DICTATOR Solutions for Sliding Doors

Even moving small sliding doors may implicate quite a lot of requirements:

- The sliding door should close automatically (sometimes only after a certain time), but an expensive door operator is not required as the door can manually be opened without effort.
- The sliding door moves so effortlessly that a slight push by hand is sufficient to make the door slam against the door frame. This may result in accidents, increased wear and tear of the door, noise and that the door does not stay either completely opened or closed.
- The door should completely disappear in a pocket of the wall, in order to have available the full width of the passage. But this way the door handle disappears as well and the door cannot be closed.

With DICTATOR products you can solve these problems. Combined in different ways the DICTATOR products allow for individual solutions that meet manifold requirements.

The products shown in this chapter are mainly designed for sliding doors up to about 1.50 m door width. For larger sliding doors DICTATOR offers similar solutions. They can be found in the chapter Door and Gate Operators.

Products

Closing mechanisms	DICTAMAT 50 (adjustable closing speed)
	spring rope pulley (closing without speed control)
Mechanical timer	delays the beginning of the closing without current
Release buffer	pushes the completely opened door out of the wall pocket
Radial damper	controlled closing speed during the whole travel
Final dampers	damping the movement shortly before the final positions
Door checks	damping and controlled closing of the door

Damping Systems for Sliding Doors

The products for sliding doors mentioned on the previous page will be presented in detail on the following pages. Only exception are the damping solutions as they are dealt with earlier in this chapter or in the chapter Damping Engineering. Therefore, below you will find just a short overview of possible solutions and where you can find more detailed information.

There are different possibilities to slow down the movement of a sliding door. They either control the speed during the whole closing or they prevent banging in the open or closed position. Further possibilities offer the DICTATOR door checks, which also keep the door safely closed.

Radial Dampers

In case that the closing of the sliding door should be controlled **during the whole travel**, the LD 50 radial damper is the appropriate solution. The radial damper is integrated in the DICTAMAT 50 closing device, but it can also be installed separately. Information on the LD 50 and adapted accessories can be found beginning on page 02.072.00 and further details in the chapter Damping Engineering.

Final Dampers

In order to dampen the movement of sliding doors just before the **final positions** a final damper is the best solution. They are available in different sizes and types. For detailed information see the chapter Damping Engineering.

Door Checks

If the door should not only be **slowed down** but also **kept safely in the final position**, the DICTATOR door checks are the best choice. They contribute to **environmental protection** and **energy saving**. Often small sliding doors are moving that easily, that they are not slowed down in time, bang against the final position and reopen a little. Through this gap energy in form of heat or cold may get lost (e.g. with cold-stores). DICTATOR door checks not only close the door gently and smoothly, but also keep it firmly closed.

There are several models for different sizes of doors. Please see pages 02.003.00 and following. Due to its small size the JUNIOR door check is nearly invisible when being built into the door leaf. We will be happy to assist you in choosing the appropriate door check.

Closing Devices
DICTAMAT 50 Series

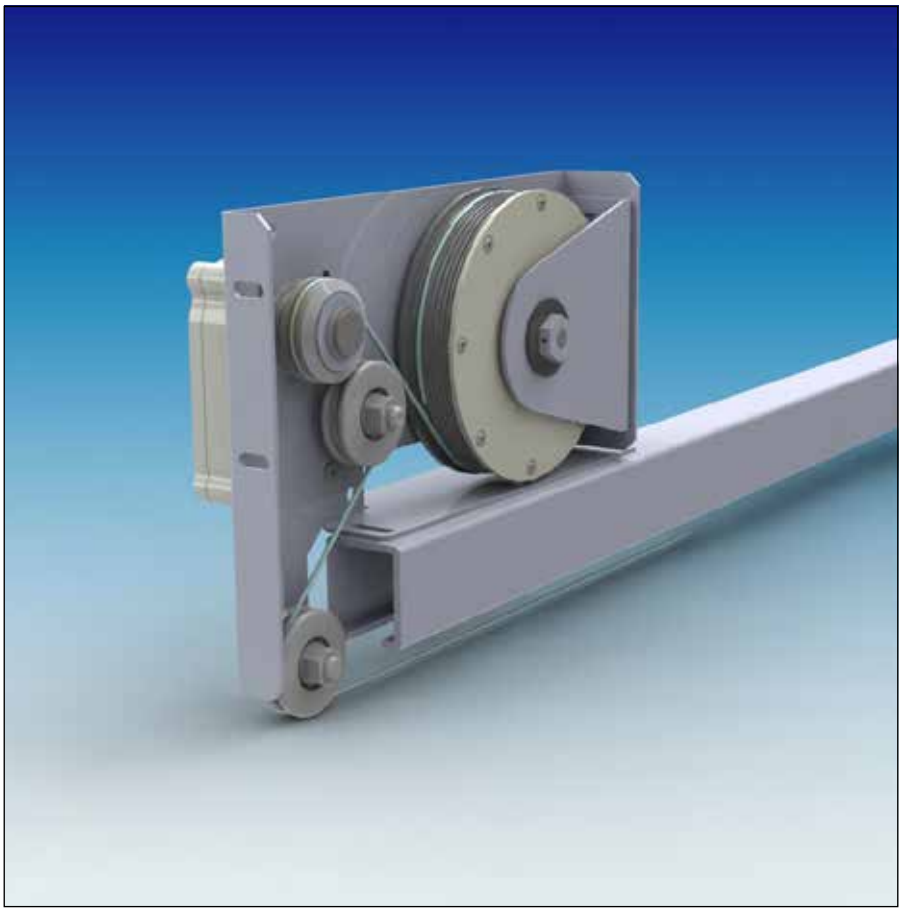
DICTATOR offers also for **small sliding doors** a reliable, mechanical closing device, the DICTAMAT 50.

One of its advantages is that both closing speed and force are exactly adjustable. The door is closed at a controlled speed over the whole travel. This means optimum protection both for people and material. And it also guarantees that the door closes completely and does not reopen a bit as it often happens when being closed manually.

We highly recommend to use the DICTAMAT 50 BK with revolving rope everywhere where it is possible as it provides an absolutely non-positive connection to the door and prevents any malfunction by manual manipulation. Due to its modular structure the modular system (BK) can be adapted to nearly any door situation.

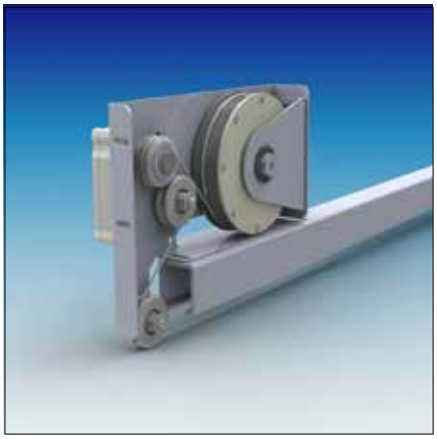
The DICTAMAT 50 BK can also be used for sliding doors with two leaves. The revolving rope facilitates the simultaneous moving of both leaves.

For its use e.g. on ships, in the food processing industry or in hospitals, the DICTAMAT 50 is also available from non-corroding material.



Technical Data

Max. closing force	50 N (standard); 25 N, 80 N
Max. working travel	1.0 - 1.5 m (depending on pretension and strength of spring)
Pull rope	length 2 m, flame retardant plastic rope
Door weight	10 - 100 kg
Material	please see table on the following page
	execution from rustless material available



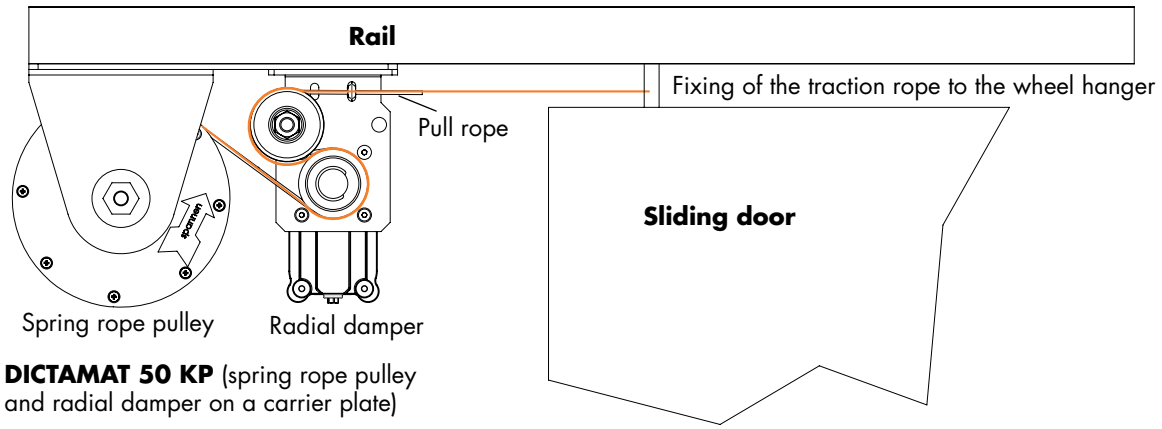
DICTAMAT 50 Functional Principle - Overview

The DICTAMAT 50 has been designed as a closing device for sliding doors. It makes sure that they will reliably be closed. The closing speed can exactly be adapted to the requirements on site.

The main components of the DICTAMAT 50 are the spring rope pulley as closing device and the radial damper LD 50 for the controling and adjusting of the closing speed. When opening the sliding door by hand, the spring of the spring rope pulley is tensioned. When releasing the door, the spring rope pulley closes the door by means of the pull rope. The rope is guided over the radial damper and therefore the door is closed with the speed adjusted on the radial damper.

The DICTAMAT 50 can be mounted to the most different rail systems. If necessary, specially adapted fixing accessories can be provided.

