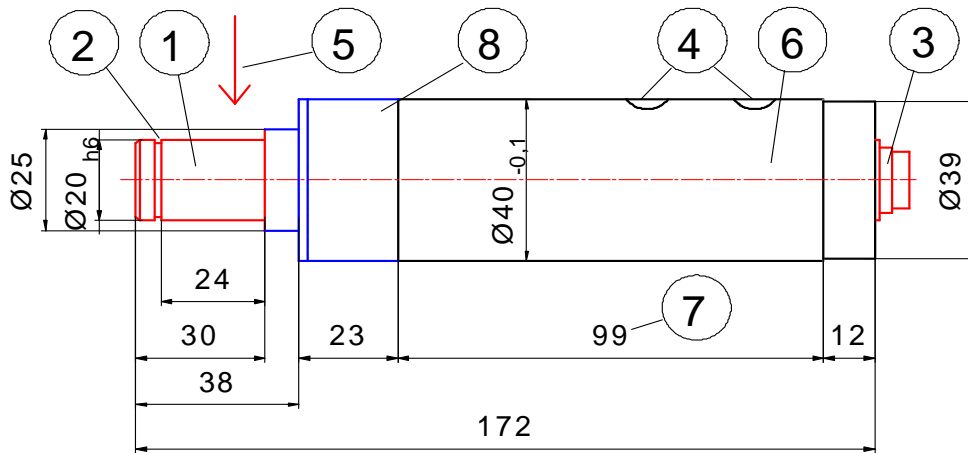


Technical data Radial Force Sensor M 1191 - C

Dimensions Radial Force Sensor M 1191 C



- 1 = Shaft (journal bearing)
- 2 = Seegerring A 20
- 3 = Connector
- 4 = Red Marks
- 5 = Load in meas. direction
- 6 = Housing
- 7 = Mounting range
- 8 = Sealing

Type M 1191 - C is a radial-force sensor without amplifier.
For transformation the low measuring-voltage into a norm-signal, it needs an external amplifier.

Therefor Tensometric amplifier are suited: KMV 10, MV 10 (without display)
 SA DMS 610, SA DMS 310 (with display)

Application: For tensile force measurement on material which has high forces

Nominal loads: from 200 N up to 5000 N, in steps of 100 N

Overload protection: 4 to 20 times, depending on the nominal load

Protection: IP 50 Option IP 64

Shaft: Standard shaft Ø 20 mm
length and diameter can be adjusted custom-made

Material: Housing and shaft : stainless steel, Sealing : SIMRIT / basis NBR

Electrical connection: 5 - pol. connector

Mounting: fixing in machines by using clamping devices which embrace the cylindrical body,
or Tensometric devices Z 40 A / Z 40 B

Measuring principle:	strain- gage, full-bridge	max. error in line.:	< ± 0,2 %
Measuring range:	1 % up to 120%	Coef. of temp.:	< ± 0,015% /°C
Error in measurement:	< ± 0,3%	Resistance input:	350 Ohm
Charact. value:	1,5 mV / V	Resistance output:	350 Ohm
Charact. value tolerance:	< ± 0,2 %	Reference- voltage:	10 V
Charact. range of temp.:	+ 5°C ...+ 60°C	Max. service voltage:	10 V

Volume of delivery: Sensor without measuring roller, with standard shaft, 5-pol. connector
Instruction manual with calculation tabular

Accessories available: Connection cable, amplifier with or without display
measuring roller, clamping device Z 40 A or Z 40 B