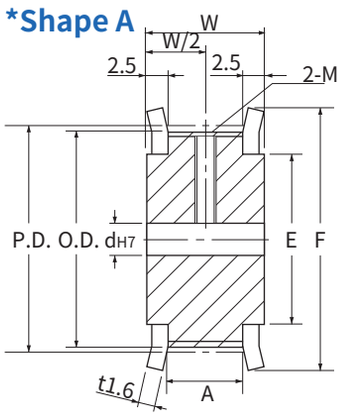
# H Regular Torque

## Ex Order.(For detailed ordering examples, please refer to page 04.)

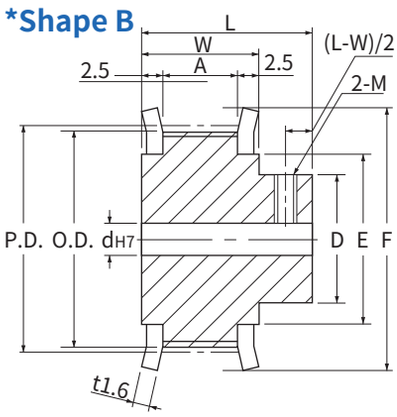
| Teeth Type | - | Shape | - | Material | - | Surface Treatment | - | Belt Width | - | Number of teeth | - | Processing project of shaft hole |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | | A | | AL | | WA | | 19.1 | | 14 | | H12 |
| H | | B | | CS | | BK | | 25.4 | | 15 | | F12 - Z14 - J3.0 |

Please refer to pages 05-06 for additional work item details.

### *Shape A




### *Shape B




| Material | Surface Treatment |
|---|---|
| Aluminum AL | white anode WA |
| | Black anode BA |
| | Hard anode HA |
| | Electroless nickel NE |
| S45C CS | - |
| | Black oxide BK |
| | Electroless nickel NE |

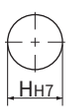
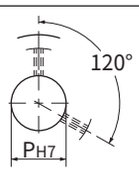
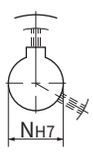
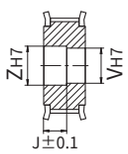
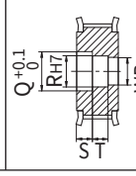
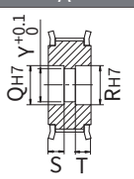
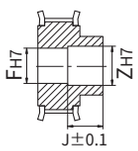
*Hard anode to a film's hardness of 300HV~.
*A small part of the processed area may not have a surface treatment.

| Belt Width mm | Pulley Shape | Number of teeth | P.D. A Shape | P.D. B Shape | O.D. A Shape | O.D. B Shape | F A Shape | F B Shape | E A Shape | E B Shape | D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19.1 ※A:21 ※W:26 ※L:41 | A B | 14 | 56.60 | | 55.22 | | 61 | | 45 | | 39 |
| | | 15 | 60.64 | | 59.27 | | 67 | | 50 | | 45 |
| | | 16 | 64.68 | | 63.31 | | 70 | | 56 | | 48 |
| | | 17 | 68.72 | | 67.35 | | 80 | | 60 | | 48 |
| | | 18 | 72.77 | | 71.39 | | | | | | 50 |
| 25.4 ※A:27 ※W:32 ※L:47 | | 19 | 76.81 | | 75.44 | | 87 | | 67 | | 50 |
| | | 20 | 80.85 | | 79.48 | | | | | | 58 |
| | | 21 | 84.89 | | 83.52 | | 95 | | 75 | | 58 |
| | | 22 | 88.94 | | 87.56 | | | | | | |
| | | 24 | 97.01 | | 95.65 | | 104 | | 84 | | 58 |
| 38.1 ※A:40 ※W:45 ※L:60 | | 25 | 101.06 | | 99.69 | | 111 | | 90 | | 63 |
| | | 26 | 105.11 | | 103.73 | | | | | | |
| | | 28 | 113.19 | | 111.82 | | 123 | | 102 | | 63 |
| | | 30 | 121.28 | | 119.90 | | 127 | | 105 | | 63 |
| 50.8 ※A:54 ※W:59 ※L:74 | | 32 | 129.36 | | 127.99 | | 135 | | 115 | | 63 |
| | | 34 | 137.45 | | 136.07 | | 144 | | 125 | | 71 |
| | | 36 | 145.53 | | 144.16 | | 152 | | 130 | | 71 |
| 76.2 ※A:80 ※W:85 ※L:100 | A | 38 | 153.62 | - | 152.24 | - | 165 | - | 140 | - | - |
| | | 40 | 161.70 | | 160.33 | | 170 | | 150 | | |
| | | 42 | 169.79 | | 168.41 | | 180 | | 155 | | |
| | | 44 | 177.87 | | 176.5 | | 190 | | 170 | | |
| | | 48 | 194.04 | | 192.67 | | 205 | | 180 | | |
| | | 50 | 202.13 | | 200.76 | | 210 | | 185 | | |

