

Complete Programme



Overhead door closers
Floor springs
Rebate door closers
Hold open arrangements
Door holders

Edition 12.2003

Overhead door closers, floor springs rebate door closers, door holders and hold open arrangements

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Overhead rack and pinion door closer with scissor action arms



Advantages

- Identical hole pattern for all closer sizes.
- Closing power adjustable by moving the closer body and turning the arm bearing upside down.
- Easy fixing on timber, PVC, tubular frame aluminium or steel doors.
- Valve adjustment from the front
 - control of closing speed
 - control of latching power
 Both functions as standard.
- Smartly shaped casing – compact styling.

Application

- Left or right hand use.
- Standard mounting on hinge side, transom mounting opposite to hinge side.

Range of application

Size 2* = Door leaf width up to 850 mm
 Size 3* = Door leaf width up to 950 mm
 Size 4* = Door leaf width up to 1100 mm

* Sizes according to DIN EN 1154

Technical description

- Door opening angle 180°.
- Controlled closing from any opening angle.
- Protection against forced operation via security valve.
- Optional integrated hold open function adjustable for door opening angles from approx. 70° to 150°.

Ordering references

OTS 210, size 2 - 4	Colour	Order number
Standard arm	silver colour	K-15710-00-0-1
	dark bronze	K-15710-00-0-5
	white (RAL 9016)	K-15710-00-0-7
Hold open arm	silver colour	K-15711-00-0-1
	dark bronze	K-15711-00-0-5
	white (RAL 9016)	K-15711-00-0-7
Mounting plate with DIN hole pattern (only for sizes 3 and 4)	silver colour	K-15714-00-0-1
	dark bronze	K-15714-00-0-5
	white (RAL 9016)	K-15714-00-0-7

Overhead rack and pinion door closer with scissor action arms to DIN EN 1154



Advantages

- Identical hole pattern for all closer sizes.
- Closing power adjustable by moving the closer body and turning the arm bearing upside down.
- Easy fixing on timber, PVC, tubular frame aluminium or steel doors.
- Valve adjustment from the front
 - control of closing speed
 - control of latching power
 Both functions as standard.
- Smartly shaped casing – compact styling.

Application

- Left or right hand use. Standard mounting on hinge side; transom mounting opposite to hinge side possible only, if the fire protection door is licensed for this type of mounting (size 3 and 4 only).



Tested and quality surveyed by the research and materials testing institute Stuttgart (FMPTA).

Survey mark ÜZ-BWU03-I 17.1.48

If the OTS 320 is used for fire protection doors, EN 1154 for door closers with hydraulic damping should be observed.

Range of application

Size 2* = Door leaf width up to 850 mm

Size 3* = Door leaf width up to 950 mm

Size 4* = Door leaf width up to 1100 mm

* Sizes according to DIN EN 1154

Technical description

- Door opening angle 180°.
- Controlled closing from any opening angle.
- Protection against forced operation via security valve.
- Optional integrated hold open function adjustable for door opening angles from approx. 70° to 150° (not allowed for fire protection doors).

Ordering references

OTS 320, size 2 - 4	Colour	Order number
Standard arm	silver colour	K-15712-00-0-1
	dark bronze	K-15712-00-0-5
	white (RAL 9016)	K-15712-00-0-7
Hold open arm	silver colour	K-15713-00-0-1
	dark bronze	K-15713-00-0-5
	white (RAL 9016)	K-15713-00-0-7
Mounting plate with DIN hole pattern (only for sizes 3 and 4)	silver colour	K-15714-00-0-1
	dark bronze	K-15714-00-0-5
	white (RAL 9016)	K-15714-00-0-7

Overhead rack and pinion door closer with scissor action arms



Advantages

- One door closer size for a closing force range from 2 to 5 (according to EN 1154) = 15-40 Nm.
- Closing power adjustable (2 - 5) from the side, no displacement of closer body.
- Easy fixing on timber, PVC, tubular frame aluminium or steel doors.
- Valve adjustment from the front
 - control of closing speed
 - control of latching power
 Both functions as standard.
- Smartly shaped casing – compact styling.

Application

- The OTS 440 is suitable for rebated timber, PVC and tubular frame aluminium or steel doors.
- Left or right hand use. Standard mounting on hinge side, transom mounting opposite to hinge side. Suitable for door leaf widths up to 1250 mm.
- Standard mounting on hinge side, transom mounting opposite to hinge side.

