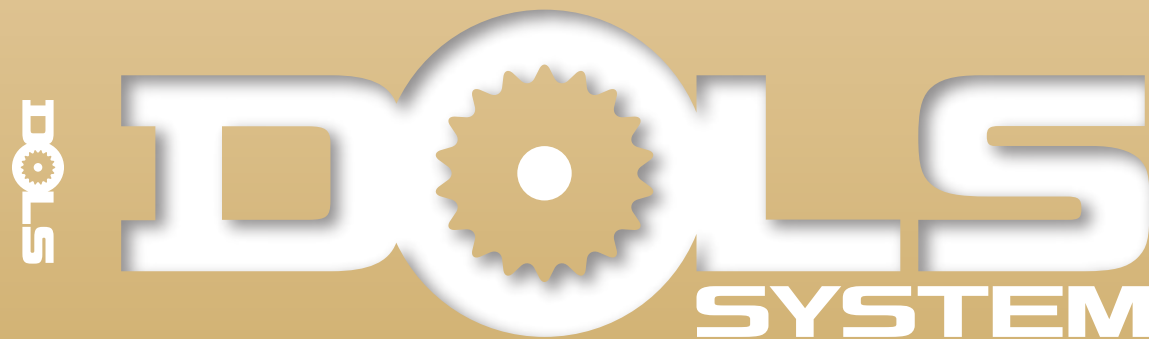


Direct

Order

Line

Service



PRODUCTS GUIDE

PRODUCTS GUIDE

KANA

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.

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No.20001

KANA

片山チエン株式会社
KATAYAMA CHAIN CO., LTD.

Company Profile

Name: Katayama Chain, Co., Ltd.

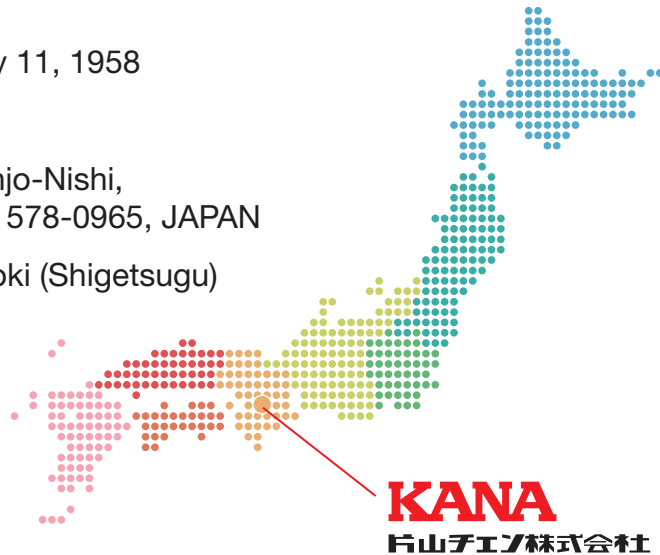
Trademark: KANA

Established: February 11, 1958

Founded: 1919

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

Representative: Tomoki (Shigetsugu)
Katayama



Product Line Up

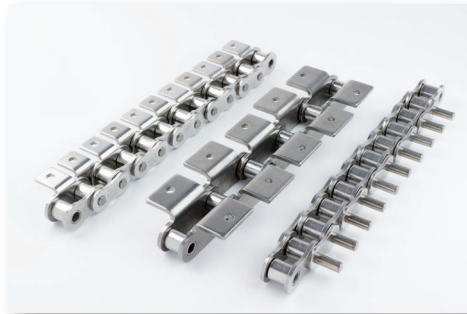


Sprockets

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

We are the top sprocket sales company in Japan.

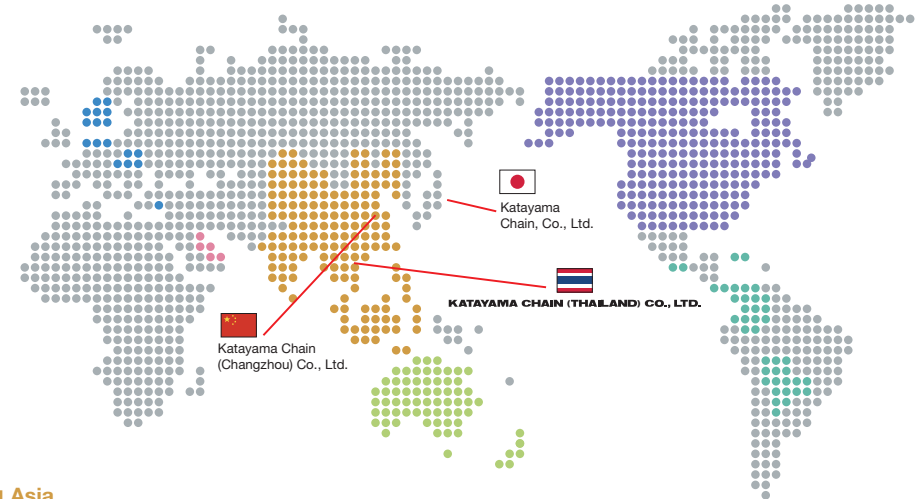
We also supply a wide range of transmission parts, shaft couplings, and accessories.



Roller Chains

Our roller chains are used in a wide range of industries

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.



KANA Roller Chains

| | |
|---|---|
|  <p>Model Number: KANA25-1 to 200-1</p> <p>P.14</p> |  <p>Model Number: KANA25-2 to 200-2</p> <p>P.15</p> |
| <p>KANA Standard Roller Chains-Simplex</p> | <p>KANA Standard Roller Chains-Duplex</p> |
|  <p>Model Number: KANA40-3 to 160-3</p> <p>P.16</p> |  <p>Model Number: KANA40-4 to 120-4</p> <p>P.17</p> |
| <p>KANA Standard Roller Chains-Triplex</p> | <p>KANA Standard Roller Chains-Multiple</p> |
|  <p>Model Number: KANA04-1 to 32B-1</p> <p>P.18</p> |  <p>Model Number: KANA05B-2 to 32B-2</p> <p>P.19</p> |
| <p>KANA Standard Roller Chains-Simplex</p> | <p>KANA Standard Roller Chains-Duplex</p> |
|  <p>Model Number: KANA06B-3 to 32B-3</p> <p>P.20</p> |  <p>Model Number: KANA25H-1 to 140H-1</p> <p>P.21</p> |
| <p>KANA Standard Roller Chains-Triplex</p> | <p>KANA Heavy Duty Series Roller Chains</p> |
|  <p>Model Number: KANA A2040 to A2080</p> <p>P.22</p> |  <p>Model Number: KANA C40-1 to C120-1 KANA C40-2 to C120-2</p> <p>P.23</p> |
| <p>KANA Double Pitch Transmission Chains</p> | <p>KANA Roller Chains with Straight Side Plates</p> |

KANA Roller Chains

| | |
|--|--|
|  <p>Model Number: KANA C08B-1 to C24B-2</p> <p>P.24</p> |  <p>Model Number: KANA25 to 120 KANA06B to 24B</p> <p>P.25</p> |
| <p>KANA Roller Chains with Straight Side Plates</p> | <p>KANA Roller Chains with Attachments (A1/K1)</p> |
|  <p>Model Number: KANA25 to 120 KANA06B to 24B</p> <p>P.26</p> |  <p>Model Number: KANA25 to 120 KANA06B to 24B</p> <p>P.27</p> |
| <p>KANA Roller Chains with Attachments (SA1/SK1)</p> | <p>KANA Roller Chains with Attachments (WA1/WA2/WK1/WK2)</p> |
|  <p>Model Number: KANA25 to 120 KANA06B to 24B</p> <p>P.28</p> |  <p>Model Number: KANA C2040 to C2120H</p> <p>P.29</p> |
| <p>KANA Roller Chains with Attachments (WSA1/WSA2/WSK1/WSK2)</p> | <p>KANA Double Pitch Conveyor Chains</p> |
|  <p>Model Number: KANA C2040 to C2082H</p> <p>P.30</p> |  <p>Model Number: KANA C2040 to C2082H</p> <p>P.31</p> |
| <p>KANA Double Pitch Conveyor Chains with Attachments (A1/A2/K1/K2)</p> | <p>KANA Double Pitch Conveyor Chains with Attachments (SA1/SA2/SK1/SK2)</p> |
|  <p>Model Number: KANA S32 to S62</p> <p>P.32</p> |  <p>Model Number: KANA CA550 to CA620</p> <p>P.33</p> |
| <p>KANA S type Steel Agricultural Chains</p> | <p>KANA CA type Steel Agricultural Chains</p> |

KANA Roller Chains



Model Number: KANA25SS-1 to 100SS-1
KANA05BSS-1 to 20BSS-1

P.34

KANA Stainless Steel Roller Chains



Model Number: KANA C2040SS to C2082HSS

P.35

KANA Stainless Steel Double Pitch Roller Chains

KCM Roller Chains



Model Number: KCM06B to 200

P.40 to P.43

KCM Standard Roller Chains



Model Number: KCM25-SUS to 100-SUS

P.44 to P.45

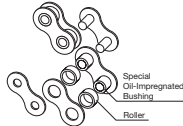
KCM Stainless Steel Chains



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

P.46 to P.47

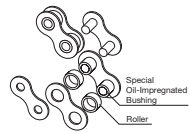
KCM SSP Chains



Model Number: KCM40NL to 80NL

P.48 to P.49

KCM Ultra Roller Chains (Oilless Type)



Model Number: KCM40NL-SUS to 60NL-SUS

P.51

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



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

P.52 to P.55

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



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

P.56 to P.59

KCM Roller Chains with A1/K1 Type Attachments



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

P.60 to P.61

KCM Stainless Steel Chains with A1/K1 Type Attachments

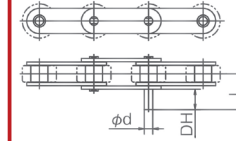
KCM Roller Chains



Model Number: KCM40 to 80

P.62 to P.63

KCM Roller Chains with Attachments



Model Number: KCM35 to 160
KCMC2040 to C2122H

P.64 to P.65

KCM Double Pitch Chains with EP Attachments



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

P.66 to P.69

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



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

P.70 to P.71

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



Model Number: KCMC2040 to C2122H

P.72

KCM Double Pitch Chains with Standard Attachments



Model Number: KCMC2042 DL to C2122H DL

P.73

KCM Conveyor Double Pitch Chains (DL)



Model Number: KCM40 to 100

P.74

KCM Chains with Attached Top Roller



Model Number: KCMC2040 to C2102H

P.75

KCM Double Pitch Chains with Top Roller



Model Number: KCM40 to 100

P.76

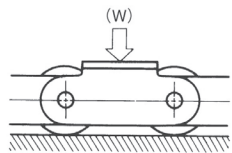
KCM Roller Chains with Side Roller



P.77

KCM Double Pitch Chains with Side Roller

KCM Roller Chains



P.78 to P.79

KCM Small Conveyor Chains Selection



Model Number: KCM40H to 100H

P.80 to P.81

KCM H Type Heavy-Duty Chains



Model Number: KCM40-SUSAS to 80-SUSAS

P.82 to P.83

KCM High-Strength Type Stainless Steel (AS) Chains



Model Number: 11-SUS to 15

P.84

Micropitch Chains



Model Number: KCM40SB to 60SB

P.85

KCM Side Bow Chains



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

P.86 to P.87

KCM Rostop (Plated) Chains



Model Number: KCM40HP to 60HP
KCMC2040HP to C2060HP

P.88 to P.89

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



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

P.90 to P.91

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



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

P.92 to P.95

KCM Special Configuration Roller Chains with Attachments

Triple Speed/Carrier (Transport) Chains



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

P.96

Triple Speed/Carrier Chains



Model Number: C3B9N to C6B12

P.97

Triple Speed/Carrier Sprockets

Chain Accessories



Model Number: CK/CKA

P.98 to P.101

Chains Cutters/Chain Cutter Sets Products



Model Number: ST/CPL/DT

P.102 to P.103

Straight Punch Chain Pullers/Chain Detachers

Idlers & Tensioners



Model Number: ID/SUSID/WID/EPID

P.104 to P.108

Idler Sprockets



Model Number: TSBW

P.111

Straight Tension



Model Number: TMB

P.112 to P.113

Tensioner TM Series



Model Number: THB/SPC/LAT

P.114 to P.117

Tight-Holder THB Series

Transmission Accessories



Model Number: KMH/KMHS

P.334 to P.335

Machine Keys

Conveyor Chains/
Sprockets



P.336 to P.338

Conveyor Chains R/F/S (M)



P.342 to P.347

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

| 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 | -- | | | | | |

| 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 | -- | -- |

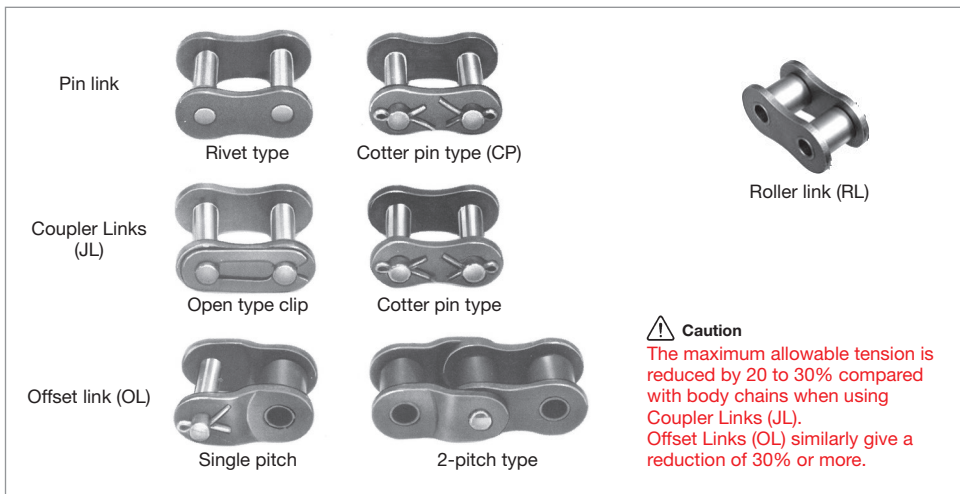
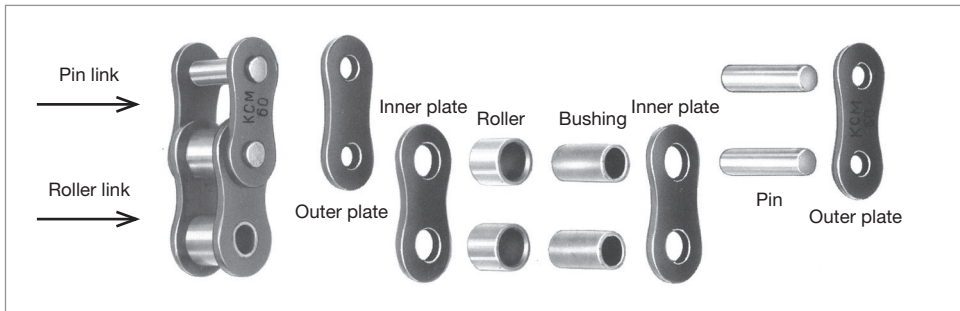
| Style | Type | Sprocket No. and the page no. it appears on | | | | | | | | | |
|---|-------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 40 | 50 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 |
|  | HG-A Hardened Teeth Sprocket | P.180 | 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 | -- | -- |

| 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 |

| 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



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 **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 **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.

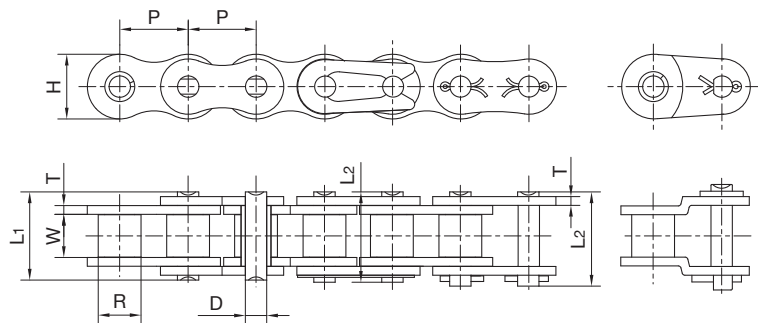


KANA Standard Roller Chains

Simplex Roller Chains & Bush Chains

● Order No. Example
KANA 40-1R 240 Links
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 | | Link Plate Width H mm | Link Plate Thickness T mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------------|----------------------------------|-----------------------------------|-------------------------|------------|----------|-----------------------------|---------------------------------|--------------------------------|------------------------|
| | | | | | L1 mm | L2 mm | | | | |
| *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 |

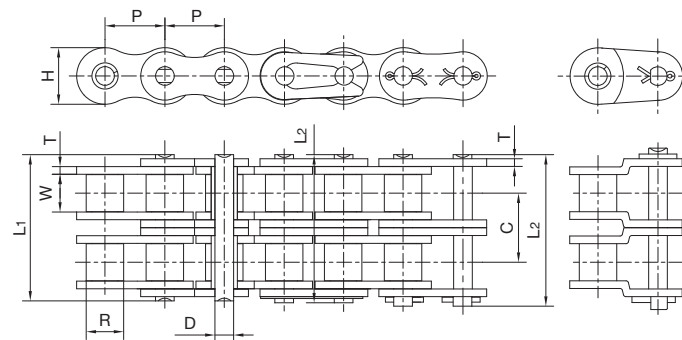
*Bush chain: R in the table indicates the external diameter of the bush

KANA Standard Roller Chains

Duplex Roller Chains & Bush Chains

● Order No. Example
KANA 40-2R 240 Links
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 | | Link Plate Width H mm | Link Plate Thickness T mm | Transverse Pitch C mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------------|----------------------------------|-----------------------------------|-------------------------|------------|----------|-----------------------------|---------------------------------|-----------------------------|--------------------------------|------------------------|
| | | | | | L1 mm | L2 mm | | | | | |
| *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 |

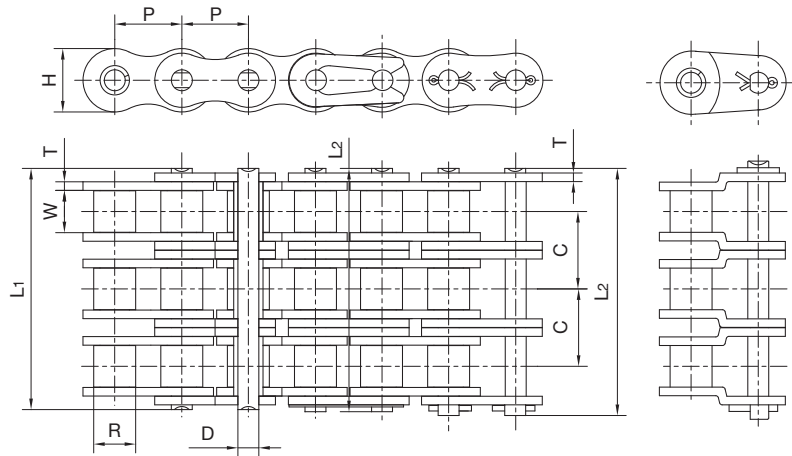
*Bush chain: R in the table indicates the external diameter of the bush

KANA Standard Roller Chains

Triplex Roller Chains

● Order No. Example
KANA 40-3R 240 Links
10ft

Chain No. Unit



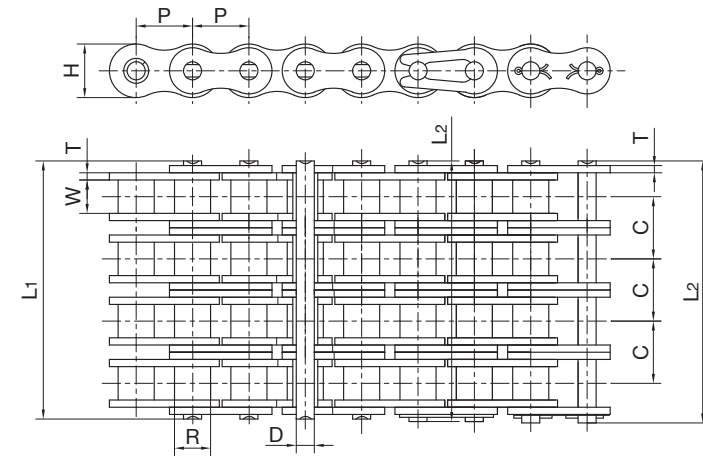
| Chain No. | Pitch P mm | Roller Outer Diameter R mm | Inner Link Inner Width W mm | Pin Diameter D mm | Pin Length | | Link Plate Width H mm | Link Plate Thickness T mm | Transverse Pitch C mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|---------------------------|-----------------------|-----------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | | | |
| 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
10ft

Chain No. Unit



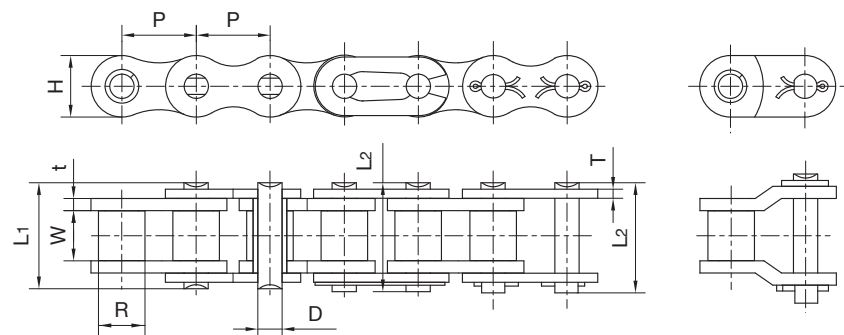
| Chain No. | Pitch P mm | Roller Outer Diameter R mm | Inner Link Inner Width W mm | Pin Diameter D mm | Pin Length | | Link Plate Width H mm | Link Plate Thickness T mm | Transverse Pitch C mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|---------------------------|-----------------------|-----------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | | | |
| 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
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 | | Link Plate Width H mm | Link Plate Thickness t/T mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|-----------------------------|-----------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | | |
| 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 |

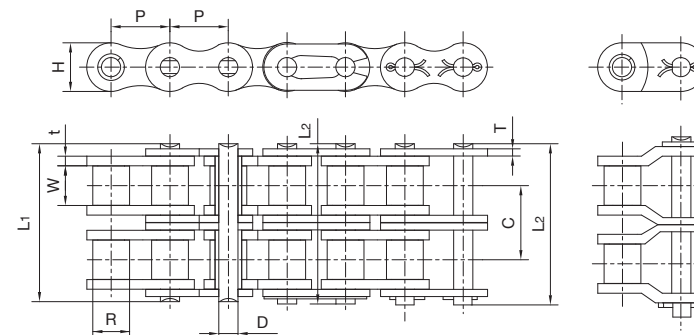
*Straight side plates

KANA Standard Roller Chains

Duplex Roller Chains

● Order No. Example
KANA 08B-2R 240 Links
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 | | Link Plate Width H mm | Link Plate Thickness t/T mm | Transverse Pitch C mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|-----------------------------|-----------------------|-----------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | | | |
| 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 |

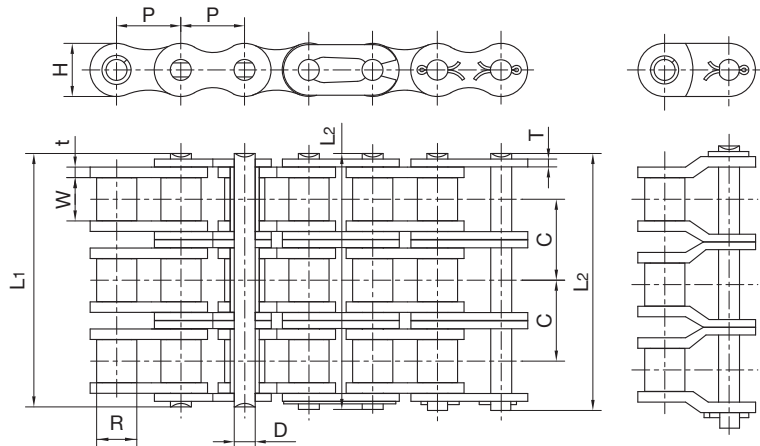
*Straight side plates

KANA Standard Roller Chains

Triplex Roller Chains

● Order No. Example
KANA 08B-3R 240 Links
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 | | Link Plate Width H mm | Link Plate Thickness t/T mm | Transverse Pitch C mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|-----------------------------|-----------------------|-----------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | | | |
| *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 |

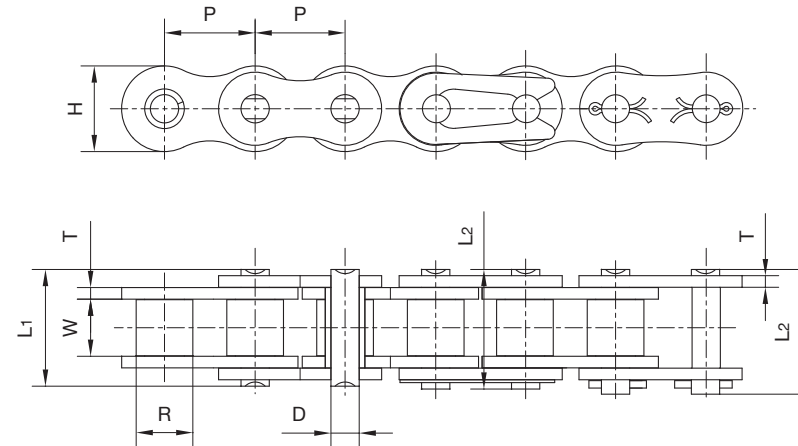
*Straight side plates

KANA Heavy Duty Series Roller Chains

Simplex Roller Chains & Bush Chains

● Order No. Example
KANA 40H-1R 240 Links
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 | | Link Plate Width H mm | Link Plate Thickness T mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|---------------------------|-----------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | | |
| *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

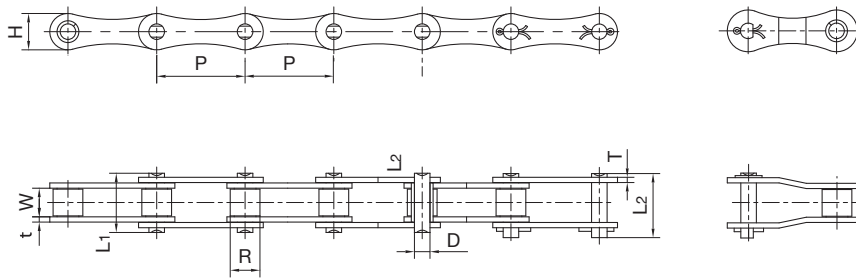
KANA Double Pitch Transmission Chains

● Order No. Example

KANA A2040 120 Links
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 | | Link Plate Width H mm | Link Plate Thickness t/T mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------------|----------------------------------|-----------------------------------|-------------------------|------------|----------|-----------------------------|-----------------------------------|--------------------------------|------------------------|
| | | | | | L1 mm | L2 mm | | | | |
| 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 |

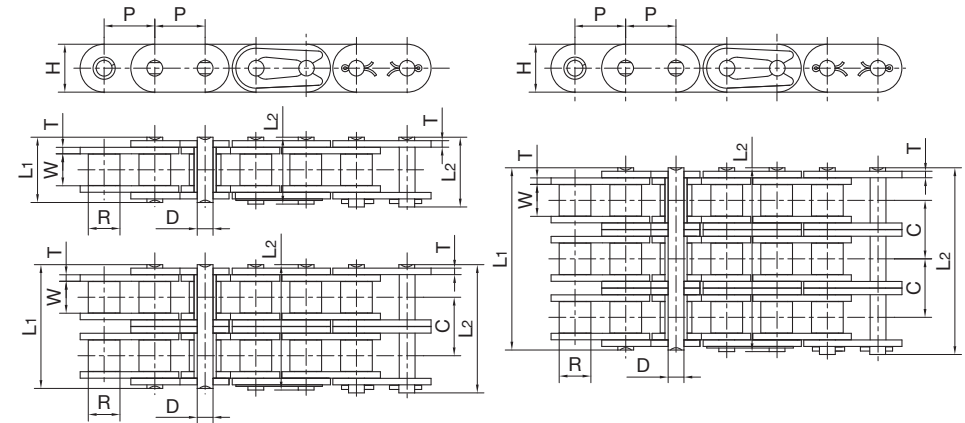
KANA Roller Chains with Straight Side Plates

● Order No. Example

KANA C40-1R 240 Links
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 | | Link Plate Width H mm | Link Plate Thickness T mm | Transverse Pitch C mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------------|----------------------------------|-----------------------------------|-------------------------|------------|----------|-----------------------------|---------------------------------|-----------------------------|--------------------------------|------------------------|
| | | | | | L1 mm | L2 mm | | | | | |
| 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 |

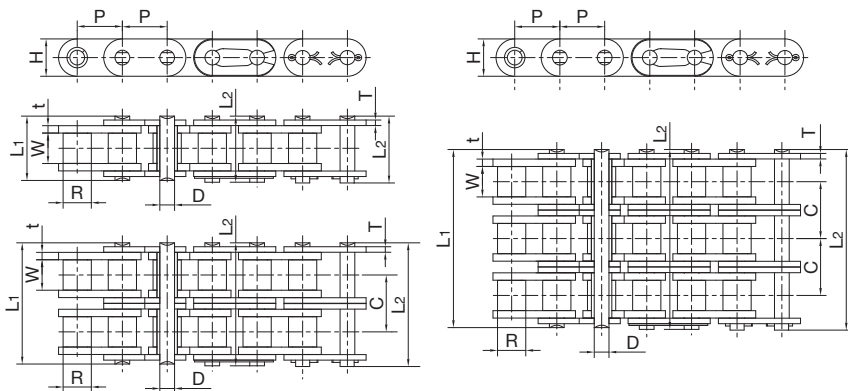
KANA Roller Chains with Straight Side Plates

● Order No. Example

KANA C08B-1R 240 Links
10ft

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 | | Link Plate Width H mm | Link Plate Thickness t/T mm | Transverse Pitch C mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|-----------------------------|-----------------------|-----------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | | | |
| 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

Chain No.

Type

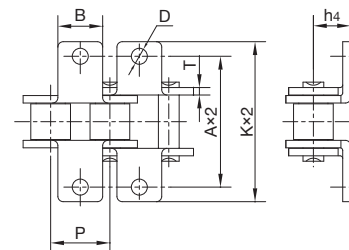
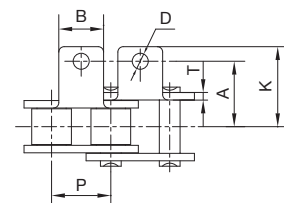
Unit

Configuration



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

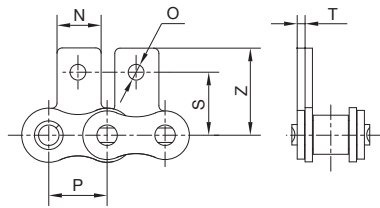
Order No. Example

KANA 40 - ALL SA1 240 Links
10ft

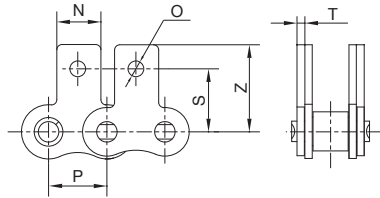
Chain No. Configuration Type Unit



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

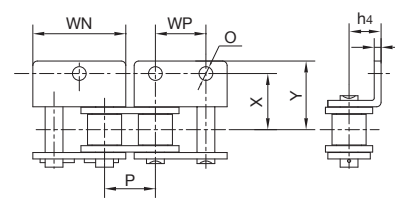
Order No. Example

KANA 40 - 2L WA1 240 Links
10ft

Chain No. Configuration Type Unit



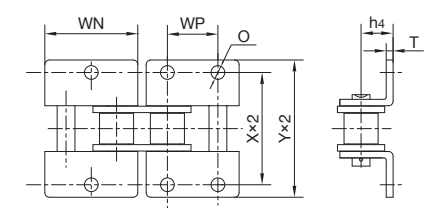
WA1



WA2



WK1



WK2

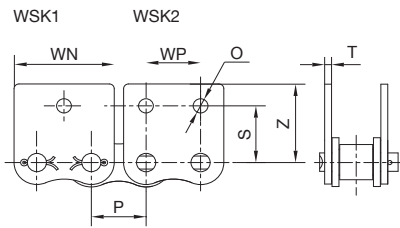
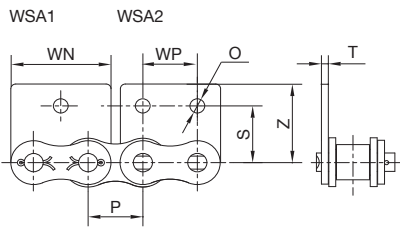
| Chain No. | P mm | WN mm | WP mm | X mm | Y mm | T mm | h4 mm | O mm |
|-----------|--------|-------|--------|-------|-------|------|-------|-------|
| 25 | 6.35 | 11.41 | 6.35 | 13.80 | 23.2 | 0.8 | 4.30 | 3.40 |
| 35 | 9.525 | 17.32 | 9.525 | 19.00 | 28.6 | 1.3 | 6.35 | 2.80 |
| 40 | 12.70 | 23.00 | 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
 Chain No. Configuration Type Unit



| 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 |

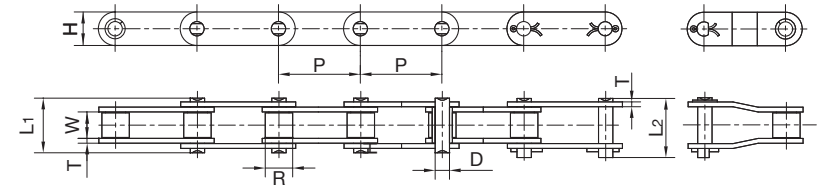
*Straight side plates

KANA Double Pitch Conveyor Chains

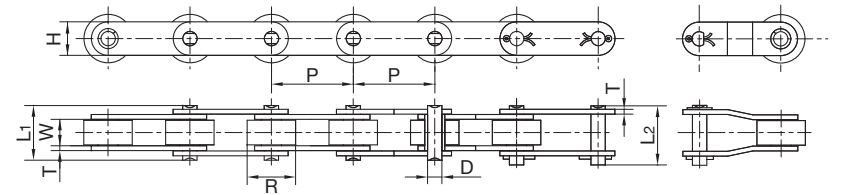
● Order No. Example

KANA C2040 120 Links 10ft
 Chain No. Unit

Small Roller Type



Large Roller Type



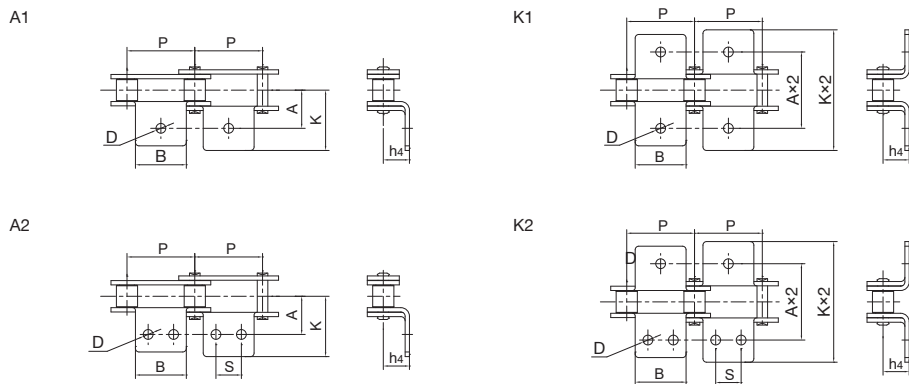
| Chain No. | Pitch P mm | Roller Outer Diameter R mm | Inner Link Inner Width W mm | Pin Diameter D mm | Pin Length | | Link Plate Width H mm | Link Plate Thickness T mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|---------------------------|-----------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | | |
| 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

Chain No. Configuration Type Unit



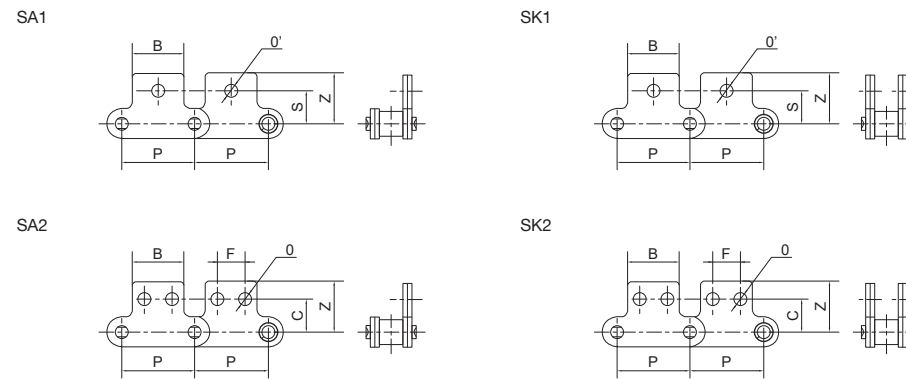
| Chain No. | P mm | B mm | S mm | A mm | K mm | h ₄ mm | D mm |
|-----------|-------|------|------|------|------|-------------------|------|
| C2040 | 25.40 | 19.1 | 9.5 | 25.4 | 39.6 | 9.1 | 3.4 |
| C2042 | | | | | | | |
| C2050 | 31.75 | 23.8 | 11.9 | 31.8 | 49.0 | 11.1 | 5.5 |
| C2052 | | | | | | | |
| 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

Chain No. Configuration Type Unit



| 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 | | | | | | | | |

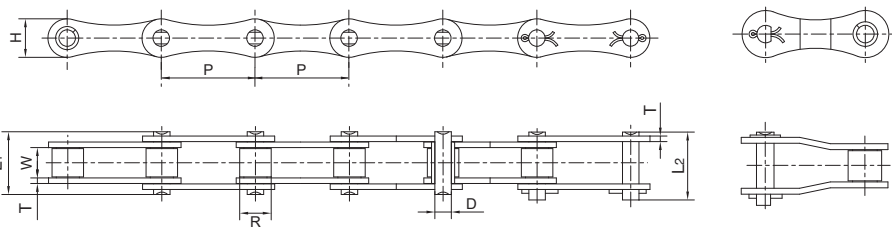
KANA S type Steel Agricultural Chains

● 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 | | Link Plate Width H mm | Link Plate Thickness T mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------------|----------------------------------|-----------------------------------|-------------------------|------------|----------|-----------------------------|---------------------------------|--------------------------------|------------------------|
| | | | | | L1 mm | L2 mm | | | | |
| 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 |

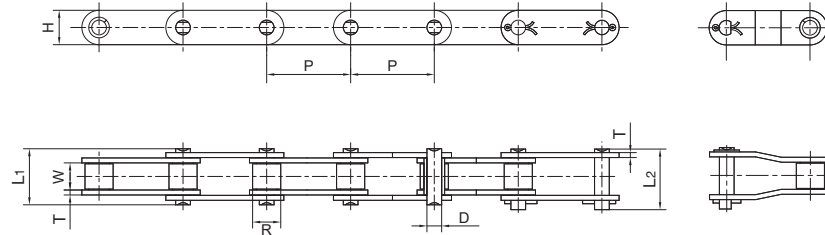
KANA CA type Steel Agricultural Chains

● Order No. Example

KANA CA620 72 Links
10ft

Chain No.

