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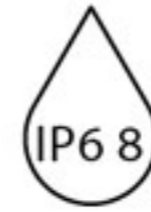


Industrial Explosion Proof Load Cell

MODEL : SB8-EXP

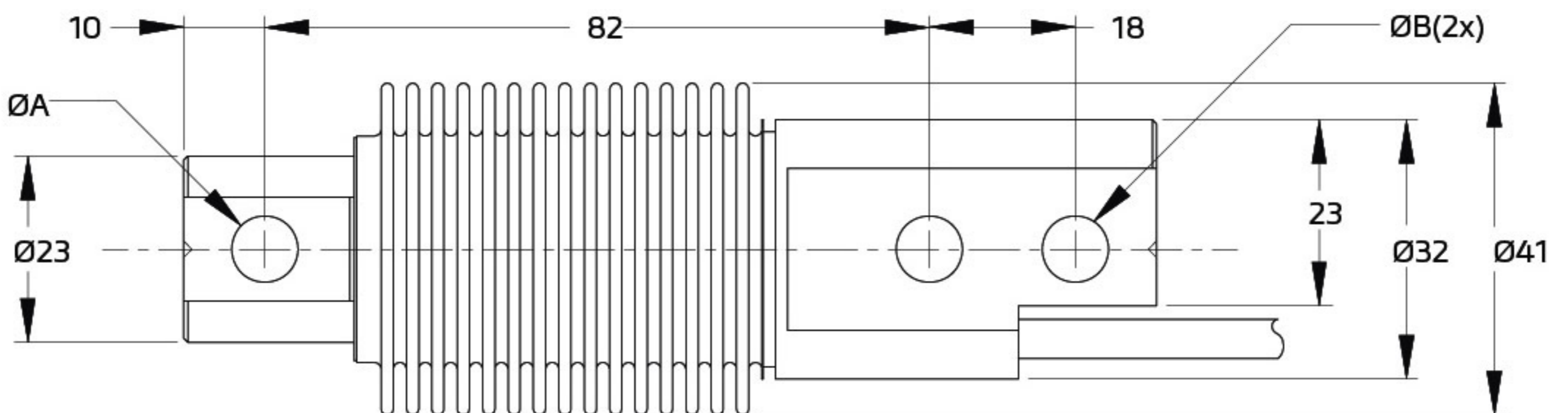
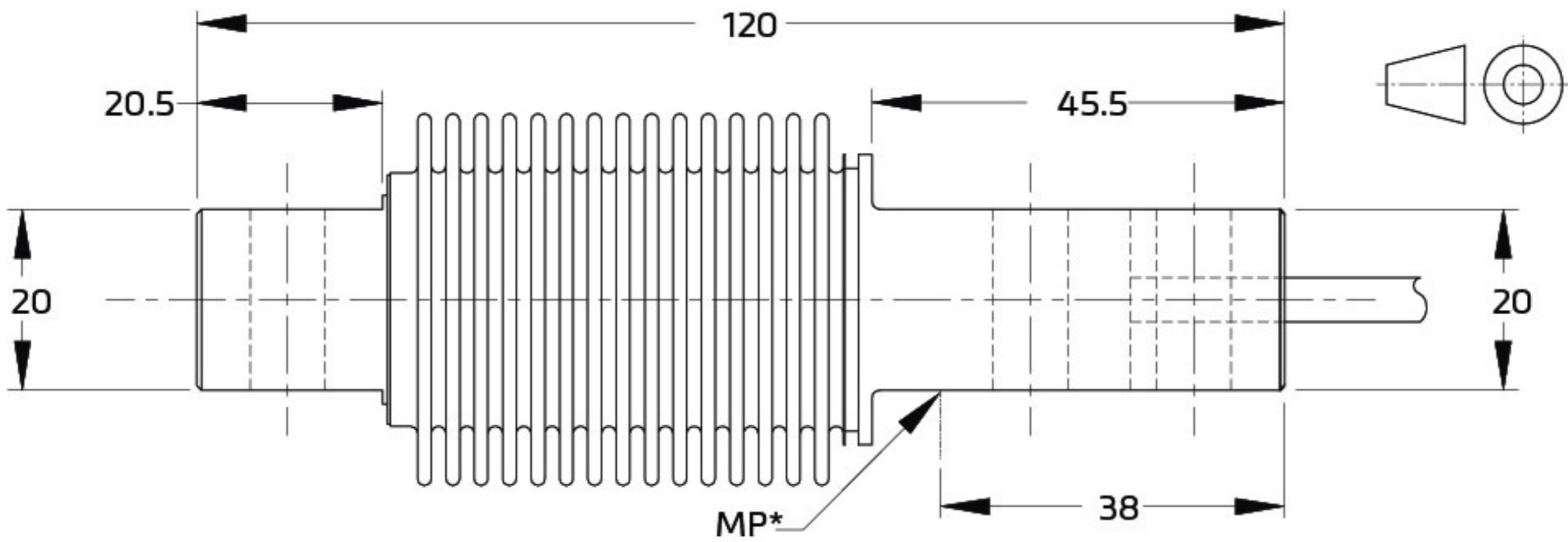