Technical description

- Door opening angle 180°.
- Controlled closing from any opening angle.
- Protection against forced operation via security valve.
- Optional integrated hold open function adjustable for door opening angles from approx. 70° to 150°.

Ordering references

OTS 440, size 2 - 5	Colour	Order number
Standard arm	silver colour	K-16545-00-0-1
	dark bronze	K-16545-00-0-5
	white (RAL 9016)	K-16545-00-0-7
Hold open arm	silver colour	K-16546-00-0-1
	dark bronze	K-16546-00-0-5
	white (RAL 9016)	K-16546-00-0-7
Mounting plate with DIN hole pattern	silver colour	K-16547-00-0-1
	dark bronze	K-16547-00-0-5
	white (RAL 9016)	K-16547-00-0-7

Overhead rack and pinion door closer with scissor action arms to DIN EN 1154



Advantages

- One door closer size for a closing force range from 2 to 6 = 15-60 Nm.
- Closing force adjustable (2 - 6) from the side
- Mounting plate provided as standard allowing for efficient pre-mounting in the workshop.
- Identical hole pattern across the OTS range.
- Easy fixing on timber, PVC, tubular frame aluminium or steel doors by using the mounting plate with multi-fixing positions.
- Colour coded adjustment valves:
 - Closing speed – red valve
 - Latching power – yellow valve
 - Delayed action – blue valve
 - Backcheck – green valve
- All functions as standard. The valves are adjusted from the front – and also the latching power – without disconnecting the arms.
- Thematic valves provide consistent closing speed also with changes in temperature.
- Easy adjustment of upper arm.
- Easy mounting of screw-on plate due to fully detachable arm.

Technical description

- For door leaf widths up to 1400 mm.
- Left or right hand use.
- Standard and transom mounting.
- Door opening angle 180°.
- Controlled closing from any opening angle.
- Protection against forced operation via security valve.
- Smartly shaped cover with concealed security fixing in a choice of colours.
- Needle bearing axle.

Ordering references

OTS 530, size 2 - 6	Colour	Order number
Standard arm	silver colour	K-13346-00-0-1
	dark bronze	K-13346-00-0-5
	white (RAL 9016)	K-13346-00-0-7
	brass colour	K-13346-00-0-3
	inox colour	K-13346-00-0-8
Hold open arm	silver colour	K-13347-00-0-1
	dark bronze	K-13347-00-0-5
	white (RAL 9016)	K-13347-00-0-7
	brass colour	K-13347-00-0-3
	inox colour	K-13347-00-0-8



Tested and quality surveyed by the research and materials testing institute Stuttgart (FMPA).

Survey mark ÜZ-BWU03-I 17.1.48

If the OTS 530 is used for fire protection doors, EN 1154 for door closers with hydraulic damping should be observed.

Overhead linear drive door closer with slide channel



Advantages

- One door closer size for a closing force range from 1 to 4 (according to EN 1154) = 9 - 26 Nm.
- Mounting plate provided as standard allowing for efficient pre-mounting in the workshop.
- Identical hole pattern across the OTS range.
- Easy fixing on timber, PVC, tubular frame aluminium or steel doors by using the mounting plate with multi-fixing positions.
- Colour coded adjustment valves:
Closing speed – red valve
Latching power – yellow valve
All functions as standard.
Valve adjustment from the front.
- Thermatic valves provide consistent closing speed also with changes in temperature.
- Easy mounting of slide channel in mounting bar.
- Little friction of slide arm in slide channel due to a roller.

Technical Description

- For door leaf widths up to 1100 mm.
- Left or right hand use.
- Door opening angle 180°.
- Controlled closing from any opening angle.
- Protection against forced operation via security valve.
- Smartly shaped cover in a choice of colours.
- With new, self-centering snap fastener to fix the cover.
- Needle bearing axle.
- Standard mounting on hinge side, transom mounting opposite to hinge side; also standard mounting opposite to hinge side and transom mounting on hinge side.

