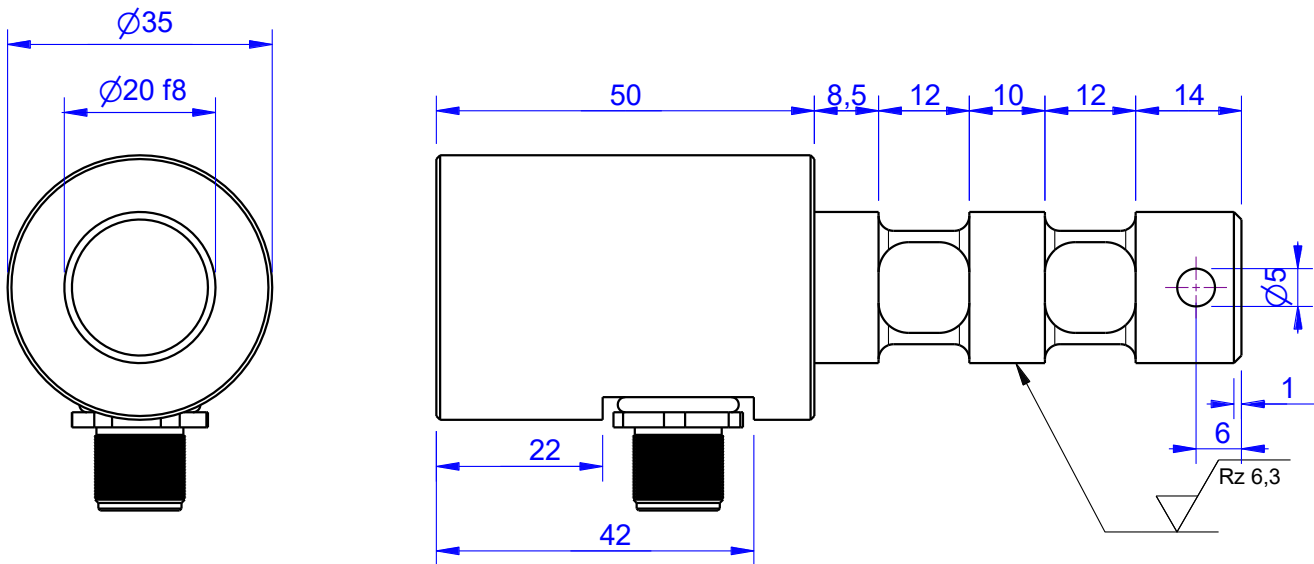


MB1734

Load Pin

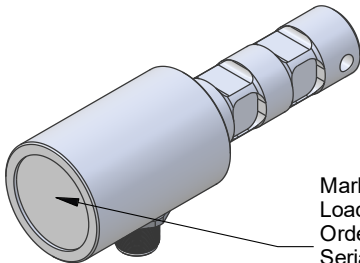
Content of Loadpin Datasheet

Page 1 ... General
Page 2 ... Mounting Situation
Page 3 ... Output Signal & Wiring



Ordernumber	Capacity [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
MB1734-2-x-A	2	± 0,010	A
MB1734-3-x-A	3	± 0,015	A
MB1734-5-x-A	5	± 0,025	A
MB1734-10-x-A	10	± 0,050	A
MB1734-15-x-A*	15	± 0,075	A

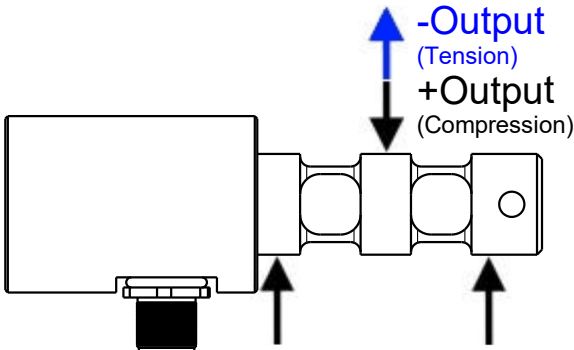
* above showed version
fixed dimensions don't change at other capacity



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.	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



