

Test report

N°427

DUT type:	FRAME 2000H 800W 1200D	Test date:	26/02/2021
DUT p/n:	24630-018	Firmware:	N/A
DUT s/n:	N/A	Test also applies to p/n:	
Test item: Castor kit for a frame mounting, similar existing Varistar			
Results: <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> MIXED			
Document history:			
Revision	Date	Author	Description of changes
1.0	26/02/2021	J-Luc Hoffmeyer	Initial release



Information about producer:
 Schroff SAS
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1 Test purpose

In order to release a Varistar CP casters Kit, we checked the compliance of castor according our internal test method. All the tests were made for castor Kit with max. loading capacity of 400 Kg.

2 Description of the test

2.1 Static strength test

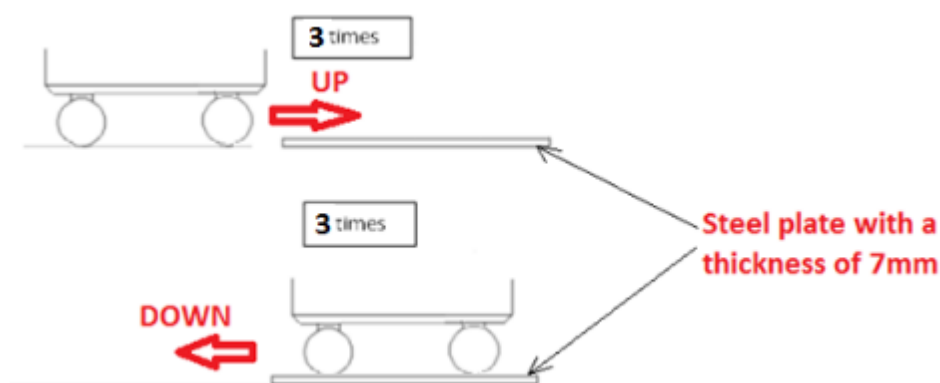
Cabinet or castor kit nominal loading + 25%
Nominal = 400Kg, => loading for the test =500Kg
The cabinet must be loaded during 120 hours.

⇒ Acceptance criteria: no damages or deformation on the casters or structure

2.2 Internal dynamic threshold test & dynamic test

Cabinet or castor kit nominal loading + 25%
Nominal = 400Kg, => loading for the test =500Kg

- The cabinet must go down from a 7mm high plate at least 3 times
- The cabinet must go up the same 7mm high plate at least 3 times
- Testing been trailed in our industrial hall on 750 meters, speed 0,4 m/s (surface is well, no irregularities)



⇒ Acceptance criteria: no damages or deformation on the casters or cabinet structure

2.3 Loading x4

We pushed on the top of the cabinet to simulate the weight who is into the cabinet.

We have to push with a force of 1600kg: 4x400kg to be according with DIN EN 61010-1.

Acceptance criteria:

- ⇒ check the castors visually, and roll the cabinet to check that the casters didn't break.

3 Test Setup

3.1 Test resources/equipment

- a lift truck
- loads (still plates in transportation box)
- slings (ropes, belts, chains, etc...)
- 7mm plate

3.2 Test object

- Varistar CP Frame 42U 800W 1200D
- Casters: **24630-018**

4 Results:

- 4.1 Static strength test:test passed
- 4.2 Internal threshold & dynamic test:test passed
- 4.3 Loading x4 (see previous test report N°308).....test passed

5 Conclusion

The casters kit 24630-018 passed successfully the tests for dynamic load carrying capacity of 400Kg

Castor Kit 24630-018 released for 400Kg