Functional Principle



DICTAMAT 50 KP (spring rope pulley and radial damper on a carrier plate)

Executions

- **DICTAMAT 50 BK**: Modular system, consisting of single components with fixing brakkets each and revolving rope with idler pulley. Can also be used for the simultaneous moving of double-leaf doors. Usually this version should be installed.
- DICTAMAT 50 KP: Compact unit with carrier plate for the installation underneath the rail, with single pull rope. Suitable for one-leaf doors only.
- DICTAMAT 50 KW: Compact unit with carrier bracket for the installation on top of the rail, with single pull rope. Suitable for one-leaf doors only.

Material of the Components

The DICTAMAT 50 is available from different material.

Component	Standard version	Rustless version
Carrier plate/bracket	zinc-plated sheet steel	AISI 304/AISI 316 stainless steel
Revolving rope	steel rope	AISI 304/AISI 316 stainless steel
Door actuator	zinc-plated sheet steel	AISI 304/AISI 316 stainless steel
Rope tensioner	zinc-plated sheet steel	AISI 304/AISI 316 stainless steel
Mounting bracket	zinc-plated sheet steel	AISI 304/AISI 316 stainless steel
Spring rope pulley	casing: flame retardant plastic AQUAMID	
	tensioning screw and sliding hub zinc-plated and greased	
Rope spring r. pulley	flame retardant Kevlar rope with polyester coating	
Radial damper	casing: AQUAMID, rope pulley: aluminium with Vulkollan insert	
Idler pulleys	polyamide	

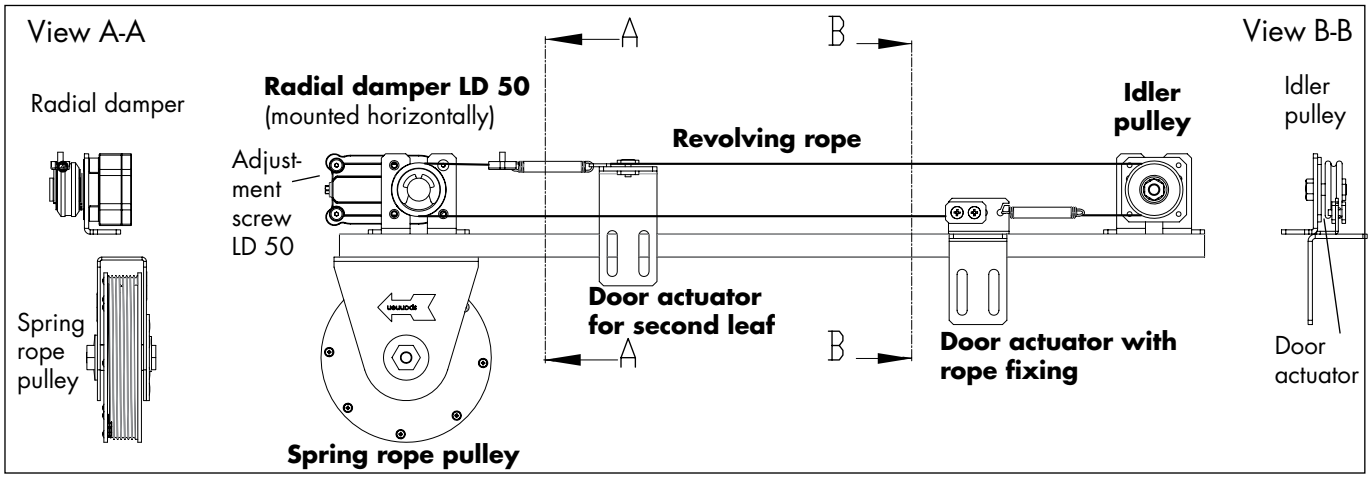
DICTAMAT 50 BK - Modular System with Revolving Rope

The DICTAMAT 50 BK is the standard version and should always be used. It also can simultaneously move both leaves of double-leaf sliding doors. Furthermore it facilitates, due to its modular structure, to realise space saving solutions. The revolving rope always provides a secure and reliable function. Therefore, the single components of this execution can be installed separately, without running the danger of a malfunction. With the DICTAMAT BK the rope is usually connected directly to the wheel hanger.

Spring rope pulley, radial damper and idler pulley are supplied with the mounting accessories that facilitate the fixing directly to the rail or the ceiling. On demand, there are also available special mounting accessories for the fixing to the wall.

Installation Example DICTAMAT 50 BK

The drawing shows an installation example of the DICTAMAT 50 BK (see next page for further details and the dimensions).

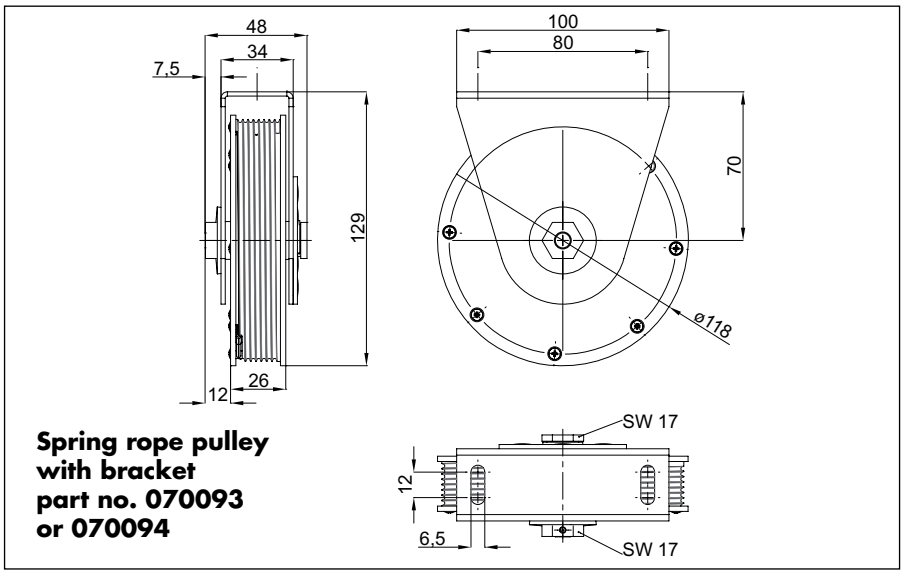


Components DICTAMAT 50 BK

- Spring rope pulley with bracket and plastic rope
- Radial damper LD 50 with mounting bracket set
- Idler pulley with mounting bracket set
- 8 m steel rope Ø 2 mm (revolving rope)
- Door actuator and rope tensioner with bracket

For double-leaf doors an additional actuator for the second leaf has to be ordered .

Dimensions Components DICTAMAT 50 BK



DICTAMAT 50 BK - continuation

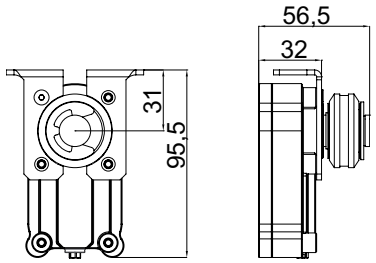
Depending on the available space, the components of the modular system can be installed at different positions. For designers, there are nearly no limits to develop own object-specific solutions. Of course, DICTATOR will be happy to assist you in realising your ideas.

The mounting bracket set of the radial damper LD 50 allows for horizontal and also vertical mounting. This gives the most flexibility. In addition, for the radial damper and the idler pulley there are available adaptor plates which facilitate an easy mounting of the respective component to the most different rails and positions.

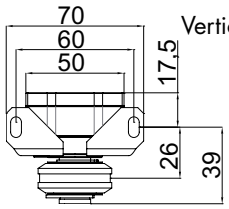
When choosing the mounting position of the LD 50, you should consider besides the available space the accessibility of the regulation screw for later adjustments.

Dimensions Components DICTAMAT 50 BK - cont.

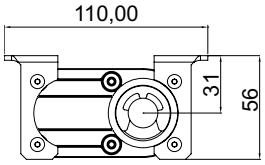
Radial damper with mounting brackets, part no. 244040



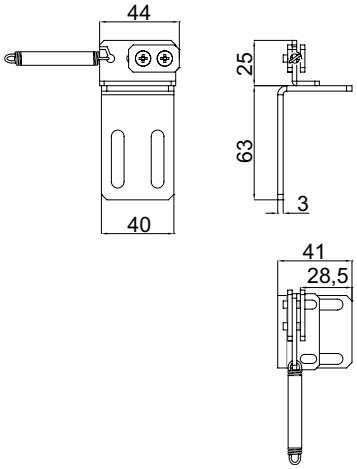
Vertical installation



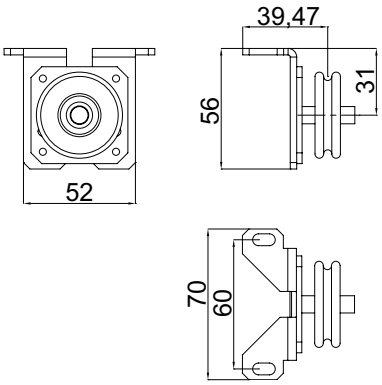
Horizontal installation



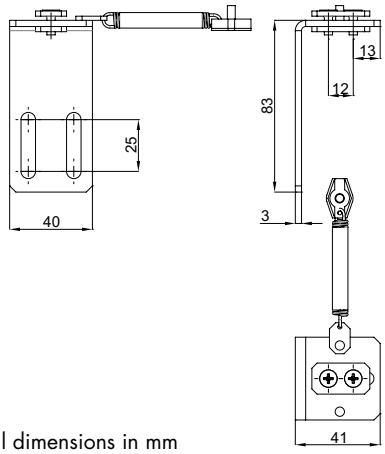
Door actuator with rope tensioner, part no. 700071



