

# Agathon Stripper plate roller guide bushing

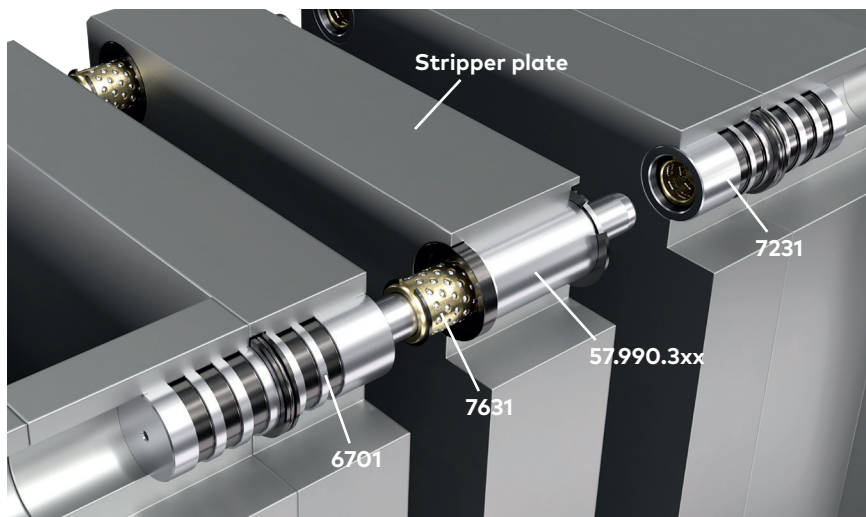
## Standard 57.990.3xx



# NEW

### Bushing for backlash-free preloaded roller guide of the stripper plate

Guide bushing with flange without centering collar



#### Advantages

- Backlash-free roller guide instead of sliding guide for maximum precision and lifespan
- Upgrade from sliding to roller guide at any time
- Perfect tribological conditions with pillar diameter tolerance h3
- Space-saving, minimum lubrication needed

#### Benefits

- Smooth rolling without plate flex = simplified tool handling
- Minimized offset
- Dimensionally compatible with and interchangeable with standard slide bushings

#### Features

- Tightest tolerances
- Shortest delivery times, anywhere in the world
- Integrated cage positioning
- Combined with standard ball or roller cages
- Simple fastening with circlip retainer

#### Technical data

- Material: 1.3505 (100Cr6)
- Hardness: 62+2HRC
- Outer diameter tolerance d3 = ISO h4
- Chamfer f8 as centering aid during assembly

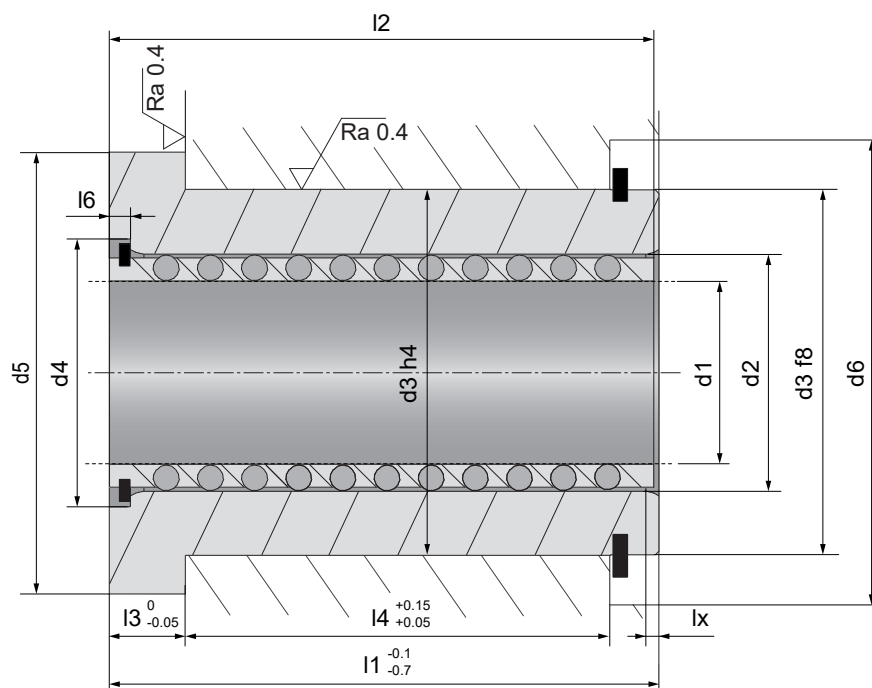
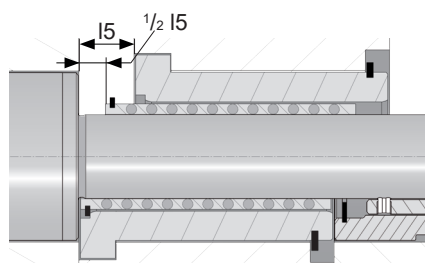
#### Installation notes

- Press in guide bush only lightly – transition fit e.g. h4/JS4 is ideal
- Version for press-fitting on request
- With circlip retainer as fastening aid, installation space according to DIN 471/ d6
- Maximum stroke of stripper plate defined by length of recommended ball cage standard 7631. Maximum opening stroke see I5
- Longer strokes only after consultation with Agathon Application Technology