RoHS
compliant



제품 규격 [UNIT : mm]

Product Specification



Type	A	B	Mounting bolts	Torque*
10...250 kg	8.2	8.2	M8 8.8	25 Nm
500 kg	10.5	8.2	M8 10.9	35 Nm

Torque* - values assume oiled threads.
 MP* - Edge of mounting plate

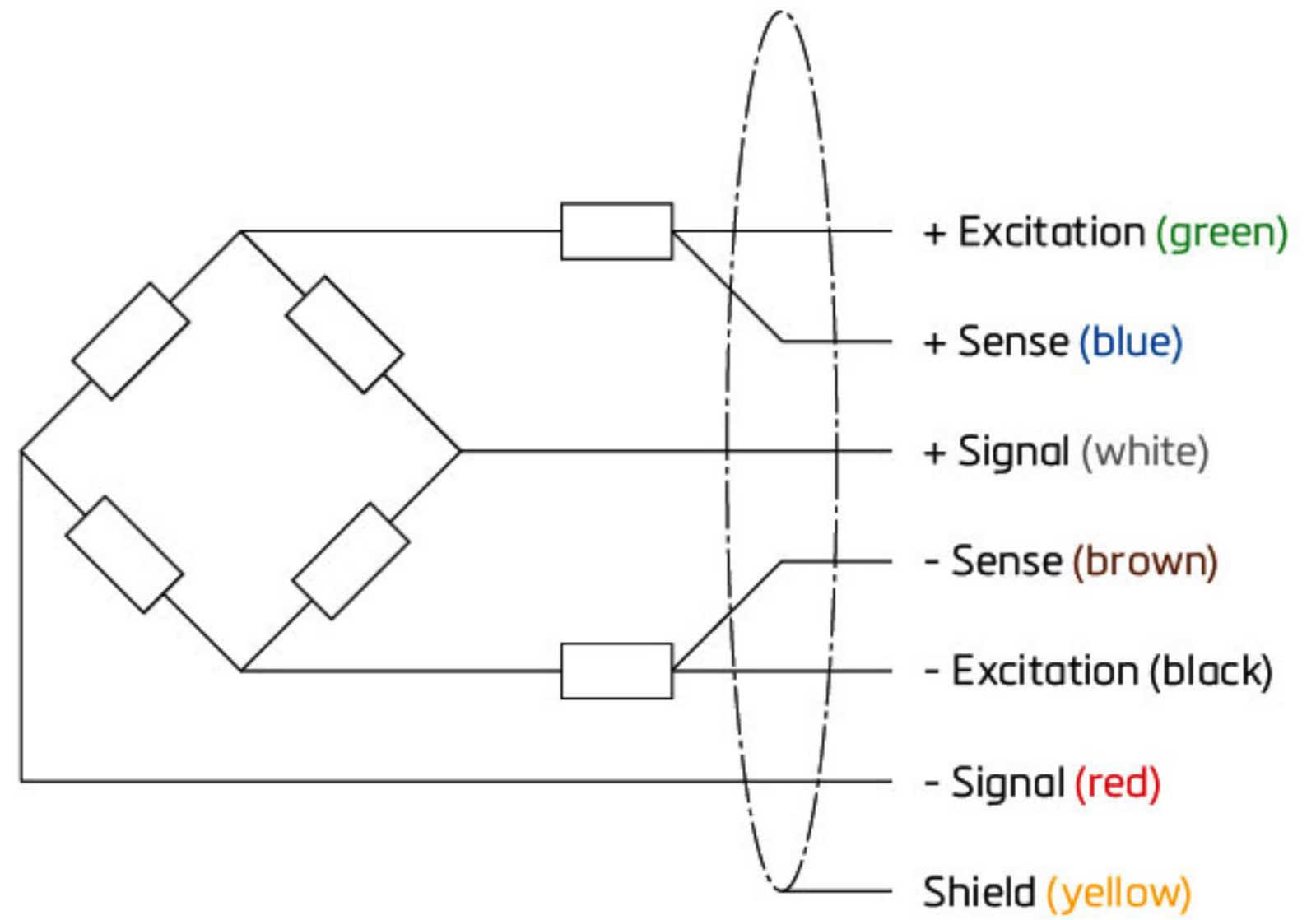
The load cell is provided with a shielded, 6 conductor cable (AWG 26).

