

Hydraulic Cylinders

Request Data

1. General Information

Request date:	Version:	Telephone:
Company:	E-mail:	
Contact person:	Application:	
Road:	Machine/ type:	
Postcode, location:	Required quantity:	Prototype quantity: Series quantity:
Country:	Requested delivery date:	Required quantity: Batch size:

2. Type of Cylinder

Differential cylinder
Synchronised cylinder
Plunger
Telescopic cylinder

4. Load Specifications

pressure / force / speed	piston side (extend)	rod side (retract)
Operating pressure	MPa	
Secondary pressure (protection/ PRV)	MPa	
Test pressure	MPa	
Known pressure peaks	MPa	
Max. speed	m/s	
Lateral force (shear force)	kN	
External compression and tension forces (kinematics)	Compression:	Tension:
Specifications	yes	no
Approx. Load / collective		
Min. operation time	oh	
Switching frequency	1/min	
Minimum of standards/ policies		

3. Dimensions

Piston-Ø:	mm
Piston rod-Ø:	mm
Stroke:	mm
Installation dimension retracted:	mm
Target weight:	kg
Sample drawing/ draft:	yes no

5. End cushioning

piston side
piston rod side
adjustable piston side
adjustable rod side

6. Environment

Used medium:
Operating temperature: °C
Ambient temperature: °C
Corrosive media (e.g. sea air):

7. Painting and Piston Rod Coating

Corrosion protection (AASS):	96h	240h	500h
	Special:	Rating:	
	hardened:	yes	no
Painting RAL:	Primer	Paint	
	Maritime (3-fold)	Seawater (2-fold)	

8. Mounting Types

MT4 Trunnion mounting



MF3 Flange mounting at cylinder head



MF4 Flange mounting at base



Basic form without mounting



MP3 Bushing at bottom



MP5 Spherical bearing at cylinder bottom



MS2 Foot mounting



Double-sided Spherical bearings



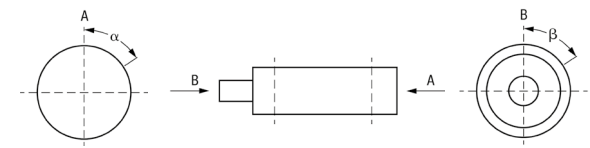
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9. Type of Connection and Size

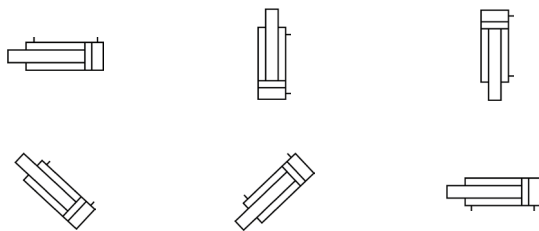
	Piston side		Rod side	
	yes	no	yes	no
Type of connection				
Bolt-/ thread-Ø	mm			
Head radius	mm			
Bearing width	mm			
Sealing bearing position	yes	no	yes	no
Lubrication bearing position	yes	no	yes	no

10. Alignment of oil connection terminals



Piston side	Oil connection size	Rod side
$\alpha = ^\circ$	e.g. SAE, M	$\beta = ^\circ$
	Angle (clockwise)	

11. Hydraulic Cylinder Installation Position



12. Options

Position transducer	Air Vent Port	
	yes	no
Output signal		
4-20mA	SAEJ1939	
0-10V	CANopen	
SSI	ISOBUS	
Other		

13. Documentation

As standard, an instruction manual is supplied with each hydraulic cylinder. Additional options may be subject to a charge.

spare part catalog

Maintenance & repair instructions

14. Further Requirements

Use / exchangeability of already existing components:

Scope of delivery / attachments:
e.g. valve blocks, pipelines, pressure vessels, clamp

Further comments:

For further questions, please contact us!

Please return completed form to: