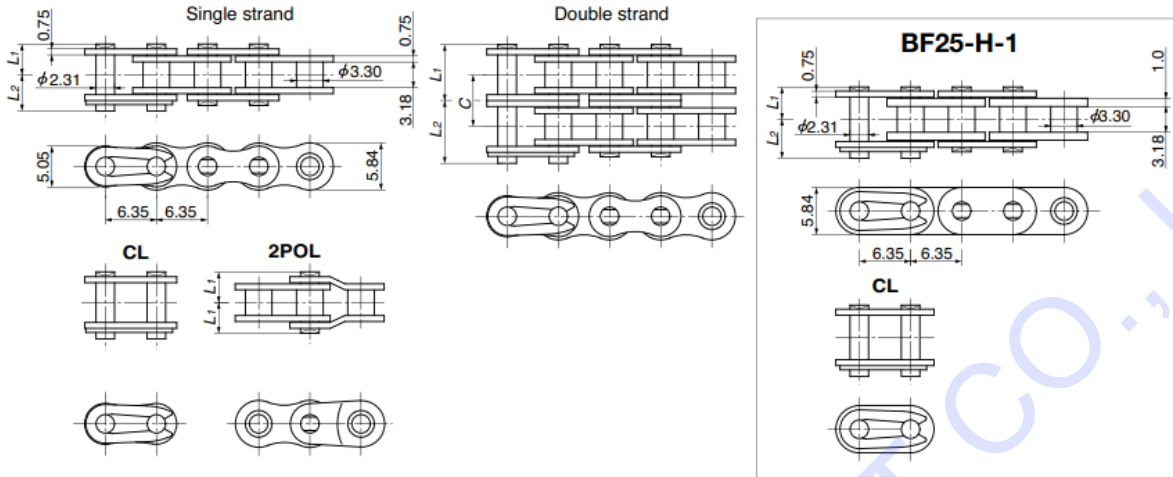


RS25 /BF25-H-1 STANDARD ROLLER CHAIN (ANSI STANDARD)

โซ่ขับ /โซ่ลูกกลิ้งมาตรฐาน รุ่น RS25 / BF25-H-1 (ANSI STANDARD)



| TSUBAKI Chain Number | Number of Strands | Pin Length L1+L2 | Dimensions L1 | Dimensions L2 | Transverse Pitch C | Pin Type | ANSI Standard Min. Tensile Strength kN(kgf) | Tsubaki Minimum Tensile Strength kN(kgf) | Tsubaki Average Tensile Strength kN(kgf) | Maximum Allowable Load kN(kgf) | Approximate Mass kg/m |
|----------------------|-------------------|------------------|---------------|---------------|--------------------|----------|---|--|--|--------------------------------|-----------------------|
| RS25-1 | 1 | 8.3 | 3.8 | 4.5 | - | Riveting | 3.5 {357} | 4.12 {420} | 4.71 {480} | 0.64 {65} | 0.14 |
| RS25-2 | 2 | 14.7 | 7.0 | 7.7 | 6.4 | | 7.0 {714} | 8.24 {840} | 9.41 {960} | 1.08{110} | 0.27 |
| RS25-3 | 3 | 21.1 | 10.2 | 10.9 | 6.4 | | 10.5{1071} | 12.4{1260} | 14.1{1440} | 1.57{160} | 0.42 |
| BF25-H-1 | 1 | 8.82 | 4.01 | 4.81 | - | | - | 4.9 {500} | 5.88 {600} | 0.78 {80} | 0.17 |

Note: 1. Offset links for RS25 only available in two pitch offset links. The maximum allowable load is the same as shown in the table above.
 2. Minimum tensile strength for RS25-1 is 3.82kN, RS25-2 is 7.65kN, and RS25-3 is 11.5kN. 3. No offset links are available for BF25-H-1.
 4. One unit has 160 links. 5. Both RS25 and BF25-H-1 are bushed chains. 6. Stocked in units.
 *Maximum allowable load when using an M-type connecting link is 80% of the above.

■ RS25-1 Maximum Kilowatt Ratings Table (kW Ratings for Single Strand Chain)

