	152.709	73	28	8	2.00
FBN2052B15D30	15	30	8×3.3	8	168.0	152.709	73	28	8	2.00
FBN2052B15D35	15	35	10×3.3	8	168.0	152.709	73	28	8	2.00
FBN2052B15D40	15	40	12×3.3	8	168.0	152.709	73	28	8	2.00
FBN2052B18D25	18	25	8×3.3	8	199.0	182.841	83	35	10	2.75
FBN2052B18D30	18	30	8×3.3	8	199.0	182.841	83	35	10	2.75
FBN2052B18D35	18	35	10×3.3	8	199.0	182.841	83	35	10	2.75
FBN2052B18D40	18	40	12×3.3	8	199.0	182.841	83	35	10	2.75
FBN2052B20D25	20	25	8×3.3	8	220.0	202.960	83	35	10	3.15
FBN2052B20D30	20	30	8×3.3	8	220.0	202.960	83	35	10	3.15
FBN2052B20D35	20	35	10×3.3	8	220.0	202.960	83	35	10	3.15
FBN2052B20D40	20	40	12×3.3	8	220.0	202.960	83	35	10	3.15

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

FBN2062B

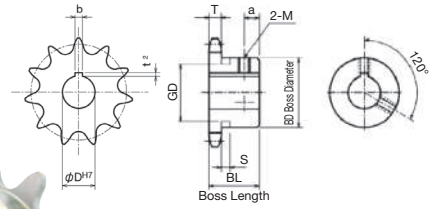
FBN Double Pitch Sprocket for R Rollers New JIS Keyway Specification

Order Product Code

FBN2062B10D30

TYPE — No. of Active Teeth — ϕ D^{H7}

Sprocket No.



- Chain No.C2062H
- Chain Pitch .....(P) 38.10 mm
- Roller Link Inner Width .....(W) 12.70 mm
- Roller Outside Diameter .....(Dr) 22.23 mm
- Tooth Width .....(T) 11.7 mm

TYPE	FBN2062B

m Carbon Structural Steel

Product Code	No. of Active Teeth	ϕ D^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2062B7D25	7	25	8×3.3	8	102.0	87.812	★60	40	9	0.97
FBN2062B7D30	7	30	8×3.3	8	102.0	87.812	★60	40	9	0.97
FBN2062B10D30	10	30	8×3.3	8	140.0	123.294	80	45	12	2.5
FBN2062B10D35	10	35	10×3.3	8	140.0	123.294	80	45	12	2.5
FBN2062B10D40	10	40	12×3.3	8	140.0	123.294	80	45	12	2.5
FBN2062B10D45	10	45	14×3.8	10	140.0	123.294	80	45	12	2.5
FBN2062B11D30	11	30	8×3.3	8	153.0	135.235	83	45	12	2.6
FBN2062B11D35	11	35	10×3.3	8	153.0	135.235	83	45	12	2.6
FBN2062B11D40	11	40	12×3.3	8	153.0	135.235	83	45	12	2.6
FBN2062B11D45	11	45	14×3.8	10	153.0	135.235	83	45	12	2.6
FBN2062B12D30	12	30	8×3.3	8	165.0	147.207	83	45	12	2.8
FBN2062B12D35	12	35	10×3.3	8	165.0	147.207	83	45	12	2.8
FBN2062B12D40	12	40	12×3.3	8	165.0	147.207	83	45	12	2.8
FBN2062B12D45	12	45	14×3.8	10	165.0	147.207	83	45	12	2.8
FBN2062B13D30	13	30	8×3.3	8	177.0	159.204	83	45	12	3.1
FBN2062B13D35	13	35	10×3.3	8	177.0	159.204	83	45	12	3.1
FBN2062B13D40	13	40	12×3.3	8	177.0	159.204	83	45	12	3.1
FBN2062B13D45	13	45	14×3.8	10	177.0	159.204	83	45	12	3.1
FBN2062B16D30	16	30	8×3.3	8	214.0	195.294	83	45	12	4.2
FBN2062B16D35	16	35	10×3.3	8	214.0	195.294	83	45	12	4.2
FBN2062B16D40	16	40	12×3.3	8	214.0	195.294	83	45	12	4.2
FBN2062B16D45	16	45	14×3.8	10	214.0	195.294	83	45	12	4.2
FBN2062B20D30	20	30	8×3.3	8	263.0	243.552	83	45	12	6.0
FBN2062B20D35	20	35	10×3.3	8	263.0	243.552	83	45	12	6.0
FBN2062B20D40	20	40	12×3.3	8	263.0	243.552	83	45	12	6.0
FBN2062B20D45	20	45	14×3.8	10	263.0	243.552	83	45	12	6.0

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
7	10	56

FBN2082B

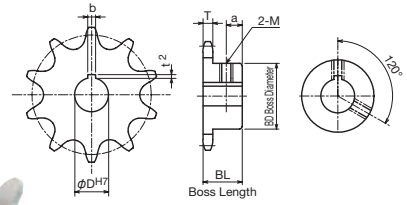
FBN Double Pitch Sprocket for R Rollers New JIS Keyway Specification

Order Product Code

FBN2082B11D30

TYPE — No. of Active Teeth — ϕ D^{H7}

Sprocket No.



- Chain No.C2082H
- Chain Pitch .....(P) 50.80 mm
- Roller Link Inner Width .....(W) 15.88 mm
- Roller Outside Diameter .....(Dr) 28.58 mm
- Tooth Width .....(T) 14.6 mm

TYPE	FBN2082B

m Carbon Structural Steel

Product Code	No. of Active Teeth	ϕ D^{H7}	Keyway b×t²	M	Do	Dp	BD	BL	a	Weight kg
FBN2082B11D30	11	30	8×3.3	8	204.0	180.313	107	45	12	4.42
FBN2082B11D35	11	35	10×3.3	8	204.0	180.313	107	45	12	4.42
FBN2082B11D40	11	40	12×3.3	8	204.0	180.313	107	45	12	4.42
FBN2082B11D45	11	45	14×3.8	10	204.0	180.313	107	45	12	4.42
FBN2082B12D30	12	30	8×3.3	8	220.0	196.276	107	45	12	4.49
FBN2082B12D35	12	35	10×3.3	8	220.0	196.276	107	45	12	4.49
FBN2082B12D40	12	40	12×3.3	8	220.0	196.276	107	45	12	4.49
FBN2082B12D45	12	45	14×3.8	10	220.0	196.276	107	45	12	4.49

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

2040B

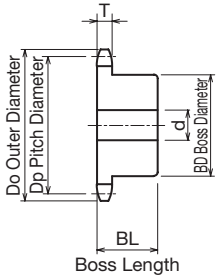
Standard Double Pitch Sprocket for S Rollers B-type

Order Product Code

2040B 6 1/2

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2040**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 7.95 mm**
- Roller Outside Diameter ..... **(Dr) 7.92 mm**
- Tooth Width ..... **(T) 7.2 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Active Teeth	Actual No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
					Prepared Hole	Minimum	Maximum			
2040B	6 1/2	13	59	54.656	12	13	20	35	22	0.20
	7 1/2	15	67	62.448	12	13	25	43	22	0.30
	8 1/2	17	76	70.313	13	14	32	52	22	0.42
	9 1/2	19	84	78.226	14	15	38	60	25	0.61
	10 1/2	21	92	86.173	14	15	46	69	25	0.82
	11 1/2	23	100	94.145	14	15	51	77	25	0.98
	12	24	104	98.138	14	15	42	63	25	0.84
	12 1/2	25	108	102.135	14	15	42	63	25	0.88

Use together with the KANA machine key.
Refer to P.334 to P.335

2042B

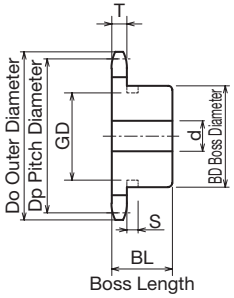
Standard Double Pitch Sprocket for R Rollers B-type

Order Product Code

2042B 20

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2042**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 7.95 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 7.2 mm**

TYPE	No. of Active Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
2042B	7	68	58.541	14	15	22	★40	25	Ground Specification	m Carbon Structural Steel	0.26
	8	77	66.373	14	15	28	★48	25			0.37
	9	85	74.265	14	15	32	52	25			0.47
	10	93	82.196	15	16	42	63	25			0.70
	11	102	90.156	15	16	42	63	25			0.77
	12	108	98.138	15	16	42	63	25			0.84
	13	118	106.136	16	17	42	63	25			0.97
	14	127	114.147	16	17	42	63	25			1.07
	15	135	122.167	20	21	45	68	28			1.26
	16	143	130.196	20	21	45	68	28			1.30
	17	151	138.232	20	21	45	68	28			1.35
	18	159	146.273	20	21	45	68	28			1.45
	19	167	154.319	20	21	45	68	28			1.60
	20	176	162.368	20	21	45	68	28			1.80
	21	183	170.421	20	21	48	73	32			1.91
	22	192	178.478	26	27	48	73	32			2.03
	23	200	186.536	26	27	48	73	32			2.15
	24	208	194.597	26	27	48	73	32			2.28
	25	216	202.660	26	27	48	73	32			2.42
	26	224	210.724	26	27	48	73	32			2.56
	28	241	226.858	26	27	48	73	32			2.87
	30	257	242.996	26	27	48	73	32			3.19
	32	273	259.138	26	27	55	83	32			4.04

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
7	6	35
8		43

SUS2040B

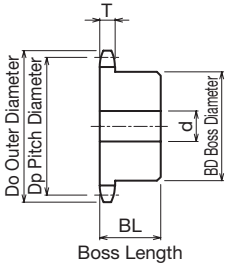
SUS Standard Stainless Steel Double Pitch Sprocket for S Rollers B-type

Order Product Code

SUS2040B 9 1/2

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2040**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 7.95 mm**
- Roller Outside Diameter ..... **(Dr) 7.92 mm**
- Tooth Width ..... **(T) 7.2 mm**

m Stainless Steel GB 304

TYPE	No. of Active Teeth	Actual No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
					Prepared Hole	Minimum	Maximum				
SUS2040B	9 1/2	19	84	78.226	14	15	38	60	25	Ground Specification	0.64
	10 1/2	21	92	86.173	14	15	46	69	25		0.93
	11 1/2	23	99	94.145	14	15	51	77	25		0.99
	12 1/2	25	108	102.135	14	15	42	63	25		1.06

Use together with the KANA machine key.
Refer to P.334 to P.335

SUS2042B

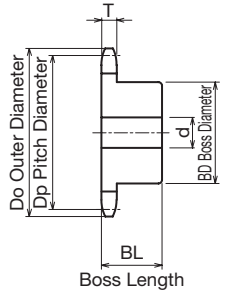
SUS Standard Stainless Steel Double Pitch Sprocket for R Rollers B-type

Order Product Code

SUS2042B 12

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2042**
- Chain Pitch ..... **(P) 25.4 mm**
- Roller Link Inner Width ..... **(W) 7.95 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 7.2 mm**

m Stainless Steel GB 304

TYPE	No. of Active Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS2042B	10	93	82.196	15	16	42	63	25	Ground Specification	0.70
	11	102	90.156	15	16	42	63	25		0.77
	12	108	98.138	15	16	42	63	25		0.84
	13	118	106.136	16	17	42	63	25		0.97

Use together with the KANA machine key.
Refer to P.334 to P.335

2050B

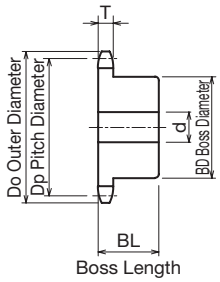
Standard Double Pitch Sprocket for S Rollers B-type

Order Product Code

2050B 6 1/2

TYPE No. of Active Teeth

Sprocket No.



