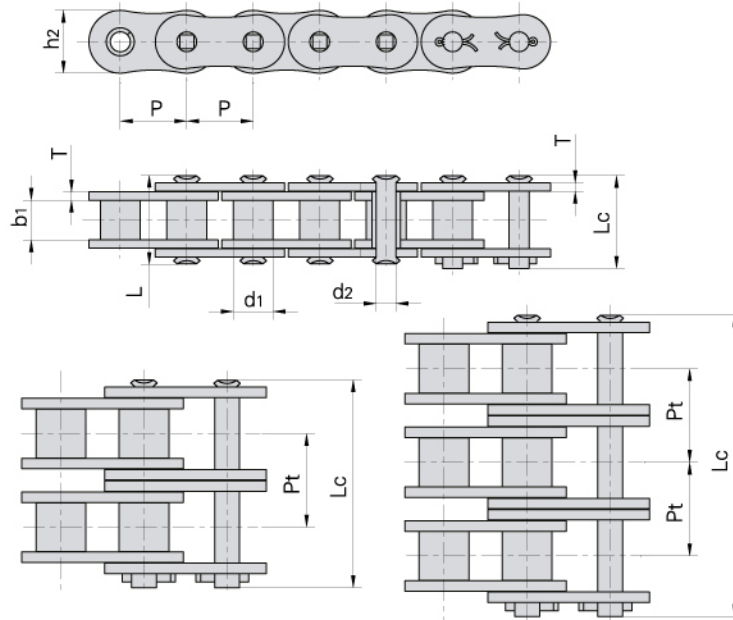


# SP series high strength short pitch roller chains

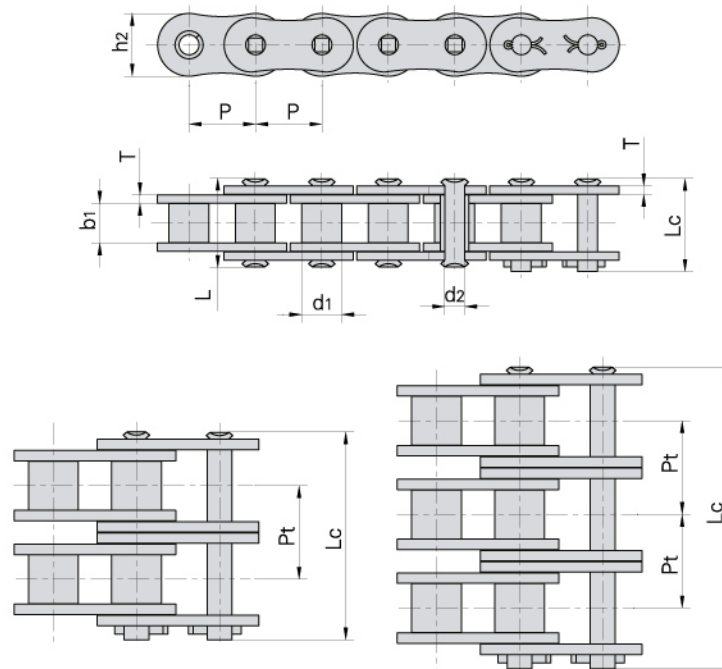
## Verstärkte Hochleistungsrollenketten (SP Serie)