*When the tooth count is 36 or below, the belt width options are 075, 200, and 300.

# Belt Width 19.1mm · 25.4mm · 38.1mm · 50.8mm · 76.2mm

**Shaft hole processing items (refer to P . 0.7 - 0.8 for keyway and grommet groove dimensions).**

| H Round hole | P Round hole + tapping | N(new JIS) C(old JIS) Keyway holes + tapping | V Neck hole | | WB Double neck holes | Y Both ends neck holes | F Neck hole (Hub Side Countersunk Hole) |
|---|---|---|---|---|---|---|---|
| | | | A | B | A | A | B |
|  |  |  |  |  |  |  |  |

| Accessory fixing screws for P, N, C-axis hole processing service. | | | |
|---|---|---|---|
| Axis diameter | | 2-M thick thread | Attachment Fixing Screws |
| A | B | | |
| 12 | | M4 | M4X3 |
| 13~17 | | M5 | M5X4 |
| 18~30 | | M6 | M6X5 |
| 31~46 | | M8 | M8X6 |
| 47~70 | 47~62 | M10 | M10X8 |

*Flanges are installed. Set screws are included with P, N & C bore hole specification.

*Tolerance of hole dimensions on the hub side and end faces is ±0.3.

*When teeth are 38~50, t= 2.0(for cutting flanges)

*No tapped holes and set screws for H, V, Y, WB, F shaft holes.

*When the shaft hole specification is N, it is not possible to make the shaft hole diameter of 9, 51-54

*NK10 can also be selected within the range of options when the shaft hole specification is N.

*When the shaft hole specification is C, it is not possible to make shaft hole diameter of 13, 14, 17, 21-55.

*Z-V ≥ 2 when the shaft hole specification is V.

*Q(R) - Y≥2 for Y shaft hole specification ; applicable to A-shape only.

*Q-R ≥ 2 and R-WB ≥ 2 for WB shaft hole specification; for A-shape only.

*Z−F≥2 for F shaft hole specification; for B-shape only.

