

Stirnräder mit geschliffenen Zahnflanken, geradeverzahnt

Spur Gears with Straight Ground Teeth

Modul | module **2,0**

Verzahnungsqualität | toothing quality **7 e25**

geradverzahnt | straight teeth

Eingriffswinkel | pressure angle **20°**

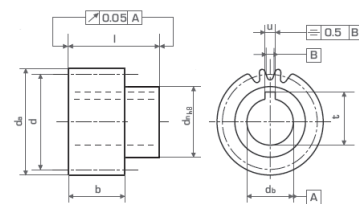
einsatzgehärtet | case hardened

Material | material **1.7131**

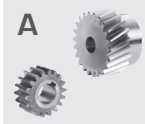
[16MnCr5]

| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 16 | 36,0 | 32,0 | 15 | 25 | 28 | 30 | 5 | 17,3 | 113-120-516 |
| 18 | 40,0 | 36,0 | 20 | 25 | 28 | 30 | 6 | 22,8 | 113-220-018 |
| 20 | 44,0 | 40,0 | 20 | 30 | 28 | 30 | 6 | 22,8 | 113-220-020 |
| 22 | 48,0 | 44,0 | 15 | 25 | 28 | 30 | 5 | 17,3 | 113-120-522 |
| 22 | 48,0 | 44,0 | 20 | 30 | 28 | 30 | 6 | 22,8 | 113-220-022 |
| 22 | 48,0 | 44,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-220-522 |
| 25 | 54,0 | 50,0 | 20 | 30 | 28 | 30 | 6 | 22,8 | 113-220-025 |
| 25 | 54,0 | 50,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-220-525 |
| 25 | 54,0 | 50,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-320-025 |
| 28 | 60,0 | 56,0 | 20 | 30 | 28 | 30 | 6 | 22,8 | 113-220-028 |
| 28 | 60,0 | 56,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-220-528 |
| 28 | 60,0 | 56,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-320-028 |
| 28 | 60,0 | 56,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-320-528 |
| 32 | 68,0 | 64,0 | 20 | 30 | 28 | 30 | 6 | 22,8 | 113-220-032 |
| 32 | 68,0 | 64,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-220-532 |
| 32 | 68,0 | 64,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-320-032 |
| 32 | 68,0 | 64,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-320-532 |
| 36 | 76,0 | 72,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-220-536 |
| 36 | 76,0 | 72,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-320-036 |
| 36 | 76,0 | 72,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-320-536 |
| 36 | 76,0 | 72,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-420-536 |
| 40 | 84,0 | 80,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-220-540 |
| 40 | 84,0 | 80,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-320-040 |
| 40 | 84,0 | 80,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-320-540 |
| 40 | 84,0 | 80,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-420-540 |
| 45 | 94,0 | 90,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-320-545 |
| 45 | 94,0 | 90,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-420-545 |
| 50 | 104,0 | 100,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-320-550 |
| 50 | 104,0 | 100,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-420-550 |

