

Hydraulic Cylinders

Request Data

*Required Fields

General Information

Request Date:	Telephone:		
Company:	E-Mail:		
Contact Person:	Application:		
Road:	Quantity Required:*	Prototype Quantity:*	Series Quantity:*
Postcode, Location:	Lot size:*		
Country:	Requested Delivery Date:*	Prototype Quantity:*	Series Quantity:*

2. Type of Cylinder*

- Differential cylinder
- Synchronised cylinder
- Plunger
- Telescopic cylinder

3. Dimensions

Piston-Ø: mm

Piston rod-Ø: mm

Stroke: mm

Installation dimension retracted: mm

Target weight: kg

Sample drawing/ draft: yes no

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)*	kN	Compression:	Tension:
Specifications	<input type="checkbox"/> yes <input type="checkbox"/> no		
Approx. Load / collective			
Min. operation time	oh		
Switching frequency*	1/min		
Minimum of standards/ policies*			

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	
Type of connection				
Bolt-/ thread-Ø	mm			
Head radius	mm			
Bearing width	mm			
Sealing bearing position	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
Lubrication bearing position	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no

10. Alignment of oil connection terminals

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

11. Hydraulic Cylinder Installation Position

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. Options

Position transducer	Air Vent Port
<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Output signal	
<input type="checkbox"/> 4-20mA	<input type="checkbox"/> SAEJ1939
<input type="checkbox"/> 0-10V	<input type="checkbox"/> CANopen
<input type="checkbox"/> SSI	<input type="checkbox"/> ISOBUS
<input type="checkbox"/> 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:

	Created	Audited	Approved	Revision
Date:				
Name:				

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