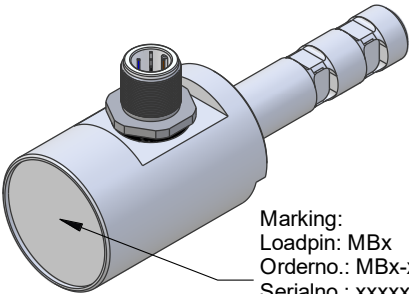
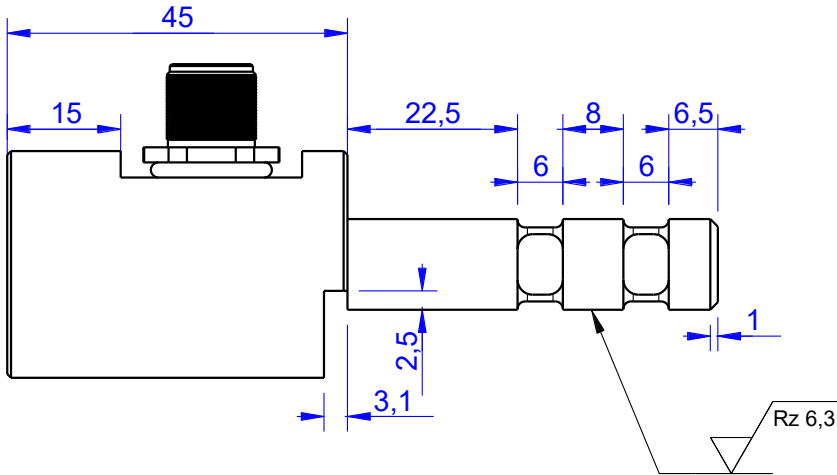
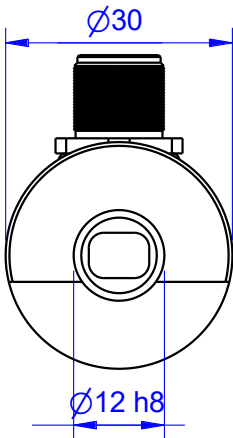


MB1842

Load Pin



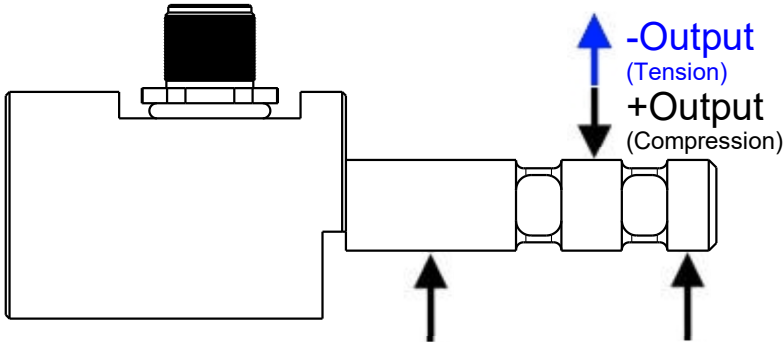
Marking:
Loadpin: MBx
Orderno.: MBx-xxx-x-x
Serialno.: xxxxxxxx
www.batarow.com
Made in Germany

Ordernumber	Capacity [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
MB1842-1-x-C	1	± 0,005	C
MB1842-1,5-x-C	1,5	± 0,008	C
MB1842-2-x-C	2	± 0,010	C
MB1842-2,15-x-C*	2,15	± 0,011	C
MB1842-2,5-x-C	2,5	± 0,013	C

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

Specifications:

Dimension / Material		
Material		Stainless Steel
Protection class		IP 64
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



