

# MB1483

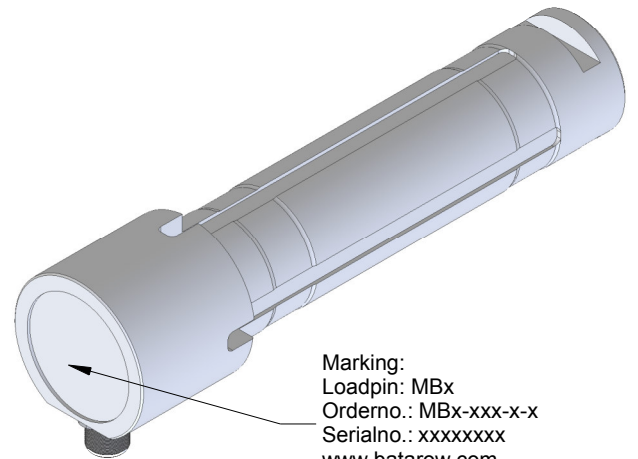
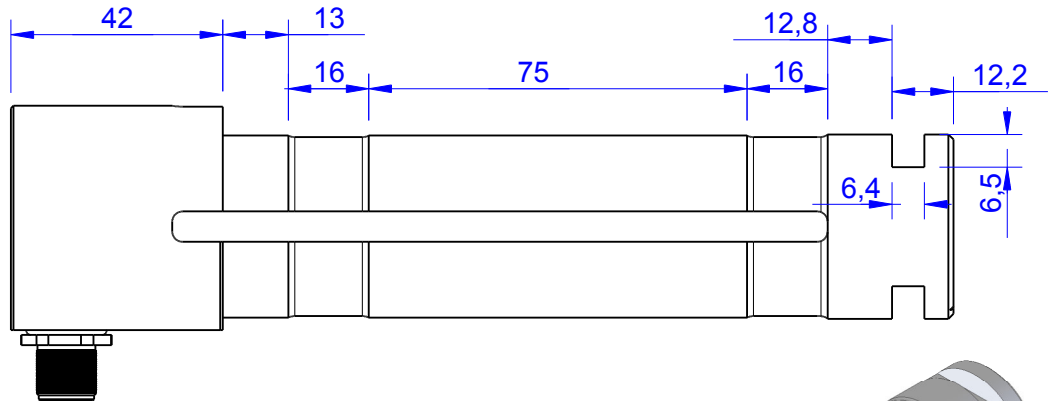
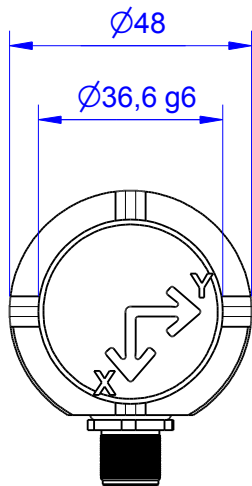
2 Axis Load Pin

## Content of Loadpin Datasheet

Page 1 ... General

Page 2 ... Mounting Situation

Page 3 ... Output Signal & Wiring



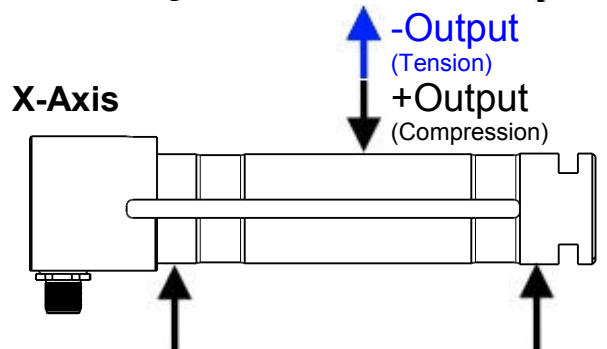
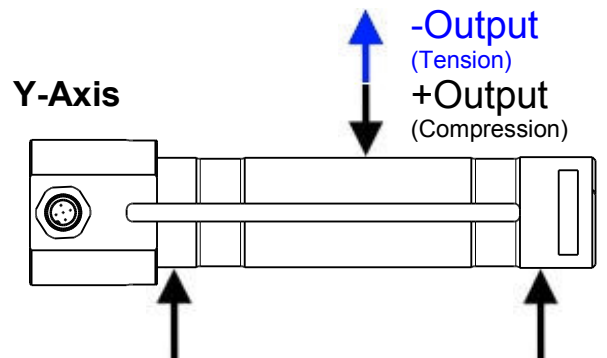
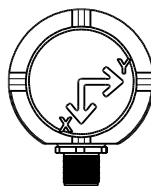
Marking:  
Loadpin: MBx  
Orderno.: MBx-xxx-x-x  
Serialno.: xxxxxxxx  
www.batarow.com  
Made in Germany

