# RUNDSTÄBE, GEGLÜHT

## STANDARD PARTS, HEAT-TREATED

Ab sofort gibt es bei den Rundstäben zahlreiche weitere Zwischengrößen. Bei bewährten Werkstoffqualitäten werden neue Durchmesser ergänzt. Somit wächst unser Sortiment um über 150 Rundstäbe.

Round bars are now available in various additional intermediate sizes. New diameters have been added to tried and trusted material grades. That means our range has grown to over 150 round bars.

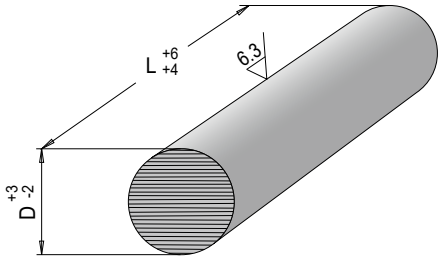
| Mat. | D |
|---|---|
| 1.1730 | ø 90 |
| 1.2083 | ø 70, ø 181 |
| 1.2083ESU | ø 151 |
| 1.2311 | ø 181 |
| 1.2316 | ø 70 |
| 1.2343 | ø 181 |
| 1.2379 | ø 70, ø 181 |
| 1.2714HH | ø 70 |
| 1.2767 | ø 70 |
| 1.3343 | ø 35 |

neusburger

Standards for your success.

meusburger

# NR .. / ... / 1730




Mat.: 1.1730

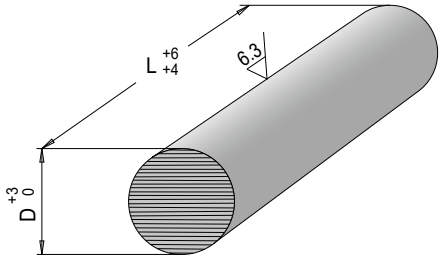
180 - 195 HB
(≈ 610 - 660 N/mm²)

25

| D | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 | 120 | 250 | 500 | 800 | 1200 | 1500 |
| 15 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 16 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 20 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 25 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 30 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 35 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 40 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 45 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 55 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 80 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 85 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 90 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 95 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 105 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 115 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 125 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 130 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 165 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 180 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 205 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 222 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 255 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 302 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 322 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 352 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 402 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |

meusburger

# NR .. / ... / 2083



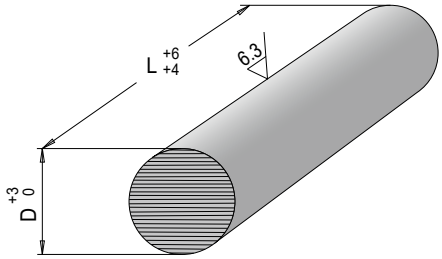

Mat.: 1.2083

max. 240 HB
(≈ max. 800 N/mm²)

25

| D | L | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 25 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 30 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 35 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 40 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 181 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 2083ESU



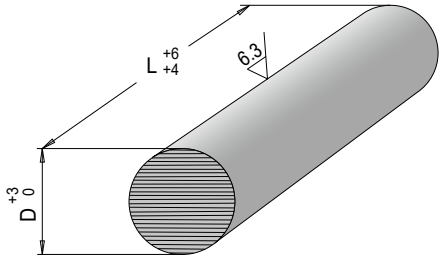

Mat.: 1.2083ESU

max. 240 HB
(≈ max. 800 N/mm²)

25

| D | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| **20** | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **25** | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **30** | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **40** | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **50** | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **60** | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **81** | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **101** | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **121** | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **151** | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 2085



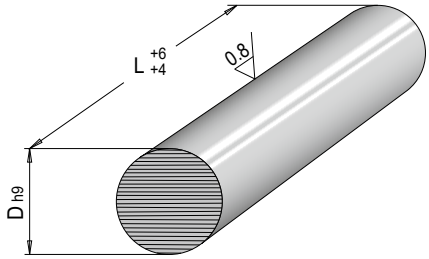

Mat.: 1.2085

280 - 325 HB
(≈ 950 - 1100 N/mm²)

25

| | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 35 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 45 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 55 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 255 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |

# NR .. / ... / 2210



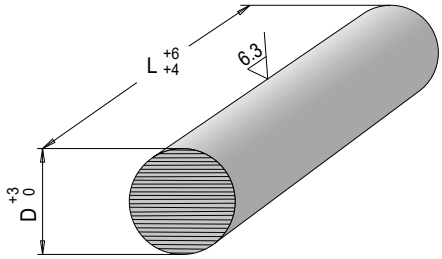

Mat.: 1.2210

max. 220 HB
(≈ max. 750 N/mm²)

25

| D | L | | | | | |
|---|---|---|---|---|---|---|
| | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 5 | ● | ● | ● | ● | ● | ● |
| 6 | ● | ● | ● | ● | ● | ● |
| 8 | ● | ● | ● | ● | ● | ● |
| 10 | ● | ● | ● | ● | ● | ● |
| 12 | ● | ● | ● | ● | ● | ● |
| 14 | ● | ● | ● | ● | ● | ● |
| 15 | ● | ● | ● | ● | ● | ● |
| 16 | ● | ● | ● | ● | ● | ● |
| 18 | ● | ● | ● | ● | ● | ● |
| 20 | ● | ● | ● | ● | ● | ● |
| 22 | ● | ● | ● | ● | ● | ● |
| 25 | ● | ● | ● | ● | ● | ● |
| 28 | ● | ● | ● | ● | ● | ● |
| 30 | ● | ● | ● | ● | ● | ● |
| 35 | ● | ● | ● | ● | ● | ● |
| 40 | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 2311



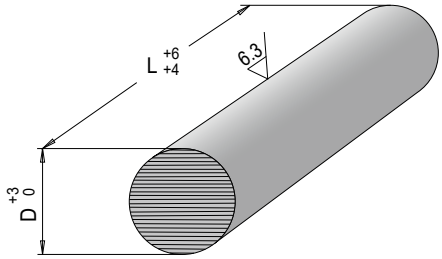

Mat.: 1.2311

280 - 325 HB
(≈ 950 - 1100 N/mm²)

25

| D | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 35 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 45 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 181 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |

# NR .. / ... / 2312



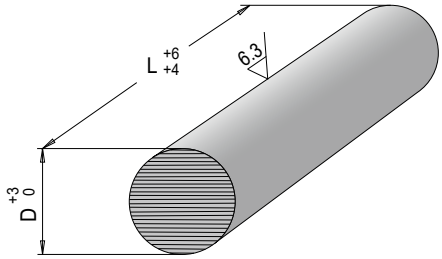

Mat.: 1.2312

280 - 325 HB
(≈ 950 - 1100 N/mm²)

25

| D | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 25 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 30 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 35 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 40 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 45 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 181 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 222 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 252 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 302 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 322 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 352 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 402 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 452 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 502 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

# NR .. / ... / 2316



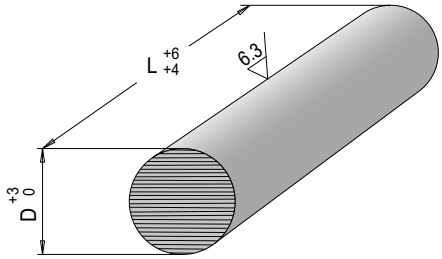

Mat.: 1.2316

280 - 325 HB
(≈ 950 - 1100 N/mm²)

25

| D | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 50 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 252 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 322 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 402 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |

# NR .. / ... / 2343



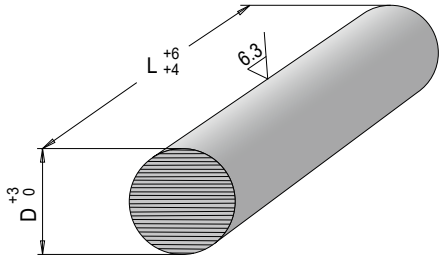

Mat.: 1.2343

max. 230 HB
(≈ max. 780 N/mm²)

25

| D | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 15 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 20 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 35 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 45 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 181 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 222 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 262 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 302 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |

# NR .. / ... / 2343ESU



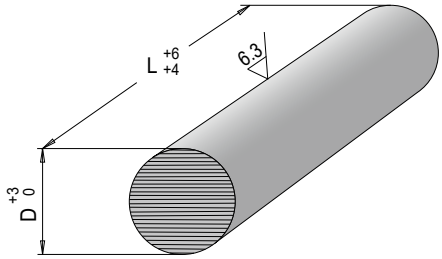

Mat.: 1.2343

max. 230 HB
(≈ max. 780 N/mm²)

25

| | L | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| D | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 2344



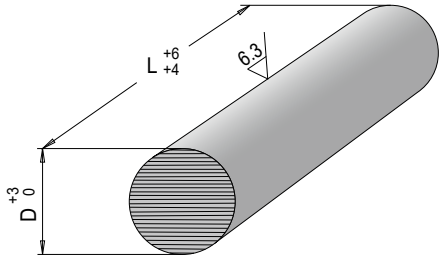

Mat.: 1.2344

max. 230 HB
(≈ max. 780 N/mm²)

25

| | L | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| D | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 252 | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 302 | ● | ● | ● | ● | ● | ● | ● | ● | | | |

# NR .. / ... / 2379



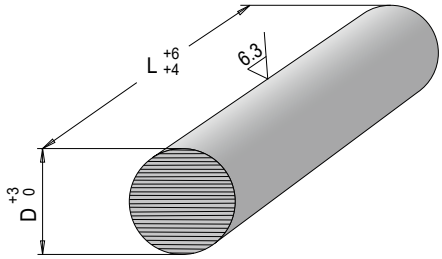

Mat.: 1.2379

max. 255 HB
(≈ max. 860 N/mm²)

25

| D | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 15 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 20 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 35 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 45 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 181 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 252 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 302 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |

# NR .. / ... / 2714



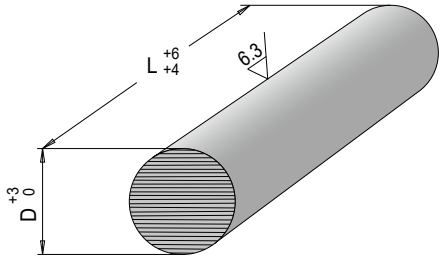

Mat.: 1.2714

max. 250 HB
(≈ max. 850 N/mm²)

25

| | L | | | | | |
|---|---|---|---|---|---|---|
| D | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 30 | ● | ● | ● | ● | ● | ● |
| 40 | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 2714HH



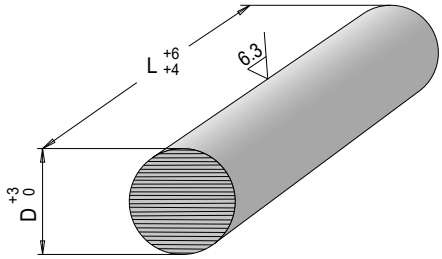

Mat.: 1.2714HH

40 - 43 HRC
(≈ 1250 - 1400 N/mm²)

25

| | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 35 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 2767



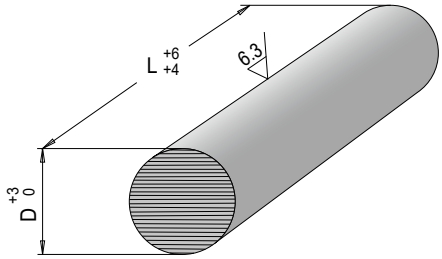

Mat.: 1.2767

max. 280 HB
(≈ max. 950 N/mm²)

25

| D | L | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 35 | | | | | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 151 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 181 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 202 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |

# NR .. / ... / 2842



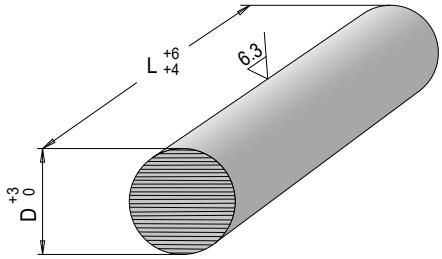

Mat.: 1.2842

max. 230 HB
(≈ max. 780 N/mm²)

