



Titus Damper and Damping Systems

Multipurpose
damping technology

2022

Important Information

Technical information

While every effort has been made in the production of this catalogue to ensure the accuracy of information, our products are continually being revised and users should confirm the up to date specification before ordering. Due to constant improvement of products presented in the catalogue, we can make changes at any time and without notice.

Responsibility

It is the responsibility of the user to ensure the fitness of hardware for the intended purpose. We recommend assessment by appropriate testing in the application and by technical enquiry to our representatives.

Intellectual property

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*Non preferred articles

All Item numbers in the catalogue marked with * are for non preferred items available on extended delivery times.

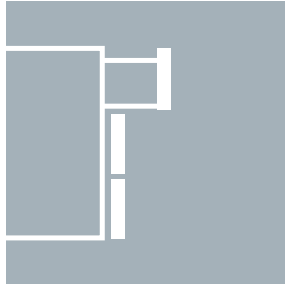
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Multipurpose damping technology for high volume applications



Furniture doors



Drawers



Lids for various purposes
- top load washing machines
- lift-up systems



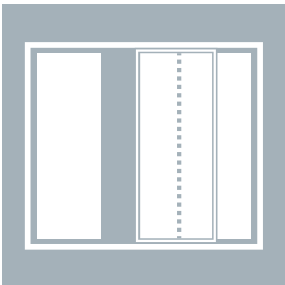
Interior doors



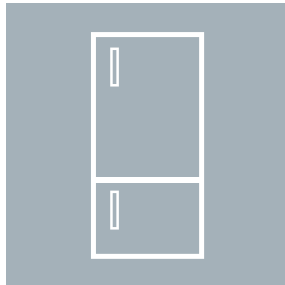
Sanitary equipment



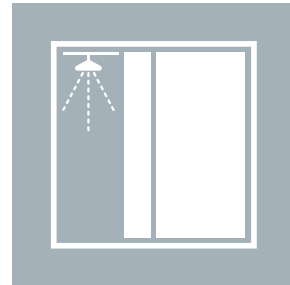
House-hold appliances



Sliding doors



Refrigerators



Shower doors

Force and performance consistency

- Consistent and reliable damping at any closing speed
- Increases life-time expectancy of objects
- The system reliably reaches the end position regardless of speed

Fully controllable damping action

- Precise definition of forces and their distribution over the whole damping action
- Fine tuning of performance to specific applications

Cold/hot environment friendly

- Efficient performance in temperature range from -30°C to +150°C (-22°F to 302°F)

Titus Damper



Efficient modular design

- A low number of assembly parts enables quick development of customised solutions
- Engineered for efficient and high precision manufacturing
- Customised solutions for various furniture and other applications

Quality

- Integrated quality checks assure consistency over high volume production runs
- Sealing process prevents oil leakage

Totally Integrated Engineering

- Titus Group has the competence, experience and resources to offer support in all phases of the product life-cycle; from product design to efficient high volume manufacturing
- All manufacturing phases at one location

Titus Damper

Damping technology

Design and functional principles

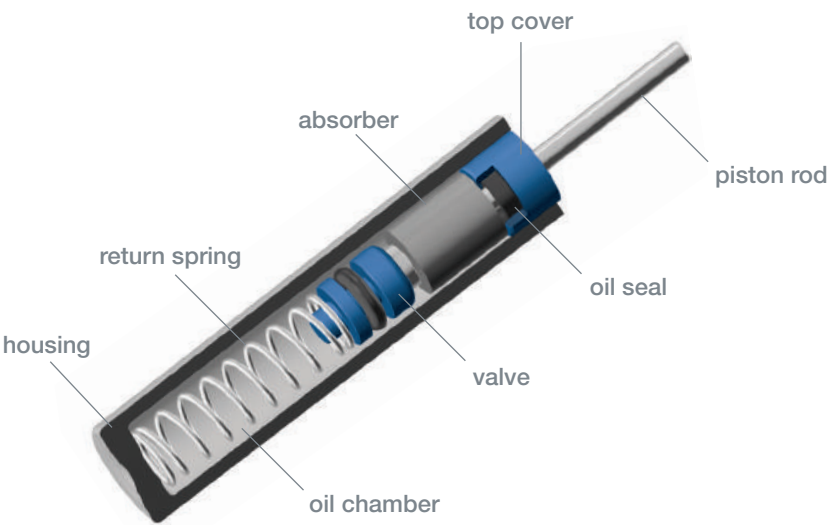
Titus dampers slow down linear or rotary movement before reaching a resting position.



Functional principles

By converting kinetic energy into thermal energy, hydraulic dampers reduce hard shocks and oscillation amplitudes. In a linear damper, the kinetic energy of the moving object is transferred through the steel rod to the valve in the damping cylinder.

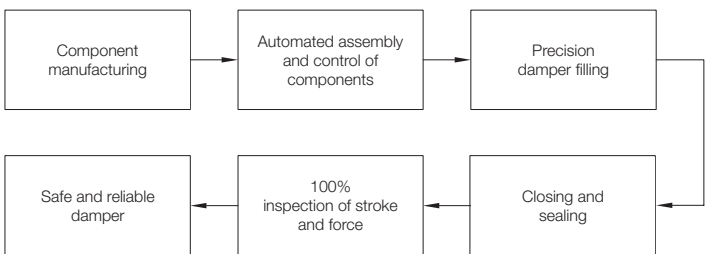
Hydraulic fluid is pushed through the valve and heat is generated. As the spring returns the valve to its original position hydraulic fluid flows back into the damping chamber.



Quality control system

100% quality check of all dampers

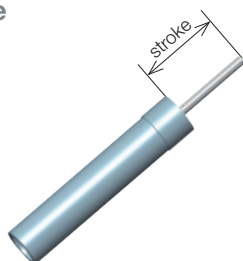
- High precision manufacturing
- Automated assembly technology minimises variations in performance
- Integrated 100% quality checks ensure consistency over high volume production runs
- Proprietary assembly and quality assurance equipment



Process chart

Application

Stroke



S Series

Short stroke dampers are dampers with a maximum stroke of 16mm. They are suitable for solutions requiring the damping action to be spread over a short course. Short stroke dampers have automatic return of the piston rod.

L Series

Long stroke dampers have a stroke greater than 16mm. They are suitable for solutions that require the damping action to be spread over a long course. Long stroke dampers have automatic or mechanical return of the piston rod. Long stroke dampers are usually needed for systems with heavier weights or faster initial speeds.

Areas of application

Interior home or commercial application



swinging doors



drawers, pull-out systems in base cabinets, pantry pull-out systems, office filing systems, waste bin pull-out systems



lift-up, drop-down doors



sliding doors

Transportation



interior doors



house-hold appliances



bathroom and sanitary equipment

Various other purposes



swimming pool fences

Titus Damper

Product Scope

Overview

Technical details

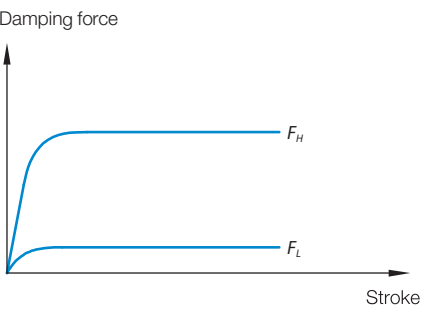
Diameter of cylinder	8mm, 9mm, 10mm, 13mm
Damping forces	
S Series dampers (at 740mm/min)	from 5N to 400N
S Series Evolut dampers (at 740mm/min)	from 400N to 1000N
L Series dampers (at 1000mm/min)	from 2N to 22.5N
Standard stroke lengths	from 10mm to 100mm
Types of dampers	Linear, hydraulic
Operating temperature range	
Cold environment	-30°C to 150°C (-22°F to 302°F)
Room temperature	-30°C to 0°C (-22°F to 32°F)
Hot environment	0°C to 70°C (32°F to 158°F)
	70°C to 150°C (158°F to 302°F)
Material of piston rod	Stainless steel
Material of cylinder	Plastic

For optimal damping performance standard dampers can be customised with: damper connection, damping force, damping characteristics, body colour, type of self closing mechanism.

Piston rod return (resetting)

Automatic – with spring	Mechanical – without spring
The piston rod is automatically reset by the internal spring.	The piston rod is manually pulled out into the starting position.

Operating scope

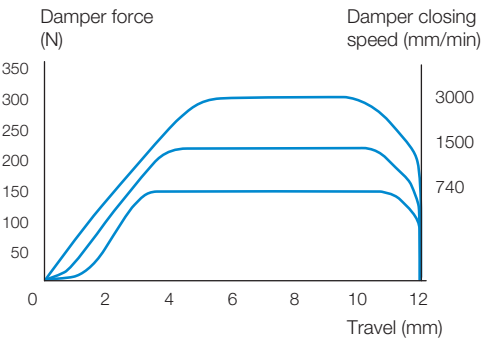


- High coefficient γ of Titus damper assures efficient damping at any closing speed
- Damping force can be easily adapted to customer needs

$$\gamma = \frac{F_H}{F_L}$$

F_H - damping force at slam speed (740mm/min)

F_L - damping force at slow speed (60mm/min)

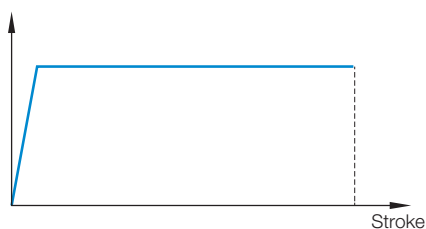


Percieved damper forces, related to different constant speed forces

Example: Diagram shows the damper with the nominal force 150N

Damping action

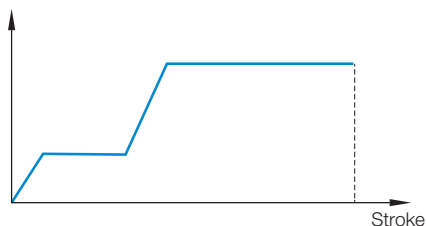
Damping force



Flat or linear damping curve shows the uniform action produced during damper closing at a defined speed.

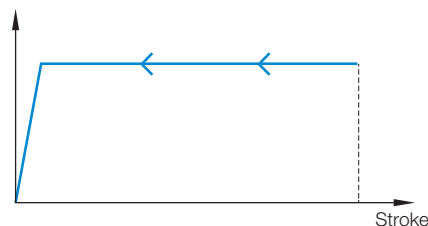
- Even and smooth soft closing action
- Soft and reliable closing

Damping force



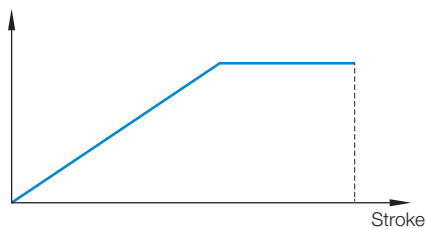
MultiStage damping curve brings a controlled function through more stages. At the beginning the lower damping force is applied to slow down the object and prevents re-bounce, afterwards there is a higher damping force to assure efficient deceleration of damped object.

Damping force



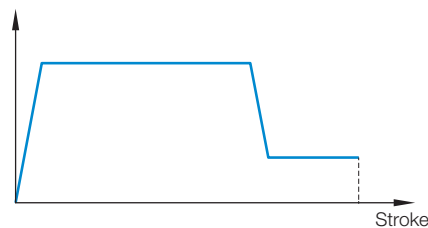
Reverse damping curve occurs when pulling the damper rod out of the housing, contrary to standard damper when damping function occurs pushing the rod in.

Damping force



Ramp damping curve shows the progressive action produced during damper closing at a defined speed.

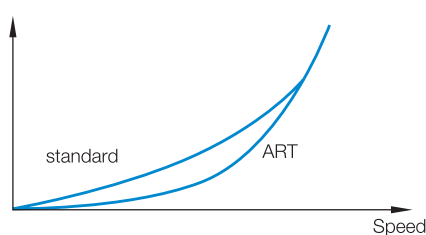
Damping force



Damping curve with final release shows the flat/linear damping action produced during damper closing at a defined speed and drop of the force before the damper reaches the end position.

Response to speed

Damping force



Response to speed defines the increase in damping force in relation to the closing speed of the damping object.

Standard

The damping force increase is approximately linear to the increasing speed of closing.

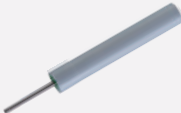

ART - Adaptive Response Technology

The damping force increase is parabolically adaptive to the increasing speed of closing. Consequently, the door closing is smooth, progressive, and reliable. This function allows a lower door opening force.

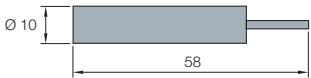
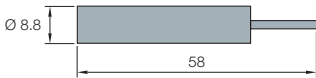
Titus Damper

Product Guide

S Series - Short Stroke Dampers

	For standard temperature range	For extended temperature range
Product	Damper SG	Damper SP
		
Technical characteristics		
Length (mm)	42	42
Ø piston rod (mm)	2	2
Ø cylinder (mm)	9	10
Max. stroke (mm)	16	15
Max. damping force (N)	60	350
Damping characteristics	flat, reverse	flat, MultiStage, ramp
Piston rod return	spring	spring
Operating temperature	0°C to 40°C (32°F to 104°F)	0 to 120°C (32°F to 248°F)
Storage temperature	-20°C to 70°C (-4°F to 158°F)	-20°C to 120°C (-4°F to 248°F)
Material of the piston rod	Stainless steel	Stainless steel
Damper type	hydraulic	hydraulic

***Space requirements**



Stroke limits



*Space requirements = Minimum extent of space required to place the damper



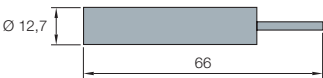
Titus dampers can be altered for customised solutions

For additional information please contact Titus group representative or submit the criteria form available on www.titusplus.com

Damper ST Evolut





50
2.5
13
14
1000
flat, MultiStage, ramp
spring
0 to 150°C (32°F to 302°F)
-20°C to 150°C (-4°F to 302°F)
Stainless steel
hydraulic



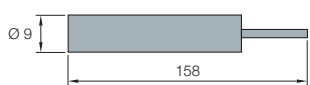
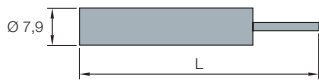
Titus Damper

Product Guide

L Series - Long Stroke Dampers

	For standard temperature range	
Product	Damper LF	Damper LD
		
Technical characteristics		
Length (mm)	80	88
Ø piston rod (mm)	2	2
Ø cylinder (mm)	8	9
Max. stroke (mm)	45	50
Max. damping force (N)	5.5	20
Damping characteristics	flat, ramp, release, MultiStage	flat
Piston rod return	spring, mechanical	mechanical
Operating temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 70°C (-4°F to 158°F)	-20°C to 70°C (-4°F to 158°F)
Material of the piston rod	Stainless steel	Stainless steel
Damper type	hydraulic	hydraulic

*Max. space requirements



spring L = 126
mechanical L = 133

Stroke limits



spring SL = 35 max
mechanical SL = 45 max

*Space requirements = Minimum extent of space required to place the damper



Titus dampers can be altered for customised solutions

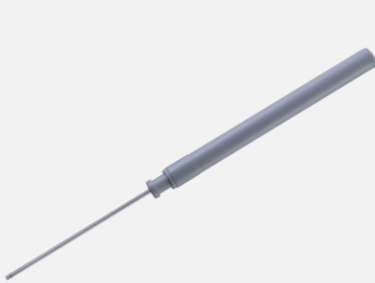
For additional information please contact Titus group representative or submit the criteria form available on www.titusplus.com

For standard and extended temperature range

Damper LA

Damper LG

Damper LK



97

151

92

2

2.3

2

9

9

9

50

100

53

7

22.5

22.5

flat, ramp, release, reverse

flat

flat, ramp, release, reverse

mechanical

mechanical

spring, mehanical

0°C to 40°C (32°F to 104°F)

0°C to 40°C (32°F to 104°F)

-30°C to 40°C (-22°F to 104°F)

-20°C to 70°C (-4°F to 158°F)

-20°C to 70°C (-4°F to 158°F)

-40°C to 70°C (-40°F to 158°F)

Stainless steel

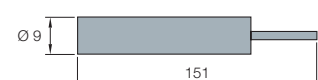
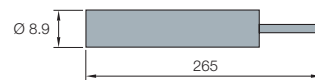
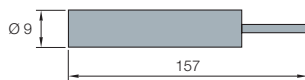
Stainless steel

Stainless steel

hydraulic

hydraulic

hydraulic



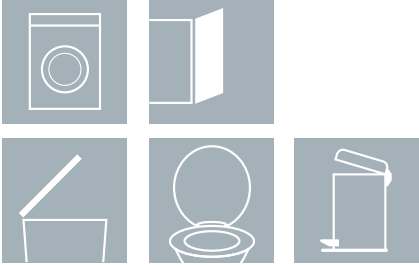

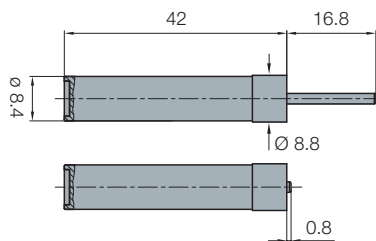

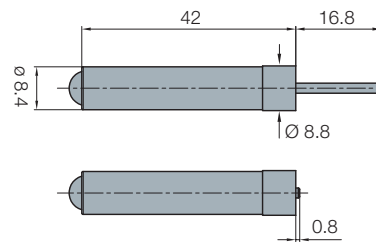

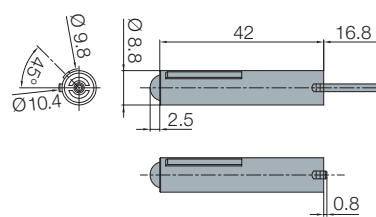
S Series

For standard temperature range

- Series of standard dampers for various applications requiring low force
- Applications: furniture doors, various lids, toilet seats, washing machine doors
- Damping force, stroke and damping characteristics can be tuned to customer requirements



Dampers can be altered for cold environment applications down to -30°C (-22°F)

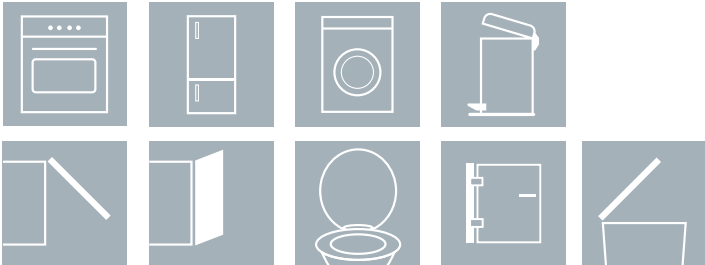

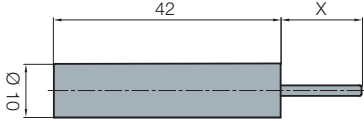
		Damping force at v=740mm/min (N)	Working stroke (mm)	Piston rod return	Damping characteristics	Item number
Technical details						
SG 8 - 42 - 16  		5	16	spring	flat	963-0E73
		12	16	spring	flat	963-0358
		17	16	spring	flat	963-0375
		28	16	spring	flat	963-0E75
		35	16	spring	flat	963-0X33
		45	16	spring	flat	963-0X31
		Damping characteristics → see pages 6-7				
SG 8 - 42 - 16 with rubber tip  		5	16	spring	flat	963-0S25
		12	16	spring	flat	963-0S55
		17	16	spring	flat	963-0Y87
		28	16	spring	flat	963-0H56
		35	16	spring	flat	963-0B65
		45	16	spring	flat	963-0X20
		Damping characteristics → see pages 6-7				
		Dampers with rubber tips should be used if object of damping comes in direct contact with the damper. The tip softens the impact.				
SG 8 - 42 - 16 with rubber tip adjustable  		5	16	spring	flat	963-0F07
		12	16	spring	flat	963-0G12
		17	16	spring	flat	963-0F20
		28	16	spring	flat	963-0F21
		35	16	spring	flat	963-0X37
		45	16	spring	flat	963-0X26
		60	16	spring	flat	963-0X73
		Damping characteristics → see pages 6-7				
		Dampers with rubber tips should be used if object of damping comes in direct contact with the damper. The tip softens the impact.				

S Series

For extended temperature range

- Series of short stroke dampers for various application in areas with bigger temperature fluctuations and areas where higher damping force is required
- Applications: kitchen ovens, refrigerators, heavier furniture doors or lids, toilet seats
- Damping force, stroke and damping characteristics can be tuned to customer requirements

i Dampers can be altered for cold environment applications down to -30°C (-22°F)

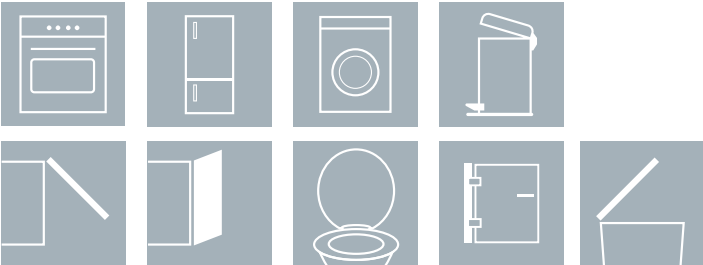

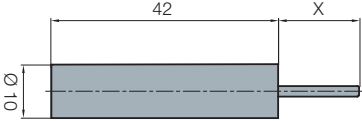

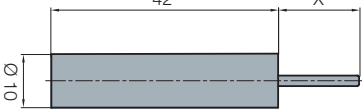
<div>  </div>					
Technical details					
SP 10 - 42 - 15 <div>   <p>x = rod length depending on stroke, the rod length can be: 10, 12, 16 or 18mm</p> </div>	Damping force at v=740mm/min (N)	Working stroke (mm)	Piston rod return	Damping characteristics	Item number
	60	15	spring	flat	960-0N59
	100	15	spring	flat	960-0H45
	120	10	spring	flat	960-0Y60
	120	15	spring	flat	960-0H11
	150	10	spring	flat	960-0Y90
	150	12	spring	flat	960-0219
	150	15	spring	flat	960-0N88
	200	12	spring	flat	960-0E98
	200	15	spring	flat	960-0N92
	220	15	spring	flat	960-0K50
	220	18	spring	flat	960-0K83
	240	12	spring	flat	960-0K36
	240	15	spring	flat	960-0N29
	280	12	spring	flat	960-0X98
	280	15	spring	flat	960-0N28
	315	15	spring	flat	960-0M86
	350	10	spring	flat	960-0L31
	350	12	spring	flat	960-0D16
	350	15	spring	flat	960-0M97
	400	15	spring	flat	960-0L34
	Damping characteristics → see page 6-7				
	Working stroke 10, 12 available upon request				

S Series

For extended temperature range

- Series of short stroke dampers for various application in areas with bigger temperature fluctuations and areas where higher damping force is required
- Applications: kitchen ovens, refrigerators, heavier furniture doors or lids, toilet seats
- Damping force, stroke and damping characteristics can be tuned to customer requirements

i Dampers can be altered for cold environment applications down to -30°C (-22°F)

<div>  </div> <div>Technical details</div>		Damping force at v=740mm/min (N)	Working stroke (mm)	Piston rod return	Damping characteristics	Item number
<div>SP 10 - 42 - 15</div> <div>   </div>		240	15	spring	ramp	960-0D21
		350	15	spring	ramp	960-0D23
		Damping characteristics → see page 6-7 Working stroke 10, 12, 16 available upon request				
<div>SP 10 - 42 - 15</div> <div>   </div>		170-270	10	spring	MultiStage	960-0R84
		210-330	10	spring	MultiStage	960-0R83
		250-440	10	spring	MultiStage	960-0H72
		280-550	10	spring	MultiStage	960-0H05
		Damping characteristics → see page 6-7 Working stroke 10, 12, 16 available upon request				

S Series Evolut

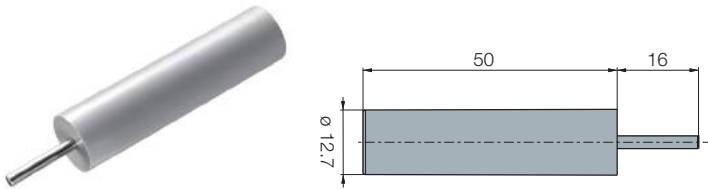
For extended temperature range

- Series of strong short dampers for various application in areas with bigger temperature fluctuations and areas where higher damping force is required
- Applications: ovens and other household appliances, furniture doors, various lids, swimming pool fences, toilet seats, interior doors
- Damping force, stroke and damping characteristics can be tuned to customer requirements



Technical details

ST 13 - 50 - 14



Damping force at v=740mm/min (N)	Working stroke (mm)	Piston rod return	Damping characteristics	Item number
400	14	spring	flat	959-0R74
500	14	spring	flat	959-0R75
600	14	spring	flat	959-0R76
700	14	spring	flat	959-0R77
800	14	spring	flat	959-0R78
900	14	spring	flat	959-0R79
1000	14	spring	flat	959-0R80


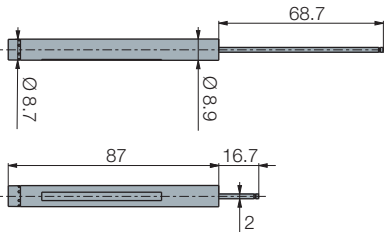

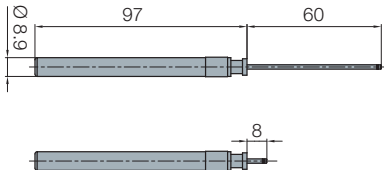

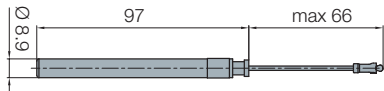
Damping characteristics → see pages 6-7

L Series

For standard temperature range

- Series of long stroke dampers for application in systems with heavier weights and faster initial speeds
- Applications: sliding doors, interior doors, drawers, shower doors, pocket doors, automotive
- Damping force, stroke and damping action can be tuned to customer requirements

i Dampers can be altered for cold environment applications down to -30°C (-22°F)

