

### CHARACTERISTICS

|                     |   |
|---------------------|---|
| Ambient temperature | -5 ÷ +60 °C   |
| Fluid               | filtered air, with or without lubrication   |
| Working pressure    | 1 ÷ 10 bar  |
| Body                | aluminium alloy   |
| Shafts              | chromium-plated steel (JLS)<br>hardened and chromium-plated steel (JLV)                             |
| Piston              | aluminium alloy   |
| Piston rod          | chromium-plated stainless steel AISI 303 (Ø12-16-20)<br>chromium-plated steel C45 (Ø25-32-40-50-63) |
| Guide bearing       | bearings (JLS)<br>ball bushing (JLV)  |
| Piston seal         | NBR   |
| Cushion seals       | NBR   |
| Magnet              | standard supplied   |
| Flange              | steel   |



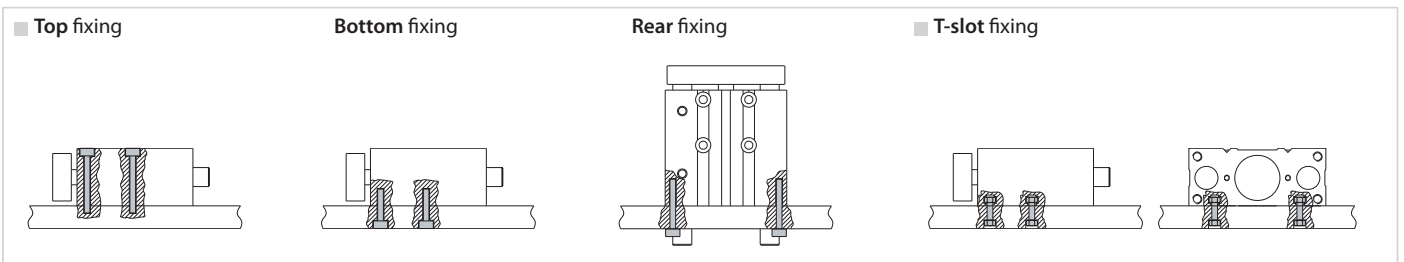
### CODIFICATION KEY

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| J | L | S | 0 | 1 | 2 | 0 | 0 | 3 | 0 |
| 1 | 2 | 3 | 4 |   |   |   |   |   |   |

|  |  |  |
|--|--|--|
| <b>1 Series</b><br>JL = Guided Compact Cylinders | <b>2 Guide bearing</b><br>S = Bearings<br>V = Ball bushing | <b>3 Bore (mm)</b><br>012 = Ø12    032 = Ø32<br>016 = Ø16    040 = Ø40<br>020 = Ø20    050 = Ø50<br>025 = Ø25    063 = Ø63 |
|--|--|--|

| <b>4 Stroke (mm)</b> | 0010 = 10    0075 = 75<br>0020 = 20    0100 = 100<br>0025 = 25    0125 = 125<br>0030 = 30    0150 = 150<br>0040 = 40    0175 = 175<br>0050 = 50    0200 = 200 | <table border="1"> <thead> <tr> <th></th> <th colspan="11">Strokes (mm)</th> </tr> <tr> <th>Ø</th> <th>10</th><th>20</th><th>25</th><th>30</th><th>40</th><th>50</th><th>75</th><th>100</th><th>125</th><th>150</th><th>175</th><th>200</th> </tr> </thead> <tbody> <tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>16</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>20</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>32</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>40</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>50</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>63</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> |    | Strokes (mm) |    |    |    |     |     |     |     |     |  |  | Ø | 10 | 20 | 25 | 30 | 40 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 12 |  |  |  |  |  |  |  |  |  |  |  |  | 16 |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  | 25 |  |  |  |  |  |  |  |  |  |  |  |  | 32 |  |  |  |  |  |  |  |  |  |  |  |  | 40 |  |  |  |  |  |  |  |  |  |  |  |  | 50 |  |  |  |  |  |  |  |  |  |  |  |  | 63 |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|---|---|----|--------------|----|----|----|-----|-----|-----|-----|-----|--|--|---|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|
|                      | Strokes (mm)  |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| Ø                    | 10  | 20  | 25 | 30           | 40 | 50 | 75 | 100 | 125 | 150 | 175 | 200 |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 12                   |   |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 16                   |   |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                   |   |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                   |   |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 32                   |   |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                   |   |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                   |   |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |
| 63                   |   |   |    |              |    |    |    |     |     |     |     |     |  |  |   |    |    |    |    |    |    |    |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |

### Fixing schemes

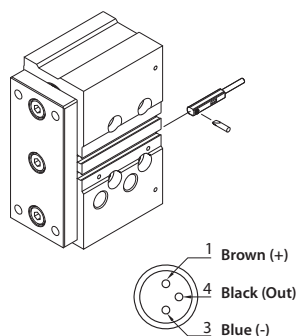


### DF-R magnetic sensor

DF-R200L03  
DF-R200M08



#### Mounting scheme



### Upon request

#### Version with metallic piston rod scraper

