

MB1463

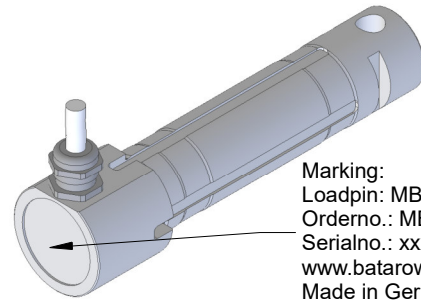
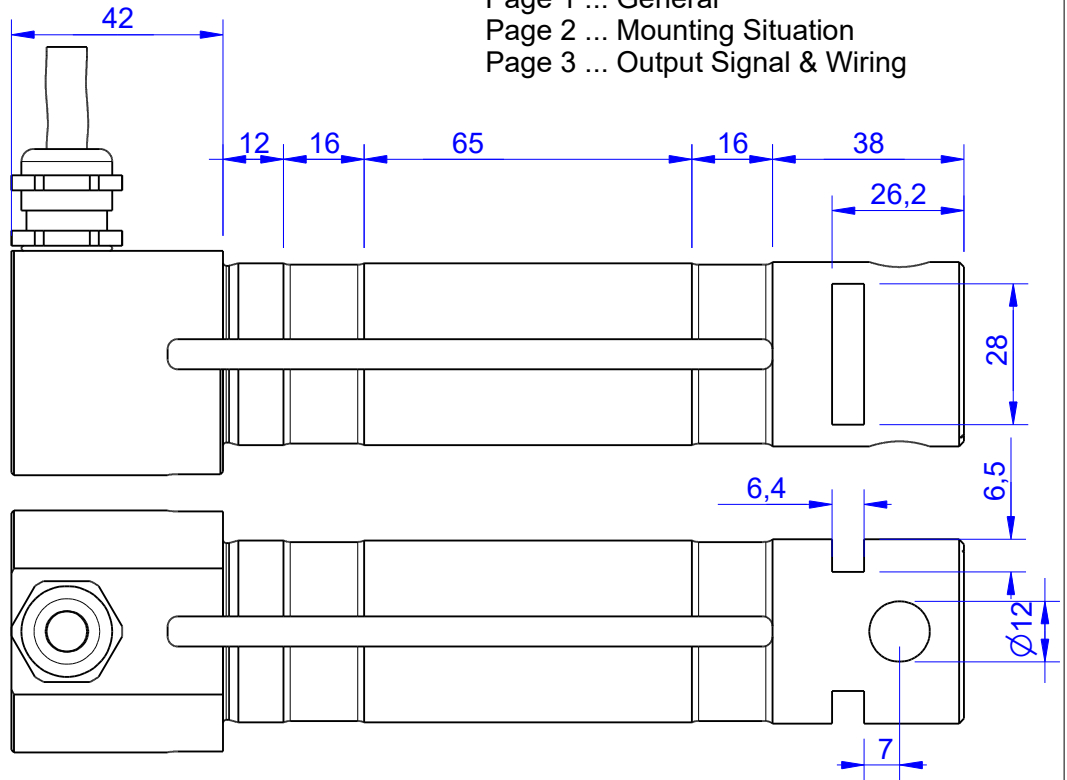
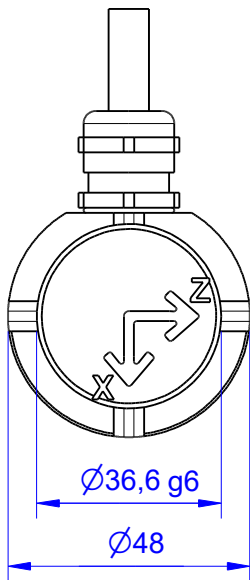
2 Axis Load Pin