- Chain **No.C2050**
- Chain Pitch ..... **(P) 31.75 mm**
- Roller Link Inner Width ..... **(W) 9.53 mm**
- Roller Outside Diameter ..... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Active Teeth	Actual No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
					Prepared Hole	Minimum	Maximum			
2050B	6 1/2	13	74	68.320	12	13	25	44	25	0.38
	7 1/2	15	84	78.060	12	13	32	54	25	0.55
	8 1/2	17	94	87.891	14	15	45	65	25	0.76
	9 1/2	19	105	97.783	14	15	48	73	28	1.06
	10 1/2	21	115	107.717	14	15	48	73	28	1.16
	11 1/2	23	125	117.681	16	17	48	73	28	1.27
	12	24	130	122.673	16	17	48	73	28	1.40
	12 1/2	25	135	127.669	16	17	48	73	28	1.46

Use together with the KANA machine key.
Refer to P.334 to P.335

2052B

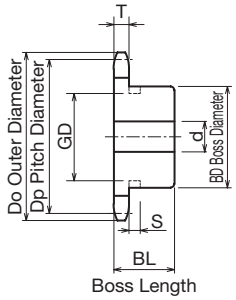
Standard Double Pitch Sprocket for R Rollers B-type

Order Product Code

2052B 20

TYPE No. of Active Teeth

Sprocket No.



- Chain **No.C2052**
- Chain Pitch ..... **(P) 31.75 mm**
- Roller Link Inner Width ..... **(W) 9.53 mm**
- Roller Outside Diameter ..... **(Dr) 19.05 mm**
- Tooth Width ..... **(T) 8.7 mm**

TYPE	No. of Active Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
2052B	7	85	73.176	20	21	30	★50	28	Ground Specification	m Carbon Structural Steel	0.46
	8	96	82.967	20	21	40	★60	28			0.67
	9	106	92.831	20	21	42	66	28			0.86
	10	116	102.745	20	21	48	73	28			1.10
	11	127	112.696	20	21	48	73	28			1.20
	12	138	122.673	20	21	48	73	28			1.30
	13	148	132.670	20	21	48	73	28			1.50
	14	158	142.683	20	21	48	73	28			1.90
	15	168	152.709	20	21	48	73	28			2.00
	16	179	162.745	20	21	48	73	28			2.30
	17	189	172.790	20	21	55	83	35			2.45
	18	199	182.841	20	21	55	83	35			2.75
	19	209	192.898	20	21	55	83	35			2.95
	20	220	202.960	20	21	55	83	35			3.15
	21	229	213.027	20	21	55	83	35			3.25
	22	240	223.097	26	27	55	83	35			3.48
	23	250	233.170	26	27	55	83	35			3.71
	24	260	243.246	26	27	55	83	35			3.96
	25	270	253.325	26	27	55	83	35			4.22
	26	281	263.405	26	27	55	83	35			4.49
	28	301	283.572	26	27	55	83	35			5.06
	30	321	303.745	26	27	55	83	35			5.68

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
7	7	45
8		56

SUS2050B

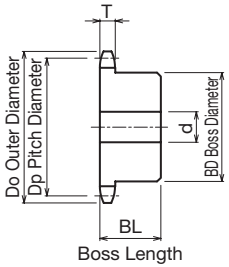
SUS Standard Stainless Steel Double Pitch Sprocket for S Rollers B-type

Order Product Code

SUS2050B 9 1/2

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2050**
- Chain Pitch ..... **(P) 31.75 mm**
- Roller Link Inner Width ..... **(W) 9.53 mm**
- Roller Outside Diameter ..... **(Dr) 10.16 mm**
- Tooth Width ..... **(T) 8.7 mm**

m Stainless Steel GB 304

TYPE	No. of Active Teeth	Actual No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
					Prepared Hole	Minimum	Maximum				
SUS2050B	9 1/2	19	105	97.783	14	15	48	73	28	Ground Specification	1.10
	10 1/2	21	115	107.717	14	15	48	73	28		1.62
	11 1/2	23	125	117.681	16	17	48	73	28		1.74
	12 1/2	25	135	127.669	16	17	48	73	28		1.87

Use together with the KANA machine key.
Refer to P.334 to P.335

SUS2052B

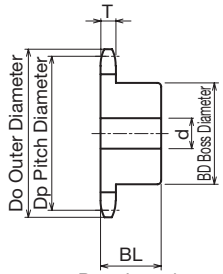
SUS Standard Stainless Steel Double Pitch Sprocket for R Rollers B-type

Order Product Code

SUS2052B 12

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2052**
- Chain Pitch ..... **(P) 31.75 mm**
- Roller Link Inner Width ..... **(W) 9.53 mm**
- Roller Outside Diameter ..... **(Dr) 19.05 mm**
- Tooth Width ..... **(T) 8.7 mm**

m Stainless Steel GB 304

TYPE	No. of Active Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS2052B	10	116	102.745	20	21	48	73	28	Ground Specification	1.10
	11	127	112.696	20	21	48	73	28		1.20
	12	138	122.673	20	21	48	73	28		1.30
	13	148	132.670	20	21	48	73	28		1.50

Use together with the KANA machine key.
Refer to P.334 to P.335

2060B

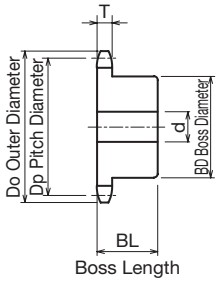
Standard Double Pitch Sprocket for S Rollers B-type

Order Product Code

2060B 6 1/2

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2060H**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 12.70 mm**
- Roller Outside Diameter ..... **(Dr) 11.91 mm**
- Tooth Width ..... **(T) 11.7 mm**

m Carbon Structural Steel
h High-frequency Hardened Teeth

TYPE	No. of Active Teeth	Actual No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Weight kg
					Prepared Hole	Minimum	Maximum			
2060B	6 1/2	13	88	81.984	14	15	32	53	32	0.73
	7 1/2	15	101	93.672	16	17	45	66	32	1.05
	8 1/2	17	113	105.470	16	17	48	73	32	1.33
	9 1/2	19	126	117.339	16	17	55	83	40	2.03
	10 1/2	21	138	129.260	16	17	55	83	40	2.23
	11 1/2	23	150	141.217	16	17	55	83	45	2.56
	12	24	156	147.207	18	19	55	83	45	2.90
	12 1/2	25	162	153.203	18	19	55	83	45	2.81

Use together with the KANA machine key.
Refer to P.334 to P.335

2062B

Standard Double Pitch Sprocket for R Rollers B-type

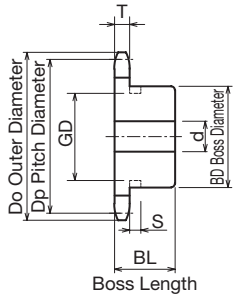
Order Product Code

2062B 20

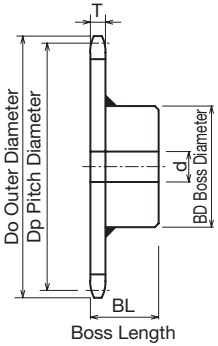
TYPE — No. of Active Teeth

Sprocket No.

Ground Specification — Welded Specification



Ground Specification



Welded Specification

- Chain **No.C2062H**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 12.70 mm**
- Roller Outside Diameter ..... **(Dr) 22.23 mm**
- Tooth Width ..... **(T) 11.7 mm**

TYPE	No. of Active Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
2062B	7	102	87.812	18	19	40	★60	40	Ground Specification	m Carbon Structural Steel	0.97
	8	115	99.560	18	19	50	★75	40			1.44
	9	128	111.397	18	19	50	80	40			1.80
	10	140	123.294	18	19	55	80	45			2.50
	11	153	135.235	18	19	55	83	45			2.60
	12	165	147.207	18	19	55	83	45			2.80
	13	177	159.204	25	26	55	83	45			3.10
	14	190	171.220	25	26	55	83	45			3.60
	15	202	183.251	25	26	55	83	45			3.90
	16	214	195.294	25	26	55	83	45			4.20
	17	227	207.347	25	26	63	93	45			4.60
	18	239	219.409	25	26	63	93	45			5.00
	19	251	231.478	25	26	63	93	45			5.50
	20	263	243.552	25	26	63	93	45			6.00
	21	276	255.632	25	26	63	93	45			5.89
	22	288	267.716	26	27	63	93	45			6.34
	24	312	291.895	26	27	63	93	45			7.28
	25	324	303.990	26	27	63	93	45			7.77
	26	337	316.086	26	27	63	93	45			8.77
	28	361	340.287	26	27	63	93	45	Welded Specification	m Common Steel	9.90
	30	385	364.494	26	27	63	93	45			11.20

! Sprockets with a ★ symbol for BD have a channel in the boss exterior.

No. of Teeth	S	GD
7	10	56
8		68

SUS2060B

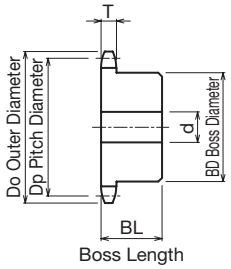
SUS Standard Stainless Steel Double Pitch Sprocket for S Rollers B-type

Order Product Code

SUS2060B 9 1/2

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2060H**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 12.70 mm**
- Roller Outside Diameter ..... **(Dr) 11.91 mm**
- Tooth Width ..... **(T) 11.7 mm**

m Stainless Steel GB 304

TYPE	No. of Active Teeth	Actual No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
					Prepared Hole	Minimum	Maximum				
SUS2060B	9 1/2	19	126	117.339	16	17	55	83	40	Ground Specification	2.1
	10 1/2	21	138	129.260	16	17	55	83	40		2.3
	11 1/2	23	150	141.217	16	17	55	80	45		2.7
	12 1/2	25	162	153.203	18	19	55	80	45		3.0

Use together with the KANA machine key.
Refer to P.334 to P.335

SUS2062B

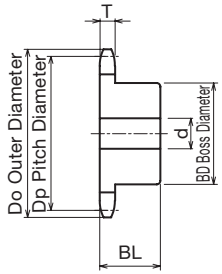
SUS Standard Stainless Steel Double Pitch Sprocket for R Rollers B-type

Order Product Code

SUS2062B 12

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2062H**
- Chain Pitch ..... **(P) 38.10 mm**
- Roller Link Inner Width ..... **(W) 12.70 mm**
- Roller Outside Diameter ..... **(Dr) 22.23 mm**
- Tooth Width ..... **(T) 11.7 mm**

m Stainless Steel GB 304

TYPE	No. of Active Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
SUS2062B	10	140	123.294	25	26	55	83	45	Ground Specification	2.50
	11	153	135.235	25	26	55	83	45		2.60
	12	165	147.207	25	26	55	83	45		2.80
	13	177	159.204	25	26	55	83	45		3.10

Use together with the KANA machine key.
Refer to P.334 to P.335

2080B

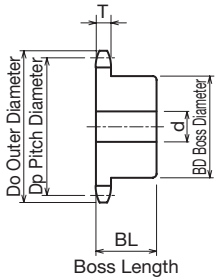
Standard Double Pitch Sprocket for S Rollers B-type

Order Product Code

2080B 6 1/2

TYPE No. of Active Teeth

Sprocket No.



- Chain **No.C2080H**
- Chain Pitch ..... **(P) 50.80 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 15.88 mm**
- Tooth Width ..... **(T) 14.6 mm**

TYPE	No. of Active Teeth	Actual No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
					Prepared Hole	Minimum	Maximum					
2080B	6 1/2	13	118	109.312	16	17	46	70	40	Ground Specification	S C Carbon Structural Steel H High-frequency Hardened Teeth	1.62
	7 1/2	15	135	124.897	20	21	60	88	40			2.34
	8 1/2	17	151	140.626	20	21	63	93	40			2.48
	9 1/2	19	167	156.452	20	21	63	93	40			3.24
	10 1/2	21	184	172.346	20	21	63	93	40			3.68
	11 1/2	23	200	188.290	26	27	75	107	45	Ground Specification	C Carbon Structural Steel	4.88
	12	24	208	196.276	26	27	75	107	45			5.30
	12 1/2	25	216	204.270	26	27	75	107	45			5.43

Use together with the KANA machine key.
Refer to P.334 to P.335

2082B

Standard Double Pitch Sprocket for R Rollers B-type

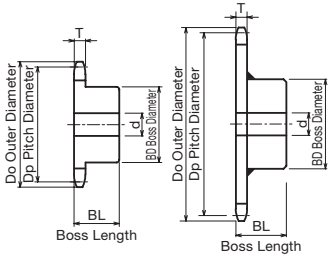
Order Product Code

2082B 20

TYPE No. of Active Teeth

Sprocket No.

