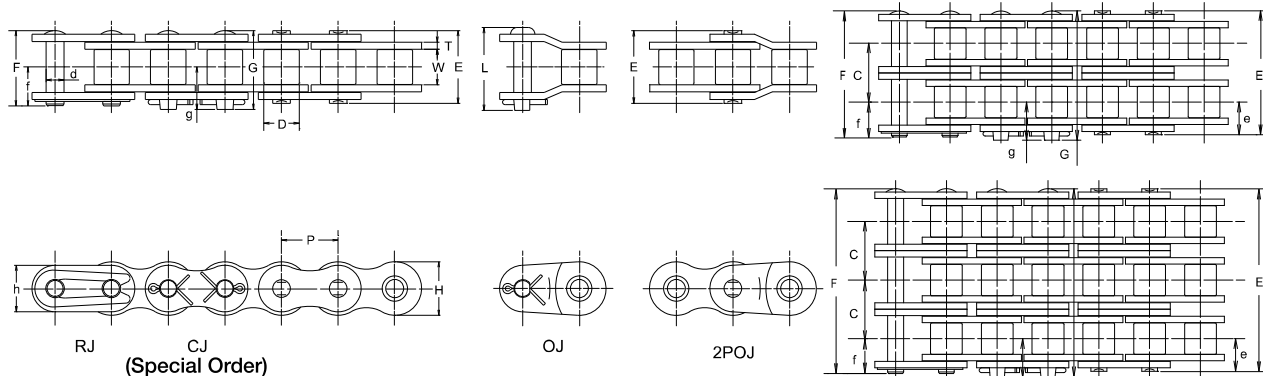


## DID 40 standard roller chain



## Dimensions

Dimensions

Unit (mm)

| Chain No. |      | Pitch<br>P | Roller Link Width<br>W | Roller dia.<br>D | Pin  |      |      |      |      |     |     |      | Transverse Pitch<br>C | Plate |      |      |       | JIS<br>Min. Tensile Strength |       | DID<br>Min. Tensile Strength |       | DID<br>Avg. Tensile Strength |       | DID<br>Max. Allowable Load |      | Approx. Weight<br>(kg/m) |
|-----------|------|------------|------------------------|------------------|------|------|------|------|------|-----|-----|------|-----------------------|-------|------|------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|----------------------------|------|--------------------------|
| DID       | JIS  |            |                        |                  | d    | E    | F    | G    | L    | e   | f   | g    |                       | T     | H    | h    | kN    | kgf                          | kN    | kgf                          | kN    | kgf                          | kN    | kgf                        |      |                          |
|           |      |            |                        |                  |      |      |      |      |      |     |     |      |                       |       |      |      |       |                              |       |                              |       |                              |       |                            |      |                          |
| DID40     | 40   |            |                        |                  |      | 16.5 | 17.6 | 18.1 | 19.1 |     |     |      |                       |       |      | 13.9 | 1,410 | 15.7                         | 1,590 | 19.1                         | 1,940 | 3.72                         | 380   | 0.63                       |      |                          |
| DID40-2   | 40-2 |            |                        |                  |      | 31.0 | 32.1 | 32.6 | 33.6 |     |     |      |                       |       |      | 27.8 | 2,820 | 31.4                         | 3,190 | 38.2                         | 3,880 | 6.32                         | 640   | 1.19                       |      |                          |
| DID40-3   | 40-3 | 12.70      | 7.95                   | 7.92             | 3.97 | 45.4 | 46.4 | 47.0 | 47.9 | 8.3 | 9.5 | 10.1 | 14.4                  | 1.50  | 12.0 | 10.4 | 41.7  | 4,230                        | 47.1  | 4,780                        | 57.3  | 5,820                        | 9.3   | 940                        | 1.78 |                          |
| DID40-4   | 40-4 |            |                        |                  |      | 59.9 | 61.0 | 61.4 | 61.4 |     |     |      |                       |       |      | —    | —     | 62.8                         | 6,380 | 76.4                         | 7,760 | 12.3                         | 1,250 | 2.37                       |      |                          |
| DID40-5   | 40-5 |            |                        |                  |      | 74.3 | 75.4 | 75.8 | 75.8 |     |     |      |                       |       |      | —    | —     | 78.5                         | 7,970 | 95.5                         | 9,700 | 14.5                         | 1,470 | 2.96                       |      |                          |

