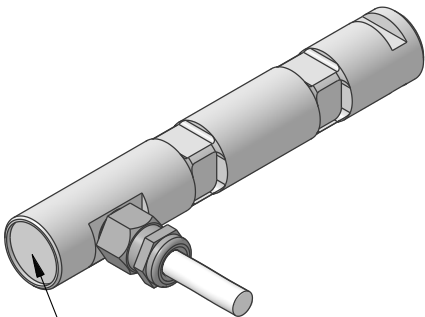
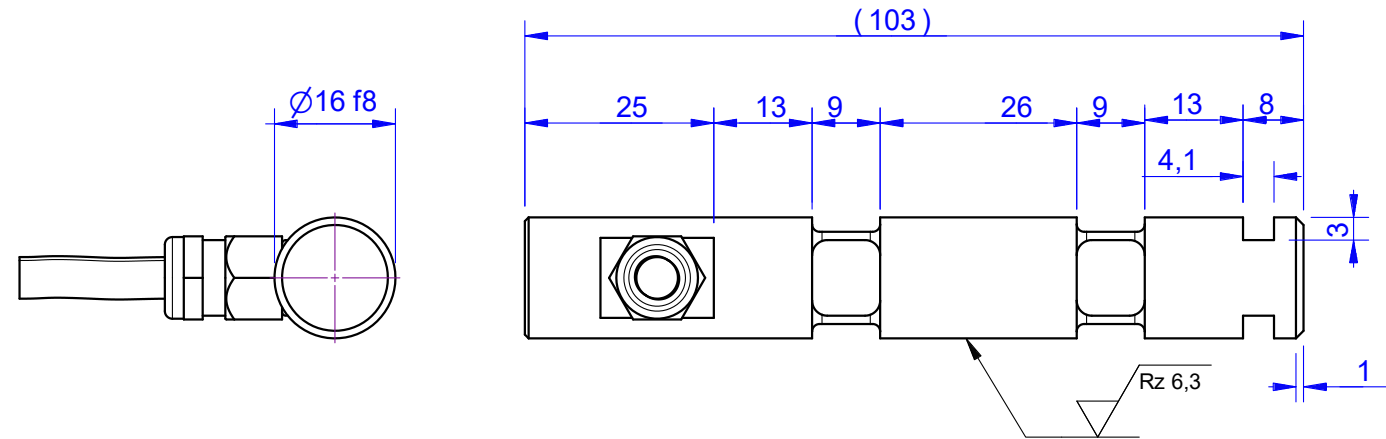


# MB2213

Load Pin

## Content of Loadpin Datasheet

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



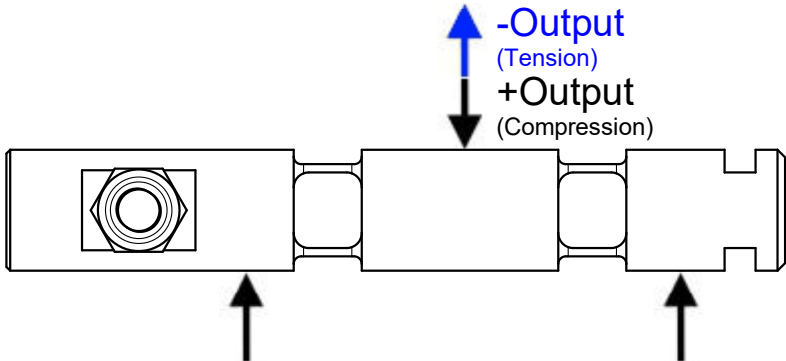
Marking:  
Loadpin: MBx  
Orderno.: MBx-xxx-x-x  
Serialno.: xxxxxxxx  
www.batarow.com  
Made in Germany

| Ordernumber     | Capacity [kN]<br>(F.S.) | Uncertainty [kN]<br>(k=2) | Review |
|-----------------|-------------------------|---------------------------|--------|
| MB2213-0,5-x-B* | 0,50                    | ± 0,010                   | B      |
| MB2213-0,75-x-B | 0,75                    | ± 0,015                   | B      |
| MB2213-1-x-B    | 1,00                    | ± 0,020                   | B      |