Cable jacket polyurethane

Cable length: 3 m

Cable diameter: 5.8 mm

The shield is connected to the load cell body



제품 사양

Specification

- ▶ SB8은 10kg~500kg 까지의 다양한 범위에 적용하여 사용이 가능
- ▶ 컴팩트한 사이즈로 멀티 헤드 중량 측정 장비와 저용량 선박 시스템 및 호퍼 중량 측정 시스템에 적합한 로드셀

Maximum capacity (E_{max})	kg	10 / 20 / 50 / 100 / 200 / 250 / 500	
Accuracy class according to OIML R60		(GP)	C3
Maximum number of verification intervals (n_{max})		n.a.	3,000
Minimum load cell verification interval (v_{min})		n.a.	$E_{max} / 10,000$
Temperature effect on minimum dead load output (TC_0)	%*RO/10°C	± 0.0400	± 0.0140
Temperature effect on sensitivity (TC_{RO})	%*RO/10°C	± 0.0200	± 0.0100
Combined error	%*RO	± 0.0500	± 0.0200
Non-linearity	%*RO	± 0.0400	± 0.0166

Hysteresis	%*RO	± 0.0400	± 0.0166
Creep error (30 minutes) / DR	%*RO	± 0.0600	± 0.0166
Rated Output (RO)	mV/V	2 ± 0.1%	
Calibration in mV/V/Ω (A...I classified)	%	± 0.05 (± 0.005)	
Zero balance	%*RO	± 5	
Excitation voltage	V	5..15	
Input resistance (R _{ic})	Ω	380 ± 10	
Output resistance (R _{out})	Ω	350 ± 3	
Insulation resistance (100 V DC)	MΩ	≥ 5,000	
Safe load limit (E _{lim})	%*E _{max}	200	
Ultimate load	%*E _{max}	300	
Safe side load	%*E _{max}	100	
Compensated temperature range	°C	-10...+40	
Operating temperature range	°C	-40...+80 (ATEX -40...+60)	
Load cell material		stainless steel 17-4 PH (1.4548)	
Protection according EN 60 529		IP68 (up to 2 m water depth)	
Packet weight	kg	0.62 (10-20kg), 0.64 (50-250kg), 0.8 (500kg)	

The limits for Non-Linearity, Hysteresis, and TC_{RO} are typical values.

The sum of Non-linearity, Hysteresis and TC_{RO} meets the requirements according to OIML R60 with pLC=0.7.

- ▶ **Stainless Steel 구조 / 밀폐 봉인 구조**
- ▶ **다양한 용량 / 높은 정밀도**
- ▶ **EN 60 529에 따른 보호 : IP 68(up to 2m 물 깊이)**
- ▶ **로드셀 케이블 : 폴리 우레탄 3m X 5.8mm**