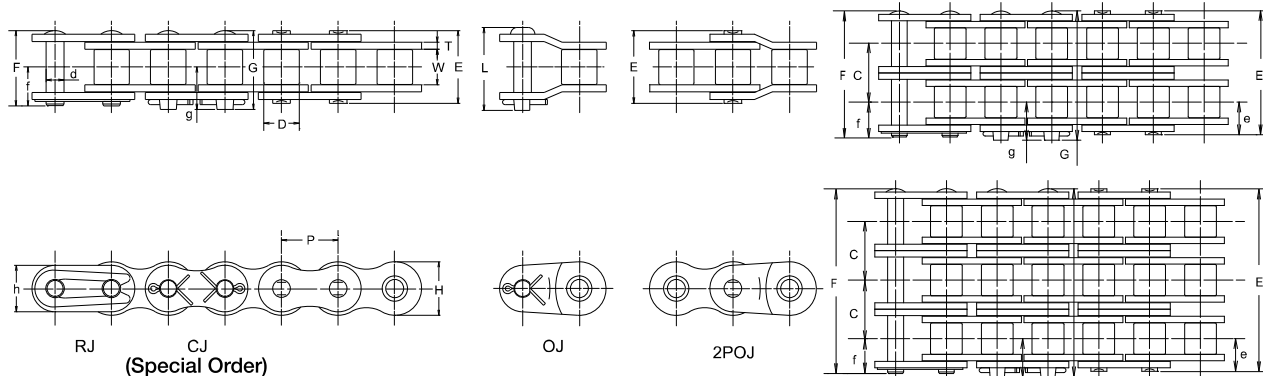
Note: The values of average tensile strength and Max. allowable tension are for chains.

