



NEW
2016



Soft Close

Fluid Dampers for increased closing comfort with drawers, sliding doors, lids and hinges

- + Lungo
- + Robusto
- + Settantino
- + Centino

THE KNOW-HOW FACTORY

THE SOFT SIDE OF LIFE

Our damping solutions make the closing of sliding systems, doors, drawers and lids into an unmissable experience. Luxury at home, in your office, in your house, in your car and even in your spare time. Soft Close can be adapted to your every need.

BRANCH FIELDS

- ▶ Fitting and furniture industry
- ▶ Systems and mechanical engineering
- ▶ Appliance manufacturers
- ▶ Automotive applications



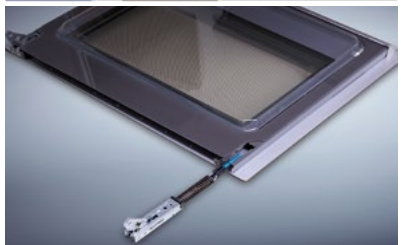
THE LATEST INNOVATIONS AT A GLANCE

This brochure gives an overview of the 2016 product innovations for Soft Close Fluid Dampers.

The damping is integrated invisibly in movement systems for especially quiet and soft closing. The high quality of the materials and processes used make **ZIMMER** products exceptionally high-performance, long-lasting and easy-to-use, thereby suited to application in high-end applications.

APPLICATION AREAS

- ▶ Drawer systems
- ▶ Sliding door systems
- ▶ Lids
- ▶ Hinges
- ▶ Retrofit sets
- ▶ Customer-specific solutions



LUNGO

THE NEW FLUID DAMPER GENERATION – EVEN GREATER DIVERSITY



HEAD FORM CONNECTION

Customer-specific

Proven **ZIMMER** technology for the maximum comfort. With its exceptional compatibility, **LUNGO**, the functional perfectionist fits into nearly every installation situation.

Fluid damper

Weight to brake gently: 25 kg

Path to brake gently: 30 mm

PRODUCT CHARACTERISTICS

- ▶ Use in drawers, sliding doors, lids, and hinge dampers
- ▶ New: Small exterior dimensions enable integration in the smallest contexts
- ▶ Wide range of applications
- ▶ High-performance
- ▶ Guaranteed movement frequency of 100,000 cycles
- ▶ Fulfills high quality requirements
- ▶ Reliable and especially adaptable
- ▶ Can be combined with mechanical Self-Closing Units for soft closing
- ▶ Operating temperature: 10°C to 40°C
Storage temperature: -20°C to 80°C

Technical data

Housing-length [mm]	Ø Damper [mm]	Length of piston rod [mm]	Ø Piston rod [mm]	Stroke [mm]	Forces* [N]	Medium
Lungo					Order-no.: F030-06-007	
77.9	6.1	59.1	1.5	30	6,8 ± 2	Fluid

No spring reset

* Measured with a test speed of 33 mm/s

ROBUSTO

FASCINATING DAMPING TECHNOLOGY FOR HIGH-PERFORMANCE WITH MINIMAL SPACE REQUIREMENTS



HEAD FORM CONNECTION

Customer-specific

Strong and small. Soft Close Damping ensures calm. **ROBUSTO** for a great closing experience with drawers and sliding doors for even more ease and harmony.

Fluid damper

Weight to brake gently: 50 kg

Path to brake gently: 54 mm

PRODUCT CHARACTERISTICS

- ▶ Use in drawers and sliding door damping
- ▶ New: Flexible application, can be coupled via the ball head
- ▶ Soft-closing damping path entuses all
- ▶ Guaranteed movement frequency of 100,000 cycles
- ▶ Complies with high quality requirements; can be realized in a range of forces
- ▶ Can be combined with mechanical Self-Closing Units for soft closing
- ▶ Operating temperature: 10°C to 40°C
Storage temperature: -20°C to 80°C

Technical data

Housing-length [mm]	Ø Damper [mm]	Length of piston rod [mm]	Ø Piston rod [mm]	Stroke [mm]	Forces [N]	Medium
Robusto					Order-no.: F054-08-002	
88	7.9	80.5	1.8	54	13 ± 5	Fluid

No spring reset

SETTANTINO

SOPHISTICATED SOFT CLOSE TECHNOLOGY AND INNOVATIVE SOLUTIONS



HEAD FORM CONNECTION



T-coupler

SETTANTINO sets new standards – a delicate form with precise, high-performance technology. **ZIMMER** Soft Close technology convinces with its small exterior diameter and the comfort which it provides.

