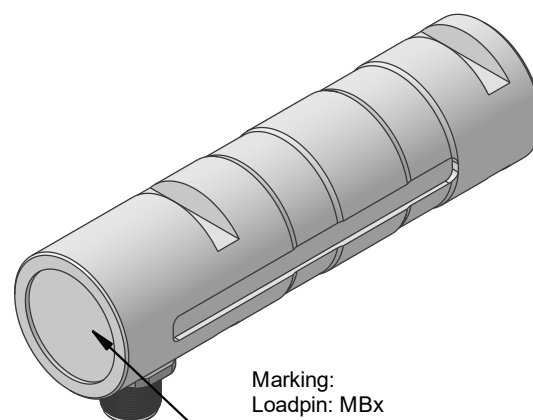


Load Pin

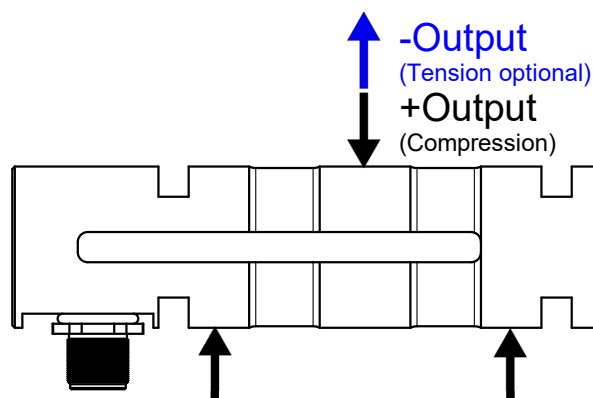
Page 3 ... Output Signal & Wiring



Ordernumber	Capacity [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
MB255-5-x-F	5	$\pm 0,025$	F
MB255-10-x-F	10	$\pm 0,050$	F
MB255-20-x-F	20	$\pm 0,100$	F
MB255-50-x-F*	50	$\pm 0,250$	F
MB255-100-x-F	100	$\pm 0,500$	F