## Max. Kilowatt Ratings DID 40

| Type of Lubrication<br>No. of Teeth of Small Sprocket |  | Small sprocket rpm (Refer to P132 for the details of lubrication A, B and C.) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Unit (kW) |  |
|-------------------------------------------------------|--|-------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--|
|                                                       |  | 50                                                                            | 200  | 400  | 600  | 900  | 1200 | 1500 | 1800 | 2400 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 |           |  |
|                                                       |  | A                                                                             |      |      |      | B    |      |      |      |      |      |      |      | C    |      |      |      |      |      |      |      |           |  |
| 11                                                    |  | 0.34                                                                          | 1.21 | 2.25 | 3.25 | 4.68 | 5.07 | 4.57 | 3.47 | 2.25 | 1.61 | 1.28 | 1.05 | 0.88 | 0.75 | 0.65 | 0.57 | 0.50 | 0.45 | 0.40 | 0.37 |           |  |
| 12                                                    |  | 0.38                                                                          | 1.33 | 2.48 | 3.57 | 5.15 | 5.67 | 5.21 | 3.96 | 2.57 | 1.84 | 1.46 | 1.19 | 1.00 | 0.85 | 0.74 | 0.65 | 0.57 | 0.51 | 0.46 | 0.42 |           |  |
| 13                                                    |  | 0.41                                                                          | 1.45 | 2.70 | 3.89 | 5.61 | 6.18 | 5.87 | 4.46 | 2.90 | 2.07 | 1.64 | 1.34 | 1.13 | 0.96 | 0.83 | 0.73 | 0.65 | 0.58 | 0.52 | 0.47 |           |  |
| 14                                                    |  | 0.45                                                                          | 1.57 | 2.93 | 4.22 | 6.08 | 6.70 | 6.56 | 4.99 | 3.24 | 2.32 | 1.84 | 1.50 | 1.26 | 1.07 | 0.93 | 0.82 | 0.72 | 0.65 | 0.58 | 0.53 |           |  |
| 15                                                    |  | 0.48                                                                          | 1.69 | 3.15 | 4.55 | 6.55 | 7.21 | 7.21 | 5.54 | 3.59 | 2.57 | 2.04 | 1.67 | 1.40 | 1.19 | 1.03 | 0.91 | 0.80 | 0.72 | 0.65 | —    |           |  |
| 16                                                    |  | 0.52                                                                          | 1.81 | 3.38 | 4.87 | 7.02 | 7.74 | 7.74 | 6.10 | 3.96 | 2.83 | 2.25 | 1.84 | 1.54 | 1.31 | 1.14 | 1.00 | 0.88 | 0.79 | 0.71 | —    |           |  |
| 17                                                    |  | 0.55                                                                          | 1.93 | 3.61 | 5.20 | 7.50 | 8.26 | 8.26 | 6.68 | 4.34 | 3.10 | 2.46 | 2.01 | 1.69 | 1.44 | 1.25 | 1.09 | 0.97 | 0.87 | 0.78 | —    |           |  |
| 18                                                    |  | 0.59                                                                          | 2.06 | 3.84 | 5.54 | 7.98 | 8.79 | 8.79 | 7.28 | 4.73 | 3.38 | 2.68 | 2.19 | 1.84 | 1.57 | 1.36 | 1.19 | 1.06 | 0.94 | 0.85 | —    |           |  |
| 19                                                    |  | 0.62                                                                          | 2.18 | 4.07 | 5.87 | 8.46 | 9.43 | 9.43 | 7.89 | 5.12 | 3.67 | 2.91 | 2.38 | 1.99 | 1.70 | 1.47 | 1.29 | 1.15 | 1.02 | 0.92 | —    |           |  |