Idler pulley with mounting brackets, part no. 700070



Door actuator for the second door leaf, part no. 700090



All dimensions in mm

Components Included

Spring rope pulley with bracket and plastic rope, radial damper LD 50 with mounting bracket set, idler pulley with mounting bracket set, 8 m steel rope Ø 2 mm (revolving rope), door actuator with rope tensioner

Accessories

Door actuator for second door leaf with additional compensation spring and rope clip

Adaptor plates and brackets for radial damper LD 50 and idler pulley

DICTAMAT 50 KP - Compact Unit with Pull Rope

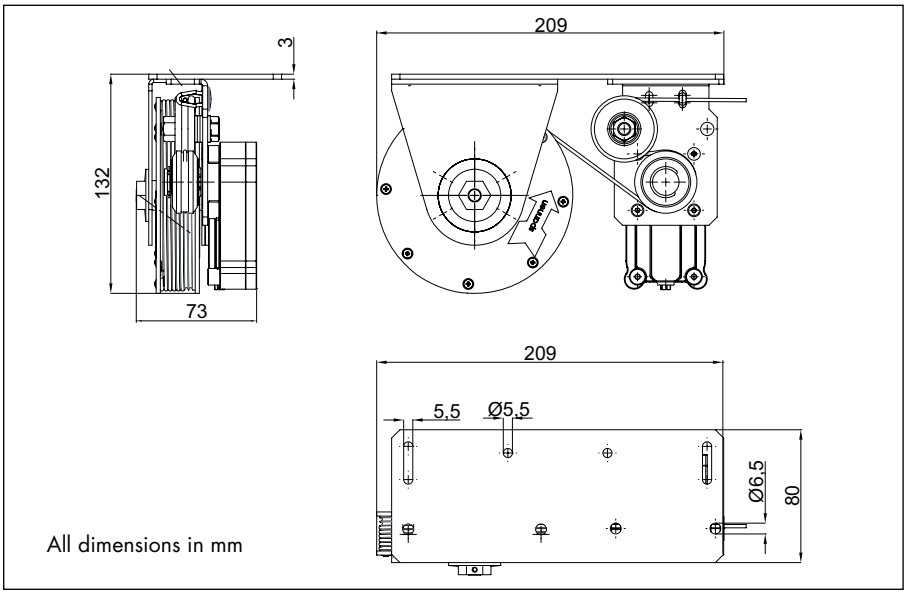
The DICTAMAT 50 KP has been designed for the installation underneath the rail. The carrier plate is directly fixed to the rail from below.

The spring rope pulley and the radial damper with pressure roll of the compact unit KP are mounted on a carrier plate. The pull rope of the spring rope pulley is guided over the rope pulley of the radial damper and then directly to the door leaf. The pressure roll on the radial damper ensures the rope to be always guided safely.

Manual manipulation of the closing (additionally pushing the door close) may cause the so-called slack rope.

The DICTAMAT 50 KP is screwed either from above to the rail or fixed from below to or in the rail.

Dimensions



Installation

Usually the DICTAMAT 50 KP is installed on the side of the door where it is in the closed position, as then the pull rope can directly be fixed to the door leaf. When ordering the compact unit DICTAMAT 50 KP you have to pay attention to the closing direction of the door (left or right). The above illustration shows the left execution for doors closing to the left.

Both components may only be installed together with the carrier plate. Otherwise there might be a malfunction due to a slack rope.

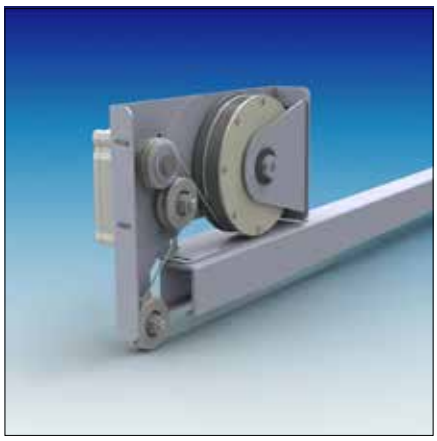
Components Included

DICTAMAT 50 KP, consisting of carrier plate with spring rope pulley,

2 m of plastic rope with eyelet, pressure roll, radial damper with rope pulley

Accessories

Covers in different executions	on demand



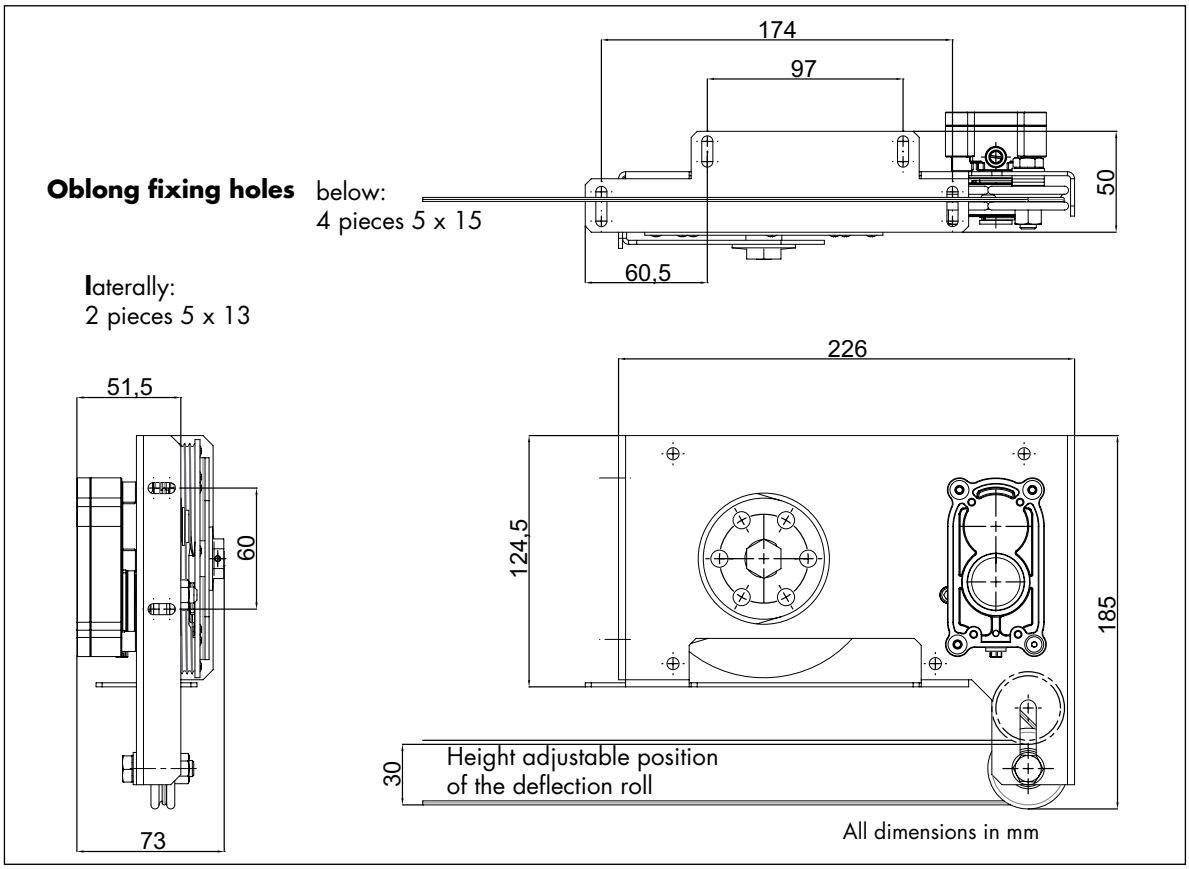
DICTAMAT 50 KW - Compact Unit with Pull Rope

The DICTAMAT 50 KW is intended for the installation on top of the rail. An universal carrier bracket offers different fixing possibilities.

With the compact unit KW the spring rope pulley, the radial damper with pressure roll and a deflection roll for the rope of the spring rope pulley are mounted on the carrier bracket. The pull rope of the spring rope pulley runs over the rope pulley of the radial damper and the height adjustable deflection roll (regulating range: 30 mm) to the door leaf.

Manual manipulation of the closing (additionally pushing the door close) may cause the so-called slack rope.

Dimensions



Installation

Usually the DICTAMAT 50 KW is installed on the side of the door where it is in the closed position, as then the pull rope can directly be fixed to the door leaf. The DICTAMAT 50 KW can be used, without converting, for right and left closing doors. The rope is guided either directly below or in the rail or alternatively parallel to the rail (see page 02.080.00).

Especially for its use together with the DICTATOR rail system for wall pockets (see page 02.079.00), there is available a supporting bracket which facilitates the mounting of the compact unit KW on the supporting system of the rail set.

Components Included

DICTAMAT 50 KW, consisting of carrier bracket with spring rope pulley, 2 m of plastic rope with eyelet, pressure roll, radial damper with rope pulley, deflection roll

Accessories

Supporting bracket for rail system Complete set for wall pockets

DICTAMAT 50 - Order Information

In the following is listed just the stock program available on short notice.

On demand, there can be provided further special executions, e.g. with components of the AISI 316 stainless steel. Furthermore, there can be produced executions of fixing accessories adapted especially to the respective rail system.

DICTATOR also offers a free of charge technical advisory service to support you in developing object related solutions. If required the corresponding drawings of the components are available in different formats.

