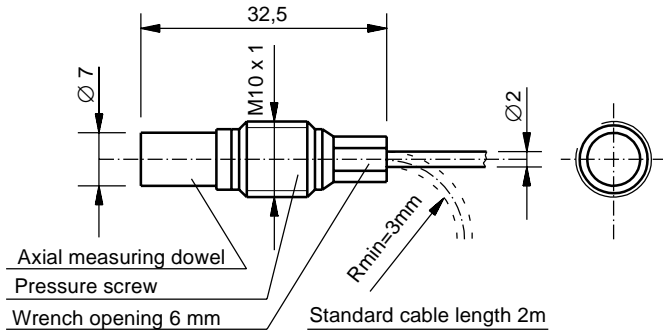


Axial and Radial Measuring Dowel

Axial measuring dowel

Article-No.: 016.100.AS2M



Coax cable, for connection to PROMETEC charge amplifier, cable can be cut to length, longer cable available.

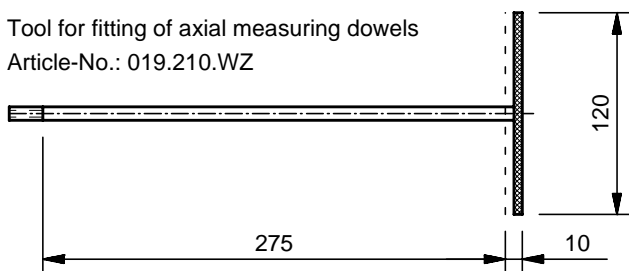
Package includes

- Axial sensor with pressure screw
- Closure PG7x5, O-ring
- 90° cable exit PG7x5 with O-ring and crimp fitting (figure: see radial measuring dowel)
- Protective hose PU, Ø 4mm, length 2m
- Screwed cable gland PG11 for 1 or 2 inputs at amplifier
- Documentation, 1 copy
- Pressure bar not included

Fitting

Insert pressure bar, screw axial measuring dowel in place with pressure screw and tighten, attach cable and fit sealed cable exit or closure, finished.

Tool for fitting of axial measuring dowels
Article-No.: 019.210.WZ

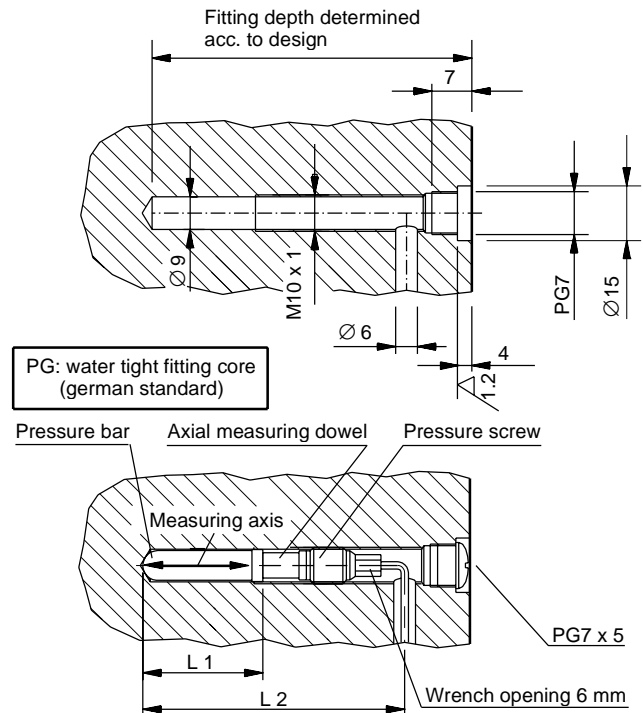


Technical data of axial measuring dowel

in relation to fitting point

Range of measur.	0-600µε (100µε), -300 to +300µε (400µε)
(Preloading)	0-2300N (300N), -1000 to +1000N (1500N)
Response threshold	0,02N ± 0,05nm ± 0,005µε
Sensitivity	-4pC/N ± -15pC/µε
Temperature range	-40 to +200°C
Enclosure	IP64, fitting pocket must be dry

Sample of dowel hole and fitting



Pressure bars	L1	L2
Article-No.:019.212.ASDS	8	45
Article-No.:019.213.ASDS	33	70
Article-No.:019.214.ASDS	58	95

Advantages

- Large range of measurement and low response threshold
- Extremely high load capacity and collision reliability
- High measuring signal dynamics, very short response time (≤ 0.3 ms)
- Simply fitting and retrofitting
- Maintenance free with unlimited service life

Applications

- Quality assurance using industrial monitoring solutions such as
 - tool monitoring, machine collisions, tool breakages
 - coping force monitoring for injection moulding or on presses
 - monitoring of assembly processes like joining, bolting, transport etc.
- Optimization of process and machine cycles
- Force detection in machine fixtures
- ACC process control

