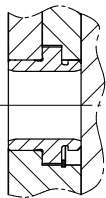
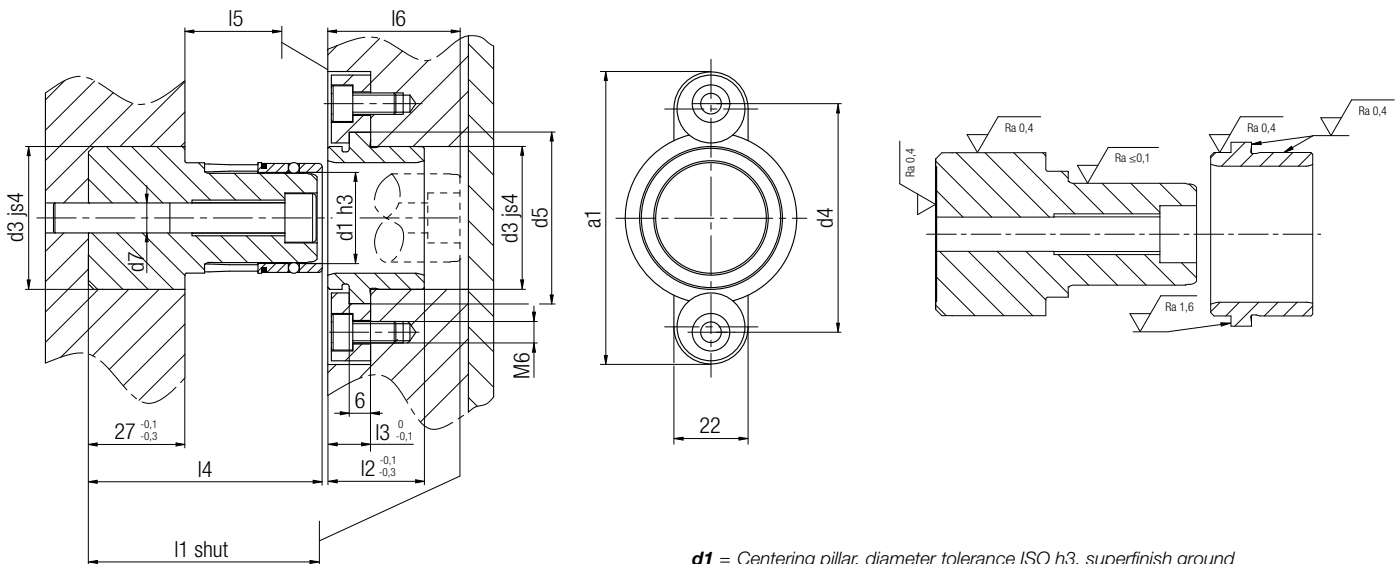


Round Fine Centering Standard 7993

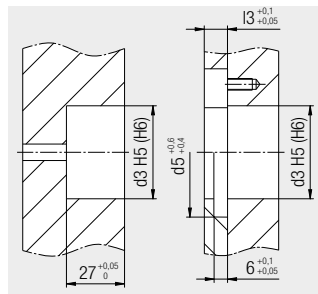
Novelty



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



Bush can be installed on both sides



Installation situation

- d1** = Centering pillar, diameter tolerance ISO h3, superfinish ground
- d3** = Outer diameter of the centering pillar and flanged bush to fit js4/H5(H6)
- d4** = Reference diameter for clamps (clamps A-8001.000.001), mounting thread: M6x18
- d5** = Outer diameter of the flanged bush
- a1** = Installation space required for the clamps, alternative arrangement: 120°
- d7** = Center hole for mounting the guide pillar, including auxiliary thread for easy removal
- l1** = Nominal length of the centering unit in the fully closed position
- l2** = Total length of the centering bush
- l3** = Installation depth of the centering bush
- l4** = Total length of the centering pillar
- l5** = Total working length of the guide
- l6** = Pillar insertion depth

Article	d1	d3	d4	d5	a1	d7	l1	l2	l3	l4	l5	l6	C, C ₀ [N] - Indicative value
7993.015.059	15	28	52	36	69	6.8	59	22.5	12	61	23	32	Entry (C): 1400 Shut (C ₀): 4700
7993.025.064	25	40	64	48	81	8.5	64	27	12	65.5	28	37	Entry (C): 2150 Shut (C ₀): 10800

**Outstanding
range of applications**

standard 7993

New features / advantages

- The new designed 7993 series of standard parts features a centering stroke I5 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



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