



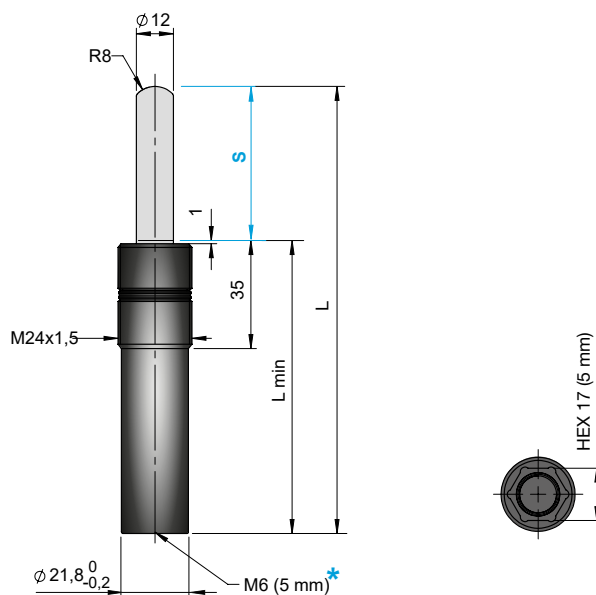
## EP2-24

Spring plunger



8

- Type 1
- Type 2
- Type 3
- Type 4
- Type 5 (individual)



Norm: ISO 20928  
VDI 3004

T: < 80 °C

S = stroke  
\* Charge port

| S  | Type | L ± 0.25 | L min | bar | F1 [daN] | F2 [daN] | m [kg] | V [L] | Order No.   |
|----|------|----------|-------|-----|----------|----------|--------|-------|-------------|
| 10 | 1    | 65       | 55    | 20  | 23       | 39       | 0.13   | 0.003 | EP2-24-10-1 |
| 10 | 2    | 65       | 55    | 40  | 45       | 80       | 0.13   | 0.003 | EP2-24-10-2 |
| 10 | 3    | 65       | 55    | 75  | 85       | 150      | 0.13   | 0.003 | EP2-24-10-3 |
| 10 | 4    | 65       | 55    | 150 | 170      | 290      | 0.13   | 0.003 | EP2-24-10-4 |
| 10 | 5    | 65       | 55    | 150 | -        | 290      | 0.13   | 0.003 | EP2-24-10-5 |
| 20 | 1    | 85       | 65    | 20  | 23       | 39       | 0.15   | 0.006 | EP2-24-20-1 |
| 20 | 2    | 85       | 65    | 40  | 45       | 80       | 0.15   | 0.006 | EP2-24-20-2 |
| 20 | 3    | 85       | 65    | 75  | 85       | 150      | 0.15   | 0.006 | EP2-24-20-3 |
| 20 | 4    | 85       | 65    | 150 | 170      | 290      | 0.15   | 0.006 | EP2-24-20-4 |
| 20 | 5    | 85       | 65    | 150 | -        | 290      | 0.15   | 0.006 | EP2-24-20-5 |
| 30 | 1    | 105      | 75    | 20  | 23       | 39       | 0.17   | 0.008 | EP2-24-30-1 |
| 30 | 2    | 105      | 75    | 40  | 45       | 80       | 0.17   | 0.008 | EP2-24-30-2 |
| 30 | 3    | 105      | 75    | 75  | 85       | 150      | 0.17   | 0.008 | EP2-24-30-3 |
| 30 | 4    | 105      | 75    | 150 | 170      | 290      | 0.17   | 0.008 | EP2-24-30-4 |
| 30 | 5    | 105      | 75    | 150 | -        | 290      | 0.17   | 0.008 | EP2-24-30-5 |
| 40 | 1    | 125      | 85    | 20  | 23       | 39       | 0.19   | 0.011 | EP2-24-40-1 |
| 40 | 2    | 125      | 85    | 40  | 45       | 80       | 0.19   | 0.011 | EP2-24-40-2 |
| 40 | 3    | 125      | 85    | 75  | 85       | 150      | 0.19   | 0.011 | EP2-24-40-3 |
| 40 | 4    | 125      | 85    | 150 | 170      | 290      | 0.19   | 0.011 | EP2-24-40-4 |
| 40 | 5    | 125      | 85    | 150 | -        | 290      | 0.19   | 0.011 | EP2-24-40-5 |
| 50 | 1    | 145      | 95    | 20  | 23       | 39       | 0.21   | 0.012 | EP2-24-50-1 |
| 50 | 2    | 145      | 95    | 40  | 45       | 80       | 0.21   | 0.012 | EP2-24-50-2 |
| 50 | 3    | 145      | 95    | 75  | 85       | 150      | 0.21   | 0.012 | EP2-24-50-3 |
| 50 | 4    | 145      | 95    | 150 | 170      | 290      | 0.21   | 0.012 | EP2-24-50-4 |
| 50 | 5    | 145      | 95    | 150 | -        | 290      | 0.21   | 0.012 | EP2-24-50-5 |
| 60 | 1    | 165      | 105   | 20  | 23       | 39       | 0.23   | 0.014 | EP2-24-60-1 |
| 60 | 2    | 165      | 105   | 40  | 45       | 80       | 0.23   | 0.014 | EP2-24-60-2 |
| 60 | 3    | 165      | 105   | 75  | 85       | 150      | 0.23   | 0.014 | EP2-24-60-3 |
| 60 | 4    | 165      | 105   | 150 | 170      | 290      | 0.23   | 0.014 | EP2-24-60-4 |
| 60 | 5    | 165      | 105   | 150 | -        | 290      | 0.23   | 0.014 | EP2-24-60-5 |
| 70 | 1    | 185      | 115   | 20  | 23       | 39       | 0.25   | 0.017 | EP2-24-70-1 |
| 70 | 2    | 185      | 115   | 40  | 45       | 80       | 0.25   | 0.017 | EP2-24-70-2 |
| 70 | 3    | 185      | 115   | 75  | 85       | 150      | 0.25   | 0.017 | EP2-24-70-3 |



