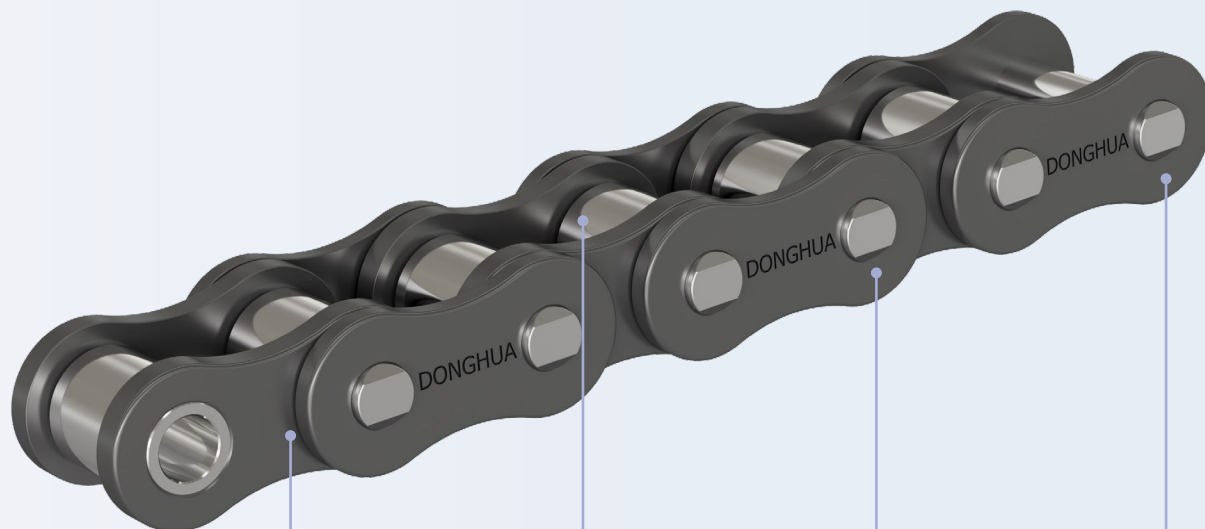




High tensile strength

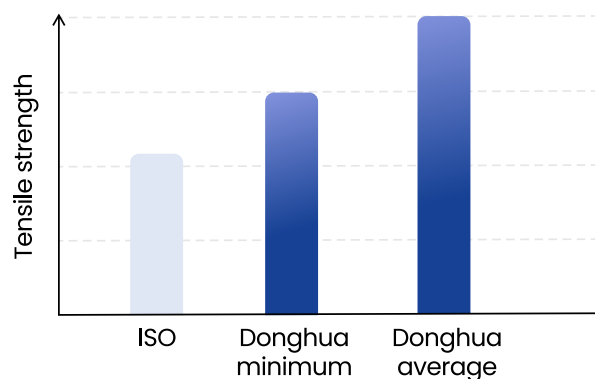
Seamless roller

Consistent high quality

British Standard and ANSI

## Standard Chains (BS & ANSI)

Donghua Standard Chains (BS & ANSI) are engineered and produced with consistent high quality. They are used in a wide range of power transmission applications, delivering exceptional performance. These chains are built to withstand tough conditions, offering excellent wear and fatigue resistance, along with a high breaking load capacity.

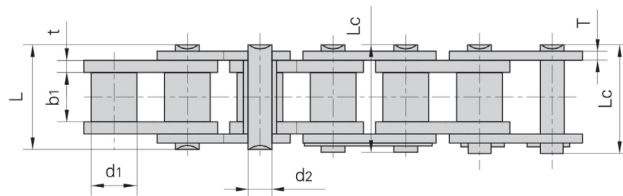
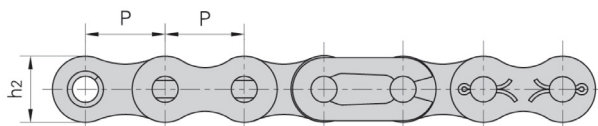


