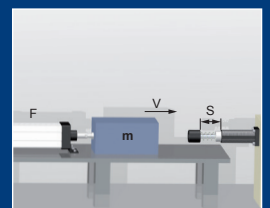


Deceleration cylinder

WM-Z 5

2D / 3D CAD
Download



Benefits

Mounting:

- Vertical with the piston rod down

Temperature:

- Standard: -20°C - +80°C
- Low temperature: -50°C-...+60°C
- High temperature: 0°C-...+120°C

Surface protection:

- Housing: Zinc Plated

RoHS - conform:

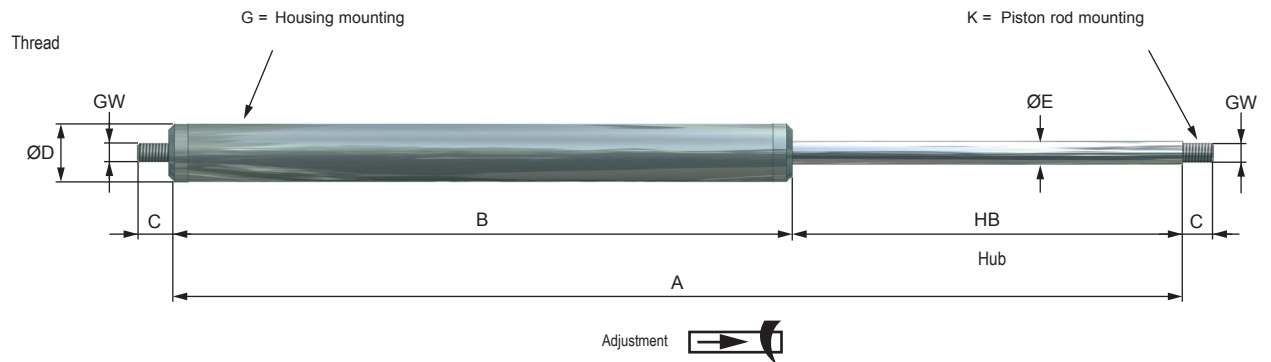
- Directive 2002/95/EC

Design:

- Flexibility relating to Stroke, Deceleration Characteristic

Extended Life Time:

- Special Seals + Oils
- Piston rod hard-chrome plated

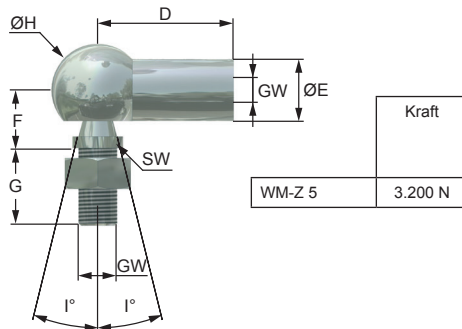


20% of the stroke without deceleration for the standard models (WM-Z).

PERFORMANCE

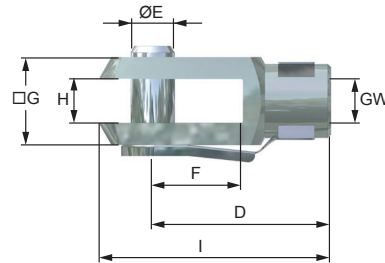
| | Stroke | Max. compression force | Standard version Z | | | | | | Weight (Z) |
|------------|--------|------------------------|--------------------|-----|----|-----|-----|------|---------------|
| | | | A | B | C | ø D | ø E | GW | |
| | mm | N | mm | mm | mm | mm | mm | | kg |
| WM-Z 5-100 | 100 | 24000 | 320 | 220 | 25 | 50 | 18 | M 16 | 2,4 |
| WM-Z 5-200 | 200 | 24000 | 520 | 320 | 25 | 50 | 18 | M 16 | 3,2 |
| WM-Z 5-300 | 300 | 24000 | 720 | 420 | 25 | 50 | 18 | M 16 | 4,0 |
| WM-Z 5-400 | 400 | 24000 | 920 | 520 | 25 | 50 | 18 | M 16 | 4,7 |
| WM-Z 5-500 | 500 | 22000 | 1120 | 620 | 25 | 50 | 18 | M 16 | 5,5 |