<div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div> <div>Technical details</div>		Damping force at v=1000mm/min (N)	Working stroke (mm)	Piston rod return	Damping characteristics	Item number		
LD 9 - 88 - 50			10	50	mechanical	flat	961-0M69	
			12.5	50	mechanical	flat	961-0M70	
			15	50	mechanical	flat	961-0M71	
			17.5	50	mechanical	flat	961-0M72	
			20	50	mechanical	flat	961-0M76	
	Damping characteristics → see pages 6-7							
LA 9 - 97 - 50			3.8	50	mechanical	flat	961-0M67	
			4.2	50	mechanical	flat	961-0V32	
			7	50	mechanical	flat	961-0X53	
	Damping characteristics → see pages 6-7							
LA 9 - 97 - 50 with connection			With Connection C	4.2	50	mechanical	flat	961-0V36
			With Connection C	4.2	50	mechanical	release	961-0359
Damping characteristics → see pages 6-7								
Connectors → see page 20								

L Series

For standard temperature range

- Series of long stroke dampers for application in systems with heavier weights and faster initial speeds
- Applications: drawer systems, undermounted runners, ball bearing slides
- Damping force, stroke and damping action can be tuned to customer requirements

i

Dampers can be tuned with ART function

Technical details		Damping force at v=1000mm/min (N)	Working stroke (mm)	Piston rod return	Damping characteristics	Item number
LF 8 - 80 - 45 		3.8	45	mechanical	flat	961-0H19
		4.2	45	mechanical	flat	961-0W80
Damping characteristics → see pages 6-7						
LF 8 - 80 - 35 		5	35	spring	release	961-0G11
		5	35	spring	flat	961-0G65
		6.5	35	spring	release	961-0G65
		9	35	spring	release	961-0G09
Damping characteristics → see pages 6-7						
LF 8 - 80 - 35 with connection 		5	35	spring	release	961-0G03
		5	35	spring	flat	961-0G15
Damping characteristics → see pages 6-7						
Connectors → see page 20						

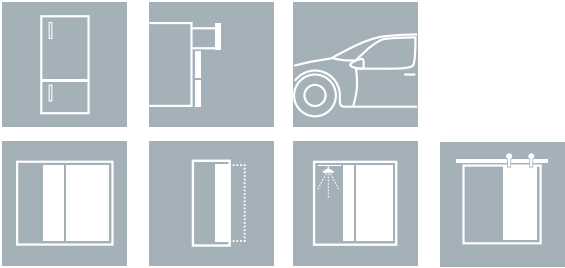
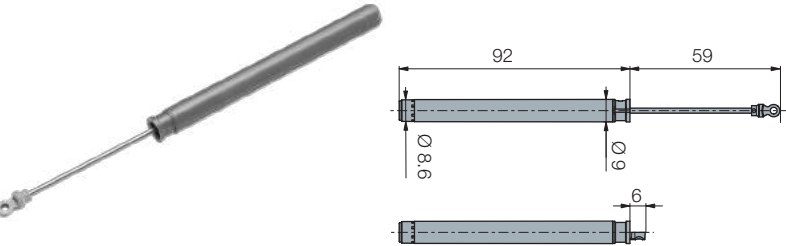
L Series

For standard or extended temperature range

- Series of long stroke dampers for application in systems with heavier weights and faster initial speeds
- Applications: refrigerators, drawer systems, undermounted runners, ball bearing slides, sliding doors, interior doors, shower doors, pocket doors, automotive
- Damping force, stroke and damping action can be tuned to customer requirements

i

Dampers can be altered for cold environment applications down to -30°C (-22°F)

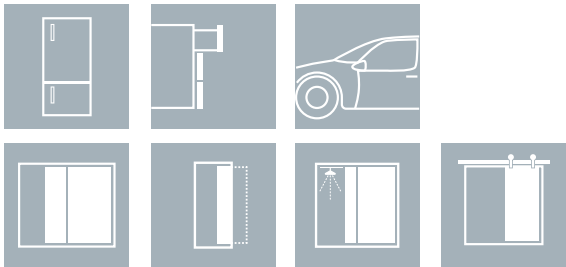
<div> <div>  </div> <div> Technical details </div> </div>					
<div> <div>LK 9 - 92 - 53 with connection</div> <div>  </div> </div>	Damping force at v=1000mm/min (N)	Working stroke (mm)	Piston rod return	Damping characteristics	Item number
	2	53	mechanical	flat	965-9901
	2.5	53	mechanical	flat	965-9902
	3.5	53	mechanical	flat	965-9903
	4.2	53	mechanical	flat	965-9904
	5	53	mechanical	flat	965-9905
	7.5	53	mechanical	flat	965-9907
	10	53	mechanical	flat	965-9910
	12.5	53	mechanical	flat	965-9912
	15	53	mechanical	flat	965-9915
	17.5	53	mechanical	flat	965-9917
	20	53	mechanical	flat	965-9920
	22.5	53	mechanical	flat	965-9922
	Damping characteristics → see pages 6-7 Progressive, reverse, release available upon request Connectors → see page 20				

L Series

For standard temperature range

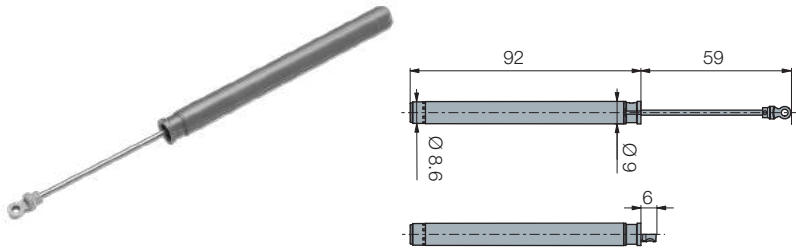
- Series of long stroke dampers for application in systems with heavier weights and faster initial speeds
- Applications: refrigerators, drawer systems, undermounted runners, ball bearing slides, sliding doors, interior doors, shower doors, pocket doors, automotive
- Damping force, stroke and damping action can be tuned to customer requirements

i Dampers can be tuned with ART function



Technical details

LK 9 - 92 - 53
with connection



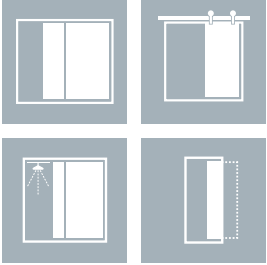
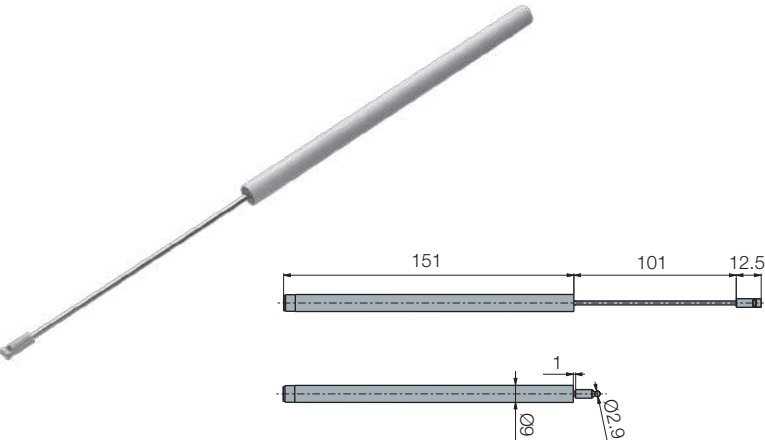
Damping force at v=1000mm/min (N)	Working stroke (mm)	Piston rod return	Damping characteristics	Item number
2.5	53	mechanical	flat	965-9F02
3.5	53	mechanical	flat	965-9F03
4.2	53	mechanical	flat	965-9F04
5	53	mechanical	flat	965-9F05
7.5	53	mechanical	flat	965-9F07
10	53	mechanical	flat	965-9F10
12.5	53	mechanical	flat	965-9F12
15	53	mechanical	flat	965-9F15
17.5	53	mechanical	flat	965-9F17
20	53	mechanical	flat	965-9F20
22.5	53	mechanical	flat	965-9F22
Damping characteristics → see pages 6-7				
Progressive, reverse, release available upon request				
Connectors → see page 20				

L Series Evolut

For standard temperature range

- Series of long stroke dampers for application in systems with weights up to 150kg and faster initial speeds
- Applications: sliding doors, interior doors, shower doors, pocket doors
- Damping force, stroke and damping action can be tuned to customer requirements
- Integrated damper with ART function enables lower door opening force and a smoother, progressive and reliable door closing.

i Dampers can be tuned with ART function

						
Technical details		Damping force at v=1000mm/min (N)	Working stroke (mm)	Piston rod return	Response to speed	Damping characteristics
<div>LG 9 - 151 - 100 with connection</div> 		7.5	100	mechanical	ART	flat
		10	100	mechanical	ART	flat
		12.5	100	mechanical	ART	flat
		15	100	mechanical	ART	flat
		17.5	100	mechanical	ART	flat
		7.5	100	mechanical		flat
		10	100	mechanical		flat
		12.5	100	mechanical		flat
		15	100	mechanical		flat
		17.5	100	mechanical		flat
		Damping characteristics → see pages 6-7				
		Progressive, reverse, release available upon request				
		Connectors → see page 21				
		Item number				
		962-9964				
		962-9965				
		962-9966				
		962-9967				
		962-9968				
		962-9950				
		962-9951				
		962-9952				
		962-9953				
		962-9954				

Connectors

For all L dampers
with grooved piston rod

Technical details		Item number
B connector  		961-4941
C connector  		961-4048
CS connector  		961-4501
K connector  		965-4686
P connector  		961-4488
2K connector  		961-4562

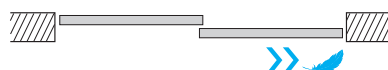
Soft Closing Systems for Sliding Doors and Drawers

Slidix Soft Closing Systems



Titus Damper Inside

- A fully programmable/controllable damping curve
- Precise definition of forces over the whole damping action
- Easy to fine tune performance to specific application



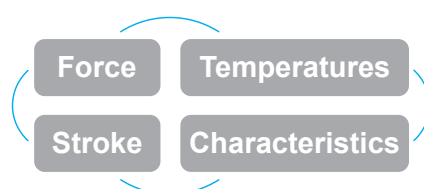
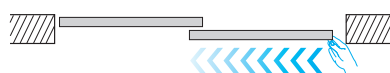
Fully controllable damping path

- Smooth and even soft closing on various dimensions and weights
- Reliable damping at any closing speed
- Silent closing without a rebound



Consistent performance

- Reliable closing of doors from 15 to 120 kg at any closing speed
- The door will close even at minimum speed



Comfortable door opening

- Low pull-open force
- Effortless opening

Wide range of customization options

- Easy to fine-tune to specific application
- Several options of damper forces, spring forces and damper characteristics

Compact size

- Low spacial and protrusion impact on the application
- Fits numerous application options
- Manufacturer needs less adaptation to fit mechanism to its door situation

Slidix System

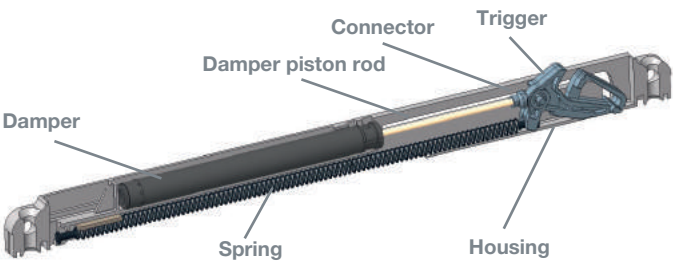
Information

Overview

Functional principles

Damping mechanism works in conjunction with activator; mounting of each on moving or fixed object of application depends on the application specifics.

Activator catches the trigger - pushes the piston rod to activate damping function.



Technical details

Temperature range	-30°C to 70°C
Stroke length	50mm or 100mm
Load capacity	15kg to 120kg
Damper force	2.5N to 22.5N
Spring force	4.3N to 17N
Damping characteristics	flat, progressive, MultiStage, with final release

Direction of movement

Depending on the application the user can choose from various options of movement: from outside-in, inside-out or both directions.

A position of trigger on Slidix defines the direction of movement. Pictures below show trigger in released position.

Inside-out

Slidix TB
Slidix TC
Slidix TE



Trigger is positioned on the inside of Slidix mechanism for damping towards end of the mechanism.

Outside-in

Slidix II
Slidix TA
Slidix TF



Trigger is positioned on the outside of Slidix mechanism for damping towards inside of the mechanism.

In both directions

Slidix Centro

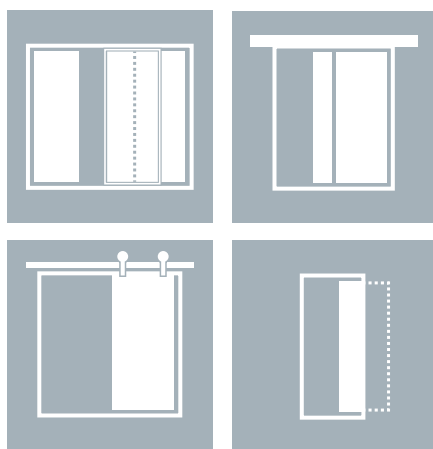


Slidix Centro has double trigger centered in the middle to enable damping from left/right towards centre.