Order Information

DICTAMAT 50 BK, modular system

DICTAMAT 50 BK, 25 N	part no. 700054
DICTAMAT 50 BK, 50 N	part no. 700080
DICTAMAT 50 BK, 80 N	part no. 700081
DICTAMAT 50 BK, 25 N, rustless	part no. 700055
DICTAMAT 50 BK, 50 N, rustless	part no. 700085
DICTAMAT 50 BK, 80 N, rustless	part no. 700086

Accessories for the modular system

Door actuator for second door leaf, zinc-plated steel	part no. 700090
with compensation spring and rope clip	
Door actuator for second door leaf, AISI 304 stainless steel	part no. 700091
with compensation spring and rope clip	
Adaptor plate 75 x 80 mm, zinc-plated	part no. 244050
Adaptor bracket 70 x 25 x 40 mm, zinc-plated	part no. 244051
Adaptor plate 75 x 80 mm, AISI 304 stainless steel	part no. 244052
Adaptor bracket 70 x 25 x 40 mm, AISI 304 stainless steel	part no. 244053

DICTAMAT 50 KP, compact unit with carrier plate

DICTAMAT 50 KP, 50 N, left	part no. 700082
DICTAMAT 50 KP, 50 N, left, rustless	part no. 700087
DICTAMAT 50 KP, 50 N, right	part no. 700093
DICTAMAT 50 KP, 50 N, right, rustless	part no. 700094

DICTAMAT 50 KW, compact unit with carrier bracket

DICTAMAT 50 KW, 50 N	part no. 700083
DICTAMAT 50 KW, 50 N, rustless	part no. 700088

Accessories for the KW compact unit

Supporting bracket for DICTAMAT 50 KW for the	part no. 700092
rail system "Complete set for wall pockets"	

The components of the modular system are also separately available. In case of need please contact us.

Our technicians would be happy to design special variants for your applications.

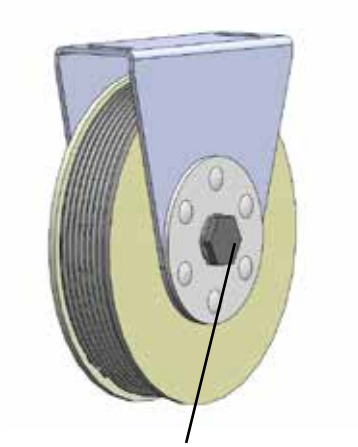
Technical Information on the DICTAMAT 50

The DICTAMAT 50 is usually delivered with a closing force of 50 N. But it is also available with a spring of 25 N or 80 N. The actual closing force can be adapted by pretensioning the spring rope pulley accordingly. The more the spring is pretensioned, the shorter the available travel becomes (see schema below).

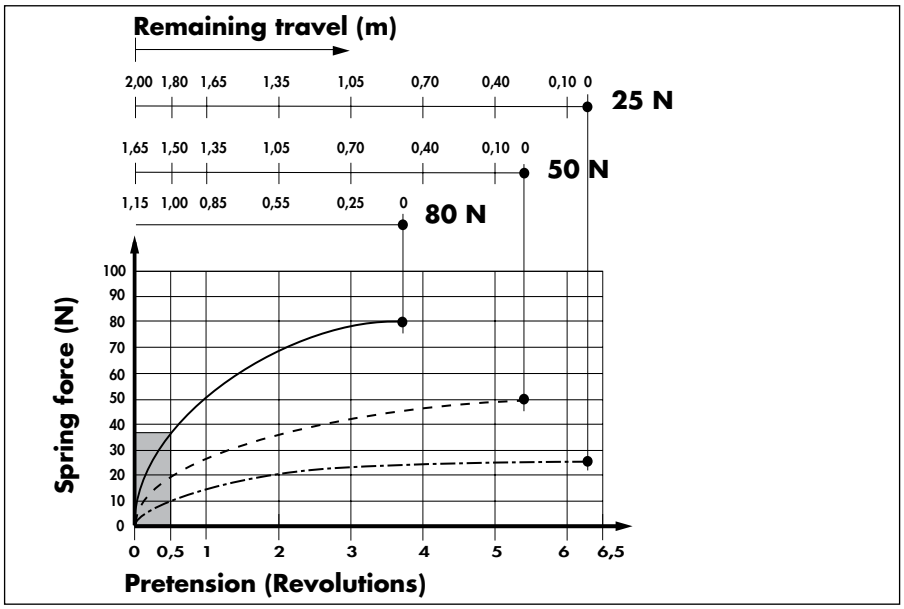
The spring rope pulley of the DICTAMAT 50 is equipped with a sliding hub. This allows to reduce the pretension of the spring without the danger of damaging the spring.

The continuous adjusting of the closing speed is realised by adjusting the damping force of the radial damper (see the diagram at the bottom).

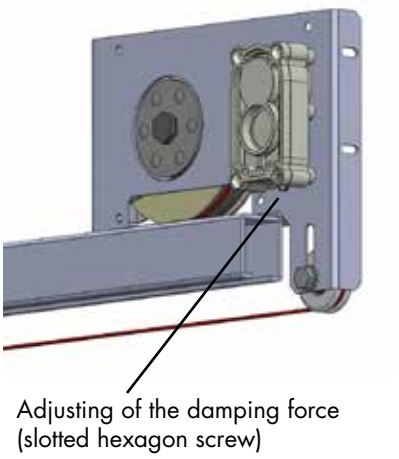
Closing Force/Travel



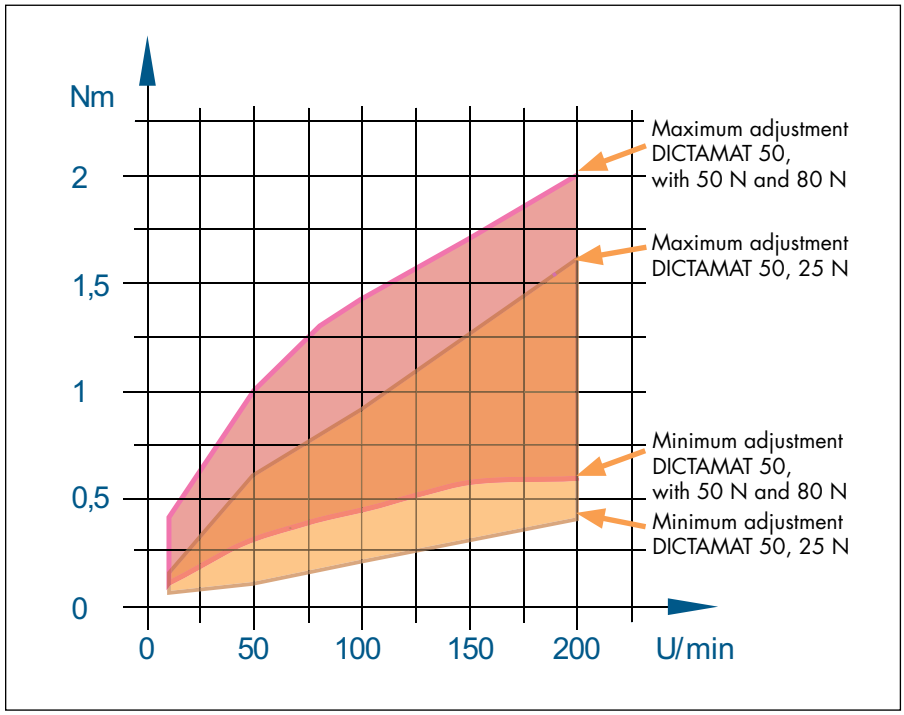
Adjusting of the closing force
(from both sides, SW 17)

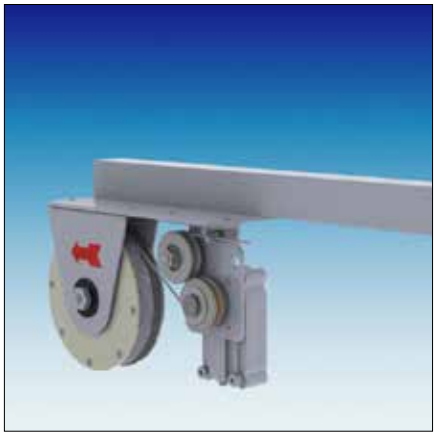


Damping force



Adjusting of the damping force
(slotted hexagon screw)





Rail Sets for the DICTAMAT 50

As accessories for the DICTAMAT 50 there are available complete rail sets.

They are especially designed for sliding doors up to 100 kg. There exist two completely different types of sets:

- Rail with wheel hanger and accessories for the free mounting to the wall or ceiling (see below)
- Assembly set for a wall pocket (hidden mounting) complete with rail, wheel hanger and accessories (see page 02.079.00)

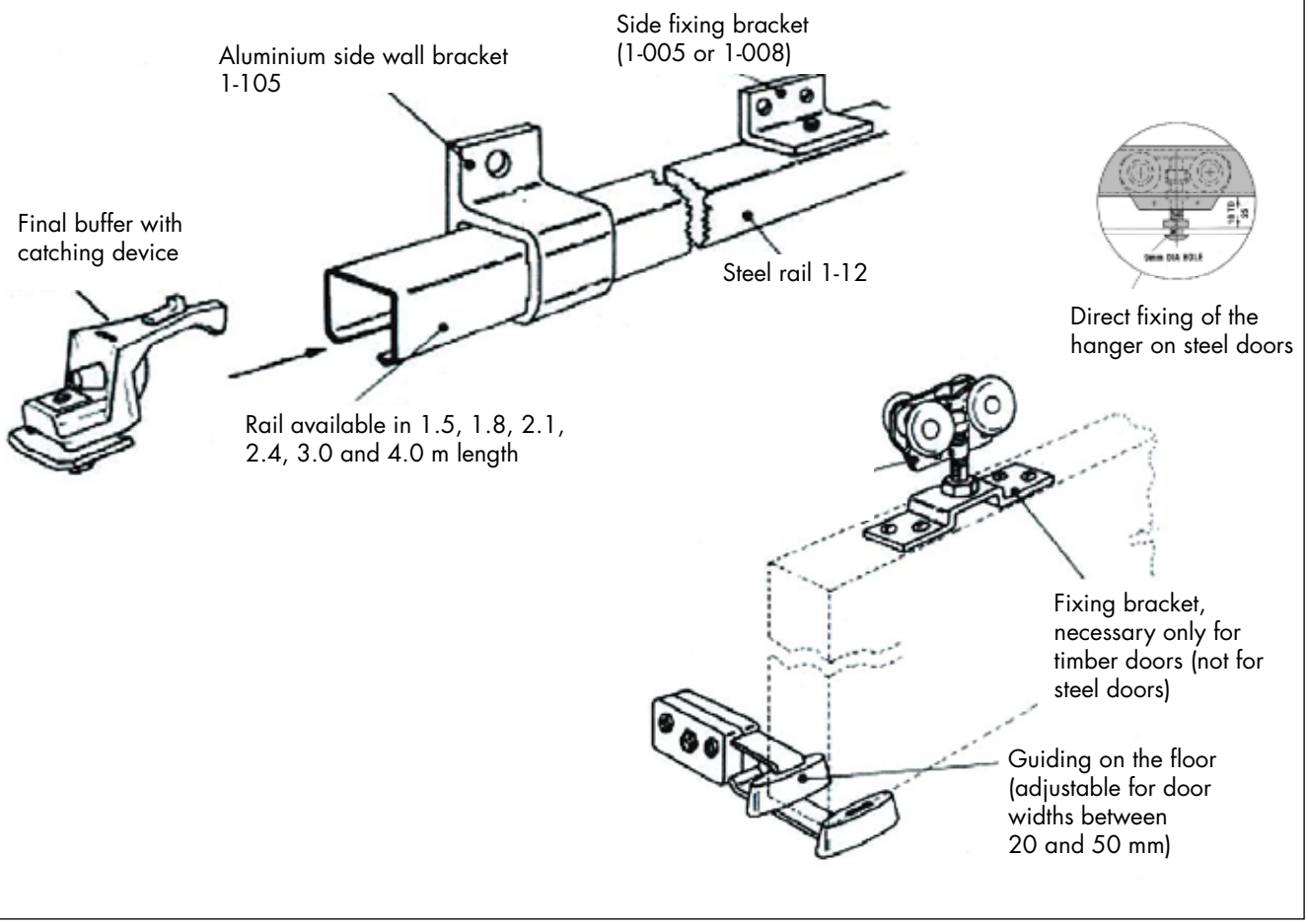
Rail Set with Wheel Hanger

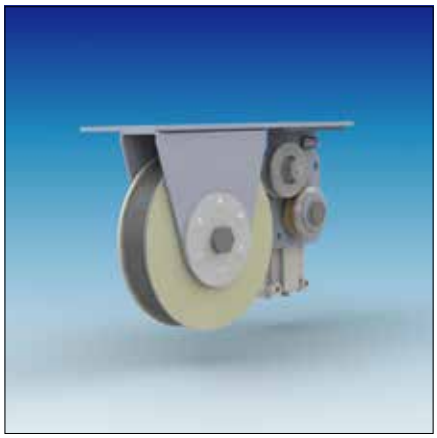
For one sliding door you need:

- Rail type 100 1-12 in the corresponding length
  By default the rail is available in the following lengths: 1.5 m, 1.8 m, 2.1 m, 2.4 m, 3.0 m, 4.0 m. Other lengths are available on demand.

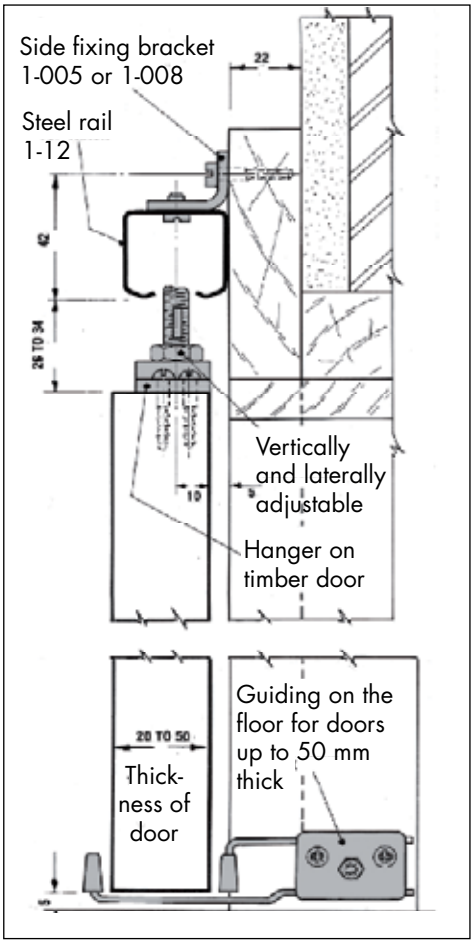
- Components set 100-010 consisting of:
  2 wheel hangers for timber or metal doors (adjustable)
  2 final buffers with catching device
  1 guiding for the sliding door

- If required a set of side fixing brackets.
  There are available two different sets, according to the length of the rail.

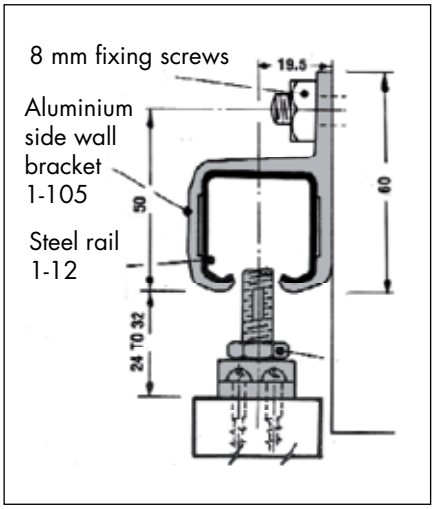




Rail Set with Wheel Hanger - cont.



Accessories



The rail is provided with bores to allow for its fixing directly to the ceiling (rails up to 2.1 m have 5 bores each, rails of 2.4, 3 and 4 m have 8 bores).

Should the fixing to the ceiling not be possible, there are additional side fixing brackets available. Depending on the length of the rail the kit contains 5 or 8 brackets.

In case two rails have to be assembled because the maximum length of 4 m is not sufficient, the aluminium side wall bracket (1-105) is used on the joint.

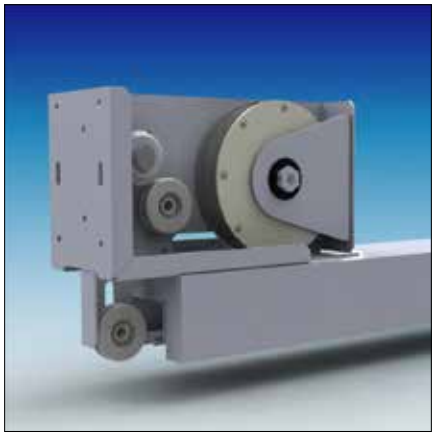
Technical Data

Max. door weight	100 kg
Max. door height	2.5 m
Door thickness	20 - 50 mm
Material	zinc-plated steel (aluminium or stainless steel on demand)

Order Information Rail Set with Wheel Hanger

Rail type 1-12, length 1.5 m	part no. 1-12-15
Rail type 1-12, length 1.8 m	part no. 1-12-18
Rail type 1-12, length 2.1 m	part no. 1-12-21
Rail type 1-12, length 2.4 m	part no. 1-12-24
Rail type 1-12, length 3.0 m	part no. 1-12-30
Rail type 1-12, length 4.0 m	part no. 1-12-40
Components kit 100-010 for one-leafed doors	part no. 100-010
Kit of side fixing brackets (5 pieces up to 2.1 m)	part no. 1-005
Kit of side fixing brackets (8 pieces up to 4 m)	part no. 1-008
Aluminium side wall bracket to join two rails	part no. 1-105
Closed end piece for Straightaway 100 track (pair)	part no. 1-007

Further components on demand, e.g. different floor guidings



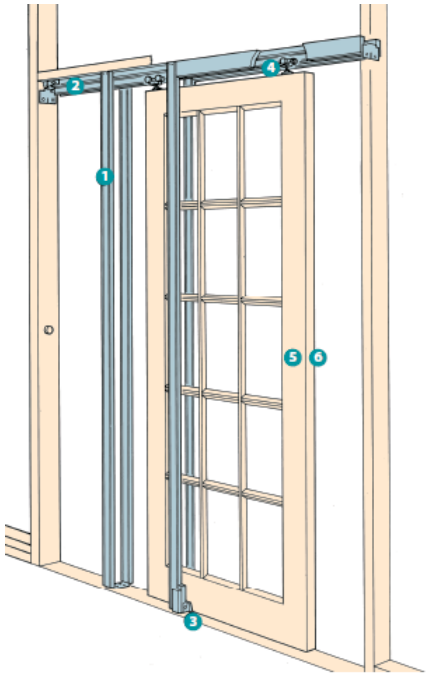
Rail Sets for the DICTAMAT 50 - Complete Set for Wall Pockets

The complete set for wall pockets makes it easy to let disappear open sliding doors in the wall. The set includes the rail with accessories and the complete studs for building the wall pocket. After the installation the stud construction has to be lined with panels to be provided by the customer.

The unique hanger locking clip allows exceptionally easy fitting and removal of the door from the hanger. The stud foot brackets compensate unevenness of the floor.

Together with the complete set for wall pockets, always the DICTAMAT 50 KW should be used (see next page).

Complete Set for Wall Pockets



The complete set consists of the following components:

- 1 header assembly complete with rail (for lengths see table) ②
- 1 kit of wheel hangers for timber or metal doors (adjustable) ④
- 1 rubber door stop
- 2 nylon door guides
- 4/6/8 steel cased studs (depending on door width) ①
- 2/3/4 stud foot brackets (depending on door width) ③
- 1 adaptor kit for door thickness from 35 - 44 mm (exception H60B)

The complete set is available in different layouts, depending on the dimensions and the weight of the door.