Unit

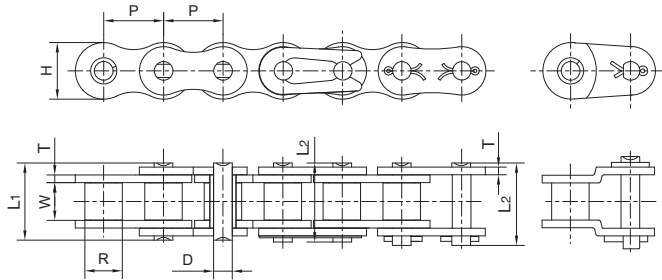


| Chain No. | Pitch P mm | Roller Outer Diameter R mm | Inner Link Inner Width W mm | Pin Diameter D mm | Pin Length | | Link Plate Width H mm | Link Plate Thickness T mm | Average Tensile Strength kN | Approx. Weight kg/m |
|-----------|------------------|----------------------------------|-----------------------------------|-------------------------|------------|----------|-----------------------------|---------------------------------|--------------------------------|------------------------|
| | | | | | L1 mm | L2 mm | | | | |
| 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 | | Link Plate Width H mm | Link Plate Thickness T mm | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|---------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | |
| *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 |

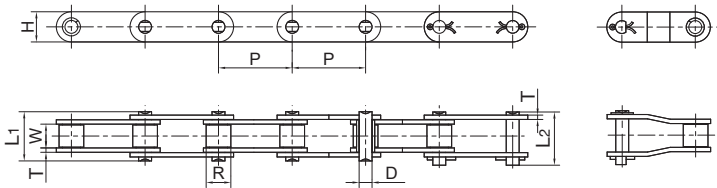
*Bush chain: R in the table indicates the external diameter of the bush
 #Straight side plates

KANA Stainless Steel Double Pitch Roller Chains

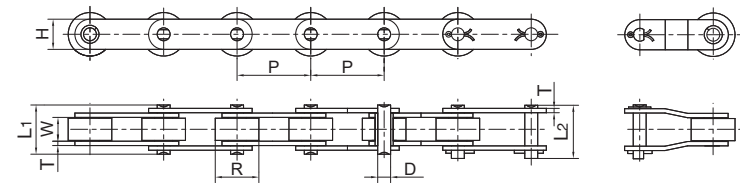
● Order No. Example
KANA C2040SS 120 Links
10ft

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 | | Link Plate Width H mm | Link Plate Thickness T mm | Approx. Weight kg/m |
|-----------|------------|----------------------------|-----------------------------|-------------------|------------|-------|-----------------------|---------------------------|---------------------|
| | | | | | L1 mm | L2 mm | | | |
| 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

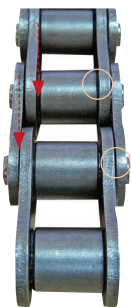
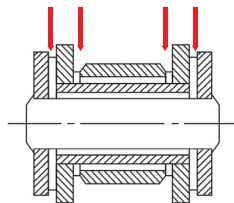
1. Lubrication

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.

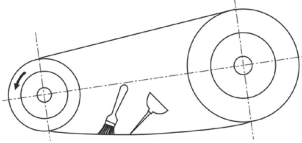
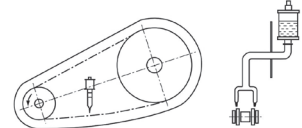
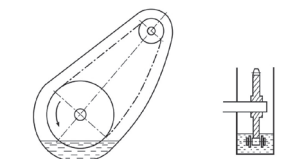
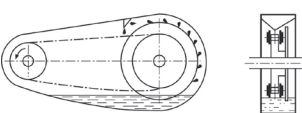
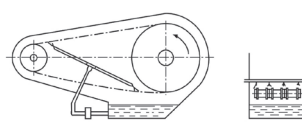
| Lubrication Goal | Lubrication Effect |
|---|--|
| Reduced wear and scorching between the pin and bushing. | Longer life expectations. Chain retains higher accuracy. Higher speed operation possible. |
| Reduces impact when meshing with sprockets. | Reduces noise. Roller and bushing fatigue life becomes 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.



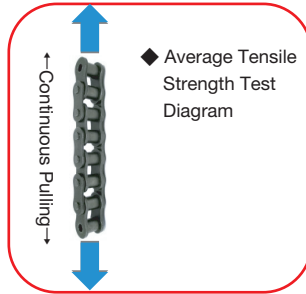
◇ Lubrication Method

| 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. | <ul style="list-style-type: none"> ● 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. | <ul style="list-style-type: none"> ● (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. | <ul style="list-style-type: none"> ● 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. | <ul style="list-style-type: none"> ● Clean the interior of the case at the beginning of use and completely remove foreign substances such as dust. |
| Forced Circulation Pump Lubrication  | The amount of lubrication must be set appropriately so as not to cause abnormal heat generation. | <ul style="list-style-type: none"> ● 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?

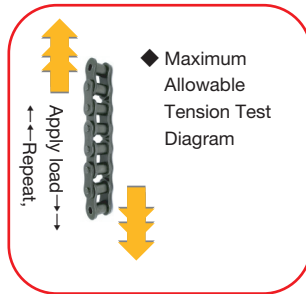
◎ A "grasping device" is installed on both ends if internal end links are used, or for chains with more than 5 links, to avoid generation of stress such as twisting and bending, allowing the chain to be pulled gradually until it breaks.



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

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.

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

| Material | Features |
|-----------------|--|
| Iron | <p>▶▶ Refer to P.48 The "NL" type does not require lubrication.</p> <p>◆ NL type: Has a special oil-impregnated bushing + roller for smooth meshing with the sprockets.</p> <p>No. 60 Chain Comparison - NL Type Maximum Allowable Tension - 8.83kN (900kgf)</p> |
| Stainless Steel | <p>▶▶ 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.</p> <p>* Lubricant which can be used in areas where it may incidentally contact food</p> |

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

| Material | Features |
|-----------------|--|
| Stainless Steel | <p>▶▶ 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.</p> |

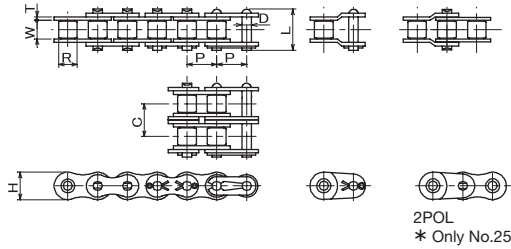
KCM Standard Roller Chains

Order Product Code

**KCM80- 2 RPT 120 Links
10ft**

Model Number

Unit



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) L | | | | Horizontal Pitch C | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) |
|-----------|----------|---------|-------------------------|--------------------------|------------------------|--------------------|----------------|------------------------|-------|-------|-------|--------------------|-----------------------------------|------------------------------------|
| | | | | | | | | 1 row | 2 row | 3 row | 4 row | | | |
| 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 Joint links Offset links | 06B-T 06B-JL 06B-OL | 0.39 | 320L | 3m | 20 | | |
| KCM 25 | 1 | RP | Roller Chains Joint links Offset links | 25-T3 25-JL 25-OL | 0.13 | 480L | 3m | 50 | | |
| KCM 35 | 1 | RP | Roller Chains Roller Chains Joint links Offset links | 35-T3 35-CS 35-JL 35-OL | 0.33 | 320L | 3m | 20 | | |
| | 2 | | Roller Chains Joint links Offset links | 35-2T 35-2JL 35-2OL | | 8000L | 76m | Reel Winding | | |
| | 3 | | Roller Chains Joint links Offset links | 35-3T 35-3JL 35-3OL | | 320L | 3m | 5 | | |
| KCM 410 | 1 | RP | Roller Chains Roller Chains Joint links Offset links | 410-T 410-CS 410-JL 410-OL | 0.28 | 106L 12000L | 1.35m 152m | 50 Reel Winding | | |
| KCM 415 | 1 | RP | Roller Chains Joint links Offset links | 415-T 415-JL 415-OL | 0.34 | 120L | 1.5m | 20 | | |
| KCM 415S | 1 | RP | Roller Chains Joint links Offset links | 415S-T 415S-JL 415S-OL | 0.51 | 120L | 1.5m | 10 | | |
| KCM 420 | 1 | RP | Roller Chains Joint links Offset links | 420-T 420-JL 420-OL | 0.55 | 120L | 1.5m | 10 | | |
| KCM 40 | 1 | RP | Roller Chains Roller Chains Joint links Offset links | 40-T3 40-CS 40-JL 40-OL | 0.61 | 240L 2400L | 3m 30m | 10 Reel Winding | | |
| | 2 | | Roller Chains Joint links Offset links | 40-2T 40-2JL 40-2OL | | 240L | 3m | 5 | | |
| | 3 | | Roller Chains Joint links Offset links | 40-3T 40-3JL 40-3OL | | 240L | 3m | 3 | | |
| | 4 | | Roller Chains Joint links Offset links | 40-4T 40-4JL 40-4OL | | 240L | 3m | 3 | | |
| KCM 50 | 1 | RP | Roller Chains Roller Chains Joint links Offset links | 50-T3 50-CS 50-JL 50-OL | 1.01 | 192L 1920L | 3m 30m | 5 Reel Winding | | |
| | 2 | | Roller Chains Joint links Offset links | 50-2T 50-2JL 50-2OL | | 192L | 3m | 3 | | |
| | 3 | | Roller Chains Joint links Offset links | 50-3T 50-3JL 50-3OL | | 192L | 3m | 3 | | |
| | 4 | | Roller Chains Joint links Offset links | 50-4T 50-4JL 50-4OL | | 192L | 3m | 2 | | |
| | 1 | | RP | Roller Chains Roller Chains Joint links Offset links | | 50-T3 50-CS 50-JL 50-OL | 2.01 | 192L | 3m | 3 |
| | 2 | | | Roller Chains Joint links Offset links | | 50-2T 50-2JL 50-2OL | | 192L | 3m | 3 |
| | 3 | | | Roller Chains Joint links Offset links | | 50-3T 50-3JL 50-3OL | | 192L | 3m | 3 |
| | 4 | | | Roller Chains Joint links Offset links | | 50-4T 50-4JL 50-4OL | | 192L | 3m | 2 |

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 | RP | Roller Chains | 60-2T | 2.95 | 160L | 3m | 3 |
| | | | Joint links | 60-2JL | | | | |
| | | | Offset links | 60-2OL | | | | |
| | 3 | RP | Roller Chains | 60-3T | 4.41 | 160L | 3m | 2 |
| | | | Joint links | 60-3JL | | | | |
| | | | Offset links | 60-3OL | | | | |
| | 4 | RP | Roller Chains | 60-4T | 5.83 | 160L | 3m | 1 |
| | | | Joint links | 60-4JL | | | | |
| 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 | |
| | 2 | RP | Roller Chains | 80-2RPT | 4.96 | 120L | 3m | 1 |
| | | | Roller Chains | 80-2CPT | | | | |
| | | CP | Joint links | 80-2JL | | | 10 | |
| | | | Offset links | 80-2OL | | | | |
| | 3 | CP | Roller Chains | 80-3CPT | 7.40 | 120L | 3m | 1 |
| | | | Joint links | 80-3JL | | | | |
| | | CP | Offset links | 80-3OL | | | | |
| | | | Roller Chains | 80-4CPT | 9.84 | 120L | 3m | 1 |
| Joint links | 80-4JL | | 5 | | | | | |
| KCM 100 | 1 | RP | Roller Chains | 100-RPT | 3.85 | 96L | 3m | 1 |
| | | | Roller Chains | 100-CPT | | | | |
| | | CP | Joint links | 100-JL | | | 10 | |
| | | | Offset links | 100-OL | | | | |
| | 2 | RP | Roller Chains | 100-2RPT | 7.62 | 96L | 3m | 1 |
| | | | Roller Chains | 100-2CPT | | | | |
| | | CP | Joint links | 100-2JL | | | 5 | |
| | | | Offset links | 100-2OL | | | | |
| | 3 | CP | Roller Chains | 100-3CPT | 11.38 | 96L | 3m | 1 |
| | | | Joint links | 100-3JL | | | | |
| | | CP | Offset links | 100-3OL | | | | |
| | | | Roller Chains | 100-4CPT | 15.15 | 48L | 1.5m | 1 |
| Joint links | 100-4JL | | 2 | | | | | |
| 4 | CP | 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 | CP | Roller Chains | 120-2CPT | 11.21 | 80L | 3m | 1 | | |
| | | | Joint links | 120-2JL | | | | | | 2 |
| | | | Offset links | 120-2OL | | | | | | |
| | 3 | CP | 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 | CP | Roller Chains | 140-2CPT | 14.24 | 34L | 1.5m | 1 | | |
| | | | Joint links | 140-2JL | | | | | | 2 |
| | | | Offset links | 140-2OL | | | | | | |
| | 3 | CP | 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 | CP | Roller Chains | 160-2CPT | 19.06 | 30L | 1.5m | 1 | | |
| | | | Joint links | 160-2JL | | | | | | 1 |
| | | | Offset links | 160-2OL | | | | | | |
| | 3 | CP | 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 | CP | Roller Chains | 200-2CPT | 31.59 | 24L | 1.5m | 1 | | |
| | | | Joint links | 200-2JL | | | | | | 2 |
| | | | Offset links | 200-2OL | | | | | | |



Caution

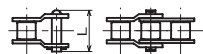
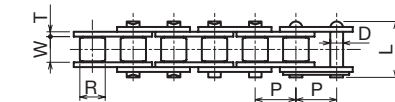
- * ★ indicates the bushing diameter of bushed chains.
- * The rupture strength of multiple row chains is calculated by multiplying that of a single row chain by the number of the rows. (The table above shows the rupture strength of single row chains.)
- * Pin type: RP is a rivet type and CP is a cotter 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



2POL
* Only No.25

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 | | | | |

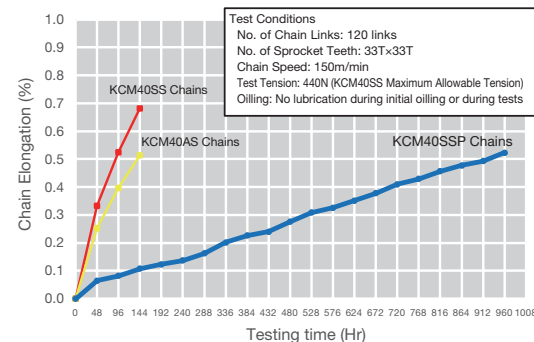


* The D/L/H dimensions are the same as the P.40 to P.43 Standard Roller Chains.
* ★ indicates the bushing diameter of bushed chains.

Caution

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

| | Pitting Occurrence Potential (mV vs SCE) | | | | | |
|----------|--|---|------|------|------|------|
| | -100 | 0 | +100 | +200 | +300 | +400 |
| NSSC 550 | ○ | | | | | |
| SUS 304 | ○ | | | | | |
| SUS 410 | ○ | | | | | |

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

Features

- Uses martensitic stainless steel (Nippon Steel Stainless Steel) NSSC550 material in the pins, bushings (solid bushings), and rollers wear locations (the plate is SUS304).
- 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 oiling before shipment.
- *If using in places other than under water or not subjected to splashing water, always be sure to perform oiling before use. If used without oiling, it could result in early occurrence of bending defects in the chains.

Various Features

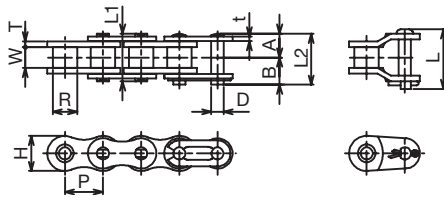
- Customers who are considering replacements
Because the product uses parts with higher wear resistance than SUS304 stainless steel chains, and with the same degree of corrosion resistance as SUS304, the replacement frequency is reduced. This reduces production losses due to line stoppage.
- Customers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

NL Type

● Order Product Code
KCM40NL-240 Links
10ft

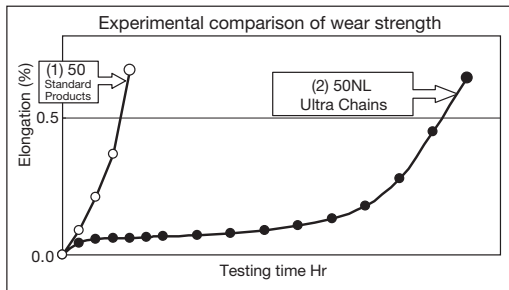
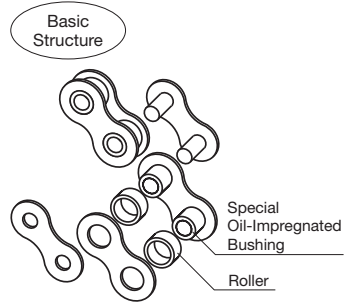
Chain No. Unit



| Chain No. | Pitch P | Roller Outer Diameter R | Inner Link Inner Width W | Link Plate | | | Pin | | | | | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) | |
|-----------|---------|-------------------------|--------------------------|-------------|-----|---------|------------|------|-------|-------|------|-----------------------------------|------------------------------------|--------------|
| | | | | Thickness T | t | Width H | Diameter D | A | B | L | L1 | | | L2 |
| 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) |

| 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 | | | | |

* 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.



* 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

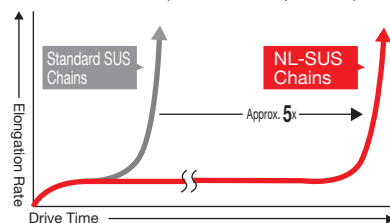
| Product Name | KCM Stainless Steel Chains ▶▶ Refer to P.44 | Ultra-Chains (Oilless) NL-Stainless Steel Type ▶▶ Refer to P.51 | High-Strength Type Stainless Steel (AS) Chains ▶▶ Refer to P.82 |
|---------------------------|---|---|---|
| Specification | | | |
| Features | Using SUS304, it is ideal in 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)

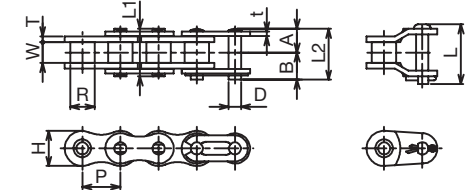


KCM Ultra Chains (Oilless type) NL-Stainless Steel Type

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 | | | Outer Diameter D | Pin Length | | | | | Maximum Allowable Tension kN (kgf) |
|--------------|---------|-------------------------|--------------------------|-------------|---------|------|------------------|------------|-------|-------|-------|-------|------------------------------------|
| | | | | Thickness T | Width t | H | | A | B | L | L1 | L2 | |
| | | | | | | | | | | | | | |
| 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 | | | | |



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

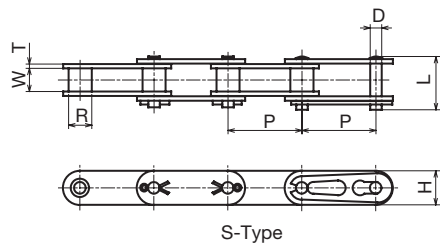
KCM Double Pitch Roller Chains

● Order Product Code

KCMC2040 120 Links
10ft

Chain No.

Unit



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. Type | Roller Shape | Pitch P | Roller Outer Diameter R | Inner Link Inner Width W | Link Plate | | Pin | | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) |
|-------------------|--------------|---------|-------------------------|--------------------------|-------------|---------|------------------|----------|-----------------------------------|------------------------------------|
| | | | | | Thickness T | Width H | Outer Diameter D | Length L | | |
| 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 |
| 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 |
| 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 |
| 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 |
| KCM C2100H | S | C2100H-T | 3.53 | 48L | 3m | 1 |
| | | C2100H-JL | | | | |
| | | C2100H-OL | | | | - |

KCM Double Pitch Roller Chains

Stainless Steel

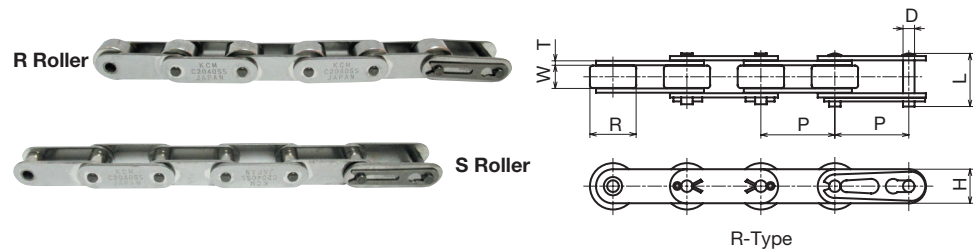
● **Order Product Code**

KCMC2042 - SUS 120 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 | Link Plate | | Pin | | Maximum Allowable Tension kN (kgf) |
|----------------|--------------|---------|-------------------------|--------------------------|-------------|---------|------------------|----------|------------------------------------|
| Type | Roller Shape | | | | Thickness T | Width H | Outer Diameter D | Length L | |
| 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 | 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 | 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 | 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 | 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 |
| 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 |
| 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 |
| 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 | | | | |

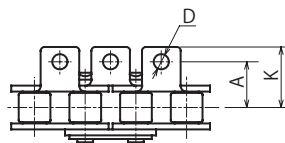
KCM Roller Chains with Attachments

A1-type Attachments

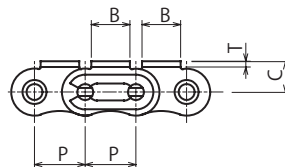
● Order Product Code

KCM40- ALL A1 240 Links 10ft

Chain No. Configuration Type 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 | | | 1.5 | 3.6 | 12.7 | 9.5 | 7.9 | 17.4 | 17.2 (1,750) | 2.75 (280) |
| KCM 50 | ALL | A1 | 2.0 | 5.2 | 15.9 | 12.7 | 10.3 | 22.3 | 27.9 (2,850) | 4.41 (450) |
| | 2L | | | | | | | | | |
| | 3L | | | | | | | | | |
| KCM 60 | 4L | | 2.4 | 5.2 | 19.05 | 15.9 | 11.9 | 27.2 | 39.5 (4,000) | 6.28 (640) |
| | 6L | | | | | | | | | |
| KCM 80 | | | | 3.2 | 6.8 | 25.40 | 19.1 | 15.9 | 35.2 | 68.6 (7,000) |



* There are no OL for chains with attachments.

Caution

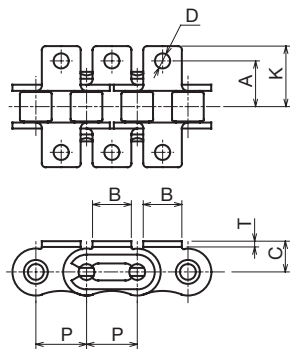
| Chain No. | Configuration | Type | Product Code | Applied Approx Weight g per Attachment Location | Approx. Weight kg/m | No. of Links | Standard Issue | No. in Box (Units or Items) |
|-----------|---------------|------|--------------|---|---------------------|--------------|----------------|-----------------------------|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

KCM Roller Chains with Attachments

K1-type Attachments

● Order Product Code

KCM40- ALL K1 240 Links 10ft



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 | | | 1.5 | 3.6 | 12.7 | 9.5 | 7.9 | 17.4 | 17.2 (1,750) | 2.75 (280) |
| KCM 50 | ALL | K1 | 2.0 | 5.2 | 15.9 | 12.7 | 10.3 | 22.3 | 27.9 (2,850) | 4.41 (450) |
| | 2L | | | | | | | | | |
| | 3L | | | | | | | | | |
| | 4L | | | | | | | | | |
| 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) |

! * There are no OL for chains with attachments.
Caution

| 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

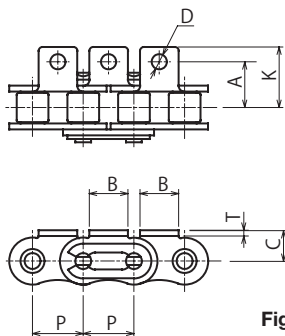


Figure: ALL A1

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 | | Plate Thickness T | D | Attachment | | | | Maximum Allowable Tension kN (kgf) |
|-----------|---------------|------|-------------------|-----|------------|------|------|------|------------------------------------|
| | Configuration | Type | | | A | B | C | K | |
| KCM 40 | ALL | A1 | 1.5 | 3.6 | 12.7 | 9.5 | 7.9 | 17.4 | 0.44 (45) |
| KCM 50 | | | 2.0 | 5.2 | 15.9 | 12.7 | 10.3 | 22.3 | 0.69 (70) |
| KCM 60 | | | 2.4 | 5.2 | 19.05 | 15.9 | 11.9 | 27.2 | 1.03 (105) |
| KCM 80 | | | 3.2 | 6.8 | 25.40 | 19.1 | 15.9 | 35.2 | 1.77 (180) |

| Chain No. | Attachment | | Approx. Weight kg/m | Unit | |
|-----------|-----------------------|------------------|---------------------|--------------|---|
| | Attached per Location | Approx. Weight g | | No. of Links | 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 | | |

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

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

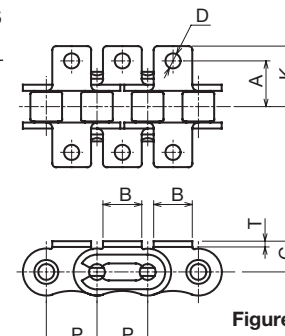


Figure: ALL K1

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 | | Plate Thickness T | D | Attachment | | | | Maximum Allowable Tension kN (kgf) |
|-----------|---------------|------|-------------------|-----|------------|------|------|------|------------------------------------|
| | Configuration | Type | | | A | B | C | K | |
| KCM 40 | ALL | K1 | 1.5 | 3.6 | 12.7 | 9.5 | 7.9 | 17.4 | 0.44 (45) |
| KCM 50 | | | 2.0 | 5.2 | 15.9 | 12.7 | 10.3 | 22.3 | 0.69 (70) |
| KCM 60 | | | 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 | | Approx. Weight kg/m | Unit | |
|-----------|-----------------------|------------------|---------------------|--------------|---|
| | Attached per Location | Approx. Weight g | | No. of Links | 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 | | |

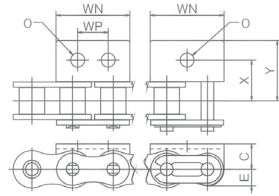
! * There are no OL for chains with stainless steel attachments.
Caution

KCM Roller Chains with Attachments

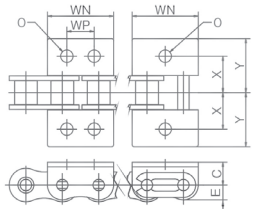
A wider attachment than the standard attachments. Use if the slats or brackets are large.

Wide Attachment

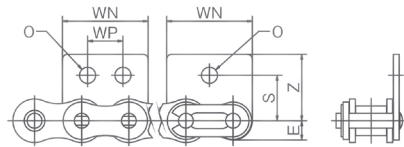
WA-1, WA-2 Attachments



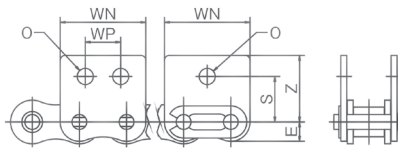
WK-1, WK-2 Attachments



WSA-1, WSA-2 Attachments



WSK-1, WSK-2 Attachments



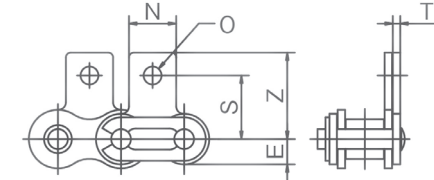
(Units: mm)

| Chain No. | Attachment | | | | | | | | | Applied Load per Attachment (kg) | | When Inner Link WN |
|-----------|------------|------|-----|-------|------|-------|------|-------|------|----------------------------------|--------|--------------------|
| | WN | WP | O | E | C | X | Y | S | Z | WA/WSA | WK.WSK | |
| 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 |

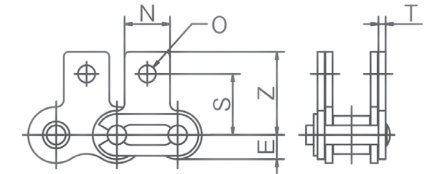
Stainless steel types have the same dimensions.

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 | |

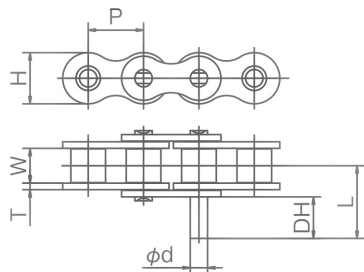
Stainless steel types have the same dimensions.

KCM Roller Chains with Attachments

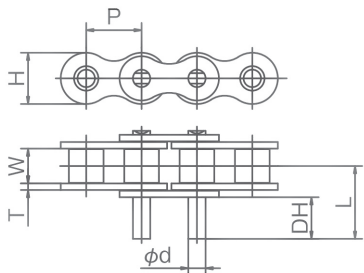
EP Attachments

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)

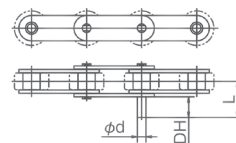
| Chain No. | Pitch P | Inner Link Inner Width W | Roller Outer Diameter D | Pin | | | Link Plate | | Attachment | | Applied Load per Location (kg) | | No. of Links for 1 Unit |
|-----------|---------|--------------------------|-------------------------|------------|-------|-------|-------------|---------|------------|-------|--------------------------------|--------|-------------------------|
| | | | | Diameter d | A | B | Thickness T | Width H | DH | L | 2P EP | 1P EP | |
| 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.

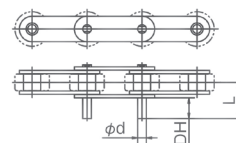
KCM Double Pitch Chains with Attachments

EP Attachments

2P EP Attachment

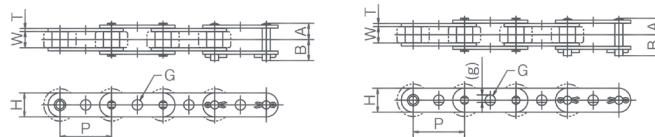


1P EP Attachment



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 | | Link Plate | | Standard / Rustop (N) | | Stainless Steel (SS) | | No. of Links for 1 Unit | |
|--------------------------|---------|--------------------------|-------------------------|------------|-------------|-------------|---------|-----------------------------------|------------------------------------|----------------------|------------------------------------|-------------------------|---------------------|
| | | | | Diameter d | A B | Thickness T | Width H | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) | Approx. Mass (kg/m) | Minimum Allowable Tension kN (kgf) | | Approx. Mass (kg/m) |
| 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 | | G Attachment | | | | Applied Load per Attachment (kg) | |
|--------------------------|--------------|-------|--------------|----------|-----------|------------|----------------------------------|--------|
| | DH | L | G(g) | | | | 2P EP | 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 |

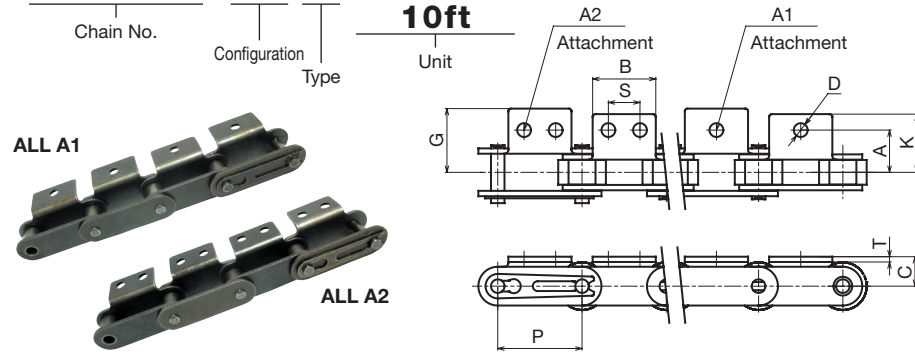
Stainless steel types have the same dimensions.

KCM Double Pitch Roller Chains with Attachments

A1/A2-type Attachments

Order Product Code

KCMC2040- ALL A1 120 Links 10ft



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 Configuration | Attachment Type | Pitch P | Common Dimensions | | | | Attachment A1/A2 | | | | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) |
|------------|--------------------------|-----------------|---------|-------------------|------|-----|-----|------------------|------|------|-------|-----------------------------------|------------------------------------|
| | | | | C | B | D | T | A | K | G | S | | |
| KCM C2040 | ALL 2L | A1 | 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 | | | | | | | | | | | | | |
| KCM C2050 | ALL 2L | A2 | 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 | | | | | | | | | | | | | |
| KCM C2060H | ALL 2L | A1 | 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 | | | | | | | | | | | | | |
| KCM C2080H | ALL 2L | A2 | 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 | | | | | | | | | | | | | |

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 | A1 | C2040-ALLA1T | 3 | 0.48 | 120L | 3m | 10 |
| | | 2L | | C2040-2LA1T | | | | | |
| | | -- | A2 | C2040-A1JL | | | | | |
| | | ALL | | C2040-ALLA2T | | | | | |
| KCM C2042 | R | 2L | A1 | C2040-2LA2T | 3 | 0.48 | 120L | 3m | 10 |
| | | -- | | C2040-A2JL | | | | | |
| | | ALL | A2 | C2042-ALLA1T | | | | | |
| | | 2L | | C2042-2LA1T | | | | | |
| KCM C2050 | S | ALL | A1 | C2042-ALLA1T | 7 | 0.79 | 96L | 3m | 6 |
| | | 2L | | C2042-2LA1T | | | | | |
| | | -- | A2 | C2050-ALLA2T | | | | | |
| | | ALL | | C2050-2LA2T | | | | | |
| KCM C2052 | R | 2L | A1 | C2050-2LA2T | 7 | 1.25 | 96L | 3m | 6 |
| | | -- | | C2050-A2JL | | | | | |
| | | ALL | A2 | C2052-ALLA1T | | | | | |
| | | 2L | | C2052-2LA1T | | | | | |
| KCM C2060H | S | ALL | A1 | C2052-ALLA2T | 16 | 1.43 | 80L | 3m | 5 |
| | | 2L | | C2052-2LA2T | | | | | |
| | | -- | A2 | C2060H-ALLA1T | | | | | |
| | | ALL | | C2060H-2LA1T | | | | | |
| KCM C2062H | R | 2L | A1 | C2060H-2LA2T | 16 | 2.11 | 80L | 3m | 3 |
| | | -- | | C2060H-A1JL | | | | | |
| | | ALL | A2 | C2062H-ALLA2T | | | | | |
| | | 2L | | C2062H-2LA2T | | | | | |
| KCM C2080H | S | ALL | A1 | C2062H-ALLA1T | 33 | 2.37 | 60L | 3m | 3 |
| | | 2L | | C2062H-2LA1T | | | | | |
| | | -- | A2 | C2080H-ALLA1T | | | | | |
| | | ALL | | C2080H-2LA1T | | | | | |
| KCM C2082H | R | 2L | A1 | C2080H-2LA2T | 33 | 3.41 | 60L | 3m | 3 |
| | | -- | | C2080H-A2JL | | | | | |
| | | ALL | A2 | C2082H-ALLA2T | | | | | |
| | | 2L | | C2082H-2LA2T | | | | | |

KCM Double Pitch Roller Chains with Attachments

K1/K2-type Attachments

● Order Product Code

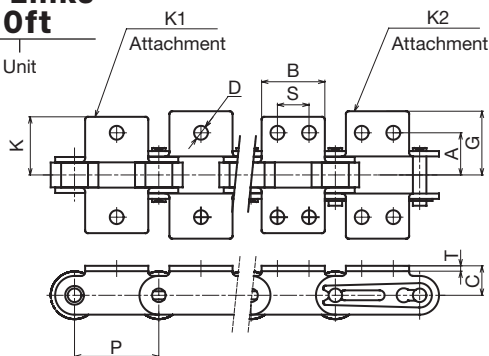
KCMC2040- ALL K1 120 Links 10ft

Chain No. Configuration Type Unit

ALL K1



ALL K2



| Chain No. | Attachment | Pitch P | Common Dimensions | | | | Attachment K1/K2 | | | | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) |
|-----------|------------|---------|-------------------|------|-----|-----|------------------|------|------|-------|-----------------------------------|------------------------------------|
| | | | Configuration | Type | C | B | D | T | A | K | | |
| KCM C2040 | ALL K1 | 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 | ALL K1 | 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 C2050 | ALL K1 | 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 C2052 | ALL K1 | 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) |



* There are no OL for chains with attachments.