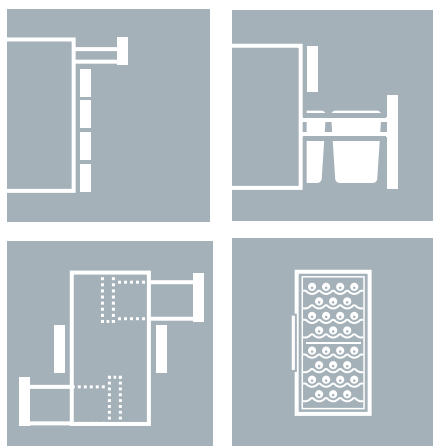
Overview

Areas of application

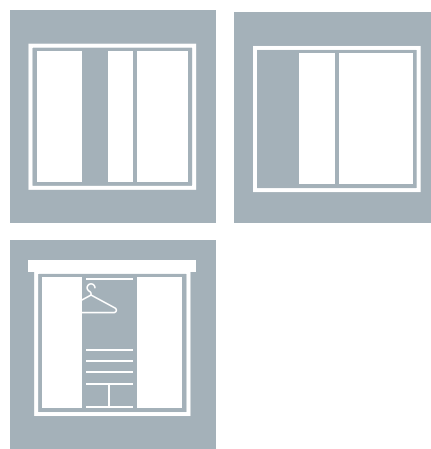
Architectural doors: interior wall partitions, and sliding doors, pocket doors, barn doors



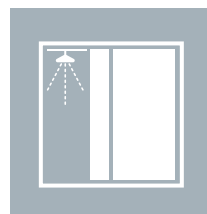
Drawers and pull-out systems



Wardrobes and walk-in closets



Shower doors

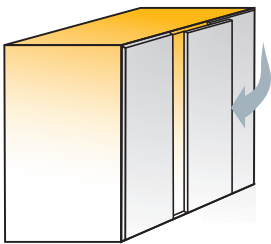


Operating scope

Slidix	Direction of movement	Damping stroke	Load capacity
Slidix Centro	Outside-in (in both directions)	50mm in 2 directions	15kg to 40kg
Slidix II	Outside-in	50mm	15kg to 80kg
Slidix TA	Outside-in	100mm	40kg to 120kg
Slidix TB	Inside-out	100mm	40kg to 80kg
Slidix TC	Inside-out	50mm	15kg to 60kg
Slidix TE	Inside-out	50mm	15kg to 60kg
Slidix TF	Outside-in (in both directions)	100mm in 2 directions	40kg to 120kg

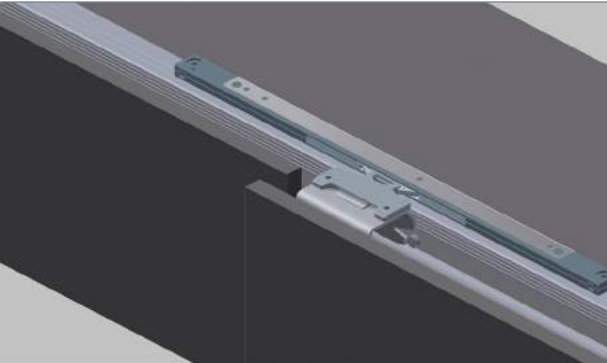
Slidix Centro

For middle sliding door damping and centering

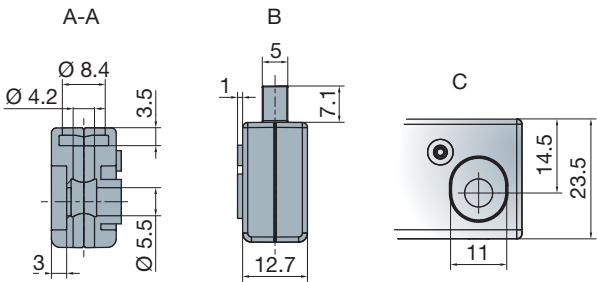
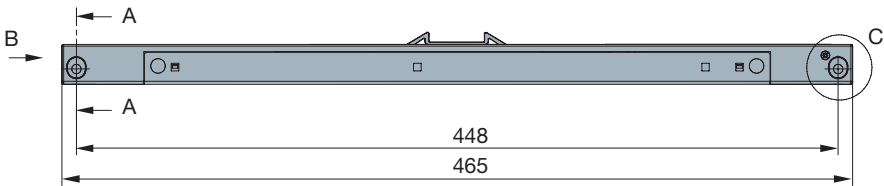


- Movement type
- Stroke length in mm
- Damper type

In both directions
50 left + 50 right
Hydraulic



Slidix Centro



20 Pcs

Made of plastic, steel cover

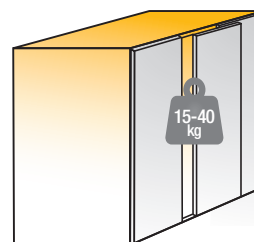
Activators



Activator TSC Plus
→ see page 42

- Consistent and reliable soft closing of middle cabinet door
- Optimal middle door centering assures confident door alignment
- Damping of middle door in both directions with one additional Slidix mechanism
- Titus hydraulic dampers ensure smooth and even soft closing action in both directions

Load capacity



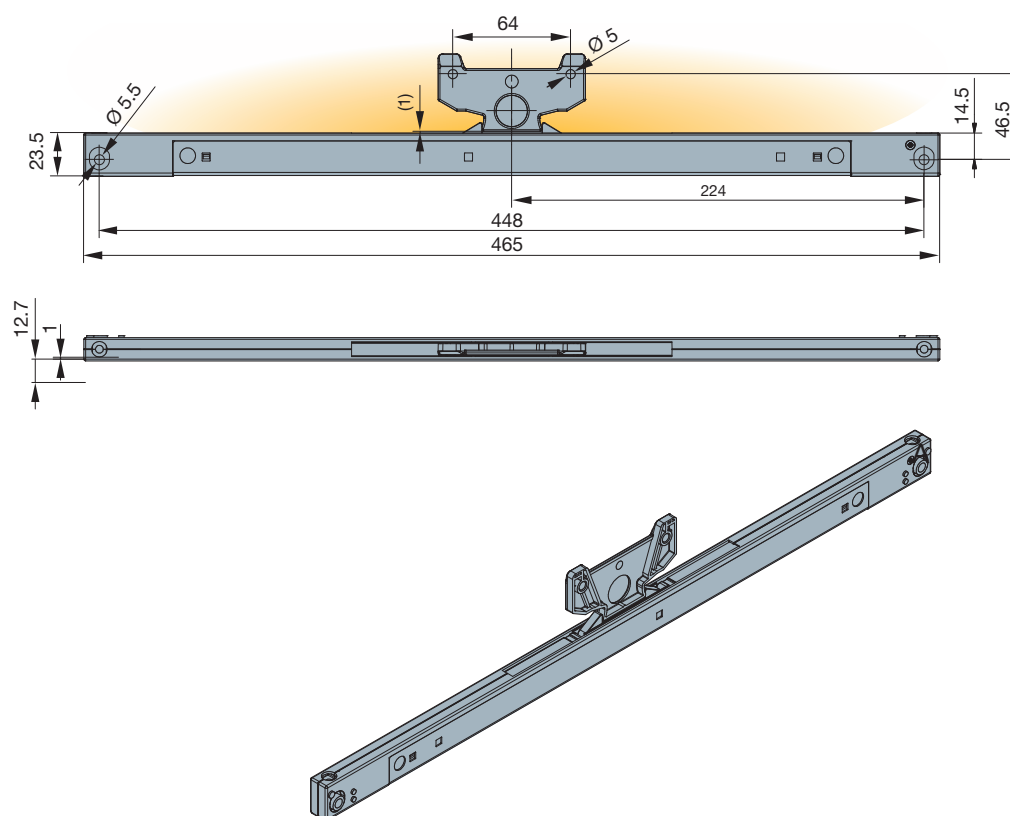
Works in range from 15-40 kg per door



Works only with activator TSC Plus
 → see page 42

Application details

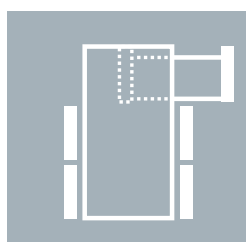
Drawing shows the needed mounting distance between Slidix mechanism and activator TSC Plus.



Applications



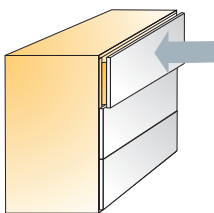
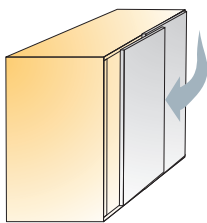
3-door sliding door cabinet



two way runners

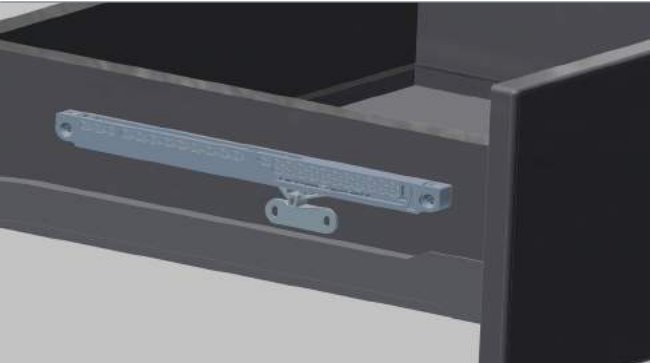
Slidix II

For drawers and sliding doors



- Movement type
- Stroke length in mm
- Damper type

Outside-in
50
Hydraulic



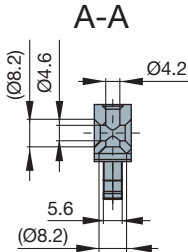
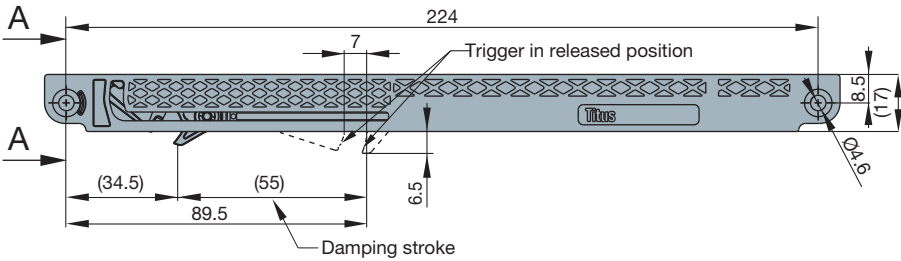
Slidix II

Technical details

Door weight (kg)

Spring force (N)

Item number



100 Pcs

Made of plastic

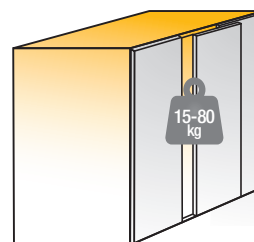
Activators



Slidix activators
→ see pages 42 and 43

- Smooth and reliable closing
- Compatible with most of the drawer slides and sliding door applications
- Titus hydraulic dampers ensure smooth and even soft closing action

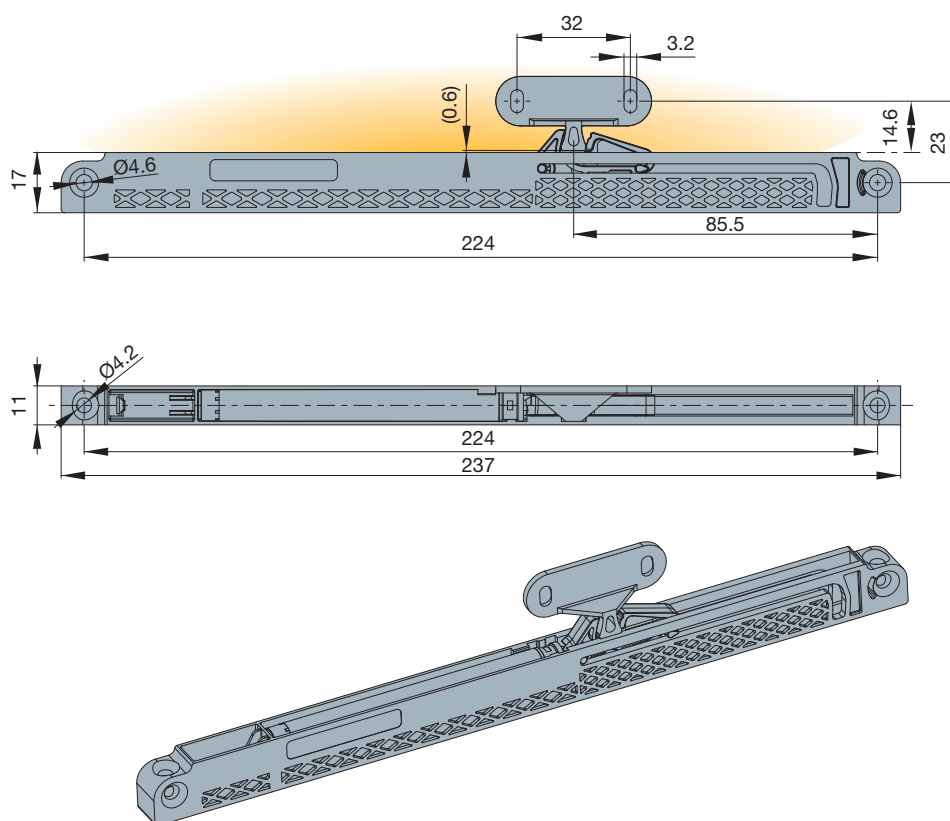
Load capacity



Works in range from 15-80 kg per door

Application details

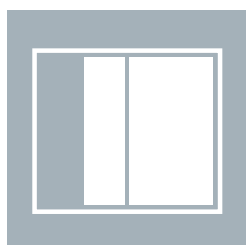
Drawing shows the needed distance in mounting between Slidix mechanism and activator SP14. Other activators available, trial mounting is recommended.



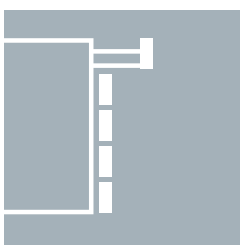
Applications



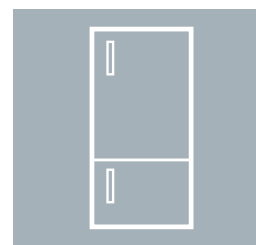
Interior sliding doors



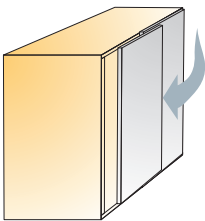
wardrobes



drawers



refrigerators

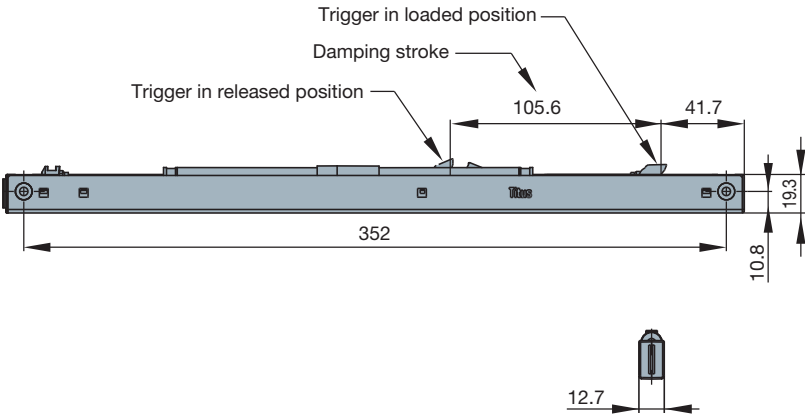


- Movement type
 - Stroke length in mm
 - Damper type
- Outside-in
100
Hydraulic



Slidix TA

Technical details



Door weight (kg)	Spring force (N)	Item number
40	10	975-9436-040
60	13	975-9437-040
60	17	975-9439-040
80	13	975-9440-040
80	17	975-9441-040
100	17	975-9442-040
120	17	975-9443-040



100 Pcs

Made of plastic, steel cover

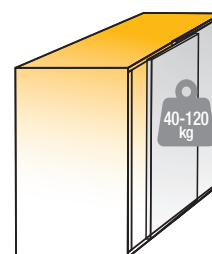
Activators



Slidix activators
→ see pages 42 and 43

- Consistent and reliable soft closing of sliding doors with heavier weight
- Reinforced with a metal housing for secure performance on any door material, including glass
- Titus hydraulic dampers ensure smooth and even soft closing action

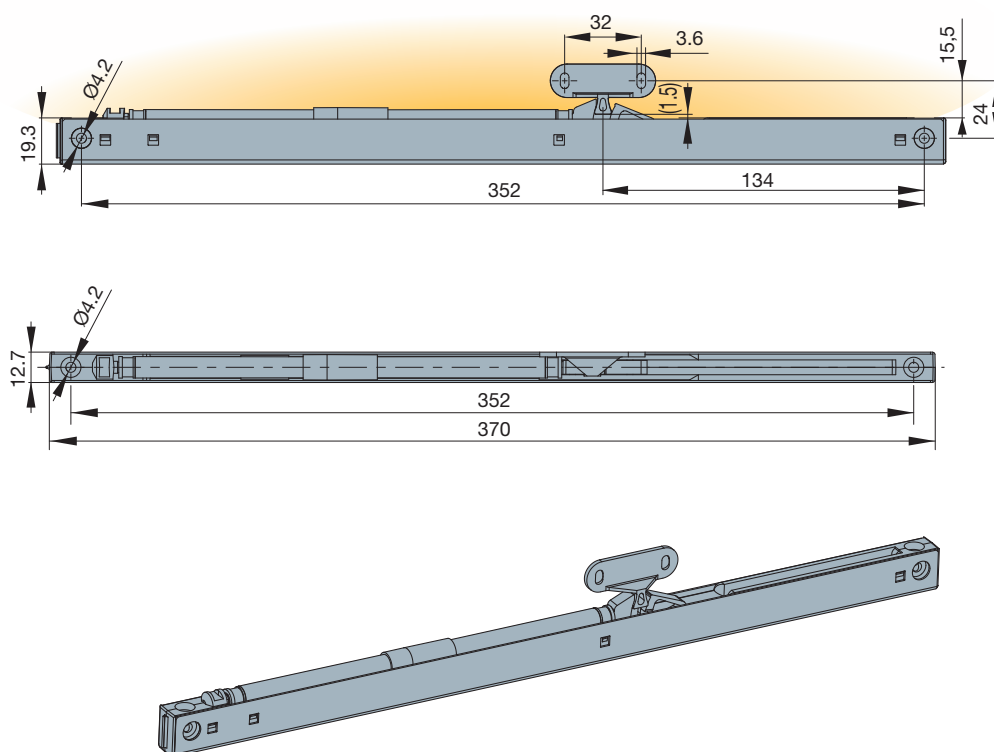
Capacity



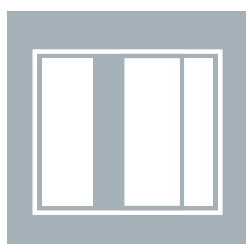
Works in range from 40-120 kg

Application details

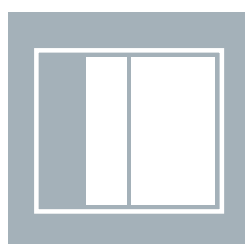
Drawing shows the needed distance in mounting between Slidix mechanism and activator SP14. Other activators available, trial mounting is recommended.



Applications



interior sliding doors



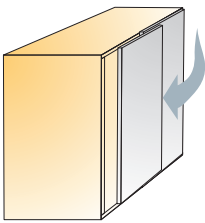
wardrobes



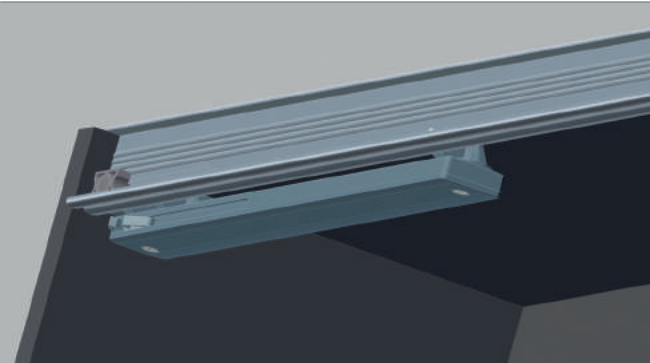
room dividers

Slidix TB

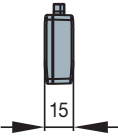
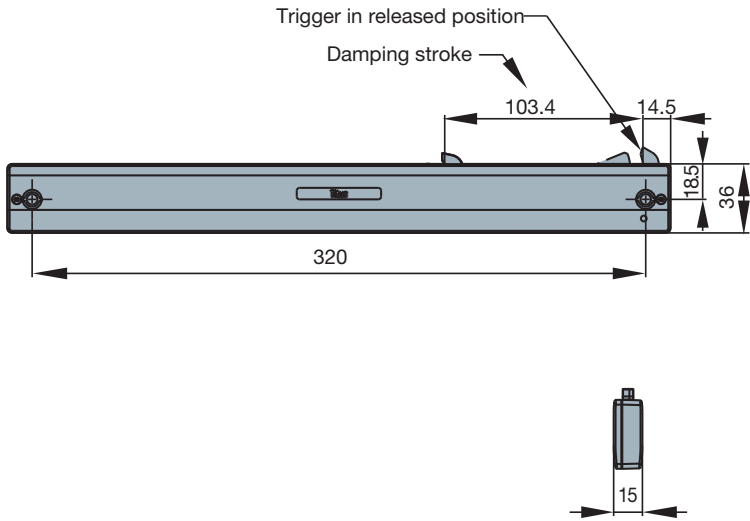
For wardrobes with sliding doors



- Movement type Inside-out
- Stroke length in mm 100
- Damper type Hydraulic



Slidix TB



 100 Pcs Made of plastic

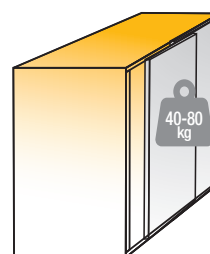
Activators



Slidix activators
→ see pages 42 and 43

- Consistent and reliable damping of heavier doors
- For soft closing of wardrobes with 2 doors, can be added to top running sliding door systems
- Titus hydraulic dampers ensure smooth and even soft closing action

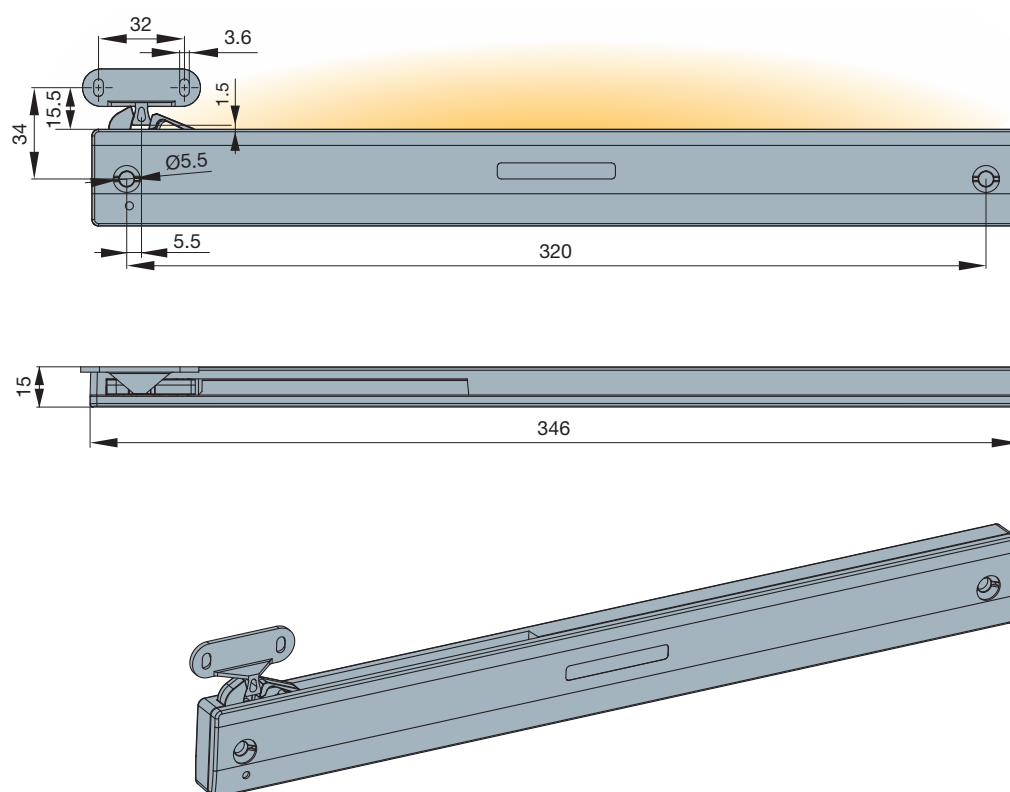
Capacity



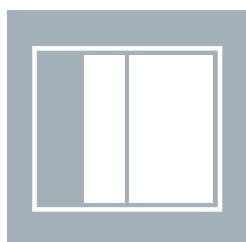
Works in range from 40-80 kg

Application details

Drawing shows the needed distance in mounting between Slidix mechanism and activator SP14. Other activators available, trial mounting is recommended.