\* above showed version  
fixed dimensions don't change at other capacity  
**Attention! Rated output signal: 0,15 mV/V**

### 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.    | 2000            |
| Breaking Load          | % of F.S.    | 3000            |
| <b>Precision</b>       |              |                 |
| 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           |
| <b>Temperature</b>     |              |                 |
| Compensated Temp.      | °C           | -10...+60       |
| Operating Temp.        | °C           | -20...+70       |



# Mounting Situation

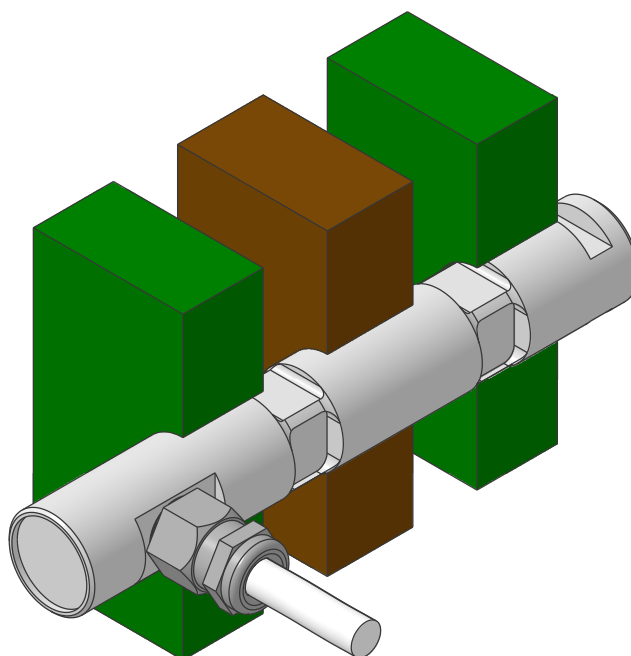
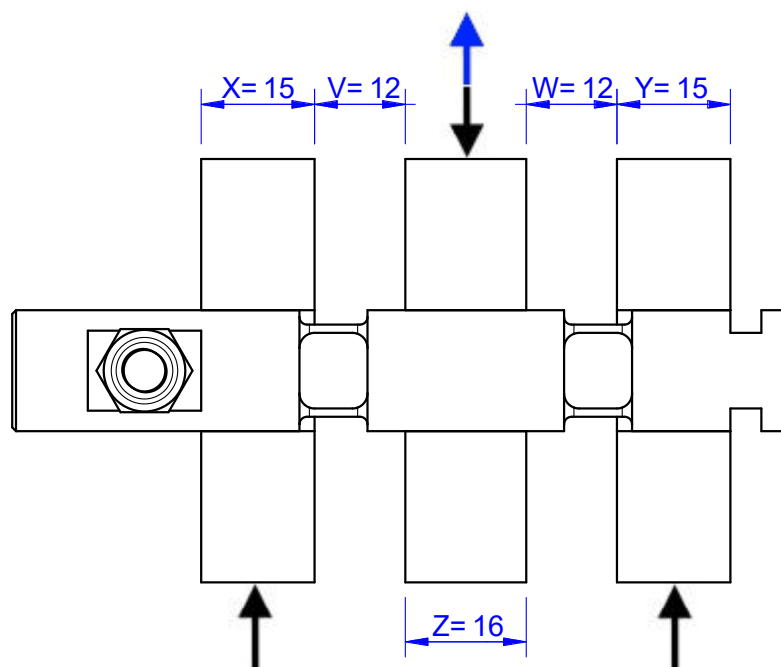
MB2213 Review: B

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

MB2213 Review: B

## Analog Output mV/V (S1)

| Electrical Data       |           |         |
|-----------------------|-----------|---------|
| Rated Output          | mV/V@F.S. | 0,15    |
| 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: 4x0,14xLapp FD |            |            |
| Cable Length     | Excitation (+) | Excitation (-)            | Bridge (+) | Bridge (-) |
| 3 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.

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Made in Germany

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