### Technical highlights

- Seamless roller
- Curled bush up to 1' 1/4
- Seamless bush from 1' 1/2
- Offers higher tensile strength than ISO/DIN requirements
- Consistent high quality
- Available in British Standard, ANSI, and Worksnorm
- Chains are pre-loaded at 40 to 50% of the breaking load
- Standard pre-lubricated with DH-1 (temp range -5 to 80 °C)
- Alternative lubricants available for special applications upon request

### Alternative

- Longer lifetime: EXL, CP, X3
- High strength, Heavy duty series: H, HV, HTX, SP, HSP, UHSP
- Maintenance free: SLR, NEXUS, SS Dry Tec, O-ring, X-ring chain
- Corrosion resistance: ZP, NP, ZT
- Stainless steel: SS300, SS+400, SS600 Series



| Donghua Chain no. |         |                 | Width between inner plates |              |            |        |                   |                 | Tensile strength |                 |           |                  |
|-------------------|---------|-----------------|----------------------------|--------------|------------|--------|-------------------|-----------------|------------------|-----------------|-----------|------------------|
|                   | Pitch   | Roller diameter |                            | Pin diameter | Pin length |        | Inner plate depth | Plate thickness | Acc. to ISO      | Acc. to Donghua |           | Weight per meter |
|                   | P       | d1 max          | b1 min                     | d2 max       | L max      | Lc max | h2 max            | t/T max         | F min            | F min           | F Average | q                |
|                   | mm      | mm              | mm                         | mm           | mm         | mm     | mm                | mm              | kN               | kN              | kN        | kg/m             |
| BS-Simplex        |         |                 |                            |              |            |        |                   |                 |                  |                 |           |                  |
| 04B-1             | 6,000   | 4,00            | 2,80                       | 1,85         | 6,80       | 7,80   | 5,00              | 0,60            | 3,00             | 3,00            | 3,20      | 0,11             |
| 05B-1             | 8,000   | 5,00            | 3,00                       | 2,31         | 8,20       | 8,90   | 7,10              | 0,80            | 5,00             | 5,30            | 5,90      | 0,20             |
| #06B-1            | 9,525   | 6,35            | 5,72                       | 3,28         | 13,15      | 14,10  | 8,20              | 1,30            | 9,00             | 9,40            | 10,40     | 0,41             |
| 08B-1             | 12,700  | 8,51            | 7,75                       | 4,45         | 16,70      | 18,20  | 11,80             | 1,60            | 18,00            | 18,00           | 19,40     | 0,69             |
| 10B-1             | 15,875  | 10,16           | 9,65                       | 5,08         | 19,50      | 20,90  | 14,70             | 1,70            | 22,40            | 24,80           | 27,50     | 0,93             |
| 12B-1             | 19,050  | 12,07           | 11,68                      | 5,72         | 22,50      | 24,20  | 16,00             | 1,85            | 29,00            | 29,00           | 32,20     | 1,15             |
| 16B-1             | 25,400  | 15,88           | 17,02                      | 8,28         | 36,10      | 37,40  | 21,00             | 4,15/3,1        | 60,00            | 69,40           | 77,10     | 2,71             |
| 20B-1             | 31,750  | 19,05           | 19,56                      | 10,19        | 41,30      | 45,00  | 26,40             | 4,5/3,5         | 95,00            | 101,50          | 112,80    | 3,70             |
| 24B-1             | 38,100  | 25,40           | 25,40                      | 14,63        | 53,40      | 57,80  | 33,20             | 6,0/4,8         | 160,00           | 160,20          | 178,00    | 7,10             |
| 28B-1             | 44,450  | 27,94           | 30,99                      | 15,90        | 65,10      | 69,50  | 36,70             | 7,5/6,0         | 200,00           | 212,80          | 236,40    | 8,50             |
| 32B-1             | 50,800  | 29,21           | 30,99                      | 17,81        | 66,00      | 71,00  | 42,00             | 7,0/6,0         | 250,00           | 250,00          | 277,50    | 10,25            |
| 40B-1             | 63,500  | 39,37           | 38,10                      | 22,89        | 82,20      | 89,20  | 52,96             | 8,50/8,0        | 355,00           | 355,00          | 394,00    | 16,35            |