Caution

| 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 | | | | | |
| | | -- | K2 | C2040-K1JL | | | | | |
| | | ALL | | C2040-ALLK2T | | | | | |
| KCM C2042 | R | 2L | K1 | C2042-ALLK1T | 6 | 0.82 | 120L | 3m | 7 |
| | | -- | | C2042-2LK1T | | | | | |
| | | ALL | K2 | C2042-ALLK2T | | | | | |
| | | 2L | | C2042-2LK2T | | | | | |
| KCM C2050 | S | ALL | K1 | C2050-ALLK1T | 14 | 0.79 | 96L | 3m | 4 |
| | | 2L | | C2050-2LK1T | | | | | |
| | | -- | K2 | C2050-K1JL | | | | | |
| | | ALL | | C2050-ALLK2T | | | | | |
| KCM C2052 | R | 2L | K1 | C2052-ALLK1T | 14 | 1.25 | 96L | 3m | 4 |
| | | -- | | C2052-2LK1T | | | | | |
| | | ALL | K2 | C2052-ALLK2T | | | | | |
| | | 2L | | C2052-2LK2T | | | | | |
| KCM C2060H | S | ALL | K1 | C2060H-ALLK1T | 32 | 1.43 | 80L | 3m | 4 |
| | | 2L | | C2060H-2LK1T | | | | | |
| | | -- | K2 | C2060H-K1JL | | | | | |
| | | ALL | | C2060H-ALLK2T | | | | | |
| KCM C2062H | R | 2L | K1 | C2062H-ALLK1T | 32 | 2.11 | 80L | 3m | 3 |
| | | -- | | C2062H-2LK1T | | | | | |
| | | ALL | K2 | C2062H-ALLK2T | | | | | |
| | | 2L | | C2062H-2LK2T | | | | | |
| KCM C2080H | S | ALL | K1 | C2080H-ALLK1T | 66 | 2.37 | 60L | 3m | 2 |
| | | 2L | | C2080H-2LK1T | | | | | |
| | | -- | K2 | C2080H-K1JL | | | | | |
| | | ALL | | C2080H-ALLK2T | | | | | |
| KCM C2082H | R | 2L | K1 | C2082H-ALLK1T | 66 | 3.41 | 60L | 3m | 2 |
| | | -- | | C2082H-2LK1T | | | | | |
| | | ALL | K2 | C2082H-ALLK2T | | | | | |
| | | 2L | | C2082H-2LK2T | | | | | |

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

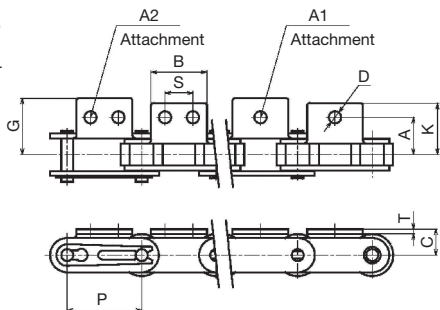
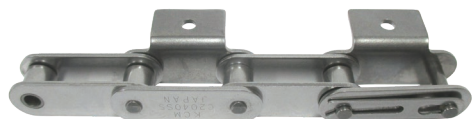


Figure: ALL A1/A2

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 | |
|--------------------------|--------------|------------------------------------|---|---------------------|--------------|---|
| Type | Roller Shape | | | | No. of Links | m |
| KCM C2040 KCM C2042 | S R | 0.44 (45) | 3 | 0.49 0.83 | 120L | 3 |
| KCM C2050 KCM C2052 | S R | | | | | |
| KCM C2060H KCM C2062H | S R | 1.03 (105) | 16 | 1.46 2.14 | 80L | |
| KCM C2080H KCM C2082H | S R | | | | | |

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

Caution

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

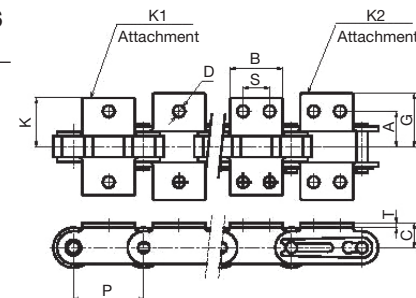
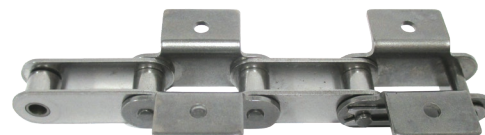


Figure: ALL K1/K2

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 | |
|--------------------------|--------------|------------------------------------|---|---------------------|--------------|---|
| Type | Roller Shape | | | | No. of Links | m |
| KCM C2040 KCM C2042 | S R | 0.44 (45) | 6 | 0.49 0.83 | 120L | 3 |
| KCM C2050 KCM C2052 | S R | | | | | |
| KCM C2060H KCM C2062H | S R | 1.03 (105) | 32 | 1.46 2.14 | 80L | |
| KCM C2080H KCM C2082H | S R | | | | | |

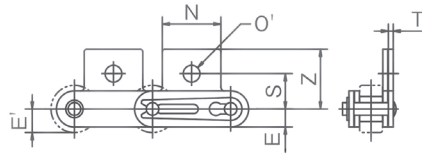
! * There are no OL for chains with stainless steel attachments.

Caution

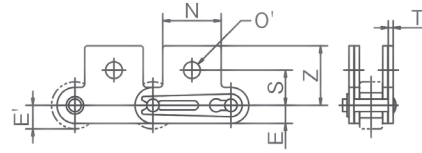
KCM Double Pitch Chains with Attachments Order-made Product

Standard Attachments

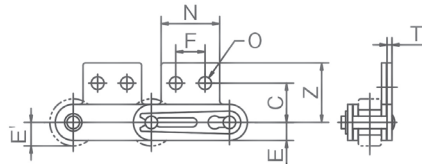
SA-1 Attachment



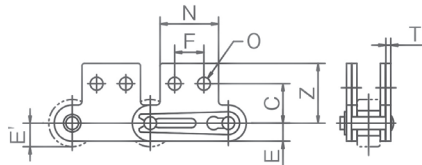
SK-1 Attachment



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 |

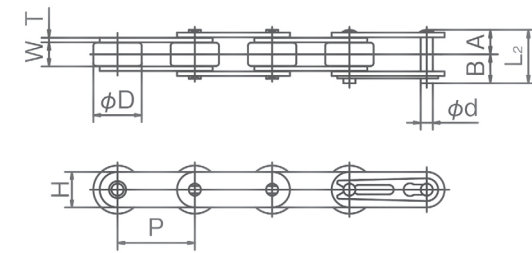
Stainless steel types have the same dimensions.

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)

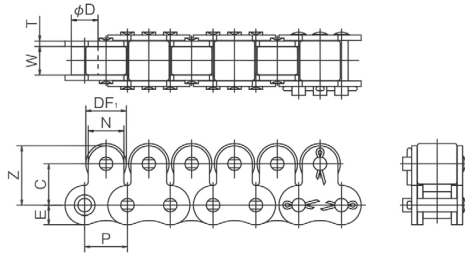
| Chain No. | Pitch P | Inner Link Inner Width W | Roller Outer Diameter D | Pin | | Link Plate | | Maximum Allowable Tension kN (kgf) | Approx. Mass (kg/m) | No. of Links for 1 Unit | |
|-------------------------------|---------|--------------------------|-------------------------|------------|----------------------|----------------------|-------------|------------------------------------|---------------------|-------------------------|----------|
| | | | | 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.

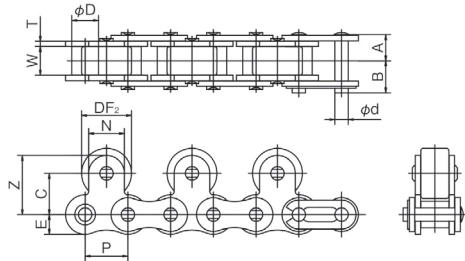
KCM Chains with Top Roller

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



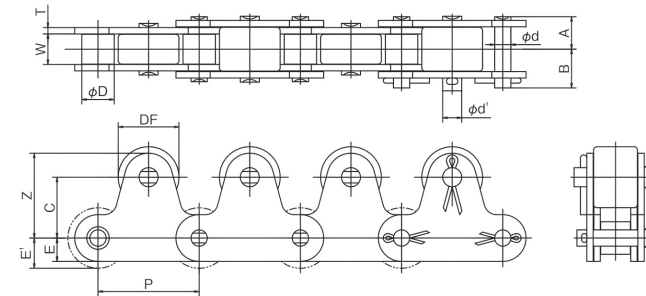
(Units: mm)

| Chain No. | Pitch P | Inner Link Inner Width W | Roller Outer Diameter D | Pin | | | Attachment | | | | | | Approx. Mass (kg/m) | | | |
|-----------|---------|--------------------------|-------------------------|------------|-------|-------|-----------------|-----------------|------|-------|------|------|---------------------|------|---------|------|
| | | | | Diameter d | A | B | DF ₁ | DF ₂ | C | Z | N | E | Steel | | Plastic | |
| | | | | | | | | | | | | | 1P | 2P | 1P | 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)

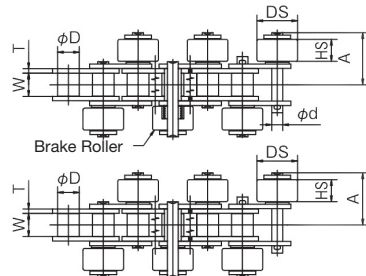
| Chain No. | Pitch P | Inner Link Inner Width W | Roller Outer Diameter D | Pin | | | Attachment | | | | Applied Load per Attachment (kg) |
|--------------------------|---------|--------------------------|-------------------------|-----------------|------------------|------------------|------------|------|------|----------------|----------------------------------|
| | | | | Diameter d (d') | A (A') | B (B') | DF | C | Z | E (E') | |
| 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.

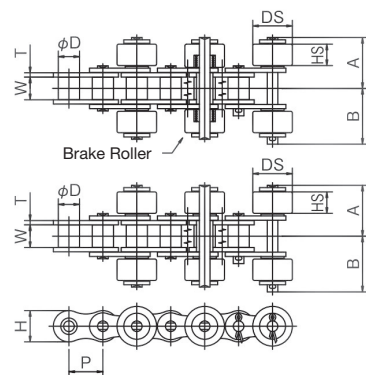
KCM Roller Chains with Side Roller Order-made Product

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)

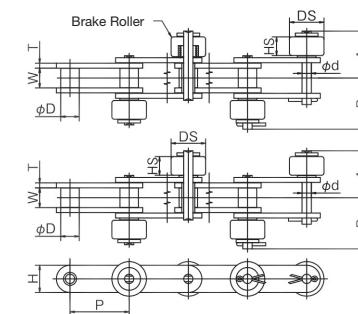
| Chain No. | Pitch P | Inner Link Inner Width W | Roller Outer Diameter D | Pin | | | Side Roller | | Added mass (kg) per side roller | | |
|-----------|---------|--------------------------|-------------------------|------------|--------|--------|-------------|------|---------------------------------|--------------------|-------------|
| | | | | 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.

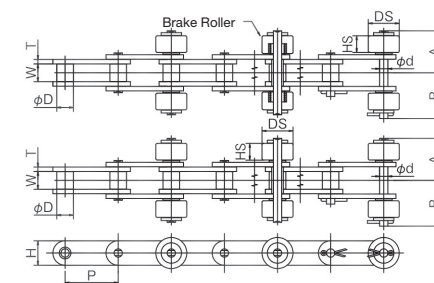
KCM Double Pitch Chains with Side Roller

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 |

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

$$T \text{ (kgf)} = WT \times f \times K$$

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 $T \times 0.6$.

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

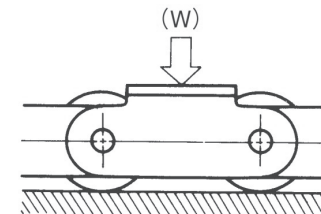
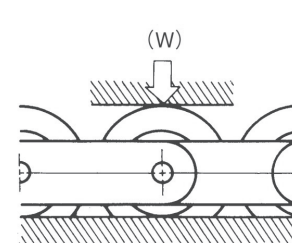


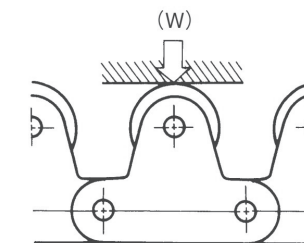
Table 3 Transport Roller Allowable Load

| 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 |

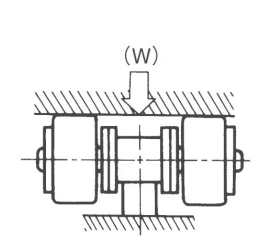
Unit: kgf/roller x 1



Triple Speed Chain Roller



Top Roller



Side Roller

KCM Heavy-Duty Chains

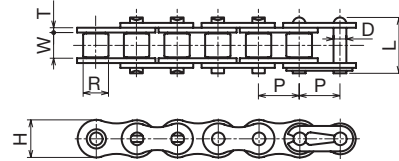
H-type

● 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 | | Pin | | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) |
|-------------|---------|-------------------------|--------------------------|-------------|---------|------------|----------|-----------------------------------|------------------------------------|
| | | | | Thickness T | Width H | Diameter D | Length L | | |
| 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 | | | | |

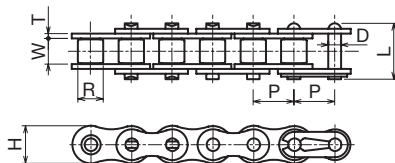
KCM High-Strength Type Stainless Steel (AS) Chains

● Order Product Code

KCM40- SUS AS 240 Links
10ft

Chain No.

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) |



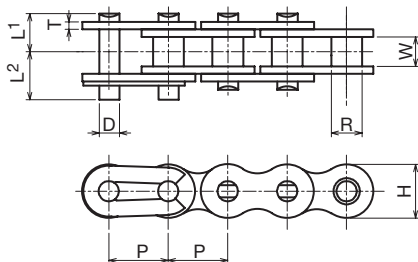
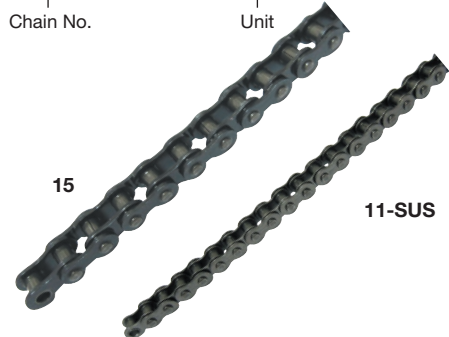
* Their corrosion resistance effectiveness is slightly lower than stainless steel chains. Can be used at -20°C to 400°C.
 Note: Magnetized due to the use of precipitation-hardened stainless steel.
 * The D/L/H dimensions are the same as the P.40 to P.43 Standard Roller Chains.

| 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



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 | | Diameter D | Pin Length | | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) |
|-----------|---------|--------------------|--------------------------|-------------|---------|------------|------------|-------|-----------------------------------|------------------------------------|
| | | | | Thickness T | Width H | | L1 | L2 | | |
| 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 | | | | - |

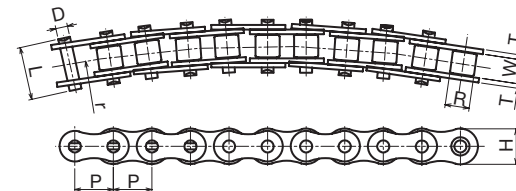
! * There is no offset link for 11 and 15.
 Caution

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 |

! * There are no OL for Side Bow Chains.
 Caution

KCM Rustop Chains

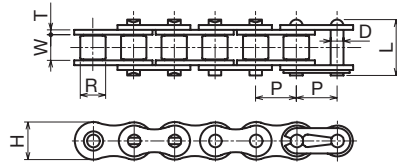
Plated Chains

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



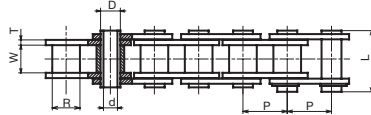
Double Pitch Hollow Pin Roller Chain



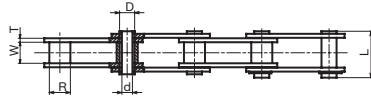
Stainless Steel Hollow Pin Roller Chains



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 Thickness T | Link Plate Width H | Pin | | | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) | |
|-------------|---------|----------------------------|--------------------------|------------------------|--------------------|------------------|------------------|----------|-----------------------------------|------------------------------------|-----------|
| | | | | | | 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 |



* There are no OL for Hollow Pin Chains.

KCM Oval Type Chains

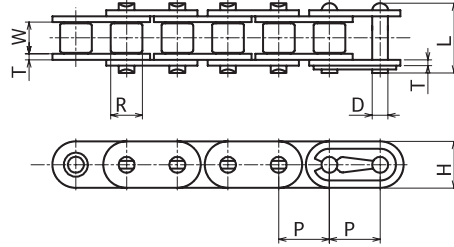
F-type

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 | | Pin | | Average Tensile Strength kN (kgf) | Maximum Allowable Tension kN (kgf) |
|-------------|---------|-------------------------|--------------------------|-------------|---------|------------|----------|-----------------------------------|------------------------------------|
| | | | | Thickness T | Width H | Diameter D | Length L | | |
| 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 | | Pin | | Maximum Allowable Tension kN (kgf) |
|-------------|---------|-------------------------|--------------------------|-------------|---------|------------|----------|------------------------------------|
| | | | | Thickness T | Width H | Diameter D | Length L | |
| 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) |



* There are no OL for oval type chains.

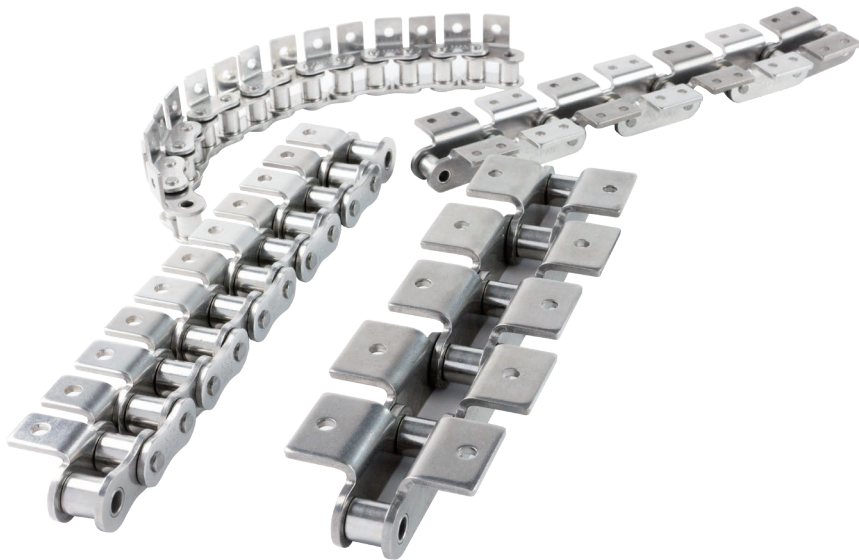
Caution

| 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.

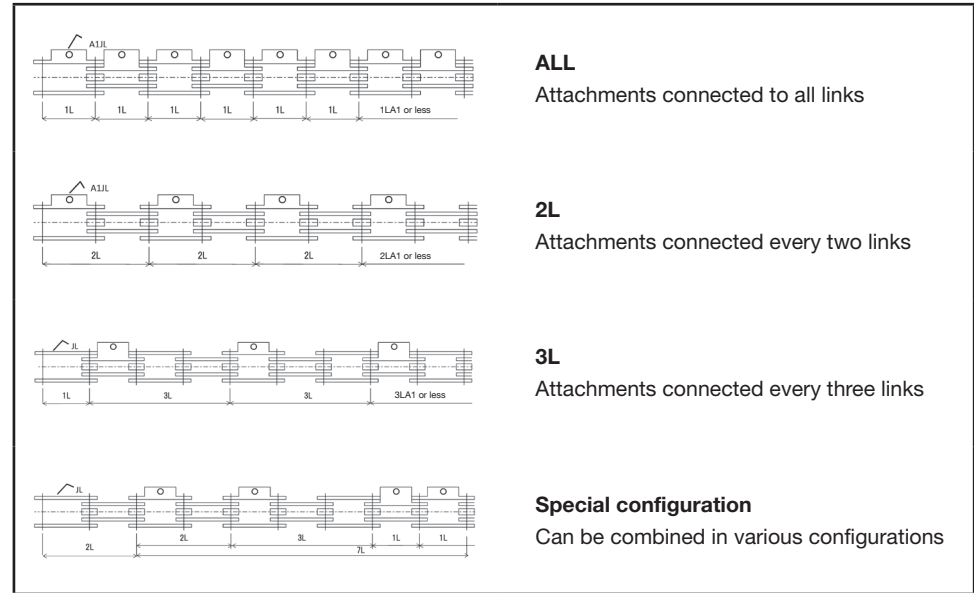


Shipped out as soon as five days after order is placed

How can we ship so quickly?

1. We have our own assembly equipment on site, so we can quickly handle everything from 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

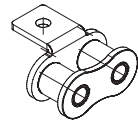


◇ List of compatible roller chains and attachment shapes

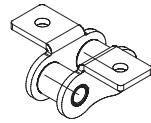
| Iron | Stainless Steel | Attachment Shape | | | | | | | |
|--------|-----------------|------------------|----|-----|-----|--------------|----|-----|-----|
| | | Single Blade | | | | Double Blade | | | |
| | | A1 | A2 | SA1 | SA2 | K1 | K2 | SK1 | SK2 |
| KCM35 | KCM35SUS | ○ | × | ○ | × | ○ | × | ○ | × |
| 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.

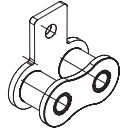
KCM Special Configuration Roller Chains with Attachments



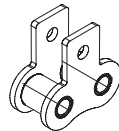
A-1 Attachment



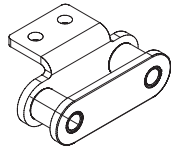
K-1 Attachment



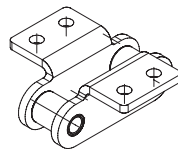
SA-1 Attachment



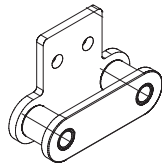
SK-1 Attachment



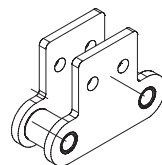
A-2 Attachment



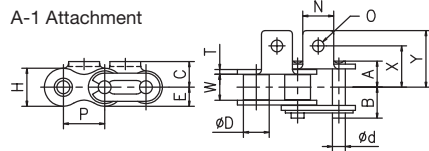
K-2 Attachment



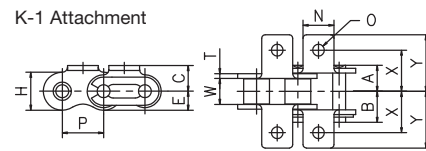
SA-2 Attachment



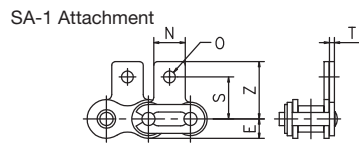
SK-2 Attachment



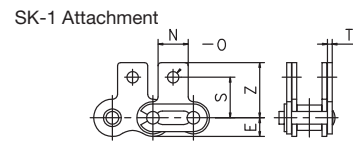
A-1 Attachment



K-1 Attachment



SA-1 Attachment



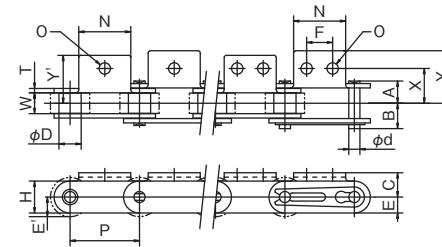
SK-1 Attachment

| 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 |

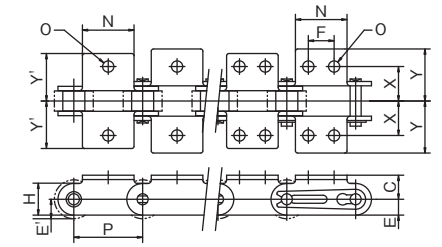
*Stainless steel types have the same dimensions.

Special Configuration Attachments

A-1 A-2 Attachment



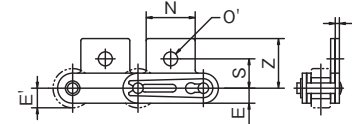
K-1 K-2 Attachment



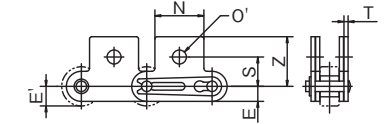
| Chain No. | Attachment | | | | | | | | Applied Load per Attachment (kg) | |
|-----------|------------|-----|------|-------------|-------|------|------|------|----------------------------------|----------|
| | N | O | C | E (E') | X | Y | Y' | F | A-1, A-2 | K-1, K-2 |
| C2040 | 19.1 | 3.6 | 9.1 | 5.9 (7.9) | 12.7 | 19.0 | 17.4 | 9.5 | 0.003 | 0.006 |
| C2050 | 23.8 | 5.2 | 11.1 | 7.3 (9.5) | 15.9 | 24.0 | 21.9 | 11.9 | 0.007 | 0.014 |
| 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.

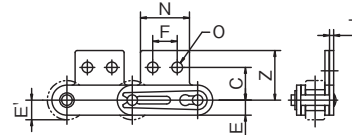
SA-1 Attachment



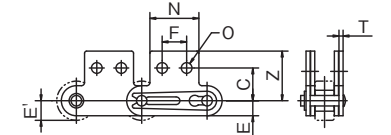
SK-1 Attachment



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 |
| C2050 | 23.8 | 5.2 | 6.8 | 15.9 | 14.25 | 7.3 (9.5) | 24.55 | 11.9 | 0.006 | 0.012 |
| 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 | | | | | | | | | | |

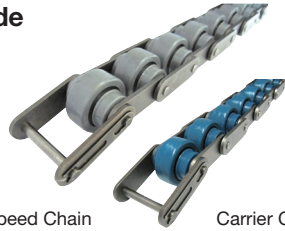
*Stainless steel types have the same dimensions.

Triple Speed/Carrier Chains

Order Product Code

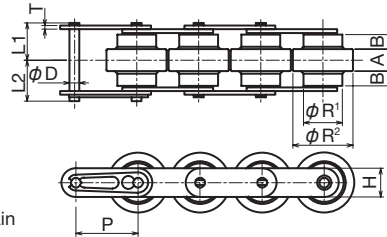
CZ5-DNT

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 | | | | 120 |
| CZ5-DNT | 5-Type | 31.75 | 140 | | | | 96 |
| CZ6-DNT | 6-Type | 38.10 | 210 | | | | 80 |

◇ Carrier Chain (Regular specification)

m Special Plastic

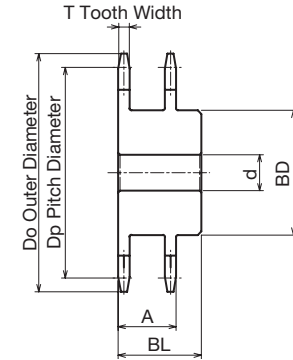
| Chain No. | TYPE | Pitch | Allowable Tension (kgf) | Operating Temperature | Speed Increase Ratio | Roller Color | No. of Unit Links |
|-----------|--------|-------|-------------------------|-----------------------|----------------------|--------------|-------------------|
| CY3-DNT | 3-Type | 19.05 | 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 |

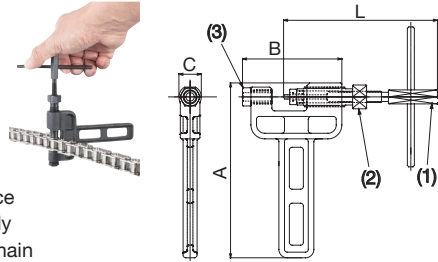
Chain Cutters

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 |

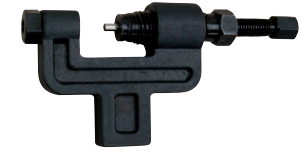
Chain Cutter Components

| Cutter Pin (1) | | | Cutter Pin Holder (2) | | Cutter Holder (3) | |
|----------------|-----|-----------|-----------------------|-----------|-------------------|-----------|
| Cutter Pin No. | L | Hex. Size | Cutter Pin Holder No. | Hex. Size | Cutter Holder No. | Hex. Size |
| CKP2 | 81 | 8 | CKPH2 | 14 | CKUH2 | 12 |
| CKP3 | 86 | 8 | CKPH3 | 14 | CKUH3 | 12 |
| CKP4 | 109 | 10 | CKPH4 | 17 | CKUH4 | 13 |
| CKP5 | 109 | 10 | CKPH5 | 17 | CKUH5 | 13 |
| CKP6 | 138 | 12 | CKPH6 | 21 | CKUH6 | 17 |
| CKP3W | 116 | 10 | CKPH3W | 17 | CKUH3W | 13 |
| CKP4W | 141 | 12 | CKPH4W | 21 | CKUH4W | 17 |
| CKP5W | 154 | 12 | CKPH5W | 21 | CKUH5W | 17 |

! 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.

Caution

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.

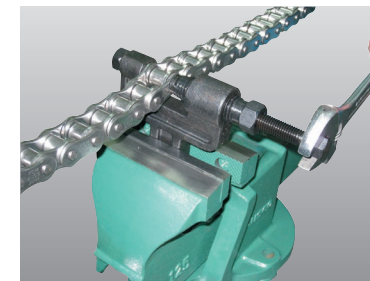


Chain Cutters (CK8 to CK14, CK6W to CK8W)

| 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 Holder (2) | | Cutter Holder (3) | |
|----------------|-----|-----------|-----------------------|-----------|-------------------|-----------|
| Cutter Pin No. | L | Hex. Size | Cutter Pin Holder No. | Hex. Size | Cutter Holder No. | Hex. Size |
| CKP8 | 143 | 17 | CKPH8 | 27 | CKUH8 | 21 |
| CKP10 | 152 | 17 | CKPH10 | 27 | CKUH10 | 21 |
| CKP14 | 165 | 17 | CKPH14 | 27 | CKUH14 | 27 |
| CKP6W | 160 | 17 | CKPH6W | 24 | CKUH6W | 21 |
| CKP8W | 174 | 17 | CKPH8W | 27 | CKUH8W | 27 |

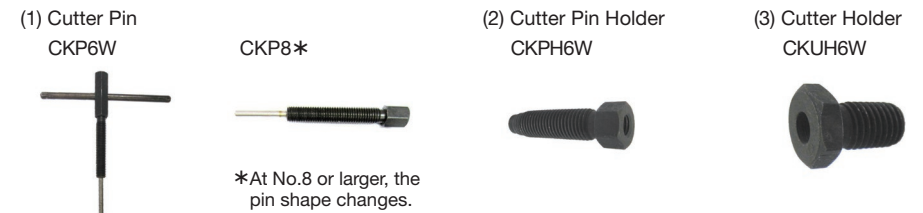


* A handle for the cutter pin is not included, so please use a suitable spanner or wrench that matches the size. Use after fixing the unit within a vise etc.



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.



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

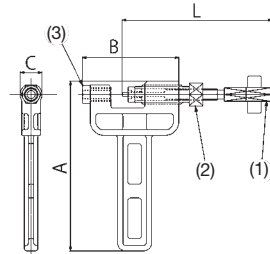
Chain Cutter Set Products

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 | | | | A | B | C | Weight kg (Incl. Case) |
|--------|--------------|-------------|-------------------|-------------------------|-----|-----|----|---------------------------|
| | JIS | | Non-JIS Indicator | | | | | |
| CK23A | 25 | | 219 270 05B | | 97 | 51 | 18 | 0.93 |
| | 35 | | 410 415 06B | | | | | |
| CK345A | 35 | | 420 425 428 08B | | 125 | 73 | 20 | 1.35 |
| | 40 41 | C2040 C2042 | 420 425 428 08B | | | | | |
| 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 |

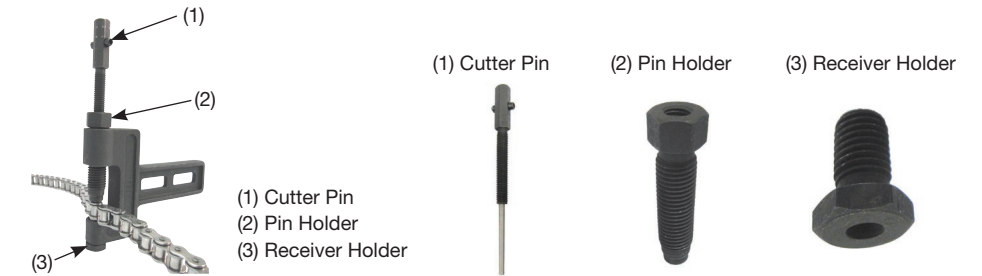
! When cutter pin (1) is tightened as far as possible the lock is triggered and it will be difficult to return. Stop just when the chain pin has penetrated through.

Caution

Applicable Components List

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

Use Examples



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

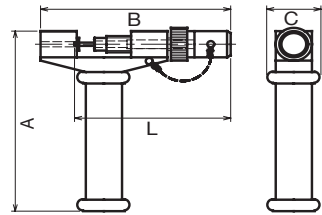
● Order Product Code

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.

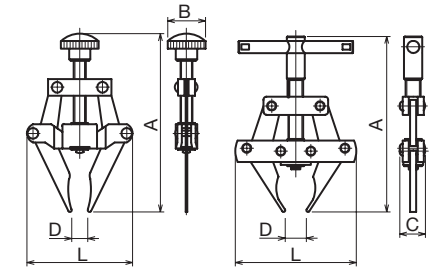
◇ Straight Punch Chain Cutter

| Chain Cutter No. | Chain in Use | A | B | C | Pin No. | L |
|------------------|--------------|-----|-----|----|--------------|-----|
| ST 25 | 25 | 180 | 130 | 40 | ST 25 PIN | 115 |
| ST 35-40 | 35 - 40 | 180 | 130 | 40 | ST 35-40 PIN | 121 |
| ST 50 | 50 | 180 | 150 | 39 | ST 50 PIN | 131 |
| ST 60 | 60 | 180 | 150 | 40 | ST 60 PIN | 134 |
| ST 80 | 80 | 190 | 200 | 40 | ST 80 PIN | 175 |
| ST 100 | 100 | 190 | 200 | 40 | ST100 PIN | 182 |

Chain Pullers/Chain Detachers

● Order Product Code **CPL35**

Chain Puller No.