**Shaft hole specifications (specified unit: 1mm).**

| Number of teeth | H Round hole | | P Round hole + tapping | | N(C) Keyway holes + tapping | | V・F Neck hole | | | | | | Y Both ends neck holes・WB Double neck holes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | V | V・F | Z | | J (In units of 0.1mm.) | | Y・WB | Q・R | S・T (In units of 0.1mm.) |
| | A | B | A | B | A | B | A | B | A | B | A | B | A | A | A |
| 14 | 12~41 | 12~35 | 12~30 | 12~29 | 12~30 | 12~25 | 12~39 | 12~33 | 14~41 | 14~35 | | | 12~39 | 14~41 | |
| 15 | 12~46 | 12~41 | 12~34 | 12~33 | 12~31 | 12~29 | 12~44 | 12~39 | 14~46 | 14~41 | | | 12~44 | 14~46 | |
| 16 | 12~52 | 12~44 | 12~40 | 12~36 | 12~36 | 12~30 | 12~50 | 12~42 | 14~52 | 14~44 | | | 12~50 | 14~52 | |
| 17 | 12~56 | 12~44 | 12~44 | 12~36 | 12~41 | 12~30 | 12~54 | 12~42 | 14~56 | 14~44 | | | 12~54 | 14~56 | |
| 18 | 12~56 | 12~46 | 12~44 | 12~38 | 12~44 | 12~35 | 12~54 | 12~44 | 14~56 | 14~46 | | | 12~54 | 14~56 | |
| 19 | 14~63 | 14~46 | 14~49 | 12~38 | 14~47 | 14~35 | 14~61 | 14~44 | 16~63 | 16~46 | | | 14~61 | 16~63 | |
| 20 | 14~63 | 14~54 | 14~50 | 14~46 | 14~50 | 14~38 | 14~61 | 14~52 | 16~63 | 16~54 | | | 14~61 | 16~63 | |
| 21 | 14~67 | 14~54 | 14~57 | 14~46 | 14~50 | 14~38 | 14~65 | 14~52 | 16~67 | 16~54 | | | 14~65 | 16~67 | |
| 22 | 14~67 | 14~54 | 14~57 | 14~46 | 14~50 | 14~38 | 14~65 | 14~52 | 16~67 | 16~54 | | | 14~65 | 16~67 | |
| 24 | 16~76 | 16~54 | 16~65 | 16~46 | 16~55 | 16~38 | 16~74 | 16~52 | 18~76 | 18~54 | | | 16~74 | 18~76 | |
| 25 | 16~80 | 16~59 | 16~70 | 16~49 | 16~55 | 16~41 | 16~80 | 16~57 | 18~82 | 18~59 | 3.0≤J ≤W-3.0 | 3.0≤J ≤L-3.0 | 16~80 | 18~82 | 3.0~28.0 |
| 26 | 20~84 | 20~59 | 20~70 | 20~49 | 20~55 | 20~41 | 20~82 | 20~57 | 22~84 | 22~59 | | | 20~82 | 22~84 | S+T≤W-3 |
| 28 | 20~85 | 20~59 | 20~70 | 20~49 | 20~55 | 20~41 | 20~83 | 20~57 | 22~94 | 22~59 | | | 20~83 | 22~94 | |
| 30 | 20~85 | 20~59 | 20~70 | 20~49 | 20~55 | 20~41 | 20~83 | 20~57 | 22~95 | 22~59 | | | 20~93 | 22~95 | |
| 32 | 20~85 | 20~59 | 20~70 | 20~49 | 20~55 | 20~43 | 20~83 | 20~57 | 22~95 | 22~59 | | | 20~83 | 22~95 | |
| 34 | 20~85 | 20~67 | 20~70 | 20~57 | 20~55 | 20~49 | 20~83 | 20~65 | 22~95 | 22~67 | | | 20~83 | 22~95 | |
| 36 | 20~85 | 20~67 | 20~70 | 20~57 | 20~55 | 20~49 | 20~83 | 20~65 | 22~95 | 22~67 | | | 20~83 | 22~95 | |
| 38 | 20~85 | | 20~70 | | 20~55 | | 20~83 | | 22~95 | | | | 20~83 | 22~95 | |
| 40 | 20~85 | | 20~70 | | 20~55 | | 20~83 | | 22~95 | | | | 20~83 | 22~95 | |
| 42 | 20~85 | - | 20~70 | - | 20~55 | - | 20~83 | - | 22~95 | - | | | 20~83 | 22~95 | |
| 44 | 20~105 | | 20~70 | | 20~55 | | 20~103 | | 22~125 | | | | 20~105 | 22~125 | |
| 48 | 20~105 | | 20~70 | | 20~55 | | 20~103 | | 22~125 | | | | 20~105 | 22~125 | |
| 50 | 20~105 | | 20~70 | | 20~55 | | 20~103 | | 22~125 | | | | 20~105 | 22~125 | |