| Donghua Chain No.<br>Donghua Ketten Nr. | Pitch   | Roller diameter     | Width between inner plates | Pin diameter        | Pin length   |        | Inner plate depth  | Plate thickness    | Transverse pitch | Ultimate tensile strength | Average tensile strength | Weight per meter      |         |
|---|---------|---------------------|----------------------------|---------------------|--------------|--------|--------------------|--------------------|------------------|---------------------------|--------------------------|-----------------------|---------|
|   | Teilung | Rollen-durch-messer | Innere Breite              | Bolzen-durch-messer | Bolzen-länge | L max  | Lc max             | Innen-laschen-höhe | Laschen-dicke    | Mitten-abstand            | Min. Bruchkraft          | Durchschn. Bruchkraft | Gewicht |
|   | P       | d <sub>1</sub> max  | b <sub>1</sub> min         | d <sub>2</sub> max  | L max        | Lc max | h <sub>2</sub> max | T                  | Pt               | Q min                     | Q <sub>0</sub>           | q                     |         |
|   | mm      | mm                  | mm                         | mm                  | mm           | mm     | mm                 | mm                 | mm               | kN/LB                     | kN                       | kg/m                  |         |
| 80SP-1                                  | 25.40   | 15.88               | 15.75                      | 7.94                | 32.7         | 36.5   | 24.1               | 3.2                | -                | 77.5/17434                | 85.3                     | 2.86                  |         |
| 100SP-1                                 | 31.75   | 19.05               | 18.95                      | 9.54                | 40.4         | 44.7   | 30.1               | 4.0                | -                | 115.5/25982               | 127.0                    | 4.21                  |         |
| 120SP-1                                 | 38.10   | 22.23               | 25.22                      | 11.11               | 50.3         | 54.3   | 36.2               | 4.8                | -                | 165.0/37118               | 186.0                    | 6.36                  |         |
| 140SP-1                                 | 44.45   | 25.40               | 25.22                      | 12.71               | 54.4         | 59.0   | 42.2               | 5.6                | -                | 222.7/50098               | 245.0                    | 8.04                  |         |
| 160SP-1                                 | 50.80   | 28.58               | 31.55                      | 14.29               | 64.8         | 69.6   | 48.2               | 6.4                | -                | 285.5/64215               | 314.0                    | 10.80                 |         |
| 200SP-1                                 | 63.50   | 39.68               | 37.85                      | 19.85               | 80.3         | 87.2   | 60.3               | 8.0                | -                | 445.5/100208              | 490.0                    | 18.00                 |         |
| 80SP-2                                  | 25.40   | 15.88               | 15.75                      | 7.94                | 62.7         | 65.8   | 24.1               | 3.2                | 29.29            | 155.0/34868               | 170.6                    | 5.68                  |         |
| 100SP-2                                 | 31.75   | 19.05               | 18.95                      | 9.54                | 76.4         | 80.5   | 30.1               | 4.0                | 35.76            | 231.0/51965               | 255.0                    | 8.34                  |         |
| 120SP-2                                 | 38.10   | 22.23               | 25.22                      | 11.11               | 95.8         | 99.7   | 36.2               | 4.8                | 45.44            | 339.0/76260               | 373.0                    | 12.63                 |         |
| 140SP-2                                 | 44.45   | 25.40               | 25.22                      | 12.71               | 103.3        | 107.9  | 42.2               | 5.6                | 48.87            | 445.5/100218              | 490.0                    | 15.92                 |         |
| 160SP-2                                 | 50.80   | 28.58               | 31.55                      | 14.29               | 123.3        | 128.1  | 48.2               | 6.4                | 58.55            | 571.0/128430              | 628.0                    | 21.43                 |         |
| 200SP-2                                 | 63.50   | 39.68               | 37.85                      | 19.85               | 151.9        | 158.8  | 60.3               | 8.0                | 71.55            | 892.0/200621              | 981.0                    | 35.00                 |         |
| 80SP-3                                  | 25.40   | 15.88               | 15.75                      | 7.94                | 91.7         | 95.1   | 24.1               | 3.2                | 29.29            | 232.5/52302               | 255.9                    | 8.18                  |         |
| 100SP-3                                 | 31.75   | 19.05               | 18.95                      | 9.54                | 112.2        | 116.3  | 30.1               | 4.0                | 35.76            | 347.3/78128               | 382.0                    | 12.47                 |         |
| 120SP-3                                 | 38.10   | 22.23               | 25.22                      | 11.11               | 141.4        | 145.2  | 36.2               | 4.8                | 45.44            | 508.0/114278              | 559.0                    | 18.90                 |         |
| 140SP-3                                 | 44.45   | 25.40               | 25.22                      | 12.71               | 152.2        | 156.8  | 42.2               | 5.6                | 48.87            | 668.0/150271              | 735.0                    | 23.84                 |         |
| 160SP-3                                 | 50.80   | 28.58               | 31.55                      | 14.29               | 181.8        | 186.6  | 48.2               | 6.4                | 58.55            | 855.5/192441              | 941.0                    | 32.10                 |         |
| 200SP-3                                 | 63.50   | 39.68               | 37.85                      | 19.85               | 223.5        | 230.4  | 60.3               | 8.0                | 71.55            | 1336.4/300633             | 1470.0                   | 52.50                 |         |

