



| 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 | 448 | 27097 | 95 |
| | 1000 | 100 | 413 | 37469 | 95 |
| | 750 | 75 | 348 | 41653 | 94 |
| | 500 | 50 | 280 | 49202 | 92 |
| 12.5 | 1500 | 120 | 392 | 29481 | 94.5 |
| | 1000 | 80 | 351 | 39596 | 94.5 |
| | 750 | 60 | 288 | 42631 | 93 |
| | 500 | 40 | 220 | 47798 | 91 |
| 16 | 1500 | 94 | 332 | 31452 | 93 |
| | 1000 | 63 | 301 | 42773 | 93 |
| | 750 | 47 | 243 | 45547 | 92 |
| | 500 | 31 | 188 | 51133 | 89 |
| 20 | 1500 | 75 | 280 | 32445 | 91 |
| | 1000 | 50 | 241 | 41888 | 91 |
| | 750 | 38 | 199 | 45611 | 90 |
| | 500 | 25 | 154 | 51180 | 87 |
| 25 | 1500 | 60 | 230 | 32581 | 89 |
| | 1000 | 40 | 196 | 41648 | 89 |
| | 750 | 30 | 167 | 46782 | 88 |
| | 500 | 20 | 126 | 51140 | 85 |
| 31.5 | 1500 | 48 | 186 | 31707 | 85 |
| | 1000 | 32 | 162 | 41424 | 85 |
| | 750 | 24 | 120 | 40431 | 84 |
| | 500 | 16 | 105 | 49907 | 79 |
| 40 | 1500 | 38 | 152 | 31355 | 81 |
| | 1000 | 25 | 126 | 38987 | 81 |
| | 750 | 19 | 110 | 44821 | 80 |
| | 500 | 13 | 81.1 | 47090 | 76 |
| 50 | 1500 | 30 | 123 | 30541 | 78 |
| | 1000 | 20 | 107 | 39852 | 78 |
| | 750 | 15 | 88.9 | 43582 | 77 |
| | 500 | 10 | 68 | 47406 | 73 |
| 63 | 1500 | 24 | 99.4 | 29902 | 75 |
| | 1000 | 16 | 88.9 | 40115 | 75 |
| | 750 | 12 | 81.1 | 48143 | 74 |
| | 500 | 8 | 54.9 | 46243 | 70 |

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