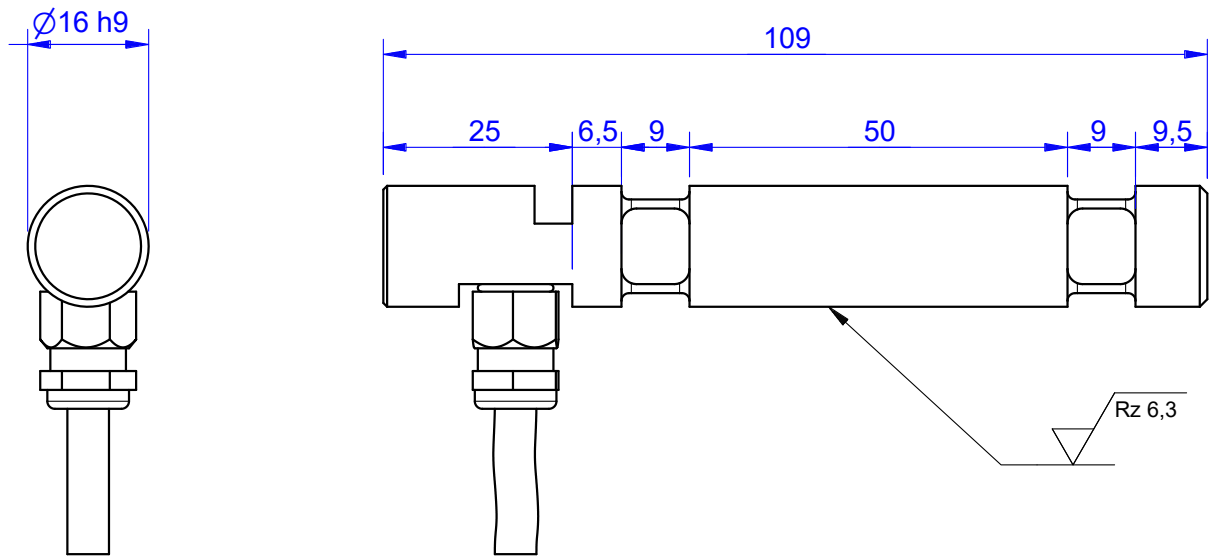
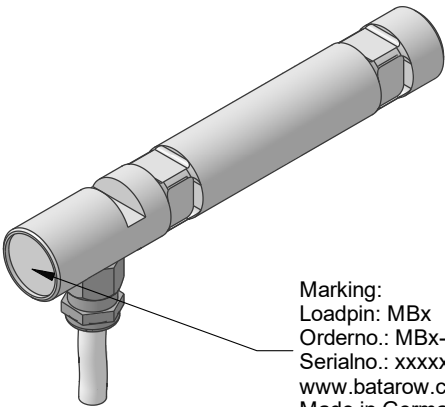


# MB2040

Load Pin



| Ordernumber   | Capacity [kN]<br>(F.S.) | Uncertainty [kN]<br>(k=2) | Review |
|---------------|-------------------------|---------------------------|--------|
| MB2040-2-x-A  | 2                       | $\pm 0,01$                | A      |
| MB2040-5-x-A* | 5                       | $\pm 0,025$               | A      |
| MB2040-8-x-A  | 8                       | $\pm 0,04$                | A      |
| MB2040-10-x-A | 10                      | $\pm 0,05$                | A      |

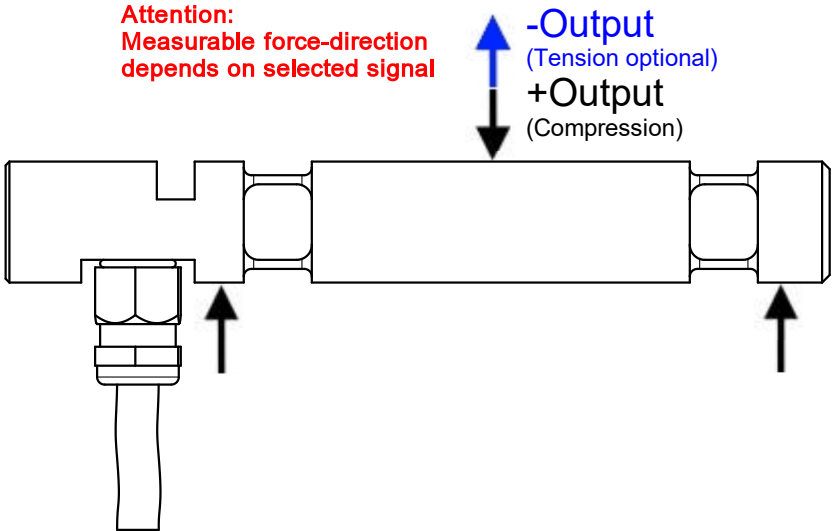


Marking:  
Loadpin: MBx  
Orderno.: MBx-xxx-x-x  
Serialno.: xxxxxxxx  
www.batarow.com  
Made in Germany

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

## Specifications:

| Dimension / Material   |                    |                 |
|------------------------|--------------------|-----------------|
| Material               |                    | Stainless Steel |
| Protection class       |                    | IP 66           |
| Hardness (load area)   | HRC                | 40..45          |
| <b>Mechanical Data</b> |                    |                 |
| Safe Load Limit        | % of F.S.          | 150             |
| Breaking Load          | % of F.S.          | 300             |
| <b>Precision</b>       |                    |                 |
| Nonlinearity           | % of F.S.          | $\pm 0,5$       |
| Nonrepeatability       | % of F.S.          | $\pm 0,25$      |
| Hysteresis             | % of F.S.          | $\pm 0,2$       |
| Temp. Shift Zero       | % of F.S./K.       | $\pm 0,05$      |
| Temp. Shift Span       | % of F.S./K.       | $\pm 0,05$      |
| <b>Temperature</b>     |                    |                 |
| Compensated Temp.      | $^{\circ}\text{C}$ | -10...+60       |
| Operating Temp.        | $^{\circ}\text{C}$ | -20...+70       |