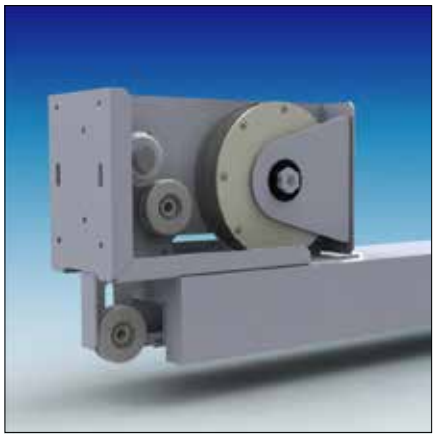
Part no.	Max. door width mm	Max. door height mm	Max. door thickness mm	Max. door weight kg	Total frame length mm	Number studs/ foot brackets
H30	760	2032	35/44	56	1548	4 / 2
H36	915	2032	35/44	56	1853	4 / 2
H42	1067	2032	35/44	56	2158	6 / 3
H42A	1067	2743	35/44	90	2158	6 / 3
H48A	1219	2743	35/44	90	2767	6 / 3
H54	1371	2743	35/44	90	2767	8 / 4
H48I	1219	2438	35/44	136	2462	6 / 3
H60B	1524	2743	75	90	3071	8 / 4

Finished thickness of the complete element (without wall boards!):
90 mm, or when using the adaptor kit: 95 mm
Exception: H60B => 140 mm

On demand there are also available complete sets for wider and thicker doors.
For two-leafed sliding doors you will need two complete sets and the joining kit for two-leafed doors.

Order Information Rail Sets

Complete set for wall pockets	part no. see table
Joining kit for two-leafed doors	part no. 61-600

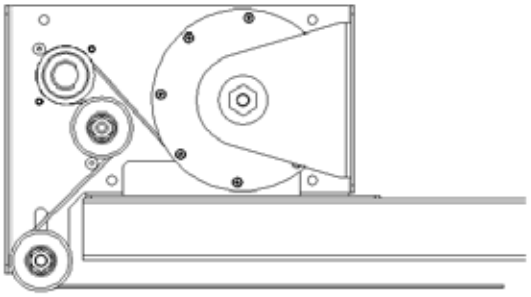


Mounting Examples for the DICTAMAT 50 KW

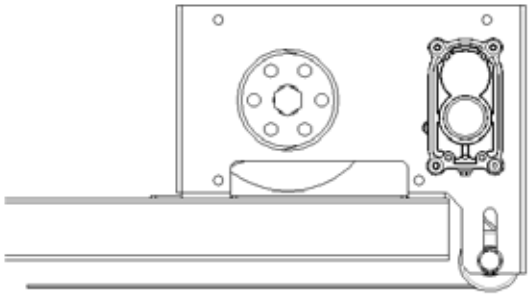
Due to its sophisticated construction the compact unit KW offers a lot of different installation possibilities. The following illustrations just show a small choice of the thinkable mounting options.

With the help of the supporting bracket being available as accessories, it's no problem to mount the DICTAMAT 50 KW directly above the frame of the rail set. That makes the mounting very easy. The drawings on the left and the very bottom show this variant and the corresponding dimensions.

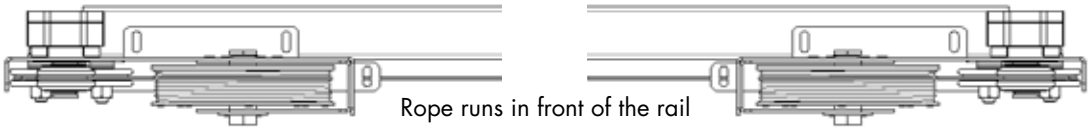
Mounting Example DICTAMAT 50 KW



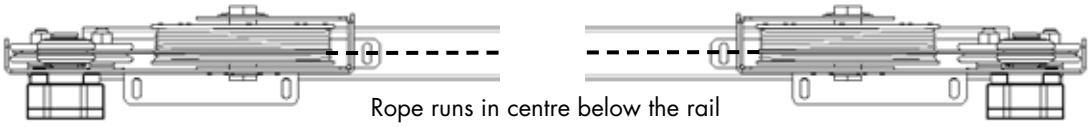
DICTAMAT 50 KW
installed at the left, door closes to the left



DICTAMAT 50 KW
installed at the right, door closes to the right

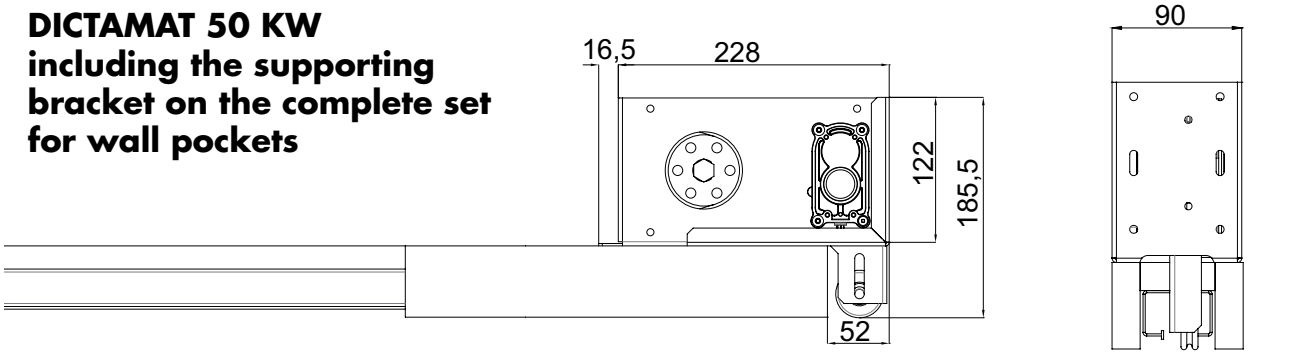


Rope runs in front of the rail



Rope runs in centre below the rail

Dimensions of DICTAMAT 50 KW including the supporting bracket on the complete set for wall pockets



All dimensions in mm

© DICTATOR TECHNIK GMBH • Gutenbergstr. 9 • 86356 Neusäß • Germany
Tel. +49(0)821 24673-0 • Fax +49(0)821 24673-90 • E-mail info@dictator.de • 1112

DICTATOR Spring Rope Pulleys for the Closing of Sliding Doors

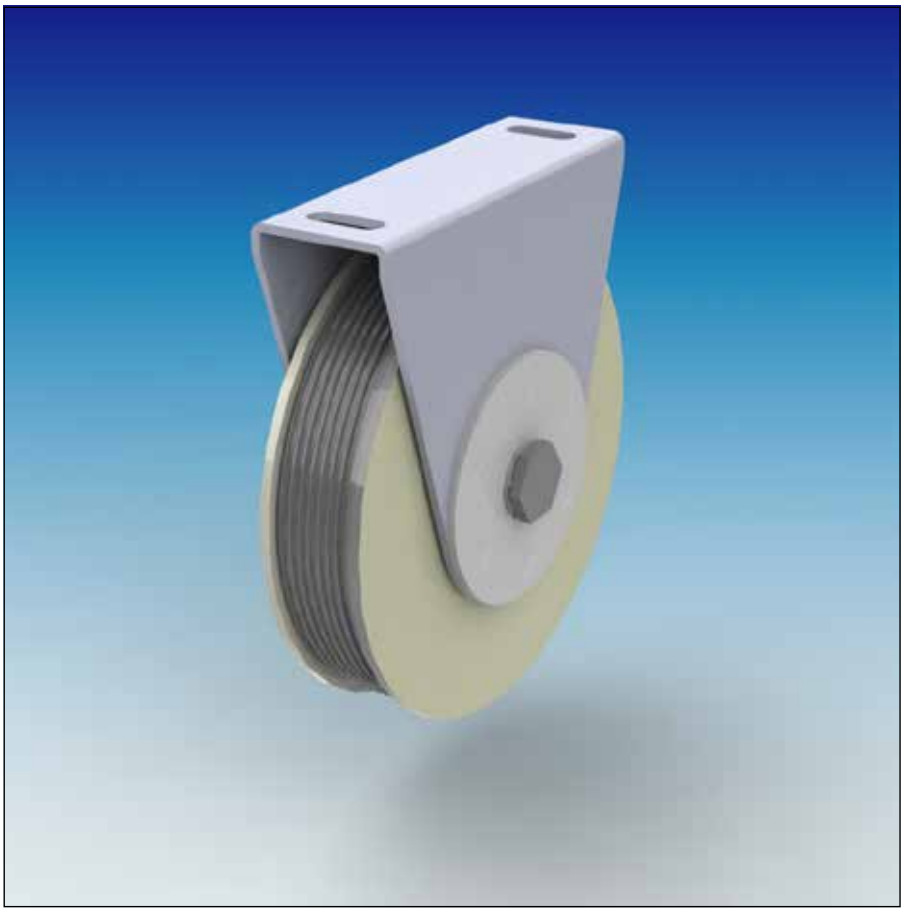
Spring rope pulleys are a simple, efficient and cost-effective closing device for sliding doors. During the opening of the door the spring is tensioned and then automatically pulls the sliding door back into the closed position.

The spring rope pulley is available with three different forces: 25 N, 50 N and 80 N.

The closing force can be adjusted by pretensioning the spring accordingly. However, pretensioning reduces the travel. Generally speaking: the higher the force of the spring rope pulley the shorter the travel. The closing speed, however, is not controlled when the spring rope pulley is the only closing device.

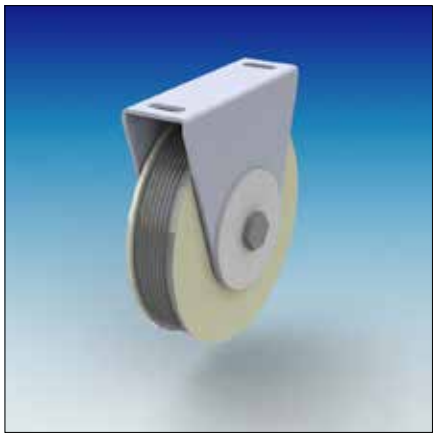
The casing of the spring rope pulley is of heat resistant plastics. Due to the guide grooves molded into the plastic casing the Kevlar rope is always coiled properly. This guarantees a very long operational life of the spring rope pulley.