Ground Specification Welded Specification



Ground Specification Welded Specification

- Chain **No.C2082H**
- Chain Pitch ..... **(P) 50.80 mm**
- Roller Link Inner Width ..... **(W) 15.88 mm**
- Roller Outside Diameter ..... **(Dr) 28.58 mm**
- Tooth Width ..... **(T) 14.6 mm**

TYPE	No. of Active Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
				Prepared Hole	Minimum	Maximum					
2082B	7	136	117.082	22	23	50	76	40	Ground Specification	C Carbon Structural Steel	1.85
	8	153	132.747	22	23	60	93	40			2.64
	9	170	148.529	26	27	65	110	40			3.56
	10	187	164.392	26	27	63	93	40			3.29
	11	204	180.313	26	27	75	107	45			4.42
	12	220	196.276	26	27	75	107	45			4.94
	13	237	212.272	26	27	75	107	45			5.46
	14	253	228.293	26	27	75	107	45			6.09
	15	269	244.335	30	31	75	107	45			6.70
	16	286	260.392	30	31	75	107	45			7.42
	17	302	276.463	30	31	75	107	45			8.12
	18	319	292.546	30	31	80	117	50			9.76
	19	335	308.637	30	31	80	117	50			10.56
	20	351	324.737	30	31	80	117	50	Welded Specification	C Common Steel	11.46
	24	416	389.194	35	36	80	117	50			16.30
	25	433	405.319	35	36	80	117	50			17.50
	26	449	421.448	35	36	80	117	50			18.70
	28	481	453.715	35	36	80	117	50			21.20
	30	514	485.992	35	36	80	117	50			24.00

Use together with the KANA machine key.
Refer to P.334 to P.335

2100B

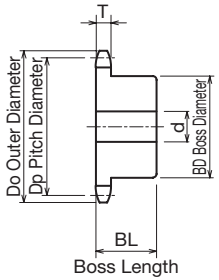
Standard Double Pitch Sprocket for S Rollers B-type

Order Product Code

2100B 6 1/2

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2100H**
- Chain Pitch ..... **(P) 63.50 mm**
- Roller Link Inner Width ..... **(W) 19.05 mm**
- Roller Outside Diameter ..... **(Dr) 19.05 mm**
- Tooth Width ..... **(T) 17.6 mm**

TYPE	No. of Active Teeth	Actual No. of Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Tooth Section	Weight kg
					Prepared Hole	Minimum	Maximum					
2100B	6 1/2	13	148	136.640	20	21	60	88	50	Ground Specification	m Carbon Structural Steel h High-frequency Hardened Teeth	3.38
	7 1/2	15	168	156.121	20	21	66	98	50			4.12
	8 1/2	17	189	175.783	20	21	75	107	50			5.15
	9 1/2	19	209	195.565	20	21	75	107	50			5.91
	10 1/2	21	230	215.433	20	21	75	107	50			6.76
	11 1/2	23	250	235.362	26	27	80	117	56	Ground Specification	m Carbon Structural Steel	8.63
	12 1/2	25	270	255.338	26	27	80	117	56			9.65

Use together with the KANA machine key.
Refer to P.334 to P.335

2102B

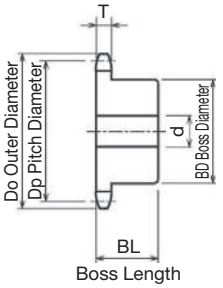
Standard Double Pitch Sprocket for R Rollers B-type

Order Product Code

2102B 11

TYPE — No. of Active Teeth

Sprocket No.



- Chain **No.C2102H**
- Chain Pitch ..... **(P) 63.50 mm**
- Roller Link Inner Width ..... **(W) 19.05 mm**
- Roller Outside Diameter ..... **(Dr) 39.68 mm**
- Tooth Width ..... **(T) 17.6 mm**

m Carbon Structural Steel

TYPE	No. of Active Teeth	Do	Dp	Shaft Hole Diameter d			BD	BL	Shape	Weight kg
				Prepared Hole	Minimum	Maximum				
2102B	10	233	205.490	35	36	75	107	56	Ground Specification	7.00
	11	254	225.391	35	36	80	117	56		8.00
	12	275	245.345	35	36	80	117	56		9.50

Use together with the KANA machine key.
Refer to P.334 to P.335

Machine Keys

Standard Machine Keys

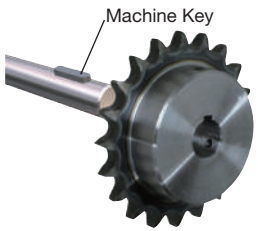
Order Product Code

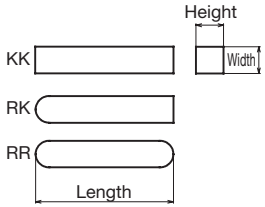
KMH 3×3×10 RK

Part No. | Width × Height | Length | Shape

Machine Key No.

KANA Standard Machine Key ensures regularly stabilized precision thanks to the use of high-precision cold-drawn materials.





Shape		Material
Both ends square	KK	Carbon Structural Steel
One end round	RK	
Both ends round	RR	

· KMH New JIS B1301 (h9) <Carbon Structural Steel> (mm)

Part No.	Width × Height b×h	Length L 8	10	12	14	15	16	18	20	22	24	25	Shape
KMH	2×2 3×3 4×4 5×5 6×6	Contact us for inquiries or to place orders.											KK RK RR
	7×7 8×7 10×8 12×8												

Part No.	Width × Height b×h	Length L 28	30	32	35	40	45	50	55	60	65	70	Shape
KMH	3×3 4×4 5×5 6×6	Contact us for inquiries or to place orders.											KK RK RR
	7×7 8×7 10×8 12×8 14×9												

Part No.	Width × Height b×h	Length L 75	80	85	90	100	Shape
KMH	8×7 10×8 12×8 14×9	Contact us for inquiries or to place orders.					KK RK RR

We also create machine keys for special order machines.

SUS Machine Keys

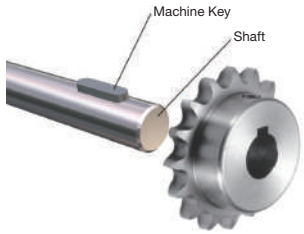
Standard Stainless Machine Keys

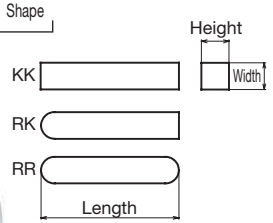
Order Product Code

KMHS 3×3×10 RK

Part No. | Width × Height | Length | Shape

Machine Key No.





Shape		Material
Both ends square	KK	SUS316
One end round	RK	
Both ends round	RR	

· KMHS New JIS B1301(h9) <SUS316> (mm)

Part No.	Width × Height b×h	Length L 8	10	12	14	15	16	18	20	22	24	25	Shape
KMHS	2×2 3×3 4×4 5×5 6×6	Contact us for inquiries or to place orders.											KK RK RR
	7×7 8×7 10×8 12×8												

Part No.	Width × Height b×h	Length L 28	30	32	35	40	45	50	55	60	65	70	Shape
KMHS	3×3 4×4 5×5 6×6	Contact us for inquiries or to place orders.											KK RK RR
	7×7 8×7 10×8 12×8												

Part No.	Width × Height b×h	Length L 75	80	85	90	100	Shape
KMHS	8×7 10×8 12×8	Contact us for inquiries or to place orders.					KK RK RR

∗ For stainless materials, SUS316 is used, with enhanced corrosion resistance.

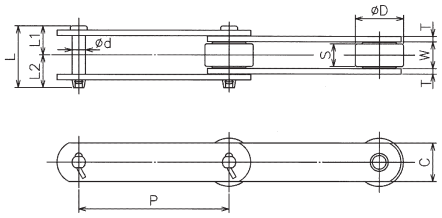
We also create machine keys for special order machines.

Conveyor Chains for R Rollers

Order Product Code

KTM5075-R 100-link

Chain No. Chain Length



Regular Series

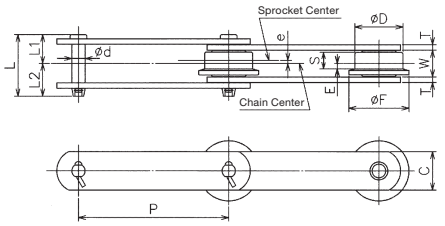
Chain No.	Pitch P	Roller		Inner Link Inner Width W	Plate		Pin				Approx. Mass (kg/m)	Average Tensile Strength kN{kgf}
		Diameter D	Rail contact width S		Width C	Thickness T	Diameter d	Length L	Dimension L1	Dimension L2		
KTMS3075-R	75	31.8	15.5	16.1	22	3.2	7.94	36.4	17.1	19.3	2.7	29.4 {3,000}
KTMS3100-R	100										2.4	
KTMS3125-R	125										2.2	
KTMS3150-R	150										2.0	
KTM5075-R	75	40	19	22.2	32	4.5	11.11	51	24	27	5.6	68.6 {7,000}
KTM5100-R	100										5.0	
KTM5125-R	125										4.5	
KTM5150-R	150										4.1	
KTM7100-R	100	45	21.5	25	32	6.0	12.70	61.5	29	32.5	6.8	84.3 {8,600}
KTM7125-R	125										6.1	
KTM7150-R	150										5.5	
KTM8125-R	125	44.45	23.5	27	28.6	6.3 (6.0)	11.11	63	30	33	5.9	83.3 {8,500}
KTM8150-R	150										5.6	
KTM10100-R	100	50	26.5	30	38	6.3 (6.0)	14.29	68	32	36	10.0	112.7 {11,500}
KTM10125-R	125										8.7	
KTM10150-R	150										7.5	
KTM10200-R	200										6.8	
KTM12200-R	200	65	32	36.5	45	7.9 (8.0)	15.88	85.5	39.5	46	11.6	186.2 {19,000}
KTM12250-R	250										10.4	
KTM17200-R	200	80	45.8	50.8	50.8	9.5 (9.0)	19.05	110.5	51	59.5	19.7	245.0 {25,000}
KTM17250-R	250										17.2	
KTM17300-R	300										15.8	
KTM26200-R	200	100	50	56.6	63.5	9.5	22.23	116	54	62	28.4	279.3 {28,500}
KTM26250-R	250										26.2	
KTM36300-R	300	125	56	66	76.2	12.7	25.40	141	65.5	75.5	40.4	475.3 {48,500}
KTM36450-R	450										31.8	