25

| D | L | | | | | |
|---|---|---|---|---|---|---|
| | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 15 | ● | ● | ● | ● | ● | ● |
| 20 | ● | ● | ● | ● | ● | ● |
| 25 | ● | ● | ● | ● | ● | ● |
| 30 | ● | ● | ● | ● | ● | ● |
| 40 | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● |
| 81 | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● |
| 121 | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 3343



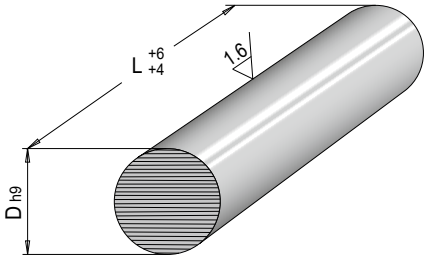

Mat.: 1.3343 (HSS)

max. 269 HB
(≈ max. 915 N/mm²)

25

| D | L | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 10 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 12 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 16 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 20 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 25 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 30 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 35 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 40 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 50 | | | | | | | | ● | ● | ● | ● | ● | ● |
| 60 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 81 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 101 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 7131



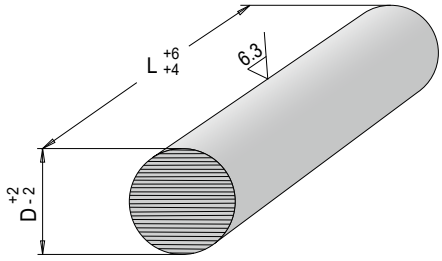

Mat.: 1.7131

max. 186 HB
(≈ max. 635 N/mm²)

25

| D | L | | | | | |
|---|---|---|---|---|---|---|
| | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 17 | ● | ● | ● | ● | ● | ● |
| 21 | ● | ● | ● | ● | ● | ● |
| 25 | ● | ● | ● | ● | ● | ● |
| 27 | ● | ● | ● | ● | ● | ● |
| 31 | ● | ● | ● | ● | ● | ● |
| 35 | ● | ● | ● | ● | ● | ● |
| 43 | ● | ● | ● | ● | ● | ● |
| 47 | ● | ● | ● | ● | ● | ● |
| 55 | ● | ● | ● | ● | ● | ● |
| 61 | ● | ● | ● | ● | ● | ● |
| 71 | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 3.3547



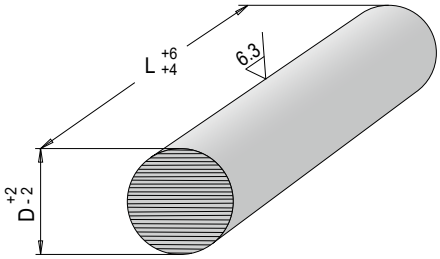

Mat.: 3.3547 (AW-5083)

min. 78 HB
(≈ min. 270 N/mm²)

durchmesserabhängig / *depending on diameter* 25

| D | L | | | | | |
|---|---|---|---|---|---|---|
| | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | ● | ● | ● | ● | ● | ● |
| 25 | ● | ● | ● | ● | ● | ● |
| 30 | ● | ● | ● | ● | ● | ● |
| 40 | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● |
| 80 | ● | ● | ● | ● | ● | ● |
| 100 | ● | ● | ● | ● | ● | ● |
| 120 | ● | ● | ● | ● | ● | ● |

# NR .. / ... / 3.4365




Mat.: 3.4365 (AW-7075) max. 158 HB (≈ max. 540 N/mm²)

durchmesserabhängig / *depending on diameter* 25

| | L | | | | | |
|---|---|---|---|---|---|---|
| D | 100 | 250 | 500 | 800 | 1200 | 1500 |
| 20 | ● | ● | ● | ● | ● | ● |
| 25 | ● | ● | ● | ● | ● | ● |
| 30 | ● | ● | ● | ● | ● | ● |
| 40 | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● |
| 60 | ● | ● | ● | ● | ● | ● |
| 80 | ● | ● | ● | ● | ● | ● |
| 100 | ● | ● | ● | ● | ● | ● |
| 120 | ● | ● | ● | ● | ● | ● |