Should the closing speed be controlled during the complete closing, we recommend to use the DICTAMAT 50 (see page 02.069.00 and following).



Technical Data

Material casing	flame retardant AQUAMID plastics
Rope	flame retardant Kevlar rope with polyester coat
	about Ø 2 mm, with cable eye stiffener (inner Ø about 5.5 mm)
Closing force	25 N, 50 N, 80 N, depending on the type
Material bracket	zinc-plated sheet steel or AISI 304 (only with sliding hub)
Models	for mounting on square bolt; fixing with bolt with square neck;
	with bracket and integrated sliding hub



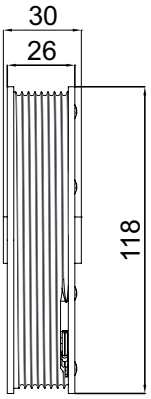
Models

There are available different models of the spring rope pulley from plastics, depending on the type of mounting and the handling comfort desired:

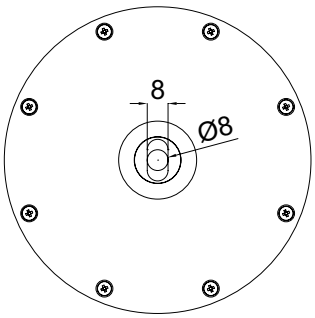
- **Spring rope pulley with inner square**
  for mounting on an 8 mm square bolt provided on site
- **Spring rope pulley with square on one side**
  to be mounted with a square necked mushroom head bolt DIN 603 M8
- **Spring rope pulley with sliding hub and bracket**
  It is highly recommended to use this model as due to the tensioning screw it is very easy to tension and if necessary to release the spring. The model without sliding hub can easily be damaged, e.g. by letting go the rope by accident. The sliding hub prevents this. Furthermore the bracket allows for an easy and fast mounting.

Models

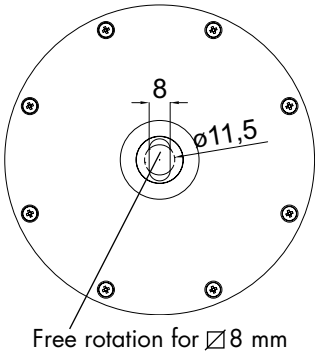
Model for
8 mm square bolt or
M8 bolt with square neck



Model for the mounting with a bolt
with square neck DIN 603 M8

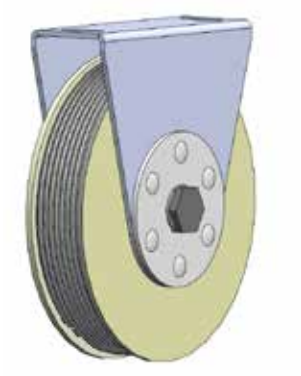


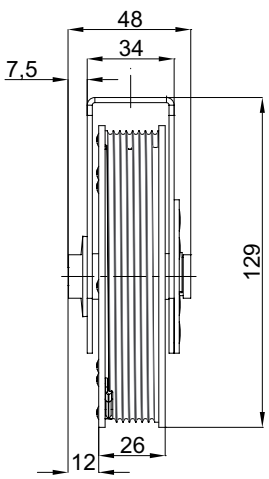
Model for
8 mm square bolt

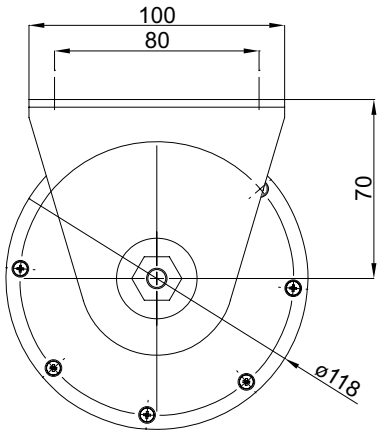


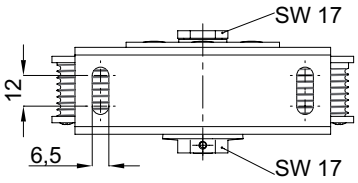
Free rotation for ⍁8 mm

Spring rope pulley with sliding hub and bracket

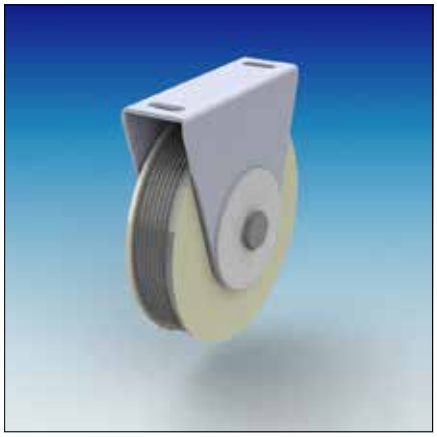








All dimensions in mm



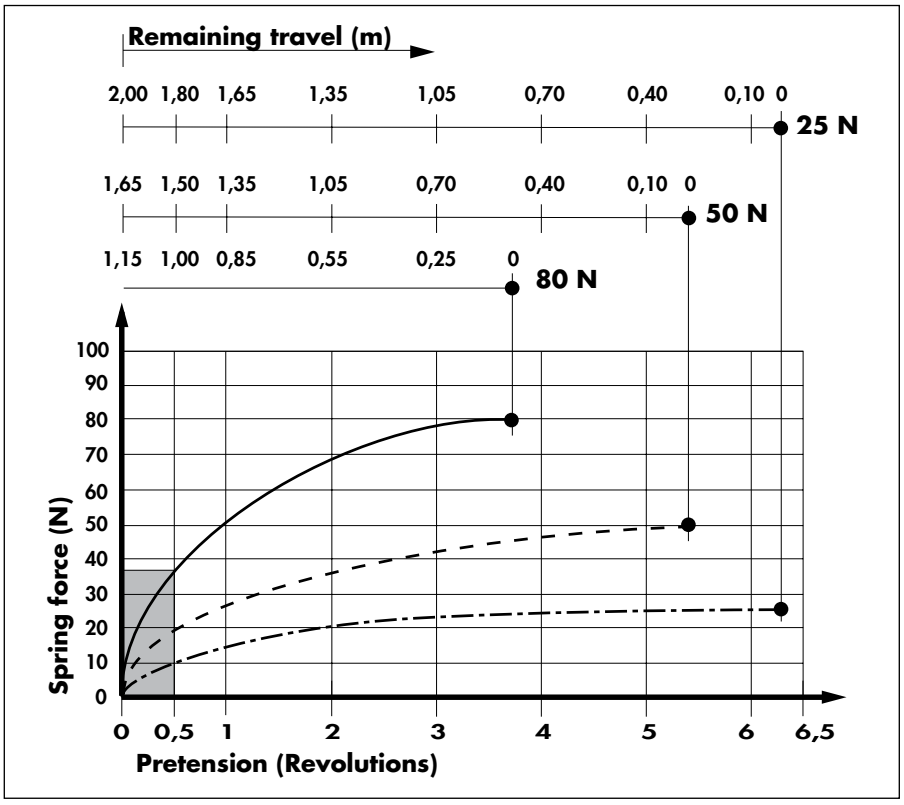
Force-Travel-Diagram, Order Information

The maximum possible travel of the respective spring force can be seen in the diagram below.

Example:
Spring rope pulley with 50 N spring, pretension 2 revolutions..

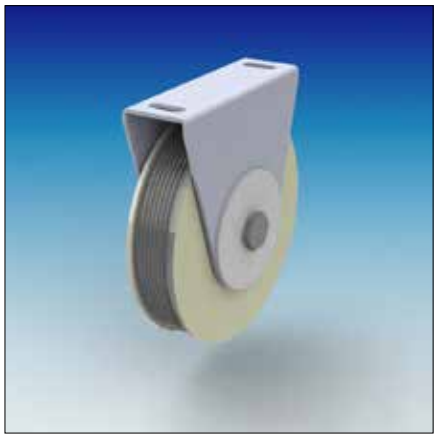
The final closing force of the spring rope pulley will be (when the door is closed) about 38 N, the maximum possible travel is 1.05 meters. If the spring rope pulley is pre-tensioned less you get a longer travel but the final closing force will be minor.

Force-Travel-Diagram



Order Information

Spring rope pulley 25 N for mounting on square bolt	part no. 070110
Spring rope pulley 50 N for mounting on square bolt	part no. 070111
Spring rope pulley 80 N for mounting on square bolt	part no. 070112
Spring rope pulley 25 N for bolt with square neck	part no. 070101
Spring rope pulley 50 N for bolt with square neck	part no. 070091
Spring rope pulley 80 N for bolt with square neck	part no. 070092
Spring rope pulley 25 N with sliding hub, bracket zinc-plated	part no. 070102
Spring rope pulley 50 N with sliding hub, bracket zinc-plated	part no. 070093
Spring rope pulley 80 N with sliding hub, bracket zinc-plated	part no. 070094
Spring rope pulley 25 N with sliding hub, bracket AISI 304	part no. 070103
Spring rope pulley 50 N with sliding hub, bracket AISI 304	part no. 070098
Spring rope pulley 80 N with sliding hub, bracket AISI 304	part no. 070099



F

Mechanical Timer

Adjustable Hold-Open Time for Sliding Door Closers

Comfortable operation of sliding doors, without power consumption, without electrical installations that often have to be controlled every year: no problem with the DICTATOR solutions for sliding doors.