CPL35

CPL60/80

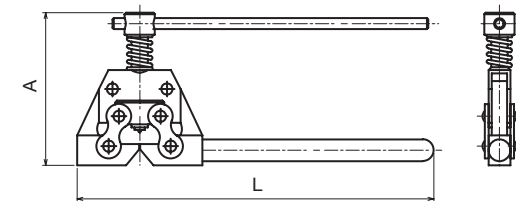
Used when connecting a chain as shown in the figure. Designed to be used quickly and easily.

◇ 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.

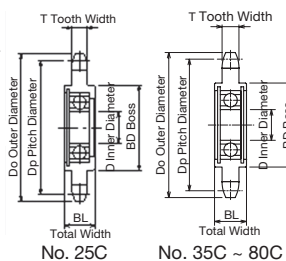
◇ Chain Detachers

| 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

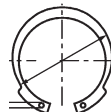
TYPE No. No. of Teeth
Sprocket No. D



m Carbon Structural Steel
h No. 35C ~ 80C

High-frequency Hardened Teeth
(Only No. 25C is without High-frequency Hardened Teeth)

- <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



| 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 |
| | | 20 | 10 | 44 | 40.592 | | 33 | 13 | 6901ZZ | 0.08 |
| | 35C | 16 | 10 | 54 | 48.824 | 4.3 | 38 | 14 | 6000ZZ | 0.11 |
| | | 18 | 12 | 54 | 48.824 | | 6001ZZ | 0.10 | | |
| | | 21 | 15 | 60 | 54.852 | | 44 | 17 | 6202ZZ | 0.16 |
| | | 25 | 17 | 69 | 63.908 | | 53 | 19 | 6203ZZ | 0.24 |
| | 40C | 13 | 10 | 59 | 53.068 | 7.2 | 60 | 21 | 6204ZZ | 0.33 |
| | | 15 | 12 | 59 | 53.068 | | 38 | 14 | 6000ZZ | 0.15 |
| | | 17 | 15 | 67 | 61.084 | | 6001ZZ | 0.14 | | |
| | | 19 | 17 | 76 | 69.116 | | 53 | 19 | 6203ZZ | 0.30 |
| | 50C | 12 | 12 | 69 | 61.336 | 8.7 | 60 | 21 | 6204ZZ | 0.40 |
| | | 13 | 15 | 74 | 66.335 | | 43 | 16 | 6201ZZ | 0.21 |
| | | 15 | 17 | 84 | 76.355 | | 44 | 17 | 6202ZZ | 0.23 |
| | | 17 | 20 | 94 | 86.395 | | 53 | 19 | 6203ZZ | 0.37 |
| | 60C | 11 | 12 | 76 | 67.617 | 11.7 | 60 | 21 | 6204ZZ | 0.49 |
| | | 13 | 15 | 76 | 67.617 | | 44 | 16 | 6201ZZ | 0.26 |
| | | 17 | 17 | 89 | 79.602 | | 53 | 19 | 6203ZZ | 0.46 |
| 20 | | 20 | 95 | 85.610 | 60 | | 21 | 6204ZZ | 0.56 | |
| 80C | 9 | 15 | 85 | 74.265 | 14.6 | 44 | 17 | 6201ZZ | 0.27 | |
| | 10 | 17 | 93 | 82.196 | | 53 | 19 | 6203ZZ | 0.47 | |
| | 11 | 20 | 102 | 90.156 | | 60 | 21 | 6204ZZ | 0.57 | |

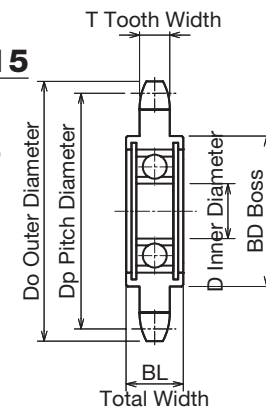


* The bearing is located in the center of the sprocket.

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 |
| | | 18 | 12 | 60 | 54.852 | | 6001ZZ | 0.11 | | |
| | | 21 | 15 | 69 | 63.908 | | 44 | 17 | 6202ZZ | 0.17 |
| | | 25 | 17 | 81 | 75.997 | | 53 | 19 | 6203ZZ | 0.25 |
| | 40C | 13 | 10 | 59 | 53.068 | 7.2 | 60 | 21 | 6204ZZ | 0.34 |
| | | 15 | 12 | 59 | 53.068 | | 38 | 14 | 6000ZZ | 0.16 |
| | | 17 | 15 | 67 | 61.084 | | 6001ZZ | 0.15 | | |
| | | 19 | 17 | 76 | 69.116 | | 53 | 19 | 6203ZZ | 0.20 |
| | 50C | 12 | 12 | 69 | 61.336 | 8.7 | 60 | 21 | 6204ZZ | 0.41 |
| | | 13 | 15 | 74 | 66.335 | | 43 | 16 | 6201ZZ | 0.22 |
| | | 15 | 17 | 84 | 76.355 | | 44 | 17 | 6202ZZ | 0.24 |
| | | 17 | 20 | 94 | 86.395 | | 53 | 19 | 6203ZZ | 0.38 |
| | 60C | 11 | 12 | 76 | 67.617 | 11.7 | 60 | 21 | 6204ZZ | 0.50 |
| | | 13 | 15 | 76 | 67.617 | | 44 | 16 | 6201ZZ | 0.27 |
| | | 17 | 17 | 89 | 79.602 | | 53 | 19 | 6203ZZ | 0.28 |
| | | 20 | 20 | 95 | 85.610 | | 60 | 21 | 6204ZZ | 0.47 |
| | 80C | 9 | 15 | 85 | 74.265 | 14.6 | 44 | 17 | 6201ZZ | 0.29 |
| | | 10 | 17 | 93 | 82.196 | | 53 | 19 | 6203ZZ | 0.49 |
| 11 | | 20 | 102 | 90.156 | 60 | | 21 | 6204ZZ | 0.58 | |

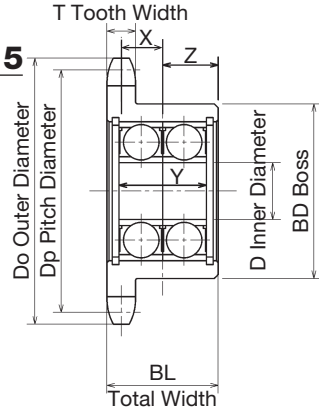


* The bearing is located in the center of the sprocket.

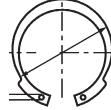
B-type Double Idler Sprockets

● 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



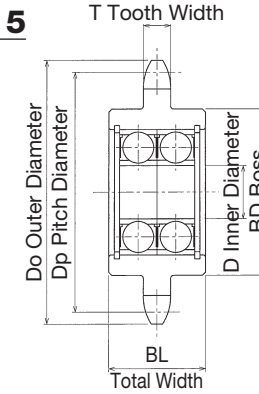
m Carbon Structural Steel
h High-frequency Hardened Teeth

| 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 | 54 | 48.824 | 38 | | 22 | 11 | 8.85 | 6001ZZ | 16 | 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 | 59 | 53.068 | 38 | | 22 | 11 | 7.4 | 6001ZZ | 16 | 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 | 76 | 67.617 | 44 | | 26 | 13 | 7.15 | 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 | |

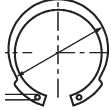
C-type Double Idler Sprockets

● 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 | 54 | 48.824 | 38 | | 22 | 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 | 59 | 53.068 | 38 | | 22 | 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 | 76 | 67.617 | 44 | | 26 | 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 | |

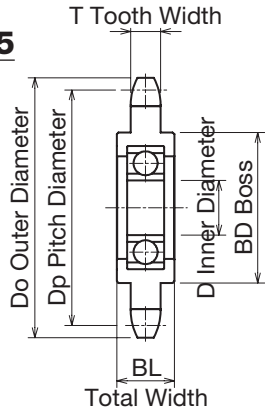
⚠ Caution * The bearing is located in the center of the sprocket.

Plastic Idler Sprockets

MEMO

● 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

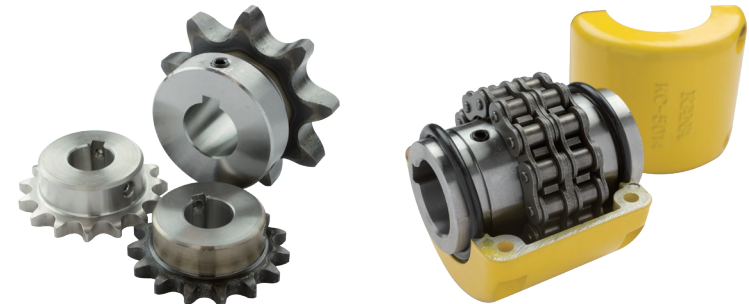
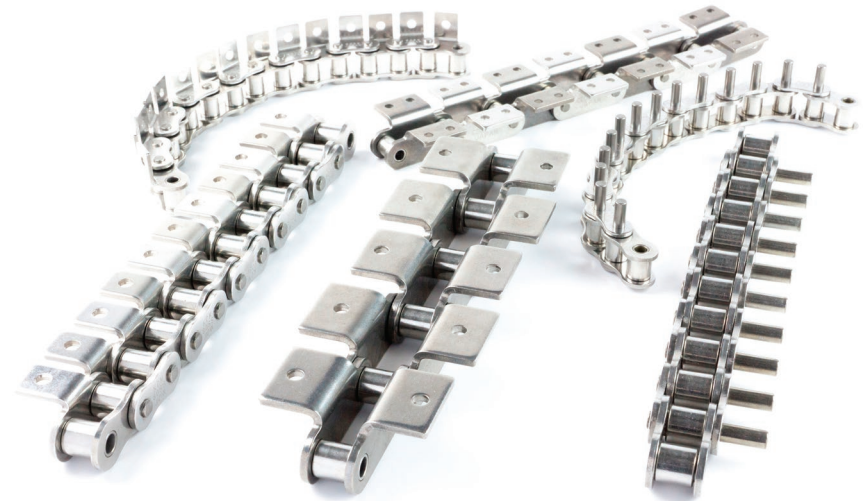
6 nylon

| 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 |





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


Caution



KANA Tensioner Series Introduction

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

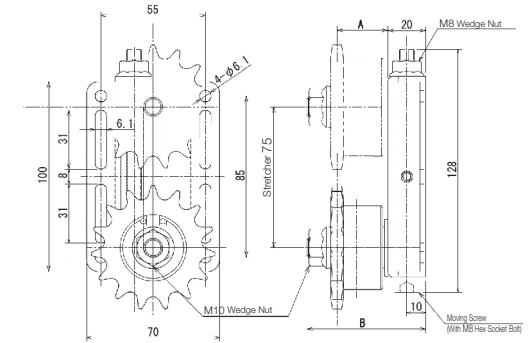
| Product Image | Product Name | Applicable Roller Chain No. For Single Rows | | | | | |
|--|---------------------|---|----|----|----|----|-----|
| | | 35 | 40 | 50 | 60 | 80 | 100 |
|  | (THB) Tight-Holders | 35 | 40 | 50 | 60 | 80 | 100 |
| | | ○ | ○ | ○ | ○ | ○ | — |
| Features Use of an eccentric 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

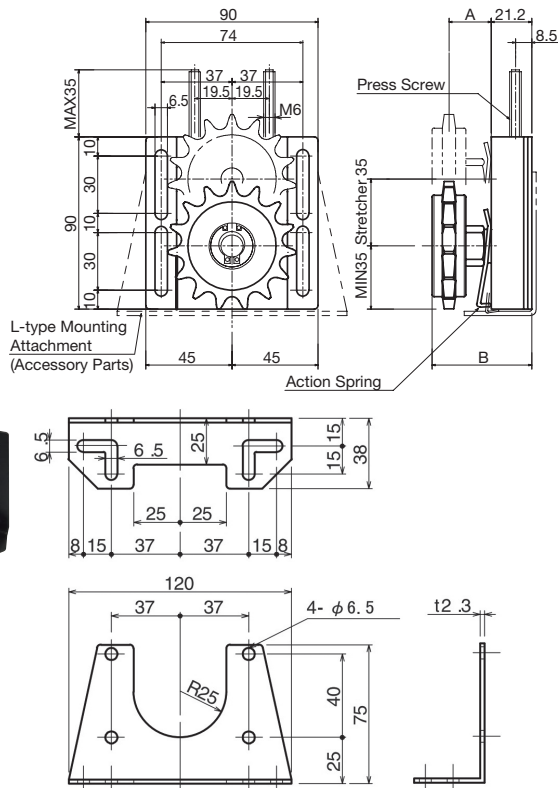
Order Product Code

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 |

Automatic Tensioner (TMB)

○ Tensioner Features

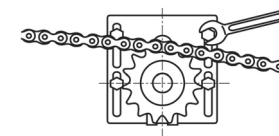
- ◆ The built-in spring automatically adjusts chain elongation so the appropriate amount of tension can be retained on a regular basis.
- ◆ The built-in spring structure adjusts the pressure with push screws, so that pressure adjustment is possible even after setting or after use.

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.

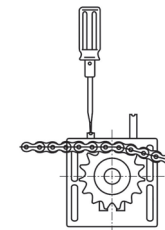
○ Mounting Method

(1) Secure the body case



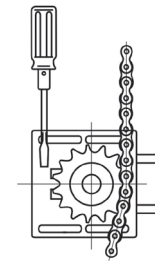
Place the idler on the chain and fasten the body case positioning bolt to secure in place.

(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.

(2) Release the stopper spring



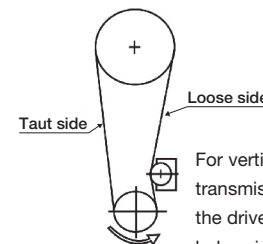
Remove the action springs hooked on the case feet in 2 places with a flathead screwdriver.

(4)



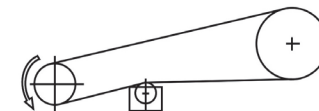
Make sure that the existing sprocket shaft and the tensioner shaft are parallel and that each sprocket is in the same plane.

○ Use Examples

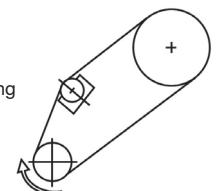


For vertical transmission where the drive shaft is below, install near the drive sprocket.

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.

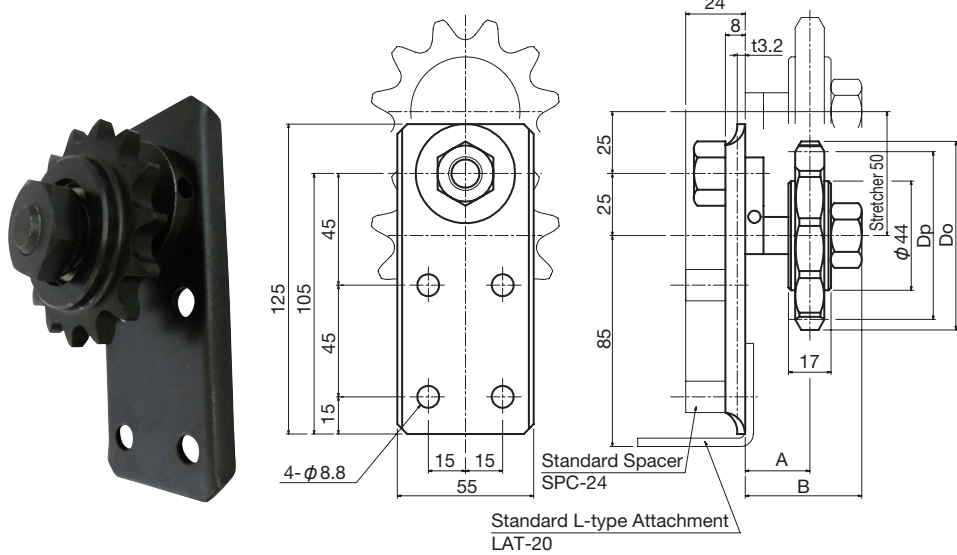


Tight-Holder THB Series

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 |



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

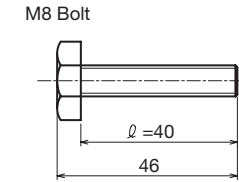
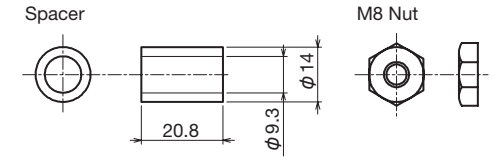
Caution

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.

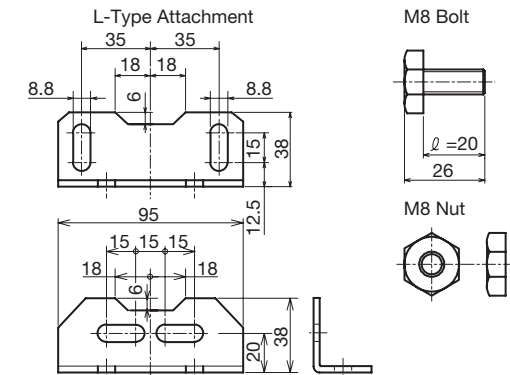
THB 35 SPC
THB 40 SPC
THB 50 SPC
THB 60 SPC
THB 80 SPC

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

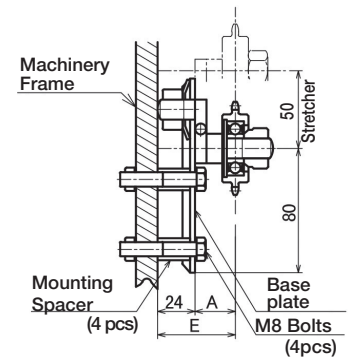
Tight-Holder L-Type with Attachment No.

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

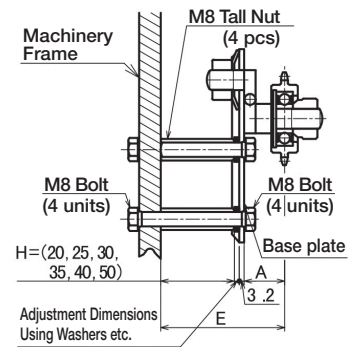


Dimension Table mm

| Model Number | 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

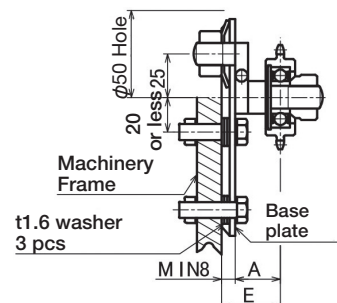
| Model Number | E | A |
|--------------|--|----|
| THB35~60 | Approx. 50 to 80 Adjustable with Tall Nut and Washer | 26 |
| THB80 | | 30 |

* 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 | E | A |
|--------------|--------|----|
| THB35~60 | MIN.34 | 26 |
| THB80 | MIN.38 | 30 |

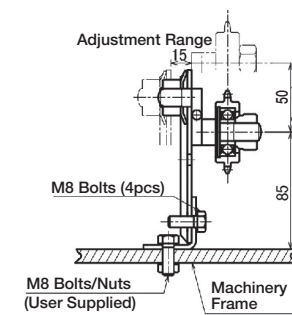
Choose a position in which the pin fixing nut does not collide with the gantry of the machine/device, or make a hole of $\phi 50$ to prevent the pin fixing nut from interfering with the gantry.



Tight-Holder THB Series

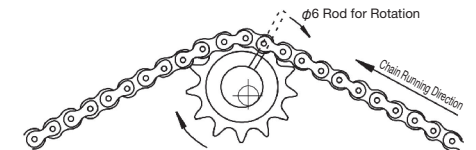
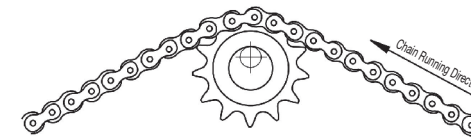
Mounting Method

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.

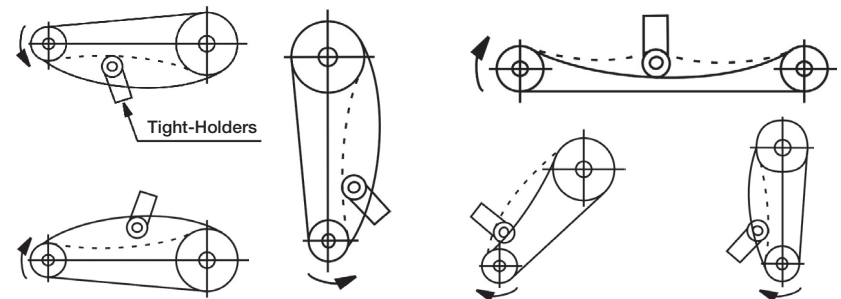
If you rotate the eccentric pin with a $\phi 6$ rod in its outer circumference hole, a tension margin of up to 50mm can be obtained. Fix the eccentric pin fixing nut sufficiently in the running direction of the chain by fixing the base plate so that the idler engages with the chain in a position where 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 below.

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.

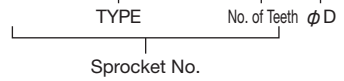
Compatible Products

| | | | |
|-------------------|----------------------|-------------------|----------------------|
| 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

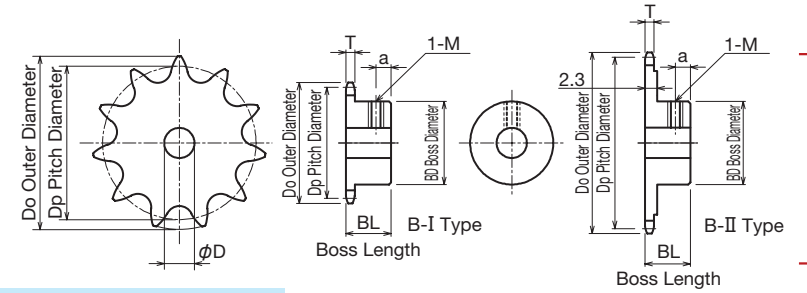


- Chain **No.11**
- Chain Pitch **(P) 3.7465mm**
- Bushing Link Inner Width **(W) 1.83 mm**
- Bushing Outside Diameter **(Dr) 2.285 mm**
- Tooth Width **(T) 1.6 mm**

| TYPE | | SUSFBP11B | | | | | | | | | |
|--------------|----------|--------------------|----------------|-------------------------|---|------|--------|-----|------|---|----------|
| | | m Stainless Steel | | | | | | | | | |
| No. of Teeth | Type | ϕD Reference | Product Code | Keyway bxt ² | 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 bxt ² | 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.

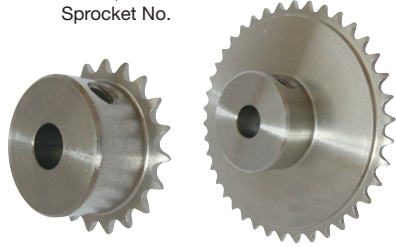
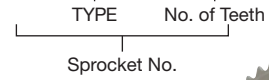
! * Finished Hole Tolerance
 Less than $\phi 8$: H8
 More than $\phi 8$: H7
 Caution

NK11SSB

Micropitch Sprocket B-type

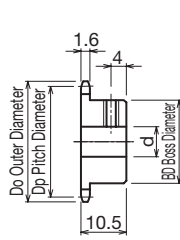
Order Product Code

NK11SSB 16

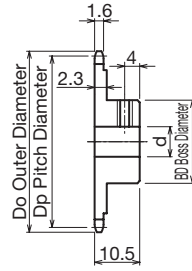


B-I Type

B-II Type



B-I Type



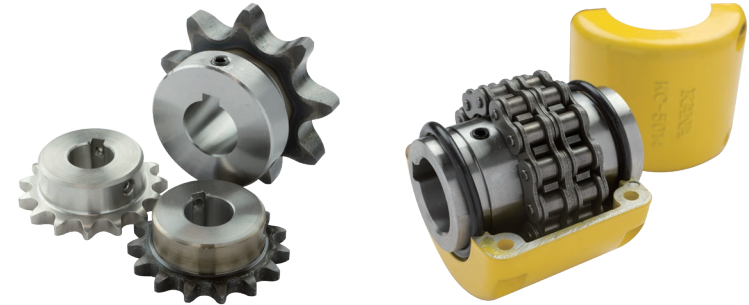
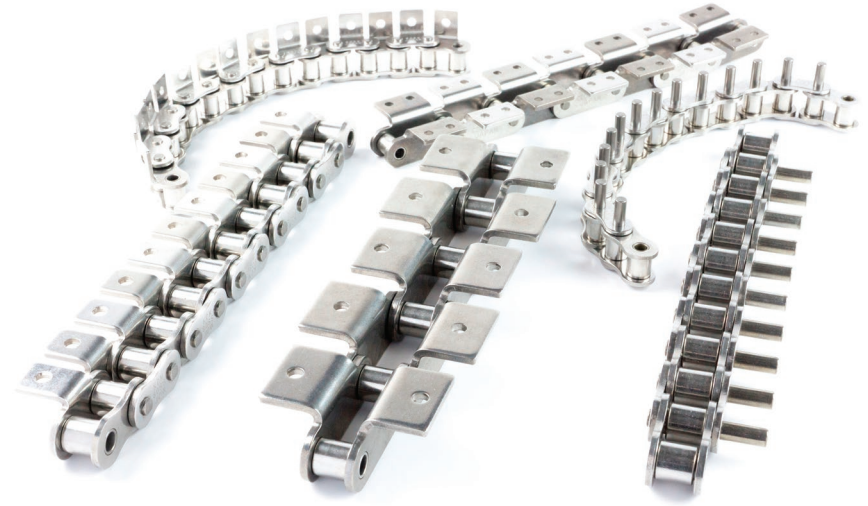
B-II Type

- ChainNo.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 | | BD | BL | Set Screw Hole | Shape | Weight g |
|----------------|--------------|-----------|--------|--------|-----------------------|---------|------|------|----------------|----------------------|----------|
| | | | | | Minimum | Maximum | | | | | |
| 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 | | | 23.3 |
| | 24 | 30.7 | 28.703 | 6 | 13 | 19 | 10.5 | M4 | 25.7 | | |
| | 28 | 35.5 | 33.462 | 6 | 13 | 19 | 10.5 | M4 | 28.7 | | |
| | 30 | B-II-type | 37.9 | 35.842 | 6 | 13 | 19 | 10.5 | | 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 | | | M4 |
| 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

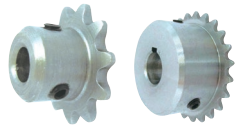
Order Product Code

FBP15B15D8
FBN15B30D12

TYPE No. of Teeth ϕD

Sprocket No.

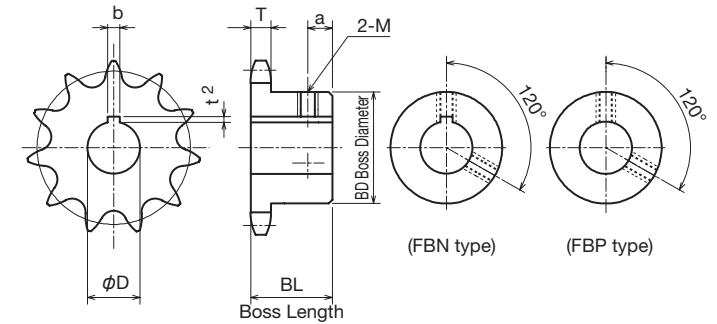
- Chain No.15 FBP-type FBN-type
- Chain Pitch (P) 4.7625 mm
- Bushing Link Inner Width (W) 2.38 mm
- Bushing Outside Diameter (Dr) 2.48 mm
- Tooth Width (T) 2.0 mm



| TYPE | FBP15B/FBN15B | | | | | | | | | |
|--------------|-------------------------|---------------|-------------------------|---|------|--------|----|----|---|----------|
| | Carbon Structural Steel | | | | | | | | | |
| Product Code | No. of Teeth | ϕD^{H7} | Keyway bxt 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 | 3x1.4 | 4 | 39.0 | 36.487 | 30 | 16 | 7 | 88 |
| FBN15B24D12 | 24 | 12 | 4x1.8 | 5 | 39.0 | 36.487 | 30 | 16 | 7 | 88 |
| FBN15B24D15 | 24 | 15 | 5x2.3 | 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 | | | | | | | | | |
|--------------|-------------------------|---------------|-------------------------|---|------|--------|----|----|---|----------|
| | Carbon Structural Steel | | | | | | | | | |
| Product Code | No. of Teeth | ϕD^{H7} | Keyway bxt ² | M | Do | Dp | BD | BL | a | Weight g |
| FBN15B26D12 | 26 | 12 | 4x1.8 | 5 | 42.0 | 39.511 | 33 | 16 | 7 | 104 |
| FBN15B26D15 | 26 | 15 | 5x2.3 | 6 | 42.0 | 39.511 | 33 | 16 | 7 | 104 |
| FBN15B26D16 | 26 | 16 | 5x2.3 | 6 | 42.0 | 39.511 | 33 | 16 | 7 | 104 |
| FBN15B28D12 | 28 | 12 | 4x1.8 | 5 | 45.0 | 42.536 | 37 | 16 | 7 | 131 |
| FBN15B28D15 | 28 | 15 | 5x2.3 | 6 | 45.0 | 42.536 | 37 | 16 | 7 | 131 |
| FBN15B28D16 | 28 | 16 | 5x2.3 | 6 | 45.0 | 42.536 | 37 | 16 | 7 | 131 |
| FBN15B30D12 | 30 | 12 | 4x1.8 | 5 | 48.0 | 45.562 | 39 | 16 | 7 | 147 |
| FBN15B30D15 | 30 | 15 | 5x2.3 | 6 | 48.0 | 45.562 | 39 | 16 | 7 | 147 |
| FBN15B30D16 | 30 | 16 | 5x2.3 | 6 | 48.0 | 45.562 | 39 | 16 | 7 | 147 |
| FBN15B33D12 | 33 | 12 | 4x1.8 | 5 | 52.5 | 50.102 | 40 | 18 | 8 | 178 |
| FBN15B33D15 | 33 | 15 | 5x2.3 | 6 | 52.5 | 50.102 | 40 | 18 | 8 | 178 |
| FBN15B33D16 | 33 | 16 | 5x2.3 | 6 | 52.5 | 50.102 | 40 | 18 | 8 | 178 |
| FBN15B35D12 | 35 | 12 | 4x1.8 | 5 | 55.5 | 53.130 | 40 | 18 | 8 | 182 |
| FBN15B35D15 | 35 | 15 | 5x2.3 | 6 | 55.5 | 53.130 | 40 | 18 | 8 | 182 |
| FBN15B35D16 | 35 | 16 | 5x2.3 | 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 $\phi 8$: H8
More than $\phi 8$: H7

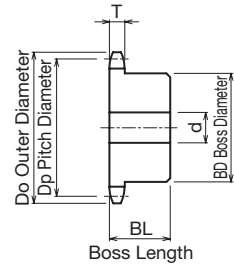
NK15B

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**

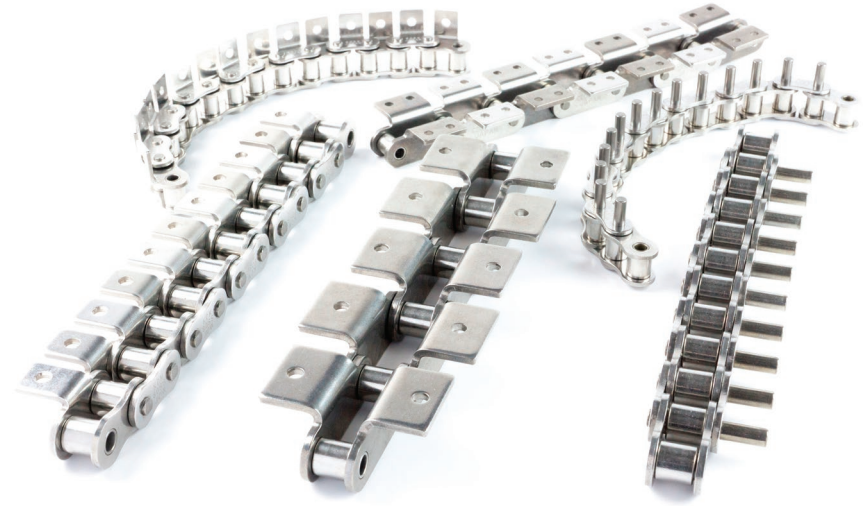
m Carbon Structural Steel

| 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 |



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

MEMO



SUSFBN25B

Order Product Code

SUSFBN25B 17 D10

TYPE No. of Teeth ϕD^{H7}
Sprocket No.



Order Product Code K4

SUSFBN25B 17 D10 K4

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

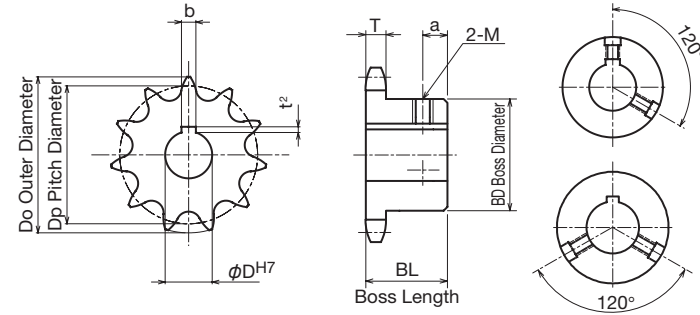
- Chain **No.25**
- Chain Pitch (P) **6.35 mm**
- Bushing Link Inner Width (W) **3.18 mm**
- Bushing Outside Diameter (Dr) **3.30 mm**
- Tooth Width (T) **2.8 mm**

K4 Part is a special shaft diameter specification only

| TYPE | SUSFBN25B | | | | | | | | | |
|------------------|--------------------------|---------------|----------------------------|---|----|-------|----|----|---|-------------|
| | m Stainless Steel GB 304 | | | | | | | | | |
| Product Code | No. of Teeth | ϕD^{H7} | Keyway b×t ² | 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 D10 K4×1.8 Specification SUS FBN Finished Bore Sprocket New JIS Keyway Specification



K4 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×t ² | 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×t ² | Set screw M |
|---------------|----------------------------|----------------|
| 10 | 4×1.8 | 4 |

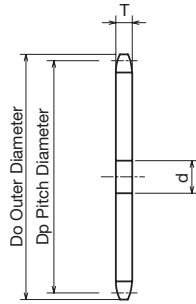
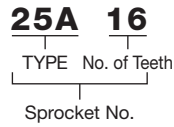
* K4 Parts only can be selected for special shaft hole machining.

! * If you order a special shaft diameter specification, please append K4 after the hole diameter.
Example: SUSFBN25B19D10K4
Caution

25A

Standard Sprocket A-type

Order Product Code



- ChainNo.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.

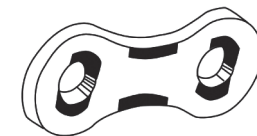
Large sprocket teeth — when 60 to 80, then chain elongation — 1.2%
 Large sprocket teeth — when 81 to 100, then chain elongation — 1.0%
 Large sprocket teeth — when 101 or more, then chain elongation — 0.8%

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.



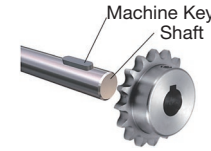
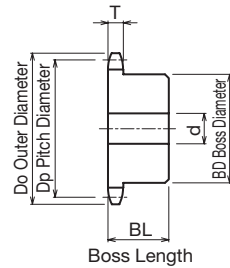
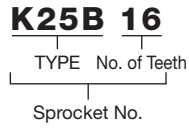
Locations Prone to Cracks

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

Standard Sprocket B-type

Order Product Code



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

- ChainNo.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

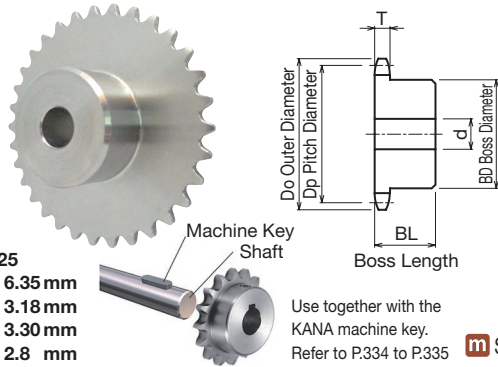
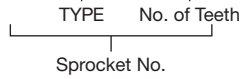
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Weight g |
|------|--------------|-----|---------|-----------------------|---------|---------|----|----|----------------------|----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | |
| K25B | 35 | 74 | 70.839 | 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



- ChainNo.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

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 | | | | |
| 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 | | |

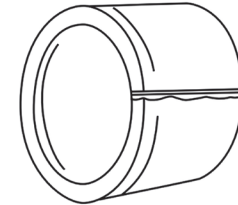
MEMO

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.



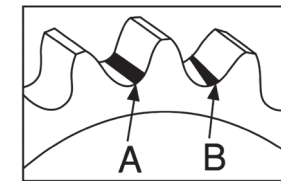
Roller Cracks

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).