| 20                                                    |  | 0.66                                                                          | 2.30 | 4.31 | 6.20 | 8.94 | 10.2 | 10.2 | 8.52 | 5.54 | 3.96 | 3.14 | 2.57 | 2.15 | 1.84 | 1.59 | 1.40 | 1.24 | 1.11 | 1.00 | —    |           |  |
| 21                                                    |  | 0.69                                                                          | 2.43 | 4.54 | 6.54 | 9.42 | 11.0 | 11.0 | 9.17 | 5.96 | 4.26 | 3.38 | 2.77 | 2.32 | 1.98 | 1.71 | 1.50 | 1.33 | 1.19 | —    | —    |           |  |
| 22                                                    |  | 0.73                                                                          | 2.56 | 4.77 | 6.88 | 9.91 | 11.7 | 11.7 | 9.84 | 6.39 | 4.57 | 3.62 | 2.97 | 2.48 | 2.12 | 1.84 | 1.61 | 1.43 | 1.28 | —    | —    |           |  |
| 23                                                    |  | 0.77                                                                          | 2.68 | 5.01 | 7.22 | 10.4 | 12.6 | 12.6 | 10.5 | 6.83 | 4.88 | 3.87 | 3.17 | 2.66 | 2.27 | 1.96 | 1.72 | 1.53 | 1.37 | —    | —    |           |  |
| 24                                                    |  | 0.80                                                                          | 2.81 | 5.24 | 7.55 | 10.9 | 13.4 | 13.4 | 11.2 | 7.28 | 5.21 | 4.13 | 3.38 | 2.83 | 2.42 | 2.09 | 1.84 | 1.63 | 1.46 | —    | —    |           |  |
| 25                                                    |  | 0.84                                                                          | 2.93 | 5.48 | 7.90 | 11.4 | 14.1 | 14.1 | 11.9 | 7.74 | 5.54 | 4.39 | 3.59 | 3.01 | 2.57 | 2.23 | 1.95 | 1.73 | —    | —    | —    |           |  |
| 28                                                    |  | 0.95                                                                          | 3.32 | 6.19 | 8.92 | 12.9 | 16.0 | 16.0 | 14.1 | 9.17 | 6.56 | 5.21 | 4.26 | 3.57 | 3.05 | 2.64 | 2.32 | 2.05 | —    | —    | —    |           |  |
| 30                                                    |  | 1.02                                                                          | 3.57 | 6.67 | 9.61 | 13.9 | 17.2 | 17.2 | 15.7 | 10.2 | 7.28 | 5.77 | 4.73 | 3.96 | 3.38 | 2.93 | 2.57 | —    | —    | —    | —    |           |  |
| 32                                                    |  | 1.10                                                                          | 3.83 | 7.16 | 10.3 | 14.9 | 18.4 | 18.4 | 17.3 | 11.2 | 8.02 | 6.36 | 5.21 | 4.36 | 3.72 | 3.23 | 2.83 | —    | —    | —    | —    |           |  |
| 35                                                    |  | 1.21                                                                          | 4.22 | 7.88 | 11.4 | 16.4 | 20.7 | 20.7 | 19.7 | 12.8 | 9.17 | 7.28 | 5.96 | 4.99 | 4.26 | 3.69 | —    | —    | —    | —    | —    |           |  |
| 40                                                    |  | 1.40                                                                          | 4.88 | 9.11 | 13.1 | 18.9 | 24.1 | 24.1 | 24.1 | 15.7 | 11.2 | 8.89 | 7.28 | 6.10 | 5.21 | —    | —    | —    | —    | —    | —    |           |  |
| 45                                                    |  | 1.59                                                                          | 5.54 | 10.3 | 14.9 | 21.5 | 27.4 | 27.4 | 27.4 | 18.7 | 13.4 | 10.6 | 8.69 | 7.28 | —    | —    | —    | —    | —    | —    | —    |           |  |

Note: Values in the above table are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P122).