2 Angle joint (DIN 71802)



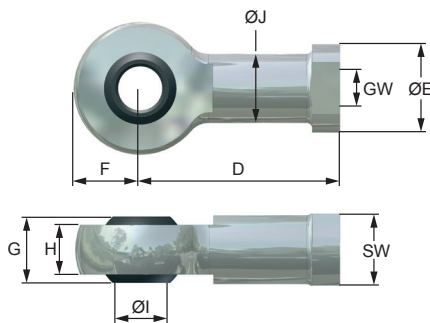
| GW* | D | ØE | F | G | H | I | J | SW |
|------|----|----|----|----|----|----|----|----|
| | mm | mm | mm | mm | mm | mm | mm | mm |
| M 16 | 45 | 22 | 20 | 28 | 30 | - | - | 16 |

3 Female rod clevis (DIN 71752)



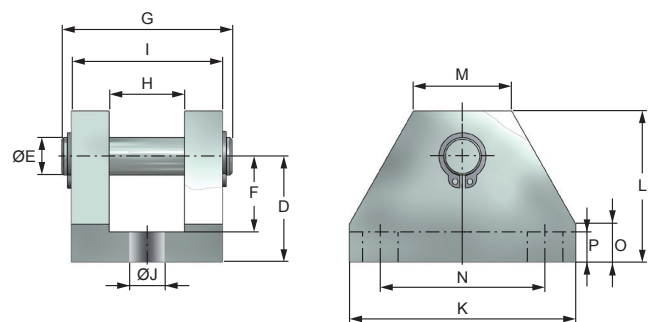
| | | | | | | |
|------|----|----|----|----|----|----|
| GW* | D | ØE | F | G | H | I |
| | mm | mm | mm | mm | mm | mm |
| M 16 | 64 | 16 | 32 | 32 | 16 | 83 |

4 Spherical end bearing (DIN 648, Series K, Series E on enquiry)



| GW* | D | ØE | F | G | H | I | J | SW |
|------|----|----|----|----|----|----|----|----|
| | mm | mm | mm | mm | mm | mm | mm | mm |
| M 16 | 64 | 27 | 21 | 21 | 15 | 16 | 20 | 22 |

5 Clevis flange
only use in combination with spherical end bearing (4)



| GW* | D | ØE | F | G | H | I | J | SW | K | L | M | N | O | P |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| M 16 | 38 | 16 | 28 | 60 | 26 | 55 | 11 | - | 75 | 55 | 30 | 55 | 15 | 10 |

Ordering Information

| WM-Z 5-100-K3G4-C | |
|-------------------|---|
| WM | Weforma |
| Z | Deceleration cylinder (Standard) |
| 5 | Diameter: 50 mm |
| 100 | Stroke: 100 mm |
| K3 | Piston rod mounting: female rod clevis |
| G4 | Housing mounting: spherical end bearing |
| C | Type of deceleration : A= Push, B= Pull, C= Push and Pull |

Important information

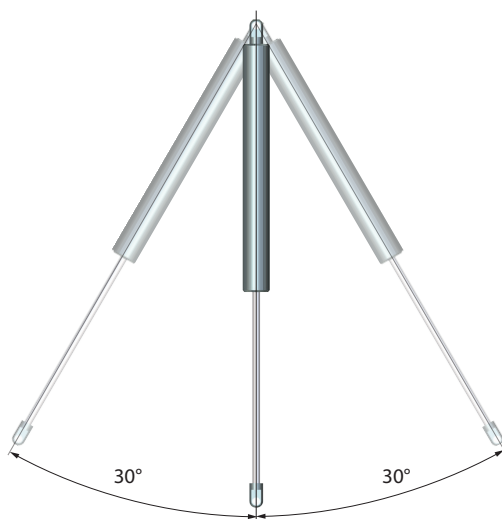
General Information

Shock absorber, deceleration cylinders and speed controls may under no circumstances be welded, painted or provided with clamps.



The products must be protected against contamination, fluids and air pressure. We offer special solutions for these applications. deceleration cylinder should be assembled only with the fixture indicated in the catalogue. When deceleration cylinders are used parallel the size of the model and the used degree of hardness / used adjustment has to be the same. The load has to be distributed equally. Upon the occurrence of vibrations and oscillation a written release by Weforma is required. A fixed stop must be set in the end positions 1 - 1,5 mm before the end of the stroke. 20% of the stroke without deceleration for the WM-Z series.

Mounting: WM-Z vertical,
Deviation: +/-30 from the axis



Adjustment:

Fixation of the piston rod in the extended position adjustment of the deceleration by turning the piston rod clockwise / counter clockwise
soft deceleration = rotating counter-clockwise
hard deceleration = rotating clockwise

Further hardness grades: on enquiry

