

# Seatbelt Press Force Sensor SBP-20N/SBP-800N

- Apply to seatbelt press force on dummy during test;
- Available in two range 20N and 800N;
- Lightweight design, easy to operate;
- Includes high-precision strain gauge sensor unit;
- Sensor unit and components are easily disassembled;
- Connector and ID can be configured as required;
- Compatible with digital displays or data acquisition device.

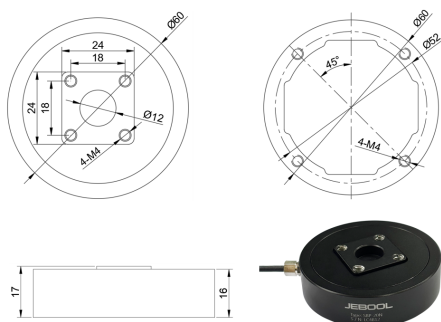


The seatbelt press force sensor includes a high-precision sensor unit combined with fixture, making it convenient to measure press force by seat belts on dummy. The fixture has a height gauge, and easy to measure the seatbelt lifting height. During testing, the components can be disassembled as needed, retaining only the necessary parts to meet specific application requirements.

## Specifications (Measured at 5V and 25°C):

Name	Unit	Value
Range	N	20N@SBP-20N 800N@SBP-800N
Safe Overload	%	120
Non-Linearity	%FS	0.1%@SBP-20N 0.2%@SBP-800N
Repeatability	%FS	0.1
Excitation	V	5~12
Span Output	mV/V	0.25@ SBP-20N 2.0@ SBP-800N
Bridge Resistance	$\Omega$	700-800
Insulation	M $\Omega$	>100

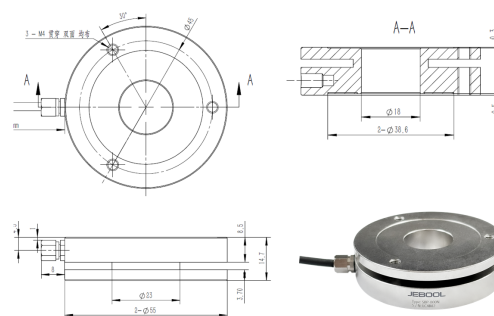
## SBP-20N key strain gauge sensor unit:



## SBP-20N Sensor Assembly:



## SBP-800N key strain gauge sensor unit:



## SBP-800N Sensor Assembly:

