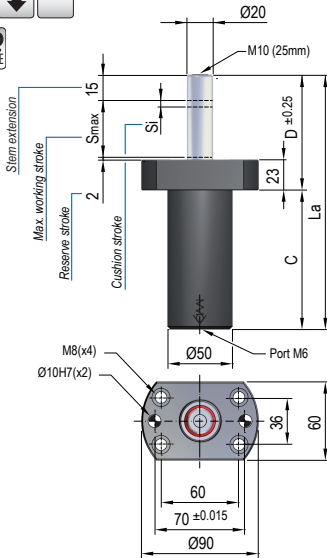


VDI SAFETY



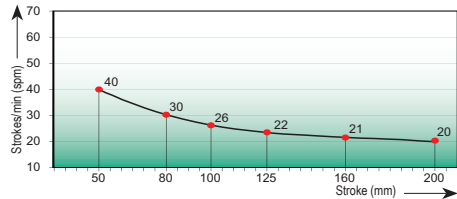
PED  
2014/68/EU



|                               |                            |
|-------------------------------|----------------------------|
| Pressure medium               | Nitrogen (N <sub>2</sub> ) |
| Max. charging pressure        | 80 Bar                     |
| Min. charging pressure        | 25 Bar                     |
| Rod seal area                 | 3,14 cm <sup>2</sup>       |
| Operating temperature         | 0°C - 80°C                 |
| Force increase by temperature | 0,33 %/°C                  |
| Max. stem speed               | 1,2 m/s                    |
| Maintenance kit               | Kit SLR250                 |



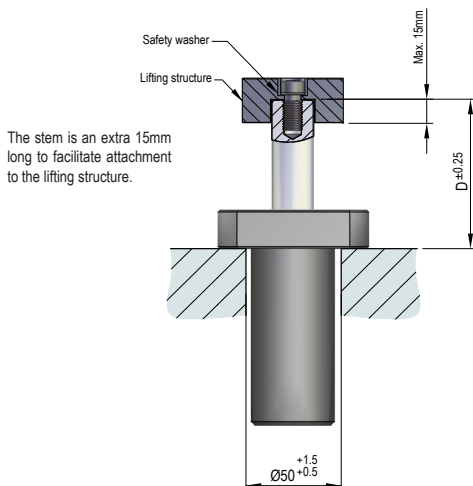
Maximum strokes / minute



| Code          | Smax<br>mm | La<br>mm | C<br>mm | D<br>mm | Si<br>mm | Fa<br>daN         | 90%<br>F<br>daN | 100%<br>Fc<br>daN | P<br>Bar     | V<br>l |
|---------------|------------|----------|---------|---------|----------|-------------------|-----------------|-------------------|--------------|--------|
| TPSLR 250x50  | 50         | 230      | 140     | 90      | 15       | 250 ±5%<br>(20°C) | 320             | 330               | 80<br>(20°C) | 0,065  |
| TPSLR 250x80  | 80         | 290      | 170     | 120     |          |                   | 320             | 330               |              | 0,103  |
| TPSLR 250x100 | 100        | 330      | 190     | 140     |          |                   | 320             | 335               |              | 0,128  |
| TPSLR 250x125 | 125        | 380      | 215     | 165     |          |                   | 325             | 335               |              | 0,160  |
| TPSLR 250x160 | 160        | 450      | 250     | 200     |          |                   | 325             | 335               |              | 0,204  |
| TPSLR 250x200 | 200        | 530      | 290     | 240     |          |                   | 325             | 335               |              | 0,254  |

(Other strokes under order)

Mounting example



The stem is an extra 15mm long to facilitate attachment to the lifting structure.

Special cushioning feature

TPSLR 250 gas springs are equipped with a final 15mm cushion stroke, for shock absorption purposes.

Stroke diagram

