



OIML Member State
Denmark

OIML Certificate No.
R60/2017-A-DK2-2023.04

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: **FORCE Certification A/S**
Address: **Park Allé 345, 2605 Brøndby, Denmark**
Person responsible: **Leif Madsen**

Applicant

Name: **Giropes**
Address: **Pol. Empordà Internacional C / Mollo, 3
17469 Vilamalla (Girona)
Spain**

Manufacturer **Giropes**

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

BPR

Designation of the module *(if applicable)*

A shear beam analogue load cell with shape as a weighing pad.

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 60, Edition (year): 2017

For accuracy class (if applicable): **C0.5**

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML reports:

Type examination report: No. 121-26819.11 dated 15 December 2021, that includes 30 pages

Type evaluation report: No. 121-26819.90.40, dated 28 June 2023, that includes 8 pages.

The technical documentation relating to the identified type is contained in documentation file:
121-26819

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	07 July 2023	

Identification, signature and stamp

The OIML Issuing Authority

FORCE Certification A/S

Date: 07 July 2023

Jens Hovgård Jensen

Certification Manager

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

Descriptive annex

Type designation		BPR
Accuracy class acc. to OIML R60		C
Maximum number of intervals	nLC	500
Maximum capacity	E _{max}	10 t to 20 t
Apportionment factor	pLC	0.7
Ratio of min LC verification interval	$Y = E_{max} / v_{min}$	500
Minimum dead load output return	$Z = E_{max} / 2 * DR$	500
Minimum dead load	E _{min}	0 kg
Safe load limit	E _{lim}	125 % E _{max}
Rated output		1 mV/V
Reference excitation voltage		10 VDC
Recommended excitation voltage		5 to 12 VDC
Maximum excitation voltage		18 V
Input impedance		1080 ±20 Ω
Output impedance		1000 ±20 Ω
Temperature range	BT	- 10... +40 °C
Humidity condition		CH
Degree of protection		IP68
Load cell material		Steel - Aluminium
Cable		4-wire
Default cable length		20 m – Ø 0.20 mm ²