Conveyor Chains for F Rollers

Order Product Code

KTM5075-F 100-link

Chain No. Chain Length



Regular Series

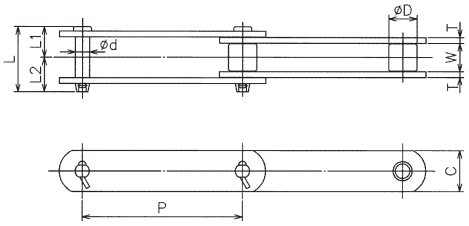
Chain No.	Pitch P	Roller					Inner Link Inner Width W	Plate		Pin				Approx. Mass (kg/m)	Average Tensile Strength kN{kgf}
		Diameter D	Flange Diameter F	Rail contact width S	E	Core Difference e		Width C	Thickness T	Diameter d	Length L	Dimension L1	Dimension L2		
KTMS3075-F	75	31.8	42	12	4.3	1.8	16.1	22	3.2	7.94	36.4	17.1	19.3	2.8	29.4 {3,000}
KTMS3100-F	100													2.5	
KTMS3125-F	125													2.3	
KTMS3150-F	150													2.1	
KTM5075-F	75	40	50	14	4.5	2.5	22.2	32	4.5	11.11	51	24	27	5.8	68.6 {7,000}
KTM5100-F	100													5.2	
KTM5125-F	125													4.7	
KTM5150-F	150													4.3	
KTM7100-F	100	45	60	16	5	3	25	32	6.0	12.70	61.5	29	32.5	7.2	84.3 {8,600}
KTM7125-F	125													6.5	
KTM7150-F	150													5.8	
KTM8125-F	125	44.45	55	18	6.5	2.5	27	28.6	6.3 (6.0)	11.11	63	30	33	6.2	83.3 {8,500}
KTM8150-F	150													5.8	
KTM10100-F	100	50	65	20	6.5	3.5	30	38	6.3 (6.0)	14.29	68	32	36	10.2	112.7 {11,500}
KTM10125-F	125													8.9	
KTM10150-F	150													7.7	
KTM10200-F	200													7.0	
KTM12200-F	200	65	85	24	8	4	36.5	45	7.9 (8.0)	15.88	85.5	39.5	46	12.2	186.2 {19,000}
KTM12250-F	250													10.9	
KTM17200-F	200	80	105	34	12	5	50.8	50.8	9.5 (9.0)	19.05	110.5	51	59.5	20.7	245.0 {25,000}
KTM17250-F	250													18.2	
KTM17300-F	300													16.6	
KTM26200-F	200	100	130	38	13	6	56.6	63.5	9.5	22.23	116	54	62	30.4	279.3 {28,500}
KTM26250-F	250													27.8	
KTM36300-F	300	125	160	42	14	7	66	76.2	12.7	25.40	141	65.5	75.5	42.0	475.3 {48,500}
KTM36450-F	450													33.3	

Conveyor Chains for S (M) Rollers

Order Product Code

KTM5075-S 100-link

Chain No. / Chain Length



Regular Series

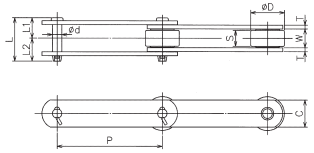
Chain No.	Pitch P	Roller Diameter D		Inner Link Inner Width W	Plate		Pin				Approx. Mass (kg/m)		Average Tensile Strength kN{kgf}
		S Roller	M Roller		Width C	Thickness T	Diameter d	Length L	Dimension L1	Dimension L2	S	M	
KTMS3075-S	75	15.9	-	16.1	22	3.2	7.94	36.4	17.1	19.3	1.8	-	29.4 {3,000}
KTMS3100-S	100										1.6	-	
KTMS3125-S	125										1.4	-	
KTMS3150-S	150										1.2	-	
KTM5075-S	75	22.2	-	22.2	32	4.5	11.11	51	24	27	4.2	-	68.6 {7,000}
KTM5100-S	100										3.8	-	
KTM5125-S	125										3.4	-	
KTM5150-S	150										3.3	-	
KTM7100-S	100	27	-	25	32	6.0	12.70	61.5	29	32.5	6.0	-	84.3 {8,600}
KTM7125-S	125										5.5	-	
KTM7150-S	150										5.0	-	
KTM8125-S	125	22.2	-	27	28.6	6.3 (6.0)	11.11	63	30	33	4.2	-	83.3 {8,500}
KTM8150-S	150										4.0	-	
KTM10100-S/M	100	30	31.75	30	38	6.3 (6.0)	14.29	68	32	36	7.0	7.4	112.7 {11,500}
KTM10125-S/M	125										6.3	6.7	
KTM10150-S/M	150										5.9	6.3	
KTM10200-S/M	200										5.5	5.9	
KTM12200-S/M	200	34.93	38.1	36.5	45	7.9 (8.0)	15.88	85.5	39.5	46	8.4	8.7	186.2 {19,000}
KTM12250-S/M	250										7.8	8.0	
KTM17200-S/M	200	40.08	44.45	50.8	50.8	9.5 (9.0)	19.05	110.5	51	59.5	12.0	13.0	245.0 {25,000}
KTM17250-S/M	250										11.1	12.2	
KTM17300-S/M	300										10.5	11.5	
KTM26200-S/M	200	44.45	50.8	56.6	63.5	9.5	22.23	116	54	62	15.2	16.5	279.3 {28,500}
KTM26250-S/M	250										14.7	16.0	
KTM36300-S/M	300	50.8	57.2	66	76.2	12.7	25.40	141	65.5	75.5	22.9	24.0	475.3 {48,500}
KTM36450-S/M	450										20.2	21.0	

Inch-Pitch Conveyor Chains

Order Product Code

KTE3400R 100-Link

Chain No. / Chain Length



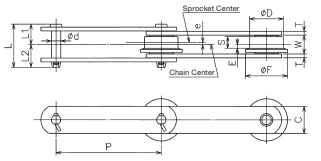
Regular Series

Chain No.	Pitch P	Roller Shape	Roller		Inner Link Inner Width W	Plate		Pin				Approx. Mass (kg/m)	Average Tensile Strength kN{kgf}
			Diameter D	Rail contact width S		Width C	Thickness T	Diameter d	Length L	Dimension L1	Dimension L2		
KTE3400	101.60	R	38.1	18.7	22.2	25.4	4.8 (4.5)	9.53	51	24	27	4.3	53.9 {5,500}
KTE5400	101.60	R	44.45	23.5	27	28.6	6.3 (6.0)	11.11	63	30	33	6.7	83.3 {8,500}
KTE5600	152.40	R	50.8	26.5	30	38	6.3 (6.0)	11.11	66	31.5	34.5	7.8	
KTE9400	101.60	R	44.45	27.5	31	38	7.9 (8.0)	15.88	78.5	37	41.5	10.4	137.2 {14,000}
KTE12600	152.40	R	57.2	31.5	36.5	45	7.9 (8.0)	15.88	85.5	39.5	46	12.1	186.2 {19,000}
KTE17600	152.40	R	69.9	31.5	36.5	50.8	9.5 (9.0)	19.05	96.1	43.8	52.3	17.1	245 {25,000}

Order Product Code

KTE3400F 100-Link

Chain No. / Chain Length



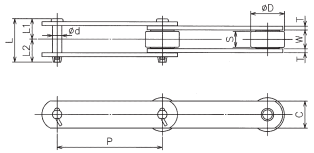
Regular Series

Chain No.	Pitch P	Roller Shape	Roller					Inner Link Inner Width W	Plate		Pin				Approx. Mass (kg/m)	Average Tensile Strength kN{kgf}
			Diameter D	Flange Diameter F	Rail contact width S	E	Core Difference e		Width C	Thickness T	Diameter d	Length L	Dimension L1	Dimension L2		
KTE3400	101.60	F	38.1	50	13	4	2.5	22.2	25.4	4.8 (4.5)	9.53	51	24	27	4.7	53.9 {5,500}
KTE5400	101.60	F	44.5	55	18	6.5	2.5	27.0	28.6	6.3 (6.0)	11.11	63	30	33	6.9	83.3 {8,500}
KTE5600	152.40	F	50.8	65	20	7	3.0	30.0	38	6.3 (6.0)	11.11	66	31.5	34.5	8.1	
KTE9400	101.60	F	44.45	60	19.5	6	3.8	31.0	38	7.9 (8.0)	15.88	78.5	37	41.5	10.7	137.2 {14,000}
KTE12600	152.40	F	57.2	75	25	9	3.5	36.5	45	7.9 (8.0)	15.88	85.5	39.5	46	12.4	186.2 {19,000}
KTE17600	152.40	F	69.9	90	23.5	8	3.8	36.5	50.8	9.5 (9.0)	19.05	96.1	43.8	52.3	17.6	245 {25,000}

Order Product Code

KTE3400S 100-Link

Chain No. / Chain Length



Regular Series

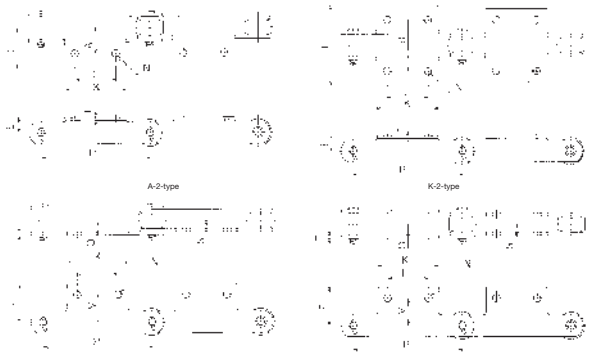
Chain No.	Pitch P	Roller Shape	Roller		Inner Link Inner Width W	Plate		Pin				Approx. Mass (kg/m)		Average Tensile Strength kN{kgf}
			S Roller	M Roller		Width C	Thickness T	Diameter d	Length L	Dimension L1	Dimension L2	S	M	
KTE3400-S	101.60	S	20.1	-	22.2	25.4	4.8 (4.5)	9.53	51	24	27	3.0	-	53.9 {5,500}
KTE5261-S	66.27	S	22.2	-	27	28.6	6.3 (6.0)	11.11	63	30	33	5.6	-	83.3 {8,500}
KTE5400-S	101.60	S	22.2	-	27	28.6	6.3 (6.0)	11.11	63	30	33	4.6	-	
KTE5600-S/M	152.40	S/M	25.8	31.75	30	38	6.3 (6.0)	11.11	66	31.5	34.5	5.7	6.1	
KTE7400-S	101.60	S	25.8	-	28.6	38	6.3 (6.0)	12.70	66	31	35	6.5	-	98 {10,000}
KTE9307-S	78.11	S	31.75	-	36.5	38	7.9 (8.0)	14.29	81.5	39	42.5	10.3	-	117.6 {12,000}
KTE9400-S/M	101.60	S/M	31.75	34.93	31	38	7.9 (8.0)	15.88	78.5	37	41.5	8.7	9.1	137.2 {14,000}
KTE12600-S/M	152.40	S/M	34.93	38.1	36.5	45	7.9 (8.0)	15.88	85.5	39.5	46	9.3	9.6	186.2 {19,000}
KTE17600-S/M	152.40	S/M	40.08	44.45	36.5	50.8	9.5 (9.0)	19.05	96.1	43.8	52.3	12.6	13.0	245 {25,000}

Conveyor Chains with Attachment

Order Product Code

KTM5075 R/F/S 2L A2 100-Link

- KTM5075: Chain No.
- R/F/S: Roller Type
- 2L: Attachment Mounting Interval
- A2: Attachment Type
- 100-Link: Chain Length