## DID 50 standard roller chain



## Dimensions

Dimensions

Unit (mm)

| Chain No. |      | Pitch<br><br><b>P</b> | Roller Link Width<br><br><b>W</b> | Roller dia.<br><br><b>D</b> | Pin      |          |          |          |          |          |          |          | Transverse Pitch<br><br><b>C</b> | Plate    |          |          |        | JIS<br>Min. Tensile Strength |        | DID<br>Min. Tensile Strength |       | DID<br>Avg. Tensile Strength |      | DID<br>Max. Allowable Load |      | Approx. Weight<br>(kg/m) |
|-----------|------|-----------------------|-----------------------------------|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------|--------|------------------------------|--------|------------------------------|-------|------------------------------|------|----------------------------|------|--------------------------|
| DID       | JIS  |                       |                                   |                             | <b>d</b> | <b>E</b> | <b>F</b> | <b>G</b> | <b>L</b> | <b>e</b> | <b>f</b> | <b>g</b> |                                  | <b>T</b> | <b>H</b> | <b>h</b> | kN     | kgf                          | kN     | kgf                          | kN    | kgf                          | kN   | kgf                        |      |                          |
|           |      |                       |                                   |                             |          |          |          |          |          |          |          |          |                                  |          |          |          |        |                              |        |                              |       |                              |      |                            |      |                          |
| DID50     | 50   |                       |                                   |                             |          | 20.3     | 21.9     | 22.1     | 23.2     |          |          |          |                                  | 21.8     | 2,210    | 26.5     | 2,690  | 30.8                         | 3,130  | 6.86                         | 700   | 1.06                         |      |                            |      |                          |
| DID50-2   | 50-2 |                       |                                   |                             |          | 38.5     | 40.1     | 40.3     | 41.3     |          |          |          |                                  | 43.6     | 4,430    | 53       | 5,380  | 61.6                         | 6,250  | 11.7                         | 1,190 | 2.04                         |      |                            |      |                          |
| DID50-3   | 50-3 | 15.875                | 9.53                              | 10.16                       | 5.09     | 56.7     | 58.3     | 58.5     | 59.5     | 10.2     | 11.6     | 12.1     | 18.1                             | 2.00     | 15.0     | 13.0     | 65.4   | 6,640                        | 79.5   | 8,070                        | 92.4  | 9,380                        | 17.2 | 1,750                      | 3.06 |                          |
| DID50-4   | 50-4 |                       |                                   |                             |          | 74.8     | 76.4     | 76.6     | 76.6     |          |          |          |                                  | —        | —        | 106      | 10,760 | 123                          | 12,490 | 22.6                         | 2,290 | 4.06                         |      |                            |      |                          |
| DID50-5   | 50-5 |                       |                                   |                             |          | 93.0     | 94.5     | 94.7     | 94.7     |          |          |          |                                  | —        | —        | 132      | 13,400 | 154                          | 15,630 | 26.8                         | 2,720 | 5.08                         |      |                            |      |                          |

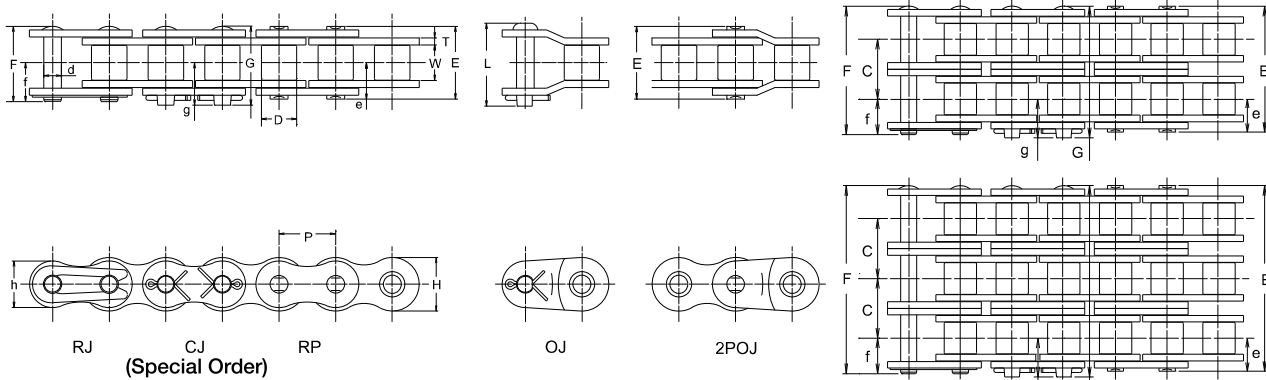
Note: The values of average tensile strength and Max. allowable tension are for chains.