Ordering references

OTS 630, size 1 - 4	Colour	Order number
Slide channel	silver colour	K-14068-00-0-1
	dark bronze	K-14068-00-0-5
	white (RAL 9016)	K-14068-00-0-7
	brass colour	K-14068-00-0-3
	inox colour	K-14068-00-0-8
Mechanical hold open device	silver colour	K-14070-00-0-1
	dark bronze	K-14070-00-0-5
	white (RAL 9016)	K-14070-00-0-7
	brass colour	K-14070-00-0-3
	inox colour	K-14070-00-0-8

Overhead linear drive door closer with slide channel to DIN EN 1154



Advantages

- The door closer OTS 730 is tested and quality surveyed to DIN EN 1154.
- One door closer size for a closing force range from 3 to 6 = 18 - 60 Nm.
The OTS 730 may be used with :
 - Fire protected doors to DIN 18 082
 - Smoke protected doors to DIN 18 095
 - smoke protected doors licensed by the construction control board, provided the licence notice allows the use of door closers to DIN EN 1154.
- Mounting plate provided as standard allowing for efficient pre-mounting in the workshop.
- Identical hole pattern across the OTS range.
- Easy fixing on timber, PVC, tubular frame aluminium or steel doors by using the mounting plate with multi-fixing positions.
- Colour coded adjustment valves:
 - Closing speed – red valve
 - Latching power – yellow valve
 - Backcheck – green valve
 All functions as standard. The valves are adjusted from the front.
- Thermatic valves provide consistent closing speed also with changes in temperature.
- Easy mounting of slide channel in mounting bar.
- Little friction of slide arm in slide channel due to a roller.

Technical Description

- For door leaf widths up to 1400 mm.
- Left or right hand use.
- Door opening angle 180°.
- Controlled closing from any opening angle.
- Protection against forced operation via security valve.
- Smartly shaped cover in a choice of colours.
- With new, self-centering snap fastener to fix the cover.
- Needle bearing axle.
- Standard mounting to DIN EN 1154.
- Transom mounting opposite to hinge side; standard mounting opposite to hinge side and transom mounting on hinge side only possible, if the fire protection door is licensed for this type of mounting.

Ordering references

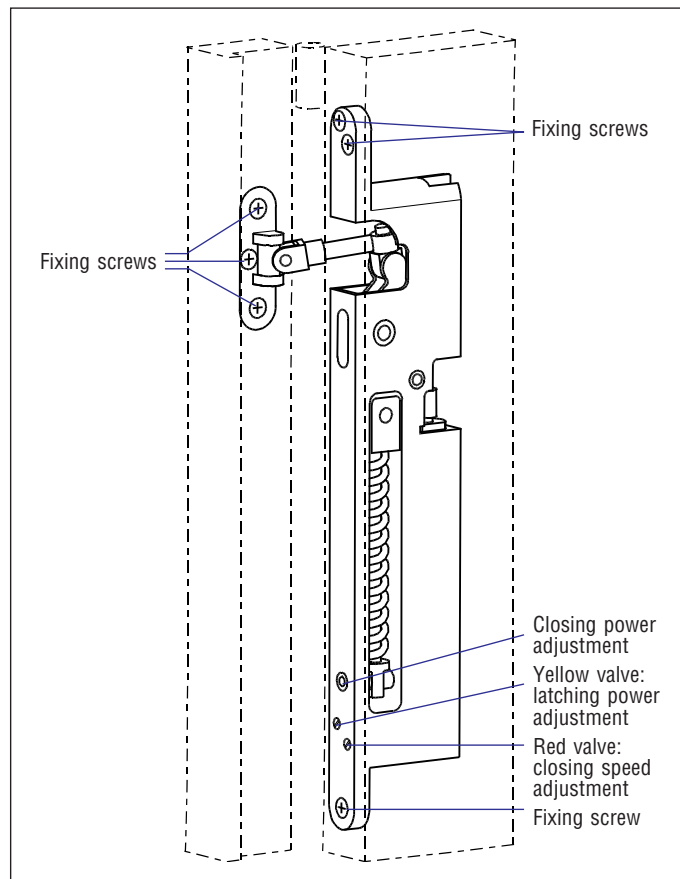
OTS 730, size 3 - 6	Colour	Order number
Slide channel	silver colour	K-13429-00-0-1
	dark bronze	K-13429-00-0-5
	white (RAL 9016)	K-13429-00-0-7
	brass colour	K-13429-00-0-3
	inox colour	K-13429-00-0-8
Mechanical hold open device	silver colour	K-13484-00-0-1
	dark bronze	K-13484-00-0-5
	white (RAL 9016)	K-13484-00-0-7
	brass colour	K-13484-00-0-3
	inox colour	K-13484-00-0-8



Tested and quality surveyed by the research and materials testing institute Stuttgart (FMPA).
Survey mark ÜZ-BWU 03-I 17.1.19.