mit Nabe | with hub

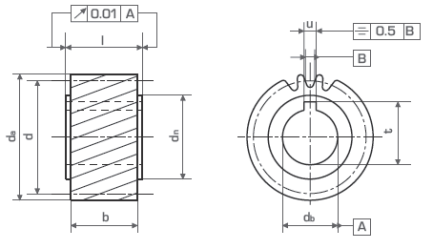


| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 20 | 44,0 | 40,0 | 19 | 30 | 28 | 56 | 6 | 21,8 | 115-120-920 |
| 20 | 44,0 | 40,0 | 22 | 36 | 28 | 56 | 6 | 24,8 | 115-220-220 |
| 22 | 48,0 | 44,0 | 19 | 30 | 28 | 56 | 6 | 21,8 | 115-120-922 |
| 22 | 48,0 | 44,0 | 22 | 36 | 28 | 56 | 6 | 24,8 | 115-220-222 |
| 25 | 54,0 | 50,0 | 16 | 30 | 28 | 54 | 5 | 18,3 | 115-120-625 |
| 25 | 54,0 | 50,0 | 19 | 30 | 28 | 56 | 6 | 21,8 | 115-120-925 |
| 25 | 54,0 | 50,0 | 22 | 36 | 28 | 56 | 6 | 24,8 | 115-220-225 |
| 28 | 60,0 | 56,0 | 19 | 30 | 28 | 56 | 6 | 21,8 | 115-120-928 |
| 28 | 60,0 | 56,0 | 30 | 50 | 28 | 60 | 8 | 33,3 | 115-320-028 |
| 32 | 68,0 | 64,0 | 16 | 30 | 28 | 54 | 5 | 18,3 | 115-120-632 |
| 32 | 68,0 | 64,0 | 22 | 36 | 28 | 56 | 6 | 24,8 | 115-220-232 |
| 32 | 68,0 | 64,0 | 30 | 50 | 28 | 60 | 8 | 33,3 | 115-320-032 |
| 32 | 68,0 | 64,0 | 32 | 55 | 28 | 65 | 10 | 35,3 | 115-320-232 |
| 36 | 76,0 | 72,0 | 40 | 62 | 28 | 65 | 12 | 43,3 | 115-420-036 |
| 40 | 84,0 | 80,0 | 32 | 55 | 28 | 65 | 10 | 35,3 | 115-320-240 |
| 40 | 84,0 | 80,0 | 40 | 62 | 28 | 65 | 12 | 43,3 | 115-420-040 |
| 40 | 84,0 | 80,0 | 45 | 68 | 28 | 65 | 14 | 48,8 | 115-420-540 |
| 50 | 104,0 | 100,0 | 45 | 68 | 28 | 65 | 14 | 48,8 | 115-420-550 |



Stirnräder mit geschliffenen Zahnflanken, schrägverzahnt

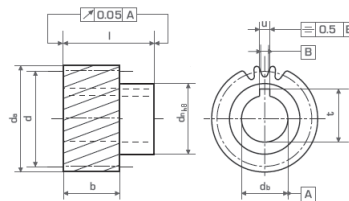
Spur Gears with Ground Teeth, Helical



Modul | module **2,0**
 Verzahnungsqualität | toothing quality **7 e25**
 schrägverzahnt, linkssteigend | helical, left hand
 Schrägungswinkel | helix angle **19° 31' 42''**
 Eingriffswinkel | pressure angle **20°**
 einsatzgehärtet | case hardened
 Material | material **1.7131 [16MnCr5]**

| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 20 | 46,4 | 42,44 | 20 | 30 | 28 | 30 | 6 | 22,8 | 123-220-020 |
| 25 | 57,1 | 53,05 | 20 | 30 | 28 | 30 | 6 | 22,8 | 123-220-025 |
| 25 | 57,1 | 53,05 | 25 | 36 | 28 | 30 | 8 | 28,3 | 123-220-525 |
| 28 | 63,4 | 59,42 | 35 | 48 | 28 | 30 | 10 | 38,3 | 123-320-528 |
| 30 | 67,7 | 63,66 | 25 | 36 | 28 | 30 | 8 | 28,3 | 123-220-530 |
| 30 | 67,7 | 63,66 | 30 | 45 | 28 | 30 | 8 | 33,3 | 123-320-030 |
| 32 | 71,9 | 67,91 | 20 | 30 | 28 | 30 | 6 | 22,8 | 123-220-032 |
| 32 | 71,9 | 67,91 | 25 | 36 | 28 | 30 | 8 | 28,3 | 123-220-532 |
| 32 | 71,9 | 67,91 | 35 | 48 | 28 | 30 | 10 | 38,3 | 123-320-532 |
| 36 | 80,4 | 76,39 | 35 | 48 | 28 | 30 | 10 | 38,3 | 123-320-536 |
| 40 | 88,9 | 84,88 | 35 | 48 | 28 | 30 | 10 | 38,3 | 123-320-540 |

mit Nabe | with hub



| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 20 | 46,4 | 42,44 | 19 | 30 | 28 | 56 | 6 | 21,8 | 125-120-920 |
| 20 | 46,4 | 42,44 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-220-220 |
| 21 | 48,6 | 44,56 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-220-221 |
| 22 | 50,6 | 46,69 | 19 | 30 | 28 | 56 | 6 | 21,8 | 125-120-922 |
| 22 | 50,6 | 46,69 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-220-222 |
| 25 | 57,0 | 53,05 | 19 | 30 | 28 | 56 | 6 | 21,8 | 125-120-925 |
| 25 | 57,0 | 53,05 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-220-225 |
| 28 | 63,4 | 59,42 | 19 | 30 | 28 | 56 | 6 | 21,8 | 125-120-928 |
| 28 | 63,4 | 59,42 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-220-228 |
| 30 | 67,7 | 63,66 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-220-230 |
| 30 | 67,7 | 63,66 | 30 | 50 | 28 | 60 | 8 | 33,3 | 125-320-030 |
| 30 | 67,7 | 63,66 | 32 | 55 | 28 | 65 | 10 | 35,3 | 125-320-230 |
| 32 | 71,9 | 67,91 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-220-232 |
| 39 | 86,8 | 82,76 | 32 | 55 | 28 | 65 | 10 | 35,3 | 125-320-239 |