Order-number	Capacity (F.S.)	Uncertainty (k=2)	Review
MB1483-10-x-A	10 kN	±0,05kN	A
MB1483-20-x-A	20 kN	±0,10 kN	A
MB1483-50-x-A	50 kN	±0,25 kN	A
MB1483-100-x-A	100 kN	±0,50 kN	A
MB1483-150-x-A*	150 kN	±0,75 kN	A

\* above showed version  
The fixed dimensions don't change at the other capacity.

### Specifications:

Dimension / Material		Steel **
Material		Steel **
Protection class		IP 66
Hardness (load area)	HRC	±58
<b>Mechanical Data</b>		
Safe Load Limit	% of F.S.	120
Breaking Load	% of F.S.	200
<b>Precision</b>		
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
<b>Temperature</b>		
Compensated Temp.	°C	-10...+60
Operating Temp.	°C	-20...+70



\*\* Attention steel surface may corrode!

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Made in Germany

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# Mounting Situation

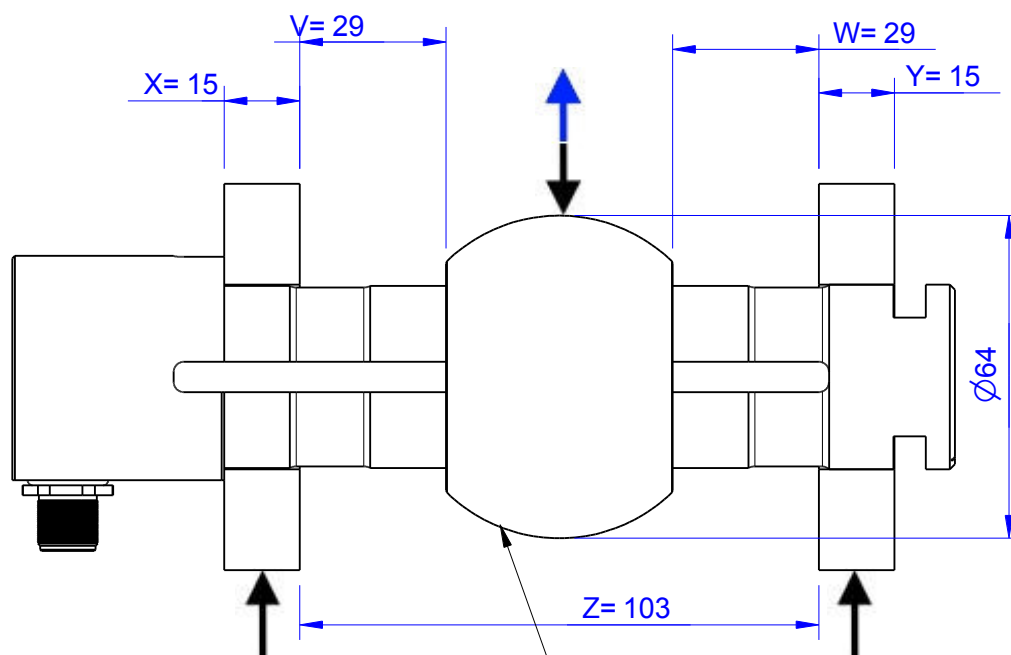
MB1483 Review: A

Bore fit of mounting situation: H7

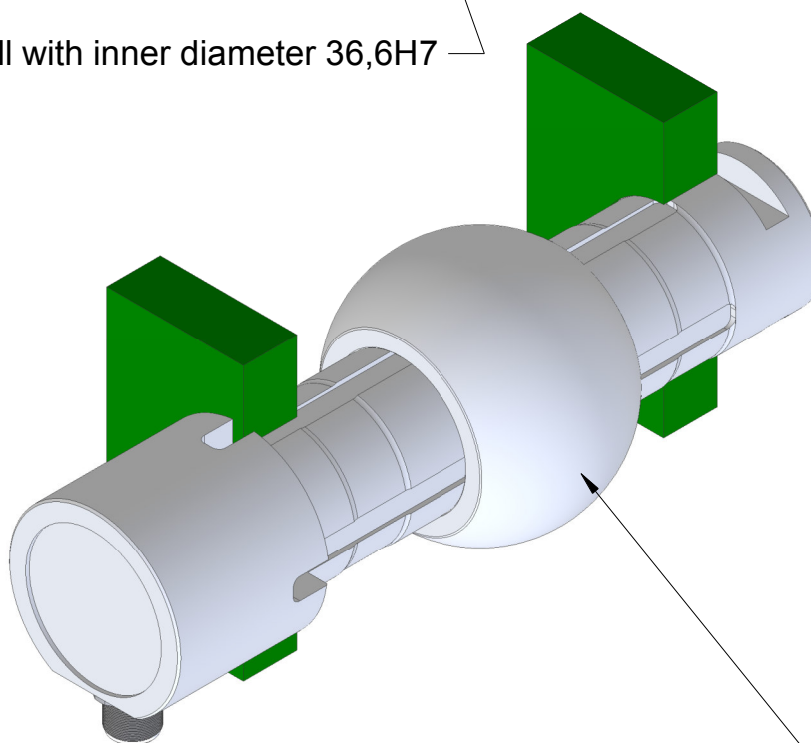
## Configuration

possible mounting situation / customer mounting could vary

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



Attention: use ball with inner diameter 36,6H7



**Lower link ball not included**

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# Output Signal & Wiring

MB1483 Review: A

## Analog Output mV/V (S1)

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


Wiringcode: WC59			
Cabeling: 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