| Small Sprocket No. of Teeth | Small Sprocket Max rpm | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 50 | 100 | 300 | 500 | 700 | 900 | 1200 | 1500 | 1800 | 2100 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 | 8500 | 9000 | 10000 |
| | A | | | | | | | | | | | | B | | | | | | | | | | | | |
| 9 | 0.02 | 0.03 | 0.08 | 0.13 | 0.18 | 0.23 | 0.30 | 0.36 | 0.43 | 0.49 | 0.57 | 0.67 | 0.78 | 0.76 | 0.64 | 0.55 | 0.47 | 0.41 | 0.37 | 0.33 | 0.30 | 0.27 | 0.25 | 0.23 | 0.19 |
| 10 | 0.02 | 0.04 | 0.10 | 0.15 | 0.20 | 0.26 | 0.33 | 0.41 | 0.48 | 0.55 | 0.64 | 0.76 | 0.87 | 0.89 | 0.75 | 0.64 | 0.55 | 0.49 | 0.43 | 0.39 | 0.35 | 0.32 | 0.29 | 0.26 | 0.23 |
| 11 | 0.02 | 0.04 | 0.11 | 0.17 | 0.23 | 0.28 | 0.37 | 0.45 | 0.53 | 0.61 | 0.71 | 0.84 | 0.96 | 1.03 | 0.86 | 0.74 | 0.64 | 0.56 | 0.50 | 0.44 | 0.40 | 0.36 | 0.33 | 0.30 | 0.26 |
| 12 | 0.02 | 0.04 | 0.12 | 0.18 | 0.25 | 0.31 | 0.40 | 0.49 | 0.58 | 0.67 | 0.78 | 0.92 | 1.06 | 1.17 | 0.98 | 0.84 | 0.73 | 0.64 | 0.57 | 0.51 | 0.46 | 0.41 | 0.38 | 0.35 | 0.30 |
| 13 | 0.03 | 0.05 | 0.13 | 0.20 | 0.27 | 0.34 | 0.44 | 0.54 | 0.63 | 0.73 | 0.85 | 1.00 | 1.15 | 1.30 | 1.11 | 0.95 | 0.82 | 0.72 | 0.64 | 0.57 | 0.52 | 0.47 | 0.43 | 0.39 | 0.33 |
| 14 | 0.03 | 0.05 | 0.14 | 0.22 | 0.29 | 0.37 | 0.48 | 0.58 | 0.69 | 0.79 | 0.92 | 1.09 | 1.25 | 1.41 | 1.24 | 1.06 | 0.92 | 0.80 | 0.71 | 0.64 | 0.58 | 0.52 | 0.48 | 0.44 | 0.37 |
| 15 | 0.03 | 0.05 | 0.15 | 0.23 | 0.32 | 0.40 | 0.51 | 0.63 | 0.74 | 0.85 | 0.99 | 1.17 | 1.35 | 1.52 | 1.37 | 1.17 | 1.02 | 0.89 | 0.79 | 0.71 | 0.64 | 0.58 | 0.53 | 0.49 | 0.41 |
| 16 | 0.03 | 0.06 | 0.16 | 0.25 | 0.34 | 0.43 | 0.55 | 0.67 | 0.79 | 0.91 | 1.07 | 1.26 | 1.44 | 1.63 | 1.51 | 1.29 | 1.12 | 0.98 | 0.87 | 0.78 | 0.70 | 0.64 | 0.58 | 0.54 | 0.46 |
| 17 | 0.03 | 0.06 | 0.17 | 0.27 | 0.36 | 0.45 | 0.59 | 0.72 | 0.85 | 0.97 | 1.14 | 1.34 | 1.54 | 1.74 | 1.66 | 1.42 | 1.23 | 1.08 | 0.95 | 0.85 | 0.77 | 0.70 | 0.64 | 0.59 | 0.50 |
| 18 | 0.04 | 0.07 | 0.18 | 0.28 | 0.39 | 0.48 | 0.63 | 0.76 | 0.90 | 1.04 | 1.21 | 1.43 | 1.64 | 1.85 | 1.81 | 1.54 | 1.34 | 1.17 | 1.04 | 0.93 | 0.84 | 0.76 | 0.70 | 0.64 | 0.55 |
| 19 | 0.04 | 0.07 | 0.19 | 0.30 | 0.41 | 0.51 | 0.66 | 0.81 | 0.96 | 1.10 | 1.28 | 1.51 | 1.74 | 1.96 | 1.96 | 1.67 | 1.45 | 1.27 | 1.13 | 1.01 | 0.91 | 0.83 | 0.75 | 0.69 | 0.59 |
| 20 | 0.04 | 0.07 | 0.20 | 0.32 | 0.43 | 0.54 | 0.70 | 0.86 | 1.01 | 1.16 | 1.36 | 1.60 | 1.84 | 2.07 | 2.11 | 1.81 | 1.57 | 1.37 | 1.22 | 1.09 | 0.98 | 0.89 | 0.81 | 0.75 | 0.64 |
| 21 | 0.04 | 0.08 | 0.21 | 0.34 | 0.45 | 0.57 | 0.74 | 0.90 | 1.06 | 1.22 | 1.43 | 1.69 | 1.94 | 2.18 | 2.28 | 1.94 | 1.68 | 1.48 | 1.31 | 1.17 | 1.06 | 0.96 | 0.88 | 0.80 | 0.69 |