Mounting Situation

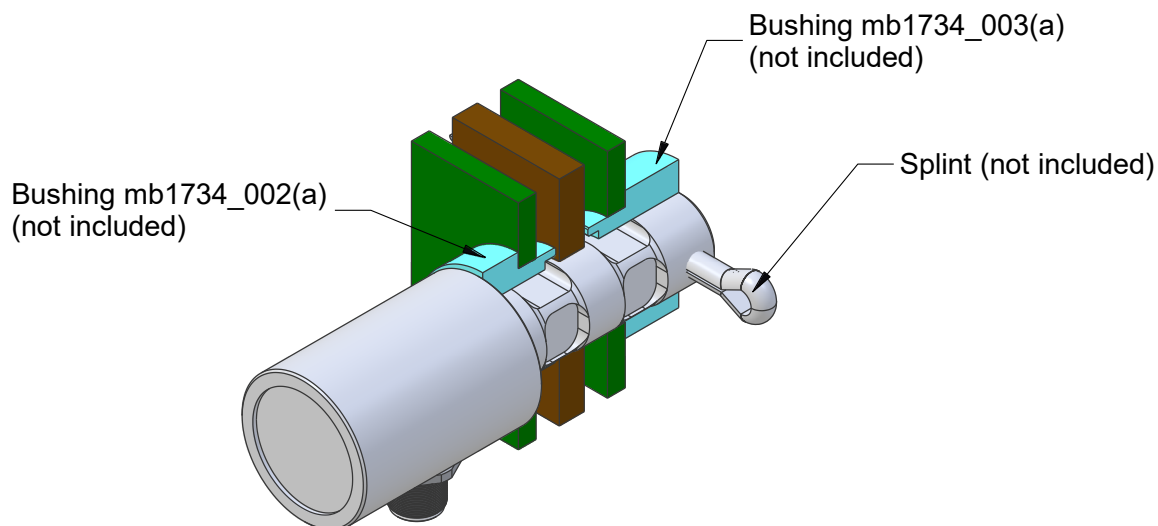
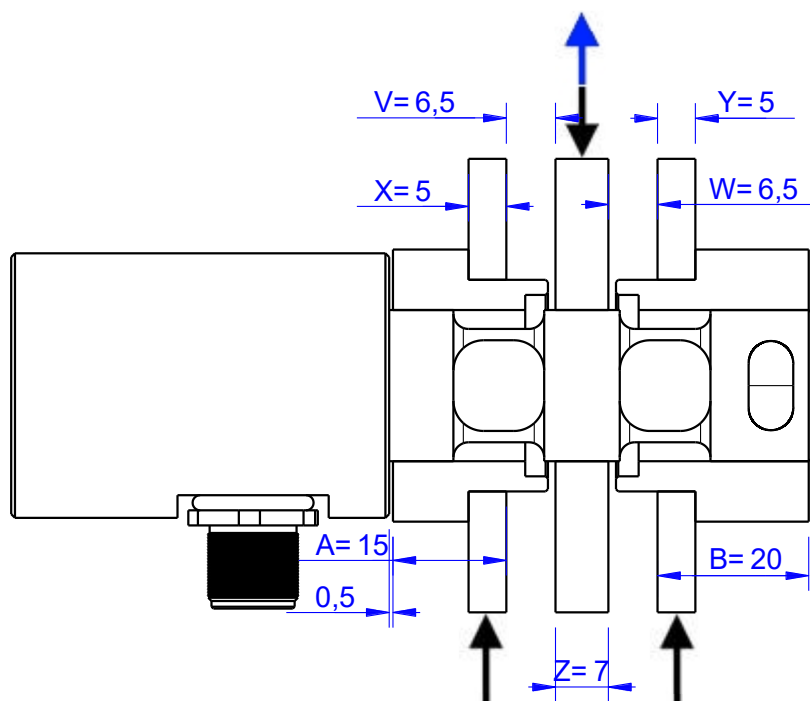
MB1734 Review: A

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

MB1734 Review: A

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

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

WC535				Integrated Amplifier GSV6L			
Cabeling: M12 Male Socket / Flanschstecker (male)							
Supply(+)	GND Supply(-)	Output	Tare	Scale	Threshold	Shunt Cal. Res.	n.c.
Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8

Analog Output 0V..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-U1-x

WC535				Integrated Amplifier GSV6L			
Cabeling: M12 Male Socket / Flanschstecker (male)							
Supply(+)	GND Supply(-)	Output	Tare	Scale	Threshold	Shunt Cal. Res.	n.c.
Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8

Functions:

Threshold Output SW1:

Open collector, 100mA, 24V DC; adjusted to 2,5kN
(closed: This means the open collector is pulled to GND)
(open: This means the open collector is not pulled to GND)

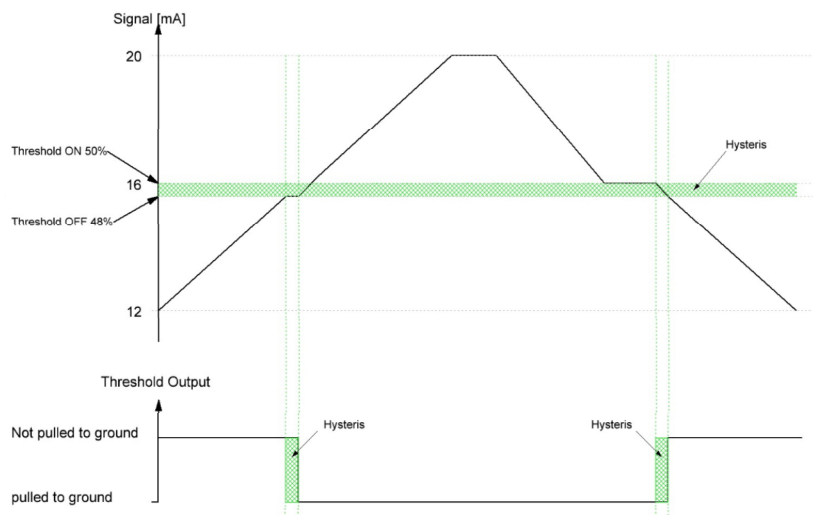
- closed 2,5..5kN Threshold ON @ 50%
- open 0..2,5kN Threshold OFF @ 48% (2% hysteresis)

Shunt Calibration Input Shunt:

- active > 18V DC;

Shunt Calibration Output Signal:

- Signal lift 6mA $\pm$ 0.3 mA



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 $\pm$ 10V versions.

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Made in Germany

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