Stirnräder mit geschliffenen Zahnflanken, geradeverzahnt

Spur Gears with Straight Ground Teeth

Modul | module **3,0**

Verzahnungsqualität | toothing quality **7 e25**

geradverzahnt | straight teeth **20°**

Eingriffswinkel | pressure angle

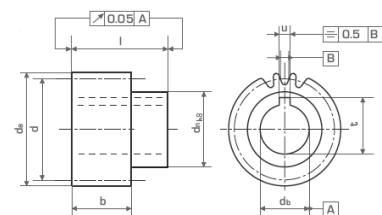
einsatzgehärtet | case hardened

Material | material **1.7131**

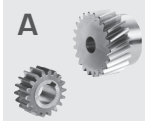
[16MnCr5]

| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 18 | 60,0 | 54,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-230-518 |
| 20 | 66,0 | 60,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-230-520 |
| 20 | 66,0 | 60,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-330-020 |
| 20 | 66,0 | 60,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-330-520 |
| 22 | 72,0 | 66,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-230-522 |
| 22 | 72,0 | 66,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-330-022 |
| 22 | 72,0 | 66,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-330-522 |
| 25 | 81,0 | 75,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-230-525 |
| 25 | 81,0 | 75,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-330-025 |
| 25 | 81,0 | 75,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-330-525 |
| 25 | 81,0 | 75,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-430-525 |
| 28 | 90,0 | 84,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-230-528 |
| 28 | 90,0 | 84,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-330-028 |
| 28 | 90,0 | 84,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-330-528 |
| 28 | 90,0 | 84,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-430-528 |
| 32 | 102,0 | 96,0 | 25 | 36 | 28 | 30 | 8 | 28,3 | 113-230-532 |
| 32 | 102,0 | 96,0 | 30 | 45 | 28 | 30 | 8 | 33,3 | 113-330-032 |
| 32 | 102,0 | 96,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-330-532 |
| 32 | 102,0 | 96,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-430-532 |
| 36 | 114,0 | 108,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-330-536 |
| 36 | 114,0 | 108,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-430-536 |
| 40 | 126,0 | 120,0 | 35 | 48 | 28 | 30 | 10 | 38,3 | 113-330-540 |
| 40 | 126,0 | 120,0 | 45 | 58 | 28 | 30 | 14 | 48,8 | 113-430-540 |