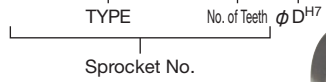
However, when tensile force remains on the slack side when applying initial tension it may slightly hit the tooth bottom (valley). However, in this case as well the strongest point of contact is the position in Fig. A.

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

SUSFBN35B

Order Product Code

SUSFBN35B 17 D12



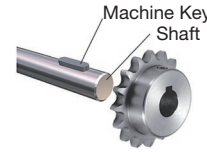
- Chain **No.35**
- Chain Pitch **(P) 9.525 mm**
- Bushing Link Inner Width **(W) 4.78 mm**
- Bushing Outside Diameter **(Dr) 5.08 mm**
- Tooth Width **(T) 4.3 mm**

m Stainless Steel **GB** 304

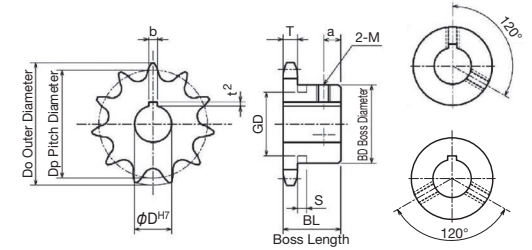
| TYPE | SUSFBN35B | | | | | | | | | | |
|----------------|--------------|-------------------|----------------------------|---|----|-------|----|----|---|--------------|--|
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | M | Do | Dp | BD | BL | a | Weight kg | |
| SUSFBN35B23D16 | 23 | 16 | 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.

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



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

| TYPE | SUSFBN35B | | | | | | | | | | |
|----------------|--------------|-------------------|----------------------------|---|-----|--------|----|----|----|--------------|--|
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | 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.



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

Caution

35A

Standard Sprocket A-type

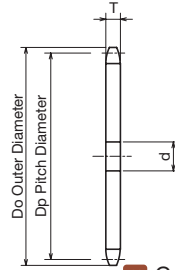
Order Product Code

35A 12

TYPE No. of Teeth

Sprocket No.

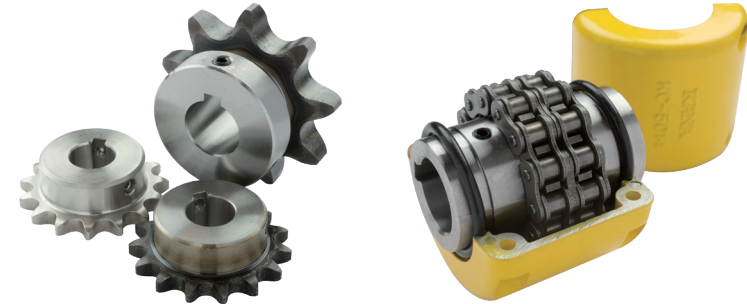
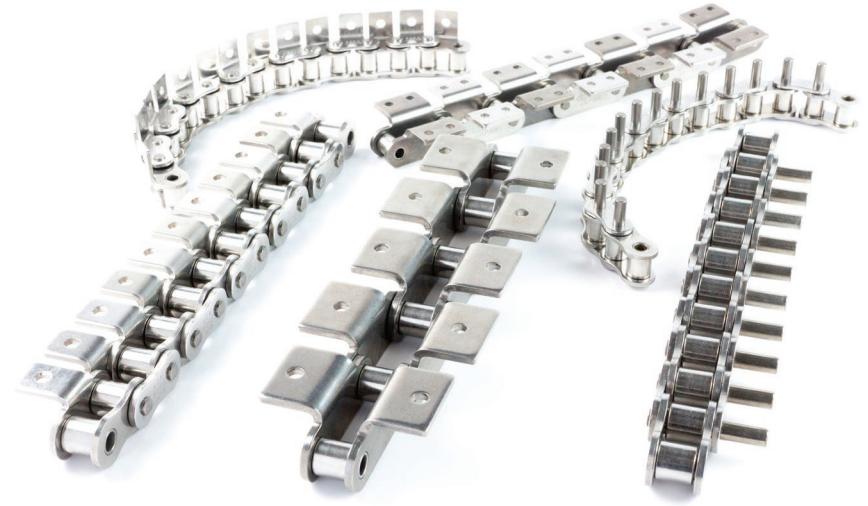
- Chain **No.35**
- Chain Pitch **(P) 9.525 mm**
- Bushing Link Inner Width **(W) 4.78 mm**
- Bushing Outside Diameter **(Dr) 5.08 mm**
- Tooth Width **(T) 4.3 mm**



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

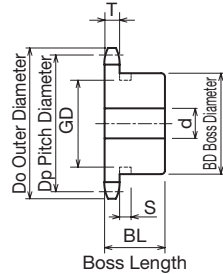
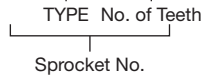


NK35B

Standard Sprocket B-type

Order Product Code

NK35B 24



- 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 | 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 | 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 | | 14 |
| 9 | 4.4 | 17 |
| 10 | | 20 |
| 11 | 4.4 | 23 |
| 12 | | 26 |
| 13 | 4.4 | 29 |

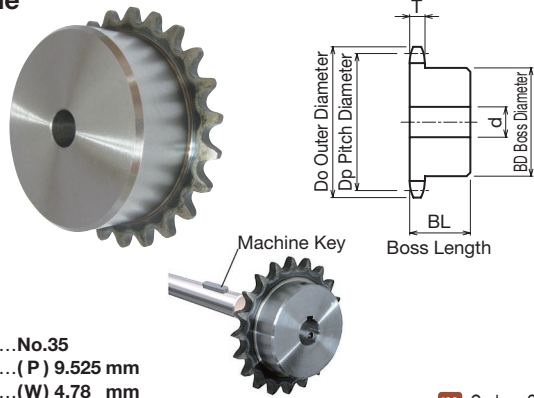


K35B

K Sprocket Former B-type

Order Product Code

K35B 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**

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

- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

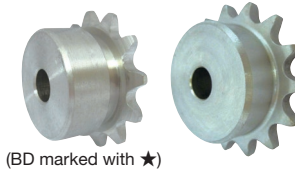
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Weight kg | | |
|------|--------------|---|--------|-----------------------|---------|---------|----|----|----------------------|-----------|--|--|
| | | | | Prepared Hole | Minimum | Maximum | | | | | | |
| K35B | 10 | 35 | 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 | 25 | Ground Specification | 0.59 | | |
| 25 | 81 | 75.997 | 11 | 12 | 38 | 60 | 25 | 25 | | 0.60 | | |
| 26 | 84 | 79.022 | 11 | 12 | 38 | 60 | 25 | 25 | | 0.60 | | |
| 28 | 90 | 85.072 | 11 | 12 | 38 | 60 | 25 | 25 | | 0.62 | | |
| 30 | 96 | 91.124 | 11 | 12 | 38 | 60 | 25 | 25 | | 0.65 | | |
| 33 | 105 | 100.204 | 11 | 12 | 38 | 60 | 25 | 25 | | 0.68 | | |
| 37 | 118 | 112.315 | 12 | 13 | 35 | 55 | 35 | 35 | | 0.91 | | |
| 38 | 121 | 115.344 | 12 | 13 | 35 | 55 | 35 | 35 | | 0.93 | | |
| 39 | 124 | 118.372 | 12 | 13 | 35 | 55 | 35 | 35 | | 0.95 | | |
| 40 | 127 | 121.401 | 12 | 13 | 35 | 55 | 35 | 35 | | 0.97 | | |

SUS35B

SUS Stainless Steel Sprocket B-type

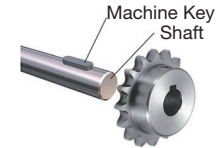
Order Product Code

SUS35B 20
 TYPE No. of Teeth
 Sprocket No.



(BD marked with ★)

- 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

! 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 |

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 |

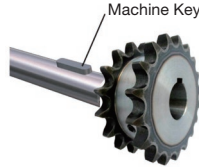
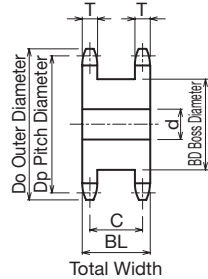
35SD

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

- ChainNo.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 |

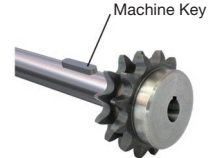
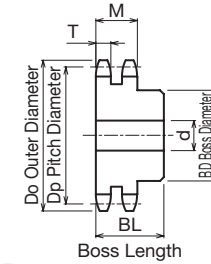
NK35-2B

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

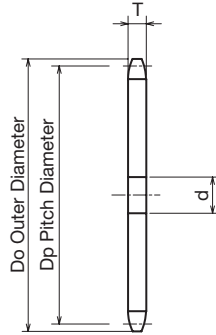
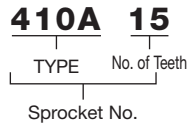
- ChainNo.35-2
- Chain Pitch(P) 9.525 mm
- Bushing Link Inner Width(W) 4.78 mm
- Bushing Outside Diameter(Dr) 5.08 mm
- Tooth Width(T) 4.1 mm
- Complete Tooth Width(M) 14.2 mm

| 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 | Carbon Structural Steel 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

Standard Sprocket A-type

Order Product Code



- 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

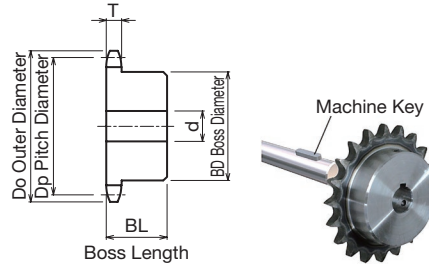
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 410A | 33 | 141 | 133.605 | 14 | 15 | 0.75 |
| | 34 | 145 | 137.642 | 14 | 15 | 0.80 |
| | 35 | 149 | 141.679 | 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

- ChainNo.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.

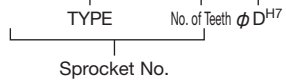
Lp (pitch count) derived from the formula above is very rarely an integer, and is usually a decimal to be rounded up. If the result is an odd number, an offset link can be used, but an even number is preferable.

| N2 - N1 | $\frac{2}{\pi^2} (N_2 - N_1)^2$ | N2 - N1 | $\frac{2}{\pi^2} (N_2 - N_1)^2$ | N2 - N1 | $\frac{2}{\pi^2} (N_2 - N_1)^2$ |
|---------|---------------------------------|---------|---------------------------------|---------|---------------------------------|
| 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 | | |

FBN40SD

Order Product Code

FBN40SD18D25



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

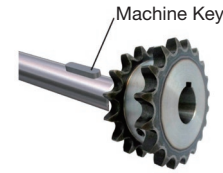


- m Carbon Structural Steel
- h High-frequency Hardened Teeth

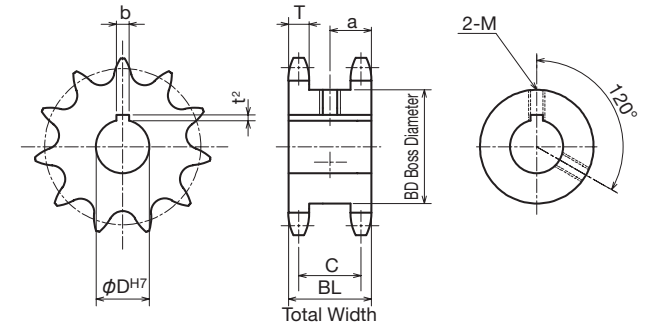
| TYPE | FBN40SD | | | | | | | | | | |
|--------------|--------------|-------------------|-------------------------|---|------|--------|----|----|------|-----------|--|
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | M | Do | Dp | BD | BL | a | Weight kg | |
| FBN40SD12D15 | 12 | 15 | 5×2.3 | 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.

FBNSD Finished Bore Sprocket Single-Double New JIS Keyway Specification



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



| TYPE | FBN40SD | | | | | | | | | | |
|--------------|--------------|-------------------|-------------------------|---|------|--------|----|----|------|-----------|--|
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | 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 | |

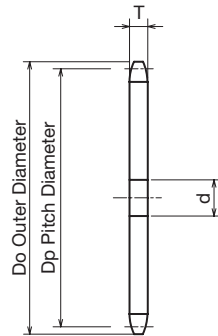
*M is a set screw. * The seal set screws differ from the usual due to the boss type.

40A

Standard Sprocket A-type

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

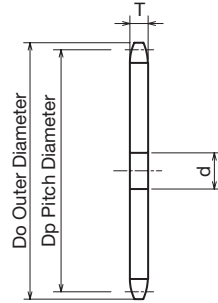
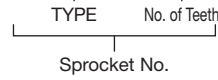
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 40A | 40 | 169 | 161.868 | 16 | 17 | 1.20 |
| | 41 | 173 | 165.906 | 16 | 17 | 1.20 |
| | 42 | 177 | 169.945 | 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



- 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

- 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 |

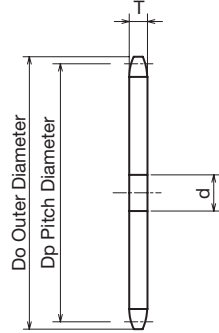
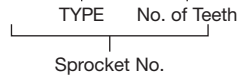
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|--------------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| HG40A | 32H | 137 | 129.569 | 14 | 15 | 0.70 |
| | 34H | 145 | 137.642 | 14 | 15 | 0.80 |
| | 35H | 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

Stainless Steel Sprocket A-type

Order Product Code

SUS40A 20



- 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 |

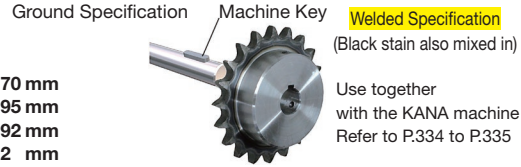
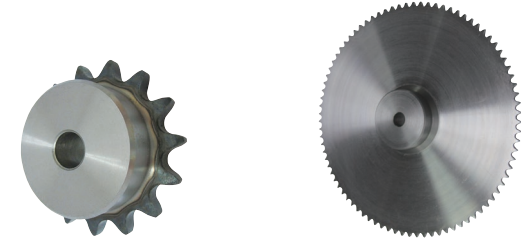
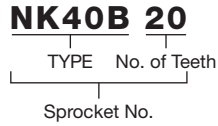
m Stainless Steel **GB** 304

| 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

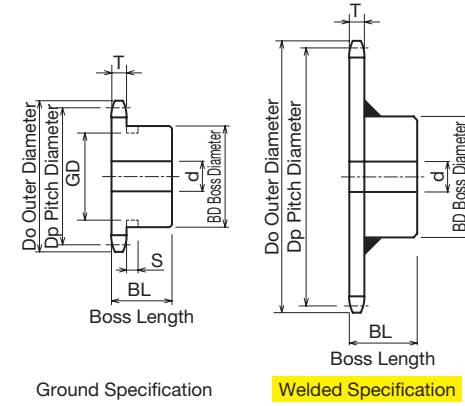
Standard Sprocket B-type

● Order Product Code



- 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 | Carbon Structural Steel 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 |



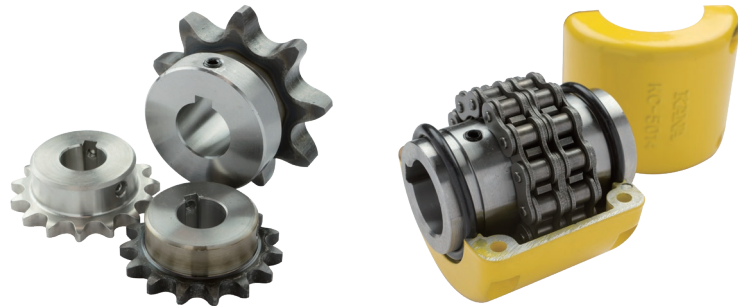
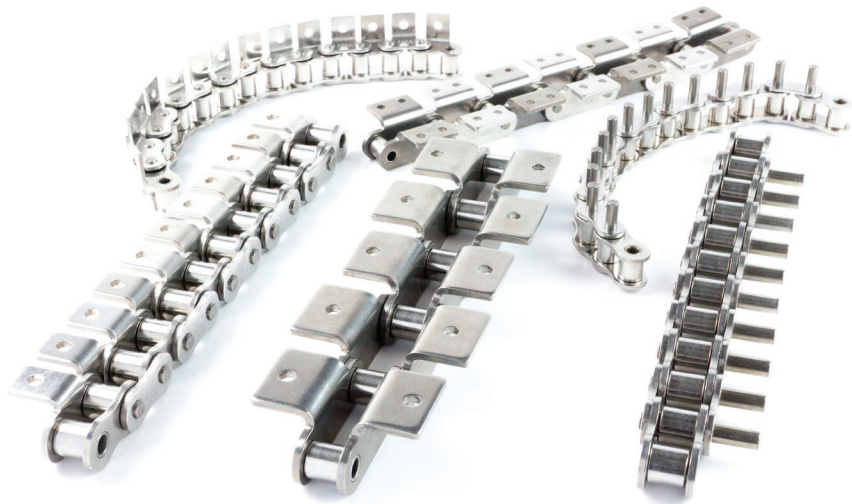
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|-------|--------------|-----|---------|-----------------------|---------|---------|----|----|----------------------|--|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK40B | 41 | 173 | 165.906 | 16 | 17 | 48 | 73 | 32 | Ground Specification | Carbon Structural Steel 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 | | | 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 | | 18 |
| 9 | 5.2 | 23 |
| 10 | | 27 |
| 11 | 5.2 | 31 |
| 12 | 5.2 | 35 |



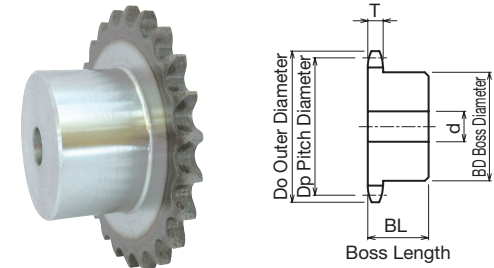
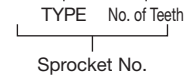
MEMO



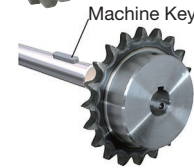
K40B

● Order Product Code

K40B 20



- ChainNo.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 |

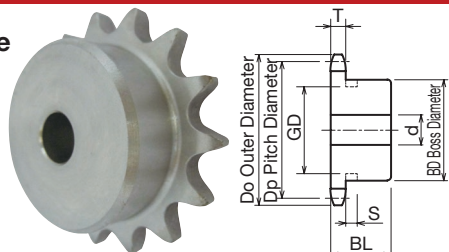
SUS40B

SUS Stainless Steel Sprocket B-type

Order Product Code

SUS40B 20

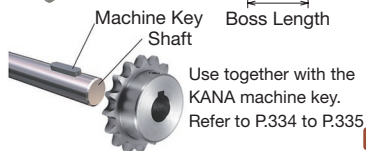
TYPE No. of Teeth
Sprocket No.



ⓘ 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 | | 31 |
| 12 | 5.2 | 35 |

- 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 |

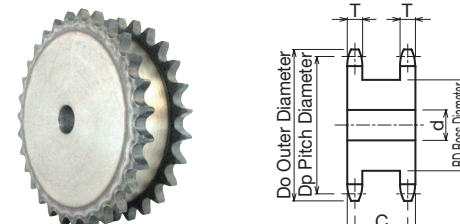
40SD

SD Single-Double Sprocket

Order Product Code

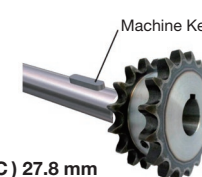
40SD 20

TYPE No. of Teeth
Sprocket No.



Total Width

- 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**



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

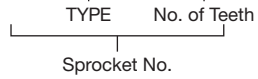
m Carbon Structural Steel
h High-frequency Hardened Teeth

| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Weight kg |
|-------------|--------------|-----|---------|-----------------------|---------|---------|-----|----|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | |
| 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

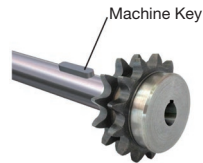
NK40-2B 15



Ground Specification

Welded Specification

(Black stain also mixed in)

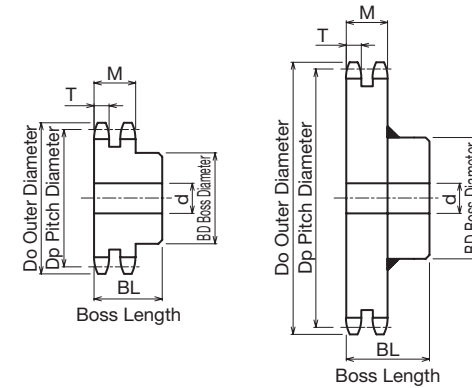


Use together with the KANA machine key. Refer to P.334 to P.335

- ChainNo.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

| 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 | Carbon Structural Steel 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 |

Standard Sprocket Two-row B-type



Ground Specification

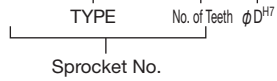
Welded Specification

| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg | | |
|---------|--------------|-----|---------|-----------------------|---------|---------|-----|----|----------------------|--|----------------------|--------------|-------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | | | |
| NK40-2B | 30 | 128 | 121.498 | 16 | 17 | 66 | 100 | 40 | Ground Specification | Carbon Structural Steel 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 | Common Steel | 10.20 |
| | 70 | 290 | 283.073 | 20 | 21 | 63 | 93 | 50 | | | | | 11.50 |

FBN50SD

Order Product Code

FBN50SD18D25



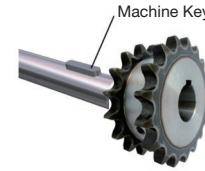
- Chain **No.50**
- Chain Pitch (P) **15.875 mm**
- Roller Link Inner Width ... (W) **9.53 mm**
- Roller Outside Diameter ... (Dr) **10.16 mm**
- Tooth Width (T) **8.7 mm**
- (C) **31.3 mm**



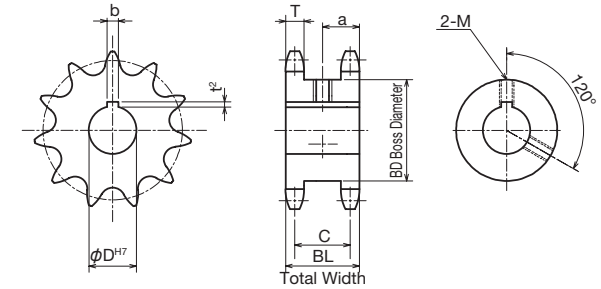
| TYPE | FBN50SD | | | | | | | | | |
|--------------|--|-------------------|-------------------------|---|------|--------|----|----|----|-----------|
| | m Carbon Structural Steel h High-frequency Hardened Teeth | | | | | | | | | |
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | M | Do | Dp | 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 | φ D ^{H7} | Keyway b×t ² | 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 |

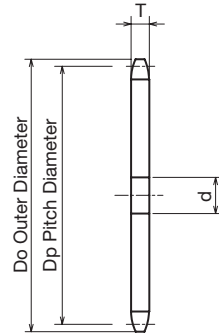
*M is a set screw. * The seal set screws differ from the usual due to the boss type.

50A

Standard Sprocket A-type

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

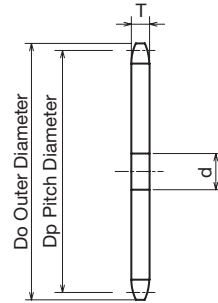
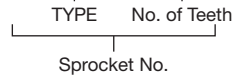
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 50A | 40 | 211 | 202.335 | 19 | 20 | 2.15 |
| | 41 | 216 | 207.383 | 19 | 20 | 2.25 |
| | 42 | 221 | 212.431 | 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



- ChainNo.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

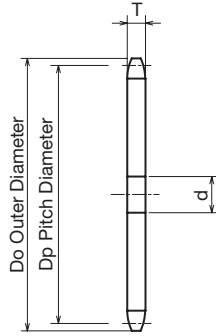
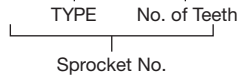
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|-------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| HG50A | 30H | 161 | 151.873 | 16 | 17 | 1.20 |
| | 32H | 171 | 161.961 | 16 | 17 | 1.35 |
| | 34H | 181 | 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

Stainless Steel Sprocket A-type

Order Product Code

SUS50A 20



- ChainNo.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

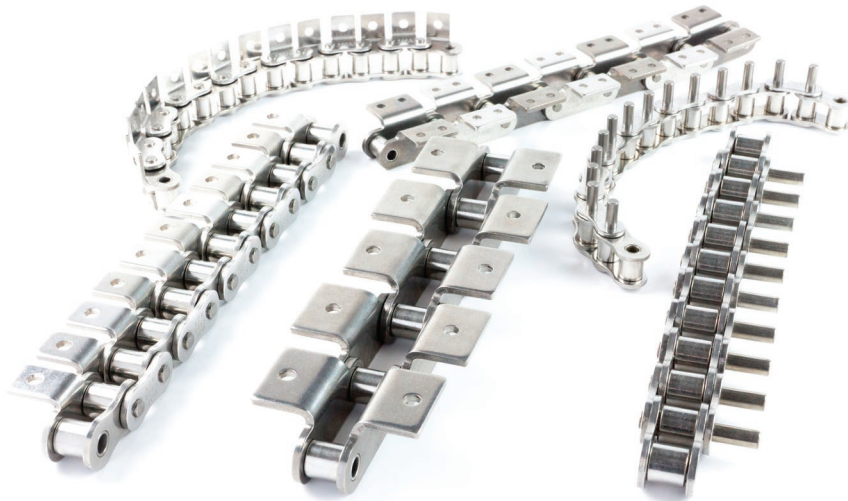
m Stainless Steel **GB** 304

| 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 |

MEMO

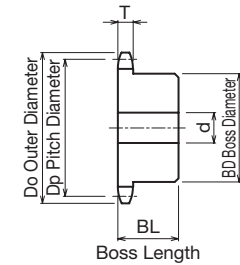
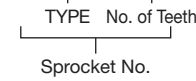


K50B

K Sprocket Former B-type

Order Product Code

K50B 15



- ChainNo.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** Carbon Structural Steel
- h** High-frequency Hardened Teeth

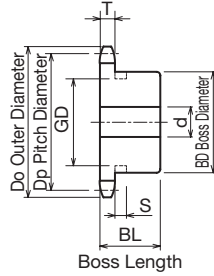
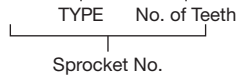
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|---------|----|----|----------------------|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | |
| K50B | 10 | 58 | 51.373 | 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

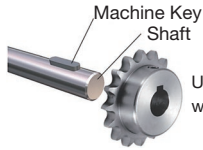
SUS Stainless Steel Sprocket B-type

Order Product Code

SUS50B 20



- 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 | Welder Specification | 2.85 | |
| 38 | 201 | 192.239 | 19 | 20 | 55 | 83 | 35 | Welder Specification | 3.05 | |
| 40 | 211 | 202.335 | 19 | 20 | 55 | 83 | 35 | Welder Specification | 3.25 | |

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

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



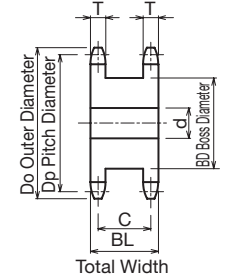
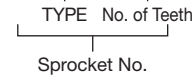
*Because teeth number 36 to 40 are being shifted from welding specification to grinding specification, the inventory is currently mixed.

50SD

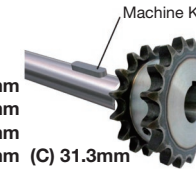
SD Single-Double Sprocket

Order Product Code

50SD 15



- 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

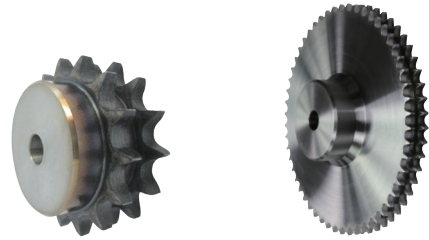
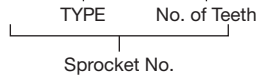
- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

| 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

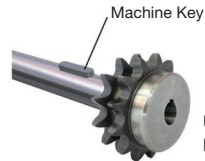
Order Product Code

NK50-2B 15



Ground Specification

Welded Specification
(Black stain also mixed in)



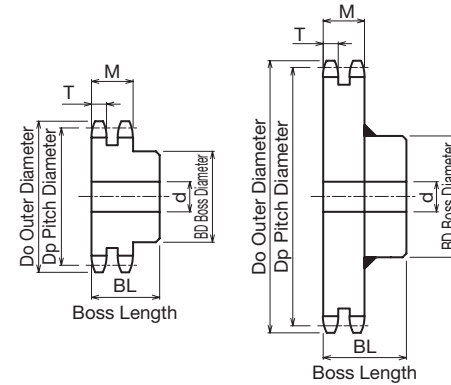
Machine Key

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

- Chain **No.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**

| 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 | Carbon Structural Steel | 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 | | | |
| | | | | | | | | | | High-frequency Hardened Teeth | Common Steel | |

Standard Sprocket Two-row B-type



Ground Specification

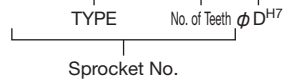
Welded Specification

| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|---------|--------------|-----|---------|-----------------------|---------|---------|-----|----|----------------------|-------------------------|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK50-2B | 30 | 161 | 151.873 | 18 | 19 | 80 | 120 | 50 | Ground Specification | Carbon Structural Steel | 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 | 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 | | |

FBN60SD

Order Product Code

FBN60SD18D30



- 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**

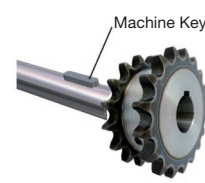


m Carbon Structural Steel
h High-frequency Hardened Teeth

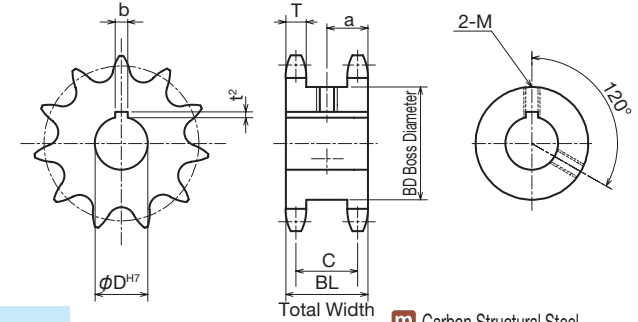
| TYPE | FBN60SD | | | | | | | | | |
|--------------|--------------|-------------------|-------------------------|----|-------|--------|----|----|----|-----------|
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | M | Do | Dp | BD | BL | a | Weight kg |
| FBN60SD12D20 | 12 | 20 | 6×2.8 | 6 | 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 | | | | | | | | | |
|--------------|--------------|-------------------|-------------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | 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 |

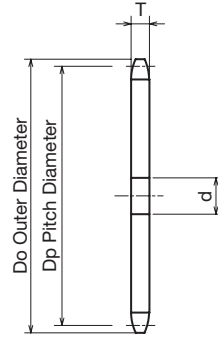
*M is a set screw. * The seal set screws differ from the usual due to the boss type.

60A

Standard Sprocket A-type

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

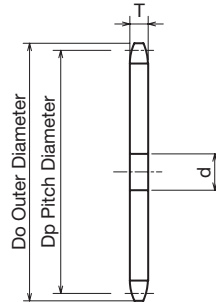
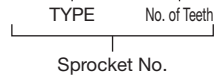
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 60A | 37 | 235 | 224.631 | 20 | 21 | 3.60 |
| | 38 | 241 | 230.687 | 20 | 21 | 3.80 |
| | 39 | 247 | 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



- ChainNo.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

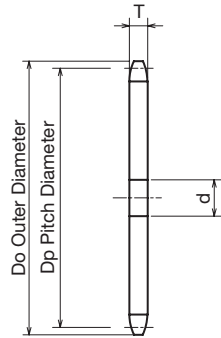
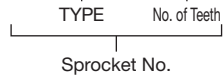
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|-------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| HG60A | 38H | 241 | 230.687 | 20 | 21 | 3.80 |
| | 39H | 247 | 236.744 | 20 | 21 | 4.00 |
| | 40H | 253 | 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

Stainless Steel Sprocket A-type

Order Product Code

SUS60A 20



- 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

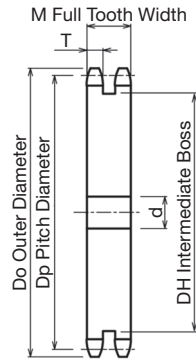
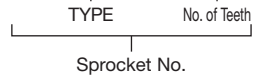
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|--------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| SUS60A | 30 | 193 | 182.247 | 18 | 19 | 2.35 |
| | 31 | 199 | 188.300 | 20 | 21 | 2.50 |
| | 32 | 205 | 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



- ChainNo.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 $S \leq 0.01$

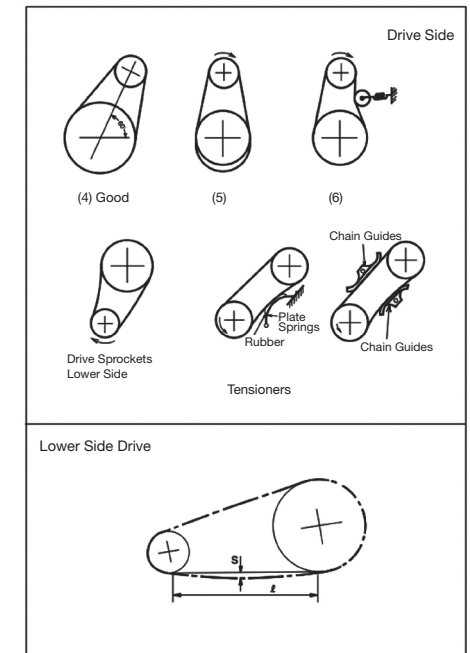
- ◆ Vertical or near-vertical arrangement
- ◆ Upper side is deflection side, in horizontal or near-horizontal arrangement
- ◆ Shaft distance exceeds 50x chain pitch
- ◆ Vibration or impact is present
- ◆ Frequent starting and stopping
- ◆ Sudden reversal
- ◆ Fluctuation ratio of 7:1 or more

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)

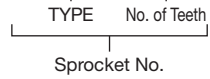


NK60B

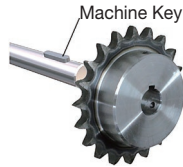
Standard Sprocket B-type

Order Product Code

NK60B 20



Ground Specification



Machine Key

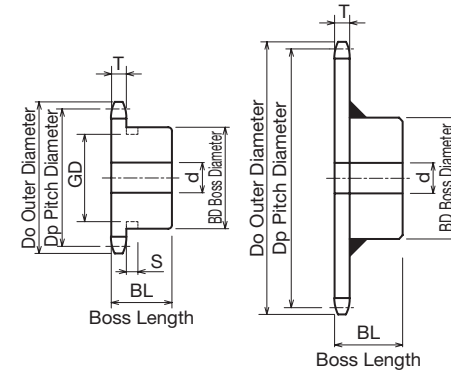


Welded Specification

(Black stain also mixed in)

- 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**

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 | | | | | |
| NK60B | 8 | 58 | 49.780 | 12 | 13 | 20 | ★34 | 32 | Ground Specification | 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 |

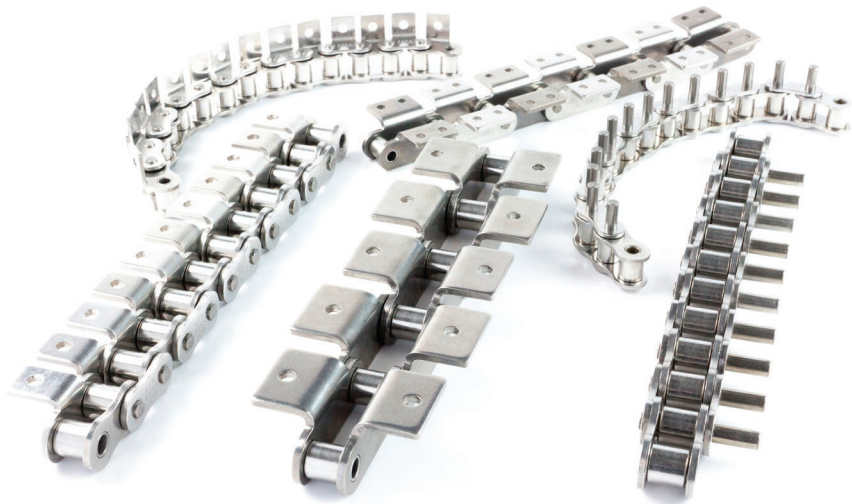
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|-------|--------------|---------|---------|-----------------------|---------|---------|-----|-------|----------------------|-------------------------------|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK60B | 41 | 260 | 248.859 | 20 | 21 | 63 | 93 | 45 | Ground Specification | 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 | | | 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 | | 26 |
| 9 | 8.0 | 32 |
| 10 | 8.0 | 37 |
| 11 | | 45 |



MEMO

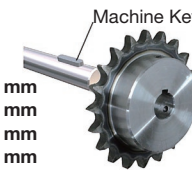
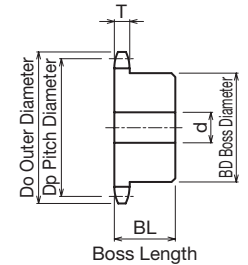
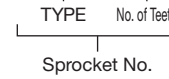


K60B

K Sprocket Former B-type

Order Product Code

K60B 15



- 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

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

- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

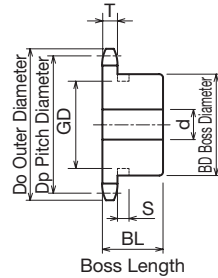
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|---------|----|----|----------------------|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | |
| K60B | 10 | 70 | 61.647 | 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

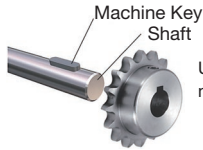
SUS Stainless Steel Sprocket B-type

Order Product Code

SUS60B 20
 TYPE No. of Teeth
 Sprocket No.



