

**DIN 338 ISO 235**

R ≤ 1400 N/mm<sup>2</sup>  
HV ~ 850÷920

| art.      | Ø mm  | L mm | L1 mm | g   |
|-----------|-------|------|-------|-----|
| 004150029 | 0,50  | 22   | 6     | 0,2 |
| 004150040 | 1,00  | 34   | 12    | 0,3 |
| 004150043 | 1,25  | 38   | 16    | 0,3 |
| 004150046 | 1,50  | 40   | 18    | 0,4 |
| 004150049 | 1,75  | 46   | 22    | 0,7 |
| 004150052 | 2,00  | 49   | 24    | 1,1 |
| 004150055 | 2,25  | 53   | 27    | 1,2 |
| 004150058 | 2,50  | 57   | 30    | 1,4 |
| 004150061 | 2,75  | 61   | 33    | 2,3 |
| 004150064 | 3,00  | 61   | 33    | 2,8 |
| 004150067 | 3,25  | 65   | 36    | 3,4 |
| 004150070 | 3,50  | 70   | 39    | 4   |
| 004150073 | 3,75  | 70   | 39    | 5   |
| 004150076 | 4,00  | 75   | 43    | 6   |
| 004150079 | 4,25  | 75   | 43    | 6   |
| 004150082 | 4,50  | 80   | 47    | 8   |
| 004150085 | 4,75  | 80   | 47    | 8   |
| 004150088 | 5,00  | 86   | 52    | 8   |
| 004150091 | 5,25  | 86   | 52    | 11  |
| 004150094 | 5,50  | 93   | 57    | 13  |
| 004150097 | 5,75  | 93   | 57    | 14  |
| 004150100 | 6,00  | 93   | 57    | 15  |
| 004150103 | 6,25  | 101  | 63    | 17  |
| 004150106 | 6,50  | 101  | 63    | 18  |
| 004150109 | 6,75  | 109  | 69    | 20  |
| 004150112 | 7,00  | 109  | 69    | 21  |
| 004150115 | 7,25  | 109  | 69    | 25  |
| 004150118 | 7,50  | 109  | 69    | 26  |
| 004150121 | 7,75  | 117  | 75    | 26  |
| 004150124 | 8,00  | 117  | 75    | 27  |
| 004150127 | 8,25  | 117  | 75    | 31  |
| 004150130 | 8,50  | 117  | 75    | 32  |
| 004150133 | 8,75  | 125  | 81    | 42  |
| 004150136 | 9,00  | 125  | 81    | 45  |
| 004150139 | 9,25  | 125  | 81    | 46  |
| 004150142 | 9,50  | 125  | 81    | 47  |
| 004150145 | 9,75  | 133  | 87    | 50  |
| 004150148 | 10,00 | 133  | 87    | 52  |
| 004150149 | 10,25 | 133  | 87    | 61  |
| 004150150 | 10,50 | 133  | 87    | 65  |
| 004150151 | 10,75 | 142  | 94    | 66  |
| 004150152 | 11,00 | 142  | 94    | 68  |
| 004150153 | 11,25 | 142  | 94    | 71  |
| 004150154 | 11,50 | 142  | 94    | 78  |
| 004150155 | 11,75 | 142  | 94    | 80  |
| 004150156 | 12,00 | 151  | 101   | 85  |
| 004150157 | 12,25 | 151  | 101   | 98  |
| 004150158 | 12,50 | 151  | 101   | 100 |
| 004150159 | 12,75 | 151  | 101   | 107 |
| 004150160 | 13,00 | 151  | 101   | 110 |
| 004150164 | 14,00 | 160  | 108   | 139 |
| 004150168 | 15,00 | 169  | 114   | 165 |
| 004150172 | 16,00 | 178  | 120   | 194 |
| 004150174 | 17,00 | 186  | 125   | 225 |
| 004150176 | 18,00 | 194  | 130   | 277 |
| 004150178 | 19,00 | 202  | 135   | 305 |
| 004150180 | 20,00 | 210  | 140   | 351 |

