

# Precision Shear Web Disk

## Applications

- Platform scales
- Hopper and vessel weighing
- Track scales

## Features

- Compact size with low profile
- Low deflection for high output
- Electroless nickel plated alloy steel construction
- OIML C3 available for whole series

## Description

- A low profile design that makes PSD the most suitable applications concerning critical height for safety reasons. The shear web design provides excellent performance even when side forces are inevitable in normal operations. The typical example for side force resistance is the applications in motor truck scales.
- PSD is constructed of alloy steel and fully potted with special chemical compounds to IP65 to protect the cell from water and moisture attack.

## Specifications

Standard Capacity	2.5, 5, 10, 25t		
Recommended Excitation	10 V AC/DC	Compensated Temp. Range	-10°C to +40°C
Maximum Excitation	15 V AC/DC	Operating Temp. Range	-20°C to +60°C
Output at Rated Load	3 mV/V±0.25%	Zero Balance	±1%
Combined Error	0.025%	Input Resistance	385± 5 Ω
Non Repeatability	0.02%	Output Resistance	350± 3 Ω
Creep (20 minutes)	0.03%	Insulation Resistance(50VDC)	>5000 MΩ
Zero Return (20 minutes)	0.03%	Deflection at Rated Load	<0.5mm
Temp. Effect/10°C on Span	0.015%	Safe Overload	150%
Temp. Effect/10°C on Zero	0.026%	Ultimate Overload	300%

All Specifications Listed Subject To Change Without Notice