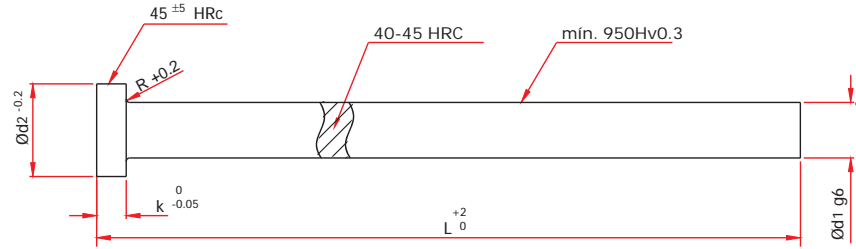


Shaft Surface Hardness: 70 HRC  
 Core Hardness: 40 - 45 HRC  
 Head Hardness: 50 HRC

Shaft Fine Ground and Nitrided  
 Max. Working Temperature of 650°C



| d1<br>(g6) | d2<br>-0.2 | K<br>-0.05 | r   | L (+2) |     |     |     |     |     |     |     |     |     |      |  |
|------------|------------|------------|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
|            |            |            |     | 100    | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 |  |
| 1.5        | 3          | 1.5        | 0.2 | x      | x   | x   | x   |     |     |     |     |     |     |      |  |
| 2          | 4          | 2          | 0.2 | x      | x   | x   | x   | x   | x   |     |     |     |     |      |  |
| 2.2        | 4          | 2          | 0.2 | x      | x   | x   | x   | x   | x   |     |     |     |     |      |  |
| 2.5        | 5          | 2          | 0.3 | x      | x   | x   | x   | x   | x   |     |     |     |     |      |  |
| 2.7        | 5          | 2          | 0.3 | x      | x   | x   | x   | x   | x   |     |     |     |     |      |  |
| 3          | 6          | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   | x   |     |     |      |  |
| 3.2        | 6          | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   |     |     |     |      |  |
| 3.5        | 7          | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   |     |     |     |      |  |
| 3.7        | 7          | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   |     |     |     |      |  |
| 4          | 8          | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 4.2        | 8          | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   |     |     |     |      |  |
| 4.5        | 8          | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   |     |     |     |      |  |
| 5          | 10         | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 5.2        | 10         | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   | x   |     |     |      |  |
| 5.5        | 10         | 3          | 0.3 | x      | x   | x   | x   | x   | x   | x   | x   |     |     |      |  |
| 6          | 12         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 6.2        | 12         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   |     |     |      |  |
| 6.5        | 12         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   |     |     |      |  |
| 7          | 12         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   |     |     |      |  |
| 8          | 14         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 8.2        | 14         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 8.5        | 14         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 9          | 14         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 10         | 16         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 10.2       | 16         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 10.5       | 16         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 11         | 16         | 5          | 0.5 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 12         | 20         | 7          | 0.8 | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 12.2       | 20         | 7          | 0.8 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 12.5       | 20         | 7          | 0.8 | x      | x   | x   | x   | x   | x   | x   | x   | x   |     |      |  |
| 14         | 22         | 7          | 0.8 | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 16         | 22         | 7          | 0.8 | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 18         | 24         | 7          | 0.8 | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 20         | 26         | 8          | 1   | x      | x   | x   | x   | x   | x   | x   | x   | x   | x   | x    |  |
| 25         | 32         | 10         | 1   |        |     |     |     | x   | x   | x   | x   | x   | x   | x    |  |
| 32         | 40         | 10         | 1   |        |     |     |     | x   | x   | x   | x   | x   | x   | x    |  |
| 40         | 50         | 10         | 1   |        |     |     |     | x   | x   | x   | x   | x   | x   | x    |  |

Order format : A / d1 x L  
 Example : A / 1.5 x 160