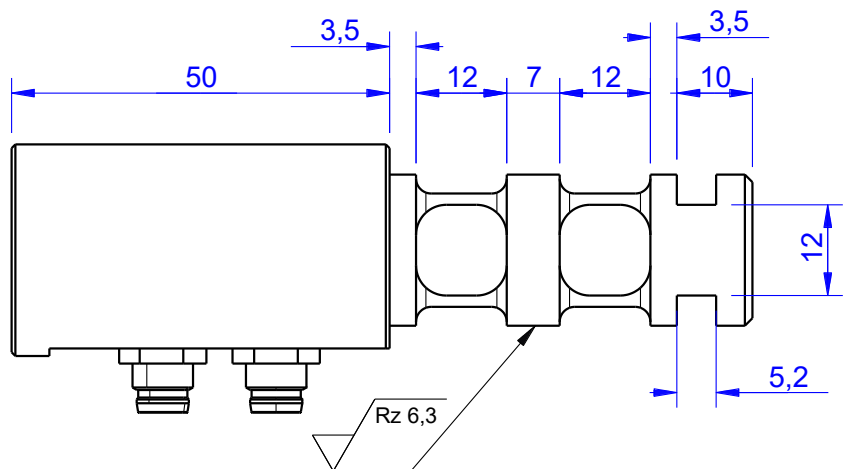
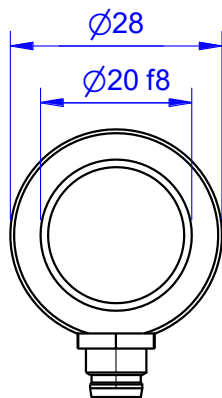


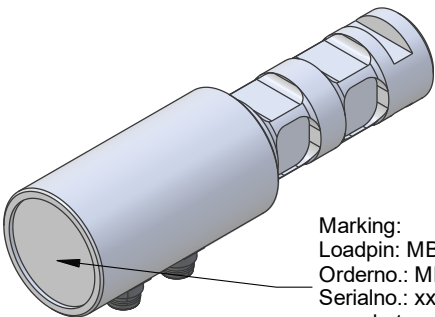
MB1853

Redundant Load Pin



Ordernumber	Capacity [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
MB1853-2-x-A	2	± 0,010	A
MB1853-5-x-A	5	± 0,025	A
MB1853-10-x-A*	10	± 0,050	A
MB1853-20-x-A	20	± 0,100	A
MB1853-30-x-A	30	± 0,150	A

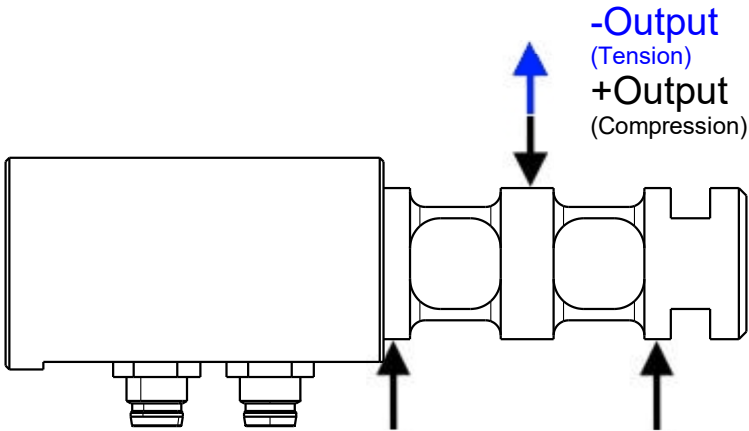
* above showed version
fixed dimensions don't change at other capacity



Marking:
Loadpin: MBx
Orderno.: MBx-xxx-x-x
Serialno.: xxxxxxxx
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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

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Internet:
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Mounting Situation

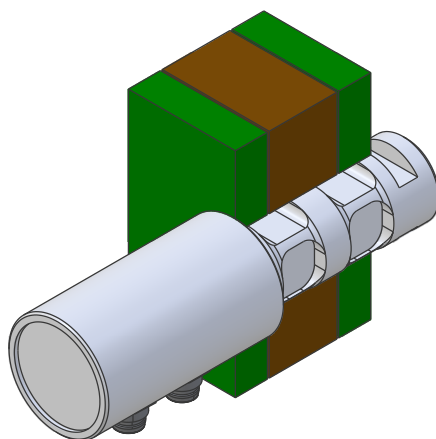
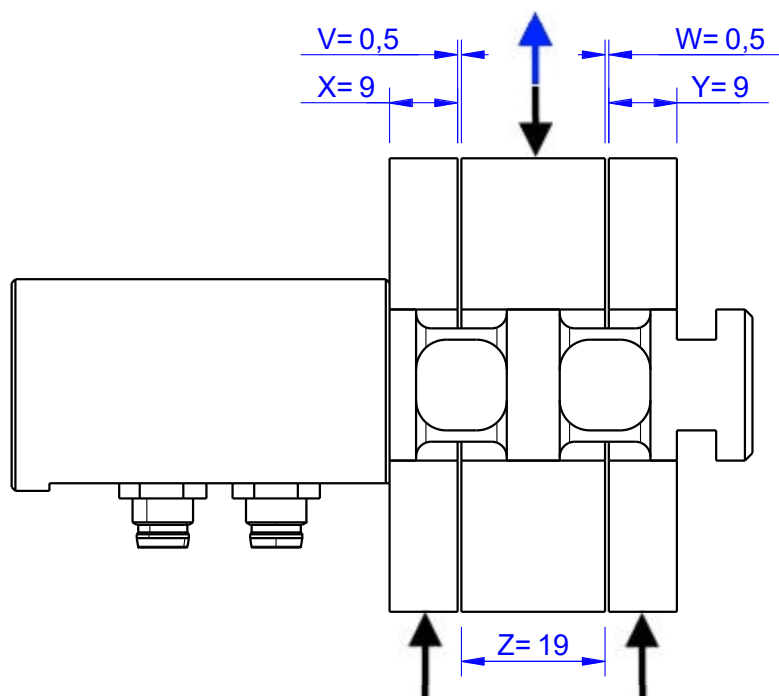
MB1853 Review: A

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

MB1853 Review: A

Analog Output 4..20mA (I1)*

Master

Electrical Data I1		
Output @ 0kN	mA	4
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 I1		
Output @ 0kN	mA	4
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

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

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

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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