If the OTS 730 is used for fire protection doors, EN 1154 for door closers with controlled closing should be observed.

for concealed installation in the vertical door rebate

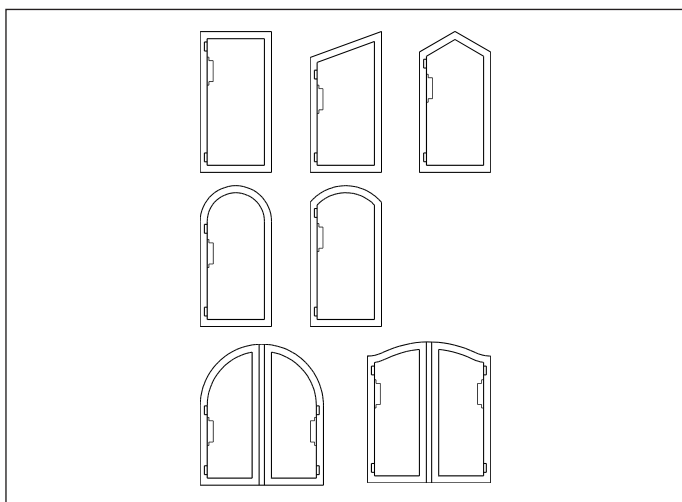


Advantages

- Concealed installation – no fittings in the way
- Neat appearance of the door – the closer is "invisible".
- Universal application for all door types including arched doors (round, segmental, lancet).
- For timber, PVC and metal doors.
- All functions adjustable from the front: closing force, closing speed (stepless), door latching from 7° approx.
- Colour coded adjustment valves:
 - Closing speed – red valve
 - Latching power – yellow valve
- Thermatic valves provide consistent closing speed also with changes in temperature.

Technical description

- Max. width of door leaf:
 - FTS 20 1100 mm
 - FTS 24 1250 mm
- High closing pressure in closed position.
- Easy opening of the door due to decreasing opening resistance
- High efficiency due to needle bearing in the pivots.
- Safety valve in closer.
- Vertical installation below the top door hinge.
- Left or right hand use.
- Suitable for flush and rebated doors.
- Anodized aluminium body, linkage arm galvanized steel.



Ordering references

Description	Order number
Rebate door closer FTS 20	K-15144-00-0-0
■ Min. door leaf thickness	30 mm
■ Max. door weight	80 kg
■ Closing force	5 - 18 Nm
Rebate door closer FTS 24	K-15145-00-0-0
■ Min. door leaf thickness	40 mm
■ Max. door weight	140 kg
■ Closing force	12 - 30 Nm

Overhead Door Closer OTS 730 with Door Selector



Overhead linear drive door closer, door selector integrated in slide channel

Mounting on hinge side

Version	Product group	Article Ref.		
		OTS 730	SRI 730	BMZ
		2 pieces	1 piece	1 piece
OTS 730 SRI	Slide channel Total leaf width 1380-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14602-00-0-* K-14602-00-0-3 K-14602-00-0-8	
PJ				
OTS 730 SRI	Slide channel Total leaf width 1180-1380 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14607-00-0-* K-14607-00-0-3 K-14607-00-0-8	
PJ				
OTS 730 FE-SRI	Electromechanical hold open device in active leaf Total leaf width 1380-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14603-00-0-* K-14603-00-0-3 K-14603-00-0-8	
PJ				
OTS 730 FE-SRI	Electromechanical hold open on both sides Total leaf width 1380-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14604-00-0-* K-14604-00-0-3 K-14604-00-0-8	
PJ				
OTS 730 FE-SRI	Electromechanical hold open device in active leaf Total leaf width 1180-1380 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14608-00-0-* K-14608-00-0-3 K-14608-00-0-8	
PJ				
OTS 730 FE-SRI	Electromechanical hold open on both sides Total leaf width 1180-1380 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14609-00-0-* K-14609-00-0-3 K-14609-00-0-8	
PJ				
OTS 730 FER-SRI	Electromechanical hold open arrangement on both sides Total leaf width 1686-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14605-00-0-* K-14605-00-0-3 K-14605-00-0-8	K-14084-00-0-* K-14084-00-0-3 K-14084-00-0-8
PJ				
OTS 730 FER-SRI	Electromechanical hold open arrangement in active leaf Total leaf width 1686-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14606-00-0-* K-14606-00-0-3 K-14606-00-0-8	K-14084-00-0-* K-14084-00-0-3 K-14084-00-0-8
PJ				

