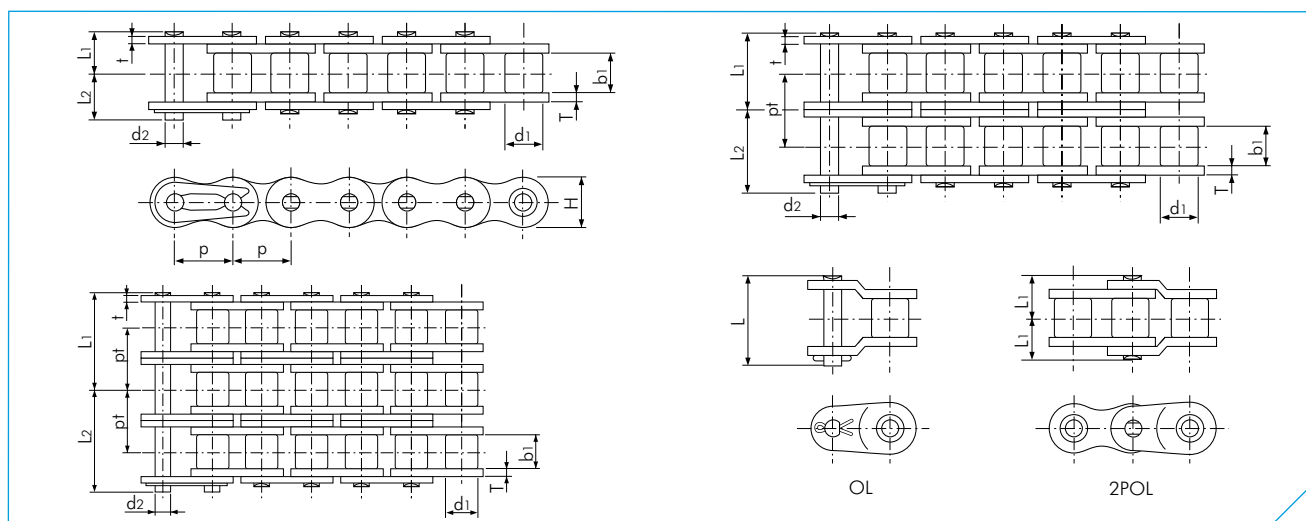


# BS CHAIN FOR CORROSIVE ENVIRONMENTS



## BS NP Chain

Dimensions in mm

| TSUBAKI<br>Chain No. | Pitch<br>p     | Roller<br>Diameter<br>d1 | Inner<br>Width<br>b1 | Pin            |              |              | Link Plate  |                |                | Transverse<br>Pitch<br>pt | Min.<br>Tensile<br>Strength<br>acc. to<br>ISO 606<br>kN | Min.<br>Tensile<br>Strength<br>acc. to<br>Tsubaki<br>kN | Av. Tensile<br>Strength<br>acc. to<br>Tsubaki<br>kN | Approx.<br>Mas<br>kg/m |
|----------------------|----------------|--------------------------|----------------------|----------------|--------------|--------------|-------------|----------------|----------------|---------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------|------------------------|
|                      |                |                          |                      | Diameter<br>d2 | Length<br>L1 | Length<br>L2 | Length<br>L | Thickness<br>T | Thickness<br>t | Height<br>H (max)         |                                                         |                                                         |                                                     |                        |
| RF06B-NP-1           | 9.525 (3/8")   | 6.35                     | 5.72                 | 3.28           | 6.35         | 7.65         | 14.20       | 1.30           | 1.00           | 8.20                      | -                                                       | 8.9                                                     | 9.0                                                 | 9.9                    |
| RF06B-NP-2           |                |                          |                      |                | 11.43        | 12.57        | -           |                |                |                           | 10.24                                                   | 16.9                                                    | 17.0                                                | 18.7                   |
| RF06B-NP-3           |                |                          |                      |                | 16.90        | 17.50        | -           |                |                |                           | 10.24                                                   | 24.9                                                    | 24.9                                                | 27.4                   |
| RS08B-NP-1           | 12.70 (1/2")   | 8.51                     | 7.75                 | 4.45           | 8.40         | 10.00        | 18.40       | 1.60           | 1.60           | 11.80                     | -                                                       | 17.8                                                    | 19.0                                                | 20.9                   |
| RS08B-NP-2           |                |                          |                      |                | 15.30        | 16.90        | 33.60       |                |                |                           | 13.92                                                   | 31.1                                                    | 32.0                                                | 35.2                   |
| RS08B-NP-3           |                |                          |                      |                | 22.25        | 23.85        | 47.60       |                |                |                           | 13.92                                                   | 44.5                                                    | 47.5                                                | 52.3                   |
| RS10B-NP-1           | 15.875 (5/8")  | 10.16                    | 9.65                 | 5.08           | 9.55         | 11.25        | 21.10       | 1.50           | 1.50           | 14.70                     | -                                                       | 22.2                                                    | 23.0                                                | 25.3                   |
| RS10B-NP-2           |                |                          |                      |                | 17.85        | 19.55        | 39.40       |                |                |                           | 16.59                                                   | 44.5                                                    | 44.5                                                | 49.0                   |
| RS10B-NP-3           |                |                          |                      |                | 26.15        | 27.85        | 56.10       |                |                |                           | 16.59                                                   | 66.6                                                    | 66.8                                                | 73.5                   |
| RS12B-NP-1           | 19.05 (3/4")   | 12.07                    | 11.68                | 5.72           | 11.20        | 13.10        | 24.80       | 1.80           | 1.80           | 16.10                     | -                                                       | 28.9                                                    | 31.0                                                | 34.1                   |