| 48B-1             | 75,200  | 48,26           | 45,72                      | 29,24        | 99,10      | 107,00 | 63,80             | 12,00/10,0      | 560,00           | 560,00          | 621,60    | 25,00            |
| 56B-1             | 88,900  | 53,98           | 53,34                      | 34,32        | 114,60     | 123,00 | 77,80             | 13,50/12,0      | 850,00           | 850,00          | 940,00    | 35,78            |
| 64B-1             | 101,600 | 63,50           | 60,96                      | 39,40        | 130,00     | 138,50 | 90,17             | 15,00/13,0      | 1132,00          | 1132,00         | 1.240,00  | 46,00            |
| 72B-1             | 114,300 | 72,39           | 68,59                      | 44,48        | 147,40     | 156,40 | 103,60            | 17,00/15,0      | 1.400,00         | 1400,00         | 1.550,00  | 60,80            |
| ANSI-Simplex      |         |                 |                            |              |            |        |                   |                 |                  |                 |           |                  |
| *25-1             | 6,350   | 3,30            | 3,18                       | 2,31         | 7,90       | 8,40   | 6,00              | 0,80            | 3,50             | 4,50            | 5,00      | 0,15             |
| *35-1             | 9,525   | 5,08            | 4,77                       | 3,58         | 12,40      | 13,17  | 9,00              | 1,30            | 7,90             | 10,20           | 11,30     | 0,33             |
| 41-1              | 12,700  | 7,77            | 6,25                       | 3,58         | 13,75      | 15,00  | 9,91              | 1,30            | 6,67             | 11,30           | 12,60     | 0,41             |
| 40-1              | 12,700  | 7,95            | 7,85                       | 3,96         | 16,60      | 17,80  | 12,00             | 1,50            | 14,10            | 16,70           | 18,60     | 0,62             |
| 50-1              | 15,870  | 10,16           | 9,40                       | 5,08         | 20,70      | 22,20  | 15,09             | 2,03            | 22,20            | 28,20           | 31,30     | 1,02             |
| 60-1              | 19,050  | 11,91           | 12,57                      | 5,94         | 25,90      | 27,70  | 18,00             | 2,42            | 31,80            | 38,90           | 43,20     | 1,50             |
| 80-1              | 25,400  | 15,88           | 15,75                      | 7,92         | 32,70      | 35,00  | 24,00             | 3,25            | 56,70            | 66,90           | 74,30     | 2,60             |
| 100-1             | 31,750  | 19,05           | 18,90                      | 9,53         | 40,40      | 44,70  | 30,00             | 4,00            | 88,50            | 96,80           | 107,60    | 3,91             |
| 120-1             | 38,100  | 22,23           | 25,22                      | 11,10        | 50,30      | 54,30  | 35,70             | 4,80            | 127,00           | 146,80          | 163,10    | 5,62             |
| 140-1             | 44,450  | 25,40           | 25,22                      | 12,70        | 54,40      | 59,00  | 41,00             | 5,60            | 172,40           | 200,30          | 222,50    | 7,50             |
| 160-1             | 50,800  | 28,58           | 31,55                      | 14,27        | 64,80      | 69,60  | 47,80             | 6,40            | 226,80           | 240,20          | 266,90    | 10,10            |
| 180-1             | 57,150  | 35,71           | 35,48                      | 17,46        | 72,80      | 78,60  | 53,60             | 7,20            | 280,20           | 325,00          | 361,10    | 13,45            |
| 200-1             | 63,500  | 39,68           | 37,85                      | 19,85        | 87,20      | 87,20  | 60,00             | 8,00            | 353,50           | 420,10          | 466,80    | 16,15            |
| 240-1             | 76,200  | 47,63           | 47,35                      | 23,81        | 103,00     | 103,00 | 72,00             | 9,50            | 510,30           | 604,40          | 671,60    | 23,20            |

\*Bush chain: d1 in the table indicates the external diameter of the bush

#Straight side plates



### Notes

- Duplex & Triplex chains are available in all sizes
- Double pitch conveyor chains are available on request
- Attachment and extended pins are available on request
- Chains with straight side plates are available
- Different sizes are available on request

### Contact

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