|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **→** | **C-Stahl** | **C-Stahl** | **CrMo-Stahl** | | **Cr-Stahl** | | **CrNi-Stahl** | | **CrNiMo-Stahl** | **CrNiMo-Stahl** | **Messing** |
| **Gatunek →** | 1.1274 | 1.2003 | **1.4031 Mo** | | **1.4034** | | **1.4310** | | **1.4404** | **1.4404** | **2.0321** |
| **Grubość ↓** | **Hartowane** | **Hartowane** | **Hartowane** | | **Hartowane** | **10-205 mm** | | **Zmiękczone** | | **Utwardzone** | **Utwardzone** |
| **0,003** |  |  |  | |  | | **Ca. 1500 mm** | |  |  |  |
| **0,005** |  |  |  |  | | | **Ca. 1500 mm** | |  |  |  | |
| **0,008** |  |  |  |  | | | **Ca. 1000 mm** | |  |  |  | |
| **0,010** | **2000-2200** |  |  |  | | | **>1500** | |  | **>1100** | **>540** | |
| **0,015** |  |  |  |  | | | **>1500** | |  |  |  | |
| **0,020** | **2000-2200** |  |  |  | | | **>1500** | |  | **>1100** | **>610** | |
| **0,025** |  |  |  |  | | | **15-1700** | |  |  | **>540** | |
| **0,030** | **2000-2200** |  |  |  | | | **15-1700** | |  |  | **>540** | |
| **0,035** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,040** | **2000-2200** |  |  |  | | | **15-1700** | |  |  | **>540** | |
| **0,045** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,050** | **2000-2200** |  |  |  | | | **15-1700** | | **500-800** | **11-1300** | **>540** | |
| **0,055** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,060** | **2000-2200** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,070** | **2000-2200** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,075** |  |  | **1700-1950** |  | | | **15-1700** | |  |  | **550-640** | |
| **0,080** | **2000-2200** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,090** | **2000-2200** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,100** | **2000-2200** |  | **1700-1950** |  | | | **15-1700** | | **500-800** | **11-1500** | **>540** | |
| **0,110** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,120** | **2000-2200** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,130** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,140** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,150** | **2000-2200** |  |  |  | | | **15-1700** | | **500-800** | **11-1300** | **480-640** | |
| **0,160** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,170** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,180** | **1800-2100** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,190** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,200** |  |  | **1700-1950** |  | | | **15-1700** | | **500-800** | **11-1300** | **550-640** | |
| **0,210** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,220** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,230** |  |  |  |  | | | **15-1800** | |  |  |  | |
| **0,240** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,250** | **1800-2100** |  | **1700-1950** |  | | | **15-1700** | | **500-800** |  | **480-560** | |
| **0,260** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,270** |  |  |  |  | | | **15-1900** | |  |  |  | |
| **0,280** |  |  |  |  | | | **15-1900** | |  |  |  | |
| **0,290** |  |  |  |  | | | **15-1700** | |  |  |  | |
| **0,300** | **1800-2000** |  | **1700-1950** |  | | | **15-1700** | | **500-800** | **11-1300** | **550-640** | |
| **0,350** | **1800-2000** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,400** | **1600-1900** |  | **1700-1950** |  | | | **15-1700** | | **500-800** |  | **550-640** | |
| **0,450** | **1600-1900** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,500** | **1600-1900** |  | **1700-1950** |  | | | **15-1700** | | **500-800** | **11-1300** | **550-640** | |
| **0,550** | **1600-1900** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,600** | **1600-1900** |  |  |  | | | **15-1700** | | **500-800** |  | **>630** | |
| **0,650** | **1600-1900** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,700** | **1600-1900** |  |  |  | | | **15-1700** | |  |  | **370-440** | |
| **0,750** | **1600-1900** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,800** | **1600-1800** |  | **1700-1950** |  | | | **15-1700** | | **500-800** |  | **550-640** | |
| **0,850** | **1600-1800** |  |  |  | | | **15-1700** | |  |  |  | |
| **0,900** | **1600-1800** |  |  |  | | | **15-1700** | |  |  | **550-640** | |
| **0,950** | **1600-1800** |  |  |  | | | **15-1700** | |  |  |  | |
| **1,000** | **1600-1800** | **48-50 HRC** |  | **50-52 HRC** | | | **15-1700** | | **500-800** |  | **550-640** | |
| **1,100** | **1400-1600** |  |  | **50-52 HRC** | | | **15-1700** | |  |  |  | |
| **1,200** | **1400-1600** | **48-50 HRC** |  | **50-52 HRC** | | | **15-1700** | |  |  |  | |
| **1,300** | **1400-1600** |  |  | **50-52 HRC** | | | **13-1500** | |  |  |  | |
| **1,400** | **1400-1600** |  |  | **50-52 HRC** | | | **13-1500** | |  |  |  | |
| **1,500** | **1400-1600** | **48-50 HRC** |  | **50-52 HRC** | | | **13-1500** | |  |  |  | |
| **1,600** | **1400-1600** |  |  | **50-52 HRC** | | | **13-1500** | |  |  |  | |
| **1,700** | **1400-1600** |  |  | **50-52 HRC** | | | **13-1500** | |  |  |  | |
| **1,800** | **1400-1600** | **48-50 HRC** |  | **50-52 HRC** | | | **13-1500** | |  |  |  | |
| **1,900** | **1400-1600** |  |  | **50-52 HRC** | | | **13-1500** | |  |  |  | |
| **2,000** | **1400-1600** | **48-50 HRC** |  | **50-52 HRC** | | | **13-1500** | |  |  |  | |
| **2,200** |  |  |  |  | | |  | |  |  |  | |
| **2,400** |  |  |  |  | | |  | |  |  |  | |
| **2,500** |  | **48-50 HRC** |  | **50-52 HRC** | | |  | |  |  |  | |
| **2,600** |  |  |  |  | | |  | |  |  |  | |
| **2,800** |  |  |  |  | | |  | |  |  |  | |
| **3,000** |  | **48-50 HRC** |  | **50-52 HRC** | | |  | |  |  |  | |
| **3,200** |  |  |  |  | | |  | |  |  |  | |
| **3,500** |  | **48-50 HRC** |  | **50-54 HRC** | | |  | |  |  |  | |
| **4,000** |  | **48-50 HRC** |  | **50-54 HRC** | | |  | |  |  |  | |
| **5,030** |  | **48-50 HRC** |  | **50-54 HRC** | | |  | |  |  |  | |
| **5,0-8,0** |  |  |  | **50-54 HRC** | | |  | |  |  |  | |