mit Nabe | with hub

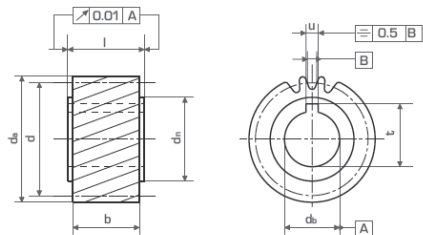


| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 22 | 72,0 | 66,0 | 22 | 36 | 28 | 56 | 6 | 24,8 | 115-230-222 |
| 22 | 72,0 | 66,0 | 25 | 44 | 28 | 60 | 8 | 28,3 | 115-230-522 |
| 22 | 72,0 | 66,0 | 30 | 50 | 28 | 60 | 8 | 33,3 | 115-330-022 |
| 22 | 72,0 | 66,0 | 32 | 55 | 28 | 65 | 10 | 35,3 | 115-330-222 |
| 22 | 72,0 | 66,0 | 35 | 55 | 28 | 65 | 10 | 38,3 | 115-330-522 |
| 22 | 72,0 | 66,0 | 40 | 62 | 28 | 65 | 12 | 43,3 | 115-430-022 |
| 25 | 81,0 | 75,0 | 32 | 55 | 28 | 65 | 10 | 35,3 | 115-330-225 |
| 25 | 81,0 | 75,0 | 40 | 62 | 28 | 65 | 12 | 43,3 | 115-430-025 |
| 28 | 90,0 | 84,0 | 22 | 36 | 28 | 56 | 6 | 24,8 | 115-230-228 |
| 28 | 90,0 | 84,0 | 25 | 44 | 28 | 60 | 8 | 28,3 | 115-230-528 |
| 28 | 90,0 | 84,0 | 30 | 50 | 28 | 60 | 8 | 33,3 | 115-330-028 |
| 28 | 90,0 | 84,0 | 32 | 55 | 28 | 65 | 10 | 35,3 | 115-330-228 |
| 28 | 90,0 | 84,0 | 35 | 55 | 28 | 65 | 10 | 38,3 | 115-330-528 |
| 28 | 90,0 | 84,0 | 40 | 62 | 28 | 65 | 12 | 43,3 | 115-430-028 |
| 28 | 90,0 | 84,0 | 45 | 68 | 28 | 65 | 14 | 48,8 | 115-430-528 |
| 32 | 102,0 | 96,0 | 32 | 55 | 28 | 65 | 10 | 35,3 | 115-330-232 |
| 32 | 102,0 | 96,0 | 40 | 62 | 28 | 65 | 12 | 43,3 | 115-430-032 |
| 36 | 114,0 | 108,0 | 45 | 68 | 28 | 65 | 14 | 48,8 | 115-430-536 |



Stirnräder mit geschliffenen Zahnflanken, schrägverzahnt

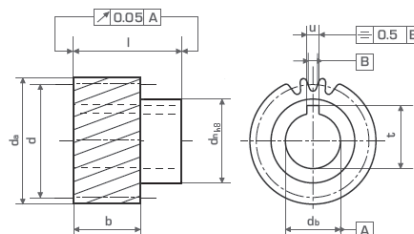
Spur Gears with Ground Teeth, Helical



Modul | module 3,0
Verzahnungsqualität | toothing quality 7 e25
 schrägverzahnt, linkssteigend | helical, left hand
 Schrägungswinkel | helix angle 19° 31' 42''
 Eingriffswinkel | pressure angle 20°
 einsatzgehärtet | case hardened
Material | material 1.7131 [16MnCr5]

| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 20 | 69,7 | 63,66 | 30 | 45 | 28 | 30 | 8 | 33,3 | 123-330-020 |
| 20 | 69,7 | 63,66 | 35 | 48 | 28 | 30 | 10 | 38,3 | 123-330-520 |
| 22 | 76,0 | 70,03 | 25 | 36 | 28 | 30 | 8 | 28,3 | 123-230-522 |
| 22 | 76,0 | 70,03 | 30 | 45 | 28 | 30 | 8 | 33,3 | 123-330-022 |
| 22 | 76,0 | 70,03 | 35 | 48 | 28 | 30 | 10 | 38,3 | 123-330-522 |
| 25 | 85,6 | 79,58 | 25 | 36 | 28 | 30 | 8 | 28,3 | 123-230-525 |
| 25 | 85,6 | 79,58 | 30 | 45 | 28 | 30 | 8 | 33,3 | 123-330-025 |
| 25 | 85,6 | 79,58 | 35 | 48 | 28 | 30 | 10 | 38,3 | 123-330-525 |

mit Nabe | with hub



| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|--------|--------|----------|-------|-----|-----|-----|------|-------------------------|
| 20 | 69,7 | 63,66 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-230-220 |
| 20 | 69,7 | 63,66 | 25 | 44 | 28 | 60 | 8 | 28,3 | 125-230-520 |
| 20 | 69,7 | 63,66 | 30 | 50 | 28 | 60 | 8 | 33,3 | 125-330-020 |
| 20 | 69,7 | 63,66 | 32 | 55 | 28 | 65 | 10 | 35,3 | 125-330-220 |
| 22 | 76,0 | 70,03 | 32 | 55 | 28 | 65 | 10 | 35,3 | 125-330-222 |
| 22 | 76,0 | 70,03 | 40 | 62 | 28 | 65 | 12 | 43,3 | 125-430-022 |
| 25 | 85,6 | 79,58 | 22 | 36 | 28 | 56 | 6 | 24,8 | 125-230-225 |
| 25 | 85,6 | 79,58 | 25 | 44 | 28 | 60 | 8 | 28,3 | 125-230-525 |
| 25 | 85,6 | 79,58 | 30 | 50 | 28 | 60 | 8 | 33,3 | 125-330-025 |
| 25 | 85,6 | 79,58 | 32 | 55 | 28 | 65 | 10 | 35,3 | 125-330-225 |
| 25 | 85,6 | 79,58 | 35 | 55 | 28 | 65 | 10 | 38,3 | 125-330-525 |
| 25 | 85,6 | 79,58 | 40 | 62 | 28 | 65 | 12 | 43,3 | 125-430-025 |
| 28 | 95,1 | 89,13 | 32 | 55 | 28 | 65 | 10 | 35,3 | 125-330-228 |
| 28 | 95,1 | 89,13 | 40 | 62 | 28 | 65 | 12 | 43,3 | 125-430-028 |
| 32 | 107,85 | 101,86 | 32 | 55 | 28 | 65 | 10 | 35,3 | 125-330-232 |
| 32 | 107,85 | 101,86 | 40 | 62 | 28 | 65 | 12 | 43,3 | 125-430-032 |