Attention:
Measurable force-direction
depends on selected signal

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



Internet:
www.batarow.com

Mounting Situation

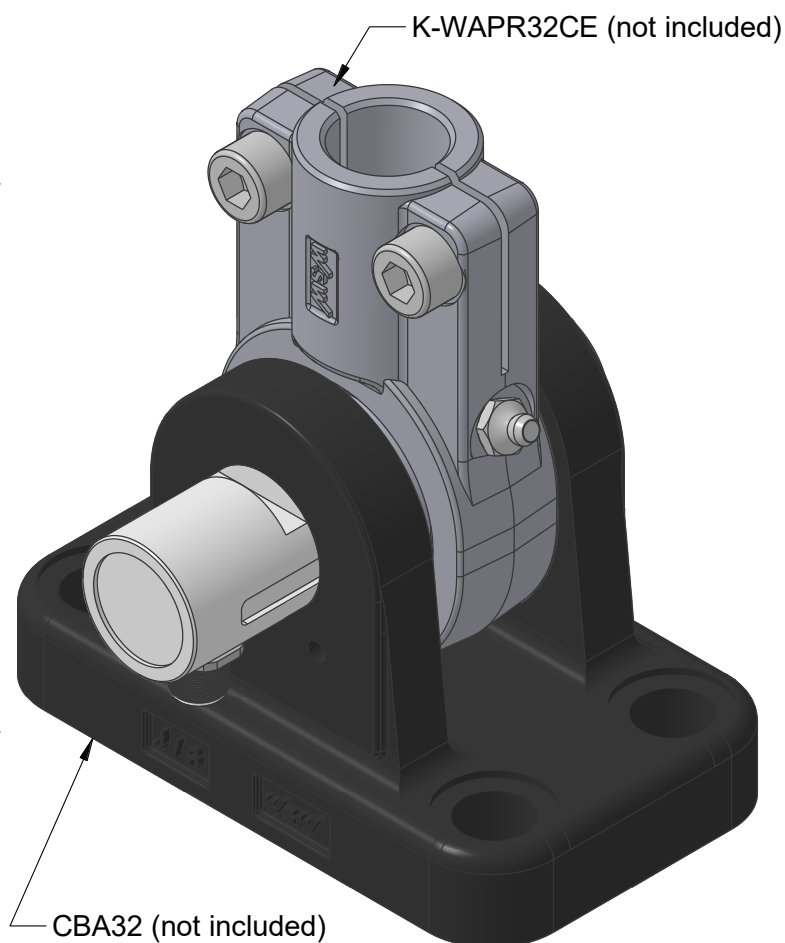
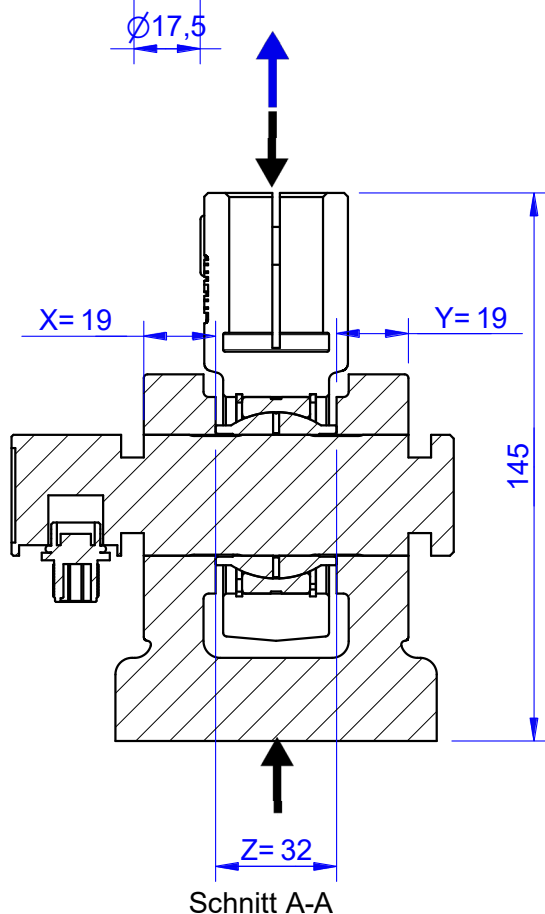
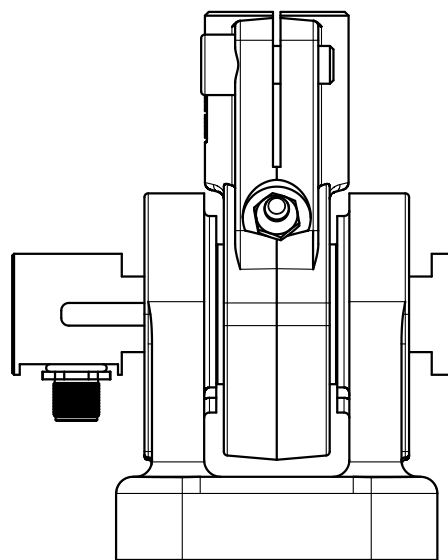
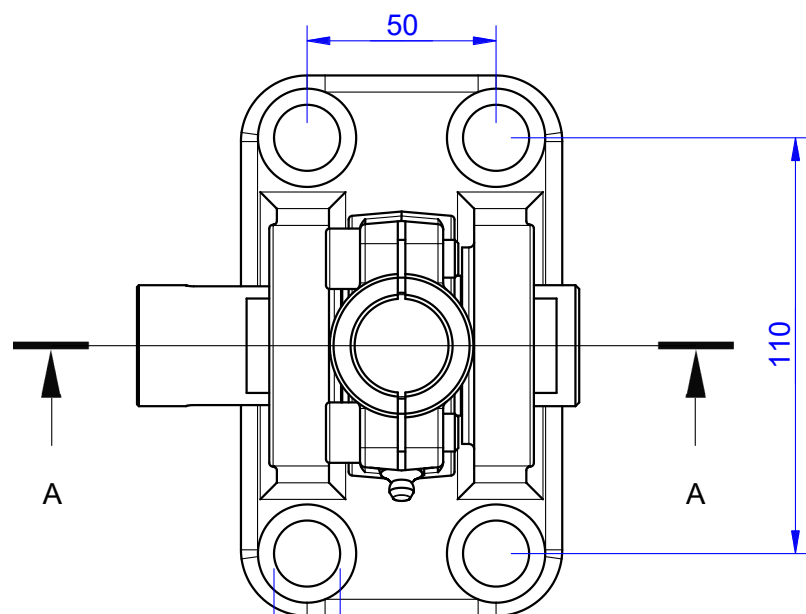
MB255(CBA32) Review: F

