



Accurately Weighing Africa



220

High Accuracy Compression Load Cell



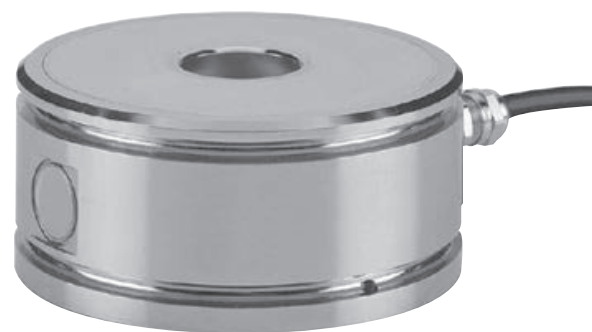
Sasco is a dynamic weighing solutions focused company which procures and supports a leading range of globally sourced industrial weighing technologies. Sasco has the highest metrological ranking of any Southern and Central African company, and as a result of our experience gained through 100 years of operation, we are uniquely positioned to specify and supply optimal weighing equipment, automation and weighing information data solutions to Southern and Central Africa's leading industrial companies. Sasco reputation has been built on innovation and choice underpinned by professionalism, modernity and experience.

GENERAL

Model 220 is a low profile bending ring load cell designed for high capacity weighing applications, including weighbridges, tanks, silos and high capacity platform scales as well as force measurement.

It's small physical size, combined with high accuracy and low cost, makes this load cell ideally suited for modern low profile designs in both approved applications and process weighing.

This high accuracy load cell has factory Mutual approval and is OIML R60 approved to 6000 divisions. For hazardous environments, this load cell has an EEx ia IIC T6 approved option. When combined with Tedea-Huntleigh mounting accessories, this load cell will provide a simple, accurate and reliable weighing system.



FEATURES

- Capacities 5 - 50 Ton
- Stainless steel construction
- OIML R60 and NTEP approved
- tIP68 protection

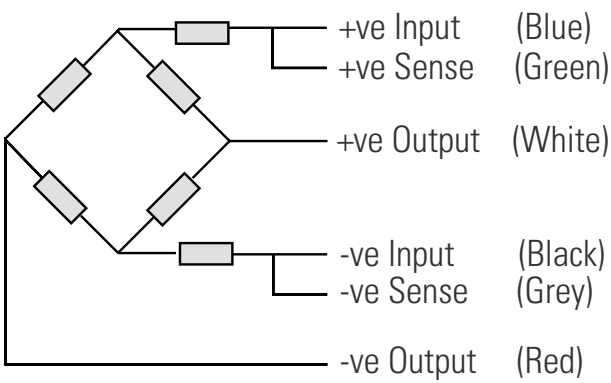
OPTIONAL FEATURES

- EEx ia IIC T6 hazardous area approval
- FM approval available

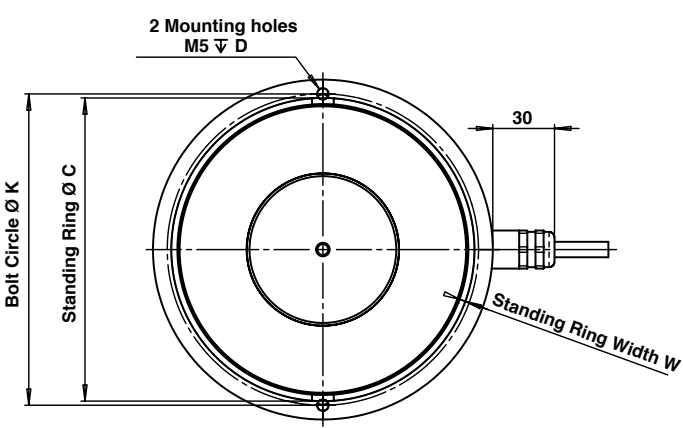
APPLICATIONS

- Truck scales
- Hopper for process weighing
- Tank & silo weighing
- Harsh environment