Fluid damper

Weight to brake gently: 80 kg

Path to brake gently: 70 mm

PRODUCT CHARACTERISTICS

- ▶ Use in drawers and sliding door damping
- ▶ New: Small exterior diameter enable integration in the smallest contexts
- ▶ Wide range of applications
- ▶ High-performance
- ▶ Guaranteed movement frequency of 100,000 cycles
- ▶ Fulfils high quality requirements
- ▶ Can be combined with mechanical Self-Closing Units for soft closing
- ▶ Operating temperature: 10°C to 40°C
Storage temperature: -20°C to 80°C

Technical data

Housing-length [mm]	Ø Damper [mm]	Length of piston rod [mm]	Ø Piston rod [mm]	Stroke [mm]	Forces [N]	Medium
Settantino					Order-no.: F070-08-201	
118.2	7.9	109.4	2.3	70	10 - 30	Fluid

No spring reset

CENTINO

A NEW DEVELOPMENT – FOR LONGER PATHS TO BRAKE GENTLY IN SLIDING DOORS



HEAD FORM CONNECTION



T-coupler

New dimensions with **CENTINO**. Space-saving construction brings uncompromising and indulgent fitting.

Fluid damper

Weight to brake gently: 80 kg

Path to brake gently: 100 mm

PRODUCT CHARACTERISTICS

- ▶ Use in sliding door damping
- ▶ New: Soft-closing with higher door weights of up to 80 kg
- ▶ New technology – the same opening speed
- ▶ Specially developed, available in a range of forces
- ▶ Made in Germany guarantees highest quality
- ▶ Use of high-quality materials
- ▶ Professional production
- ▶ The interaction of perfect components at the highest level guarantees exceptional durability
- ▶ Operating temperature: 10°C to 40°C
Storage temperature: -20°C to 80°C

Technical data

Housing-length [mm]	Ø Damper [mm]	Length of piston rod [mm]	Ø Piston rod [mm]	Stroke [mm]	Forces [N]	Medium
Centino					Order-no.: F100-08-201	
152.2	7.9	143.4	2,3	100	10 - 30	Fluid

No spring reset

FLUID DAMPERS

HIGH PERFORMANCE

Fluid dampers have been a central component of the **ZIMMER** damping system portfolio for many years. All “Made in Germany”, **ZIMMER** Soft Close dampers are highly safe and provide a large load-bearing capacity.

The damping process

Using a high-quality **ZIMMER** fluid damper, the damping process provides a flowing, soft transition from the braking to the return phase.

Characteristics

Depending on the fluid damper used, the characteristics differ between linear, linear-constant or S-curve characteristics.

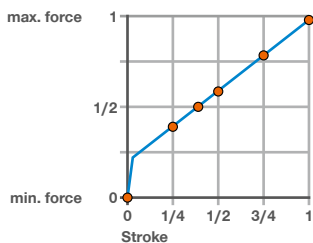
Loading options

The loading options are specified in Newtons. This measure indicates the axial load on the damper. The force depends on the speed acting upon the damper. Our measurements are made with a standard speed of 50 mm/s (other speeds can be measured depending on customer requirements).

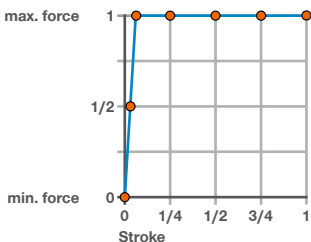
Fluid damper characteristics

Display of the damping force depending on the stroke

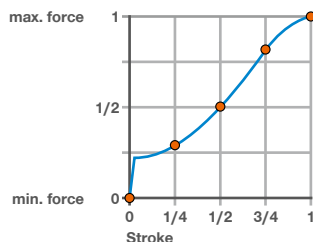
▶ Linear



▶ Linear constant



▶ S Curve



TECHNOLOGIES

The Zimmer Group has bundled its expertise in six areas – Handling Technology, Damping Technology, Linear Technology, Process Technology, Tooling Technology and Machine Tooling Technology – in which it has established itself as a world-leader.



**HANDLING
TECHNOLOGY**



**DAMPING
TECHNOLOGY**



**LINEAR
TECHNOLOGY**



**PROCESS
TECHNOLOGY**



**TOOLING
TECHNOLOGY**



**MACHINE TOOLING
TECHNOLOGY**