Chain No.	Pitch P	Plate T	A-2-type Dimensions						K-2-type Dimensions		SA-2, SK-2-type Dimensions				Attachment Applied Load	
			K	N	L	A	E	G	(2A)B	(2G)H	M	F	S	Q	A-2(kg)	K-2(kg)
KTMS3075-R/F/S	75	3.2	55	10	30	30	20	46	60	92	33	47	11.3	14.9	0.05	0.10
KTMS3100-R/F/S	100		65		40										0.06	0.12
KTMS3125-R/F/S	125		75		50										0.06	0.12
KTMS3150-R/F/S	150		85		60										0.07	0.14
KTM5075-R/F/S	75	4.5	58	10	35	35	22	56.5	70	113	40	54	15.6	20.5	0.07	0.14
KTM5100-R/F/S	100		65		40										0.08	0.16
KTM5125-R/F/S	125		75		50										0.09	0.18
KTM5150-R/F/S	150		85		60										0.10	0.20
KTM7100-R/F/S	100	6.0	70	12	40	40	25	63	80	126	45	59	18.5	24.9	0.20	0.40
KTM7125-R/F/S	125		80		50										0.22	0.44
KTM7150-R/F/S	150		90		60										0.25	0.50
KTM7175-R/F/S	175		100		70										0.28	0.56
KTM8125-R/F/S	125	6.3 (6.0)	80	12	50	50	28	74	100	148	46.1	70.7	19.8 (19.5)	26.5 (26.2)	0.20	0.40
KTM8150-R/F/S	150		90		60										0.24	0.48
KTM10100-R/F/S/M	100	6.3 (6.0)	70	12	40	50	28	74	100	148	50	69	21.3 (21.0)	28.1 (27.8)	0.18	0.36
KTM10125-R/F/S/M	125		80		50										0.23	0.46
KTM10150-R/F/S/M	150		90		60										0.28	0.56
KTM10200-R/F/S/M	200		120		80										0.37	0.74
KTM12200-R/F/S/M	200	7.9 (8.0)	120	15	80	60	38	85	120	170	60	82.5	26.2	34.7	0.42	0.84
KTM12250-R/F/S/M	250		170		125										0.58	1.16
KTM17200-R/F/S/M	200	9.5	120	15	80	75	45	108	150	216	70	101.6	34.9	45.2	0.80	1.60
KTM17250-R/F/S/M	250		170		125										1.11	2.22
KTM17300-R/F/S/M	300		220		180										1.49	2.98
KTM26200-R/F/S/M	200	9.5	120	15	80	80	55	111.5	160	223	-	-	-	-	0.85	1.70
KTM26250-R/F/S/M	250		170		125										1.17	2.34

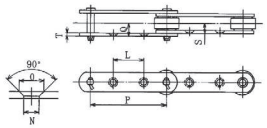
Roller Chains
Chain Accessories
Idlers & Tensioners
Sprockets
Transmission Machine Keys
Conveyor Chains/ Sprockets
Chain Couplings

Conveyor Chains with Attachment

Order Product Code

KTM5125 - R/F/S 2L G-2 100-Link

- KTM5125: Chain No.
- R/F/S: Roller Type
- 2L: Attachment Mounting Interval
- G-2: Attachment Type
- 100-Link: Chain Length



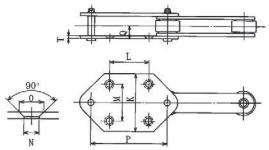
G-2-type Part Dimensions

Chain No.	Pitch P	Plate T	G-2-type Dimensions					Limit of Mounting Bolt Length	
			N	O	L	Q	S	Outer Link	Inner Link
KTMS3075-R/S	75	3.2	8	13.5	30	14.9	11.3	26	19
KTMS3100-R/F/S	100				50				
KTM5100-R/S	100	4.5	9.5	17	40	20.5	15.6	35	25
KTM5125-R/F/S	125				50				
KTM5150-R/F/S	150				60				
KTM7100-R/S	100	6.0	11	22	35	24.9	18.5	42	28
KTM7150-R/F/S	150				60				
KTM8150-R/F/S	150	6.3 (6.0)	12	20	60	26.5 (26.2)	19.8 (19.5)	44	30
KTM10100-S	100	6.3 (6.0)	11	22	30	28.1 (27.8)	21.3 (21.0)	49	35
KTM10125-R/S	125				40				
KTM10150-R/F/S	150				60				
KTM12200-R/F/S	200	7.9 (8.0)	15	27	80	34.7	26.2	63	45
KTM12250-R/F/S	250				125				
KTM17200-R/F/S	200	9.5	15	27	80	45.2	34.9	80	60
KTM17250-R/F/S	250				110				
KTM17300-R/F/S	300				150				
KTM26300-R/F/S	300	9.5	15	27	140	48.1	37.8	86	64
KTM26450-R/F/S	450				220				
KTE5600-R/F/S	152.40	6.3 (6.0)	11	22	60	28.1 (27.8)	21.3 (21.0)	48	34
KTE12600-R/F/S	152.40	7.9 (8.0)	15	27	50	34.7	26.2	62	44

Order Product Code

KTM5150 - R/F/S 2L G-4 100-Link

- KTM5150: Chain No.
- R/F/S: Roller Type
- 2L: Attachment Mounting Interval
- G-4: Attachment Type
- 100-Link: Chain Length



G-4-type Part Dimensions

Chain No.	Pitch P	Plate T	G-4-type Dimensions						Applied Load per Piece (kg)
			N	O	L	M	K	Q	
KTM5100-S	100	4.5	9.5	17	50	50	80	20.5	0.31
KTM5150-R/F/S	150				75	70	100		0.43
KTM10150-R/F/S	150	6.3 (6.0)	11	22	75	70	110	28.1 (27.8)	0.61
KTM12200-R/F/S	200	7.9 (8.0)	15	27	100	70	110	34.7	0.82
KTM12250-R/F/S	250				140	100	150		1.45
KTM17200-R/F/S	200	9.5	15	27	100	80	127	45.2	1.12
KTM17250-R/F/S	250				140	100	150		1.69
KTM17300-R/F/S	300				180	120	170		2.39
KTM26300-R/F/S	300	9.5	15	27	180	120	170	48.1	2.24
KTM26450-R/F/S	450				250	140	190		3.98
KTE5600-R/F/S	152.40	6.3 (6.0)	11	22	75	70	110	28.1 (27.8)	0.50
KTE12600-R/F/S		7.9 (8.0)	15	27				34.7	0.53

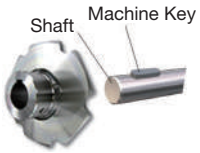
Conveyor Sprocket for R Rollers

Order Product Code

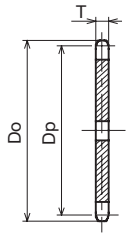
K5100R 6

Chain No. No. of Teeth

Conveyor Sprocket No.



Use together with the KANA machine key. Refer to P.334 to P.335



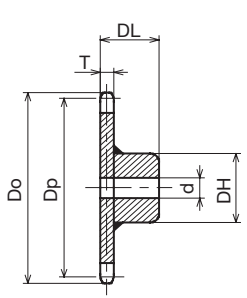
A-type

The beautiful exterior is a special feature with a full crosscut finish.
Special sizes other than those below can also be produced.

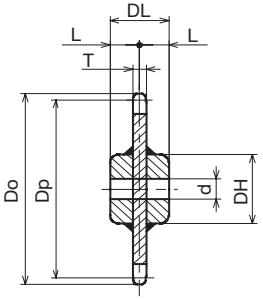
Caution The teeth can also be hardened using high frequency. Since the material is equivalent to S45C, please specify oil quenching and tempering as the hardening method.

Caution When welding an A-type boss, please use S20C, or less, for the boss material. Please use a low-hydrogen type electrode or wire for welding, preheating the sprocket and cooling it slowly after welding is complete. Distortion may occur in the sprocket due to the welding, in which case it may warp into an umbrella shape. Please take all necessary care when working to relieve this stress.

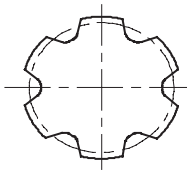
Production Examples



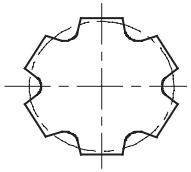
BW-type



CW-type



Tooth Shape S1



Tooth Shape S2

m Carbon Structural Steel

Chain No.	No. of Teeth	Basic Dimensions/Shape				Applicable Conveyor Chain Dimensions			Common Basic Specification Dimensions					
		Pitch Circle Diameter Dp	Outer Diameter Do	Tooth Width T	Tooth Shape	Chain Pitch	Roller Diameter	Roller Link Inner Width	Prepared Hole Diameter d	Shaft Diameter Range d(MAX)	Boss Diameter DH	Total Width DL	Center Distance L(CW-type)	Mass kg
K3075R	6	150.000	158	12	S1	75	31.8	16.1	20	50	73	57	28.5	3.0
	8	195.982	209						20	55	83	62	31.0	4.8
	10	242.707	259						20	60	93	67	33.5	7.1
	12	289.777	308						20	60	93	67	33.5	9.0
K3100R	6	200.000	206	12	S2	100	31.8	16.1	20	55	83	62	31.0	4.9
	8	261.310	272		S2				20	60	93	67	33.5	7.8
	10	323.610	336		S1				20	65	98	72	36.0	11.1
	12	386.370	401		S1				20	65	98	72	36.0	14.4
K5100R	6	200.000	205	18	S1	100	40	22.2	26	75	107	86	43.0	8.8
	8	261.310	272						26	75	107	86	43.0	12.0
	10	323.610	340						26	80	117	94	47.0	17.4
	12	386.370	405						26	85	127	104	52.0	24.4
K5150R	6	300.000	304	18	S2	150	40	22.2	26	80	117	94	47.0	15.8
	8	391.965	402						26	85	127	104	52.0	24.9
	10	485.415	500						26	95	137	116	58.0	36.7
	12	579.555	596						26	95	137	116	58.0	47.8
K10100R	6	200.000	214	22	S1	100	50	30	30	75	107	90	45.0	9.8
	8	261.310	282						30	85	127	108	54.0	17.1
	10	323.610	349						30	95	137	120	60.0	24.7
	12	386.370	414						30	100	147	123	61.5	32.6
K10150R	6	300.000	309	22	S2	150	50	30	30	95	137	120	60.0	22.7
	8	391.965	408		S2				30	100	147	123	61.5	33.2
	10	485.415	506		S2				30	110	157	133	66.5	47.6
	12	579.555	601		S1				30	115	167	144	72.0	65.2

Caution
1. The diameter d represents general situations. Please determine the shaft hole and key surface according to general mechanical design.
2. For a sprocket mass exceeding 30kg, it may be necessary to put a hanging hole in the tooth section.

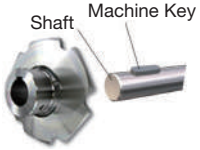
Conveyor Sprocket for F Rollers

Order Product Code

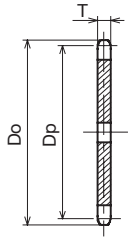
K5100F 6

Chain No. No. of Teeth

Conveyor Sprocket No.



Use together with the KANA machine key. Refer to P.334 to P.335



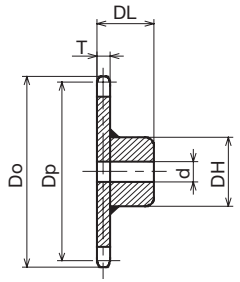
A-type

The beautiful exterior is a special feature with a full crosscut finish.
Special sizes other than those below can also be produced.

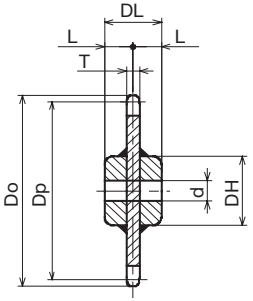
Caution The teeth can also be hardened using high frequency.
Since the material is equivalent to S45C,
please specify oil quenching and tempering as the hardening method.

Caution When welding an A-type boss, please use S20C, or less, for the boss material. Please use a low-hydrogen type electrode or wire for welding, preheating the sprocket and cooling it slowly after welding is complete. Distortion may occur in the sprocket due to the welding, in which case it may warp into an umbrella shape. Please take all necessary care when working to relieve this stress.

