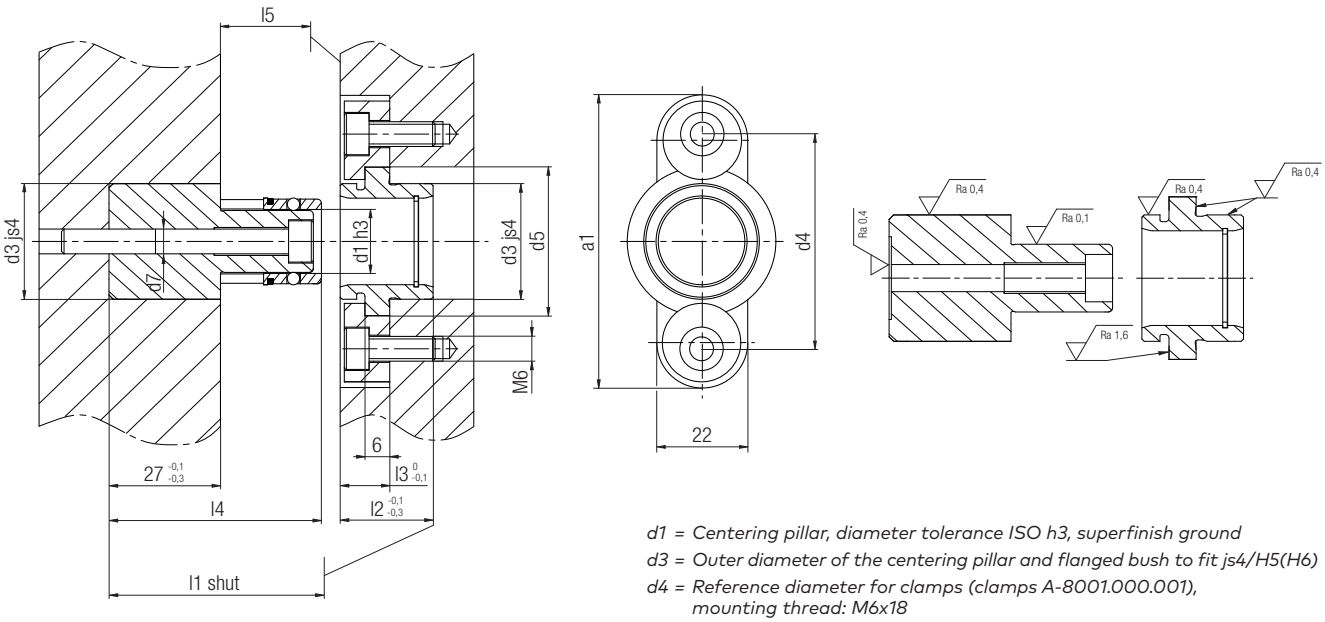
# Agathon Centering Standard 7995

## Novelty – Guidance of short stroke applications

For guiding applications where not exiting the bushing




*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*

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

| Article | d1 | d3 | d4 | d5 | a1 | d7 | l1 | l2 | l3 | l4 | l5 | C, $C_0$ [N] - Indicative value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7995.015.049 | 15 | 28 | 52 | 36 | 69 | 6.8 / M6 | 49.5 | 22.5 | 12 | 51.5 | ~14 | Entry (C): 1400<br>Closed ($C_0$): 4700 |
| 7995.025.054 | 25 | 40 | 64 | 48 | 81 | 8.5 / M8 | 54 | 27 | 12 | 55.5 | ~18 | Entry (C): 2150<br>Closed ($C_0$): 10800 |

*C = dynamic load rating in N – Initial load capacity*

*$C_0$ = static load rating in N – Tool fully shut*

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**New features**

- The bushing is equipped with a stop. As a result, the centering pillar with roller cage does not necessarily have to exit the preload during each cycle. That is, the cage remains in the intended position at all times
- Otherwise, the short-stroke standard 7995 corresponds 100% to the original standard 7990. The bushing can not be installed on both sides, see installation diagram on page 1

**Applications**

- Mold construction: guidance of ejector stroke
- General mechanical engineering: for recurring sequences with short stroke, the pillar does not exit the preload – or constant short stroke application

**The Universal – 7990**

- Centering at main separation
- Guiding of ejection plate
- Guiding of ventilation stroke
- Centering of tool on the injection molding machine plate

**For smaller applications – 7992**

- Centering of individual cavities
- Centering at main separation on small tools
- Further developed for volume production

**For the highest demands – 7993**

- Ideal for high cleanroom demands
- High temperature applications
- Long guided centering stroke for perfect ejection of molded parts
- No restrictions regarding cleaning methods

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