

## Force Sensor KR80 250kg

Item number: 892



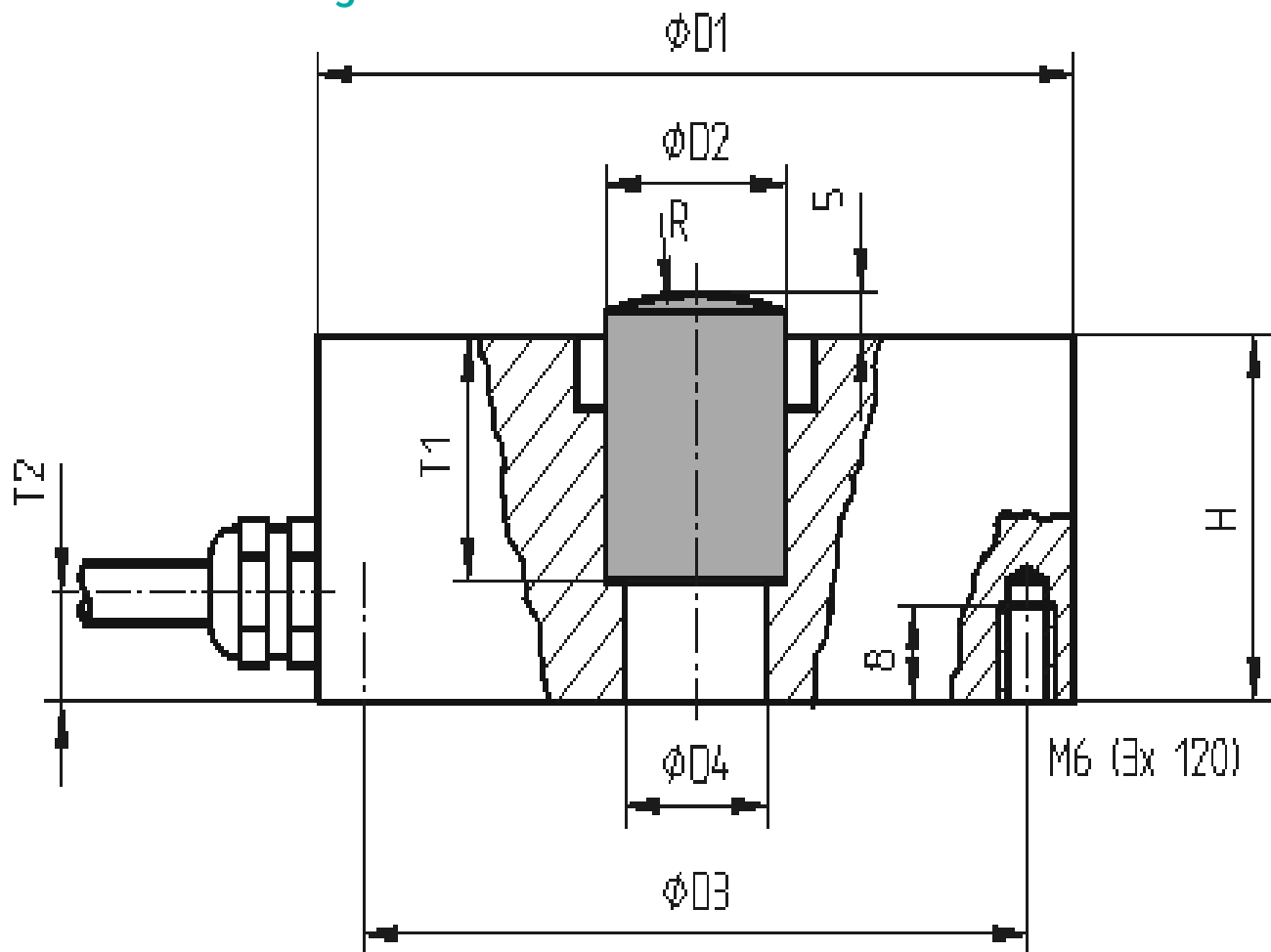
The load cell KR80 is a precision load cell in cylindrical design. It is hermetically sealed by means of welding and available in a calibratable design according to the European requirements OIML R-60 up to class C6. It stands out thanks to its particularly low measurement path of just 0.1mm.

The environmental protection is IP 66.

Force transmission is realised by a cylindrical load knob that has to be inserted into the hole  $\varnothing D2$ .

Optionally pendular bases for applications in weighing technology can be installed.

## Technical Drawing



## Technical Data

Basic Data		Unit
Type	Wägezelle	
Force direction	Compression	
Rated force Fx	250	kg
Force introduction	Load button	
Operating force	150	%FS
Material	Stainless steel	
Dimensions	Ø80 mm x 25 mm... Ø95 mm x 35 mm	
Height	25	mm
Length or Diameter	80	mm
Breaking force	300	%Fn
Variants	0.25t... 10t	

Electrical Data		Unit
Input resistance	1110	Ohm
Tolerance input resistance	50	Ohm
Output resistance	1025	Ohm
Tolerance output resistance	25	Ohm
Insulation resistance	>5x10 <sup>9</sup>	Ohm
Rated output	2	mV/V / FS

<b>Accuracy Data</b>	<b>Unit</b>
----------------------	-------------

Environmental Data		Unit
Rated temperature range from	-10	°C
Rated temperature range to	40	°C
Operating temperature range from	-30	°C
Operating temperature range to	70	°C
Storage temperature range from	-50	°C
Storage temperature range to	80	°C
Environmental protection	IP66	

Abbreviation : RD: „Reading“; FS: „Full Scale“;1) The exact nominal sensitivity is indicated in the test report.

## Pin Assignment

Channel	Symbol	Description	Wire color	PIN
	+Us	positive bridge supply	pink	
	-Us	negative bridge supply	grey	
	+Ud	positive bridge output	brown	
	-Ud	negative bridge output	white	

Pressure load: positive output signal. Shield- transparent.