Mounting Situation

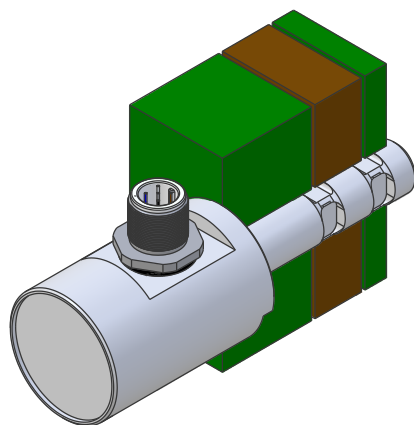
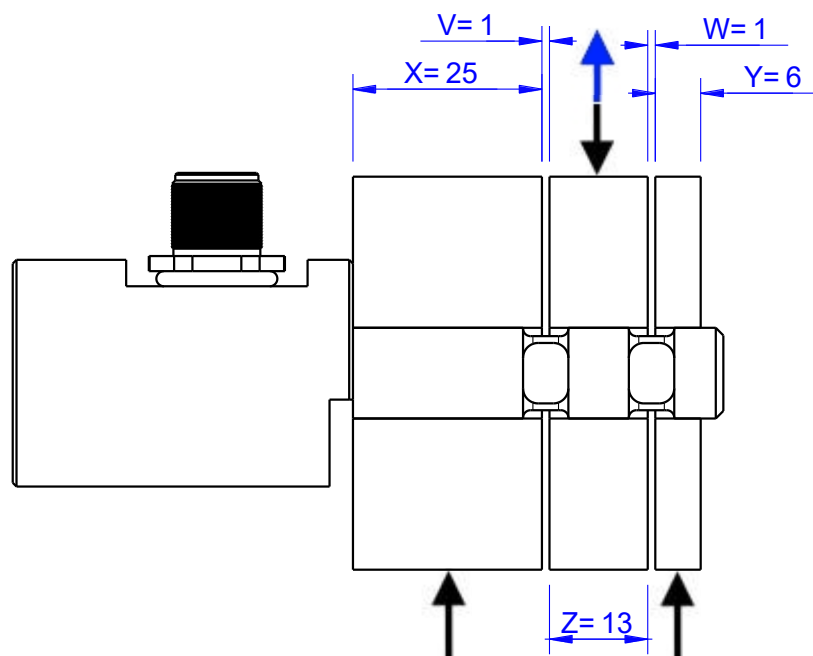
MB1842 Review: C

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)



Output Signal & Wiring

MB1842 Review: C

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

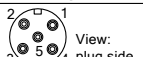
Wiringcode: WC58		Connectortype: M12 (male)			
	Excitation (+)	Excitation (-)	Bridge (+)	Bridge (-)	
Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	

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

Analog Output 0V..10V (U4)

!!! Achtung weicht vom Standard ab !!!

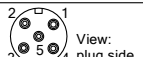
Electrical Data U4		
Output @ -F.S.	V	1
Output @ 0kN	V	5
Output @ +F.S.	V	9
Supply Voltage	V	14..28
Current Consumption	mA	25 (@ 24V)
Bandwidth	kHz	1

Wiringcode: WC46		Connectortype: M12 (male plug)			
	Supply (+)	Output	GND	Tara	Scale
	Pin 1	Pin 4	Pin 3	Pin 2	Pin 5

Ordernumber Add-On:
MBxxx-x-U4-x

Analog Output 4..20mA (I4)

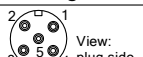
Electrical Data I4		
Output @ -F.S.	mA	4
Output @ 0kN	mA	12
Output @ +F.S.	mA	20
Supply Voltage	V	9..28
Current Consumption	mA	25 (@ 24V)
Bandwidth	kHz	1

Wiringcode: WC46		Connectortype:M12 (male plug)				
	Supply (+)	Output	GND	Tara	Scale	
	Pin 1	Pin 4	Pin 3	Pin 2	Pin 5	

Ordernumber Add-On:
MBxxx-x-I4-x

Analog Output -10V..10V (U42)

Electrical Data U42		
Output @ 0kN	V	0
Output @ ±F.S.	V	±10
Supply Voltage	V	14..28
Current Consumption	mA	25 (@ 24V)
Bandwidth	kHz	5

Wiringcode: WC46		Connectortype:M12 (male plug)			
	Supply (+)	Output	GND	Tara	Scale
	Pin 1	Pin 4	Pin 3	Pin 2	Pin 5

Ordernumber Add-On:
MBxxx-x-U42-x

Analog Output 4..20mA (I42)

Electrical Data I42		
Output @ -F.S.	mA	4
Output @ 0kN	mA	12
Output @ +F.S.	mA	20
Supply Voltage	V	9..28
Current Consumption	mA	25 (@ 24V)
Bandwidth	kHz	5

Wiringcode: WC46		Connectortype: M12 (male plug)			
 View: plus side	Supply (+)	Output	GND	Tara	Scale
	Pin 1	Pin 4	Pin 3	Pin 2	Pin 5

Ordernumber Add-On:
MBxxx-x-I42-x