



| Specifications | | | |
|-------------------------|-------------------------|------------|-------------------------|
| Item | Worm | Worm Gear | Worm Gear Hub |
| Hand of Helix | Right | Right | - |
| Material | 42CrMo or 38CrMoAl | ZCuSn10Pb1 | C45 |
| Heat Treatment | Quenching and Tempering | - | Quenching and tempering |
| Tooth Surface Treatment | Nitriding | - | - |
| Tooth Surface Finish | Ground | Cut | - |
| Tooth Hardness | HRC55-60 | HBW885 | HB240-270 |
| Precision Grade | GB 7 | GB 7 | - |

Rated Power and Torques of Worms and Worm Sets

| Ratio | n ₁ | n ₂ | P _{1N} | T _{2N} | η |
|-------|----------------|----------------|-----------------|-----------------|------|
| | rpm | rpm | KW | N.m | % |
| 10 | 1500 | 150 | 105 | 6284 | 94 |
| | 1000 | 100 | 97 | 8708 | 94 |
| | 750 | 75 | 81.6 | 9663 | 93 |
| | 500 | 50 | 65.7 | 11419 | 91 |
| 12.5 | 1500 | 120 | 92 | 6846 | 93.5 |
| | 1000 | 80 | 82.2 | 9175 | 93.5 |
| | 750 | 60 | 67.5 | 9884 | 92 |
| | 500 | 40 | 51.5 | 11066 | 90 |
| 16 | 1500 | 94 | 77.9 | 7301 | 92 |
| | 1000 | 63 | 70.6 | 9925 | 92 |
| | 750 | 47 | 57.1 | 10586 | 91 |
| | 500 | 31 | 44.2 | 11887 | 88 |
| 20 | 1500 | 75 | 65.7 | 7529 | 90 |
| | 1000 | 50 | 56.5 | 9712 | 90 |
| | 750 | 38 | 46.6 | 10621 | 89.5 |
| | 500 | 25 | 36.2 | 11892 | 86 |
| 25 | 1500 | 60 | 54 | 7607 | 88.5 |
| | 1000 | 40 | 46 | 9720 | 88.5 |
| | 750 | 30 | 39.3 | 10884 | 87 |
| | 500 | 20 | 29.5 | 11832 | 84 |
| 31.5 | 1500 | 48 | 43.6 | 7345 | 84 |
| | 1000 | 32 | 38 | 9602 | 84 |
| | 750 | 24 | 28.2 | 9388 | 83 |
| | 500 | 16 | 24.5 | 11498 | 78 |
| 40 | 1500 | 38 | 35.6 | 7253 | 80 |
| | 1000 | 25 | 29.5 | 9015 | 80 |
| | 750 | 19 | 25.8 | 10381 | 79 |
| | 500 | 13 | 19 | 10887 | 75 |
| 50 | 1500 | 30 | 28.8 | 7059 | 77 |
| | 1000 | 20 | 25.2 | 9265 | 77 |
| | 750 | 15 | 20.9 | 10113 | 76 |
| | 500 | 10 | 16 | 11002 | 72 |
| 63 | 1500 | 24 | 23.3 | 6916 | 74 |
| | 1000 | 16 | 20.9 | 9305 | 74 |
| | 750 | 12 | 19 | 11127 | 73 |
| | 500 | 8 | 12.9 | 10711 | 69 |

Note:
 1 All dimensions are in mm.
 2 Dimensions and other engineering data are subject to change. Certified specifications are available on request.