

GENERAL INFORMATION

Aluminum Material
Grades

| MATERIAL | | | | NOMINAL DIAMETER | | TENSILE STRENGTH | MATERIAL ULTIMATE TENSILE STRENGTH | | | YIELD/PROOF | | STRESS AT PERMANENT SET LIMIT | PERCENTAGE ELONGATION AFTER FRACTURE |
|----------|---------------|------------|-----------------|------------------|--------|---------------------------------|------------------------------------|-------------|---------|-------------|----------------------------------|-------------------------------|--------------------------------------|
| | | | | MM | | | | | | | | | |
| SYMBOL | WERKSTOFF NO. | SERIES NO. | DESTIGNATION | OVER | TO | Rm N/mm ² MIN. | mPa | PSI | mPa | PSI | Rp 0.2 N/mm ² MIN. | A ₅ % MIN. | |
| | | | | AL1 | 3.3535 | ≈5754 | Al Mg 3 | - | 10 | 270 | 210-320 | 30000-48000 | 92-280 |
| | | | | 10 | 20 | 250 | 210-320 | 30000-48000 | 92-280 | 13000-41000 | 180 | 4 | |
| AL6 | 3.4365 | ≈7075 | Al Zn 5.5 Mg Cu | 0 | 39 | 510 | 230-590 | 33000-86000 | 120-520 | 17000-75000 | 440 | 7 | |

