Compression load cell **PS47**

available with certification • EAC • ATEX • OIML

General information

PWS17820240319

The PS47 compression load cell, column model, is made of stainless steel and hermetically welded. The PS47 cell is simple to install and is applied in weighing systems where high capacity is required. The PS45 compression load cell is also available in ATEX version.

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

Compression load cell CC3

Compression load cell CMH

Double Shear Beam Load Cell DDR

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

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Industrial Electronic Weighing Systems since 1963

Technical specifications

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Rated Load (RL):	15, 20, 25, 30, 40, 60, 100 t
Combined error:	< ±0.013 % RO
Repeatability:	< ±0.015 % RO
Creep (30 minutes):	±0.012 % RO
Material:	Stainless steel
Accuracy class:	4000 OIML
Deflection:	0.6 ÷ 1 mm
Compensated Temperature:	-10 ÷ + 40 °C
Temperature range:	-50 ÷ +70 °C
Temperature effect on zero balance:	±0.01 % RO/5°C
Temperature effect on output:	±0.006 % RO/5°C
Rated output RO:	2 mV/V (1)
Zero balance:	±2 % RO
Insulation resistance:	> 5000 MOhm
Input resistance:	800 ±5 Ohm
Output resistance:	705 ±5 Ohm
Power supply:	10 Vdc o Vac RMS
Recommended input:	5 ÷ 15 Vdc/ac
Maximum excitation:	15 V
Output impedance:	705 ±5 Ohm

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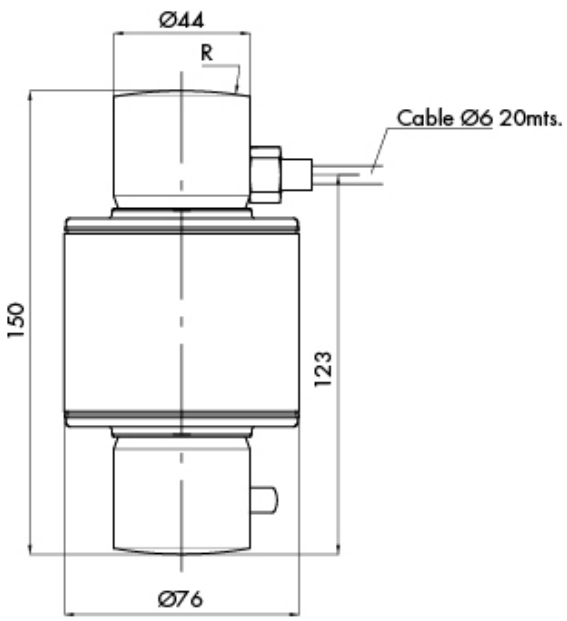
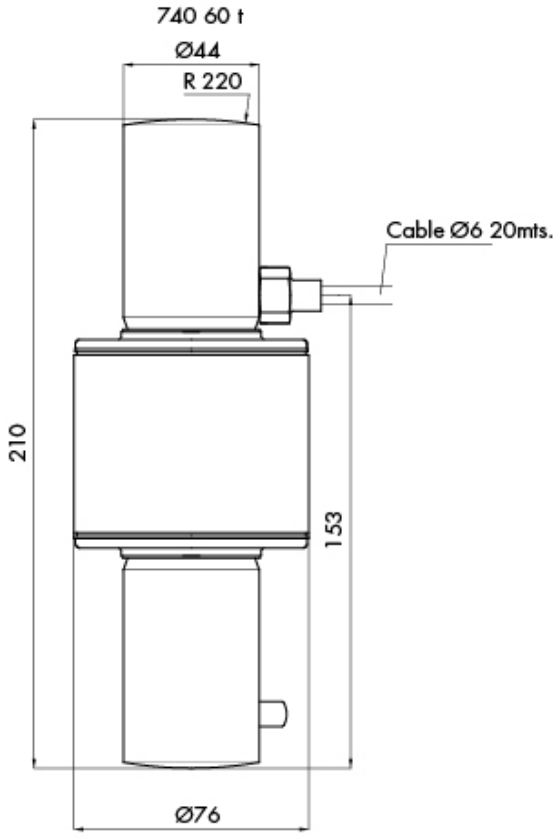
740 (15÷40 t)



Capacity t	R
15÷20	130
25	150
30	160
40	180

740 60 t



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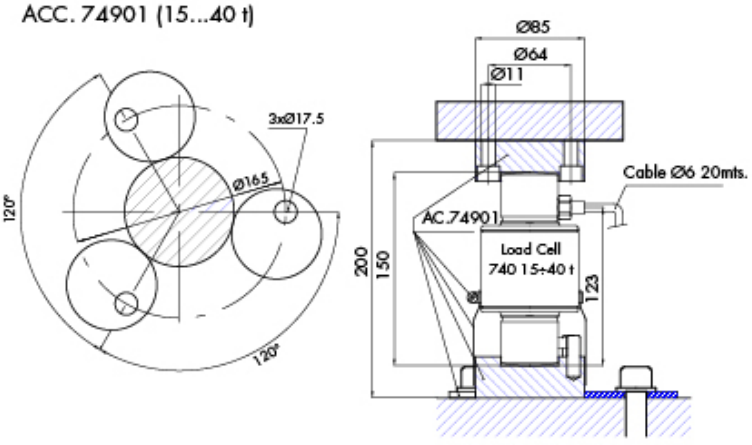
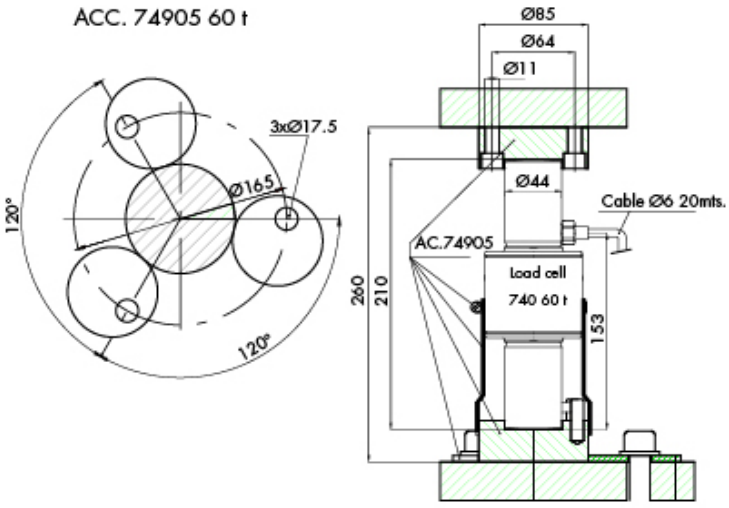
ACC. 74901 (15...40 t)



ACC. 74905 60 t



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