

Shear Pin Load Cell

This range of Shear Measuring Pins is designed to match standard rigging fittings. They are machined from high tensile stainless steel and are supplied complete with an anti-rotation weld washer and spacing washers. Each pin is supplied with a suitable length of 4 - core screened cable which as standard, will exit from the pin at 90° to the direction of load. The whole unit is sealed to IP67.



TYPE REF	D mm	L mm	ROD SIZE	SWL RATING Kg
SMP-500	12.7mm	23	-10	1815
SMP-625	16mm	29	-17	4090
SMP-750	19mm	32	-22	6135
SMP-875	22mm	43	-30	8182
SMP-1000	25mm	44	-40	12273
SM P- 1125	29mm	54	-48	14318

Bridge Resistance	350 Ohms
Excitation	5V DC
Output (Nominal)	1.5 to 2.0mV/V at Rated Load
Insulation Resistance	>500 MOhm @ 100 VDC
Operating Temperature	-20°C to +70°C
Compensated Temp. Range	-10°C to +50°C
Zero Temp Coefficient	0.01 % of Rated Load /°C
Span Temp Coefficient	0.01 % of Rated Load /°C

Non-linearity	+/- 1.0% of Rated Load typical
Non-repeatability	+/- 0.04% of Rated Load
Proof Load	150% of Rated Load
Ultimate Breaking Load	>300% of Rated Load
Protection	IP67
Cable	4-core Screened

The lengths (L) and diameters (D) listed over are standard sizes, any variation of length can be supplied to order. Pins can be supplied with special clamping arrangements, with central barrel sections and of other materials such as Titanium.

All pins are proof tested to 150% of rated load.

See extensive range of Amplifiers and Displays to complete your installation.