| RS12B-NP-2           |                |                          |                      |                | 20.85        | 22.75        | 46.30       |                |                |                           | 19.46                                                   | 57.8                                                    | 61.0                                                | 67.1                   |
| RS12B-NP-3           |                |                          |                      |                | 30.60        | 32.50        | 66.00       |                |                |                           | 19.46                                                   | 86.7                                                    | 92.0                                                | 101.0                  |
| RS16B-NP-1           | 25.40 (1")     | 15.88                    | 17.02                | 8.28           | 17.75        | 19.95        | 38.90       | 4.00           | 3.20           | 21.00                     | -                                                       | 60.0                                                    | 70.0                                                | 77.0                   |
| RS16B-NP-2           |                |                          |                      |                | 33.55        | 35.75        | 73.80       |                |                |                           | 31.88                                                   | 106.0                                                   | 128.0                                               | 141.0                  |
| RS20B-NP-1           | 31.75 (1 1/4") | 19.05                    | 19.56                | 10.19          | 19.90        | 23.10        | 46.95       | 4.40           | 3.40           | 26.00                     | -                                                       | 95.0                                                    | 98.1                                                | 108.0                  |
| RS20B-NP-2           |                |                          |                      |                | 38.25        | 41.45        | 84.85       |                |                |                           | 36.45                                                   | 170.0                                                   | 197.0                                               | 217.0                  |
| RS24B-NP-1           | 38.10 (1 1/2") | 25.40                    | 25.40                | 14.63          | 26.65        | 31.85        | 62.00       | 6.00           | 5.60           | 33.40                     | -                                                       | 160.0                                                   | 167.0                                               | 184.0                  |
| RS24B-NP-2           |                |                          |                      |                | 50.80        | 56.00        | 112.95      |                |                |                           | 48.36                                                   | 280.0                                                   | 335.0                                               | 370.0                  |
| RS28B-NP-1           | 44.45 (1 3/4") | 27.94                    | 30.99                | 15.90          | 32.45        | 37.45        | 74.50       | 7.50           | 6.30           | 36.40                     | -                                                       | 200.0                                                   | 200.0                                               | 220.0                  |
| RS28B-NP-2           |                |                          |                      |                | 62.15        | 67.15        | 136.85      |                |                |                           | 59.56                                                   | 360.0                                                   | 374.0                                               | 411.0                  |
| RS32B-NP-1           | 50.80 (2")     | 29.21                    | 30.99                | 17.81          | 32.10        | 37.70        | 73.50       | 7.00           | 6.30           | 42.20                     | -                                                       | 250.0                                                   | 255.0                                               | 281.0                  |
| RS32B-NP-2           |                |                          |                      |                | 61.25        | 66.85        | 135.25      |                |                |                           | 58.55                                                   | 450.0                                                   | 485.0                                               | 534.0                  |

Note:

1. Connecting links are clip type for sizes up to RS16B-NP, and cotter type for sizes RS16B-NP to RS32B-NP.
2. RF06B-NP chain has flat-shaped link plates.
3. Intermediate plate of multi strand RF06B-NP-2 and RS08B-NP-2 chain is a solid plate.
4. Center sink riveting is applied to RS08B-NP-1 to RS16B-NP-1 single strand chain.
5. Double stake riveting is applied to all other sizes including multi-strand chain.
6. When a single pitch offset link is used, please calculate a 35% reduction of the fatigue strength.