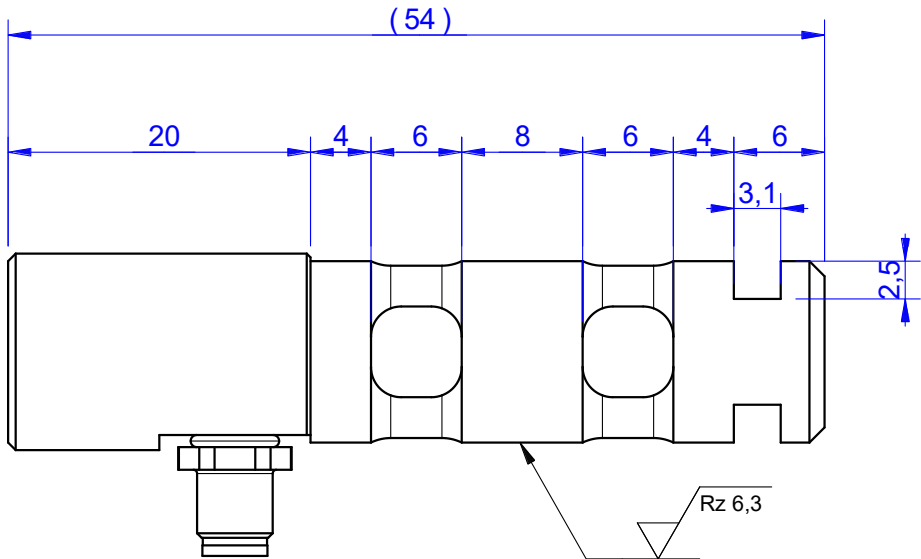
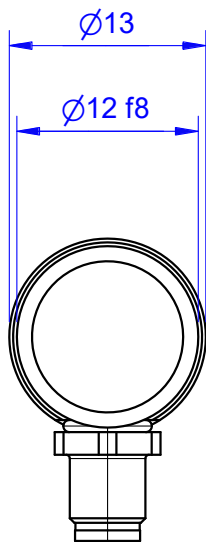


MB251(CBA12)

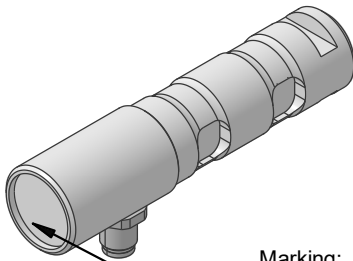
Load Pin

Content of Loadpin Datasheet

Page 1 ... General
Page 2 ... Mounting Situation
Page 3 ... Output Signal & Wiring



Ordernumber	Capacity [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
MB251-1-x-D	1	± 0,005	D
MB251-2-x-D	2	± 0,010	D
MB251-5-x-D	5	± 0,025	D
MB251-10-x-D*	10	± 0,050	D



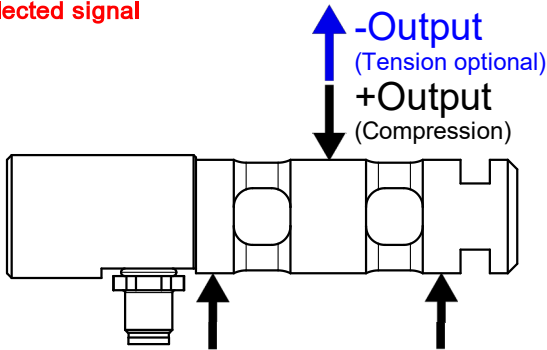
Marking:
Loadpin: MBx
Orderno.: MBx-xxx-x-x
Serialno.: xxxxxxxx
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* above showed version
fixed dimensions don't change at other capacity

Attention:
Measurable force-direction
depends on selected signal

Specifications:

Dimension / Material		
Material		Stainless Steel
Protection class		IP 66
Hardness (load area)	HRC	40..45
Mechanical Data		
Safe Load Limit	% of F.S.	150
Breaking Load	% of F.S.	300
Precision		
Nonlinearity	% of F.S.	±0,5
Nonrepeatability	% of F.S.	±0,25
Hysteresis	% of F.S.	±0,2
Temp. Shift Zero	% of F.S./K.	±0,05
Temp. Shift Span	% of F.S./K.	±0,05
Temperature		
Compensated Temp.	°C	-10...+60
Operating Temp.	°C	-20...+70