- 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



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 | | | | |
| 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 |



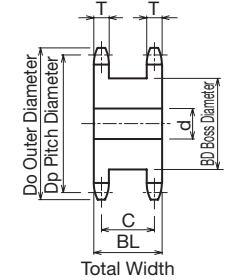
*Because teeth number 32 to 40 are being shifted from welding specification to grinding specification, the inventory is currently mixed.

60SD

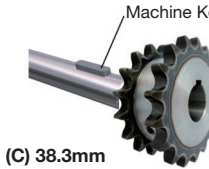
SD Single-Double Sprocket

Order Product Code

60SD 15
 TYPE No. of Teeth
 Sprocket No.



- 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



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

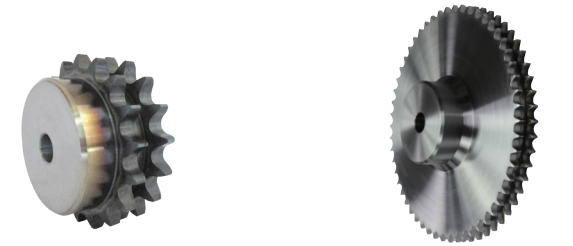
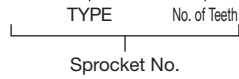
m Carbon Structural Steel
h High-frequency Hardened Teeth

| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|---------|-----|----|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | |
| 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

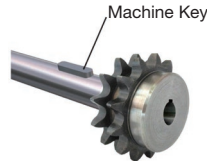


Ground Specification

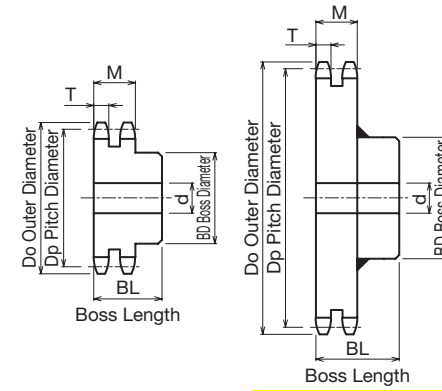
Welded Specification

(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

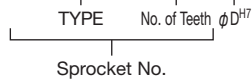
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|---------|--------------|-----|---------|-----------------------|---------|---------|-----|----|----------------------|---|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK60-2B | 10 | 70 | 61.647 | 13 | 14 | 20 | 35 | 50 | Ground Specification | High Carbon Structural Steel 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 | High Carbon Structural Steel 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 | | | 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



- 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 | φ D ^{H7} | Keyway b×t ² | 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 |

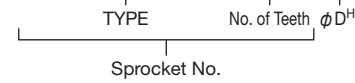
*M is a set screw. * The seal set screws differ from the usual due to the boss type.

SUSFBN80B

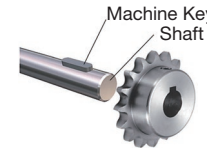
SUS FBN Stainless Steel Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

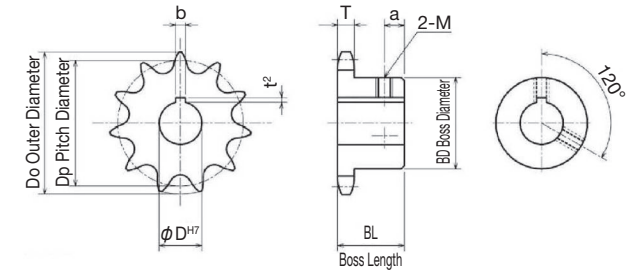
SUSFBN80B 15 D30



- 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 | φ D ^{H7} | Keyway b×t ² | 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 |

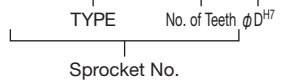
*M is a set screw. * The seal set screws differ from the usual due to the boss type.

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

FBN80SD

Order Product Code

FBN80SD18D40



- 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**

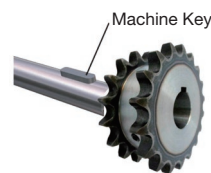


m Carbon Structural Steel
h High-frequency Hardened Teeth

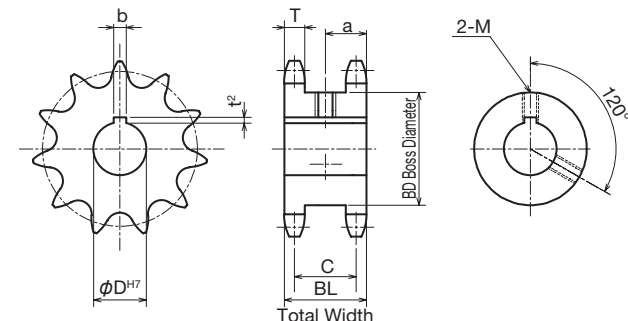
| TYPE | | FBN80SD | | | | | | | | |
|--------------|--------------|---------------|-----------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Teeth | ϕD^{H7} | Keyway $b \times t^2$ | M | Do | Dp | BD | BL | a | Weight kg |
| FBN80SD12D35 | 12 | 35 | 10×3.3 | 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



Total Width

| TYPE | | FBN80SD | | | | | | | | |
|--------------|--------------|---------------|-----------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Teeth | ϕD^{H7} | Keyway $b \times t^2$ | 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 |

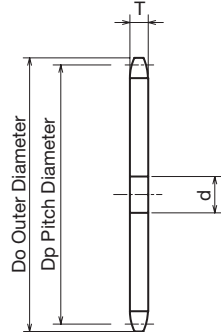
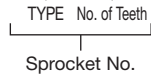
*M is a set screw. * The seal set screws differ from the usual due to the boss type.

80A

Standard Sprocket A-type

Order Product Code

80A 20



- 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

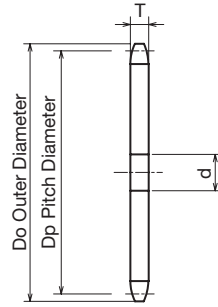
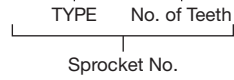
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 80A | 40 | 338 | 323.736 | 26 | 27 | 9.40 |
| | 41 | 346 | 331.813 | 26 | 27 | 9.90 |
| | 42 | 354 | 339.890 | 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



- 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

- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

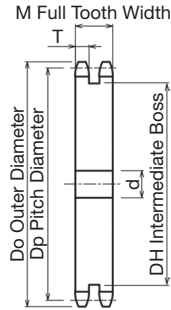
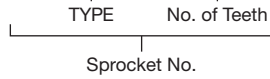
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|--------------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| HG80A | 10H | 93 | 82.196 | 15 | 16 | 0.60 |
| | 11H | 102 | 90.156 | 15 | 16 | 0.73 |
| | 12H | 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 |

| 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



- 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

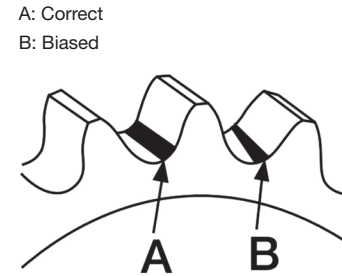
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | DH | M | Shape | Weight kg |
|---------|--------------|---------|---------|-----------------------|---------|------|-------|----------------------|-----------|
| | | | | Prepared Hole | Minimum | | | | |
| HG80-2A | 22H | 192 | 178.478 | 23 | 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

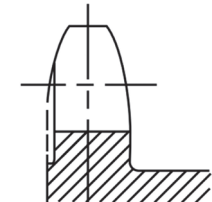
Sprocket Inspection Mini Memo

Sprocket Inspection

- 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.
- 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.
- For idlers and tensioners, contact is made at the center of the tooth base.



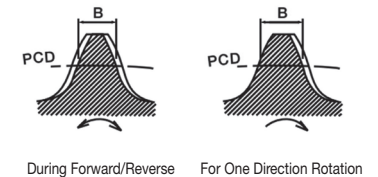
Contact with tooth side, causing wear (improper mounting)



- 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 | | ISO-B Series Roller Chain Size | B Dimension Ordinary |
|-------------------|-------------|----------|--------------------------------|----------------------|
| | General | Pin Gear | | |
| 11 | | | 06B | 1.6 |
| 15 | | | 08B | 2.1 |
| 25 | 1.5 | -- | 10B | 2.9 |
| 35 | 2.5 | -- | 12B | 3.6 |
| 41 | 2.6 | -- | 16B | 5.0 |
| 40 | 2.5 | 3.1 | 20B | 6.8 |
| 50 | 2.9 | 3.6 | 24B | 7.2 |
| 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 | | |

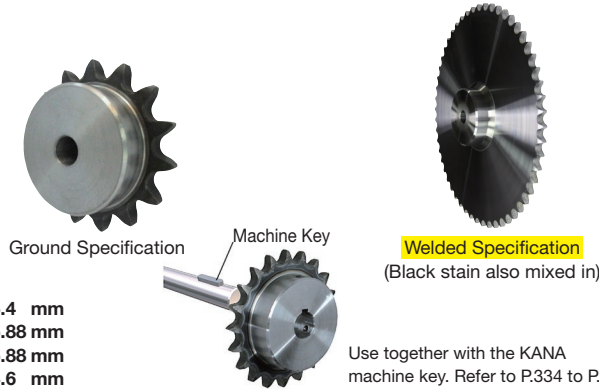
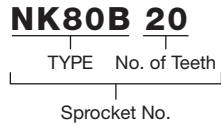


- If a new roller chain is used with a worn sprocket, rapid roller chain wear will occur, so a new sprocket should be installed.

NK80B

Standard Sprocket B-type

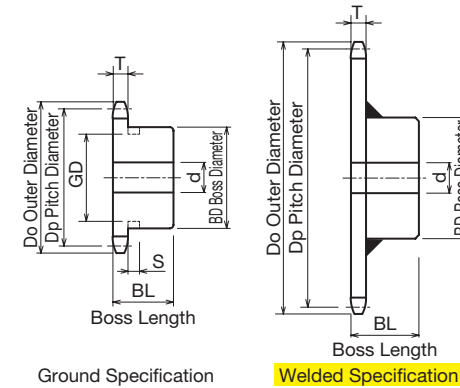
Order Product Code



- 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 | 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 | Carbon Structural Steel 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 |

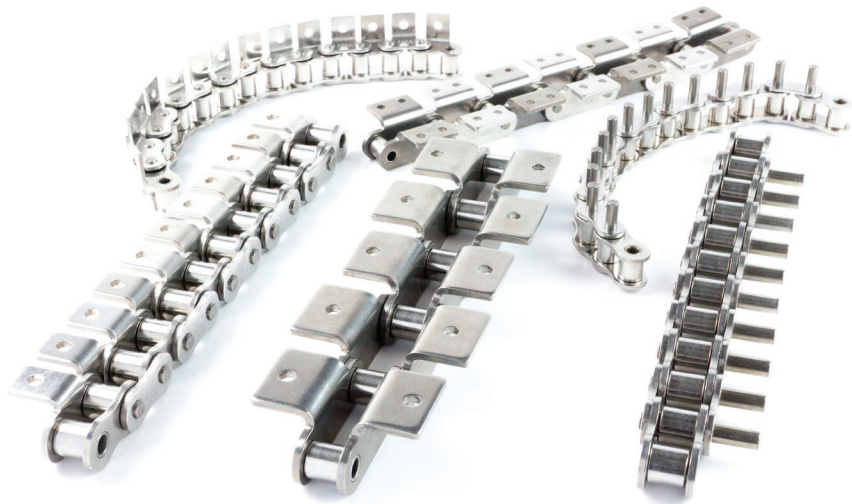


| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|-------|--------------|-----|---------|-----------------------|---------|---------|-----|----|----------------------|--|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK80B | 36 | 306 | 291.432 | 26 | 27 | 80 | 117 | 50 | Ground Specification | Carbon Structural Steel 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 | | | 15.30 |
| | 47 | 395 | 380.281 | 26 | 27 | 80 | 117 | 50 | | | 15.70 |
| | 48 | 403 | 388.361 | 26 | 27 | 80 | 117 | 50 | | | 15.80 |
| | 49 | 411 | 396.441 | 26 | 27 | 80 | 117 | 50 | | | 16.65 |
| | 50 | 419 | 404.520 | 26 | 27 | 80 | 117 | 50 | | | 17.65 |
| | 51 | 427 | 412.600 | 26 | 27 | 80 | 117 | 50 | 18.70 | | |
| | 52 | 435 | 420.680 | 26 | 27 | 80 | 117 | 50 | 19.30 | | |
| | 53 | 443 | 428.760 | 26 | 27 | 80 | 117 | 50 | 20.00 | | |
| | 54 | 451 | 436.840 | 26 | 27 | 80 | 117 | 50 | 20.60 | | |
| | 55 | 459 | 444.921 | 26 | 27 | 80 | 117 | 50 | 21.30 | | |
| | 56 | 468 | 453.002 | 26 | 27 | 80 | 117 | 50 | 22.55 | | |
| | 57 | 476 | 461.083 | 26 | 27 | 80 | 117 | 50 | 22.50 | | |
| | 58 | 484 | 469.164 | 26 | 27 | 80 | 117 | 50 | 23.10 | | |
| | 59 | 492 | 477.245 | 26 | 27 | 80 | 117 | 50 | 29.40 | | |
| | 60 | 500 | 485.326 | 26 | 27 | 80 | 117 | 50 | 32.10 | | |
| | 61 | 508 | 493.407 | 26 | 27 | 80 | 117 | 50 | 36.20 | | |
| | 62 | 516 | 501.488 | 26 | 27 | 80 | 117 | 50 | 42.90 | | |
| | 63 | 524 | 509.569 | 26 | 27 | 80 | 117 | 50 | 53.00 | | |

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

| No. of Teeth | S | GD |
|--------------|------|----|
| 8 | | 35 |
| 9 | 10.4 | 44 |



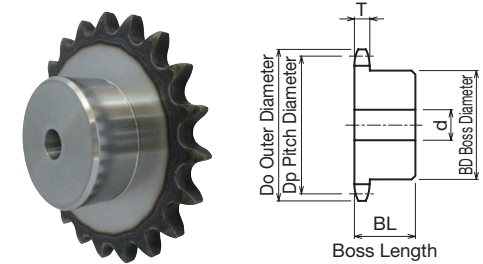
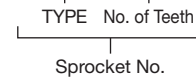


K80B

K Sprocket Former B-type

● Order Product Code

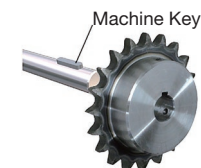
K80B 15



- 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 | | |



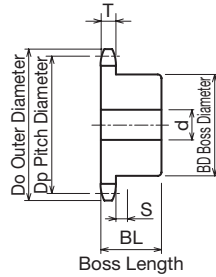
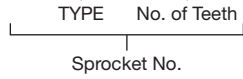
Use together with the KANA machine key. Refer to P.334 to P.335

SUS80B

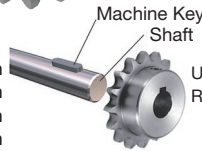
SUS Stainless Steel Sprocket B-type

Order Product Code

SUS80B 20



- 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

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 |



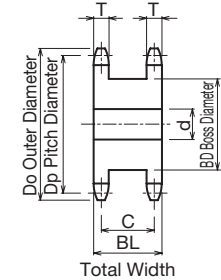
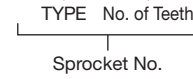
*Because teeth number 22 to 40 are being shifted from welding specification to grinding specification, the inventory is currently mixed.

80SD

SD Single-Double Sprocket

Order Product Code

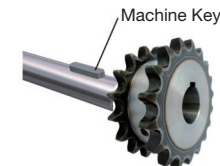
80SD 15



- 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 |

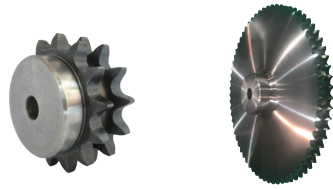
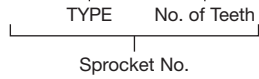


Use together with the KANA machine key. Refer to P.334 to P.335

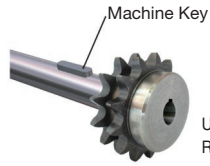
NK80-2B

Order Product Code

NK80-2B 15



Ground Specification **Welded Specification**
(Black stain also mixed in)

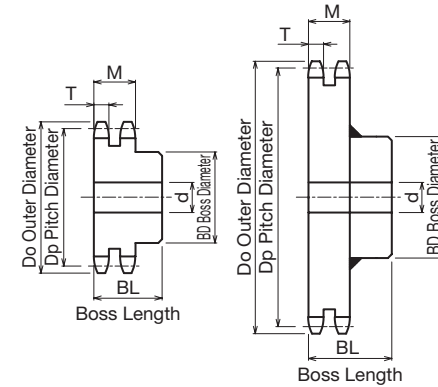


Use together with the KANA machine key.
Refer to P.334 to P.335

- Chain **No.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**

| 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 | 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 |

Standard Sprocket Two-row B-type



Ground Specification **Welded Specification**

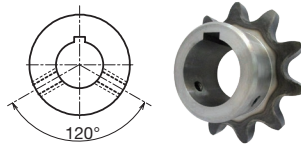
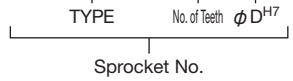
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|---------|--------------|-----|---------|-----------------------|---------|---------|-----|----|----------------------|-------------------------------|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK80-2B | 28 | 241 | 226.858 | 23 | 24 | 80 | 117 | 80 | Ground Specification | 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 | | | 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



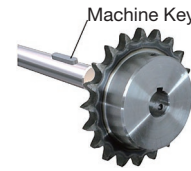
① ϕD^{H7} mark setscrew is set at a location other than the keyway (above figure).

- ChainNo.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

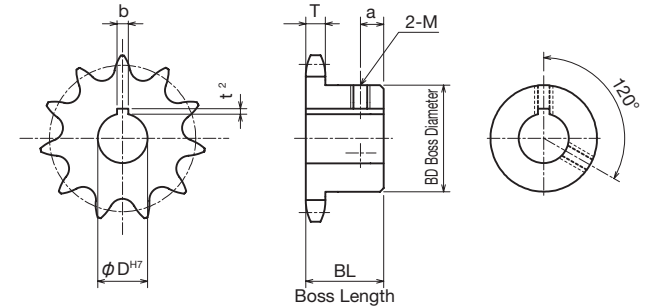
- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

| TYPE | FBN100B | | | | | | | | | |
|--------------|--------------|---------------|-------------------------|----|-------|---------|----|----|----|-----------|
| Product Code | No. of Teeth | ϕD^{H7} | Keyway b×t ² | 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.



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



- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

| TYPE | FBN100B | | | | | | | | | |
|--------------|--------------|---------------|-------------------------|----|-------|---------|----|----|----|-----------|
| Product Code | No. of Teeth | ϕD^{H7} | Keyway b×t ² | 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 |

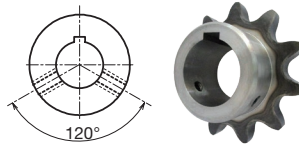
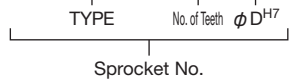
*M is a set screw. * The seal set screws differ from the usual due to the boss type.

FBN100B

FBN Finished Bore Sprocket New JIS Keyway Specification

Order Product Code

FBN100B12D30



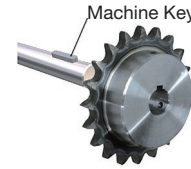
① ϕD^{H7} mark setscrew is set at a location other than the keyway (above figure).

- ChainNo.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

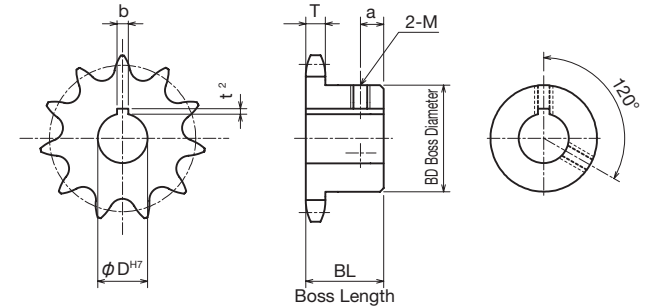
m Carbon Structural Steel
h High-frequency Hardened Teeth

| TYPE | FBN100B | | | | | | | | | |
|--------------|--------------|---------------|-------------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Teeth | ϕD^{H7} | Keyway b×t ² | 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.



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



m Carbon Structural Steel
h High-frequency Hardened Teeth

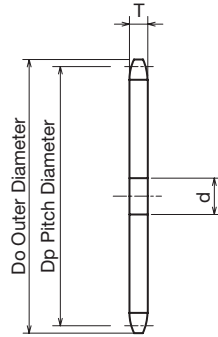
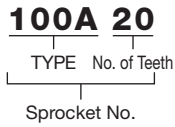
| TYPE | FBN100B | | | | | | | | | |
|--------------|--------------|---------------|-------------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Teeth | ϕD^{H7} | Keyway b×t ² | M | Do | Dp | BD | BL | a | Weight kg |
| FBN100B18D45 | 18 | 45 | 14×3.8 | 10 | 199.0 | 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

Standard Sprocket A-type

Order Product Code



- ChainNo.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

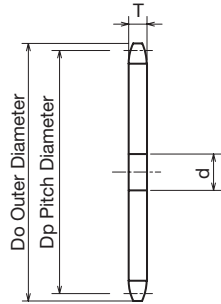
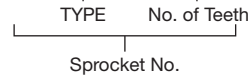
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 100A | 35 | 372 | 354.197 | 26 | 27 | 13.50 |
| | 36 | 382 | 364.290 | 26 | 27 | 14.40 |
| | 37 | 392 | 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

HG High-grade Sprocket with Hardened Teeth A-type

Order Product Code

HG100A 20H



- 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 |

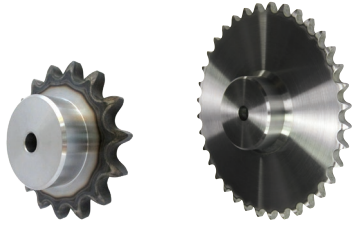
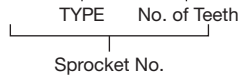
- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

| 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 | |

NK100B/NK100C

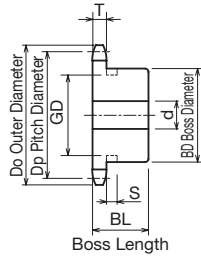
Order Product Code

NK100B 20



Ground Specification

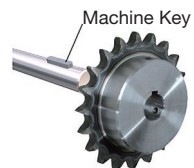
Welded Specification
(Black stain also mixed in)



B-Type Ground Specification

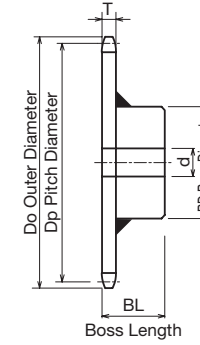
- Chain **No.100**
- Chain Pitch **(P) 31.75mm**
- Roller Link Inner Width ... **(W) 19.05mm**
- Roller Outside Diameter ... **(Dr) 19.05mm**
- Tooth Width **(T) 17.6 mm**

| Sprocket No. | | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|--------------|--------------|-----|---------|-----------------------|---------|---------|-----|----|---|--|-----------|
| TYPE | No. of Teeth | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK100B | 9 | 106 | 92.831 | 20 | 21 | 40 | ★70 | 50 | Ground Specification High-frequency Hardened Teeth | 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 |

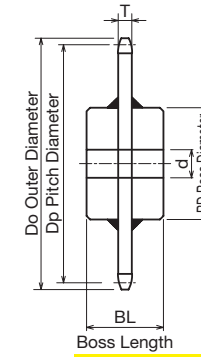


Use together with the KANA machine key.
Refer to P.334 to P.335

Standard Sprocket B-type/C-type



B-Type Welded Specification



C-Type Welded Specification

| Sprocket No. | | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|--------------|--------------|-----|---------|-----------------------|---------|---------|-----|-----|---|--|-----------|
| TYPE | No. of Teeth | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK100B | 32 | 341 | 323.923 | 26 | 27 | 80 | 117 | 56 | Ground Specification High-frequency Hardened Teeth | 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 | | | 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 |
| 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 |

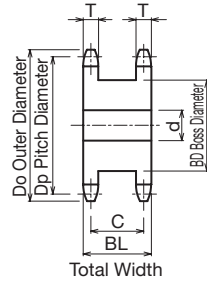
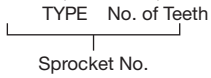


100SD

SD Single-Double Sprocket

Order Product Code

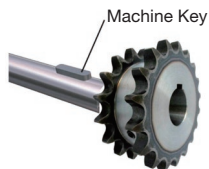
100SD 20



- 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 |

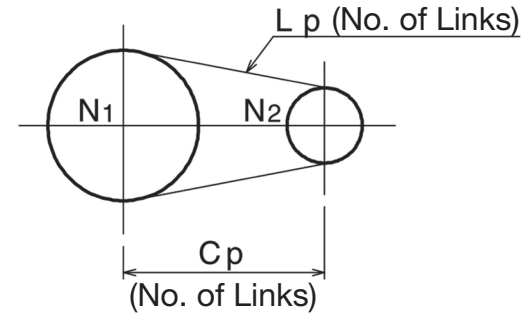


Use together with the KANA machine key.
Refer to P.334 to P.335

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)

$$Cp = \frac{1}{8} \left\{ 2Lp - N_1 - N_2 + \sqrt{(2Lp - N_1 - N_2)^2 - \frac{8}{9.86}(N_1 - N_2)^2} \right\}$$

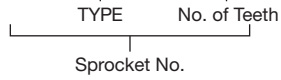
Caution Point!

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

Order Product Code

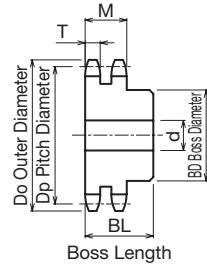
NK100-2B 15



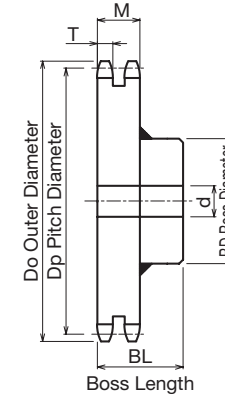
Ground Specification



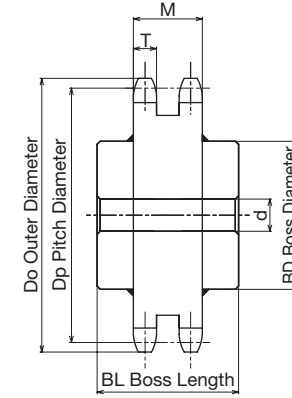
Welded Specification
(Black stain also mixed in)



2-Row B-Type
Ground Specification



2-Row B-Type
Welded Specification

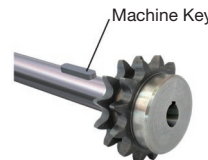


2-Row C-Type
Welded Specification

- 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 | | | BD | BL | Shape | Tooth Section | Weight kg |
|----------------------|--------------|---------|---------|-----------------------|---------|---------|-----|-------|----------------------|--|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK100-2B | 10 | 117 | 102.745 | 23 | 24 | 46 | 70 | 80 | Ground Specification | Carbon Structural Steel High-frequency Hardened Teeth | 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 | | | |

| Sprocket No. TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg | | |
|----------------------|--------------|-----|---------|-----------------------|---------|---------|-----|-----|----------------------|--|----------------------|--------------|-------|
| | | | | Prepared Hole | Minimum | Maximum | | | | | | | |
| NK100-2B | 25 | 270 | 253.325 | 33 | 34 | 95 | 137 | 90 | Ground Specification | Carbon Structural Steel High-frequency Hardened Teeth | 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 | 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 | Common Steel | 127.87 | | |

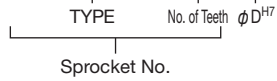


Use together with the KANA machine key.
Refer to P.334 to P.335

FBN120B

Order Product Code

FBN120B13D45



- 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

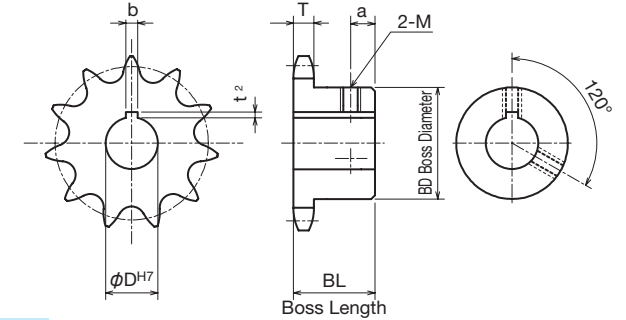
| TYPE | FBN120B | | | | | | | | | |
|--------------|--------------|-------------------|-------------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | M | Do | Dp | BD | BL | a | Weight kg |
| FBN120B13D45 | 13 | 45 | 14×3.8 | 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



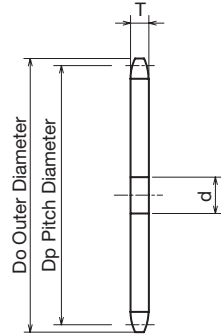
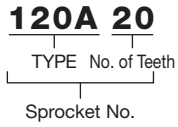
| TYPE | FBN120B | | | | | | | | | |
|--------------|--------------|-------------------|-------------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Teeth | φ D ^{H7} | Keyway b×t ² | M | Do | Dp | BD | BL | a | Weight kg |
| FBN120B16D50 | 16 | 50 | 14×3.8 | 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

Standard Sprocket A-type

Order Product Code



- 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

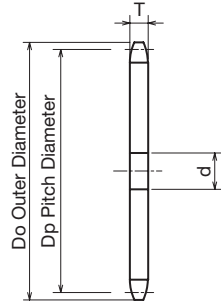
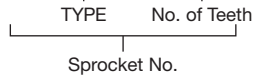
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 120A | 30 | 385 | 364.494 | 26 | 27 | 19.20 |
| | 31 | 398 | 376.600 | 30 | 31 | 20.40 |
| | 32 | 410 | 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



- 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

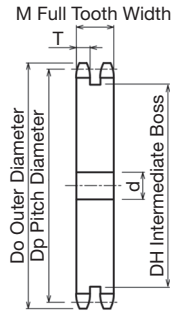
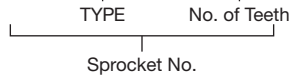
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|--------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| HG120A | 30H | 385 | 364.494 | 26 | 27 | 19.20 |
| | 32H | 410 | 388.708 | 30 | 31 | 21.80 |
| | 34H | 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



- 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

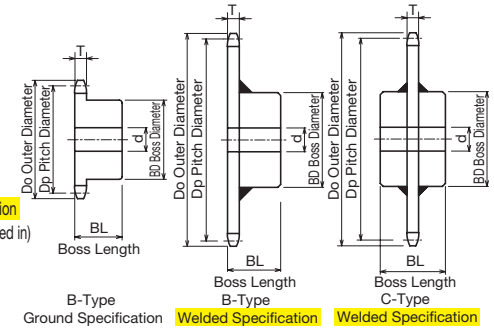
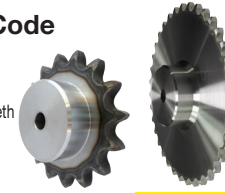
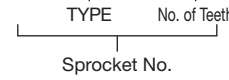
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | DH | M | Shape | Weight kg |
|----------|--------------|-----|---------|-----------------------|---------|-----|------|----------------------|-----------|
| | | | | Prepared Hole | Minimum | | | | |
| HG120-2A | 22H | 288 | 267.716 | 33 | 34 | 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



- Chain **No.120** (Black stain also mixed in)
- 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**

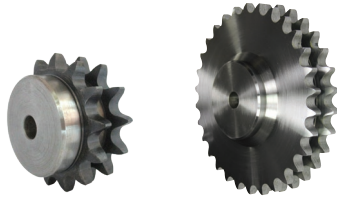
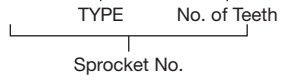
| Sprocket No. | TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|--------------|----------------------|----------------------|---------|---------|-----------------------|---------|---------|-----|-------|-------------------------------|-------------------------|-----------|
| | | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK120B | Ground Specification | 10 | 140 | 123.294 | 23 | 24 | 51 | 78 | 56 | High-frequency Hardened Teeth | Carbon Structural Steel | 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 | | | |
| | Welded Specification | 32 | 410 | 388.708 | 30 | 31 | 95 | 137 | 71 | 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 | |
| | NK120C | Welded Specification | 40 | 507 | 485.603 | 30 | 31 | 103 | 147 | 80 | Common Steel | 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 |
| 54 | | | 677 | 655.260 | 30 | 31 | 103 | 147 | 100 | 65.20 | | |
| 60 | | | 750 | 727.989 | 30 | 31 | 103 | 167 | 100 | 78.00 | | |

NK120-2B/NK120-2C

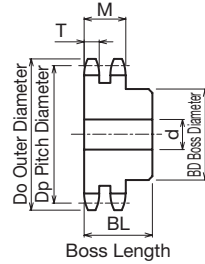
Standard Sprocket Two-row B-type/C-type

Order Product Code

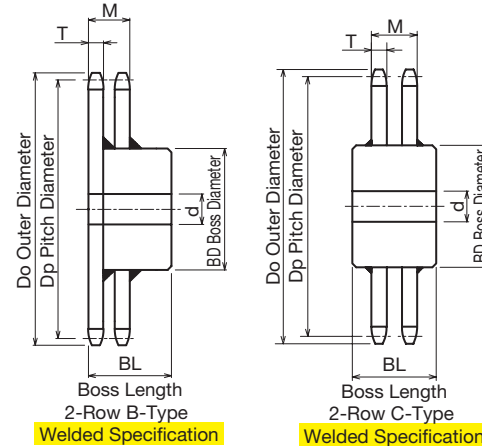
NK120-2B 15



Ground Specification **Welded Specification**
(Black stain also mixed in)



2-Row B-Type
Ground Specification

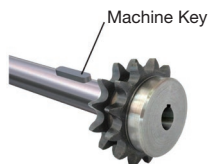


Boss Length
2-Row B-Type **Welded Specification**
Boss Length
2-Row C-Type **Welded Specification**

- 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. | | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|--------------|--------------|---------|---------|-----------------------|---------|---------|-----|-------|----------------------|--|-----------|
| TYPE | No. of Teeth | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK120-2B | 10 | 140 | 123.294 | 26 | 27 | 55 | 80 | 100 | Ground Specification | Carbon Structural Steel High-frequency Hardened Teeth | 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 | | | |

| Sprocket No. | | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Tooth Section | Weight kg |
|--------------|--------------|-----|---------|-----------------------|---------|---------|-----|-----|----------------------|---------------|-----------|
| TYPE | No. of Teeth | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK120-2B | 22 | 288 | 267.716 | 33 | 34 | 103 | 147 | 100 | Welded Specification | 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 | 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 |



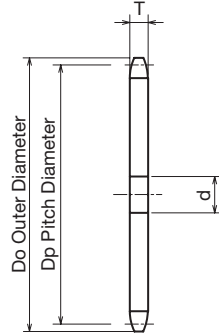
Use together with the KANA machine key.
Refer to P.334 to P.335

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

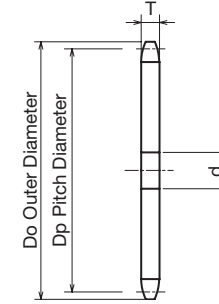
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 140A | 10 | 163 | 143.843 | 26 | 27 | 2.90 |
| | 11 | 178 | 157.774 | 26 | 27 | 3.60 |
| | 12 | 193 | 171.742 | 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

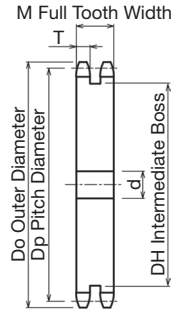
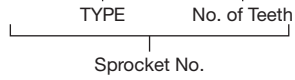
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|--------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| HG140A | 10H | 163 | 143.843 | 26 | 27 | 2.90 |
| | 11H | 178 | 157.774 | 26 | 27 | 3.60 |
| | 12H | 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



- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

- 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**

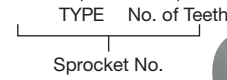
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | DH | M | Shape | Weight kg |
|-----------------|--------------|-----|---------|-----------------------|---------|---------|-----|------|----------------------|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | |
| HG140-2A | 15H | 236 | 213.793 | 38 | 39 | 66 | 164 | 71.6 | Ground Specification | 16.66 |
| | 16H | 250 | 227.843 | 38 | 39 | 70 | 178 | 71.6 | | 19.17 |
| | 18H | 279 | 255.977 | 38 | 39 | 80 | 207 | 71.6 | | 24.77 |
| | 20H | 307 | 284.145 | 38 | 39 | 95 | 235 | 71.6 | | 31.01 |
| | 22H | 336 | 312.336 | 38 | 39 | 103 | 264 | 71.6 | | 38.04 |
| | 24H | 364 | 340.545 | 38 | 39 | 110 | 292 | 71.6 | | 45.68 |
| | 25H | 379 | 354.655 | 38 | 39 | 118 | 307 | 71.6 | | 49.87 |
| | 28H | 421 | 397.001 | 38 | 39 | 137 | 349 | 71.6 | | 63.19 |
| | 30H | 450 | 425.243 | 38 | 39 | 147 | 378 | 71.6 | | 73.07 |

NK140B/NK140C

Standard Sprocket B-type/C-type

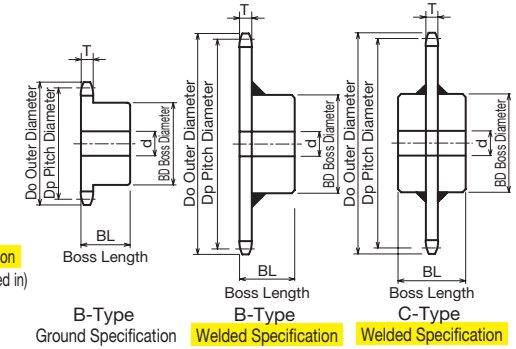
● Order Product Code

NK140B 20



Ground Specification **Welded Specification**
(Black stain also mixed in)

- 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**



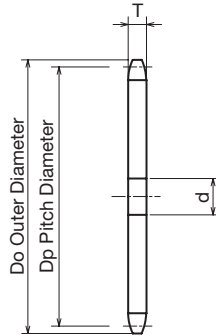
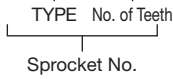
| Sprocket No. | TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Weight kg | Shape | Tooth Section |
|---------------|----------------------|--------------|-----|---------|-----------------------|---------|---------|-------|-----|-----------|--|---------------|
| | | | | | Prepared Hole | Minimum | Maximum | | | | | |
| NK140B | Ground Specification | 10 | 163 | 143.843 | 26 | 27 | 66 | 98 | 56 | 4.90 | Carbon Structural Steel High-frequency Hardened Teeth | |
| | | 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 | | 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 | Welded Specification | 45 | 662 | 637.217 | 30 | 31 | 118 | 167 | 100 | 68.00 | 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 | | |
| | | 55 | 805 | 780.000 | 35 | 36 | 118 | 167 | 100 | 100.00 | | |
| | | 60 | 875 | 849.320 | 35 | 36 | 118 | 167 | 112 | 119.30 | | |

160A

Standard Sprocket A-type

Order Product Code

160A 20



- 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

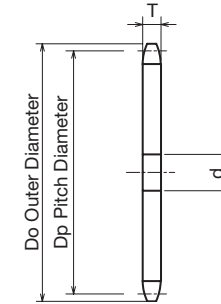
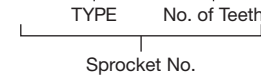
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|------|--------------|-------|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| 160A | 10 | 187 | 164.392 | 26 | 27 | 4.85 |
| | 11 | 204 | 180.313 | 26 | 27 | 5.85 |
| | 12 | 220 | 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



- 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

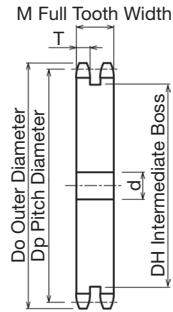
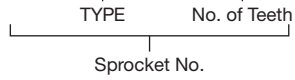
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|--------|--------------|-------|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| HG160A | 10H | 187 | 164.392 | 26 | 27 | 4.85 |
| | 11H | 204 | 180.313 | 26 | 27 | 5.85 |
| | 12H | 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



- 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

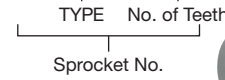
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | DH | M | Shape | Weight kg |
|----------|--------------|-----|---------|-----------------------|---------|---------|------|----------------------|-------|-----------|
| | | | | Prepared Hole | Minimum | Maximum | | | | |
| HG160-2A | 13H | 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

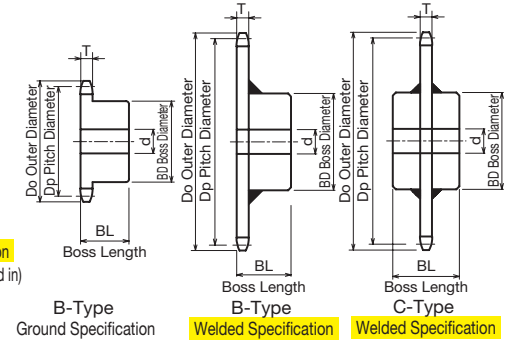
● Order Product Code

NK160B 20



Ground Specification Welded Specification
(Black stain also mixed in)

- 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



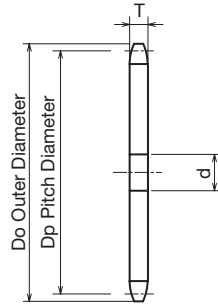
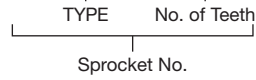
| Sprocket No. | TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Weight kg | Shape | Tooth Section | | |
|--------------|------|--------------|---------|---------|-----------------------|---------|---------|-----|-------|-----------|----------------------|--|----------------------|--------------|
| | | | | | Prepared Hole | Minimum | Maximum | | | | | | | |
| NK160B | | 10 | 187 | 164.392 | 26 | 27 | 70 | 105 | 63 | 6.80 | Ground Specification | Carbon Structural Steel 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 | 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 | | | | | |
| NK160C | | 35 | 595 | 566.716 | 35 | 36 | 118 | 167 | 100 | 66.90 | Welded Specification | Common Steel | | |
| | | 40 | 676 | 647.471 | 35 | 36 | 118 | 167 | 112 | 88.00 | | | | |
| | | 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



- 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

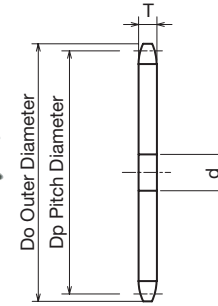
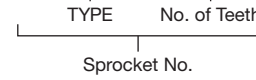
| TYPE | No. of Teeth | Do | Dp | Shaft Hole Diameter d | | Weight kg |
|--------|--------------|-----|---------|-----------------------|---------|-----------|
| | | | | Prepared Hole | Minimum | |
| HG180A | 12H | 248 | 220.811 | 35 | 36 | 9.90 |
| | 14H | 285 | 256.830 | 35 | 36 | 13.39 |
| | 15H | 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



- 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**

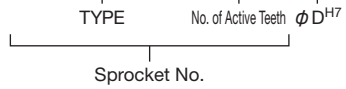
- m** Carbon Structural Steel
- h** High-frequency Hardened Teeth

| 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 | |

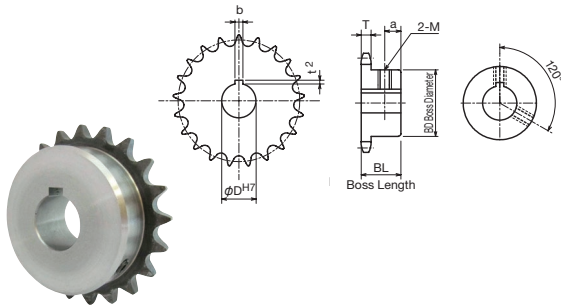
FBN2040B

FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

● Order Product Code
FBN2040B91/2D20



- 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 | | | | | | | | | | | |
|------|------------------|---------------------|---------------------|-------|-------------------------|---|-------|---------|----|----|---|-----------|
| | Product Code | No. of Active Teeth | Actual No. of Teeth | φ DH7 | Keyway b×t ² | 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 Carbon Structural Steel
h High-frequency Hardened Teeth

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

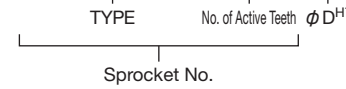


Use together with the KANA machine key. Refer to P.334 to P.335

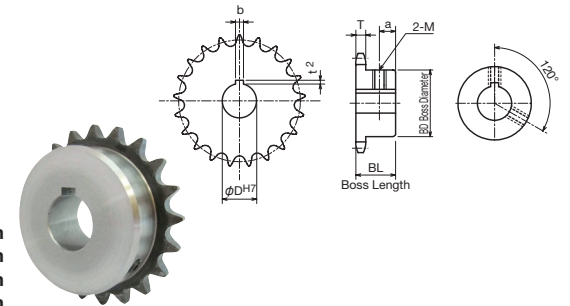
FBN2050B

FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

● Order Product Code
FBN2050B91/2D20



- 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 | | | | | | | | | | | |
|------|------------------|---------------------|---------------------|-------|-------------------------|---|-------|---------|----|----|---|-----------|
| | Product Code | No. of Active Teeth | Actual No. of Teeth | φ DH7 | Keyway b×t ² | 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 Carbon Structural Steel
h High-frequency Hardened Teeth

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

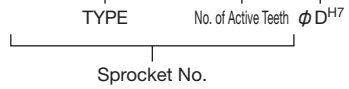


Use together with the KANA machine key. Refer to P.334 to P.335

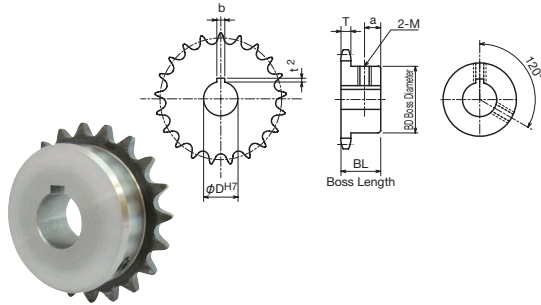
FBN2060B

FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

● Order Product Code
FBN2060B91/2D25



- 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 | FBN2060B | | | | | | | | | | |
|------------------|---------------------|---------------------|-------|-------------------------|----|-------|---------|----|----|----|-----------|
| Product Code | No. of Active Teeth | Actual No. of Teeth | φ DH7 | Keyway b×t ² | 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.

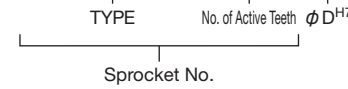


Use together with the KANA machine key. Refer to P.334 to P.335

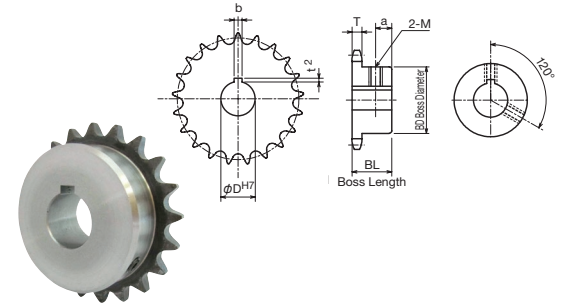
FBN2080B

FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

● Order Product Code
FBN2080B91/2D30



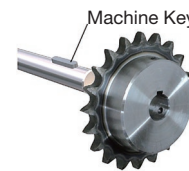
- Chain No. C2080H
- Chain Pitch (P) 50.80 mm
- Roller Link Inner Width (W) 15.88 mm
- Roller Outside Diameter (Dr) 15.88 mm
- Tooth Width (T) 14.6 mm



m Carbon Structural Steel
h High-frequency Hardened Teeth ☆ Non-hardened

| TYPE | FBN2080B | | | | | | | | | | |
|------------------|---------------------|---------------------|-------|-------------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Active Teeth | Actual No. of Teeth | φ DH7 | Keyway b×t ² | 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.

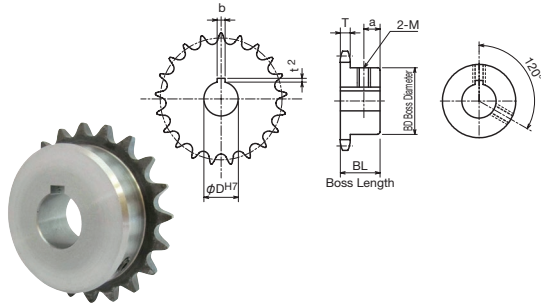
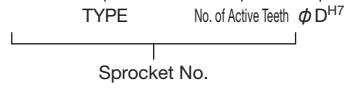


Use together with the KANA machine key. Refer to P.334 to P.335

FBN2100B

FBN Double Pitch Sprocket for S Rollers New JIS Keyway Specification

Order Product Code FBN2100B91/2D35



- ChainNo.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 | | | | | | | | | | |
|-----------------|---------------------|---------------------|-------|-------------------------|----|-------|---------|-----|----|----|-----------|
| Product Code | No. of Active Teeth | Actual No. of Teeth | φ DH7 | Keyway b×t ² | 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 |

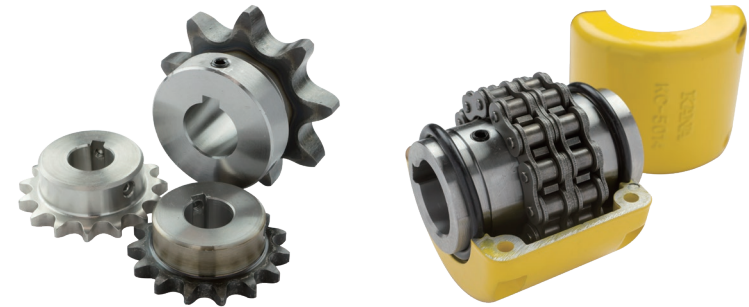
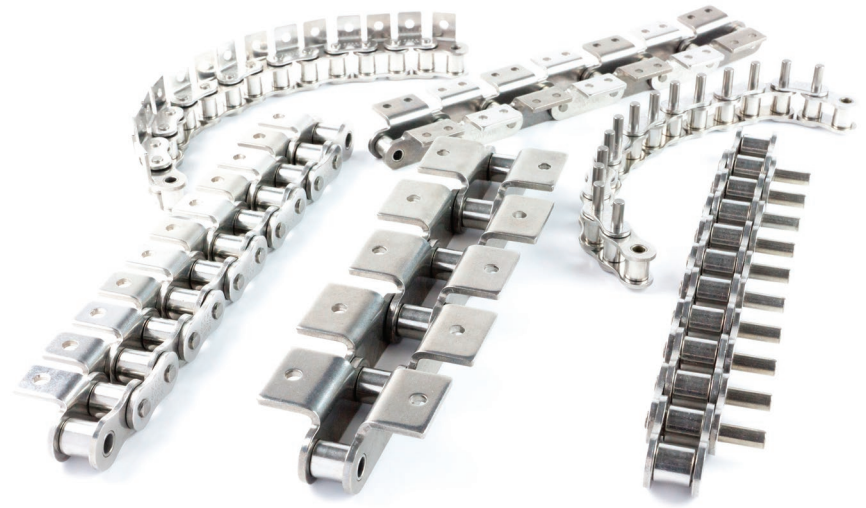
m Carbon Structural Steel
h High-frequency Hardened Teeth

*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

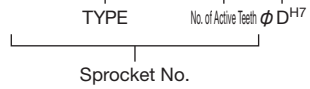
MEMO



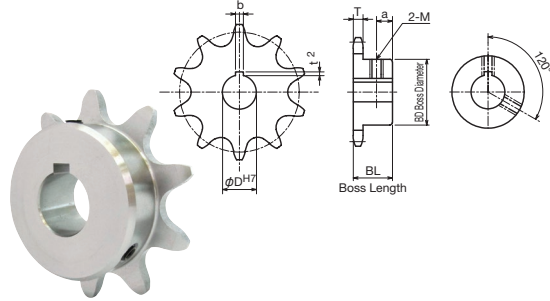
FBN2042B

FBN Double Pitch Sprocket for R Rollers New JIS Keyway Specification

● Order Product Code
FBN2042B10D25



- ChainNo.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



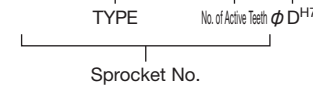
| TYPE | | FBN2042B | | | | | | | | | |
|---------------|---------------------|---------------------------|-------------------------|---|-------|---------|----|----|---|-----------|--|
| | | ■ Carbon Structural Steel | | | | | | | | | |
| Product Code | No. of Active Teeth | φ D ^{H7} | Keyway b×t ² | 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.

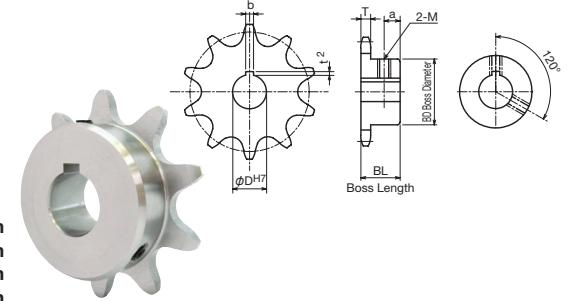
FBN2052B

FBN Double Pitch Sprocket for R Rollers New JIS Keyway Specification

● Order Product Code
FBN2052B10D25



- ChainNo.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



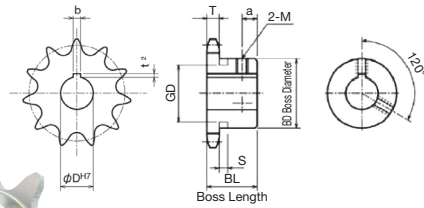
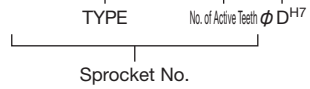
| TYPE | | FBN2052B | | | | | | | | | |
|---------------|---------------------|---------------------------|-------------------------|---|-------|---------|----|----|----|-----------|--|
| | | ■ Carbon Structural Steel | | | | | | | | | |
| Product Code | No. of Active Teeth | φ D ^{H7} | Keyway b×t ² | 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.

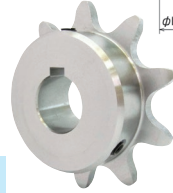
FBN2062B

FBN Double Pitch Sprocket for R Rollers New JIS Keyway Specification

● Order Product Code
FBN2062B10D30



- 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 Carbon Structural Steel

| TYPE | FBN2062B | | | | | | | | | | |
|---------------|---------------------|-------------------|-------------------------|----|-------|---------|-----|----|----|-----------|--|
| Product Code | No. of Active Teeth | φ D ^{H7} | Keyway b×t ² | 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.

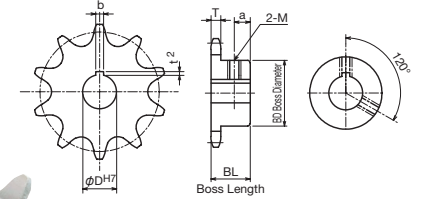
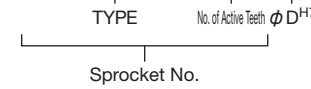
□ Sprockets with a ★ symbol for BD have a channel in the boss exterior.

| No. of Teeth | S | GD |
|--------------|----|----|
| 7 | 10 | 56 |

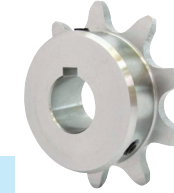
FBN2082B

FBN Double Pitch Sprocket for R Rollers New JIS Keyway Specification

● Order Product Code
FBN2082B11D30



- 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



m Carbon Structural Steel

| TYPE | FBN2082B | | | | | | | | | | |
|---------------|---------------------|-------------------|-------------------------|----|-------|---------|-----|----|----|-----------|--|
| Product Code | No. of Active Teeth | φ D ^{H7} | Keyway b×t ² | 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 | |

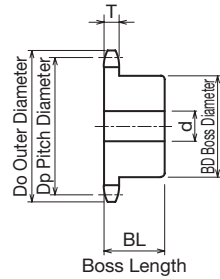
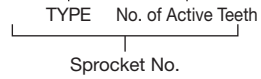
*M is a set screw. * The seal set screws differ from the usual due to the boss type.

2040B

Standard Double Pitch Sprocket for S Rollers B-type

Order Product Code

2040B 6 1/2



- 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 |



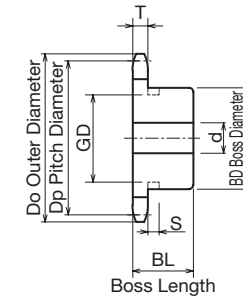
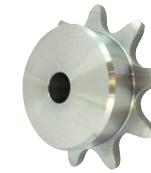
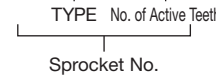
Use together with the KANA machine key.
Refer to P.334 to P.335

2042B

Standard Double Pitch Sprocket for R Rollers B-type

Order Product Code

2042B 20



- 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 | 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.

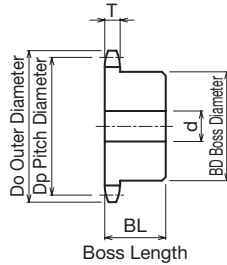
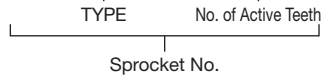
| No. of Teeth | S | GD |
|--------------|---|----|
| 7 | | 35 |
| 8 | 6 | 43 |

SUS2040B

SUS Standard Stainless Steel Double Pitch Sprocket for S Rollers B-type

Order Product Code

SUS2040B 9 1/2



- 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

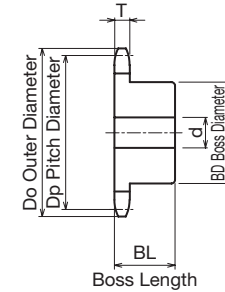
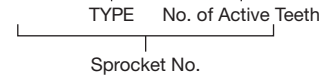
| TYPE | No. of Active Teeth | Actual No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Weight kg |
|----------|---------------------|---------------------|-----|---------|-----------------------|---------|---------|----|----|----------------------|-----------|
| | | | | | Prepared 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 |

SUS2042B

SUS Standard Stainless Steel Double Pitch Sprocket for R Rollers B-type

Order Product Code

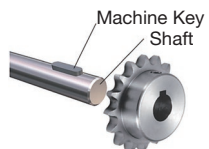
SUS2042B 12



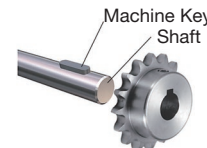
- Chain No. C2042
- Chain Pitch (P) 25.4 mm
- Roller Link Inner Width (W) 7.95 mm
- Roller Outside Diameter (Dr) 15.88 mm
- Tooth Width (T) 7.2 mm

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



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

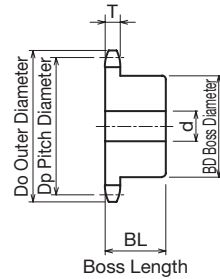
2050B

Standard Double Pitch Sprocket for S Rollers B-type

Order Product Code

2050B 6 1/2

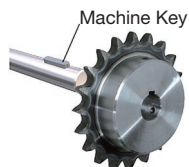
TYPE No. of Active Teeth
Sprocket No.



- 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

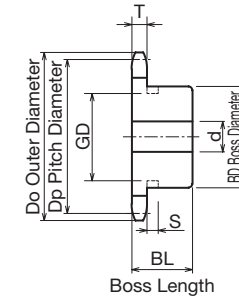
2052B

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 | 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.

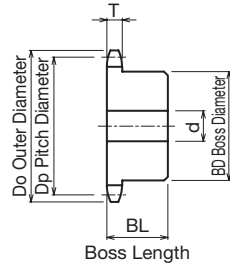
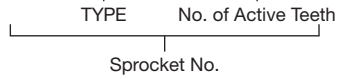
| No. of Teeth | S | GD |
|--------------|---|----|
| 7 | | 45 |
| 8 | 7 | 56 |

SUS2050B

SUS Standard Stainless Steel Double Pitch Sprocket for S Rollers B-type

Order Product Code

SUS2050B 9 1/2



- 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

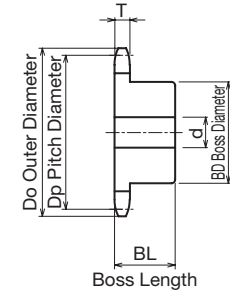
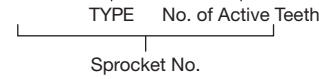
| TYPE | No. of Active Teeth | Actual No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Weight kg |
|----------|---------------------|---------------------|-----|---------|-----------------------|---------|---------|----|----|----------------------|-----------|
| | | | | | Prepared 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 |

SUS2052B

SUS Standard Stainless Steel Double Pitch Sprocket for R Rollers B-type

Order Product Code

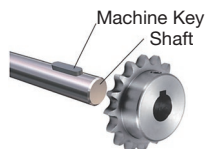
SUS2052B 12



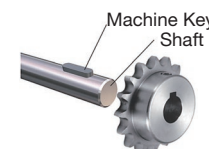
- Chain No. C2052
- Chain Pitch (P) 31.75 mm
- Roller Link Inner Width (W) 9.53 mm
- Roller Outside Diameter (Dr) 19.05 mm
- Tooth Width (T) 8.7 mm

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



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

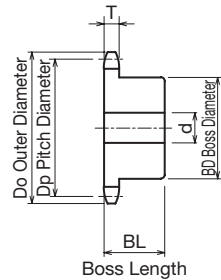
2060B

Standard Double Pitch Sprocket for S Rollers B-type

Order Product Code

2060B 6 1/2

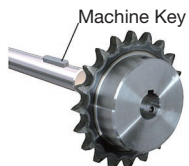
TYPE No. of Active Teeth
Sprocket No.



- 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

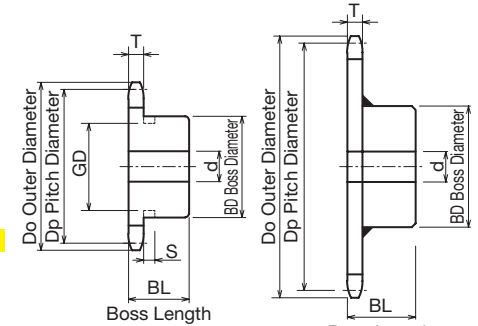
Order Product Code

2062B 20

TYPE No. of Active Teeth
Sprocket No.



Ground Specification **Welded Specification**



- 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

Ground Specification **Welded Specification**

| 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.

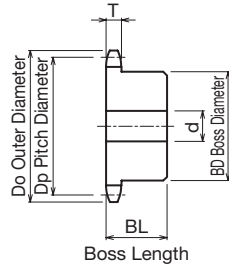
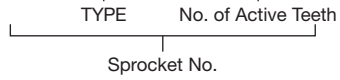
| No. of Teeth | S | GD |
|--------------|----|----|
| 7 | | 56 |
| 8 | 10 | 68 |

SUS2060B

SUS Standard Stainless Steel Double Pitch Sprocket for S Rollers B-type

Order Product Code

SUS2060B 9 1/2



- 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

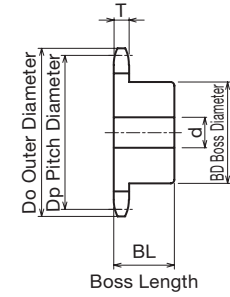
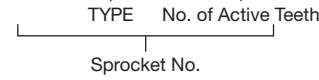
| TYPE | No. of Active Teeth | Actual No. of Teeth | Do | Dp | Shaft Hole Diameter d | | | BD | BL | Shape | Weight kg |
|----------|---------------------|---------------------|-----|---------|-----------------------|---------|---------|----|----|----------------------|-----------|
| | | | | | Prepared 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 |

SUS2062B

SUS Standard Stainless Steel Double Pitch Sprocket for R Rollers B-type

Order Product Code

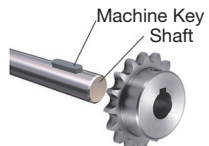
SUS2062B 12



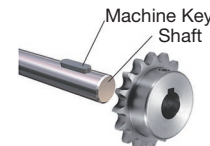
- Chain No. C2062H
- Chain Pitch (P) 38.10 mm
- Roller Link Inner Width (W) 12.70 mm
- Roller Outside Diameter (Dr) 22.23 mm
- Tooth Width (T) 11.7 mm

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



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

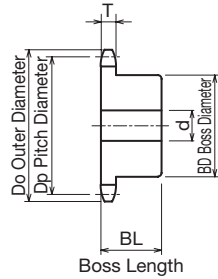
2080B

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 | Carbon Structural Steel 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 | Carbon Structural Steel | 4.88 |
| | 12 | 24 | 208 | 196.276 | 26 | 27 | 75 | 107 | 45 | Ground Specification | Carbon Structural Steel | 5.30 |
| | 12 1/2 | 25 | 216 | 204.270 | 26 | 27 | 75 | 107 | 45 | Ground Specification | Carbon Structural Steel | 5.43 |

2082B

Standard Double Pitch Sprocket for R Rollers B-type

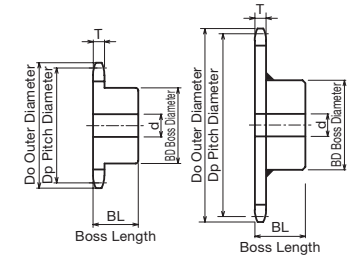
Order Product Code

2082B 20

TYPE No. of Active Teeth
Sprocket No.



Ground Specification **Welded Specification**



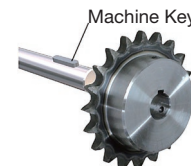
Ground Specification **Welded Specification**

- 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 | 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 | 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



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

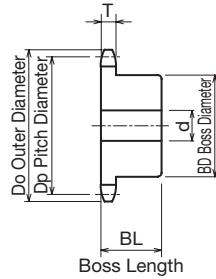
2100B

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 | Carbon Structural Steel 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 | Carbon Structural Steel | 8.63 |
| 12 1/2 | 25 | 270 | 255.338 | 26 | 27 | 80 | 117 | 56 | Ground Specification | Carbon Structural Steel | 9.65 | |



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

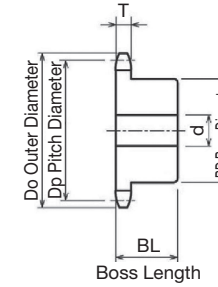
2102B

Standard Double Pitch Sprocket for R Rollers B-type

Order Product Code

2102B 11

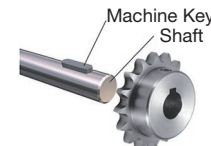
TYPE No. of Active Teeth
Sprocket No.



- 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

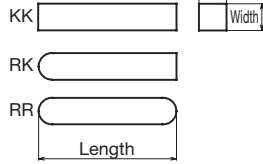
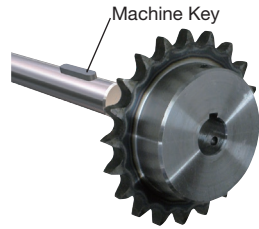
Standard Machine Keys

Order Product Code

KMH 3×3×10 RK



Machine Key No.



KANA Standard Machine Key ensures regularly stabilized precision thanks to the use of high-precision cold-drawn materials.

| Shape | m Material |
|------------------|------------|
| Both ends square | KK |
| One end round | RK |
| Both ends round | RR |

Carbon Structural Steel

• KMH New JIS B1301 (h9) <Carbon Structural Steel> (mm)

| Part No. | Width × Height b×h | Length L | | | | | | | | | | Shape |
|----------|-----------------------|--|----|----|----|----|----|----|----|----|----|----------------|
| | | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 22 | 24 | |
| KMH | 2×2 | Contact us for inquiries or to place orders. | | | | | | | | | | KK RK RR |
| | 3×3 | | | | | | | | | | | |
| | 4×4 | | | | | | | | | | | |
| | 5×5 | | | | | | | | | | | |
| | 6×6 | | | | | | | | | | | |
| | 7×7 | | | | | | | | | | | |
| | 8×7 | | | | | | | | | | | |
| 10×8 | | | | | | | | | | | | |
| 12×8 | | | | | | | | | | | | |

| Part No. | Width × Height b×h | Length L | | | | | | | | | | Shape |
|----------|-----------------------|--|----|----|----|----|----|----|----|----|----|----------------|
| | | 28 | 30 | 32 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | |
| KMH | 3×3 | Contact us for inquiries or to place orders. | | | | | | | | | | KK RK RR |
| | 4×4 | | | | | | | | | | | |
| | 5×5 | | | | | | | | | | | |
| | 6×6 | | | | | | | | | | | |
| | 7×7 | | | | | | | | | | | |
| | 8×7 | | | | | | | | | | | |
| | 10×8 | | | | | | | | | | | |
| 12×8 | | | | | | | | | | | | |
| 14×9 | | | | | | | | | | | | |

| Part No. | Width × Height b×h | Length L | | | | Shape |
|----------|-----------------------|--|----|----|----|----------------|
| | | 75 | 80 | 85 | 90 | |
| KMH | 8×7 | Contact us for inquiries or to place orders. | | | | KK RK RR |
| | 10×8 | | | | | |
| | 12×8 | | | | | |
| | 14×9 | | | | | |

We also create machine keys for special order machines.

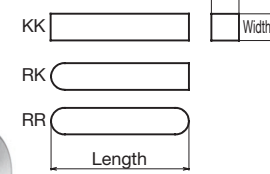
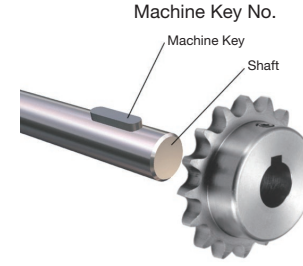


SUS Machine Keys

Standard Stainless Machine Keys

Order Product Code

KMHS 3×3×10 RK



| Shape | m Material |
|------------------|------------|
| Both ends square | KK |
| One end round | RK |
| Both ends round | RR |

SUS316

• KMHS New JIS B1301(h9) <SUS316> (mm)

| Part No. | Width × Height b×h | Length L | | | | | | | | | | Shape |
|----------|-----------------------|--|----|----|----|----|----|----|----|----|----|----------------|
| | | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 22 | 24 | |
| KMHS | 2×2 | Contact us for inquiries or to place orders. | | | | | | | | | | KK RK RR |
| | 3×3 | | | | | | | | | | | |
| | 4×4 | | | | | | | | | | | |
| | 5×5 | | | | | | | | | | | |
| | 6×6 | | | | | | | | | | | |
| | 7×7 | | | | | | | | | | | |
| | 8×7 | | | | | | | | | | | |
| 10×8 | | | | | | | | | | | | |
| 12×8 | | | | | | | | | | | | |

| Part No. | Width × Height b×h | Length L | | | | | | | | | | Shape |
|----------|-----------------------|--|----|----|----|----|----|----|----|----|----|----------------|
| | | 28 | 30 | 32 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | |
| KMHS | 3×3 | Contact us for inquiries or to place orders. | | | | | | | | | | KK RK RR |
| | 4×4 | | | | | | | | | | | |
| | 5×5 | | | | | | | | | | | |
| | 6×6 | | | | | | | | | | | |
| | 7×7 | | | | | | | | | | | |
| | 8×7 | | | | | | | | | | | |
| | 10×8 | | | | | | | | | | | |
| 12×8 | | | | | | | | | | | | |

| Part No. | Width × Height b×h | Length L | | | | Shape |
|----------|-----------------------|--|----|----|----|----------------|
| | | 75 | 80 | 85 | 90 | |
| KMHS | 8×7 | Contact us for inquiries or to place orders. | | | | KK RK RR |
| | 10×8 | | | | | |
| | 12×8 | | | | | |

We also create machine keys for special order machines.

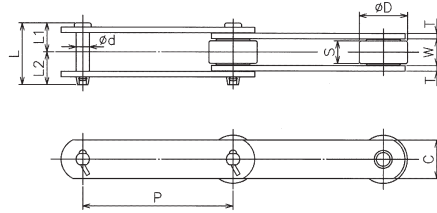


* For stainless materials, SUS316 is used, with enhanced corrosion resistance.