# SP series high strength heavy duty short pitch roller chains

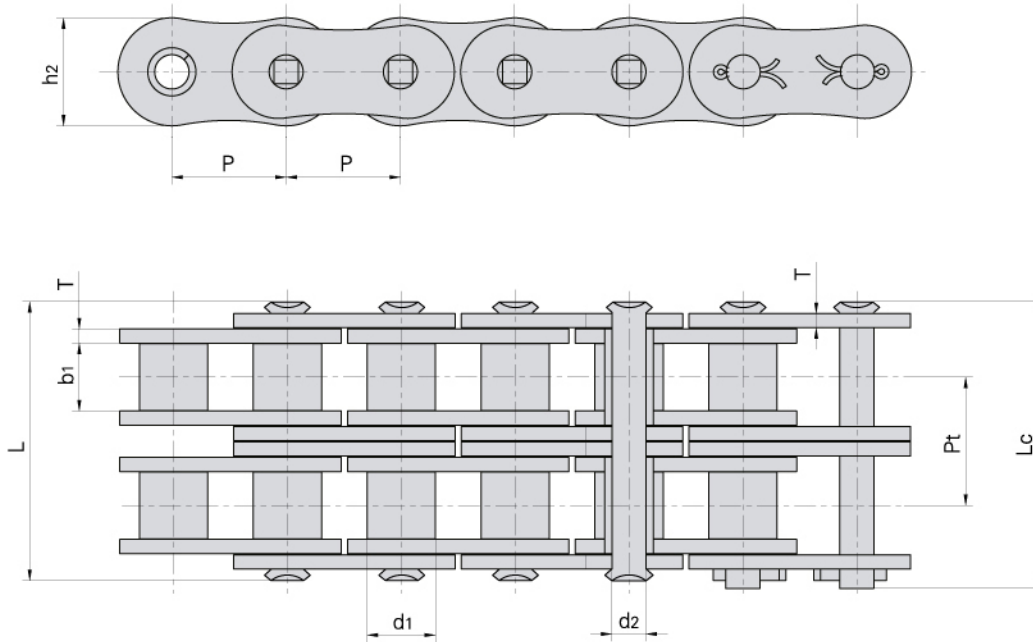
## Verstärkte Hochleistungsrollenketten (SP Serie)