| 22 | 0.04 | 0.08 | 0.22 | 0.35 | 0.48 | 0.60 | 0.78 | 0.95 | 1.12 | 1.29 | 1.50 | 1.77 | 2.04 | 2.30 | 2.44 | 2.08 | 1.81 | 1.58 | 1.41 | 1.26 | 1.13 | 1.03 | 0.94 | 0.86 | 0.74 |
| 23 | 0.05 | 0.09 | 0.23 | 0.37 | 0.50 | 0.63 | 0.82 | 1.00 | 1.17 | 1.35 | 1.58 | 1.86 | 2.14 | 2.41 | 2.61 | 2.23 | 1.93 | 1.69 | 1.50 | 1.34 | 1.21 | 1.10 | 1.00 | 0.92 | 0.79 |
| 24 | 0.05 | 0.09 | 0.25 | 0.39 | 0.53 | 0.66 | 0.85 | 1.04 | 1.23 | 1.41 | 1.65 | 1.95 | 2.24 | 2.52 | 2.78 | 2.37 | 2.06 | 1.81 | 1.60 | 1.43 | 1.29 | 1.17 | 1.07 | 0.98 | 0.84 |
| 25 | 0.05 | 0.10 | 0.26 | 0.41 | 0.55 | 0.69 | 0.89 | 1.09 | 1.28 | 1.48 | 1.73 | 2.03 | 2.34 | 2.64 | 2.93 | 2.52 | 2.19 | 1.92 | 1.70 | 1.52 | 1.37 | 1.25 | 1.14 | 1.04 | 0.89 |
| 26 | 0.05 | 0.10 | 0.27 | 0.42 | 0.57 | 0.72 | 0.93 | 1.14 | 1.34 | 1.54 | 1.80 | 2.12 | 2.44 | 2.75 | 3.06 | 2.68 | 2.32 | 2.04 | 1.81 | 1.62 | 1.46 | 1.32 | 1.21 | 1.11 | 0.95 |
| 28 | 0.06 | 0.11 | 0.29 | 0.46 | 0.62 | 0.78 | 1.01 | 1.23 | 1.45 | 1.67 | 1.95 | 2.30 | 2.64 | 2.98 | 3.31 | 2.99 | 2.59 | 2.28 | 2.02 | 1.81 | 1.63 | 1.48 | 1.35 | 1.24 | 1.06 |
| 30 | 0.06 | 0.12 | 0.31 | 0.49 | 0.67 | 0.84 | 1.09 | 1.33 | 1.56 | 1.80 | 2.10 | 2.48 | 2.85 | 3.21 | 3.57 | 3.32 | 2.88 | 2.52 | 2.24 | 2.00 | 1.81 | 1.64 | 1.50 | 1.37 | 1.17 |
| 32 | 0.07 | 0.12 | 0.33 | 0.53 | 0.72 | 0.90 | 1.16 | 1.42 | 1.68 | 1.93 | 2.25 | 2.66 | 3.05 | 3.44 | 3.83 | 3.65 | 3.17 | 2.78 | 2.47 | 2.21 | 1.99 | 1.81 | 1.65 | 1.51 | 1.29 |
| 35 | 0.07 | 0.14 | 0.37 | 0.58 | 0.79 | 0.99 | 1.28 | 1.57 | 1.85 | 2.12 | 2.48 | 2.93 | 3.36 | 3.79 | 4.21 | 4.18 | 3.62 | 3.18 | 2.82 | 2.52 | 2.28 | 2.07 | 1.89 | 1.73 | 1.48 |
| 40 | 0.08 | 0.16 | 0.43 | 0.67 | 0.91 | 1.14 | 1.48 | 1.81 | 2.13 | 2.45 | 2.87 | 3.38 | 3.88 | 4.38 | 4.87 | 5.11 | 4.43 | 3.89 | 3.45 | 3.08 | 2.78 | 2.52 | 2.30 | 2.11 | 1.81 |
| 45 | 0.10 | 0.18 | 0.48 | 0.77 | 1.04 | 1.30 | 1.68 | 2.06 | 2.42 | 2.78 | 3.26 | 3.84 | 4.41 | 4.97 | 5.53 | 6.08 | 5.28 | 4.64 | 4.11 | 3.68 | 3.32 | 3.01 | 2.75 | 2.52 | 2.15 |

Note: 1. Please contact a Tsubaki representative prior to use of kW ratings in the colored area of the table.

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|---------------------|-------------------------|---------------------|--------------------|---|--|--------------------|
| Multi-strand factor | Number of chain strands | Multi-strand factor | Lubrication method | A | Manual lubrication or drip lubrication | Details on Pg. 202 |
| | Double strand | | | B | Oil bath or slinger disc lubrication | |
| | Triple strand | | | C | Forced pump lubrication | |