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ISO 376
EN 10002

3115F-12390 REFERENCE FORCE TRANSDUCER

Standard reference force transducer specially designed for checking concrete testing machines according to the norms EN 12390-4 and DIN 51302-2

- Allows checking the homogeneity of the repartition of the forces generated by verifying:
  - o self-alignment and restraint on movement of the upper platen
  - o alignment of the component parts of the machine
- Normalized dimensions
- Full scale: 2 MN
- 4 independent full bridges @ 90°
- Protection: IP65
- Material: Nickel plated alloy steel
- Options:
  - o Digital output RS-232C, RS-485 or USB
  - o Class 1 and 05 following ISO376

Model 3115F-12390

TECHNICAL DATA		
Hysteresis	% RO(1)	≤ ± 0.30
Repeatability with rotation (reproducibility)		≤ ± 0.20
Repeatability without rotation (repeatability)		≤ ± 0.10
Creep (over 30 minutes)		≤± 0.10
Return to zero		≤ ± 0.05
Reference temperature	°C	20
Compensated temperature range		-10 .. +45
Service temperature range		-30 .. +70
Storage temperature range		-50 .. +85
Temperature coefficient on sensitivity	% RO / °C	≤ ± 0.035
Temperature coefficient on zero	% FS(2)/ °C	≤ ± 0.03
Sensitivity	mV/V	1.5
Time of stabilization after power excitation supply	s	200…600
Input resistance	Ohm	350 ± 3
Output resistance	Ohm	350 ± 2
Insulation resistance	MOhm	> 5000
Nominal excitation voltage	V	10
Maximum excitation voltage	V	15
Service load	% FS	100
Limit load		110
Breaking load		> 300

(1) RO is the rated output (i.e.: measured value). The mentioned values are only valid if RO ³ 20% of full scale).

(2) FS is the full scale of the force transducer.

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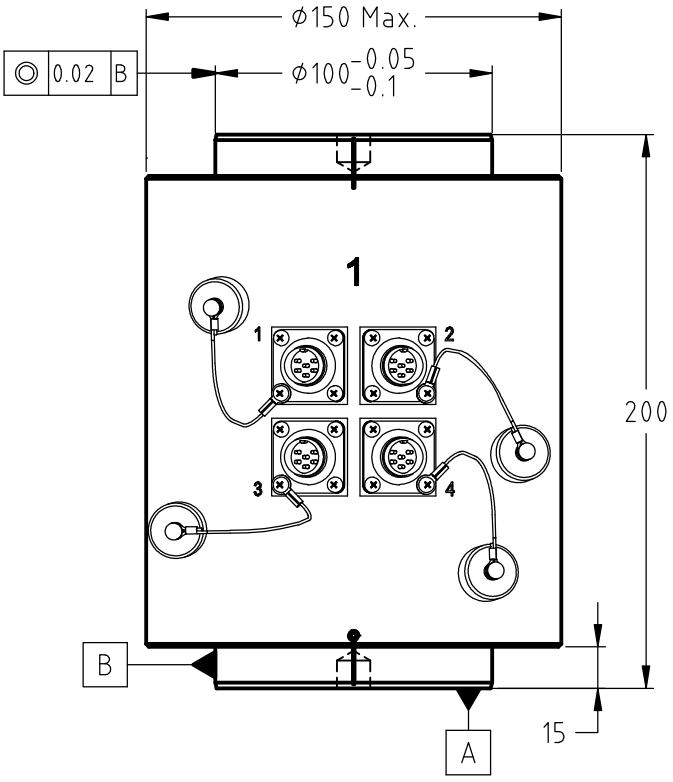
LOAD CELLS

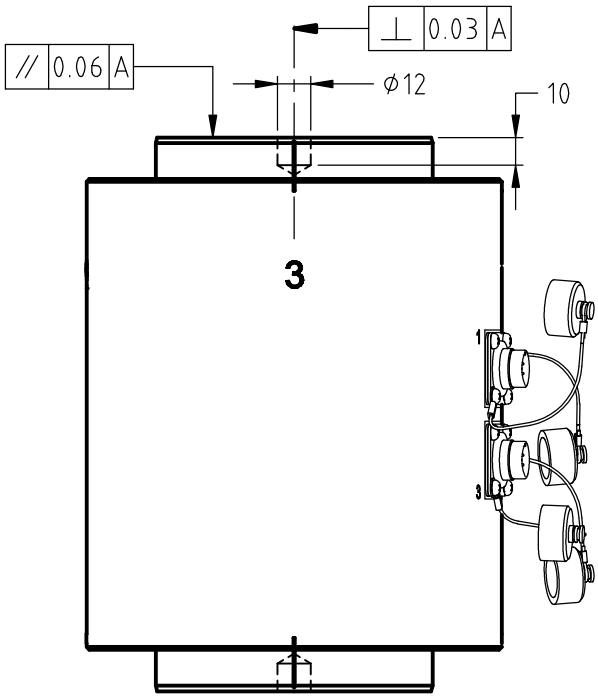
CE

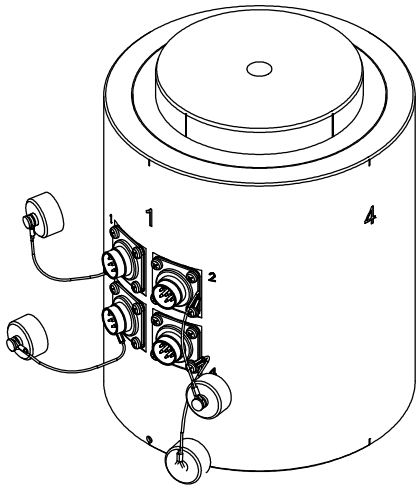
modele 3115F stainless steel

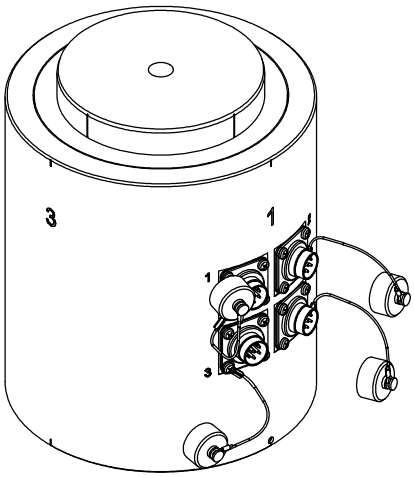
COMPRESSION

Spécial sensor following EN 12390-4 & DIN 51302-2
(4 independents full bridges)

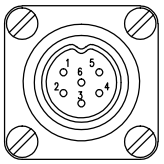








FEMALE-MALE CONNECTOR DIN 45322



CONTACT N°		
1	Excitation	– Yellow
2	Signal	+ Green
3	Signal	– White
4	Excitation	+ Brown
5	Sense	– Grey
6	Sense	+ Pink

Cable screen not connected to transducer
Option f : Cable screen connected to transducer

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