Content of Loadpin Datasheet

Page 1 ... General

Page 2 ... Mounting Situation

Page 3 ... Output Signal & Wiring



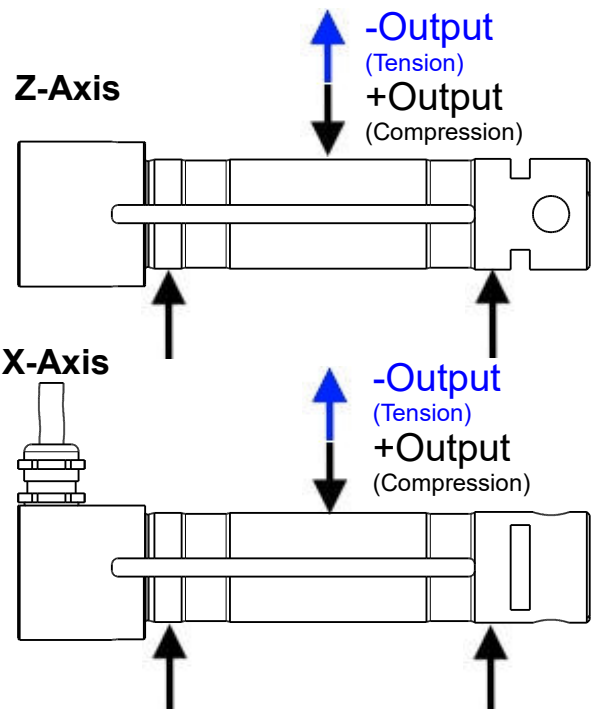
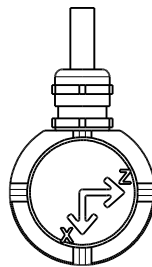
Marking:
Loadpin: MBx
Orderno.: MBx-xxx-x-x
Serialno.: xxxxxxxx
www.batarow.com
Made in Germany

Ordernumber	Capacity [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
MB1463-20-x-F	20	± 0,01	F
MB1463-50-x-F	50	± 0,25	F
MB1463-100-x-F*	100	± 0,50	F

* above showed version
fixed dimensions don't change at other capacity

Specifications:

Dimension / Material		Stainless Steel
Material		Stainless Steel
Protection class		IP 66
Hardness (load area)	HRC	40..45
Mechanical Data		
Safe Load Limit	% of F.S.	120
Breaking Load	% of F.S.	250
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

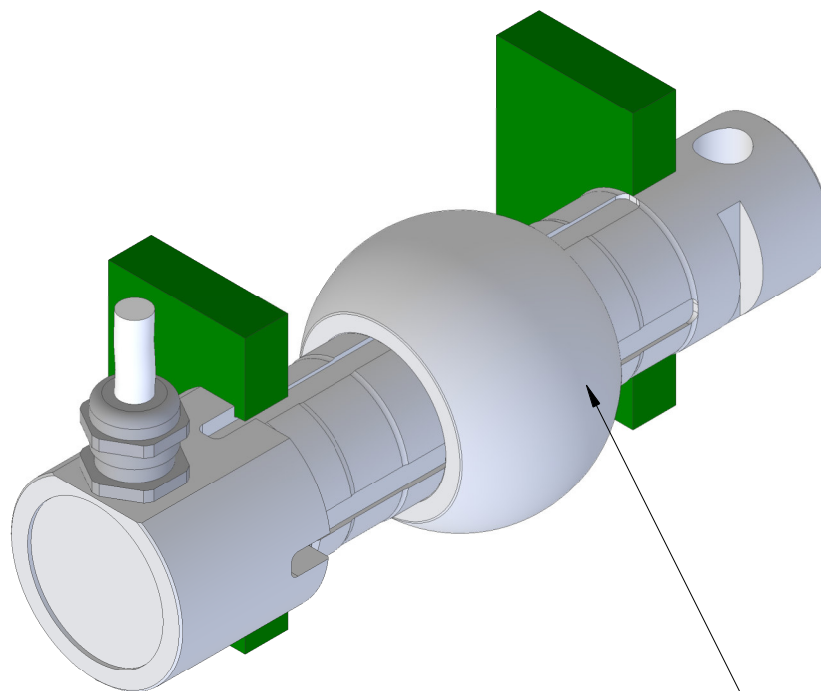
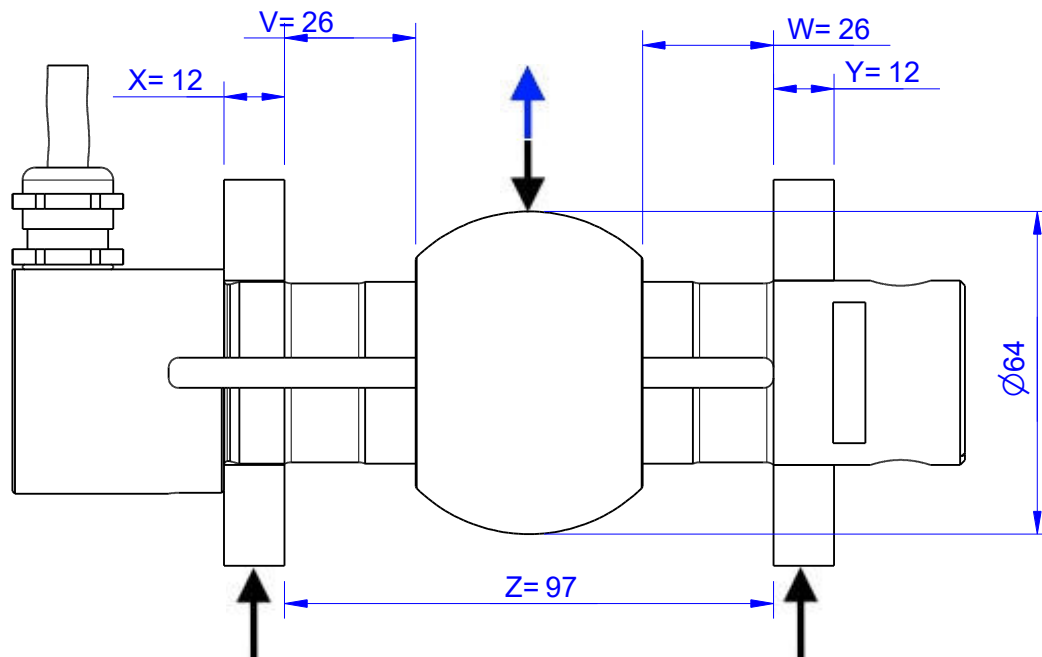
MB1463 Review: F