## Max. Kilowatt Ratings DID 50

| Max. Kilowatt Ratings D1D 30   |                     |                                                                                                           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Unit (kW) |
|--------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|
| No. of Teeth of Small Sprocket | Type of Lubrication | Small Sprocket revolutions per minute (rpm) (See P132 for the details of type of lubrication A, B and C.) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |
|                                |                     | 50                                                                                                        | 100  | 300  | 500  | 900  | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 | 3000 | 3300 | 3500 | 4000 | 4500 | 5000 | 5400 | 5800 |           |
|                                |                     | A                                                                                                         |      |      | B    |      |      |      |      |      |      |      |      |      |      | C    |      |      |      |      |           |
| 11                             |                     | 0.76                                                                                                      | 1.42 | 3.82 | 6.05 | 7.88 | 7.64 | 5.46 | 4.15 | 3.30 | 2.70 | 2.26 | 1.93 | 1.67 | 1.53 | 1.25 | 1.05 | 0.89 | 0.80 | 0.71 |           |
| 12                             |                     | 0.83                                                                                                      | 1.56 | 4.19 | 6.64 | 8.71 | 8.70 | 6.22 | 4.73 | 3.76 | 3.07 | 2.57 | 2.20 | 1.90 | 1.74 | 1.43 | 1.19 | 1.02 | 0.91 | 0.81 |           |
| 13                             |                     | 0.91                                                                                                      | 1.70 | 4.57 | 7.24 | 9.82 | 9.81 | 7.02 | 5.34 | 4.24 | 3.47 | 2.90 | 2.48 | 2.15 | 1.97 | 1.61 | 1.35 | 1.15 | 1.02 | 0.92 |           |
| 14                             |                     | 0.98                                                                                                      | 1.84 | 4.95 | 7.85 | 11.0 | 11.0 | 7.85 | 5.97 | 4.73 | 3.87 | 3.25 | 2.77 | 2.40 | 2.20 | 1.80 | 1.51 | 1.28 | 1.14 | —    |           |
| 15                             |                     | 1.06                                                                                                      | 1.98 | 5.34 | 8.45 | 12.2 | 12.2 | 8.70 | 6.62 | 5.25 | 4.30 | 3.60 | 3.07 | 2.66 | 2.44 | 1.99 | 1.67 | 1.43 | 1.27 | —    |           |
| 16                             |                     | 1.14                                                                                                      | 2.13 | 5.72 | 9.06 | 13.4 | 13.4 | 9.59 | 7.29 | 5.78 | 4.73 | 3.97 | 3.39 | 2.93 | 2.69 | 2.20 | 1.84 | 1.57 | 1.40 | —    |           |
| 17                             |                     | 1.21                                                                                                      | 2.27 | 6.11 | 9.68 | 14.7 | 14.7 | 10.5 | 7.99 | 6.34 | 5.19 | 4.34 | 3.71 | 3.21 | 2.94 | 2.41 | 2.02 | 1.72 | 1.53 | —    |           |
| 18                             |                     | 1.29                                                                                                      | 2.41 | 6.50 | 10.3 | 15.8 | 15.8 | 11.4 | 8.70 | 6.90 | 5.65 | 4.73 | 4.04 | 3.50 | 3.21 | 2.62 | 2.20 | 1.88 | —    | —    |           |
| 19                             |                     | 1.37                                                                                                      | 2.56 | 6.89 | 10.9 | 16.8 | 16.8 | 12.4 | 9.44 | 7.49 | 6.13 | 5.13 | 4.38 | 3.80 | 3.48 | 2.85 | 2.38 | 2.03 | —    | —    |           |
| 20                             |                     | 1.45                                                                                                      | 2.71 | 7.28 | 11.5 | 17.7 | 17.7 | 13.4 | 10.2 | 8.09 | 6.62 | 5.55 | 4.73 | 4.10 | 3.76 | 3.07 | 2.57 | 2.20 | —    | —    |           |
| 21                             |                     | 1.53                                                                                                      | 2.85 | 7.68 | 12.2 | 18.7 | 18.7 | 14.4 | 11.0 | 8.70 | 7.12 | 5.97 | 5.09 | 4.41 | 4.04 | 3.31 | 2.77 | 2.36 | —    | —    |           |
| 22                             |                     | 1.61                                                                                                      | 3.00 | 8.07 | 12.8 | 19.6 | 19.6 | 15.5 | 11.8 | 9.33 | 7.64 | 6.40 | 5.46 | 4.73 | 4.33 | 3.55 | 2.97 | 2.54 | —    | —    |           |
| 23                             |                     | 1.68                                                                                                      | 3.15 | 8.47 | 13.4 | 20.6 | 20.6 | 16.5 | 12.6 | 9.97 | 8.16 | 6.84 | 5.84 | 5.06 | 4.63 | 3.79 | 3.18 | —    | —    | —    |           |
| 24                             |                     | 1.76                                                                                                      | 3.30 | 8.87 | 14.1 | 21.6 | 21.6 | 17.6 | 13.4 | 10.6 | 8.70 | 7.29 | 6.22 | 5.39 | 4.94 | 4.04 | 3.39 | —    | —    | —    |           |
| 25                             |                     | 1.84                                                                                                      | 3.44 | 9.27 | 14.7 | 22.5 | 22.5 | 18.7 | 14.3 | 11.3 | 9.25 | 7.75 | 6.62 | 5.74 | 5.25 | 4.30 | 3.60 | —    | —    | —    |           |
| 28                             |                     | 2.08                                                                                                      | 3.89 | 10.5 | 16.6 | 26.8 | 26.8 | 22.2 | 16.9 | 13.4 | 11.0 | 9.19 | 7.85 | 6.80 | 6.22 | 5.09 | —    | —    | —    | —    |           |
| 30                             |                     | 2.25                                                                                                      | 4.20 | 11.3 | 17.9 | 29.1 | 29.1 | 24.6 | 18.7 | 14.9 | 12.2 | 10.2 | 8.70 | 7.54 | 6.90 | 5.65 | —    | —    | —    | —    |           |
| 32                             |                     | 2.41                                                                                                      | 4.50 | 12.1 | 19.2 | 31.4 | 31.4 | 27.1 | 20.6 | 16.4 | 13.4 | 11.2 | 9.59 | 8.31 | 7.61 | 6.22 | —    | —    | —    | —    |           |
| 35                             |                     | 2.65                                                                                                      | 4.96 | 13.3 | 21.1 | 34.4 | 34.4 | 31.0 | 23.6 | 18.7 | 15.3 | 12.8 | 11.0 | 9.50 | 8.70 | 7.12 | —    | —    | —    | —    |           |
| 40                             |                     | 3.07                                                                                                      | 5.73 | 15.4 | 24.4 | 40.4 | 40.4 | 37.9 | 28.8 | 22.9 | 18.7 | 15.7 | 13.4 | 11.6 | 10.6 | —    | —    | —    | —    | —    |           |
| 45                             |                     | 3.48                                                                                                      | 6.50 | 17.5 | 27.7 | 46.0 | 46.0 | 45.2 | 34.4 | 27.3 | 22.4 | 18.7 | 16.0 | 13.9 | —    | —    | —    | —    | —    | —    |           |