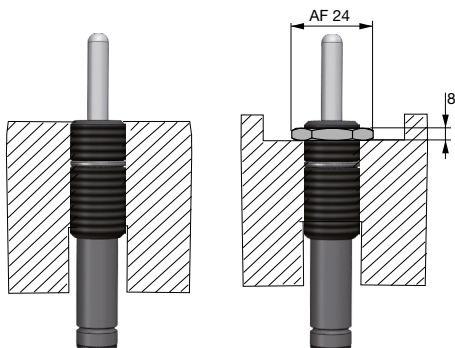
## EP2-24

Spring plunger



| S   | Type | L ± 0.25 | L min | bar | F1 [daN] | F2 [daN] | m [kg] | V [L] | Order No.    |
|-----|------|----------|-------|-----|----------|----------|--------|-------|--------------|
| 70  | 4    | 185      | 115   | 150 | 170      | 290      | 0.25   | 0.017 | EP2-24-70-4  |
| 70  | 5    | 185      | 115   | 150 | -        | 290      | 0.25   | 0.017 | EP2-24-70-5  |
| 80  | 1    | 205      | 125   | 20  | 23       | 39       | 0.27   | 0.019 | EP2-24-80-1  |
| 80  | 2    | 205      | 125   | 40  | 45       | 80       | 0.27   | 0.019 | EP2-24-80-2  |
| 80  | 3    | 205      | 125   | 75  | 85       | 150      | 0.27   | 0.019 | EP2-24-80-3  |
| 80  | 4    | 205      | 125   | 150 | 170      | 290      | 0.27   | 0.019 | EP2-24-80-4  |
| 80  | 5    | 205      | 125   | 150 | -        | 290      | 0.27   | 0.019 | EP2-24-80-5  |
| 100 | 1    | 245      | 145   | 20  | 23       | 39       | 0.31   | 0.024 | EP2-24-100-1 |
| 100 | 2    | 245      | 145   | 40  | 45       | 80       | 0.31   | 0.024 | EP2-24-100-2 |
| 100 | 3    | 245      | 145   | 75  | 85       | 150      | 0.31   | 0.024 | EP2-24-100-3 |
| 100 | 4    | 245      | 145   | 150 | 170      | 290      | 0.31   | 0.024 | EP2-24-100-4 |
| 100 | 5    | 245      | 145   | 150 | -        | 290      | 0.31   | 0.024 | EP2-24-100-5 |
| 125 | 1    | 295      | 170   | 20  | 23       | 39       | 0.35   | 0.030 | EP2-24-125-1 |
| 125 | 2    | 295      | 170   | 40  | 45       | 80       | 0.35   | 0.030 | EP2-24-125-2 |
| 125 | 3    | 295      | 170   | 75  | 85       | 150      | 0.35   | 0.030 | EP2-24-125-3 |
| 125 | 4    | 295      | 170   | 150 | 170      | 290      | 0.35   | 0.030 | EP2-24-125-4 |
| 125 | 5    | 295      | 170   | 150 | -        | 290      | 0.35   | 0.030 | EP2-24-125-5 |

### INSTALLATION VARIANTS



#### Technical information

|                                          |                |
|------------------------------------------|----------------|
| Pressure medium                          | N <sub>2</sub> |
| Max. filling pressure (at 20 °C)         | 150 bar        |
| Min. filling pressure (at 20 °C)         | 10 bar         |
| Operating temperature                    | 0 °C - 80 °C   |
| Force increase by temperature            | 0,3 % / 1 °C   |
| Max. piston rod velocity                 | 1,6 m/s        |
| Recommended max strokes / min (at 20° C) | ~ 30 - 80      |
| Repair kit                               | -              |