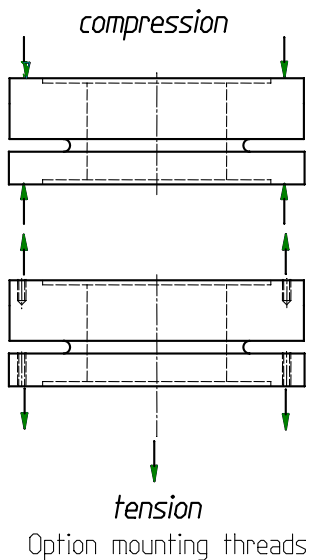


Ring force transducer, flat version with large inner diameter



Description



Special features

- flat dimensions
- level of protection IP 65
- compression force and tension force
- for press in force control

Measuring ranges

- 2 kN ... 100 kN

Applications

- Cutting tools
- Manufacturing plants
- Measurement and inspection equipment
- Test benches and production lines

Model: F6212

Technical data

Model	F6212
Nominal load F_{nom}	2 / 5 / 10 / 20 / 50 / 100 kN
Accuracy class	< 0.5 %
Limit load	150 % F_{nom}
Breaking load	>300 % F_{nom}
Combined error	$\leq \pm 0.2$ % of F.S.
Max. dynamic load	± 70 % F_{nom} acc. to DIN 50100
Creep, 30 min. at F_{nom}	$\leq \pm 0.1$ % of F.S.
Nominal deflection	< 0.15 mm
Nominal temperature range	-10 ... +50°C
Service temperature range	-30 ... +80°C
Storage temperature range	-50 ... +95°C
Reference temperature range	23°C
Temperature effect - span	$\leq \pm 0.2$ % of F.S. / 10 K
- zero	$\leq \pm 0.2$ % of F.S. / 10 K
Protection type (acc. to EN 60529/IEC 529)	IP 65
Insulation resistance	> 2 G Ω
Analogue output	
- Output signal	0.8 ... 1.2 mV/V
- Bridge signal	700 Ω
- Excitation voltage	2 ... 12 V (max. 15 V)
- Electrical connection	Cable 3 m /4-wire
Material of measuring device	Stainless steel
Weight	
- F6212	1,1 kg - 1,4 kg

Options	
calibration control	100 %
Sensorinterface Typ LCV	LCVU or LCVI 0...10 V or 0(4)...20 mA
sensitivity (S)	1 mV / V

Please specify requested nominal load at order!

