

# 5600

## LOW COST CUSTOM MADE LOAD PIN

Custom made load pin designed to be installed at the same place of a common axle without big change of the existing mechanical environment. Low cost version of model 5000 only available with a diameter smaller or equal than 39 mm and with axial cable

Model 5600



### Features

- CE certified for hoisting applications
- Sturdy design
- Stainless steel
- Protection IP 65
- Easy to install
- Cable length: 6m
- Complete range of "CE" certified electronics, load limiters and displays available
- Available options (non exhaustive list):
  - o ATEX intrinsic safety Ex II 1GD Ex ia IIC T6 or T4 Ga Ex ia IIIC T80 C Da
  - o high service temperature (180 °C)
  - o amplified output (V or mA) and digital output signal (RS-232C, RS-485, USB)

### Applications

The SENSY's load cell 5600 is perfectly designed to the following applications :

SL - FORCE : Force measurement on cylinders / Industrial weighing

SL - HOIST : Hoisting devices and crane's security in combination with a load limitation electronics

### Capacities

5600 : 0.5 to 6.3 t

Specifications	SL - FORCE	SL - HOIST	
Repeatability error	< ± 0.25	< ± 0.25	% F.S.
Creep error over 30 min.	< ± 0.3	< ± 0.3	% F.S.
Zero shift after loading	< ± 0.5	< ± 0.5	% F.S.
Reference temperature	23	23	C
Nominal temperature range	-10...+45	-10...+45	C
Service temperature range	-30...+70	-30...+70	C
Storage temperature range	-50...+85	-50...+85	C
Temperature coefficient of the sensitivity	< ± 0.2	< ± 0.2	% F.S./10 C
Temperature coefficient of zero signal	< ± 0.2	< ± 0.2	% F.S./10 C
Zero balance	± 0.02	± 0.02	mV/V
Sensitivity tolerance		< ± 0.5	%
Input resistance	352 ± 2	352 ± 2	Ohm
Output resistance	352 ± 2	352 ± 2	Ohm
Insulation resistance (50V)	> 5000	> 5000	Megaohm
Reference excitation voltage	10	10	VDC
Nominal range of excitation voltage	3..12	3..12	VDC
Nominal sensitivity	1.5	1	mV/V
Safe load limit	150	200	% F.S.
Breaking load	> 300	> 500	% F.S.
Static lateral force limit	100	150	% F.S.
Permissible dynamic loading	50	75	% F.S.

F.S.: full scale - Specifications subject to change without notice