Sliding doors that are equipped with the sliding door closer DICTAMAT 50 close as soon as they are let go. But if a door should stay open for a while, e.g. in hospitals to push a bed through, DICTATOR provides the mechanical timer which functions completely mechanically and without current.

The mechanical timer is mounted in the open position of the sliding door. It uses the same functional principle as the hydraulic door checks, but with the opposite outcome: a valve in the cylinder limits the flow rate of the oil. This determines the time after which the roller lever will again be turned down completely and isn't retained by the hook anymore. The door can close.

The delay time is adjustable. The duration depends on the closing force of the mounted closing device.

Technical Data

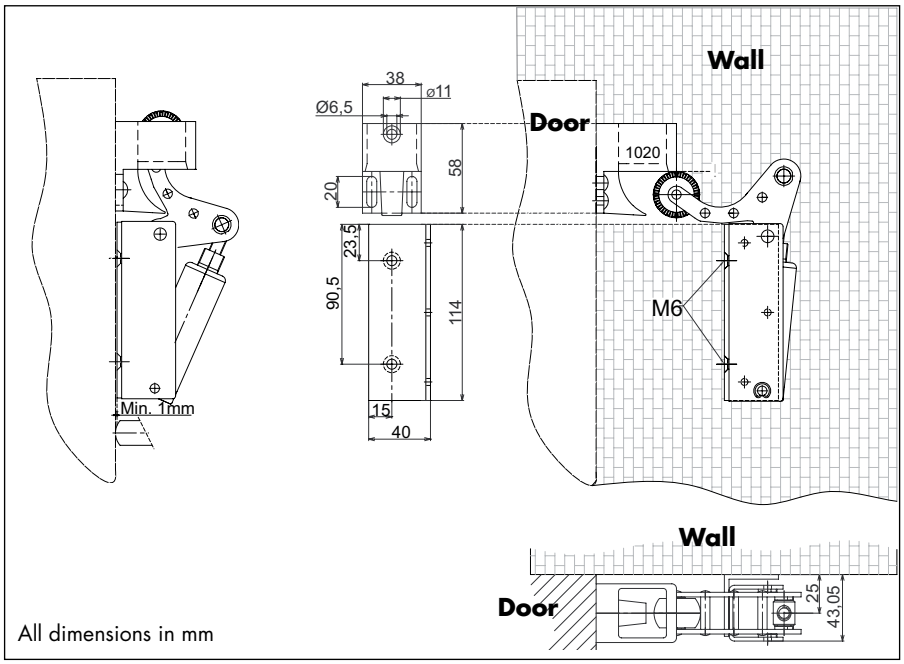
Delay time	adjustable; duration depends on closing force of closing device
Material casing	blue zinc-plated steel
Material bracket	stainless steel
Material hook	satin chromed aluminium
Possible closing devices	DICTAMAT 50, spring rope pulley, counter weight etc.

Mechanical Timer

Usually the mechanical timer is mounted with a mounting bracket on the lateral wall of the opening direction. The hook is fixed at the back of the door leaf in a way that the roller lever of the mechanical timer enters the hook during opening and is completely folded up when the door is open.

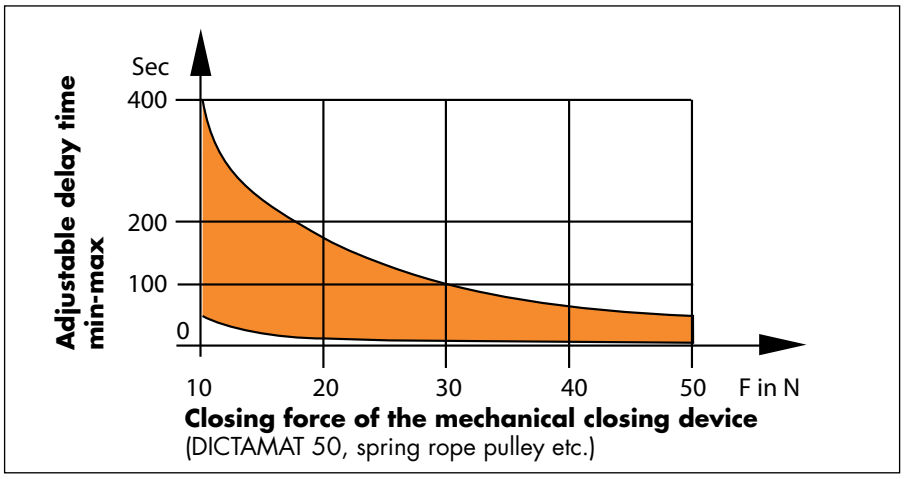
The duration of the delay is adjustable. The adjusting range depends in particular on the closing force of the spring rope pulley in the DICTAMAT 50, the counter weight or the like. The indications of the table below apply at an operating temperature of about 22 °C.

Mounting, Dimensions



All dimensions in mm

Adjusting Range of Delay Time



Components Included

Mechanical timer, adjustable, 1 hook 1020 with large boring, 1 mounting bracket, fixing screws for wooden doors

Order Information

Mechanical timer, adjustable	part no. 500270

DICTATOR Release Buffer for Sliding Doors in Wall Pockets

When opened many sliding doors disappear in so-called wall pockets. This is the optimum solution - if there wasn't the problem of the door handle for closing the door no longer being accessible. But in case the door is not opened completely, precious width of the passage is lost. In the worst case, especially for barrier-free building this could require a broader, more expensive door.

The DICTATOR release buffer is a simple and reliable solution of this problem.

Usually the release buffer is mounted (invisible) in the opening edge of the door. When opening the door the magnet buffer on the piston rod hits a counter plate. This at the same time keeps the door in the open position. If you want to close the door, you just have to push lightly against its edge and the integrated spring will push the door out of the wall pocket that far that the handle is accessible again.

The release buffer is available with two different spring forces. Usually the model with 85 N will be sufficient. The stronger version should only be choosen if the door is not smooth-running, e.g. when a brush seal is mounted.

Technical Data

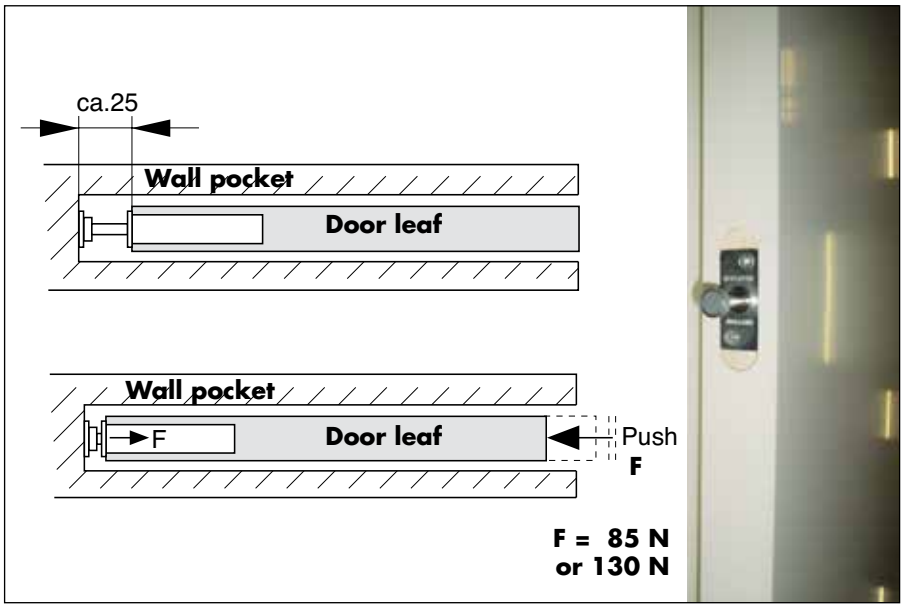
Stroke	20 mm
Extension force	approx. 85 N / 130 N
Material tube	aluminium
Material counter plate, piston rod	zinc-plated steel

Mounting, Dimensions, Order Information

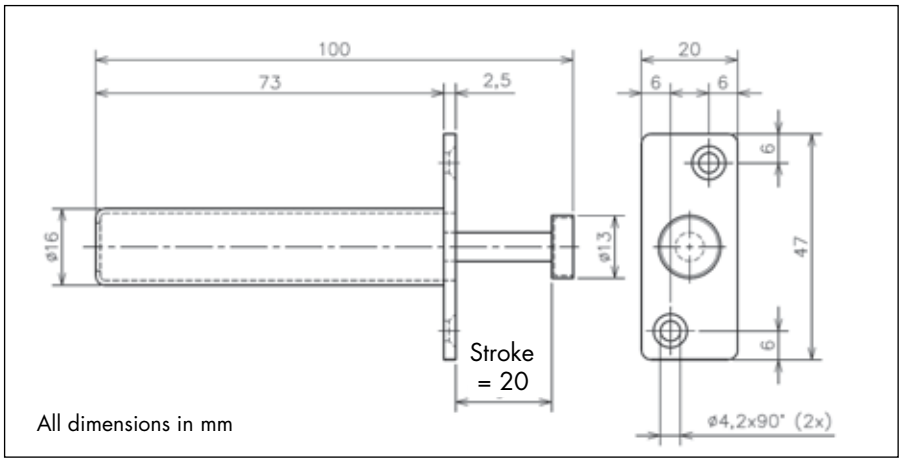
The release buffer is usually mounted in the opening edge of the door leaf. This requires an according boring in the door leaf. Unless it is a frame from steel the included counter plate has to be mounted as a counter part. It is needed for the magnet at the end of the piston rod that keeps the door safely in the open position.

In the wall pocket behind the opened door you only need a space of 25 mm for the release buffer.

Mounting



Dimensions



Components Included

Release buffer with counter plate and fixing screws

Order Information

Release buffer with 85 N extension force	part no. 500260
Release buffer with 130 N extension force	part no. 500262