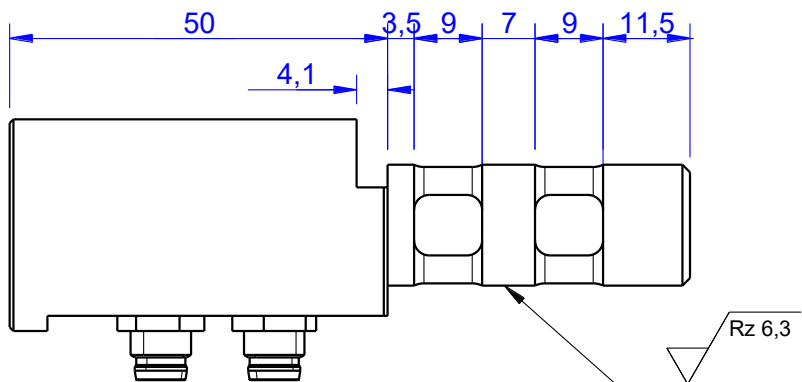
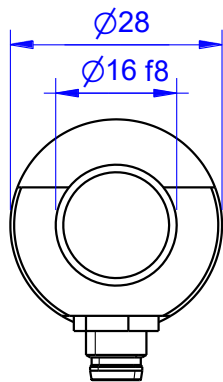


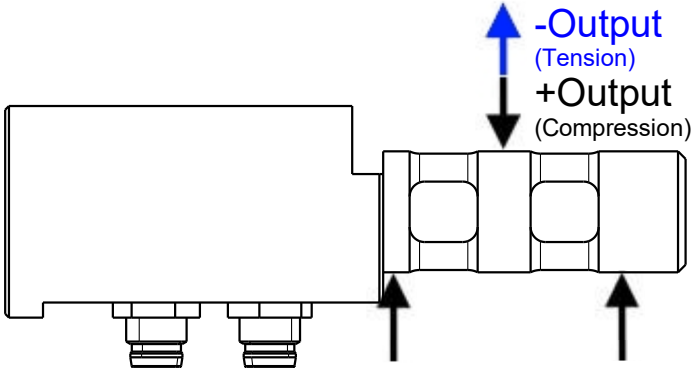
Marking:
Loadpin: MBx
Orderno.: MBx-xxx-x-x
Serialno.: xxxxxxxx
www.batarow.com
Made in Germany

Table with 4 columns: Ordernumber, Capacity [kN] (F.S.), Uncertainty [kN] (k=2), Review. Rows include MB1850-2-x-A, MB1850-4-x-A, MB1850-10-x-A, MB1850-16-x-A*, and MB1850-20-x-A.

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

Specifications:

Table with 3 columns: Dimension / Material, Material, and values. Rows include Mechanical Data (Safe Load Limit, Breaking Load), Precision (Nonlinearity, Nonrepeatability, Hysteresis, Temp. Shift), and Temperature (Compensated Temp., Operating Temp.).



Mounting Situation

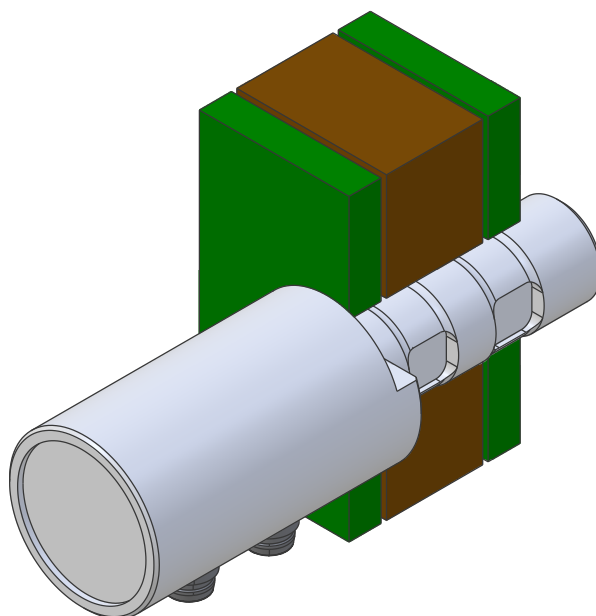
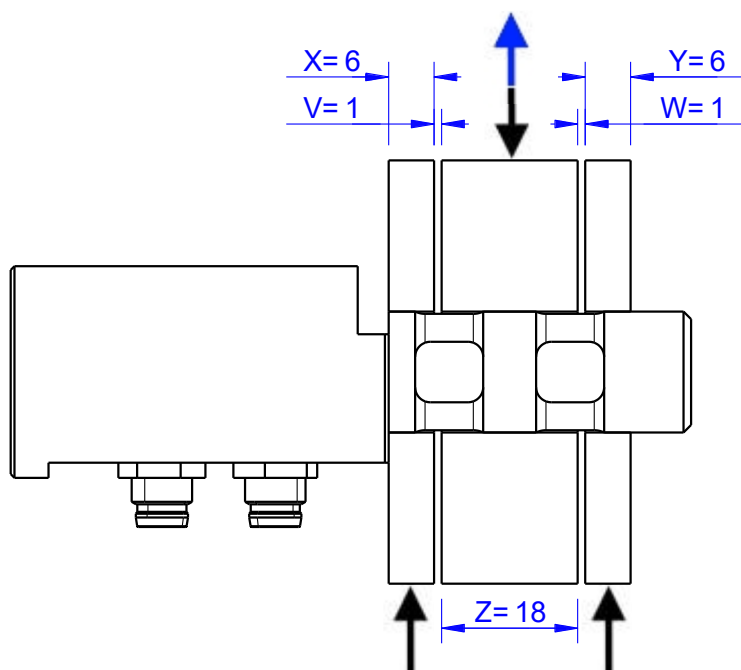
MB1850 Review: A

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)



Output Signal & Wiring

MB1850 Review: A

Analog Output 4..20mA (I4)

Master

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: WC523		Connectortype: M8 (male plug)				
	View: plug side	Supply (+)	Output	GND	Tara	Scale
		Pin 1	Pin 4	Pin 3	Pin 2	Pin 5

Slave

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

Wiringcode: WC523		Connectortype: M8 (male plug)				
	View: plug side	Supply (+)	Output	GND	Tara	Scale
		Pin 1	Pin 4	Pin 3	Pin 2	Pin 5

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

Performance Level

MB1850 Review: A

1. Identification:

ISO 13849-1: 2008 Category 1 PL c

2. Classification:

Used standard: DIN EN ISO 13849-1: 2008

Performance Level: Plc

Category: 1

Diagnostic coverage: Low

MTTFd-value: 38,6 years

3. Limits for the operation:

All technical information from datasheet have to be considered.

Deviations lead to loss of safety functions: Attention

Only use the loadpin within the temperature limits of -20° C to +70 ° C

Use the right range of supply voltage

Protect the loadpin of mechanical overload

4. Lifetime

The calculations are based on a lifetime of 20 years in continuous operation with a maximum duty cycles of from 250,000 cycles per year.

5. Error display:

The error display is performed by the undershoot and overshoot of the signal.

Current output:

Error 1: the output current is less 3.5mA

Error 2: the output current is greater 20.5mA