# Mounting Situation

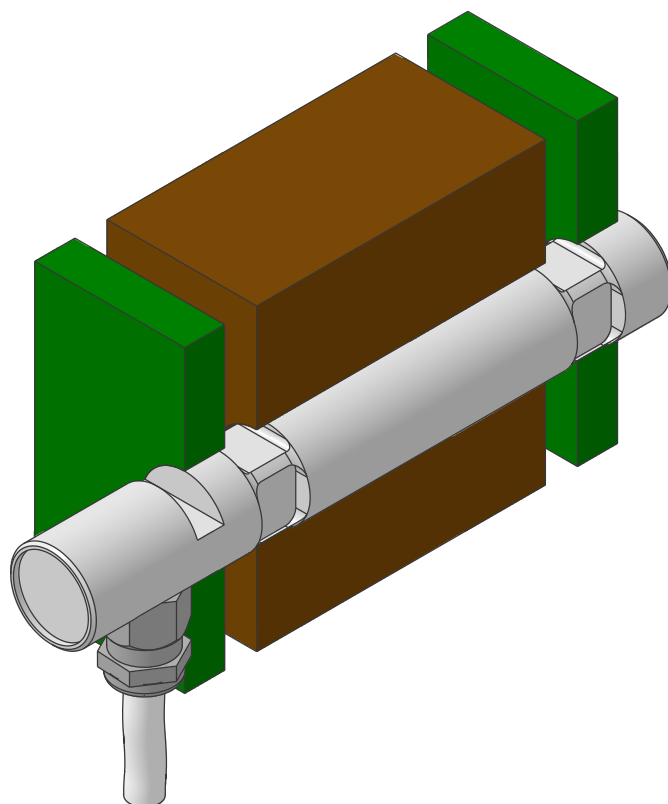
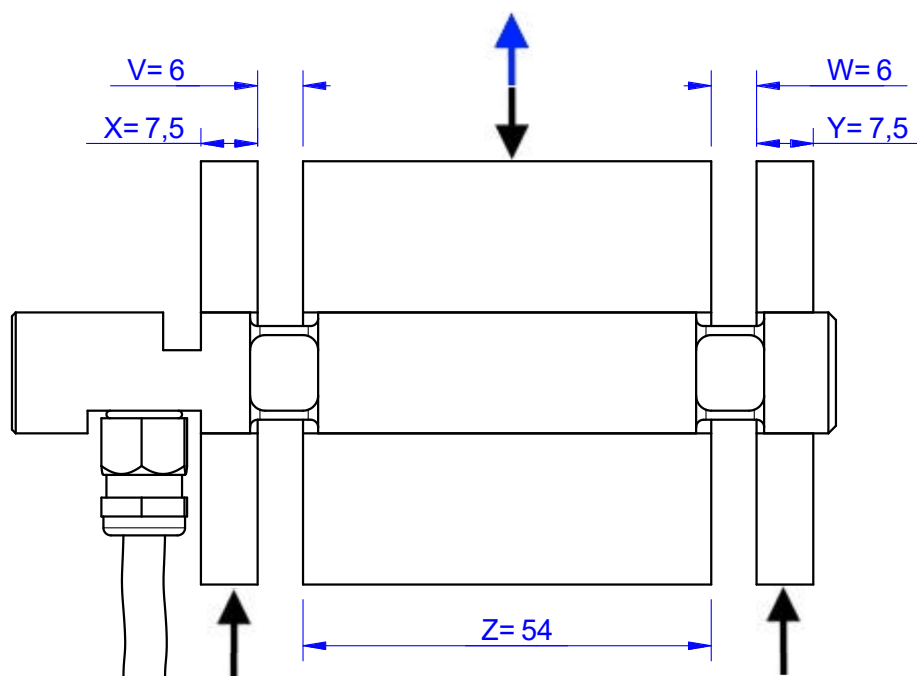
MB2040 Review: A

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)



**Batarow**  
Made in Germany

Batarow Sensorik GmbH  
Gewerbegebiet 4  
18276 Lüssow OT Karow

Mail: [info@batarow.com](mailto:info@batarow.com)  
Phone: +49 (0) 3843-855555  
Fax : +49 (0) 3843-855556

Internet:  
[www.batarow.com](http://www.batarow.com)

# Output Signal & Wiring

MB2040 Review: A

## 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: WC52 |                | Cabletype: 4x0,14x24-4 PUR |            |            |
| Cable Length     | Excitation (+) | Excitation (-)             | Bridge (+) | Bridge (-) |
| 5 m              | brown          | white                      | green      | yellow     |

Ordernumber Add-On:

MBxxx-x-S1-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.

**Batarow**  
Made in Germany

Batarow Sensorik GmbH  
Gewerbegebiet 4  
18276 Lüssow OT Karow

Mail: [info@batarow.com](mailto:info@batarow.com)  
Phone: +49 (0) 3843-855555  
Fax : +49 (0) 3843-855556

**Internet:**  
[www.batarow.com](http://www.batarow.com)