

4108

HSS DIN 311

ISO  
2238

| P         |          |        |        | M        |        | K          |          |        | N         |            |       |            | S  |          | H      |        |        |
|-----------|----------|--------|--------|----------|--------|------------|----------|--------|-----------|------------|-------|------------|----|----------|--------|--------|--------|
| <800      | <1.000   | <1.200 | <1.400 | <950     | <1.200 | <500       | <800     | <1.400 | Al        | Cu         | Mg/Zn | Plastic    | Ni | Ti       | 50 HRC | 55 HRC | 60 HRC |
| ●<br>6-12 | ○<br>4-6 |        |        | ○<br>4-6 |        | ●<br>10-14 | ●<br>6-8 |        | ●<br>8-22 | ●<br>10-22 |       | ●<br>14-22 |    | ○<br>4-6 |        |        |        |

Vc (m/min). ● Optima / Optimun ○ Alternativo / Alternative



| ▶ | △ | Ø<br>mm |
|---|---|---------|
| 1 |   | 10,00   |
| 1 |   | 11,00   |
| 2 |   | 12,00   |
| 2 |   | 13,00   |
| 2 |   | 14,00   |
| 2 |   | 15,00   |
| 2 |   | 16,00   |
| 3 |   | 17,00   |
| 3 |   | 18,00   |
| 3 |   | 19,00   |
| 3 |   | 20,00   |
| 3 |   | 21,00   |
| 3 |   | 22,00   |
| 3 |   | 23,00   |

| L<br>mm | l<br>mm | □ |
|---------|---------|---|
| 171     | 95      | 1 |
| 176     | 100     | 1 |
| 199     | 105     | 1 |
| 199     | 105     | 1 |
| 209     | 115     | 1 |
| 219     | 125     | 1 |
| 229     | 135     | 1 |
| 251     | 135     | 1 |
| 261     | 145     | 1 |
| 261     | 145     | 1 |
| 271     | 155     | 1 |
| 271     | 155     | 1 |
| 281     | 165     | 1 |
| 281     | 165     | 1 |

| ▶ | △ | Ø<br>mm |
|---|---|---------|
| 3 |   | 24,00   |
| 3 |   | 25,00   |
| 3 |   | 26,00   |
| 3 |   | 27,00   |
| 3 |   | 28,00   |
| 3 |   | 29,00   |
| 3 |   | 30,00   |
| 3 |   | 31,00   |
| 4 |   | 32,00   |
| 4 |   | 33,00   |
| 4 |   | 34,00   |
| 4 |   | 35,00   |
| 4 |   | 36,00   |
| 4 |   | 37,00   |

| L<br>mm | l<br>mm | □ |
|---------|---------|---|
| 296     | 180     | 1 |
| 296     | 180     | 1 |
| 296     | 180     | 1 |
| 311     | 195     | 1 |
| 311     | 195     | 1 |
| 311     | 195     | 1 |
| 311     | 195     | 1 |
| 326     | 210     | 1 |
| 354     | 210     | 1 |
| 364     | 220     | 1 |
| 364     | 220     | 1 |
| 364     | 220     | 1 |
| 364     | 220     | 1 |
| 364     | 220     | 1 |