Stirnräder mit geschliffenen Zahnflanken, geradeverzahnt

Spur Gears with Straight Ground Teeth

Modul | module **4,0**

Verzahnungsqualität | toothing quality **7 e25**

geradverzahnt | straight teeth

Eingriffswinkel | pressure angle **20°**

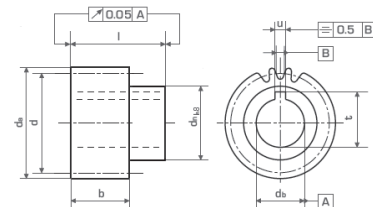
einsatzgehärtet | case hardened

Material | material **1.7131**

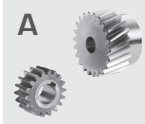
[16MnCr5]

| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 20 | 88,0 | 80,0 | 35 | 52 | 40 | 50 | 10 | 38,3 | 113-340-520 |
| 20 | 88,0 | 80,0 | 45 | 65 | 40 | 50 | 14 | 48,8 | 113-440-520 |
| 22 | 96,0 | 88,0 | 35 | 52 | 40 | 50 | 10 | 38,3 | 113-340-522 |
| 22 | 96,0 | 88,0 | 45 | 65 | 40 | 50 | 14 | 48,8 | 113-440-522 |
| 25 | 108,0 | 100,0 | 35 | 52 | 40 | 50 | 10 | 38,3 | 113-340-525 |
| 25 | 108,0 | 100,0 | 45 | 65 | 40 | 50 | 14 | 48,8 | 113-440-525 |
| 28 | 120,0 | 112,0 | 35 | 52 | 40 | 50 | 10 | 38,3 | 113-340-528 |
| 28 | 120,0 | 112,0 | 45 | 65 | 40 | 50 | 14 | 48,8 | 113-440-528 |
| 32 | 136,0 | 128,0 | 35 | 52 | 40 | 50 | 10 | 38,3 | 113-340-532 |
| 32 | 136,0 | 128,0 | 45 | 65 | 40 | 50 | 14 | 48,8 | 113-440-532 |
| 40 | 168,0 | 160,0 | 45 | 65 | 40 | 50 | 14 | 48,8 | 113-440-540 |
| 40 | 168,0 | 160,0 | 60 | 80 | 40 | 50 | 18 | 64,3 | 113-640-040 |

