

Product information

Nirox F014

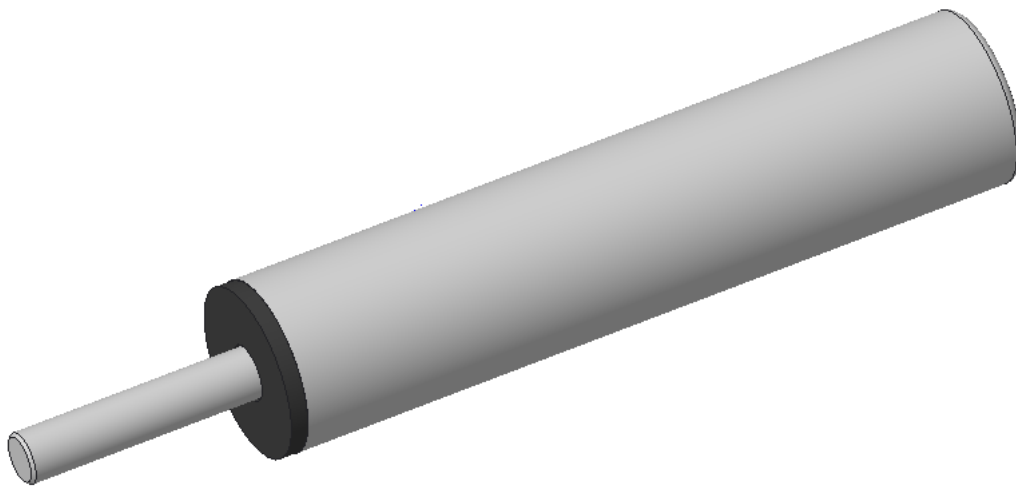
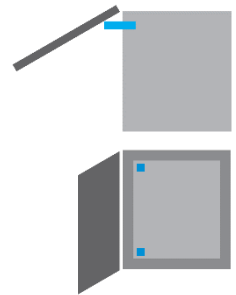
**THE
KNOW-
HOW
FACTORY**

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General data:

Type of product:	Fluiddamper with 14 mm stroke
Origin :	Rheinau, Baden- Württemberg, Germany
Lifetime:	250.000 cycles
Installation option:	Flap Hinge



With the new Nirox fluid damper, Zimmer Group closes the gap between furniture and industrial applications. This damper has the same housing dimensions as our “MASSIMO - F020” and is therefore easy to replace. These individual fluid dampers made of stainless steel convince of a high force with a longer lifetime in highest quality requirements.

Index

1. Content	3
2. Function.....	3
3. Technical data	4
4. Characteristics	4
5. Integration	4
6. Accessories.....	5
7. Damper characteristic	5
8. Technical drawing	6
9. Test procedure	7
10. Materials.....	7

3. Technical data

Housing length [mm]:	45
Housing diameter [mm]:	10,0
Piston rod diameter [mm]:	3,0
Stroke [mm]:	14
Return spring	yes
Maximum weight to be braked [kg]:	
Lifetime [cycles]:	250.000
Release:	no
Operating conditions [°C]	+10 <-> +40
Storage conditions [°C]	-20 <-> +80

4. Characteristics

Extract damper	
Push damper	<input checked="" type="checkbox"/>
Fluid damper	<input checked="" type="checkbox"/>
Air-friction damper	
Different damping characteristics	

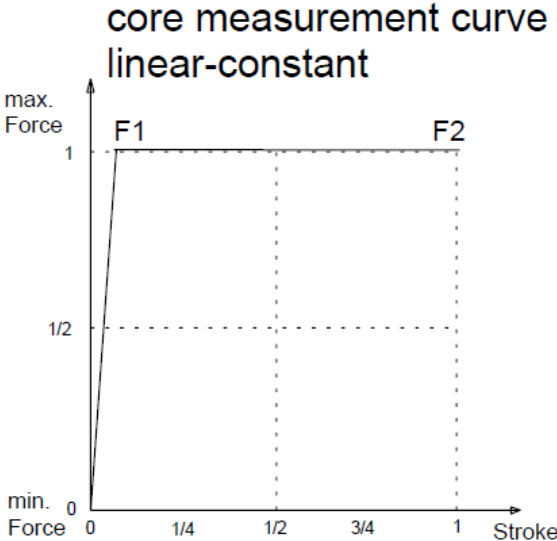
5. Integration

Main application:

Sliding door	
Drawer	
Hinge	<input checked="" type="checkbox"/>
Flap	<input checked="" type="checkbox"/>

6. Accessories

7. Damper characteristic



8. Technical drawing

$S1 = 11.02\text{mm}$
 $S2 = 25.02\text{mm}$
 $F1 = 4.1\text{N} \pm 0.6\text{N}$
 $F2 = 9.31\text{N} \pm 0.69\text{N}$

spring value without friction!
 Range of performance: 250N (V=1mm/s)
 Operating conditions: +10°C <-> +40°C
 Storage conditions: -20°C <-> +80°C
 Housing condition: normal
 Force normal value reachable between 20-25°C
 ① Do not extract piston rod
 ② Label: production date/Label number

core measurement curve
linear-constant

Instructions for as-delivered condition and assembly:

- * max. extended length of the damper X.
- * max. retracted length of the damper Y.
- * usable area for handling and assembly in the area of A possible.
- * the damper may not be used as stopper. Retracted length of the damper less than Y is not allowed!
- * the position of the piston rod in as-delivered condition is possible between X and Y.

Technical Specifications:

Model code	4-1	Clavet surface	6257mm ²	Clavet weight	0.0320kg
Material	-	Max. stroke	-	Volume	4241mm ³
Stroke	14mm	Stroke	-	Stroke	FLUID10
Series	Bullitolino				
Part no.	F014-10-202_-				

General Information:

general tolerances acc. to DIN ISO 2768 - m

Checkmarks: checked, not checked, not applicable

Dimensions: 06.04.21

Drawn by: twagner

Checked by: -

Approved by: -

Scale: -

Projection: projection

ISO 13715

ZIMMER group

Product: -

Name: -

Details: -

Manufacturer: Zimmer GmbH Österreich

Address: -

Country: -

Formal DIN A3

9. Test procedure

Test	Requirements according to Zimmer	Requirements Zimmer met
Long-term test	250.000 cycles at 0,003 m/s	✓
Over stress test	10 cycles at 0,02 m/s	
Storage test	-20°C to 80°C	✓
Climate test	10°C to 40°C	✓

10. Materials

Housing:	1.4301
Spring:	EN10270-3
Piston rod:	X5CrNi18-10
Oil	Silicon oil
Coupler:	
Disk:	PET/ POM
Piston	2.1090
Cap:	POM
Sealing	NBR