

## General information

PWS320260218

The universal CVF load cell is made of stainless steel and it has excellent linearity and precision characteristics, it has an overload resistance of over 300% and a watertight protection for use in harsh environmental conditions. The CVF cell is designed to withstand side loads and it is able to work both in traction and compression. This load cell CVF is also available in a special high temperature version and can be customized according to customer needs.



## 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 UWT 6008**

**Weight Transmitter DAT 1400**

**Mounting kits DE MOUNTING KIT**

**Tester 1008 TESTER 1008**

**Junction Box CGS4-C**

**Double Shear Beam Load Cell DDR**

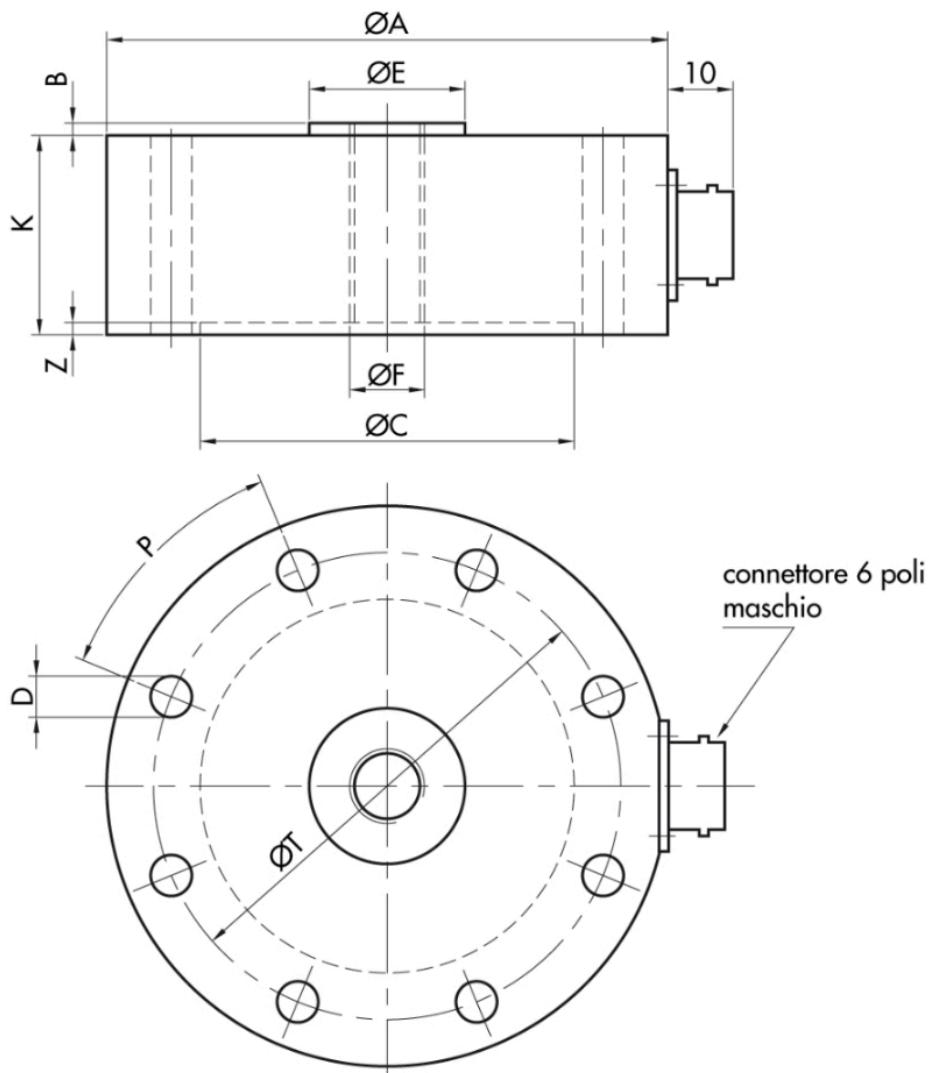
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