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)



Lower link ball not included

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

Output Signal & Wiring

MB1463 Review: F

Analog Output mV/V (S1)

Electrical Data		
Rated Output	mV/V@F.S.	1
Zero Balance	mV/V	±0,05
Excitation (Maximum)	Volt	10
Input Resistance	Ohm	450±100
Output Resistance	Ohm	352±2
Insulating Resistance	GOhm	>5

Analog Output 1V..10V (U1)*

Electrical Data U1		
Output @ 0kN	V	0
Output @ F.S.	V	10
Supply Voltage	V	14..28
Current Consumption	mA	25 (@ 24V)
Bandwidth	kHz	1

Analog Output 4..20mA (I1)*

Electrical Data I1		
Output @ 0kN	mA	4
Output @ F.S.	mA	20
Supply Voltage	V	14..28
Current Consumption	mA	45 (@ 24V)
Bandwidth	kHz	1

Analog & Switch Output 0V..10V (U20)*

Electrical Data U20		
Output @ 0kN	V	0
Output @ F.S.	V	10
Supply Voltage	V	9..28
Current Consumption	mA	15 (@ 24V)
Bandwidth	Hz	2000
Switching Output		Open Collector
max. Switching current	mA	100

Analog & Switch Output 4..20mA (I20)*

Electrical Data I20		
Output @ 0kN	mA	4
Output @ F.S.	mA	20
Supply Voltage	V	9..28
Current Consumption	mA	35 (@ 24V)
Bandwidth	Hz	2000
Switching Output		Open Collector
max. Switching current	mA	100

Wiringcode: WC59			
Cabeling: 10m 4x2x025 PUR			
+Us (Fx)	brown	+Us (Fy)	pink
-Us (Fx)	white	-Us (Fy)	grey
+Ud (Fx)	green	+Ud (Fy)	blue
-Ud (Fx)	yellow	-Ud (Fy)	red

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

Wiringcode: WC500			
integrated Amplifier: 2xGSV6			
Cabeling: 10m 2x4x0,14			
X-Axis		Y-Axis	
Supply (+)	brown	Supply (+)	brown
Ground (-)	white	Ground (-)	white
Output	green	Output	pink
Tare	yellow	Tare	blue
Scale	grey	Scale	red

Ordernumber Add-On:
MBxxx-x-U1-x

Wiringcode: WC500			
integrated Amplifier: 2xGSV6			
Cabeling: 10m 2x4x0,14			
X-Axis		Y-Axis	
Supply (+)	brown	Supply (+)	brown
Ground (-)	white	Ground (-)	white
Output	green	Output	pink
Tare	yellow	Tare	blue
Scale	grey	Scale	red

Ordernumber Add-On:
MBxxx-x-I1-x

Wiringcode: WC500			
integrated Amplifier: 2xGSV6			
Cabeling: 10m 2x4x0,14			
X-Axis		Y-Axis	
Supply (+)	brown	Supply (+)	brown
Ground (-)	white	Ground (-)	white
Output	green	Output	pink
Tare	yellow	Tare	blue
Scale	grey	Scale	red

Ordernumber Add-On:
MBxxx-x-U20-x

Wiringcode: WC500			
integrated Amplifier: 2xGSV6			
Cabeling: 10m 2x4x0,14			
X-Axis		Y-Axis	
Supply (+)	brown	Supply (+)	brown
Ground (-)	white	Ground (-)	white
Output	green	Output	pink
Tare	yellow	Tare	blue
Scale	grey	Scale	red

Ordernumber Add-On:
MBxxx-x-I20-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.

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