

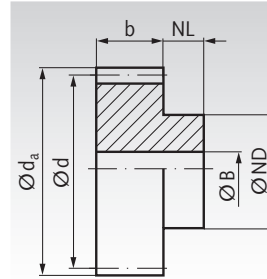
Spur Gears Made from Brass and Steel with One-Sided Hub, Helical Tooth System

Material: Module 0,3/0,5: Brass Ms58 (2.0401).
 Module 1,0: Steel 11SMnPb30+SH (1.0718).

20° helical tooth system. Pressure angle 20°. Milled teeth.

These gears are designed to be used in combination with the helical-toothed gear racks page 259. If this gear is used to drive a mating gear instead, this mating gear must have the same lead angle and the opposite tooth direction (left hand).

Ordering Details: e.g.:
 Product No. 269 012 00, Spur Gear, Helical Tooth System, Module 0.3,
 12 Teeth Right Hand



Photos: right hand

Module 0.3 from Ms58 (2.0401) Tooth Width b = 5 mm

| Product No. Right Hand | Number of teeth | b mm | d _a mm | d mm | NL mm | ND mm | BH7 mm | perm. MT* Ncm | Weight g |
|---------------------------|--------------------|---------|----------------------|---------|----------|----------|-----------|------------------|-------------|
| 269 012 00 | 12 | 5 | 4,4 | 3,83 | 4 | 3 | 2,0 | 0,7 | 0,5 |
| 269 015 00 | 15 | 5 | 5,4 | 4,79 | 4 | 4 | 2,5 | 1,0 | 0,7 |
| 269 018 00 | 18 | 5 | 6,4 | 5,75 | 4 | 5 | 3 | 1,6 | 1,2 |
| 269 020 00 | 20 | 5 | 7,0 | 6,39 | 4 | 6 | 3,5 | 2,0 | 1,4 |
| 269 024 00 | 24 | 5 | 8,3 | 7,66 | 4 | 7 | 4,5 | 3,0 | 1,9 |
| 269 030 00 | 30 | 5 | 10,2 | 9,58 | 5 | 9 | 5 | 5,0 | 4,0 |

Module 0.5 from Ms58 (2.0401) Tooth Width b = 10 mm

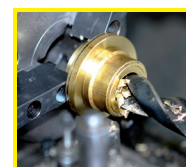
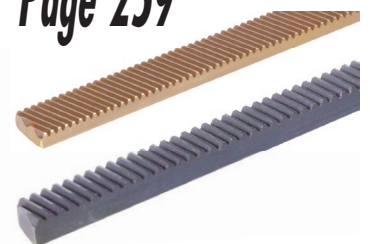
| Product No. Right Hand | Number of teeth | b mm | d _a mm | d mm | NL mm | ND mm | BH7 mm | perm. MT* Ncm | Weight g |
|---------------------------|--------------------|---------|----------------------|---------|----------|----------|-----------|------------------|-------------|
| 269 218 00 | 18 | 10 | 10,6 | 9,58 | 6 | 8 | 4 | 9,6 | 6,7 |
| 269 222 00 | 22 | 10 | 12,7 | 11,71 | 6 | 10 | 6 | 15,0 | 9,6 |
| 269 225 00 | 25 | 10 | 14,3 | 13,30 | 6 | 12 | 6 | 20,5 | 17,6 |
| 269 230 00 | 30 | 10 | 17,0 | 15,96 | 6 | 14 | 8 | 31,0 | 24,3 |
| 269 234 00 | 34 | 10 | 19,1 | 18,09 | 6 | 16 | 8 | 42,0 | 27,0 |
| 269 240 00 | 40 | 10 | 22,3 | 21,28 | 8 | 18 | 8 | 60,0 | 38,0 |

Module 1 from Steel 11SMnPb30+SH Tooth Width b = 10 mm

| Product No. Right Hand | Product No. Left Hand | Number of teeth | b mm | d _a mm | d mm | NL mm | ND mm | BH7 mm | perm. MT* Ncm | Weight g |
|---------------------------|--------------------------|--------------------|---------|----------------------|---------|----------|----------|-----------|------------------|-------------|
| 214 210 00 | 214 310 00 | 10 | 10 | 12,6 | 10,64 | 6 | 8 | 4 | 11 | 7,3 |
| 214 215 00 | 214 315 00 | 15 | 10 | 18,0 | 15,96 | 6 | 12 | 5 | 26 | 17,9 |
| 214 218 00 | 214 318 00 | 18 | 10 | 21,2 | 19,16 | 6 | 12 | 5 | 39 | 24,4 |
| 214 220 00 | 214 320 00 | 20 | 10 | 23,3 | 21,28 | 6 | 15 | 5 | 50 | 32,5 |
| 214 224 00 | 214 324 00 | 24 | 10 | 27,5 | 25,54 | 6 | 15 | 5 | 78 | 44,4 |
| 214 225 00 | 214 325 00 | 25 | 10 | 28,6 | 26,60 | 6 | 15 | 5 | 85 | 47,8 |
| 214 230 00 | 214 330 00 | 30 | 10 | 33,9 | 31,93 | 6 | 15 | 5 | 131 | 66,9 |
| 214 236 00 | 214 336 00 | 36 | 10 | 40,3 | 38,31 | 6 | 18 | 6 | 201 | 96,9 |
| 214 240 00 | 214 340 00 | 40 | 10 | 44,6 | 42,57 | 6 | 18 | 6 | 258 | 118,3 |
| 214 250 00 | 214 350 00 | 50 | 10 | 55,2 | 53,21 | 8 | 18 | 6 | 436 | 184,4 |

*Basis of calculations see page 197.

**Helical Tooth
Gear racks
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