## 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

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

Wiringcode: WC510			
Integrated Amplifier:GSV			
Cabeling: M12 Male Socket / Flanschstecker (male)			
Supply(+)	Pin 1	Output X-Axis	Pin 4
Ground(-)	Pin 3	Output Y-Axis	Pin 6
Tare X	Pin 2	Tare Y	Pin 7
Scale X	Pin 5	Scale Y	Pin 8




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

## 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

Wiringcode: WC510			
Integrated Amplifier:GSV			
Cabeling: M12 Male Socket / Flanschstecker (male)			
Supply(+)	Pin 1	Output X-Axis	Pin 4
Ground(-)	Pin 3	Output Y-Axis	Pin 6
Tare X	Pin 2	Tare Y	Pin 7
Scale X	Pin 5	Scale Y	Pin 8




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

## 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

Wiringcode: WC510			
Integrated Amplifier:GSV			
Cabeling: M12 Male Socket / Flanschstecker (male)			
Supply(+)	Pin 1	Output X-Axis	Pin 4
Ground(-)	Pin 3	Output Y-Axis	Pin 6
Tare X	Pin 2	Tare Y	Pin 7
Scale X	Pin 5	Scale Y	Pin 8




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

## 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: WC510			
Integrated Amplifier:GSV			
Cabeling: M12 Male Socket / Flanschstecker (male)			
Supply(+)	Pin 1	Output X-Axis	Pin 4
Ground(-)	Pin 3	Output Y-Axis	Pin 6
Tare X	Pin 2	Tare Y	Pin 7
Scale X	Pin 5	Scale Y	Pin 8



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.

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