

Stainless Steel Shear Beam Load Cell



FEATURES

- Capacities 500 - 2000kg
- Stainless steel construction
- OIML R60 approved
- Sealed to IP67

OPTIONAL FEATURES

- EEx ia IIC T6 hazardous area approval

DESCRIPTION

Model 3520 is a low profile shear beam load cell designed for high accuracy platform scales, pallet scales and process weighing applications.

It has high immunity to shock or side loading, and is available in 2mV/V sensitivity and is approved to OIML 6000 divisions.

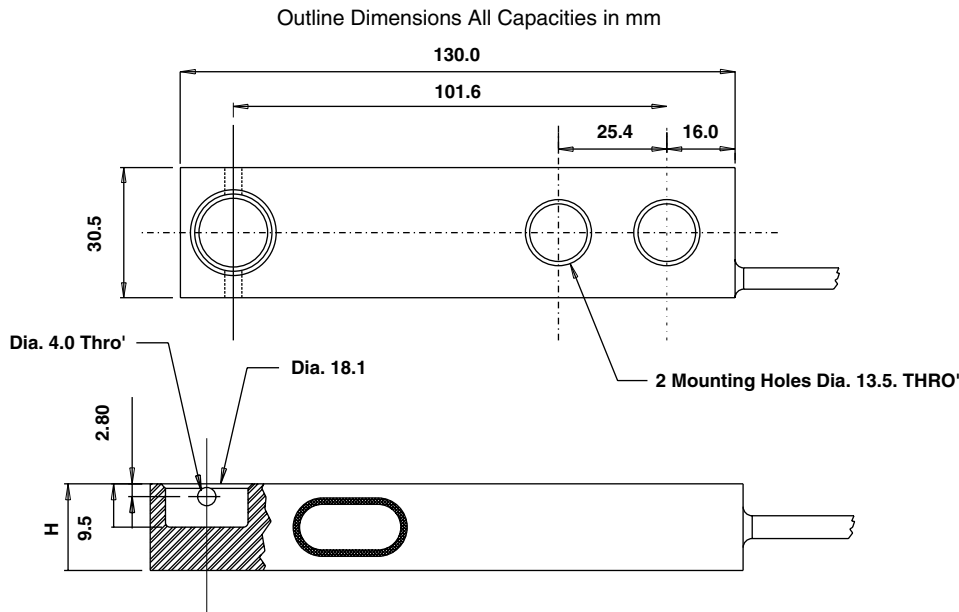
Sealed to IP67 as standard the 3520 is ideally suited for harsh industrial applications where performance and durability are paramount.

The extremely low profile makes this load cell ideal for today's modern low profile industrial platforms.

APPLICATIONS

- Low profile platforms
- Pallet truck weighing
- Tank and silo weighing
- Food industry platforms

OUTLINE DIMENSIONS in millimeters



Capacity (kg)	H
500	19.0 (0.748")
1000	19.0 (0.748")
2000	28.0 (1.102")

T-End loading shown. Other end options include M12 threaded.

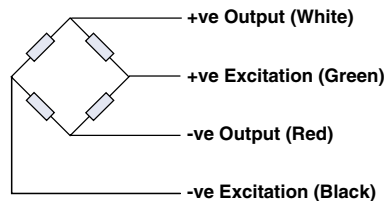
**SPECIFICATIONS**

PARAMETER	VALUE			UNIT
Rated capacity-R.C. (E_{max})	500, 1000, 2000			kg
OIML Accuracy class	Non-Approved	C3*	C6**	
Maximum no. of intervals (n)	1000	3000	6000	
$Y = E_{max}/V_{min}$	4000	12000	15000	Maximum available
Rated output-R.O.	2.0			mV/V
Rated output tolerance	0.1			±% of rated output
Zero balance	2			±% of rated output
Zero Return, 30 min.	0.050	0.017	0.0083	±% of applied load
Total Error	0.0500	0.0200	0.0100	±% of rated output
Temperature effect on zero	0.007	0.0023	0.0014	±% of rated output/°C
Temperature effect on output	0.0030	0.0010	0.00058	±% of applied load/°C
Temperature range, compensated	-10 to +40			°C
Temperature range, safe	-30 to +90			°C
Maximum safe central overload	150			% of R.C.
Ultimate central overload	300			% of R.C.
Excitation, recommended	10			Vdc or Vac rms
Excitation, maximum	15			Vdc or Vac rms
Input impedance	380±15			Ohms
Output impedance	350±3			Ohms
Insulation resistance	>2000			Mega-Ohms
Cable length	3			m
Cable type	4 wire, braided, Polyurethane, floating screen			Standard
Construction	Stainless steel			
Environmental protection	IP67			
Recommended torque	136.0			N*m

* 50% utilization

** 60% utilization

Wiring Schematic Diagram

**VISHAY TRANSDUCERS (VT) SALES OFFICES**

VT Americas
City of Industry, CA
PH: +1-626-858-8899
FAX: +1-626-332-3418
vt.us@vishaymg.com

VT Netherlands
Breda
PH: +31-76-548-0700
FAX: +31-76-541-2854
vt.nl@vishaymg.com

VMG UK
Basingstoke
PH: +44-125-646-2131
FAX: +44-125-647-1441
vt.uk@vishaymg.com

VMG Israel
Netanya
PH: +972-9-863-8888
FAX: +972-9-863-8800
vt.il@vishaymg.com

VMG Germany
Heilbronn
PH: +49-7131-3901-260
FAX: +49-7131-3901-2666
vt.de@vishaymg.com

VT China
Tianjin
PH: +86-22-2835-3503
FAX: +86-22-2835-7261
vt.prc@vishaymg.com

VMG France
Chartres
PH: +33-2-37-33-31-20
FAX: +33-2-37-33-31-29
vt.fr@vishaymg.com

VT Taiwan*
Taipei
PH: +886-2-2696-0168
FAX: +886-2-2696-4965
vt.roc@vishaymg.com
*Asia except China



Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.