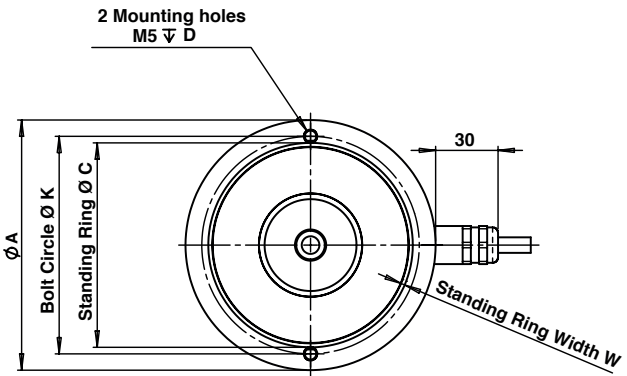
WIRING SCHEMATIC DIAGRAM



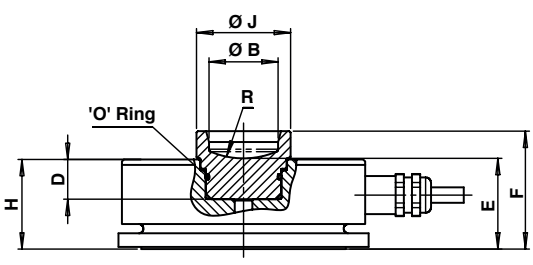
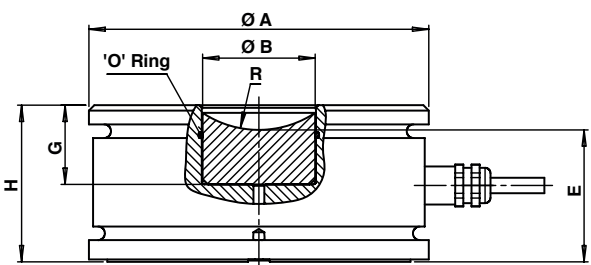
OUTLINE DIMENSIONS - In millimeters



20 t, 30 t, 50 t



5 t, 10 t



	A	B	C	D	E	F	G	H	J	K	W	R
5 t	80.0	25.4	71.0	7.0	33.4	43.4	20.0	30.0	34.6	70.0	1.0	31.0
10 t	92.0	25.4	75.2	6.0	33.4	43.4	14.6	33.0	34.6	80.0	1.5	31.0
20 t, 30 t	110.0	28.4	101.0	7.5	39.1		26.3	50.1		102.0	1.5	31.0
50 t	125.0	41.4	111.5	8.0	48.5		29.2	57.7		114.5	2.3	37.3



SPECIFICATIONS

PARAMETER	VALUE				UNIT
Rated capacity—R.C. (Emax)	5000, 10000, 20000, 30000, 50000***				kg
NTEP/OIML accuracy class	NTEP	C1	C3*	C4**	
Maximum no. of intervals (n)	10000 IIL	1000	3000	4000	
	multiple				
Y = Emax/Vmin	11000	5000	14000	14000	
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.	0.0330	0.0500	0.0170	0.0125	±% of applied load
Total error (per OIML R60)	0.0200	0.0500	0.0200	0.0150	±% of rated output
Temperature effect on zero	0.0023	0.0028	0.0010	0.0010	±% of rated output/°C
Temperature effect on output	0.001	0.0020	0.0010	0.0008	±% of applied load/°C
Temperature range, compensated	-10 to +40				°C
Temperature range, safe	-30 to +70				°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	20				VDC or VAC RMS
Input impedance	1065±60				Ω
Output impedance	1025±20				Ω
Insulation resistance	>2000				MΩ
Cable length	5 m (5 t), 10 m (10 and 20 t), 20 m (30 and 50 t)				m
Cable type	6-wire, braided, polyurethane, double floating				Standard
Construction	Stainless Steel				
Environmental protection	IP68				

* 20% utilization

** 40% utilization

*** Capacities 5 - 20 t available in C6 45% utilization

All specifications subject to change without notice.

SMART SUPPORT

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