

Number test : 2103

Date : 6/03/2014

Article : **341310H**

Test result : **POSITIVE**

## 6.2 - Evidence of overload

6.2.1 - Overload static vertical

✓ Load the door according to the level of testing to be performed (level 1-0 Kg, Level 2 - 20 Kg, Level 3 - 30 Kg). Open and close the door for 10 complete cycles

6.2.2 - Horizontal static overload

✓ This test applies only to hinges with opening angle <135 °. Apply the load depending on the level that you want to take the test (level 1-0 Newton, Level 2 - 60 Newton, level 3-80 Newton) . Open and close the door for 10 complete cycles.

## 6.3 - Function tests

6.3.3 - First test with vertical load

✓ Load the door according to the level at which you want to perform the tests (level 1 to 10 Kg, Level 2 - 15 Kg, Level 3 - 20 Kg). Open and close the door for 10 complete cycles.

6.3.4 - first test with static horizontal load

✓ This test only applies to hinges with opening angle <135 °. Charging the door according to the level at which you want to perform the tests (level 1 to 25 Newton, level 2-30 Newton, level 3-40 Newton). Open and close the door for 10 complete cycles.

6.3.9 - Second test with vertical load

✓ Load the door according to the level at which you want to perform the tests (level 1 to 10 Kg, Level 2 - 15 Kg, Level 3 - 20 Kg). Open and close the door for 10 complete cycles.

6.3.10 - Second test with static horizontal load

✓ This test only applies to hinges with opening angle <135 °. Charging the door according to the level at which you want to perform the tests (level 1 to 25 Newton, level 2-30 Newton, level 3-40 Newton). Open and close the door for 10 complete cycles.

## 6.4 - Corrosion resistance

The test is conducted only at the specific request of the customer

6.3.7 - outcome durability test

Cicli	Forza ritenuta	Massima forza chiusura	Massima forza apertura	Calo anta	Peso applicato
0	2,6 N	1,8 N	7,4 N	0 mm	2 Kg
10.000	2,3 N	1,8 N	7,4 N	0,3 mm	2 Kg
20.000	1,8 N	2,2 N	7,4 N	0,3 mm	2 Kg
30.000	1,8 N	2,2 N	7,4 N	0,5 mm	2 Kg
40.000	1,4 N	2,3 N	7,4 N	0,6 mm	2 Kg
50.000	1,5 N	2,5 N	7,4 N	0,7 mm	2 Kg
60.000	1,1 N	2,7 N	7,5 N	1 mm	2 Kg
70.000	1 N	2,7 N	7,6 N	1,3 mm	2 Kg
80.000	0,85 N	3 N	7,7 N	1,5 mm	2 Kg

Durability test : apply a mass of 2 kg, open and close according to the chosen level (level 1 to 20,000 cycles, level 2 to 40000 cycles, level 3 to 80,000 cycles)  
the drop must not exceed 0.5% of the width