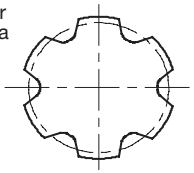
Production Examples



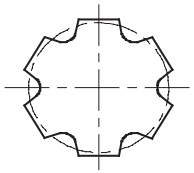
BW-type



CW-type



Tooth Shape S1



Tooth Shape S2

m Carbon Structural Steel

Chain No.	No. of Teeth	Basic Dimensions/Shape				Applicable Conveyor Chain Dimensions			Common Basic Specification Dimensions					
		Pitch Circle Diameter Dp	Outer Diameter Do	Tooth Width T	Tooth Shape	Chain Pitch	Roller Diameter	Roller Link Inner Width	Prepared Hole Diameter d	Shaft Diameter Range d(MAX)	Boss Diameter DH	Total Width DL	Center Distance L(CW-type)	Mass kg
K3075F	6	150.000	158	9	S1	75	31.8	16.1	20	50	73	54	27.0	2.6
	8	195.982	209						20	55	83	59	29.5	4.1
	10	242.707	259						20	60	93	64	32.0	6.0
	12	289.777	308						20	60	93	64	32.0	7.4
K3100F	6	200.000	206	9	S2	100	31.8	16.1	20	55	83	59	29.5	4.2
	8	261.310	272		S2				20	60	93	64	32.0	6.5
	10	323.610	336		S1				20	65	98	69	34.5	9.2
	12	386.370	401		S1				20	65	98	69	34.5	11.6
K5100F	6	200.000	205	12	S1	100	40	22.2	26	75	107	80	40.0	7.3
	8	261.310	272						26	75	107	80	40.0	9.4
	10	323.610	340						26	80	117	88	44.0	13.5
	12	386.370	405						26	85	127	98	49.0	18.8
K5150F	6	300.000	304	12	S2	150	40	22.2	26	80	117	88	44.0	12.4
	8	391.965	402						26	85	127	98	49.0	19.2
	10	485.415	500						26	95	137	110	55.0	27.9
	12	579.555	596						26	95	137	110	55.0	35.2
K10150F	6	300.000	309	16	S2	150	50	30	30	95	137	113	56.5	18.9
	8	391.965	408		S2				30	100	147	116	58.0	26.6
	10	485.415	506		S2				30	110	157	126	63.0	37.5
	12	579.555	601		S1				30	115	167	137	68.5	50.8

Caution
1. The diameter d represents general situations. Please determine the shaft hole and key surface according to general mechanical design.
2. For a sprocket mass exceeding 30kg, it may be necessary to put a hanging hole in the tooth section.

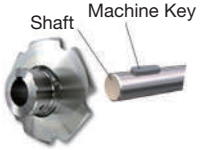
Conveyor Sprocket for S Rollers

Order Product Code

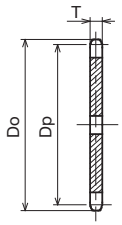
K5100S 6

Chain No. / No. of Teeth

Conveyor Sprocket No.



Use together with the KANA machine key. Refer to P.334 to P.335



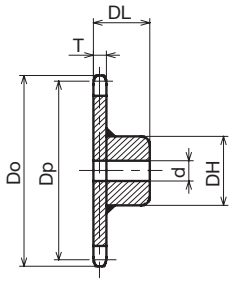
A-type

The beautiful exterior is a special feature with a full crosscut finish.
Special sizes other than those below can also be produced.

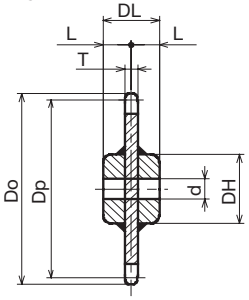
Caution: The teeth can also be hardened using high frequency. Since the material is equivalent to S45C, please specify oil quenching and tempering as the hardening method.

Caution: When welding an A-type boss, please use S20C, or less, for the boss material. Please use a low-hydrogen type electrode or wire for welding, preheating the sprocket and cooling it slowly after welding is complete. Distortion may occur in the sprocket due to the welding, in which case it may warp into an umbrella shape. Please take all necessary care when working to relieve this stress.

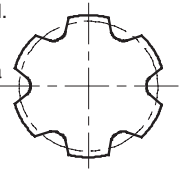
Production Examples



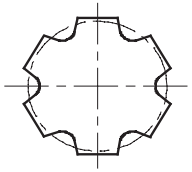
BW-type



CW-type



Tooth Shape S1



Tooth Shape S2

m Carbon Structural Steel

Chain No.	No. of Teeth	Basic Dimensions/Shape				Applicable Conveyor Chain Dimensions			Common Basic Specification Dimensions					
		Pitch Circle Diameter Dp	Outer Diameter Do	Tooth Width T	Tooth Shape	Chain Pitch	Roller Diameter	Roller Link Inner Width	Prepared Hole Diameter d	Shaft Diameter Range d(MAX)	Boss Diameter DH	Total Width DL	Center Distance L(CW-type)	Mass kg
K3075S	6	150.000	158	12	S1	75	15.9	16.1	20	50	73	57	28.5	3.0
	8	195.982	206						20	55	83	62	31.0	4.8
	10	242.707	252						20	60	93	67	33.5	7.1
	12	289.777	299						20	60	93	67	33.5	9.0
K3100S	6	200.000	210	12	S2	100	15.9	16.1	20	55	83	62	31.0	4.9
	8	261.310	269		S1				20	60	93	67	33.5	7.8
	10	323.610	333		S1				20	65	98	72	36.0	11.1
	12	386.370	396		S1				20	65	98	72	36.0	14.4
K5075S	8	195.982	209	18	S1	75	22.2	22.2	26	75	107	86	43.0	8.6
	10	242.707	256						26	75	107	86	43.0	10.9
	12	289.777	303						26	80	117	94	47.0	15.1
K5100S	6	200.000	212	18	S2	100	22.2	22.2	26	75	107	86	43.0	8.8
	8	261.310	273		S1				26	75	107	86	43.0	12.0
	10	323.610	337		S1				26	80	117	94	47.0	17.4
	12	386.370	400		S1				26	85	127	104	52.0	24.4
K5150S	6	300.000	310	18	S2	150	22.2	22.2	26	80	117	94	47.0	15.8
	8	391.965	405		S2				26	85	127	104	52.0	24.9
	10	485.415	499		S2				26	95	137	116	58.0	36.7
	12	579.555	592		S1				26	95	137	116	58.0	47.8
K10100S	6	200.000	217	22	S2	100	30	30	30	75	107	90	45.0	9.8
	8	261.310	279		S1				30	85	127	108	54.0	17.1
	10	323.610	341		S1				30	95	137	120	60.0	24.7
	12	386.370	404		S1				30	100	147	123	61.5	32.6
K10150S	6	300.000	316	22	S2	150	30	30	30	95	137	120	60.0	22.7
	8	391.965	409		S2				30	100	147	123	61.5	33.2
	10	485.415	503		S1				30	110	157	133	66.5	47.6
	12	579.555	597		S1				30	115	167	144	72.0	65.2

Caution:
1. The diameter d represents general situations. Please determine the shaft hole and key surface according to general mechanical design.
2. For a sprocket mass exceeding 30kg, it may be necessary to put a hanging hole in the tooth section.

FBN Chain Couplings

FBN Finished Bore Chain Coupling New/Old JIS Keyway Specification

Order Product Code

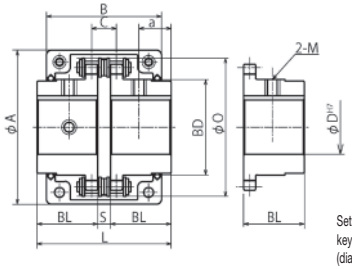
FBN4012 D20 (for New JIS Key)

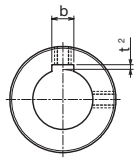
- FBN4012: Chain Coupling No. (TYPE + Model No.)
- D20: Shaft Hole Diameter

FBN5014D25
(inner diameter D25)

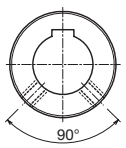
FBN5014D30
(inner diameter D30)

∗ Only sold by one side.
Please purchase two if a set is required.





Setscrew locations: over the keyway and 90° to the right (diagram seen from the boss side)



Setscrew locations: outside the keyway and 90° right/left

(The square in the ϕD marks the setscrew position)

TYPE FBN

m Carbon Structural Steel h High-frequency Hardened Teeth

Model Number	Keyway b×t²	M	ϕD H7	Body Dimensions L	BL	S	BD	O	a	C	Weight kg
FBN3012D14	5×2.3	5	14	64.8	29.8	5.2	26.5	45	16	10.2	0.1
FBN3012D16	5×2.3	5	16	64.8	29.8	5.2	26.5	45	16	10.2	0.1
FBN4012D14	5×2.3	6	14	79.4	36.0	7.4	36.0	62	17	14.4	0.2
FBN4012D15	5×2.3	6	15	79.4	36.0	7.4	36.0	62	17	14.4	0.2
FBN4012D16	5×2.3	6	16	79.4	36.0	7.4	36.0	62	17	14.4	0.2
FBN4012D17	5×2.3	6	17	79.4	36.0	7.4	36.0	62	17	14.4	0.2
FBN4012D18	6×2.8	6	18	79.4	36.0	7.4	36.0	62	17	14.4	0.2
FBN4012D19	6×2.8	6	19	79.4	36.0	7.4	36.0	62	17	14.4	0.2
FBN4012D20	6×2.8	6	20	79.4	36.0	7.4	36.0	62	17	14.4	0.2
FBN4012D22	6×2.8	6	22	79.4	36.0	7.4	36.0	62	17	14.4	0.2
FBN4014D17	5×2.3	6	17	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4014D18	6×2.8	6	18	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4014D19	6×2.8	6	19	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4014D20	6×2.8	6	20	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4014D22	6×2.8	6	22	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4014D24	8×3.3	8	24	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4014D25	8×3.3	8	25	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4014D28	8×3.3	8	28	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4014D30	8×3.3	8	30	79.4	36.0	7.4	45.0	69	17	14.4	0.3
FBN4016D19	6×2.8	6	19	87.4	40.0	7.4	51.0	77	23	14.4	0.5
FBN4016D20	6×2.8	6	20	87.4	40.0	7.4	51.0	77	23	14.4	0.5
FBN4016D22	6×2.8	6	22	87.4	40.0	7.4	51.0	77	23	14.4	0.5
FBN4016D24	8×3.3	8	24	87.4	40.0	7.4	51.0	77	23	14.4	0.5
FBN4016D25	8×3.3	8	25	87.4	40.0	7.4	51.0	77	23	14.4	0.5
FBN4016D28	8×3.3	8	28	87.4	40.0	7.4	51.0	77	23	14.4	0.5
FBN4016D30	8×3.3	8	30	87.4	40.0	7.4	51.0	77	23	14.4	0.5
FBN4016D32	10×3.3	8	32	87.4	40.0	7.4	51.0	77	23	14.4	0.5
FBN5014D20	6×2.8	6	20	99.7	45.0	9.7	56.0	86	24	18.1	0.7
FBN5014D22	6×2.8	6	22	99.7	45.0	9.7	56.0	86	24	18.1	0.7
FBN5014D24	8×3.3	8	24	99.7	45.0	9.7	56.0	86	24	18.1	0.7
FBN5014D25	8×3.3	8	25	99.7	45.0	9.7	56.0	86	24	18.1	0.7
FBN5014D28	8×3.3	8	28	99.7	45.0	9.7	56.0	86	24	18.1	0.7
FBN5014D30	8×3.3	8	30	99.7	45.0	9.7	56.0	86	24	18.1	0.7

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE FBN

m Carbon Structural Steel h High-frequency Hardened Teeth

Model Number	Keyway b×t²	M	ϕD H7	Body Dimensions L	BL	S	BD	O	a	C	Weight kg
FBN5014D32	10×3.3	8	32	99.7	45.0	9.7	56.0	86	24	18.1	0.7
FBN5014D35	10×3.3	8	35	99.7	45.0	9.7	56.0	86	24	18.1	0.7
FBN5016D22	6×2.8	6	22	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5016D24	8×3.3	8	24	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5016D25	8×3.3	8	25	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5016D28	8×3.3	8	28	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5016D30	8×3.3	8	30	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5016D32	10×3.3	8	32	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5016D35	10×3.3	8	35	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5016D38	10×3.3	8	38	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5016D40	12×3.3	8	40	99.7	45.0	9.7	63.0	96	24	18.1	1.0
FBN5018D28	8×3.3	8	28	99.7	45.0	9.7	73.0	106	24	18.1	1.2
FBN5018D30	8×3.3	8	30	99.7	45.0	9.7	73.0	106	24	18.1	1.2
FBN5018D32	10×3.3	8	32	99.7	45.0	9.7	73.0	106	24	18.1	1.2
FBN5018D35	10×3.3	8	35	99.7	45.0	9.7	73.0	106	24	18.1	1.2
FBN5018D38	10×3.3	8	38	99.7	45.0	9.7	73.0	106	24	18.1	1.2
FBN5018D40	12×3.3	8	40	99.7	45.0	9.7	73.0	106	24	18.1	1.2
FBN5018D42	12×3.3	8	42	99.7	45.0	9.7	73.0	106	24	18.1	1.2
FBN5018D45	14×3.8	10	45	99.7	45.0	9.7	73.0	106	24	18.1	1.2
FBN6018D32	10×3.3	8	32	123.5	56.0	11.5	88.0	127	28	22.8	2.4
FBN6018D35	10×3.3	8	35	123.5	56.0	11.5	88.0	127	28	22.8	2.4
FBN6018D38	10×3.3	8	38	123.5	56.0	11.5	88.0	127	28	22.8	2.4
FBN6018D40	12×3.3	8	40	123.5	56.0	11.5	88.0	127	28	22.8	2.4
FBN6018D42	12×3.3	8	42	123.5	56.0	11.5	88.0	127	28	22.8	2.4
FBN6018D45	14×3.8	10	45	123.5	56.0	11.5	88.0	127	28	22.8	2.4
FBN6018D48	14×3.8	10	48	123.5	56.0	11.5	88.0	127	28	22.8	2.4
FBN6018D50	14×3.8	10	50	123.5	56.0	11.5	88.0	127	28	22.8	2.4
FBN6018D55	16×4.3	12	55	123.5	56.0	11.5	88.0	127	28	22.8	2.4

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

Caution

∗ A dedicated chain and case are required for use.