Batarow
Made in Germany

Batarow Sensorik GmbH
Gewerbegebiet 4
18276 Lüssow OT Karow

Mail: info@batarow.com
Phone: +49 (0) 3843-855555
Fax : +49 (0) 3843-855556

Internet:
www.batarow.com

Mounting Situation

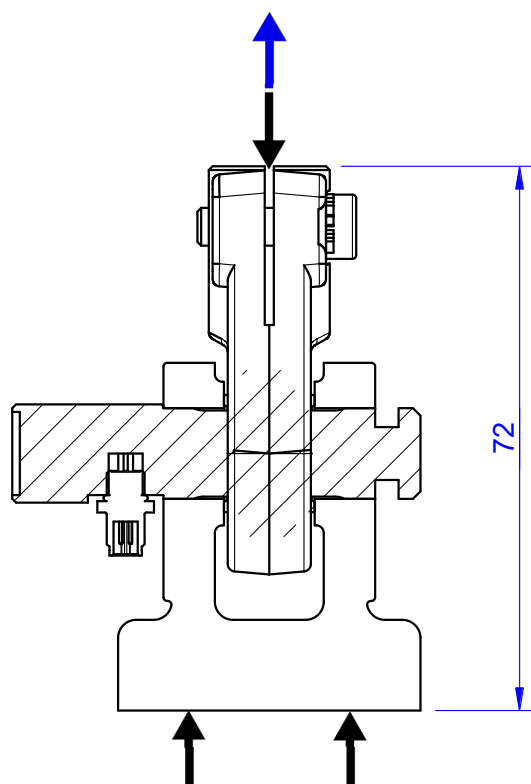
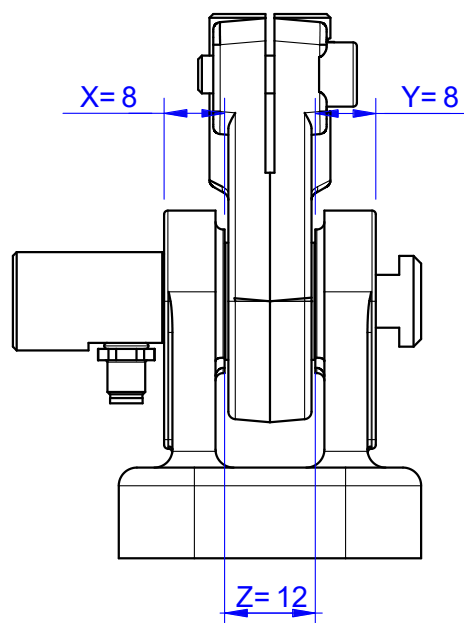
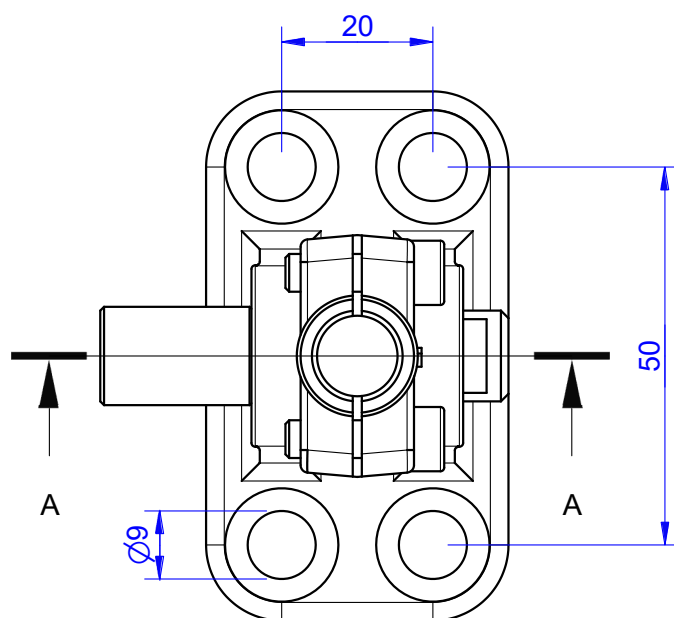
MB251(CBA12) Review: D

Bore fit of mounting situation: H7

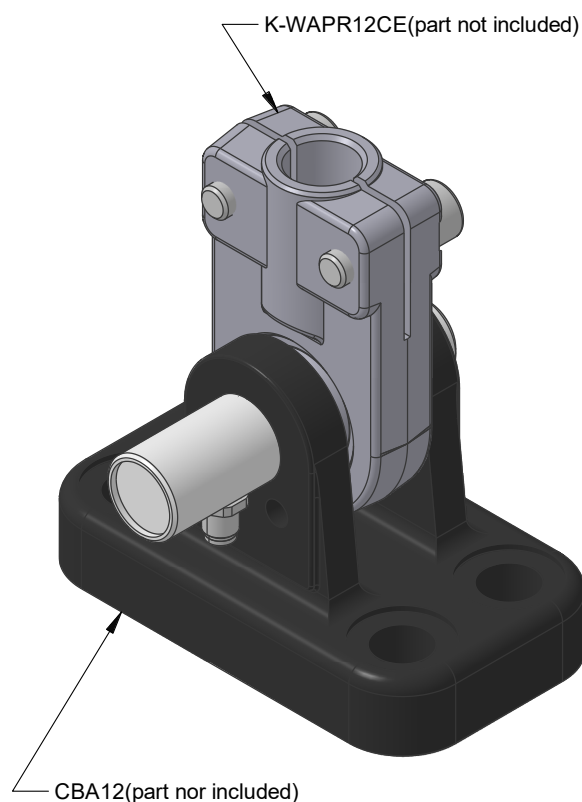
Configuration

possible mounting situation / customer mounting could vary

(Please describe mounting situation with Vs, Ws, Xs, Ys and Zs for best possible calibration)



Schnitt A-A



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Batarow Sensorik GmbH
Gewerbegebiet 4
18276 Lüssow OT Karow

Mail: info@batarow.com
Phone: +49 (0) 3843-855555
Fax : +49 (0) 3843-855556

Internet:
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Output Signal & Wiring

MB251(CBA12) Review: D

S1 - Analog Output mV/V

Electrical Data S1		
Rated Output @ F.S.	mV/V	1
Zero Balance	mV/V	±0,05
Supply Voltage Maximum	V	10
Input Resistance	Ω	450±100
Output Resistance	Ω	352±2
Insulating Resistance	GΩ	>5

Wiringcode: WC538			 View: plug side
Connector: M5-4P (male plug)			
Supply (US+)	Pin 1	Output (UD+)	Pin 3
Supply (US-)	Pin 2	Output (UD-)	Pin 4

Ordernumber Add-On:
MBxxx-x-S1-x

Attention: Nipple orientation of connector is not fixed. In case of 90° connector - it is necessary to set by customer.

*Attention: With this output configuration is no negative signal (Tension) possible. Please ask our engineering for 4..12..20mA; 1..5..9V or ±10V versions.

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Gewerbegebiet 4
18276 Lüssow OT Karow

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Fax : +49 (0) 3843-855556

Internet:
www.batarow.com