#### Applications

- Dynamic application – Guiding of a stripper plate
- Static application – Guiding of a heat channel plate during assembly
- Guidance of the ejector package

d1 = Guide pillar, Tolerance h3/h4  
 d2 = Bushing inner diameter  
 d3 = Bushing outer diameter  
 d4 = Installation space for circlip retainer DIN 471  
 d5 = Flange diameter  
 d6 = Installation space for fastening element  
 l1 = Bushing length  
 l2 = Cage length,  $l2 < l1$   
 l3 = Flange width  
 l4 = Installation position of the fastening element  
 l5 = Max. opening length of the stripper plate  
 l6 = Diameter length (suitable for l3 according to standard 7631)  
 lx = Bushing inlet (2 mm)



| Article           | d1        | d2        | d3        | d4          | d5        | d6        | l1        | l2        | l3        | l4        | l5 <sup>max</sup><br>HUB | l6         | Recom. ball cage<br>Standard 7631 |
|-------------------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------------------|------------|-----------------------------------|
| 57.990.300        | 15        | 21        | 30        | 29          | 35        | 42        | 27        | 24        | 6         | 16        | 18                       | 3.5        | 7631.015.024                      |
| 57.990.301        | 15        | 21        | 30        | 29          | 35        | 42        | 36        | 35        | 6         | 25        | 29                       | 3.5        | 7631.015.035                      |
| 57.990.302        | 15        | 21        | 30        | 29          | 35        | 42        | 46        | 42        | 6         | 35        | 36                       | 3.5        | 7631.015.042                      |
| 57.990.303        | 15        | 21        | 30        | 29          | 35        | 42        | 56        | 52        | 6         | 45        | 46                       | 3.5        | 7631.015.052                      |
| <b>57.990.354</b> | <b>15</b> | <b>21</b> | <b>30</b> | <b>29</b>   | <b>35</b> | <b>42</b> | <b>66</b> | <b>65</b> | <b>6</b>  | <b>55</b> | <b>59</b>                | <b>3.5</b> | <b>7631.015.065</b>               |
| 57.990.307        | 25        | 31        | 42        | 40.5        | 47        | 56        | 27        | -         | 6         | 14        | -                        | 3.8        | on request                        |
| 57.990.308        | 25        | 31        | 42        | 40.5        | 47        | 56        | 36        | -         | 6         | 23        | -                        | 3.8        | on request                        |
| 57.990.309        | 25        | 31        | 42        | 40.5        | 47        | 56        | 46        | 43        | 6         | 33        | 37                       | 3.8        | 7631.025.043                      |
| 57.990.310        | 25        | 31        | 42        | 40.5        | 47        | 56        | 56        | 52        | 6         | 43        | 46                       | 3.8        | 7631.025.052                      |
| 57.990.311        | 25        | 31        | 42        | 40.5        | 47        | 56        | 66        | 60        | 6         | 53        | 54                       | 3.8        | 7631.025.060                      |
| <b>57.990.355</b> | <b>25</b> | <b>31</b> | <b>42</b> | <b>40.5</b> | <b>47</b> | <b>56</b> | <b>76</b> | <b>67</b> | <b>6</b>  | <b>63</b> | <b>61</b>                | <b>3.8</b> | <b>7631.025.067</b>               |
| 57.990.319        | 32        | 40        | 54        | 50          | 59        | 72        | 36        | -         | 10        | 18        | -                        | 4.5        | on request                        |
| 57.990.320        | 32        | 40        | 54        | 50          | 59        | 72        | 46        | -         | 10        | 28        | -                        | 4.5        | on request                        |
| 57.990.321        | 32        | 40        | 54        | 50          | 59        | 72        | 56        | 52        | 10        | 38        | 45                       | 4.5        | 7631.032.052                      |
| 57.990.322        | 32        | 40        | 54        | 50          | 59        | 72        | 66        | 65        | 10        | 48        | 58                       | 4.5        | 7631.032.065                      |
| <b>57.990.356</b> | <b>32</b> | <b>40</b> | <b>54</b> | <b>50</b>   | <b>59</b> | <b>72</b> | <b>76</b> | <b>74</b> | <b>10</b> | <b>58</b> | <b>67</b>                | <b>4.5</b> | <b>7631.032.074</b>               |
| 57.990.336        | 40        | 48        | 66        | 59.5        | 71        | 84        | 36        | -         | 10        | 18        | -                        | 4.5        | on request                        |
| 57.990.337        | 40        | 48        | 66        | 59.5        | 71        | 84        | 46        | -         | 10        | 28        | -                        | 4.5        | on request                        |
| 57.990.338        | 40        | 48        | 66        | 59.5        | 71        | 84        | 56        | -         | 10        | 38        | -                        | 4.5        | on request                        |
| 57.990.339        | 40        | 48        | 66        | 59.5        | 71        | 84        | 66        | 65        | 10        | 48        | 58                       | 4.5        | 7631.040.065                      |
| <b>57.990.357</b> | <b>40</b> | <b>48</b> | <b>66</b> | <b>59.5</b> | <b>71</b> | <b>84</b> | <b>76</b> | <b>75</b> | <b>10</b> | <b>58</b> | <b>68</b>                | <b>4.5</b> | <b>7631.040.075</b>               |

**Bold = from stock**    *Italic = 5 to 10 days delivery time*