∗ Please refer to P.354 if you would like to order a set.

FBN Chain Couplings

Order Product Code

FBN4012 D20 (for New JIS Key)

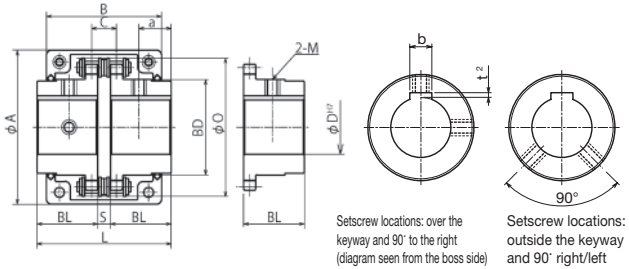
- FBN4012: TYPE + Model No. → Chain Coupling No.
- D20: Shaft Hole Diameter

FBN5014D25
(inner diameter D25)

FBN5014D30
(inner diameter D30)

∗ Only sold by one side.
Please purchase two if a set is required.

FBN Finished Bore Chain Coupling New/Old JIS Keyway Specification



Setscrew locations: over the keyway and 90° to the right (diagram seen from the boss side)

Setscrew locations: outside the keyway and 90° right/left

(The square in the ϕD marks the setscrew position)

TYPE **FBN**

m Carbon Structural Steel h High-frequency Hardened Teeth

Model Number	Keyway b×t²	M	ϕD H7	Body Dimensions L	BL	S	BD	O	a	C	Weight kg
FBN6022D48	14×3.8	10	48	123.5	56.0	11.5	115.0	152	28	22.8	4.3
FBN6022D50	14×3.8	10	50	123.5	56.0	11.5	115.0	152	28	22.8	4.3
FBN6022D55	16×4.3	12	55	123.5	56.0	11.5	115.0	152	28	22.8	4.3
FBN6022D60	18×4.4	12	60	123.5	56.0	11.5	115.0	152	28	22.8	4.3
FBN6022D65	18×4.4	12	65	123.5	56.0	11.5	115.0	152	28	22.8	4.3
FBN8018D32	10×3.3	8	32	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D35	10×3.3	8	35	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D38	10×3.3	8	38	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D40	12×3.3	8	40	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D42	12×3.3	8	42	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D45	14×3.8	10	45	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D48	14×3.8	10	48	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D50	14×3.8	10	50	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D55	16×4.3	12	55	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D60	18×4.4	12	60	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D65	18×4.4	12	65	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D70	20×4.9	16	70	141.2	63.0	15.2	115.0	170	30	29.3	5.3
FBN8018D75	20×4.9	16	75	141.2	63.0	15.2	115.0	170	30	29.3	5.3

∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

TYPE **FBN**

m Carbon Structural Steel h High-frequency Hardened Teeth

Model Number	Keyway b×t²	M	ϕD H7	Body Dimensions L	BL	S	BD	O	a	C	Weight kg
FBN8022D40	12×3.3	8	40	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D42	12×3.3	8	42	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D45	14×3.8	10	45	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D48	14×3.8	10	48	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D50	14×3.8	10	50	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D55	16×4.3	12	55	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D60	18×4.4	12	60	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D65	18×4.4	12	65	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D70	20×4.9	16	70	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D75	20×4.9	16	75	157.2	71.0	15.2	143.0	202	30	29.3	9.1
FBN8022D80	22×5.4	16	80	157.2	71.0	15.2	143.0	202	30	29.3	9.1

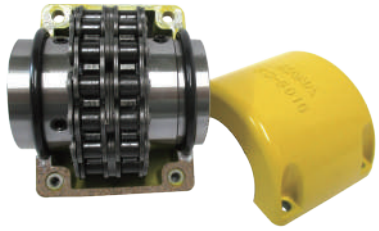
∗M is a set screw. ∗ The seal set screws differ from the usual due to the boss type.

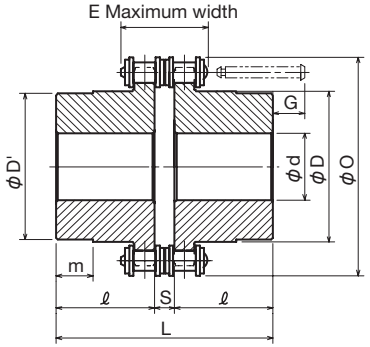
Caution

∗ A dedicated chain and case are required for use.

∗ Please refer to P.354 if you would like to order a set.

Chain Couplings





The chain coupling consists of a shaft coupling assembled from 2 rows of roller chain and 2 sprockets which engage them.
The chain ends can be simply connected or dismantled.
The original KANA structure is such that the case has been split into two perpendicularly to the shaft, and the cases 3012 to 8022 have a V-shaped groove on both sides with an O-ring inserted to prevent oil leaks.

◇ Standard Chain Coupling Body m Carbon Structural Steel h High-frequency Hardened Teeth

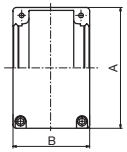
Product Code	Chain in Use		Shaft Diameter Range d		Body Dimensions								Approx. Weight kg
	Pitch	E	Minimum (prepared hole H10)	Maximum	O	D	D'	m	L	ℓ	S	G	
3012H	9.525	23.9	14(12)	16	45	26.5	25	5.5	64.8	29.8	4.8	6	0.5
4012H	12.70	32.0	14(12)	22	61	36	33	10	79.4	36	7.4	11	0.8
4014H	12.70	32.0	14(12)	30	69	45	43	9	79.4	36	7.4	11	1.2
4016H			16(14.5)	32	77	51	48	15	87.4	40		7	1.5
5014H	15.875	39.9	16(14)	35	86	56	53	16	99.7	45	9.7	12	2.2
5016H			18(16)	40	96	63	60	16					2.7
5018H	15.875	39.9	18(16)	45	106	73	70	16	99.7	45	9.7	12	3.8
6018H	19.05	52.5	22(20)	55	128	88	85	18	123.5	56	11.5	19	6.2
6020H	19.05	52.5	22(20)	60	140	102.5	98	16	123.5	56	11.5	19	8.4
6022H			22(20)	70	152	115	110	12					10.5
8018H	25.40	66.2	22(20)	80	170	114.8	110	14.5	141.2	63	15.2	31	12.7
8020H			22(20)	85	186	125	121	11.5	145.2	65		29	16.5
8022H	25.40	66.2	22(20)	100	202	143	140	18.5	157.2	71	15.2	23	20.3
10020H	31.75	79.0	27(25)	110	232	162	160	41	178.8	80	18.8	32	33.0
12018H	38.10	101.2	37(35)	125	255	173	170	56	202.7	90	22.7	53	47.0
12022H			37(35)	140	303	213	210	55	222.7	100		43	72.1

Order Product Code

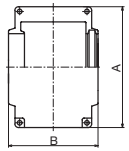
3012H Body
(2 MB sprockets + 1 chain) 1 Set
3012C Case

∗ Content of the Body

Format 1
3012C to 8022C
(Method with O-ring seals on both sides)



Format 2
10020C to 12022C
(method where one side is fixed and the other is a Z-type oil seal)



3012L
Coupling No.

∗ You may order just the chain if required.

◇ Dedicated Case m Aluminum

Product Code	A	B	Weight (kg)
3012C	69	63	0.2
4012C	77	72	0.3
4014C	84	75	0.3
4016C	92	75	0.4
5014C	101	85	0.5
5016C	111	85	0.5
5018C	122	85	0.6
6018C	142	106	0.9
6020C	158	105	1.1
6022C	168	117	1.3
8018C	190	129	2.1
8020C	210	137	2.5
8022C	226	137	2.9
10020C	281	153	4.4
12018C	307	181	5.2
12022C	357	181	7.0

◇ Dedicated Chain m Steel

Product Code	Weight (kg)
3012L	0.1
4012L	0.2
4014L	0.2
4016L	0.3
5014L	0.4
5016L	0.5
5018L	0.6
6018L	1.0
6020L	1.2
6022L	1.3
8018L	2.3
8020L	2.5
8022L	2.7
10020L	4.8
12018L	7.6
12022L	9.3

A1 Multi-EP Grease No.2

Order Product Code

MB **4012**
Type Model No.
Chain Coupling No.

m Carbon Structural Steel h High-frequency Hardened Teeth

Body Dimensions		Chain Coupling No.		Prepared Hole	Shaft Hole Machining Limits		Weight kg
BL	BD	Type	Product Code		Minimum	Maximum	
29.8	26.5	MB Minimum Bore Shaft Hole Non-machined Product Body Side	MB3012	12	14	16	0.2
36.0	36.0		MB4012	12	14	22	0.3
36.0	45.0		MB4014	12	14	30	0.5
40.0	51.0		MB4016	14.5	16	32	0.6
45.0	56.0		MB5014	14	16	35	0.9
45.0	63.0		MB5016	16	18	40	1.1
45.0	73.0		MB5018	16	18	45	1.6
56.0	88.0		MB6018	20	22	55	2.6
56.0	102.5		MB6020	20	22	60	3.6
56.0	115.0		MB6022	20	22	70	4.6
63.0	114.8		MB8018	20	22	80	5.2
65.0	125.0		MB8020	20	22	85	7.0
71.0	143.0		MB8022	20	22	100	8.8
80.0	162.0		MB10020	25	27	110	14.1
90.0	173.0		MB12018	35	37	125	19.7
100.0	213.0		MB12022	35	37	140	31.4

∗ An MB sprocket is on one side of the body (only 1 sprocket).

Chain Coupling Guide

Chain Coupling With Attached Case

Q. Which model do I need if I want to order chain couplings with cases?

A. Models differ by shaft hole/key groove machining, NOT MACHINED <--> MACHINED.

<Not Machined> ∗If you would like Coupling No. 5014

Model	Quantity
5014H	x 1
5014C	x 1

5014H (Body)

5014C (Case)

For the body, 2 x MB sprockets (with no inner diameter machining) and a chain are packed together as a set.
For the <Not Machined> case, you do not need to order chains individually.

<Inner Diameter Machined>
∗ Coupling No. 5014 If you would like inner diameter D20 and D30

Model	Quantity
FBN5014D20	x 1
FBN5014D30	x 1
5014C	x 1
5014L	x 1

Ordering cases is the same as for <Not Machined>.

As chains must be ordered as single items, please take care.

