Compression load cell **Tedea 220**

available with certification • GOST • ATEX • OIML • NTEP • FM

General information

PWS120261108

The compression load cell 220 has been designed to operate in difficult and dangerous environments and it is suitable for weighing hoppers, tanks, silos and trucks. The load cell 220 is made of stainless steel and has a maximum capacity of 50 tons. The compression load cell 220 is used in industrial weighing and one of its strength is the easy installation.



Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Mounting kits DE MOUNTING KIT

Tester 1008 TESTER 1008

Junction Box CGS4-C

Double Shear Beam Load Cell DDR

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

PAVONE SISTEMI S.R.L.
Via Tiberio Bianchi 11/13/15, 20863 Concorezzo (MB), Milan, Italy
T (+39) 039 9162656 **F** (+39) 039 9162675 **W** pavonesistemi.com
Industrial Electronic Weighing Systems since 1963

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Technical specifications

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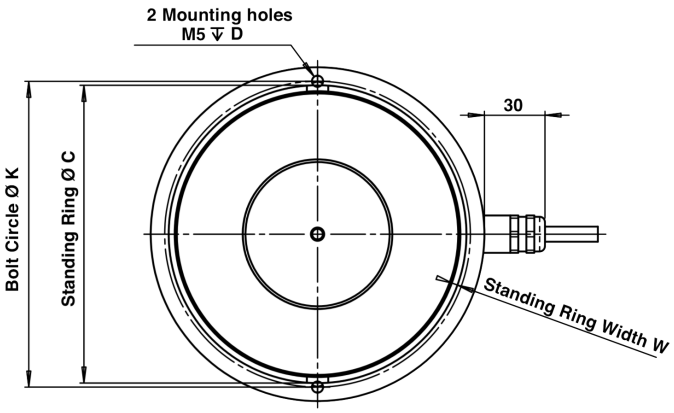
Rated Load (RL):	5, 10, 20, 30, 50 t
Combined error:	0.02 % RO
Repeatability:	±0.01 % RO
Creep (30 minutes):	±0.0170% on applied load
Safe overload:	150 % RL
Ultimate overload:	300 % RL
Material:	Stainless steel
Degree of protection:	IP68
Accuracy class:	3000 OIML, NTEP
Compensated Temperature:	-10 ÷ +40 °C
Temperature range:	-30 ÷ +70 °C
Temperature effect on zero balance:	0.0010 % RO/°C
Temperature effect on output:	0.0010 % on output/°C
Rated output RO:	2 mV/V ± 0.1%
Zero balance:	±2 % RO
Insulation resistance:	> 2000 M Ohm
Input resistance:	1065 ±60 Ohm
Output resistance:	1025 ±20 Ohm
Recommended input:	5 ÷ 15 Vdc/ac
Maximum supply voltage:	20 Vdc/ac
Y = Emax/Vmin:	14000
Max number of intervals:	3000
Cable Lenght:	5m (5t), 10m (10 & 20t), 20m (30 & 50t)

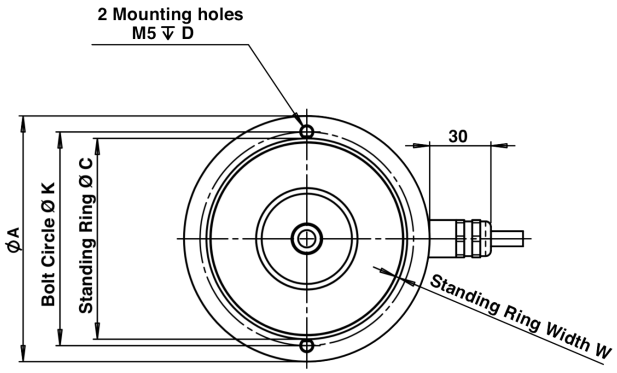
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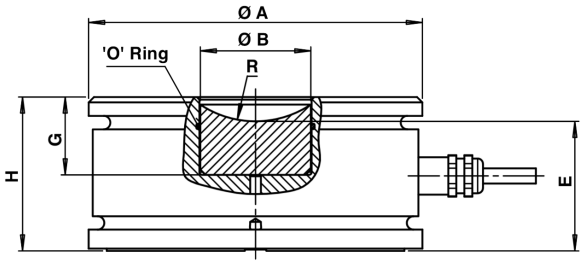
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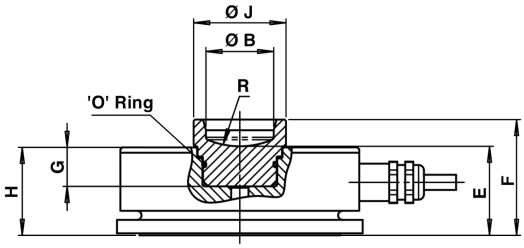




20 t, 30 t, 50 t



5 t, 10 t



CAPACITY	A	B	C	D	E	F	G	H	J	K	W	R
5 t	80	25	71	7	34	43	20	30	35	70	1	31
10 t	92	25	75	6	34	43	15	33	35	80	2	31
20÷30 t	110	28	101	8	39	-	26	50	-	102	2	31
50 t	125	41	112	8	49	-	29	58	-	115	2	37

Wiring Schematic Diagram	
+VE INPUT	Blue
+VE SENSE	Green
+VE OUTPUT	White
-VE INPUT	Black
-VE SENSE	Grey
-VE OUTPUT	Red

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