Note: Values in the table above are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P122).

## DID 60 standard roller chain



## Dimensions

Dimensions

Unit (mm)

| Chain No.      |            | Pitch<br><b>P</b> | Roller<br>Link<br>Width<br><b>W</b> | Roller<br>dia.<br><b>D</b> | Pin      |          |          |          |          |          |          |          | Transverse<br>Pitch<br><b>C</b> | Plate    |          |          |      | <b>JIS</b><br>Min. Tensile<br>Strength |      | <b>DID</b><br>Min. Tensile<br>Strength |      | <b>DID</b><br>Avg. Tensile<br>Strength |      | <b>DID</b><br>Max. Allowable<br>Load |      | Approx.<br>Weight<br>(kg/m) |
|----------------|------------|-------------------|-------------------------------------|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|---------------------------------|----------|----------|----------|------|----------------------------------------|------|----------------------------------------|------|----------------------------------------|------|--------------------------------------|------|-----------------------------|
| <b>DID</b>     | <b>JIS</b> |                   |                                     |                            | <b>d</b> | <b>E</b> | <b>F</b> | <b>G</b> | <b>L</b> | <b>e</b> | <b>f</b> | <b>g</b> |                                 | <b>T</b> | <b>H</b> | <b>h</b> | kN   | kgf                                    | kN   | kgf                                    | kN   | kgf                                    | kN   | kgf                                  |      |                             |
|                |            |                   |                                     |                            |          |          |          |          |          |          |          |          |                                 |          |          |          |      |                                        |      |                                        |      |                                        |      |                                      |      |                             |
| <b>DID60</b>   | 60         | 19.05             | 12.70                               | 11.91                      | 5.96     | 25.4     | 26.9     | 27.9     | 29.8     | 12.7     | 14.3     | 15.1     | 22.8                            | 2.40     | 18.1     | 15.6     | 31.3 | 3,180                                  | 35.3 | 3,580                                  | 44.1 | 4,480                                  | 9.31 | 950                                  | 1.53 |                             |
| <b>DID60-2</b> | 60-2       |                   |                                     |                            |          | 48.3     | 49.8     | 50.9     | 52.5     |          |          |          |                                 |          |          |          | 62.6 | 6,360                                  | 70.6 | 7,170                                  | 88.2 | 8,950                                  | 15.8 | 1,600                                | 3.03 |                             |
| <b>DID60-3</b> | 60-3       |                   |                                     |                            |          | 71.2     | 72.7     | 73.7     | 75.3     |          |          |          |                                 |          |          |          | 93.9 | 9,530                                  | 106  | 10,760                                 | 132  | 13,400                                 | 23.3 | 2,370                                | 4.51 |                             |
| <b>DID60-4</b> | 60-4       |                   |                                     |                            |          | 94.0     | 95.5     | 96.5     | 96.5     |          |          |          |                                 |          |          |          | —    | —                                      | 141  | 14,310                                 | 176  | 17,870                                 | 30.7 | 3,120                                | 6.03 |                             |
| <b>DID60-5</b> | 60-5       |                   |                                     |                            |          | 116.8    | 118.8    | 119.3    | 119.3    |          |          |          |                                 |          |          |          | —    | —                                      | 177  | 17,970                                 | 221  | 22,440                                 | 36.3 | 3,690                                | 7.53 |                             |