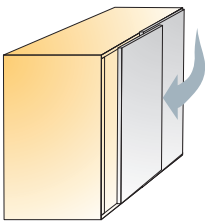
Applications



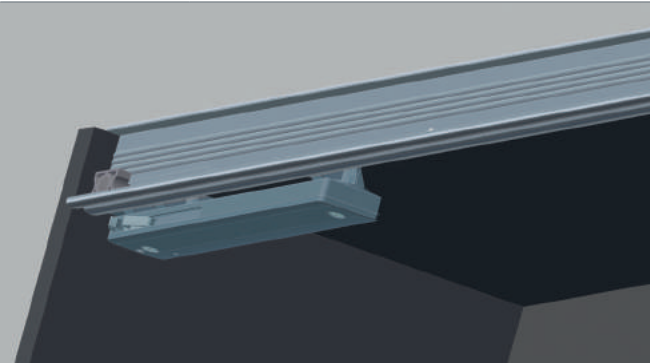
wardrobes

Slidix TC

For wardrobes with sliding doors



- Movement type Inside-out
- Stroke length in mm 50
- Damper type Hydraulic



Slidix TC



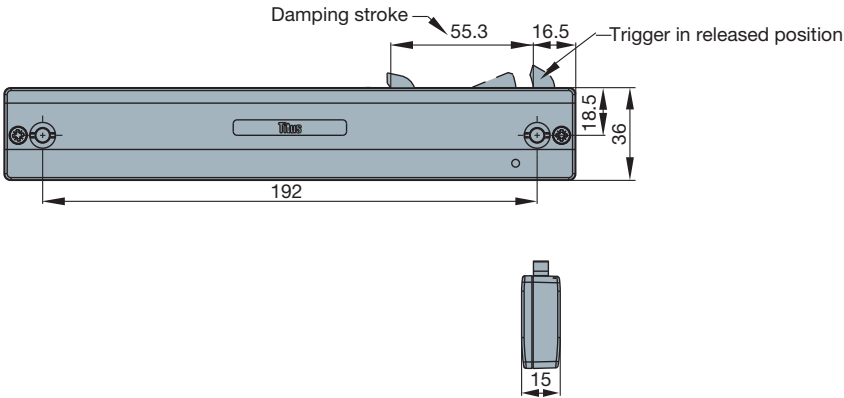
Technical details

Door weight (kg)

Spring force (N)

Item number

15	4.3	975-9333-380
25	7.5	975-9341-380
40	10	975-9342-380
40	17.4	975-9346-380
60	13	975-9347-380



100 Pcs

Made of plastic

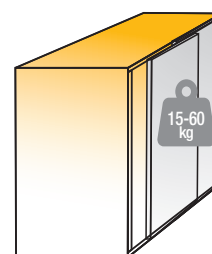
Activators



Slidix activators
→ see pages 42 and 43

- Consistent and reliable soft closing of sliding doors with lighter weight
- For soft closing of smaller and lower wardrobes with lighter doors, can be added to top running sliding door systems
- Titus hydraulic dampers ensure smooth and even soft closing action

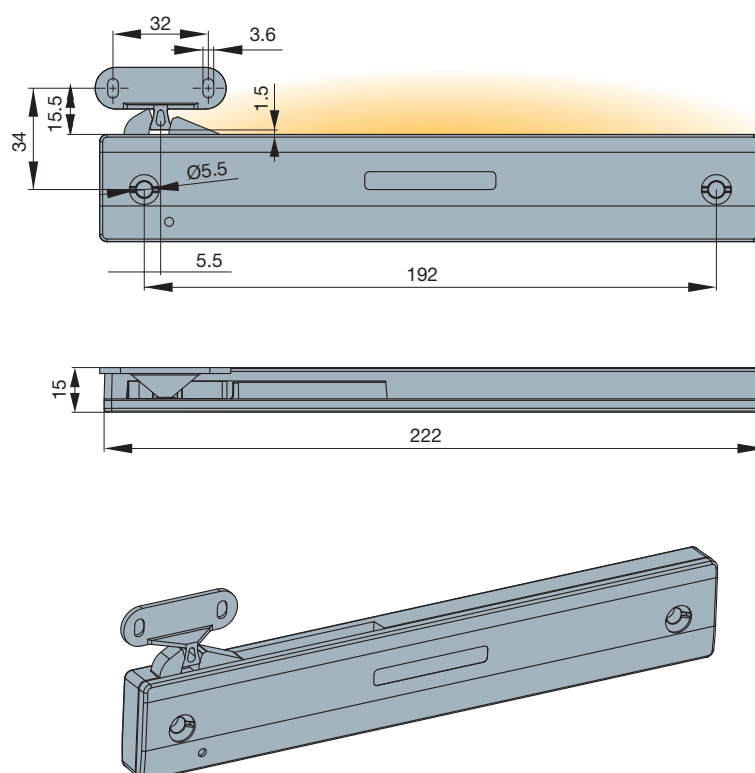
Capacity



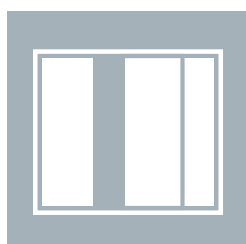
Works in range from 15-60 kg

Application details

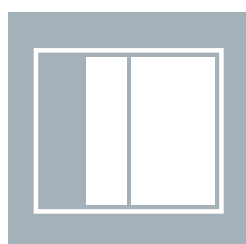
Drawing shows the needed distance in mounting between Slidix mechanism and activator SP14. Other activators available, trial mounting is recommended.



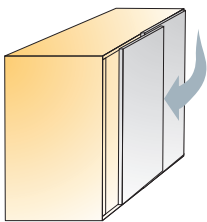
Applications



interior sliding doors



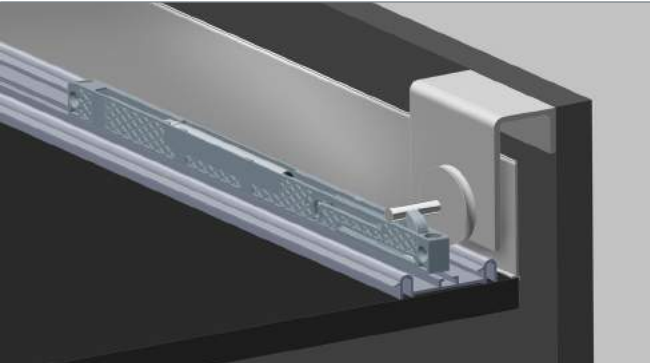
wardrobes



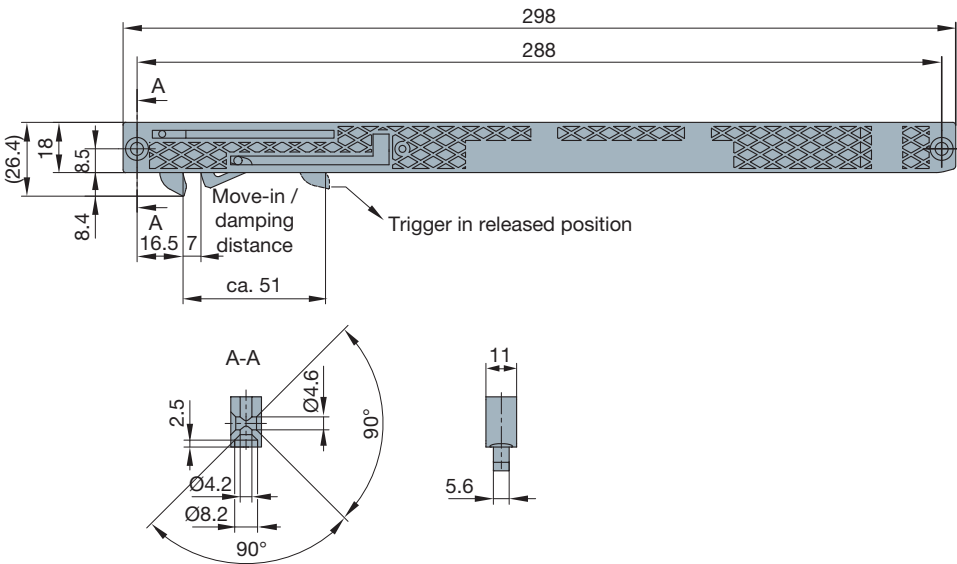
- Movement type
 - Stroke length in mm
 - Damper type
- Inside-out

50

Hydraulic



Slidix TE



Technical details

Door weight (kg)

Spring force (N)

Item number

15	4.3	975-9315-380
15	10	975-9264-380
25	4.3	975-9316-380
25	7.5	975-9317-380
25	10	975-9280-380
40	4.3	975-9319-380
40	7.5	975-9320-380
40	10	975-9321-380
60	10	975-9325-380
60	13	975-9483-380
80	10	975-9095-380



100 Pcs

Made of plastic

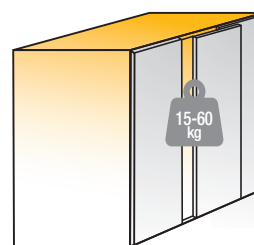
Activators



Slidix activators
→ see pages 42 and 43

- Smooth and reliable soft closing of various sliding doors, including shower cabins and other glass sliding doors
- Titus hydraulic dampers ensure smooth and even soft closing action

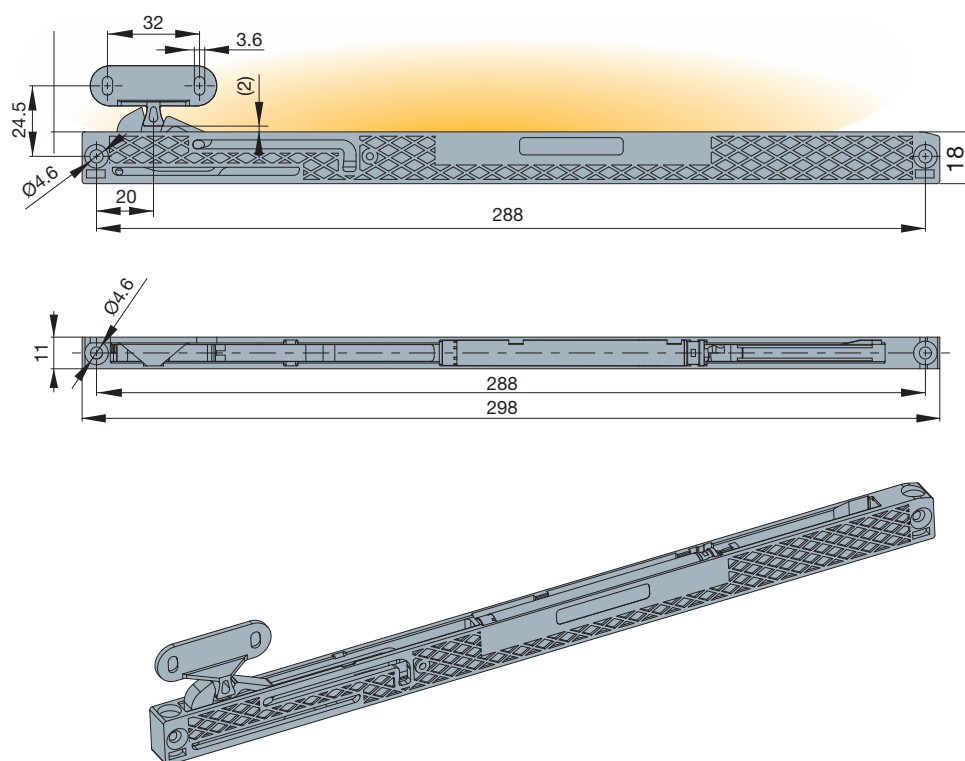
Capacity



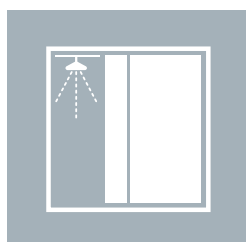
Works in range from 15-60 kg

Application details

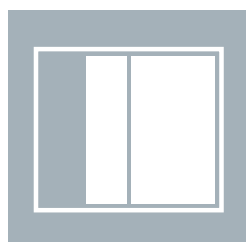
Drawing shows the needed distance in mounting between Slidix mechanism and activator SP14. Other activators available, trial mounting is recommended.



Applications options



shower doors



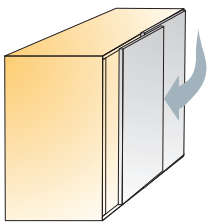
wardrobes
sliding doors



interior sliding doors



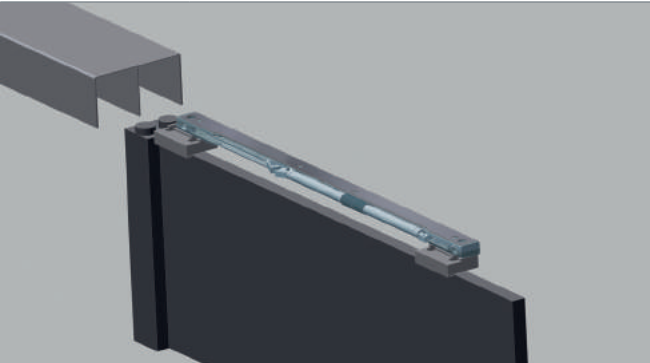
walk-in closets



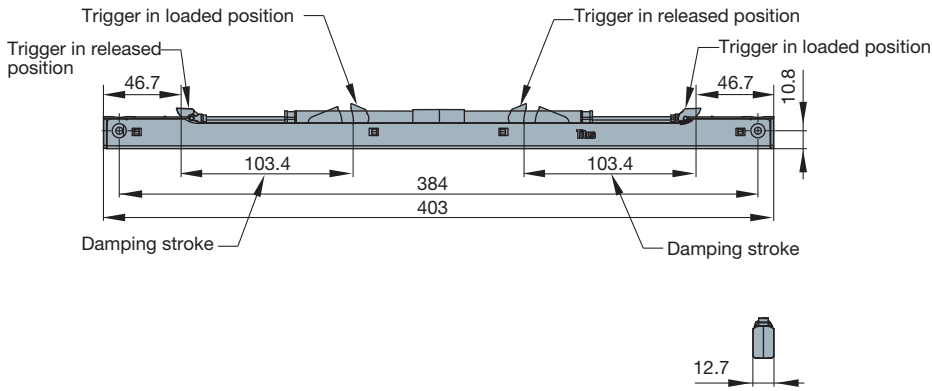
- Movement type

· Stroke length in mm

· Damper type
- Outside-in
100
Hydraulic



Slidix TF



100 Pcs

Made of plastic, steel cover

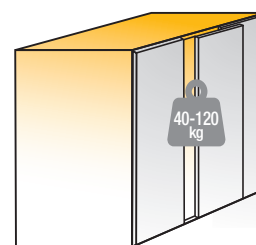
Activators



Slidix activators
→ see pages 42 and 43

- Smooth and reliable soft closing of various sliding doors
- Titus hydraulic dampers ensure smooth and even soft closing action