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
Phone: +49 (0) 3843-855555
Fax : +49 (0) 3843-855556

Internet:
www.batarow.com

Output Signal & Wiring

MB255(CBA32) Review: F

S1 - Analog Output mV/V

Electrical Data S1		
Rated Output @ F.S.	mV/V	1
Zero Balance	mV/V	±0,05
Supply Voltage Maximum	V	10
Input Resistance	Ω	450±100
Output Resistance	Ω	352±2
Insulating Resistance	GΩ	>5

Wiringcode: WC58				View: plug side
Connector: M12-4P (male plug)				
Supply (US+)	Pin 1	Output (UD+)	Pin 3	
Supply (US-)	Pin 2	Output (UD-)	Pin 4	

Ordernumber Add-On:
MBxxx-x-S1-x

U1 - Analog Output 0...10 V (only +Output / compression*)

Electrical Data U1		
Output @ 0 kN	V	0
Output @ F.S.	V	10
Supply Voltage	V	14...28
Current Consumption	mA	20 (@ 24V)
Bandwidth	Hz	1000

Wiringcode: WC46				View: plug side
Connector: M12-5P (male plug)				
Integrated Amplifier: GSV13				
Supply (+)	Pin 1	Tara	Pin 2	
Ground (-)	Pin 3	Scale	Pin 5	
Output	Pin 4			

Ordernumber Add-On:
MBxxx-x-U1-x

I1 - Analog Output 4...20 mA (only +Output / compression*)

Electrical Data I1		
Output @ 0 kN	mA	4
Output @ F.S.	mA	20
Supply Voltage	V	9...28
Current Consumption	mA	20 (@ 24V)
Bandwidth	Hz	1000

Wiringcode: WC46				View: plug side
Connector: M12-5P (male plug)				
Integrated Amplifier: GSV13				
Supply (+)	Pin 1	Tara	Pin 2	
Ground (-)	Pin 3	Scale	Pin 5	
Output	Pin 4			

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

U4 - Analog Output 0...5...10 V

Electrical Data U4		
Output @ -F.S.	V	0
Output @ 0 kN	V	5
Output @ +F.S.	V	10
Supply Voltage	V	14...28
Current Consumption	mA	20 (@ 24V)
Bandwidth	Hz	1000

Wiringcode: WC46				View: plug side
Connector: M12-5P (male plug)				
Integrated Amplifier: GSV13				
Supply (+)	Pin 1	Tara	Pin 2	
Ground (-)	Pin 3	Scale	Pin 5	
Output	Pin 4			

Ordernumber Add-On:
MBxxx-x-U4-x

I4 - Analog Output 4...12...20 mA

Electrical Data I4		
Output @ -F.S.	mA	4
Output @ 0 kN	mA	12
Output @ +F.S.	mA	20
Supply Voltage	V	9...28
Current Consumption	mA	20 (@ 24V)
Bandwidth	Hz	1000

Wiringcode: WC46				View: plug side
Connector: M12-5P (male plug)				
Integrated Amplifier: GSV13				
Supply (+)	Pin 1	Tara	Pin 2	
Ground (-)	Pin 3	Scale	Pin 5	
Output	Pin 4			

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.

Batarow
Made in Germany

Batarow Sensorik GmbH
Gewerbegebiet 4
18276 Lüssow OT Karow

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

Internet:
www.batarow.com