**Note:** The values of average tensile strength and Max. allowable tension are for chains.

## Max. Kilowatt Ratings DID 60

| No. of Teeth of Small Sprocket | Type of Lubrication | Small Sprocket revolutions per minute (rpm) (See P132 for the details of type of lubrication A, B and C.) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                |                     | 50                                                                                                        | 100  | 200  | 500  | 700  | 900  | 1200 | 1400 | 1500 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3500 | 3800 | 4000 |
|                                |                     | A                                                                                                         |      |      | B    |      |      |      |      |      |      |      |      |      |      |      | C    |      |      |      |      |
| 11                             |                     | 1.26                                                                                                      | 2.36 | 4.40 | 10.1 | 12.7 | 12.7 | 8.84 | 7.01 | 6.32 | 5.74 | 4.81 | 4.10 | 3.56 | 3.12 | 2.77 | 2.48 | 2.23 | 1.77 | 1.56 | 1.45 |
| 12                             |                     | 1.39                                                                                                      | 2.59 | 4.84 | 11.0 | 13.9 | 13.9 | 10.1 | 7.99 | 7.20 | 6.54 | 5.48 | 4.68 | 4.05 | 3.56 | 3.15 | 2.82 | 2.54 | 2.02 | 1.78 | 1.65 |
| 13                             |                     | 1.51                                                                                                      | 2.83 | 5.28 | 12.0 | 15.2 | 15.2 | 11.4 | 9.01 | 8.12 | 7.37 | 6.18 | 5.27 | 4.57 | 4.01 | 3.56 | 3.18 | 2.87 | 2.28 | 2.01 | 1.86 |
| 14                             |                     | 1.64                                                                                                      | 3.06 | 5.72 | 13.1 | 16.7 | 16.7 | 12.7 | 10.1 | 9.08 | 8.24 | 6.90 | 5.89 | 5.11 | 4.48 | 3.98 | 3.56 | 3.21 | 2.54 | 2.25 | 2.08 |
| 15                             |                     | 1.77                                                                                                      | 3.30 | 6.16 | 14.1 | 18.5 | 18.5 | 14.1 | 11.2 | 10.1 | 9.14 | 7.66 | 6.54 | 5.67 | 4.97 | 4.41 | 3.94 | 3.56 | 2.82 | 2.49 | 2.31 |
| 16                             |                     | 1.89                                                                                                      | 3.54 | 6.60 | 15.1 | 20.4 | 20.4 | 15.5 | 12.3 | 11.1 | 10.1 | 8.44 | 7.20 | 6.24 | 5.48 | 4.86 | 4.35 | 3.92 | 3.11 | 2.75 | 2.54 |
| 17                             |                     | 2.02                                                                                                      | 3.78 | 7.05 | 16.1 | 21.8 | 22.3 | 17.0 | 13.5 | 12.2 | 11.0 | 9.24 | 7.89 | 6.84 | 6.00 | 5.32 | 4.76 | 4.29 | 3.40 | 3.01 | 2.79 |
| 18                             |                     | 2.15                                                                                                      | 4.02 | 7.50 | 17.1 | 23.2 | 23.7 | 18.5 | 14.7 | 13.2 | 12.0 | 10.1 | 8.60 | 7.45 | 6.54 | 5.80 | 5.19 | 4.68 | 3.71 | 3.28 | 3.04 |
| 19                             |                     | 2.28                                                                                                      | 4.26 | 7.95 | 18.1 | 24.6 | 25.1 | 20.1 | 15.9 | 14.4 | 13.0 | 10.9 | 9.32 | 8.08 | 7.09 | 6.29 | 5.63 | 5.07 | 4.02 | 3.56 | 3.29 |
| 20                             |                     | 2.41                                                                                                      | 4.50 | 8.40 | 19.2 | 26.0 | 26.6 | 21.7 | 17.2 | 15.5 | 14.1 | 11.8 | 10.1 | 8.73 | 7.66 | 6.79 | 6.08 | 5.48 | 4.35 | 3.84 | 3.56 |
| 21                             |                     | 2.54                                                                                                      | 4.75 | 8.86 | 20.2 | 27.4 | 28.0 | 23.3 | 18.5 | 16.7 | 15.1 | 12.7 | 10.8 | 9.39 | 8.24 | 7.31 | 6.54 | 5.89 | 4.68 | 4.13 | 3.83 |
| 22                             |                     | 2.67                                                                                                      | 4.99 | 9.32 | 21.3 | 28.8 | 29.5 | 25.0 | 19.8 | 17.9 | 16.2 | 13.6 | 11.6 | 10.1 | 8.84 | 7.84 | 7.01 | 6.32 | 5.01 | 4.43 | 4.10 |
| 23                             |                     | 2.80                                                                                                      | 5.24 | 9.77 | 22.3 | 30.2 | 30.9 | 26.7 | 21.2 | 19.1 | 17.4 | 14.5 | 12.4 | 10.8 | 9.45 | 8.38 | 7.49 | 6.76 | 5.36 | 4.74 | 4.39 |
| 24                             |                     | 2.94                                                                                                      | 5.48 | 10.2 | 23.4 | 31.6 | 32.5 | 28.5 | 22.6 | 20.4 | 18.5 | 15.5 | 13.2 | 11.5 | 10.1 | 8.93 | 7.99 | 7.20 | 5.71 | 5.05 | 4.68 |
| 25                             |                     | 3.07                                                                                                      | 5.73 | 10.7 | 24.4 | 33.0 | 34.5 | 30.3 | 24.0 | 21.7 | 19.7 | 16.5 | 14.1 | 12.2 | 10.7 | 9.49 | 8.49 | 7.66 | 6.08 | 5.37 | 4.97 |
| 28                             |                     | 3.47                                                                                                      | 6.48 | 12.1 | 27.6 | 37.3 | 40.9 | 35.9 | 28.5 | 25.7 | 23.3 | 19.5 | 16.7 | 14.5 | 12.7 | 11.3 | 10.1 | 9.08 | 7.20 | 6.37 | —    |
| 30                             |                     | 3.74                                                                                                      | 6.98 | 13.0 | 29.7 | 40.2 | 44.9 | 39.8 | 31.6 | 28.5 | 25.9 | 21.7 | 18.5 | 16.0 | 14.1 | 12.5 | 11.2 | 10.1 | 7.99 | —    | —    |
| 32                             |                     | 4.01                                                                                                      | 7.48 | 14.0 | 31.9 | 43.1 | 48.1 | 43.9 | 34.8 | 31.4 | 28.5 | 23.9 | 20.4 | 17.7 | 15.5 | 13.8 | 12.3 | 11.1 | 8.80 | —    | —    |
| 35                             |                     | 4.41                                                                                                      | 8.24 | 15.4 | 35.1 | 47.5 | 53.0 | 50.2 | 39.8 | 35.9 | 32.6 | 27.3 | 23.3 | 20.2 | 17.7 | 15.7 | 14.1 | 12.7 | —    | —    | —    |
| 40                             |                     |                                                                                                           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

Note: Values in the table above are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P122).