| Donghua Chain No.<br>Donghua Ketten Nr. | Pitch   | Roller diameter    | Width between inner plates | Pin diameter       | Pin length |        | Inner plate depth  | Plate thickness | Transverse pitch | Ultimate tensile strength | Average tensile strength | Weight per meter |
|---|---------|--------------------|----------------------------|--------------------|------------|--------|--------------------|-----------------|------------------|---------------------------|--------------------------|------------------|
|   | Teilung | Rollen-durchmesser | Innere Breite              | Bolzen-durchmesser | L          | Lc     | Innen-laschen-höhe | Laschen-dicke   | Mitten-abstand   | Min. Bruchkraft           | Durchschn. Bruchkraft    | Gewicht          |
|   | P       | d1 max             | b1 min                     | d2 max             | L max      | Lc max | h2 max             | T               | Pt               | Q min                     | Q0                       | q                |
|   | mm      | mm                 | mm                         | mm                 | mm         | mm     | mm                 | mm              | mm               | kN/LB                     | kN                       | kg/m             |
| 80HSP-1                                 | 25.40   | 15.88              | 15.75                      | 7.94               | 36.2       | 38.9   | 24.1               | 4.0             | -                | 89.2/20066                | 98.1                     | 3.36             |
| 100HSP-1                                | 31.75   | 19.05              | 18.95                      | 9.54               | 43.6       | 46.9   | 30.1               | 4.8             | -                | 131.8/29649               | 145.0                    | 4.90             |
| 120HSP-1                                | 38.10   | 22.23              | 25.22                      | 11.11              | 53.5       | 57.5   | 36.2               | 5.6             | -                | 176.0/39592               | 196.0                    | 7.12             |
| 140HSP-1                                | 44.45   | 25.40              | 25.22                      | 12.71              | 57.6       | 62.2   | 42.2               | 6.4             | -                | 231.9/52149               | 255.0                    | 8.88             |
| 160HSP-1                                | 50.80   | 28.58              | 31.55                      | 14.29              | 68.2       | 73.0   | 48.2               | 7.2             | -                | 294.5/66260               | 324.0                    | 11.72            |
| 200HSP-1                                | 63.50   | 39.68              | 37.85                      | 19.85              | 86.6       | 93.5   | 60.3               | 9.5             | -                | 543.6/122295              | 598.0                    | 19.80            |
| 80HSP-2                                 | 25.40   | 15.88              | 15.75                      | 7.94               | 68.8       | 72.0   | 24.1               | 4.0             | 32.59            | 178.4/40132               | 196.2                    | 6.65             |
| 100HSP-2                                | 31.75   | 19.05              | 18.95                      | 9.54               | 82.7       | 86.0   | 30.1               | 4.8             | 39.09            | 263.6/59299               | 290.0                    | 9.71             |
| 120HSP-2                                | 38.10   | 22.23              | 25.22                      | 11.11              | 102.4      | 106.4  | 36.2               | 5.6             | 48.87            | 356.4/80175               | 392.0                    | 14.12            |
| 140HSP-2                                | 44.45   | 25.40              | 25.22                      | 12.71              | 109.8      | 114.4  | 42.2               | 6.4             | 52.20            | 463.6/104300              | 510.0                    | 17.38            |
| 160HSP-2                                | 50.80   | 28.58              | 31.55                      | 14.29              | 130.1      | 134.9  | 48.2               | 7.2             | 61.90            | 588.0/132275              | 647.0                    | 23.00            |
| 200HSP-2                                | 63.50   | 39.68              | 37.85                      | 19.85              | 164.9      | 171.8  | 60.3               | 9.5             | 78.31            | 1091.0/245429             | 1200.0                   | 38.50            |
| 80HSP-3                                 | 25.40   | 15.88              | 15.75                      | 7.94               | 101.4      | 104.6  | 24.1               | 4.0             | 32.59            | 267.6/60200               | 294.3                    | 9.95             |
| 100HSP-3                                | 31.75   | 19.05              | 18.95                      | 9.54               | 121.8      | 125.1  | 30.1               | 4.8             | 39.09            | 395.4/88948               | 435.0                    | 14.53            |
| 120HSP-3                                | 38.10   | 22.23              | 25.22                      | 11.11              | 151.2      | 155.2  | 36.2               | 5.6             | 48.87            | 534.5/120250              | 588.0                    | 21.12            |
| 140HSP-3                                | 44.45   | 25.40              | 25.22                      | 12.71              | 162.0      | 166.6  | 42.2               | 6.4             | 52.20            | 695.5/156448              | 765.0                    | 25.88            |
| 160HSP-3                                | 50.80   | 28.58              | 31.55                      | 14.29              | 192.0      | 196.8  | 48.2               | 7.2             | 61.90            | 882.7/198576              | 971.0                    | 34.22            |
| 200HSP-3                                | 63.50   | 39.68              | 37.85                      | 19.85              | 243.2      | 250.1  | 60.3               | 9.5             | 78.31            | 1627.3/366073             | 1790.0                   | 57.29            |