FBN5014D20 (inner diameter D20)

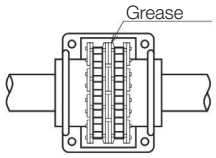
FBN5014D30 (inner diameter D30)

5014L (chain only)

◆For chain couplings, we recommend that you include a case, and apply grease.
(1) When using at high rotational speed.
(2) When using it in a dusty/dirty environment, for example, or in a humid atmosphere.
(3) Scattering of the lubricant agent is prevented and also any intrusion of dust/dirt.
(4) The outer appearance looks smart while reducing danger.
Lubrication significantly lengthens the life of the coupling.

[Cap Bolt Module Size]

Dedicated Case No.	M	Dedicated Case No.	M
3012C	M5	6018C	M 8
4012C	M5	6022C	M 8
4014C	M5	8020C	M 8
4016C	M5	10020C	M 8
5014C	M6	12018C	M10
5016C	M6	12022C	M10
5018C	M6	∗ Module M	

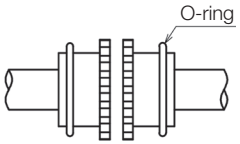


Chain Coupling No.	Grease Weight kg	O-ring/Z-seal	
		Standards	Model Number
3012	0.05	JIS2401	P25
4012	0.09	JIS2401	P32
4014	0.10	JIS2401	P42
4016	0.12	JIS2401	P48A
5014	0.15	JIS2401	P53
5016	0.18	JIS2401	P60
5018	0.25	JIS2401	P70
6018	0.40	JIS2401	P85
6020	0.50	AN6227	47
6022	0.50	JIS2401	P110
8018	0.80	JIS2401	P110
8020	1.00	JIS2401	P120
8022	1.00	AN6227	60
10020	1.70	-	ZF36
12018	3.30	-	ZF38
12022	4.30	-	ZF46

Chain Couplings

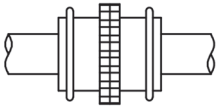
■ Mounting
The chain coupling can be used to connect both shafts even if the centering is not quite correct; however, if the centering error is too large the shaft bearing may become damaged, shortening the life of the coupling.
Centering as correctly as possible will help to protect the machine and allow the coupling to be used longer.

(1) Always attach an O-ring to the sprocket boss before mounting the shaft.



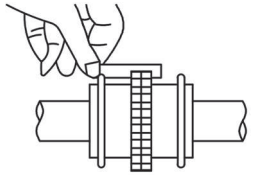
(2) Correct the angle error by seating it securely to the sprocket side.

Allowable Error α = 1° or Less

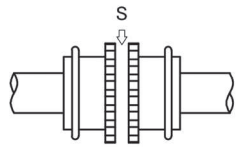


(3) Apply a straightedge to the teeth of the 2 sprockets to correct eccentricity.

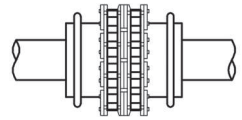
Allowable Error ε = 2% or less of chain pitch



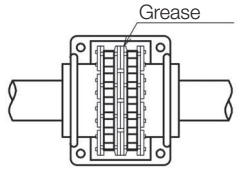
(4) Set the distance between sprockets to the S dimension (refer to the dimensions table) and secure the sprockets with set bolts.



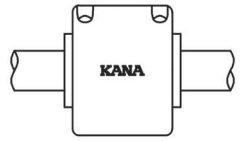
(5) Apply grease between both sprockets and to the chain, wind around both sprockets, and fix with a joint pin.



(6) Put the specified amount of grease into both sides of the case.



(7) Finally, securely fasten using 4 bolts.
For machines that rotate at high speeds or have severe vibration, apply thread lock to the bolts before fastening the case.



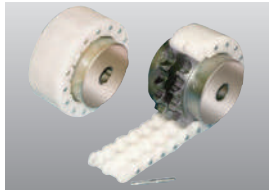
Mount at α = 0.5° or less and ε = 1% or less of chain pitch if using at 1/3 or more of the maximum rotation speed listed in the transmission capacity chart (right of the bold line).

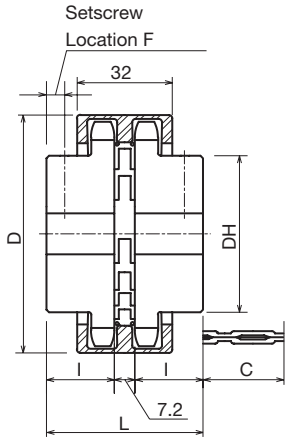
Plastic Chain Couplings

Order Product Code

CE416S Set
CE416 Chain Only

Coupling No.





The KANA plastic chain coupling is a flexible coupling consisting of an assembly of 1 plastic chain and 2 sprockets. Clean transmission is possible without the necessity for grease.

Coupling S	m Material	h Heat Treatment	s Surface Treatment
Chain	Polyacetal Resin	--	--
Sprockets	Carbon Steel	High-frequency Hardened Teeth	Trivalent UniChrome Plating (White)
Joint Pin	Common Steel	--	Trivalent UniChrome Plating (White)

Couplings No.	Shaft Diameter		Moment of inertia x10^{-3} kg·m^2	GD^2 x10^{-3}	Dimensions						Approx. Weight kg
	Prepared Hole	Maximum Shaft Diameter			D	DH	L	I	F	C	
CE410	9.5	18	0.08	0.33	51.8	* 32	51.2	22	5	22.8	0.35
CE411	10.5	20	0.12	0.47	55.9	* 36					0.46
CE412	10.5	22	0.17	0.67	60.1	* 40	51.2	22	5	22.8	0.53
CE413	13.5	25	0.20	0.78	64.2	37			6		0.55
CE414	13.5	28	0.27	1.08	68.3	42	51.2	22	6	22.8	0.66
CE415	13.5	30	0.36	1.43	72.4	46					0.79
CE416	13.5	32	0.47	1.86	76.5	50	51.2	22	6	22.8	0.92
CE417	13.5	35	0.59	2.37	80.6	54					1.0
CE418	13.5	40	0.73	2.93	84.7	57	51.2	22	6	22.8	1.1
CE419	13.5	40	0.94	3.74	88.8	62					1.3
CE420	14.5	45	1.27	5.09	93.0	67	57.2	25	7	19.8	1.6
CE421	14.5	45	1.56	6.23	97.1	71					1.9
CE422	14.5	50	1.89	7.55	101.1	75	57.2	25	7	19.8	2.0
CE424	14.5	42	1.84	7.35	109.3	63					1.8
CE426	14.5	42	2.32	9.29	117.4	63	57.2	25	7	19.8	2.0
CE430	14.5	42	3.65	14.61	133.6	63					2.4

Caution

* The moment of inertia, GD^2, is for the prepared hole case.
* Prepared holes have been finished for the dimensions shown and smaller.
* Sprockets with a * symbol have a groove in the boss outer diameter.
* A specially plated sprocket with smoothly finished tooth sections is used for the plastic chain coupling.

Plastic Chain Couplings

■ Mounting

Centering when mounting will allow the coupling to be used for a longer period of time, and should thus be as accurate as possible.

1. Set the gap between coupling and sprocket to 7.2mm and secure each sprocket with a set screw.

2. Angle error (10T to 19T) of up to α = 1.0° is allowable but when mounting, α = 0.5° or less should be achieved by centering. As in Fig. 1 below, use a gap gauge to measure positions A, B, C, D (4 locations) and correct the angle error. Correct the error between A-C in the vertical direction and B-D in the horizontal direction.

3. The eccentricity error should be corrected by using a straightedge to match the teeth of both sprockets. When correcting the error, set the angle to 90° (as in Fig. 2) in at least 2 locations.

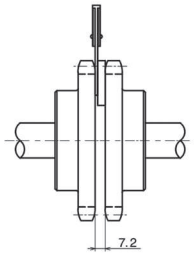
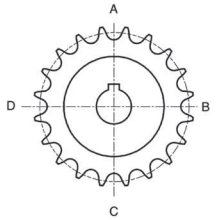


Figure 1



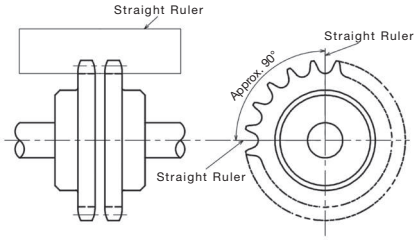


Figure 2

4. Wind on the chain and fix with a joint pin. If the centering is correct, mounting will go smoothly.

■ Removal

First, check that no torque is being applied to the coupling.
After confirmation, remove a pin (any pin) and then remove the chain and sprockets.

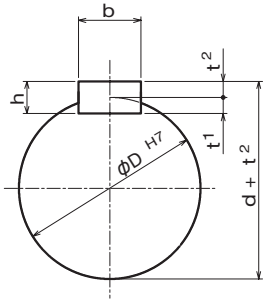
■ Precautions for Use

Use the coupling within the torque, rpm, and kW specified in the transmission performance table.
We recommend attaching a safety cover to prevent fragments from flying about just in case a coupling chain is damaged.

Shaft hole diameter tolerance/Keyway Dimension Table

◇ Shaft Hole Diameter Tolerance

Diameter Classification φD	H7
5 - 6	0 - +0.018 (H8)
7 - 10	0 - +0.015
11 - 18	0 - +0.018
19 - 30	0 - +0.021
31 - 50	0 - +0.025
51 - 80	0 - +0.030



◇ New JIS Keyway Dimension Table

Shaft Diameter φd	Key Designation Dimension Width×Height b×h	Keyway Depth	
		t1	d+t2
6≤φd≤ 8	2× 2	1.2	d + 1.0
8<φd≤ 10	3× 3	1.8	d + 1.4
10<φd≤ 12	4× 4	2.5	d + 1.8
12<φd≤ 17	5× 5	3.0	d + 2.3
17<φd≤ 22	6× 6	3.5	d + 2.8
22<φd≤ 30	8× 7	4.0	d + 3.3
30<φd≤ 38	10× 8	5.0	d + 3.3
38<φd≤ 44	12× 8	5.0	d + 3.3
44<φd≤ 50	14× 9	5.5	d + 3.8
50<φd≤ 58	16×10	6.0	d + 4.3
58<φd≤ 65	18×11	7.0	d + 4.4
65<φd≤ 75	20×12	7.5	d + 4.9
75<φd≤ 85	22×14	9.0	d + 5.4
85<φd≤ 95	25×14	9.0	d + 5.4
95<φd≤110	28×16	10.0	d + 6.4
110<φd≤130	32×18	11.0	d + 7.4
130<φd≤150	36×20	12.0	d + 8.4
150<φd≤170	40×22	13.0	d + 9.4
170<φd≤200	45×25	15.0	d + 10.4
200<φd≤230	50×28	17.0	d + 11.4

◇ Old JIS Keyway Dimension Table

Shaft Diameter φd	Key Designation Dimension Width×Height b×h	Keyway Depth	
		t1	d+t2
10≤φd≤ 13	4× 4	2.5	d + 1.5
13<φd≤ 10	5× 5	3.0	d + 2.0
20<φd≤ 30	7× 7	4.0	d + 3.0
30<φd≤ 40	10× 8	4.5	d + 3.5
40<φd≤ 50	12× 8	4.5	d + 3.5
50<φd≤ 60	15×10	5.0	d + 5.0
60<φd≤ 70	18×12	6.0	d + 6.0
70<φd≤ 80	20×13	7.0	d + 6.0
80<φd≤ 95	24×16	8.0	d + 8.0
95<φd≤110	28×18	9.0	d + 9.0
110<φd≤125	32×20	10.0	d + 10.0
125<φd≤140	35×22	11.0	d + 11.0
140<φd≤160	38×24	12.0	d + 12.0
160<φd≤180	42×26	13.0	d + 13.0
180<φd≤200	45×28	14.0	d + 14.0
200<φd≤224	50×31.5	16.0	d + 15.5
224<φd≤250	56×35.5	18.0	d + 17.5