Conveyor Chains for R Rollers

● Order Product Code
KTM5075-R 100-link

Chain No. Chain Length



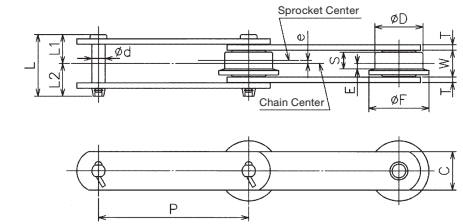
Regular Series

| 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 | | | | | | | | | | 2.7 | |
| KTMS3100-R | 100 | | | | | | | | | | 2.4 | 29.4 |
| KTMS3125-R | 125 | 31.8 | 15.5 | 16.1 | 22 | 3.2 | 7.94 | 36.4 | 17.1 | 19.3 | 2.2 | {3,000} |
| KTMS3150-R | 150 | | | | | | | | | | 2.0 | |
| KTM5075-R | 75 | | | | | | | | | | 5.6 | |
| KTM5100-R | 100 | | | | | | | | | | 5.0 | 68.6 |
| KTM5125-R | 125 | 40 | 19 | 22.2 | 32 | 4.5 | 11.11 | 51 | 24 | 27 | 4.5 | {7,000} |
| KTM5150-R | 150 | | | | | | | | | | 4.1 | |
| KTM7100-R | 100 | | | | | | | | | | 6.8 | |
| KTM7125-R | 125 | 45 | 21.5 | 25 | 32 | 6.0 | 12.70 | 61.5 | 29 | 32.5 | 6.1 | 84.3 |
| KTM7150-R | 150 | | | | | | | | | | 5.5 | {8,600} |
| KTM8125-R | 125 | 44.45 | 23.5 | 27 | 28.6 | 6.3 (6.0) | 11.11 | 63 | 30 | 33 | 5.9 | 83.3 |
| KTM8150-R | 150 | | | | | | | | | | 5.6 | {8,500} |
| KTM10100-R | 100 | | | | | | | | | | 10.0 | |
| KTM10125-R | 125 | | | | | | | | | | 8.7 | 112.7 |
| KTM10150-R | 150 | 50 | 26.5 | 30 | 38 | 6.3 (6.0) | 14.29 | 68 | 32 | 36 | 7.5 | {11,500} |
| KTM10200-R | 200 | | | | | | | | | | 6.8 | |
| KTM12200-R | 200 | | | | | | | | | | 11.6 | 186.2 |
| KTM12250-R | 250 | 65 | 32 | 36.5 | 45 | 7.9 (8.0) | 15.88 | 85.5 | 39.5 | 46 | 10.4 | {19,000} |
| KTM17200-R | 200 | | | | | | | | | | 19.7 | |
| KTM17250-R | 250 | 80 | 45.8 | 50.8 | 50.8 | 9.5 (9.0) | 19.05 | 110.5 | 51 | 59.5 | 17.2 | 245.0 |
| KTM17300-R | 300 | | | | | | | | | | 15.8 | {25,000} |
| KTM26200-R | 200 | | | | | | | | | | 28.4 | 279.3 |
| KTM26250-R | 250 | 100 | 50 | 56.6 | 63.5 | 9.5 | 22.23 | 116 | 54 | 62 | 26.2 | {28,500} |
| KTM36300-R | 300 | | | | | | | | | | 40.4 | 475.3 |
| KTM36450-R | 450 | 125 | 56 | 66 | 76.2 | 12.7 | 25.40 | 141 | 65.5 | 75.5 | 31.8 | {48,500} |

Conveyor Chains for F Rollers

● Order Product Code
KTM5075-F 100-link

Chain No. Chain Length



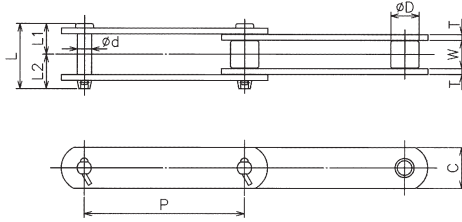
Regular Series

| 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 | Cove Difference e | | Width C | Thickness T | Diameter d | Length L | Dimension L1 | Dimension L2 | | |
| KTMS3075-F | 75 | | | | | | | | | | | | 2.8 | | |
| KTMS3100-F | 100 | | | | | | | | | | | | 2.5 | 29.4 | |
| KTMS3125-F | 125 | 31.8 | 42 | 12 | 4.3 | 1.8 | 16.1 | 22 | 3.2 | 7.94 | 36.4 | 17.1 | 19.3 | 2.3 | {3,000} |
| KTMS3150-F | 150 | | | | | | | | | | | | | 2.1 | |
| KTM5075-F | 75 | | | | | | | | | | | | | 5.8 | |
| KTM5100-F | 100 | | | | | | | | | | | | | 5.2 | 68.6 |
| KTM5125-F | 125 | 40 | 50 | 14 | 4.5 | 2.5 | 22.2 | 32 | 4.5 | 11.11 | 51 | 24 | 27 | 4.7 | {7,000} |
| KTM5150-F | 150 | | | | | | | | | | | | | 4.3 | |
| KTM7100-F | 100 | | | | | | | | | | | | | 7.2 | |
| KTM7125-F | 125 | 45 | 60 | 16 | 5 | 3 | 25 | 32 | 6.0 | 12.70 | 61.5 | 29 | 32.5 | 6.5 | 84.3 |
| KTM7150-F | 150 | | | | | | | | | | | | | 5.8 | {8,600} |
| 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 |
| KTM8150-F | 150 | | | | | | | | | | | | | 5.8 | {8,500} |
| KTM10100-F | 100 | | | | | | | | | | | | | 10.2 | |
| KTM10125-F | 125 | | | | | | | | | | | | | 8.9 | 112.7 |
| KTM10150-F | 150 | 50 | 65 | 20 | 6.5 | 3.5 | 30 | 38 | 6.3 (6.0) | 14.29 | 68 | 32 | 36 | 7.7 | {11,500} |
| KTM10200-F | 200 | | | | | | | | | | | | | 7.0 | |
| KTM12200-F | 200 | | | | | | | | | | | | | 12.2 | 186.2 |
| KTM12250-F | 250 | 65 | 85 | 24 | 8 | 4 | 36.5 | 45 | 7.9 (8.0) | 15.88 | 85.5 | 39.5 | 46 | 10.9 | {19,000} |
| KTM17200-F | 200 | | | | | | | | | | | | | 20.7 | |
| KTM17250-F | 250 | 80 | 105 | 34 | 12 | 5 | 50.8 | 50.8 | 9.5 (9.0) | 19.05 | 110.5 | 51 | 59.5 | 18.2 | 245.0 |
| KTM17300-F | 300 | | | | | | | | | | | | | 16.6 | {25,000} |
| KTM26200-F | 200 | | | | | | | | | | | | | 30.4 | 279.3 |
| KTM26250-F | 250 | 100 | 130 | 38 | 13 | 6 | 56.6 | 63.5 | 9.5 | 22.23 | 116 | 54 | 62 | 27.8 | {28,500} |
| KTM36300-F | 300 | | | | | | | | | | | | | 42.0 | 475.3 |
| KTM36450-F | 450 | 125 | 160 | 42 | 14 | 7 | 66 | 76.2 | 12.7 | 25.40 | 141 | 65.5 | 75.5 | 33.3 | {48,500} |

Conveyor Chains for S (M) Rollers

Order Product Code
KTM5075-S 100-link

Chain No. Chain Length



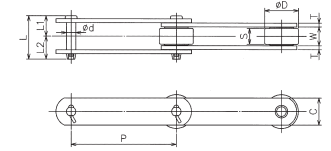
Regular Series

| 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 | | | | | | | | | | | | |
| KTMS3100-S | 100 | 15.9 | - | 16.1 | 22 | 3.2 | 7.94 | 36.4 | 17.1 | 19.3 | 1.8 | - | 29.4 |
| KTMS3125-S | 125 | | | | | | | | | | 1.4 | - | {3,000} |
| KTMS3150-S | 150 | | | | | | | | | | 1.2 | - | |
| KTM5075-S | 75 | | | | | | | | | | 4.2 | - | |
| KTM5100-S | 100 | 22.2 | - | 22.2 | 32 | 4.5 | 11.11 | 51 | 24 | 27 | 3.8 | - | 68.6 |
| KTM5125-S | 125 | | | | | | | | | | 3.4 | - | {7,000} |
| KTM5150-S | 150 | | | | | | | | | | 3.3 | - | |
| KTM7100-S | 100 | | | | | | | | | | 6.0 | - | |
| KTM7125-S | 125 | 27 | - | 25 | 32 | 6.0 | 12.70 | 61.5 | 29 | 32.5 | 5.5 | - | 84.3 |
| KTM7150-S | 150 | | | | | | | | | | 5.0 | - | {8,600} |
| KTM8125-S | 125 | 22.2 | - | 27 | 28.6 | 6.3 (6.0) | 11.11 | 63 | 30 | 33 | 4.2 | - | 83.3 |
| KTM8150-S | 150 | | | | | | | | | | 4.0 | - | {8,500} |
| KTM10100-S/M | 100 | | | | | | | | | | 7.0 | 7.4 | |
| KTM10125-S/M | 125 | 30 | 31.75 | 30 | 38 | 6.3 (6.0) | 14.29 | 68 | 32 | 36 | 6.3 | 6.7 | 112.7 |
| KTM10150-S/M | 150 | | | | | | | | | | 5.9 | 6.3 | {11,500} |
| 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 |
| KTM12250-S/M | 250 | | | | | | | | | | 7.8 | 8.0 | {19,000} |
| KTM17200-S/M | 200 | | | | | | | | | | 12.0 | 13.0 | |
| KTM17250-S/M | 250 | 40.08 | 44.45 | 50.8 | 50.8 | 9.5 (9.0) | 19.05 | 110.5 | 51 | 59.5 | 11.1 | 12.2 | 245.0 |
| KTM17300-S/M | 300 | | | | | | | | | | 10.5 | 11.5 | {25,000} |
| 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 |
| KTM26250-S/M | 250 | | | | | | | | | | 14.7 | 16.0 | {28,500} |
| 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 |
| KTM36450-S/M | 450 | | | | | | | | | | 20.2 | 21.0 | {48,500} |

Inch-Pitch Conveyor Chains

Order Product Code
KTE3400R 100-Link

Chain No. Chain Length

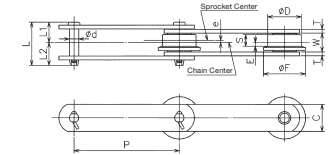


Regular Series

| 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 | S | |
| 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 |
| KTE5400 | 101.60 | R | 44.45 | 23.5 | 27 | 28.6 | 6.3 (6.0) | 11.11 | 63 | 30 | 33 | 6.7 | 83.3 |
| KTE5600 | 152.40 | R | 50.8 | 26.5 | 30 | 38 | 6.3 (6.0) | 11.11 | 66 | 31.5 | 34.5 | 7.8 | {8,500} |
| 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 |
| KTE12600 | 152.40 | R | 57.2 | 31.5 | 36.5 | 45 | 7.9 (8.0) | 15.88 | 85.5 | 39.5 | 46 | 12.1 | 166.2 |
| 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

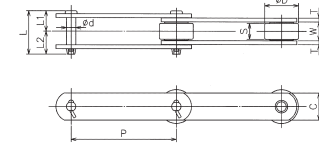


Regular Series

| 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 | | S |
| 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 |
| 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 |
| 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 | {8,500} |
| 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 |
| 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 | 166.2 |
| 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

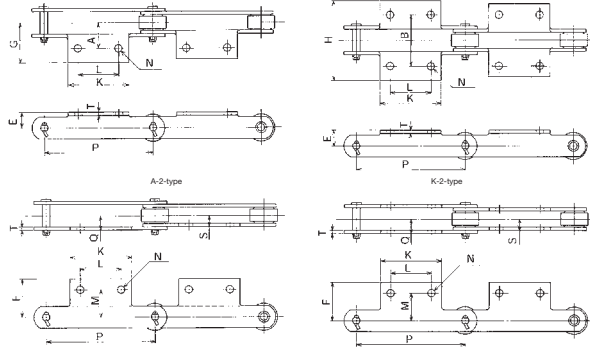
| Chain No. | Pitch P | Roller Shape | Roller | | Inner Link Inner Width W | Plate | | Pin | | | Approx. Mass (kg/m) | | Average Tensile Strength kN(kgf) | |
|--------------|---------|--------------|----------|----------|--------------------------|---------|-------------|------------|----------|--------------|---------------------|------|----------------------------------|----------|
| | | | 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 |
| KTE5261-S | 66.27 | S | 22.2 | - | 27 | 28.6 | 6.3 (6.0) | 11.11 | 63 | 30 | 33 | 5.6 | - | {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 |
| KTE9307-S | 78.11 | S | 31.75 | - | 36.5 | 38 | 7.9 (8.0) | 14.29 | 81.5 | 39 | 42.5 | 10.3 | - | {10,000} |
| 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 | 117.6 |
| 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 | {12,000} |
| 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 | 137.2 |
| | | | | | | | | | | | | | | 166.2 |
| | | | | | | | | | | | | | | {19,000} |
| | | | | | | | | | | | | | | 245 |
| | | | | | | | | | | | | | | {25,000} |

Conveyor Chains with Attachment

Order Product Code

KTM5075 R/F/S 2L A2 100-Link

Chain No. Roller Type Attachment Type Chain Length
Attachment Mounting Interval



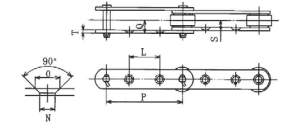
| Chain No. | Pitch P | Plate T | A-2-type Dimensions | | | | | | K-2-type Dimensions | | SA-2, SK-2-type Dimensions | | | | Attachment Applied Load A-2(Kg)/K-2(Kg) | |
|------------------|---------|---------|---------------------|----|-----|----|----|-------|---------------------|-------|----------------------------|-------|--------|--------|--|------|
| | | | K | N | L | A | E | G | (2A)B | (2G)H | M | F | S | Q | | |
| KTMS3075-R/F/S | 75 | | 55 | | 30 | | | | | | | | | 0.05 | 0.10 | |
| KTMS3100-R/F/S | 100 | 3.2 | 65 | 10 | 40 | 30 | 20 | 46 | 60 | 92 | 33 | 47 | 11.3 | 14.9 | 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 | | 58 | | 35 | | | | | | | | | 0.07 | 0.14 | |
| KTM5100-R/F/S | 100 | 4.5 | 65 | 10 | 40 | 35 | 22 | 56.5 | 70 | 113 | 40 | 54 | 15.6 | 20.5 | 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 | | 70 | | 40 | | | | | | | | | 0.20 | 0.40 | |
| KTM7125-R/F/S | 125 | | 80 | | 50 | | | | | | | | | 0.22 | 0.44 | |
| KTM7150-R/F/S | 150 | 6.0 | 90 | 12 | 60 | 40 | 25 | 63 | 80 | 126 | 45 | 59 | 18.5 | 24.9 | 0.25 | 0.50 |
| KTM7175-R/F/S | 175 | | 100 | | 70 | | | | | | | | | 0.28 | 0.56 | |
| KTM8125-R/F/S | 125 | 6.3 | 80 | 12 | 50 | 50 | 28 | 74 | 100 | 148 | 46.1 | 70.7 | 19.8 | 26.5 | 0.20 | 0.40 |
| KTM8150-R/F/S | 150 | (6.0) | 90 | | 60 | | | | | | | | (19.5) | (26.2) | 0.24 | 0.48 |
| KTM10100-R/F/S/M | 100 | | 70 | | 40 | | | | | | | | | 0.18 | 0.36 | |
| KTM10125-R/F/S/M | 125 | 6.3 | 80 | | 50 | 50 | 28 | 74 | 100 | 148 | 50 | 69 | 21.3 | 28.1 | 0.23 | 0.46 |
| KTM10150-R/F/S/M | 150 | (6.0) | 90 | 12 | 60 | 50 | 28 | 74 | 100 | 148 | 50 | 69 | (21.0) | (27.8) | 0.28 | 0.56 |
| KTM10200-R/F/S/M | 200 | | 120 | | 80 | | | | | | | | | 0.37 | 0.74 | |
| KTM12200-R/F/S/M | 200 | 7.9 | 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 | (8.0) | 170 | | 125 | | | | | | | | | 0.58 | 1.16 | |
| KTM17200-R/F/S/M | 200 | | 120 | | 80 | | | | | | | | | 0.80 | 1.60 | |
| KTM17250-R/F/S/M | 250 | 9.5 | 170 | 15 | 125 | 75 | 45 | 108 | 150 | 216 | 70 | 101.6 | 34.9 | 45.2 | 1.11 | 2.22 |
| KTM17300-R/F/S/M | 300 | | 220 | | 180 | | | | | | | | | 1.49 | 2.98 | |
| KTM26200-R/F/S/M | 200 | | 120 | 15 | 80 | 80 | 55 | 111.5 | 160 | 223 | - | - | - | 0.85 | 1.70 | |
| KTM26250-R/F/S/M | 250 | 9.5 | 170 | | 125 | | | | | | | | | 1.17 | 2.34 | |

Conveyor Chains with Attachment

Order Product Code

KTM5125 - R/F/S 2L G-2 100-Link

Chain No. Roller Type Attachment Type Chain Length
Attachment Mounting Interval



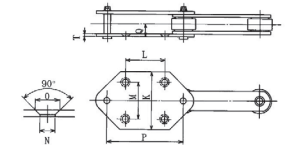
G-2-type Part Dimensions

| 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 | | | | 40 | | | | |
| KTM5125-R/F/S | 125 | 4.5 | 9.5 | 17 | 50 | 20.5 | 15.6 | 35 | 25 |
| 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 | | | | 30 | | | | |
| KTM10125-R/S | 125 | 6.3 (6.0) | 11 | 22 | 40 | 28.1 (27.8) | 21.3 (21.0) | 49 | 35 |
| 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 | | | | 80 | | | | |
| KTM17250-R/F/S | 250 | 9.5 | 15 | 27 | 110 | 45.2 | 34.9 | 80 | 60 |
| 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

Chain No. Roller Type Attachment Type Chain Length
Attachment Mounting Interval



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 | | | | 50 | 50 | 80 | 20.5 | 0.31 |
| KTM5150-R/F/S | 150 | 4.5 | 9.5 | 17 | 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 | | | | 100 | 80 | 127 | | 1.12 |
| KTM17250-R/F/S | 250 | 9.5 | 15 | 27 | 140 | 100 | 150 | 45.2 | 1.69 |
| KTM17300-R/F/S | 300 | | | | 180 | 120 | 170 | | 2.39 |
| KTM26300-R/F/S | 300 | | | | 180 | 120 | 170 | | 2.24 |
| KTM26450-R/F/S | 450 | 9.5 | 15 | 27 | 250 | 140 | 190 | 48.1 | 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 | 152.40 | 7.9 (8.0) | 15 | 27 | 75 | 70 | 110 | 34.7 | 0.53 |

Conveyor Sprocket for R Rollers

Conveyor Sprocket for R Rollers <A/BW/CW-type>

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

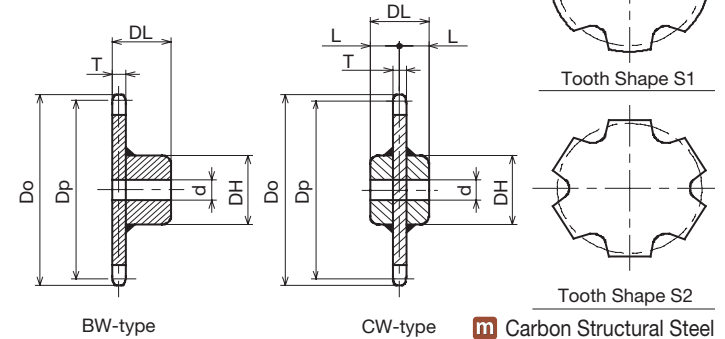
The beautiful exterior is a special feature with a full crosscut finish. Special sizes other than those below can also be produced.

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

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 | | | | | | 20 | 50 | 73 | 57 | 28.5 | 3.0 |
| | 8 | 195.982 | 209 | | | | | 20 | 55 | 83 | 62 | 31.0 | 4.8 | |
| | 10 | 242.707 | 259 | 12 | S1 | 75 | 31.8 | 16.1 | 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 | | S2 | | | | 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 | 12 | S1 | 100 | 31.8 | 16.1 | 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 | | | | | | 26 | 75 | 107 | 86 | 43.0 | 8.8 |
| | 8 | 261.310 | 272 | | | | | | 26 | 75 | 107 | 86 | 43.0 | 12.0 |
| | 10 | 323.610 | 340 | 18 | S1 | 100 | 40 | 22.2 | 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 | | | | | | 26 | 80 | 117 | 94 | 47.0 | 15.8 |
| | 8 | 391.965 | 402 | | | | | | 26 | 85 | 127 | 104 | 52.0 | 24.9 |
| | 10 | 485.415 | 500 | 18 | S2 | 150 | 40 | 22.2 | 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 | | | | | | 30 | 75 | 107 | 90 | 45.0 | 9.8 |
| | 8 | 261.310 | 282 | | | | | | 30 | 85 | 127 | 108 | 54.0 | 17.1 |
| | 10 | 323.610 | 349 | 22 | S1 | 100 | 50 | 30 | 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 | | S2 | | | | 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 | 22 | S2 | 150 | 50 | 30 | 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.

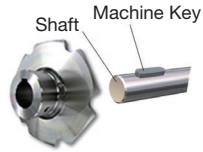
Conveyor Sprocket for F Rollers

Conveyor Sprocket for F Rollers <A/BW/CW-type>

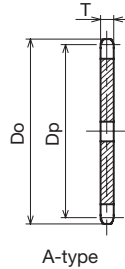
Order Product Code

K5100F 6

Chain No. No. of Teeth
Conveyor Sprocket No.



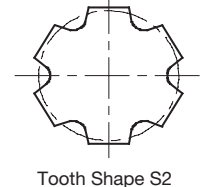
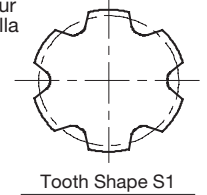
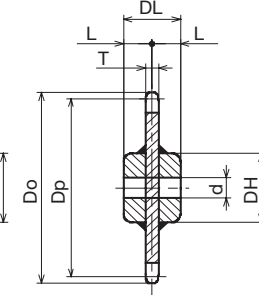
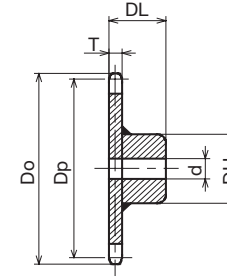
Use together with the KANA machine key. Refer to P.334 to P.335



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



Carbon Structural Steel

The beautiful exterior is a special feature with a full crosscut finish. Special sizes other than those below can also be produced.



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.

| 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 | | | | | | 20 | 50 | 73 | 54 | 27.0 | 2.6 |
| | 8 | 195.982 | 209 | | | | | 20 | 55 | 83 | 59 | 29.5 | 4.1 | |
| | 10 | 242.707 | 259 | 9 | S1 | 75 | 31.8 | 16.1 | 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 | | S2 | | | | 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 | 9 | S1 | 100 | 31.8 | 16.1 | 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 | | | | | | 26 | 75 | 107 | 80 | 40.0 | 7.3 |
| | 8 | 261.310 | 272 | | | | | | 26 | 75 | 107 | 80 | 40.0 | 9.4 |
| | 10 | 323.610 | 340 | 12 | S1 | 100 | 40 | 22.2 | 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 | | | | | | 26 | 80 | 117 | 88 | 44.0 | 12.4 |
| | 8 | 391.965 | 402 | | | | | | 26 | 85 | 127 | 98 | 49.0 | 19.2 |
| | 10 | 485.415 | 500 | 12 | S2 | 150 | 40 | 22.2 | 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 | | S2 | | | | 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 | 16 | S2 | 150 | 50 | 30 | 30 | 110 | 157 | 126 | 63.0 | 37.5 |
| | 12 | 579.555 | 601 | | S1 | | | | 30 | 115 | 167 | 137 | 68.5 | 50.8 |



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

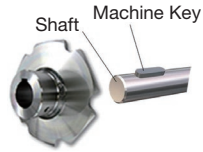
Conveyor Sprocket for S Rollers <A/BW/CW-type>

Order Product Code

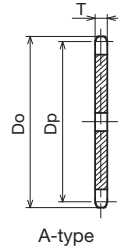
K5100S 6

Chain No. No. of Teeth

Conveyor Sprocket No.



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



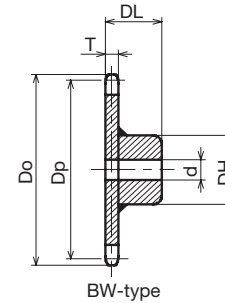
A-type



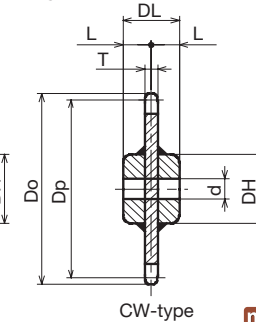
When welding an A-type boss, please use S20C, or less, for the boss material. Please use a low-hydrogen type electrode or wire for welding, preheating the sprocket and cooling it slowly after welding is complete. Distortion may occur in the sprocket due to the welding, in which case it may warp into an umbrella shape. Please take all necessary care when working to relieve this stress.



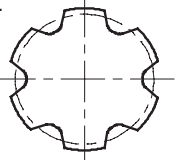
Production Examples



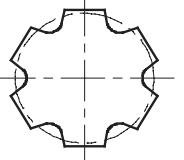
BW-type



CW-type



Tooth Shape S1



Tooth Shape S2

Carbon Structural Steel

The beautiful exterior is a special feature with a full crosscut finish. Special sizes other than those below can also be produced.



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.

| 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 | | | | | | 20 | 60 | 93 | 67 | 33.5 | 7.8 |
| | 10 | 323.610 | 333 | | | | | | 20 | 65 | 98 | 72 | 36.0 | 11.1 |
| | 12 | 386.370 | 396 | | | | | | 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 |
| | 6 | 200.000 | 212 | | | | | | 18 | S2 | 100 | 22.2 | 22.2 | 26 |
| 8 | 261.310 | 273 | 26 | 75 | 107 | 86 | 43.0 | 12.0 | | | | | | |
| 10 | 323.610 | 337 | 26 | 80 | 117 | 94 | 47.0 | 17.4 | | | | | | |
| 12 | 386.370 | 400 | 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 | | | | | | 26 | 85 | 127 | 104 | 52.0 | 24.9 |
| | 10 | 485.415 | 499 | | | | | | 26 | 95 | 137 | 116 | 58.0 | 36.7 |
| | 12 | 579.555 | 592 | | | | | | 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 | | | | | | 30 | 85 | 127 | 108 | 54.0 | 17.1 |
| | 10 | 323.610 | 341 | | | | | | 30 | 95 | 137 | 120 | 60.0 | 24.7 |
| | 12 | 386.370 | 404 | | | | | | 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 | | | | | | 30 | 100 | 147 | 123 | 61.5 | 33.2 |
| | 10 | 485.415 | 503 | | | | | | 30 | 110 | 157 | 133 | 66.5 | 47.6 |
| | 12 | 579.555 | 597 | | | | | | 30 | 115 | 167 | 144 | 72.0 | 65.2 |

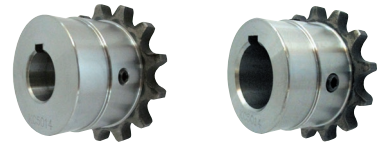
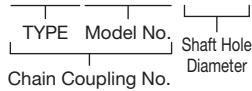


1. The diameter d represents general situations. Please determine the shaft hole and key surface according to general mechanical design.
2. For a sprocket mass exceeding 30kg, it may be necessary to put a hanging hole in the tooth section.

FBN Chain Couplings

● Order Product Code

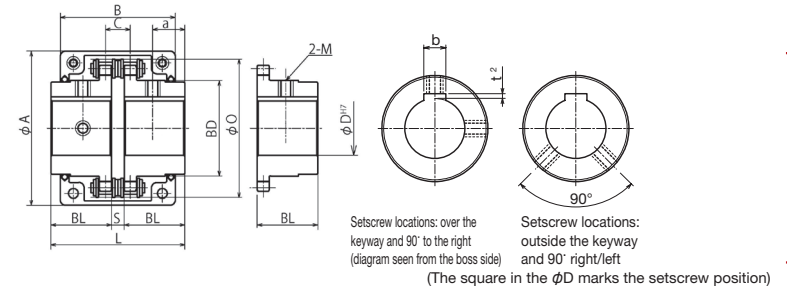
FBN4012 D20 (for New JIS Key)



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



| TYPE | FBN | | | | m Carbon Structural Steel h High-frequency Hardened Teeth | | | | | | | | |
|------------|--------------|----------------------------|----|-------------------|---|-----|------|----|----|------|-----|--------------|--|
| | Model Number | Keyway b×t ² | M | φ D ^{H7} | Body Dimensions | | | | | | | 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×t ² | M | φ D ^{H7} | Body Dimensions | | | | | | | 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.



* A dedicated chain and case are required for use.

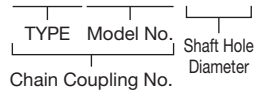
* Please refer to P.354 if you would like to order a set.

FBN Chain Couplings

FBN Finished Bore Chain Coupling New/Old JIS Keyway Specification

Order Product Code

FBN4012 D20 (for New JIS Key)

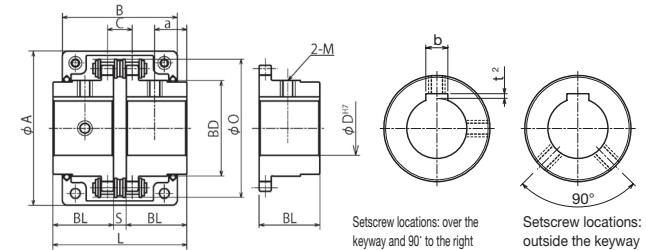


FBN5014D25
(inner diameter D25)



FBN5014D30
(inner diameter D30)

* Only sold by one side.
Please purchase two if a set is required.



| TYPE | FBN | | | | | | | | | | | |
|------------|--------------|----------------------------|----|---------------|-----------------|------|-------|-----|----|------|-----|--------------|
| | Model Number | Keyway b×t ² | M | ϕD^{H7} | Body Dimensions | | | | | | | Weight kg |
| | | | | | L | BL | S | BD | O | a | C | |
| 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 | | | | | | | | | | | |
|------------|--------------|----------------------------|----|---------------|-----------------|------|-------|-----|----|------|-----|--------------|
| | Model Number | Keyway b×t ² | M | ϕD^{H7} | Body Dimensions | | | | | | | Weight kg |
| | | | | | L | BL | S | BD | O | a | C | |
| 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 | |

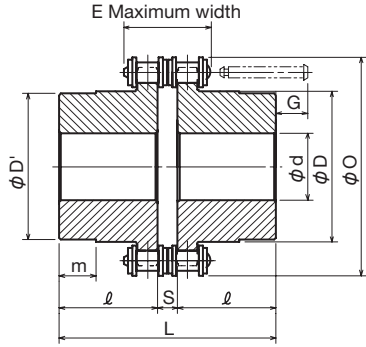
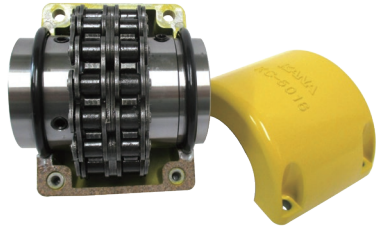
*M is a set screw. * The seal set screws differ from the usual due to the boss type.



* 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

● Order Product Code

MB 4012

Type Model No.

Chain Coupling No.

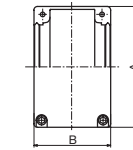
m Carbon Structural Steel h High-frequency Hardened Teeth

| 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 | 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 | Minimum Bore Shaft Hole Non-machined Product | 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).

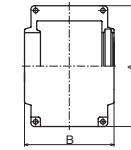
Format 1
3012C to 8022C

(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

◇ Dedicated Chain m Steel

| 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 |

| 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

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 5014C
 5014H x 1 (Body) (Case)
 5014C x 1



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.



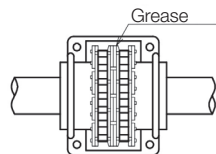
◆For chain couplings, we recommend that you include a case, and apply grease.

- When using at high rotational speed.
- When using it in a dusty/dirty environment, for example, or in a humid atmosphere.
- Scattering of the lubricant agent is prevented and also any intrusion of dust/dirt.
- 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 |

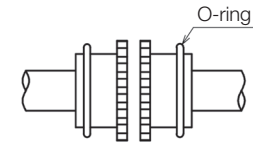


Chain Couplings

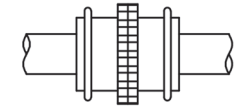
■ Mounting

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.

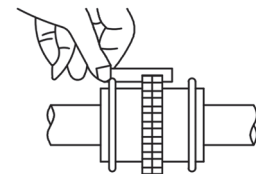


(2) Correct the angle error by seating it securely to the sprocket side.



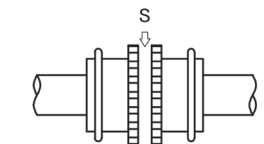
Allowable Error $\alpha = 1^\circ$ or Less

(3) Apply a straightedge to the teeth of the 2 sprockets to correct eccentricity.

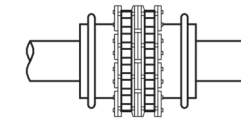


Allowable Error $\epsilon = 2\%$ or less of chain pitch

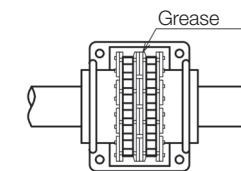
(4) Set the distance between sprockets to the S dimension (refer to the dimensions table) and secure the sprockets with set bolts.



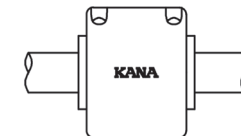
(5) Apply grease between both sprockets and to the chain, wind around both sprockets, and fix with a joint pin.



(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.

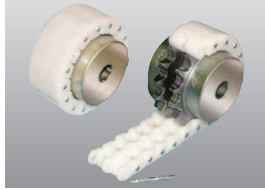


Mount at $\alpha = 0.5^\circ$ or less and $\epsilon = 1\%$ or less of chain pitch if using at 1/3 or more of the maximum rotation speed listed in the transmission capacity chart (right of the bold line).

Plastic Chain Couplings

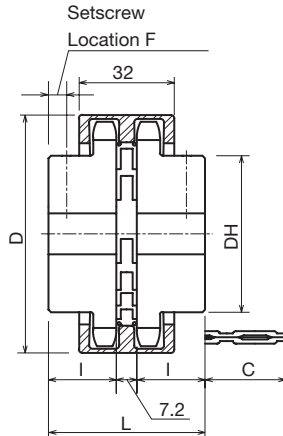
Order Product Code CE416S Set CE416 Chain Only

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 $\times 10^{-3}$ $\text{kg}\cdot\text{m}^2$ | $\text{GD}^2 \times 10^{-3}$ | 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 | 51.2 | 22 | 5 | 22.8 | 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 | 51.2 | 22 | 6 | 22.8 | 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 | 51.2 | 22 | 6 | 22.8 | 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 | 51.2 | 22 | 6 | 22.8 | 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 | 51.2 | 22 | 6 | 22.8 | 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 | 57.2 | 25 | 7 | 19.8 | 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 | 57.2 | 25 | 7 | 19.8 | 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 | 57.2 | 25 | 7 | 19.8 | 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 $\alpha = 1.0^\circ$ is allowable but when mounting, $\alpha = 0.5^\circ$ 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.

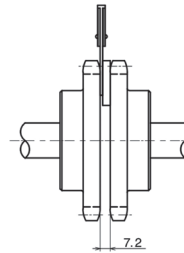


Figure 1

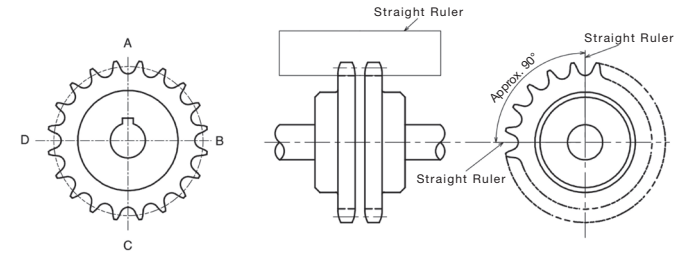


Figure 2

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.

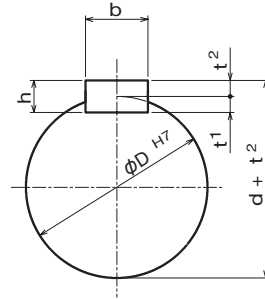
Precautions for Use

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 WidthxHeight b x 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 WidthxHeight b x 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 |