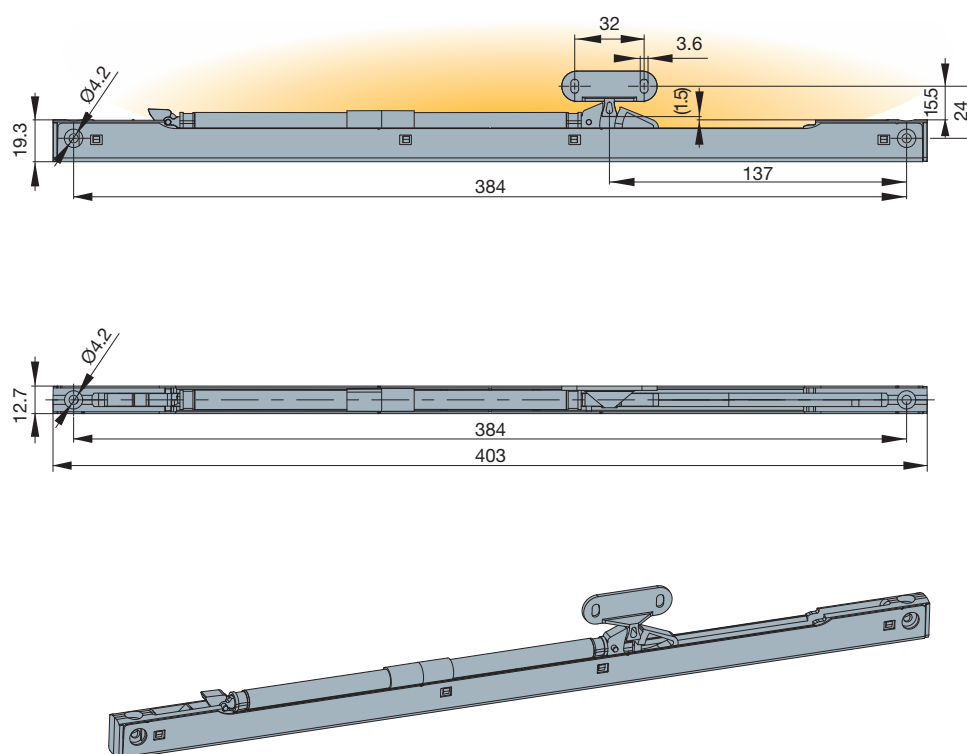
Capacity



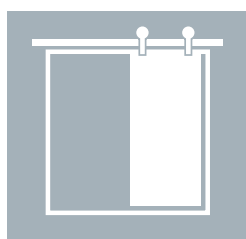
Works in range from 40kg to 120 kg

Application details

Drawing shows the needed distance in mounting between Slidix mechanism and activator SP14. Other activators available, trial mounting is recommended.



Applications options




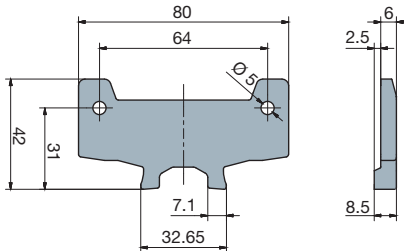


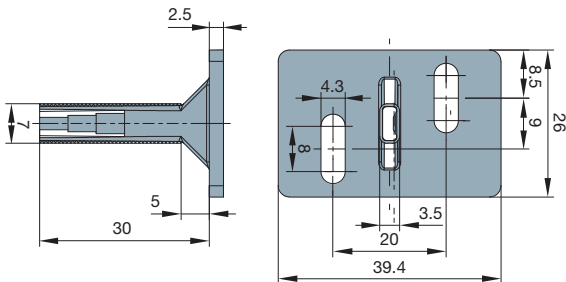


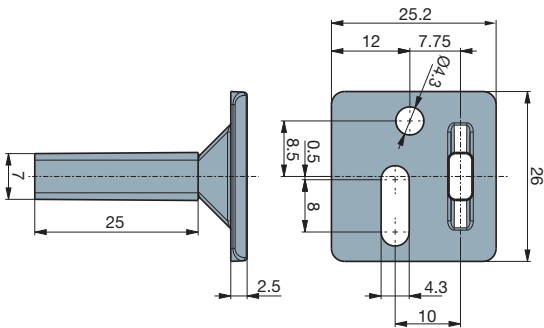

barn doors



room dividers




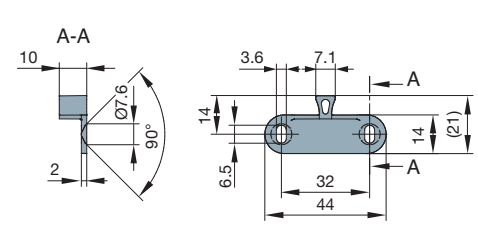


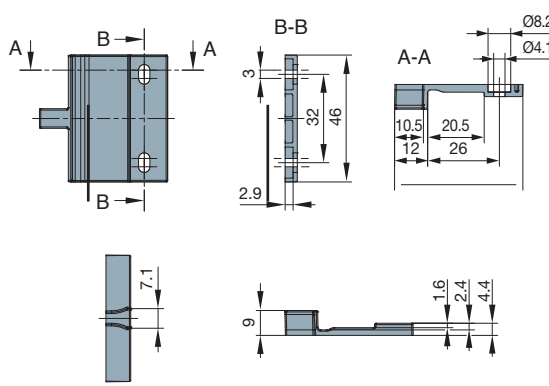


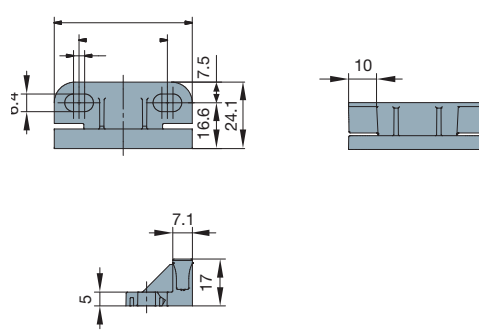

pocket doors

		Technical details	Item number	Grey	Zinc
Activator TSC Plus		For Slidix Centro, II, TA, TB, TC, TE, TF	974-4752 ➡	380	
					
 100 Pcs	Made of plastic				
Activator TX40		For Slidix II, TA, TB, TC, TE, TF	974-4757 ➡		040
					
 100 Pcs	Made of zamak				
Activator TX26			974-0180 ➡		040
					
 100 Pcs	Made of zamak				

Slidix Activators

For Slidix mechanisms

Slidix Soft Closing Systems

			White	Grey	Black
Technical details		Item number			
Activator SP14	For Slidix II, TA, TB, TC, TE, TF	974-4748 →		380	390
					
 100 Pcs	Made of plastic				
Activator SMZ	For Slidix II, TA, TB, TC, TE, TF	974-4747 →	350	380	
					
 100 Pcs	Made of plastic				
Activator TS17	For Slidix II, TA, TB, TC, TE, TF	974-4753 →			390
					
 100 Pcs	Made of plastic				

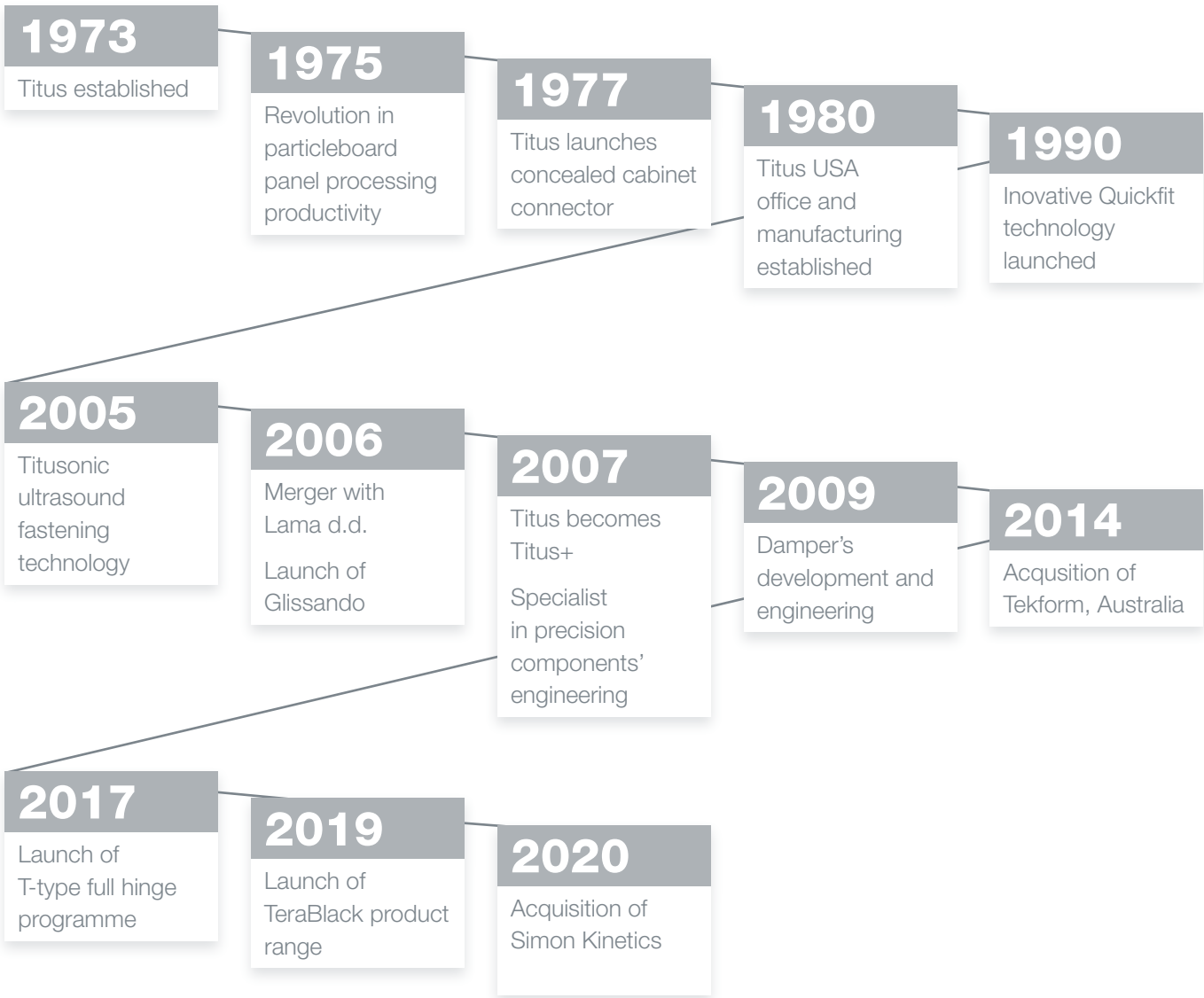
The Titus Group Profile

Titus Group

Titus focuses on the design, manufacture and distribution of connectors, concealed hinges drawers and soft closing mechanisms in furniture and household appliances.

Titus Group is owned and managed from its headquarters in United Kingdom. We are able to provide products and services to every customer around the world based on manufacturing and distribution facilities in Europe, North America, China, SE Asia, Australia and New Zealand.

