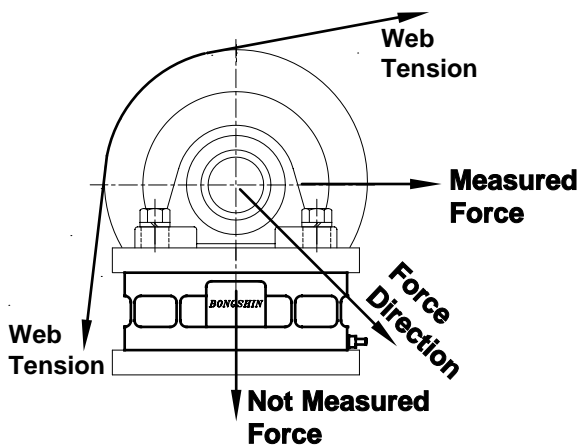
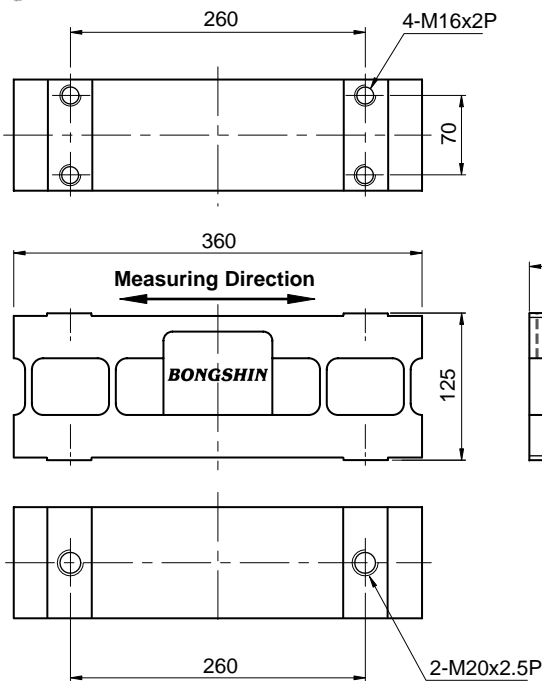


TENSION TRANSDUCER

Model BTA Series

Pillow Block Type Load Cell
(5KN ~ 20KN)



The BTA series, used in metal processing lines and other hostile industrial applications, accurately and reliably measure strip tension, and are designed to mount directly under the roll bearing pillow blocks.

- Overload capability of 450% of rated capacity without zero shift.
- Excellent linearity form zero through the entire measuring range.
- Electroless nickel plated for corrosion resistance and fully sealed to IP67
- Full temperature compensation.

SPECIFICATIONS

MODEL	BTA
Rated capacity (R.C.)	5, 10, 16, 20KN
Rated output(R.O.)	1mV/V \pm 0.25%
Non-linearity	\leq 0.2% R.O.
Hysteresis	\leq 0.2% R.O.
Non-repeatability	\leq 0.1% R.O.
Creep error	\leq 0.1% in 20min.
Zero balance	\leq 1% R.O.
Compensated temperature range	-10 ~ 70 °C
Operating temperature range	-20 ~ 80 °C
Temp. effect on rated output	\leq 0.03% LOAD/10°C
Temp. effect on zero balance	\leq 0.03% R.O./10°C
Terminal input resistance	350 Ohms \pm 3.5 Ohms
Terminal output resistance	350 Ohms \pm 5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation Voltage	10V(Recommended) /15V(Maximum)
Electrical connection	ϕ 9mm x 6m (22AWG x 4Core Shielded)
Protection class	meets IP 67
Safe overload	450% R.C
Ultimate overload	900% R.C

ORDERING INFORMATION

BTA - 10

MODEL CAPACITY
5,10,16, 20KN

WIRING INFORMATION

RED : EXC. (+) WHITE : EXC. (-)
GREEN : SIG. (+) BLUE : SIG. (-)
BARE : GND

* Specifications are subject to change without notice

JULY.2001