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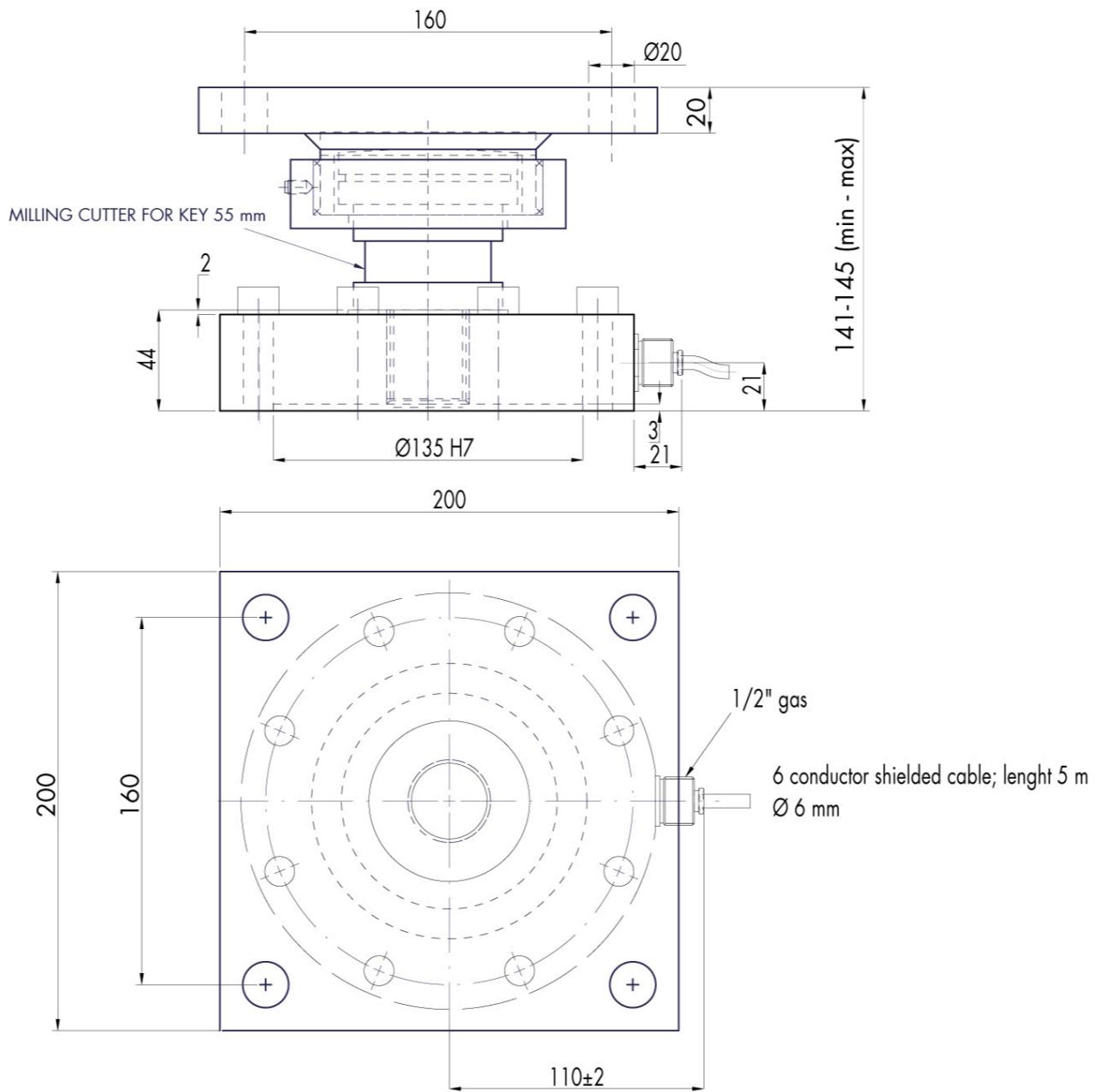
<b>Rated load RL:</b>	0.5 ÷ 5000 kN
<b>Combined error:</b>	±0.05 % RO
<b>Repeatability:</b>	±0.02 % RO
<b>Creep (20 minutes):</b>	±0.02 % RO
<b>Safe overload:</b>	150 % RL
<b>Ultimate overload:</b>	> 300 % RL
<b>Material:</b>	Stainless steel AISI 17-4PH
<b>Degree of protection:</b>	IP65
<b>Deflection:</b>	0.2 mm
<b>Compensated Temperature:</b>	-10 ÷ +50 °C
<b>Temperature range:</b>	-20 ÷ +70 °C
<b>Temperature effect on zero balance:</b>	< ±0.005 % RO/°C
<b>Temperature effect on output:</b>	< ±0.005 % RO/°C
<b>Rated output RO:</b>	2.0 mV/V ±0.1 %
<b>Zero balance:</b>	< ±1.5 % RO
<b>Insulation resistance:</b>	> 5000 MΩ
<b>Input resistance:</b>	700 ± 20 Ohm (350 Ohm carrying capacity 1000÷5000 kN)
<b>Output resistance:</b>	700 ± 5 Ohm (350 Ohm capacity 1000÷5000 kN)
<b>Recommended input:</b>	2 ÷ 15 Vdc/ac

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RANGE kN	ØA	B	ØC	ØD	ØE	ØF	K	ØT	P	Z	Electrical Connection
0.5÷10	90	2	60	4-6.6	25	M12x1.75	32	75	4x90°	2	+Excitation Red
20÷50	150	2	105	8-11	55	M24x2	38	130	8x45°	2	-Excitation Black
100÷200	181.5	2	135	8-13	70	M36x3	42	160	8x45°	3	+Signal Green
500	240	2	160	12-17	90	M45x3	60	200	12x30°	3	-Signal White
1000	295	5	200	16-21	127	M80x4	100	250	16x22°30'	4	+Sense Blue
2000	390	3	270	24-26	190	M120x4	120	330	24x15°	4	-Sense Brown
5000	447	3	330	24-32	250	M180x6	160	390	24x15°	4	Shield Cable shield

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**SPECIAL MOUNTING ASSEMBLY FOR CVF 200 kN**


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