Quickfit technology makes Titus the World leader in connectors for RTA



Vision

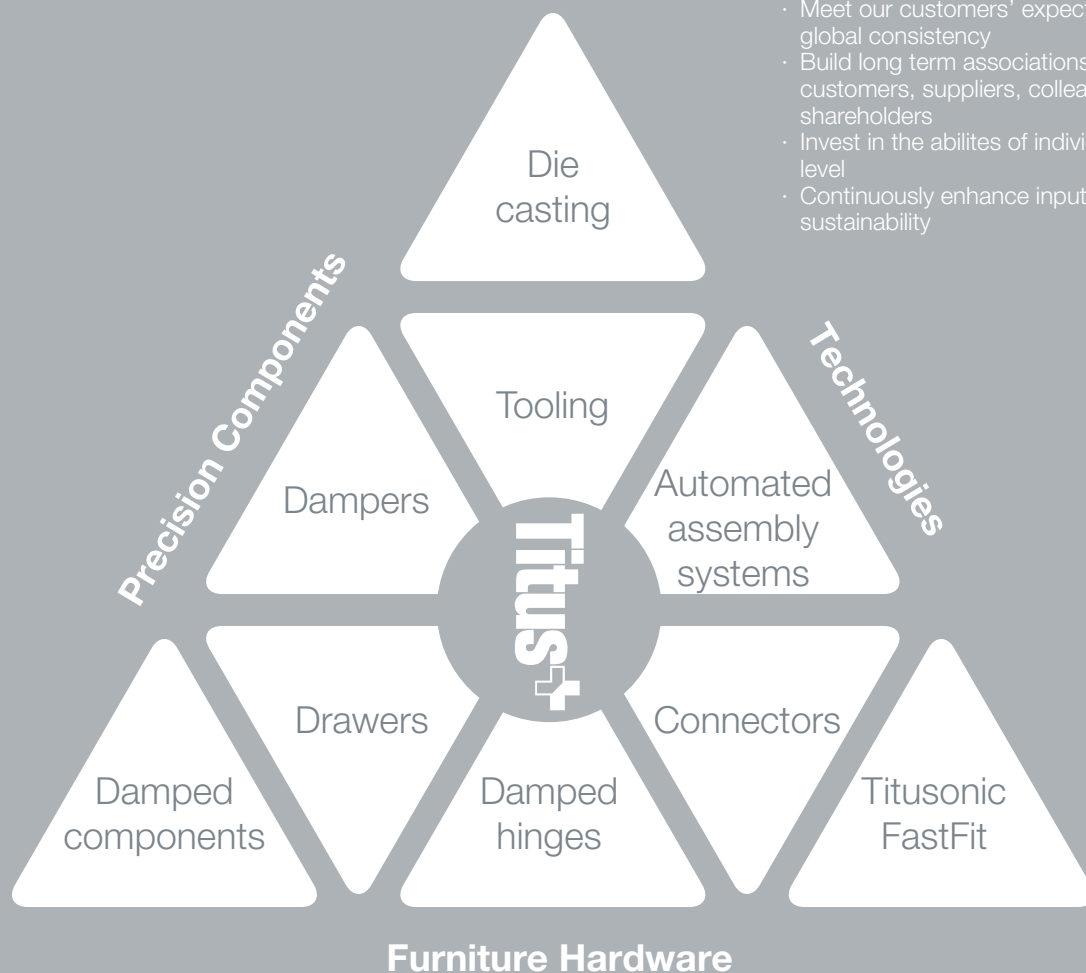
The world's best engineering for precision components

Mission

To provide manufacturers with components' solutions that improve competitiveness

Titus Business Philosophies and Principles

- Gain total knowledge of our customers and their markets
- Focus on identifying and creating high volume component niches
- Meet our customers' expectations with global consistency
- Build long term associations with customers, suppliers, colleagues and shareholders
- Invest in the abilities of individuals at every level
- Continuously enhance input efficiency and sustainability



Furniture Hardware

- Cabinet connectors
- Concealed hinges
- Soft closing systems
- Drawers and drawer systems
- Kitchen accessories
- RV hardware

Components

- Hydraulic dampers
- Precision components
- Precision die castings
- Damped mechanisms

Technologies

- Automated assembly systems
- Die casting technologies
- Tooling
- Titusonic - Ultrasound fastening
- FastFit technology

‘Totally Integrated Engineering’

Product Design

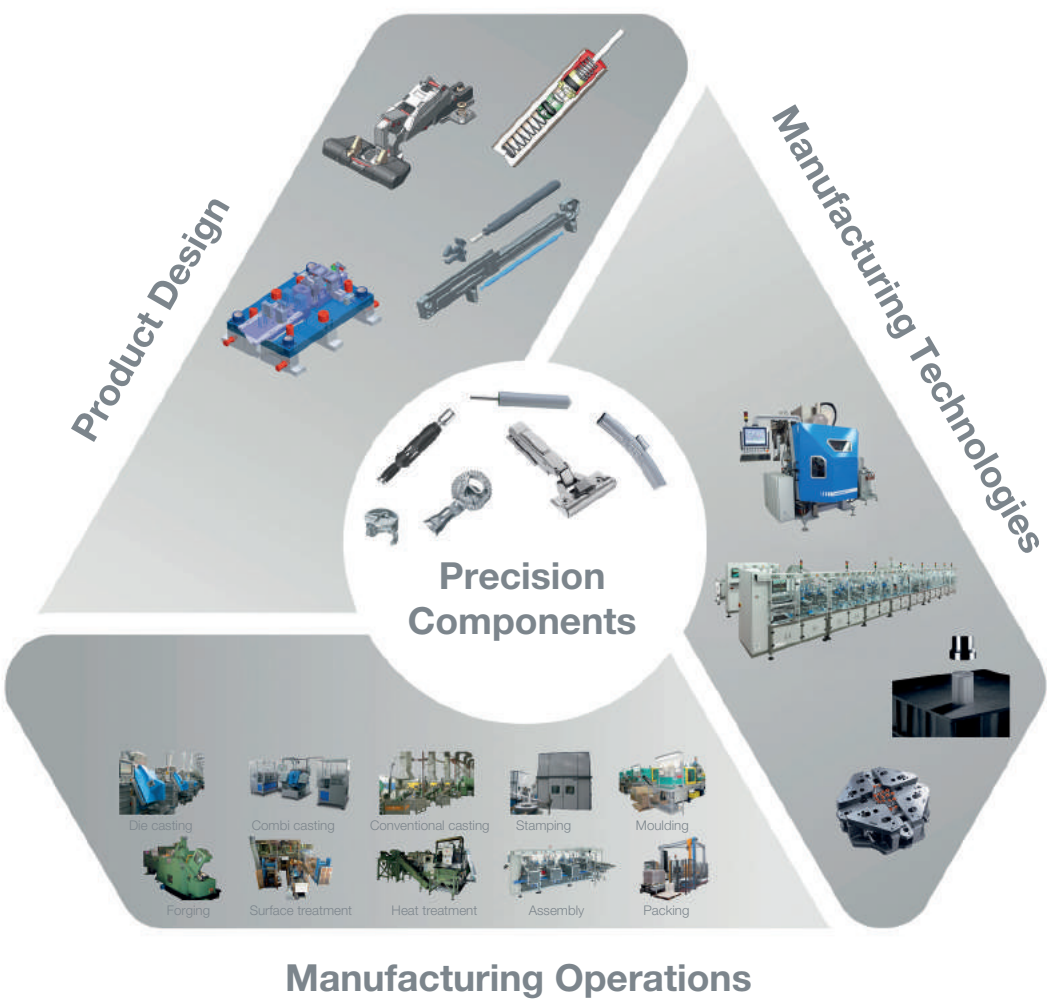
Design and engineering of unique components
Consistent and repeatable product quality

Manufacturing Technologies

To improve productivity and product quality

Manufacturing Operations

A wide array of technologies and services required for high volume production of precision components available in-house



Fittings for purpose

Unique product advantages for better value for money and lower ‘total installed cost’

Innovations that improve

With less parts, less different parts, less preparation actions, faster assembly

Fast time-to-market

Quality

Continuous Improvement

The Titus Group Mission, to improve the competitiveness of our customers, encourages us to continuously improve our products, services, processes and competencies of our employees.

Quality

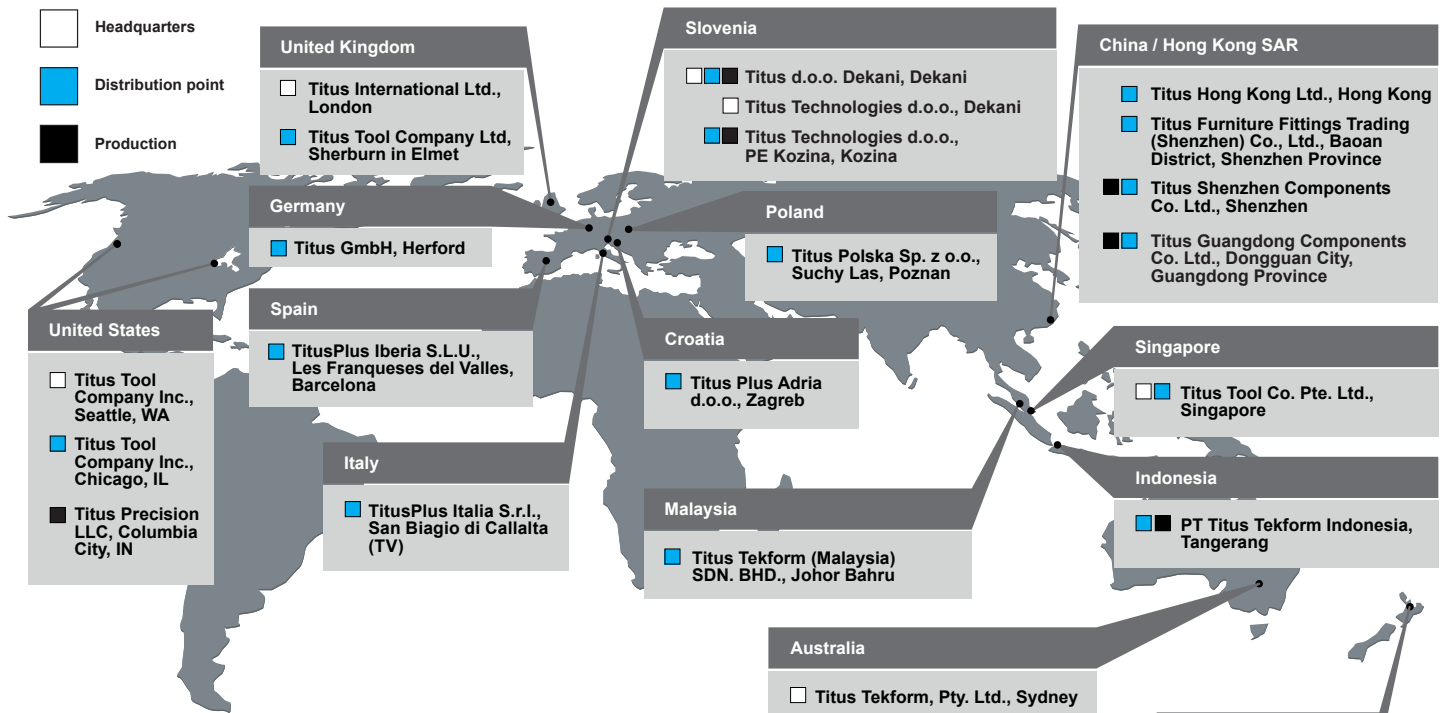
We believe that the Titus Mission is achieved most effectively through the management of our design, manufacturing and service activities in conformance with the ISO 9001 standard for quality management. Quality has a broad meaning for us: it is our guide to the selection of materials, work, processes, internal relations and cooperation with partners.

Products

Our integrated quality system produces technically optimized products of high quality. They are assessed regularly in our own test labs as well as by internationally renowned institutions, such as LGA from Germany, CTBA from France, FIRA from United Kingdom, CATAS from Italy, AIDIMA from Spain, and others.



Worldwide Design, Manufacturing and Distribution Capabilities



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Index

Item number	Page
959-0R74	15
959-0R75	15
959-0R76	15
959-0R77	15
959-0R78	15
959-0R79	15
959-0R80	15
960-0219	13
960-0D16	13
960-0D21	14
960-0D23	14
960-0E98	13
960-0H05	14
960-0H11	13
960-0H45	13
960-0H72	14
960-0K36	13
960-0K50	13
960-0K83	13
960-0L31	13
960-0L34	13
960-0M86	13
960-0M97	13
960-0N28	13
960-0N29	13
960-0N59	13
960-0N88	13
960-0N92	13
960-0R83	14
960-0R84	14
960-0X98	13
960-0Y60	13
960-0Y90	13
961-0359	16
961-0G03	17
961-0G09	17
961-0G11	17
961-0G15	17
961-0G65	17
961-0H19	17
961-0M67	16
961-0M69	16
961-0M70	16
961-0M71	16

Item number	Page
961-0M72	16
961-0M76	16
961-0V32	16
961-0V36	16
961-0W80	17
961-0X53	16
961-4048	21
961-4488	21
961-4501	21
961-4562	21
961-4941	21
962-9950	20
962-9951	20
962-9952	20
962-9953	20
962-9954	20
962-9964	20
962-9965	20
962-9966	20
962-9967	20
962-9968	20
963-0358	12
963-0375	12
963-0B65	12
963-0E73	12
963-0E75	12
963-0F07	12
963-0F20	12
963-0F21	12
963-0G12	12
963-0H56	12
963-0S25	12
963-0S55	12
963-0X20	12
963-0X26	12
963-0X31	12
963-0X33	12
963-0X37	12
963-0X73	12
963-0Y87	12
965-4686	21
965-9901	18
965-9902	18
965-9903	18

Item number	Page
965-9904	18
965-9905	18
965-9907	18
965-9910	18
965-9912	18
965-9915	18
965-9917	18
965-9920	18
965-9922	18
965-9F02	19
965-9F03	19
965-9F04	19
965-9F05	19
965-9F07	19
965-9F10	19
965-9F12	19
965-9F15	19
965-9F17	19
965-9F20	19
965-9F22	19
974-0180	42
974-4747	43
974-4748	43
974-4752	42
974-4753	43
974-4757	42
975-9006	30
975-9095	38
975-9216	28
975-9217	28
975-9218	28
975-9221	28
975-9264	38
975-9271	34
975-9272	34
975-9273	34
975-9280	38
975-9315	38
975-9316	38
975-9317	38
975-9319	38
975-9320	38
975-9321	38
975-9325	38

Item number	Page
975-9333	36
975-9341	36
975-9342	36
975-9346	36
975-9347	36
975-9373	40
975-9374	40
975-9375	40
975-9376	40
975-9377	40
975-9420	30
975-9421	30
975-9436	32
975-9437	32
975-9439	32
975-9440	32
975-9441	32
975-9442	32
975-9443	32
975-9456	30
975-9457	30
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975-9459	30
975-9460	30
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975-9468	30
975-9483	38
975-9492	34
975-9831	30

Notes

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