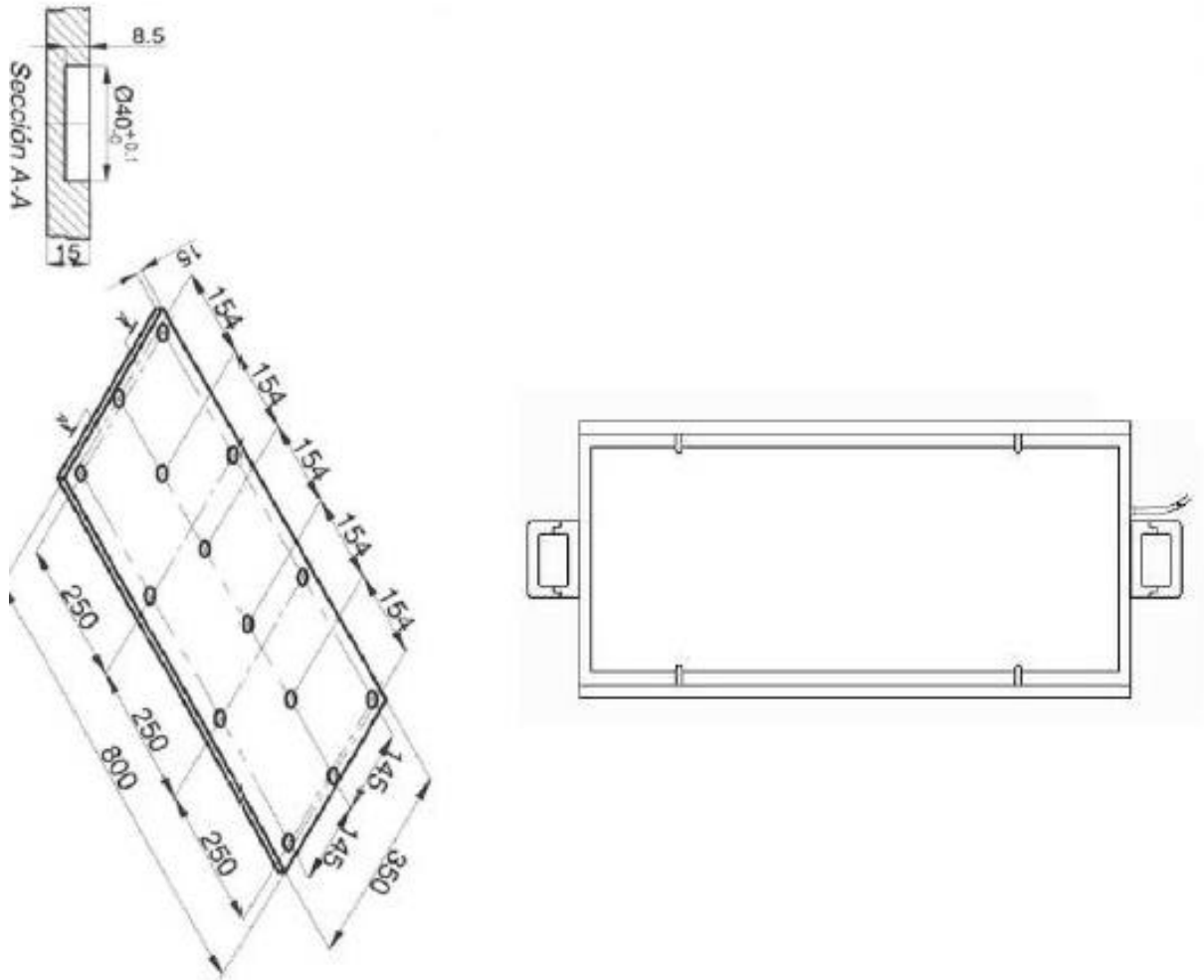


Figure 1 BPR – general view

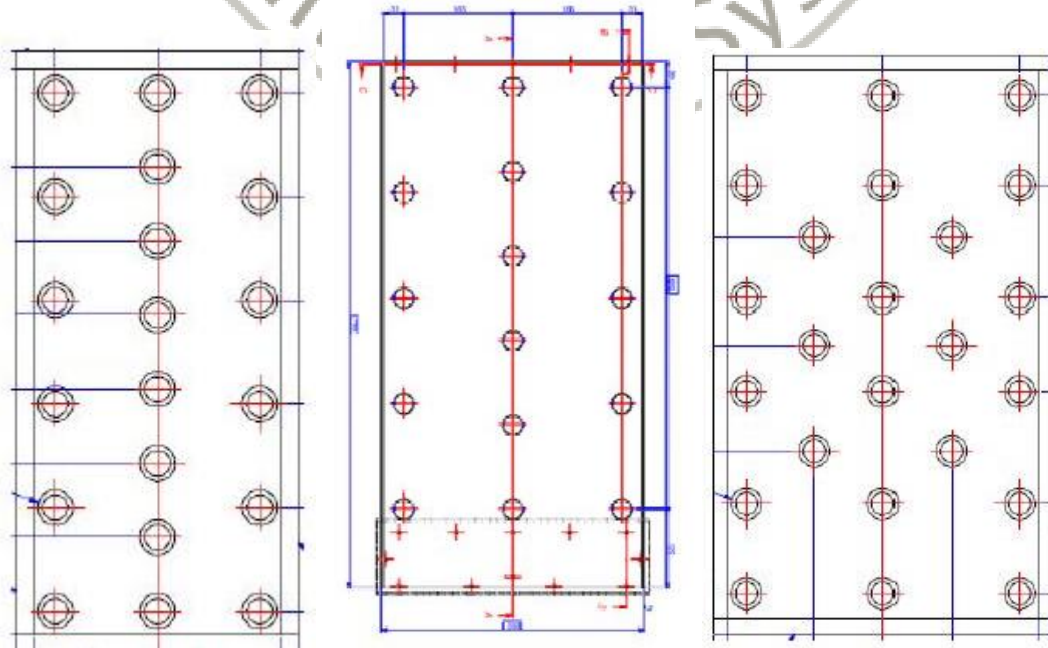


Figure 2 BPR variants