# SP series high strength short pitch roller chains

## Verstärkte Hochleistungsrollenketten (SP Serie)



| Donghua Chain No.<br>Donghua Ketten Nr. | Pitch   | Roller diameter     | Width between inner plates | Pin diameter        | Pin length   |                    | Inner plate depth | Plate thickness | Transverse pitch | Ultimate tensile strength | Average tensile strength | Weight per meter |
|---|---------|---------------------|----------------------------|---------------------|--------------|--------------------|-------------------|-----------------|------------------|---------------------------|--------------------------|------------------|
|   | Teilung | Rollen-durch-messer | Innere Breite              | Bolzen-durch-messer | Bolzen-länge | Innen-laschen-höhe | Laschen-dicke     | Mitten-abstand  | Min. Bruchkraft  | Durchschn. Bruchkraft     | Gewicht                  |                  |
|   | P       | d1 max              | b1 min                     | d2 max              | L max        | Lc max             | h2 max            | T               | Pt               | Q min                     | Q0                       | q                |
|   | mm      | mm                  | mm                         | mm                  | mm           | mm                 | mm                | mm              | mm               | kN/LB                     | kN                       | kg/m             |
| 80SPE-2                                 | 25.40   | 15.88               | 15.75                      | 7.94                | 62.7         | 65.8               | 24.1              | 3.2             | 29.29            | 155.0/34868               | 170.6                    | 5.68             |
| 100SPE-2                                | 31.75   | 19.05               | 18.95                      | 9.54                | 76.4         | 80.5               | 30.1              | 4.0             | 35.76            | 231.0/51965               | 255.0                    | 8.34             |
| 120SPE-2                                | 38.10   | 22.23               | 25.22                      | 11.11               | 95.8         | 99.7               | 36.2              | 4.8             | 45.44            | 339.0/76260               | 373.0                    | 12.63            |
| 140SPE-2                                | 44.45   | 25.40               | 25.22                      | 12.71               | 103.3        | 107.9              | 42.2              | 5.6             | 48.87            | 445.5/100218              | 490.0                    | 15.92            |
| 160SPE-2                                | 50.80   | 28.58               | 31.55                      | 14.29               | 123.3        | 128.1              | 48.2              | 6.4             | 58.55            | 571.0/128430              | 628.0                    | 21.43            |
| 200SPE-2                                | 63.50   | 39.68               | 37.85                      | 19.85               | 151.9        | 158.8              | 60.3              | 8.0             | 71.55            | 892.0/200621              | 981.0                    | 35.00            |
| 80HSPE-2                                | 25.40   | 15.88               | 15.75                      | 7.94                | 68.8         | 72.0               | 24.1              | 4.0             | 32.59            | 178.4/40132               | 196.2                    | 6.65             |
| 100HSPE-2                               | 31.75   | 19.05               | 18.95                      | 9.54                | 82.7         | 86.0               | 30.1              | 4.8             | 39.09            | 263.6/59299               | 290.0                    | 9.71             |
| 120HSPE-2                               | 38.10   | 22.23               | 25.22                      | 11.11               | 102.4        | 106.4              | 36.2              | 5.6             | 48.87            | 356.4/80175               | 392.0                    | 14.12            |
| 140HSPE-2                               | 44.45   | 25.40               | 25.22                      | 12.71               | 109.8        | 114.4              | 42.2              | 6.4             | 52.20            | 463.6/104300              | 510.0                    | 17.38            |
| 160HSPE-2                               | 50.80   | 28.58               | 31.55                      | 14.29               | 130.1        | 134.9              | 48.2              | 7.2             | 61.90            | 588.0/132275              | 647.0                    | 23.00            |
| 200HSPE-2                               | 63.50   | 39.68               | 37.85                      | 19.85               | 164.9        | 171.8              | 60.3              | 9.5             | 78.31            | 1091.0/245429             | 1200.0                   | 38.50            |

Note: central plates are press fit assembly.  
Hinweis: Zwischenlaschen werden mit Presssitz montiert.