Round Fine Centering
Standard 7993

Novelty

Material of the bushes, rollers: 100Cr6 – 1.3505, hardened 62 - 64 HRC;
Centering pillar: 16MnCr5, hardened 61 - 63 HRC.

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<th>C, C₀ [N] - Indicative value</th>
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| 7993.015.059| 15 | 28 | 52 | 36 | 69 | 6.8| 59 | 22.5| 12 | 61 | 23 | 32 | Entry (C): 1400
|             |    |    |    |    |    |    |    |    |    |    |    |    | Shut (C₀): 4700          |
| 7993.025.064| 25 | 40 | 64 | 48 | 81 | 8.5| 64 | 27 | 12 | 65.5| 28 | 37 | Entry (C): 2150
|             |    |    |    |    |    |    |    |    |    |    |    |    | Shut (C₀): 10800         |

C = dynamic load rating in N – Initial load capacity
C₀ = static load rating in N – Tool fully shut

Installation situation

Bush can be installed on both sides
New features / advantages

- The new designed 7993 series of standard parts features a centering stroke increased by more than 50%. As a result, it is now possible to also eject higher injection-molded parts in a gentle and precise manner.
- The new 7993 series of standard parts is nearly 100% compatible with the original 7990 standard part. Exception: In closed condition, the pillar protrudes over the bush end; therefore, some clearance must be prepared behind the bush.
- Very low abrasion and low wear: The brass roller cage as well as new design features eliminate almost all mechanical wear – the centering devices are therefore suitable for clean room applications.
- Thanks to the brass cage, the centering may be cleaned with various cleaning methods.
- Temperature-resistant, approx. 170°C.
- For further advantages of the rolling round fine centering, please refer to the 7990/7992 standard parts.

These combined new features provide a significantly higher centering capacity and allow a much wider range of applications.

Applications

- Centering of main separation plane and individual centering of cavities, guiding the ejection plate, plate guide for ventilation stroke.
- Centering of hybrid injection molds.
- Tool centering on the machine plate of the injection molding machine.
- Deep-drawing and fine punching applications.
- General machine applications requiring a zero-centering respectively backlash-free guide.

Novelty

Outstanding range of applications

standard 7993

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