

BB1

BENDING BEAM LOAD CELL



IP68

Manufactured according to OIML R60 standards

Capacity from 5 kg to 10 kg



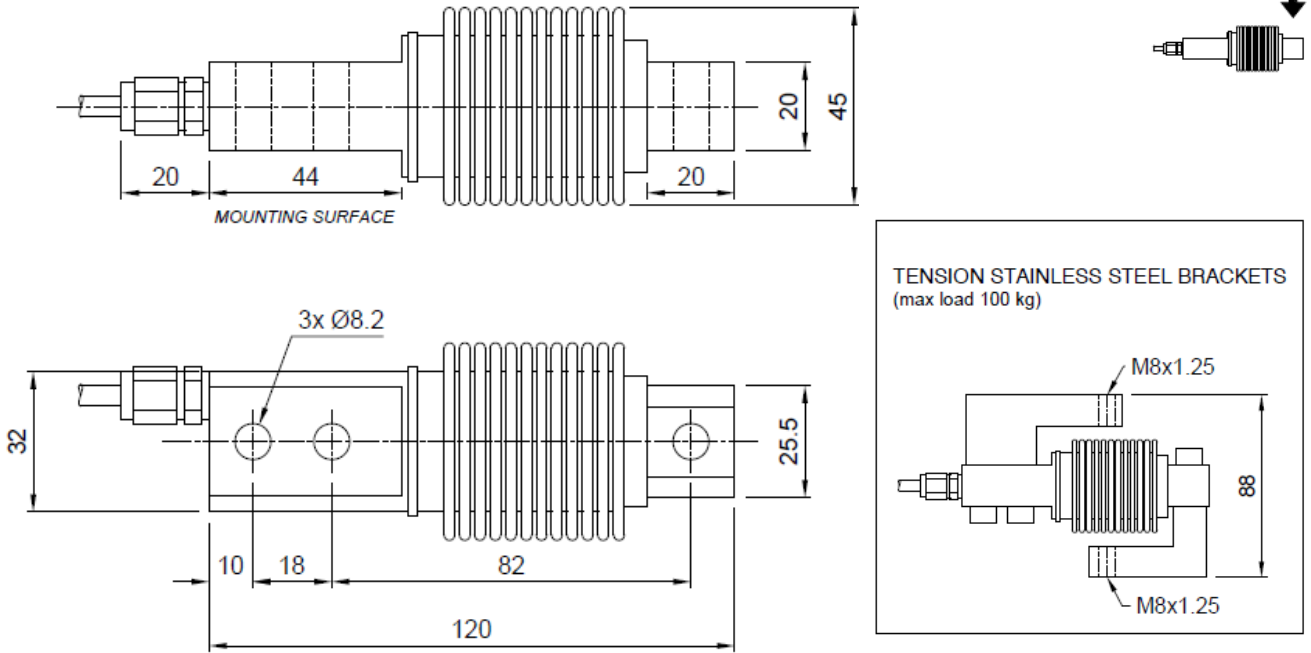
- 17-4 PH STAINLESS STEEL
- COMBINED ERROR $\leq \pm 0.02\%$
- PROTECTION CLASS IP68

CAPACITY	kg	NET WEIGHT (kg)	CODE
	5	0.4	BB1-5
	10	0.4	BB1-10

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DIMENSIONS (mm)

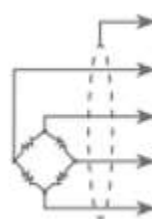


TECHNICAL FEATURES

Material	AISI 420 Stainless steel		
Nominal load (E max)	5 – 10 kg		
Combined error	≤±0.02%		
Protection class	IP68		
Rated output	2 mV/V ±1%	Input resistance	400 Ω ±20
Temperature effect on zero	0.002% °C	Output resistance	352 Ω ±3
Temperature effect on span	0.002% °C	Zero balance	±2%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-30 °C / +65 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.02%	Ultimate overload (% of full scale)	200%
Max supply voltage without damage	15 V	Deflection at nominal load	0.4 mm

ELECTRICAL CONNECTIONS

Cable length	3 m
Cable diameter	4 mm
Cores	6 x 0.22 mm ²



SHIELD	
+ SIGNAL	GREEN
+ EXCITATION	RED
+ REF./SENSE	BLUE
- SIGNAL	WHITE
- EXCITATION	BLACK
- REF./SENSE	YELLOW