mit Nabe | with hub

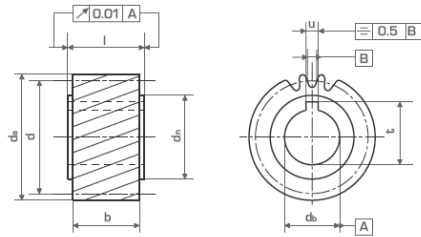


| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|-------|----------|-------|-----|-----|-----|------|-------------------------|
| 20 | 88,0 | 80,0 | 32 | 55 | 40 | 75 | 10 | 35,3 | 115-340-220 |
| 20 | 88,0 | 80,0 | 35 | 55 | 40 | 75 | 10 | 38,3 | 115-340-520 |
| 20 | 88,0 | 80,0 | 40 | 62 | 40 | 75 | 12 | 43,3 | 115-440-020 |
| 22 | 96,0 | 88,0 | 45 | 68 | 40 | 75 | 14 | 48,8 | 115-440-522 |
| 25 | 108,0 | 100,0 | 32 | 55 | 40 | 75 | 10 | 35,3 | 115-340-225 |
| 25 | 108,0 | 100,0 | 35 | 55 | 40 | 75 | 10 | 38,3 | 115-340-525 |
| 25 | 108,0 | 100,0 | 40 | 62 | 40 | 75 | 12 | 43,3 | 115-440-025 |
| 25 | 108,0 | 100,0 | 55 | 80 | 40 | 80 | 16 | 59,3 | 115-540-525 |
| 28 | 120,0 | 112,0 | 45 | 68 | 40 | 75 | 14 | 48,8 | 115-440-528 |
| 32 | 136,0 | 128,0 | 55 | 80 | 40 | 80 | 16 | 59,3 | 115-540-532 |
| 32 | 136,0 | 128,0 | 75 | 110 | 40 | 100 | 20 | 80,4 | 115-740-532 |
| 40 | 168,0 | 160,0 | 75 | 110 | 40 | 100 | 20 | 80,4 | 115-740-540 |



Stirnräder mit geschliffenen Zahnflanken, schrägverzahnt

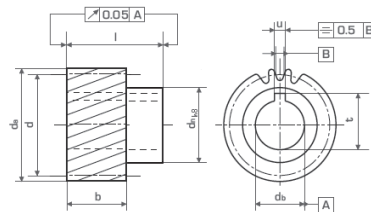
Spur Gears with Ground Teeth, Helical



Modul | module **4,0**
 Verzahnungsqualität | tooting quality **7 e25**
 schrägverzahnt, linkssteigend | helical, left hand
 Schrägungswinkel | helix angle **19° 31' 42''**
 Eingriffswinkel | pressure angle **20°**
 einsatzgehärtet | case hardened
 Material | material **1.7131**
[16MnCr5]

| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|--------|----------|-------|-----|-----|-----|------|-------------------------|
| 15 | 71,7 | 63,66 | 35 | 48 | 40 | 50 | 10 | 38,3 | 123-340-515 |
| 20 | 92,9 | 84,88 | 35 | 48 | 40 | 50 | 10 | 38,3 | 123-340-520 |
| 20 | 92,9 | 84,88 | 45 | 58 | 40 | 50 | 14 | 48,8 | 123-440-520 |
| 22 | 101,4 | 93,37 | 35 | 52 | 40 | 50 | 10 | 38,3 | 123-340-522 |
| 22 | 101,4 | 93,37 | 45 | 65 | 40 | 50 | 14 | 48,8 | 123-440-522 |
| 25 | 114,1 | 106,10 | 35 | 48 | 40 | 50 | 10 | 38,3 | 123-340-525 |
| 25 | 114,1 | 106,10 | 45 | 58 | 40 | 50 | 14 | 48,8 | 123-440-525 |

mit Nabe | with hub



| Zähnez. No. teeth | d_a | d | d_b H6 | d_n | b | l | u | t | Bestell Nr. Part No. |
|----------------------|-------|--------|----------|-------|-----|-----|-----|------|-------------------------|
| 18 | 84,4 | 76,39 | 32 | 55 | 40 | 75 | 10 | 35,3 | 125-340-218 |
| 21 | 97,1 | 89,13 | 32 | 55 | 40 | 75 | 10 | 35,3 | 125-340-221 |
| 21 | 97,1 | 89,13 | 35 | 55 | 40 | 75 | 10 | 38,3 | 125-340-521 |
| 21 | 97,1 | 89,13 | 40 | 62 | 40 | 75 | 12 | 43,3 | 125-440-021 |
| 21 | 97,1 | 89,13 | 45 | 68 | 40 | 75 | 14 | 48,8 | 125-440-521 |
| 24 | 109,9 | 101,86 | 32 | 55 | 40 | 75 | 10 | 35,3 | 125-340-224 |
| 24 | 109,9 | 101,86 | 35 | 55 | 40 | 75 | 10 | 38,3 | 125-340-524 |
| 24 | 109,9 | 101,86 | 40 | 62 | 40 | 75 | 12 | 43,3 | 125-440-024 |
| 24 | 109,9 | 101,86 | 45 | 68 | 40 | 75 | 14 | 48,8 | 125-440-524 |
| 24 | 109,9 | 101,86 | 55 | 80 | 40 | 80 | 16 | 59,3 | 125-540-524 |
| 25 | 114,1 | 106,10 | 55 | 80 | 40 | 80 | 16 | 59,3 | 125-540-525 |