-* = finish silver colour, dark bronze and white (RAL 9016)

-3 = brass colour

-8 = finish inox colour

Overhead Door Closer OTS 730 with Door Selector



Overhead linear drive door closer, door selector integrated in slide channel

** BG = Mounting of door selector opposite to hinges

Version	Product group	Article Ref.		
		OTS 730	SRI 730	BMZ
		2 pieces	1 piece	1 piece
OTS 730 SRI BG**	Slide channel Total leaf width 1700-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14610-00-0-* K-14610-00-0-3 K-14610-00-0-8	
PJ				
OTS 730 FE-SRI BG**	Electromechanical hold open device in active leaf Total leaf width 1700-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14611-00-0-* K-14611-00-0-3 K-14611-00-0-8	
PJ				
OTS 730 FE-SRI BG**	Electromechanical hold open on both sides Total leaf width 1700-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14612-00-0-* K-14612-00-0-3 K-14612-00-0-8	
PJ				
OTS 730 FER-SRI BG**	Electromechanical hold open arrangement on both sides Total leaf width 2010-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14613-00-0-* K-14613-00-0-3 K-14613-00-0-8	K-14084-00-0-* K-14084-00-0-3 K-14084-00-0-8
PJ				
OTS 730 FER-SRI BG**	Electromechanical hold open arrangement in active leaf Total leaf width 2010-2800 mm	K-13688-00-0-* K-13688-00-0-3 K-13688-00-0-8	K-14614-00-0-* K-14614-00-0-3 K-14614-00-0-8	K-14084-00-0-* K-14084-00-0-3 K-14084-00-0-8
PJ				

** BG = Mounting of door selector opposite to hinges

-* = finish silver colour, dark bronze and white (RAL 9016)

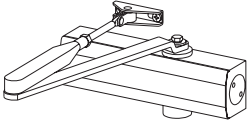
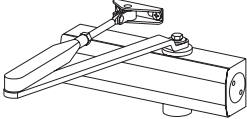
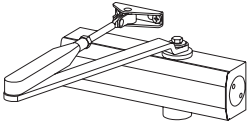
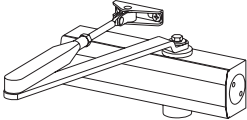
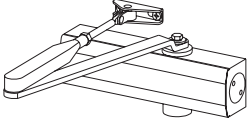
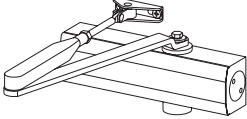
-3 = brass colour -8 = finish inox colour

Overhead Door Closers OTS 210, OTS 320, OTS 440



Overhead rack and pinion door closer with standard arm

OTS 210, OTS 320, OTS 440

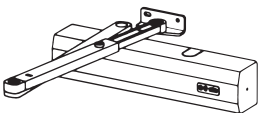
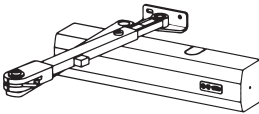
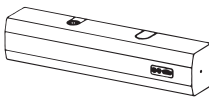
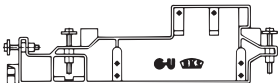
Figure	Version	Surface finish	Article Ref.
Product group			
	OTS 210 Standard arm	silver colour	K-15710-00-0-1
		dark bronze col.	K-15710-00-0-5
		white	K-15710-00-0-7
PU 	OTS 210 Hold open arm	silver colour	K-15711-00-0-1
		dark bronze col.	K-15711-00-0-5
		white	K-15711-00-0-7
PU 	OTS 320 Standard arm	silver colour	K-15712-00-0-1
		dark bronze col.	K-15712-00-0-5
		white	K-15712-00-0-7
PT 	OTS 320 Hold open arm	silver colour	K-15713-00-0-1
		dark bronze col.	K-15713-00-0-5
		white	K-15713-00-0-7
PT 	OTS 440 Standard arm	silver colour	K-16545-00-0-1
		dark bronze col.	K-16545-00-0-5
		white	K-16545-00-0-7
PF 	OTS 440 Hold open arm	silver colour	K-16546-00-0-1
		dark bronze col.	K-16546-00-0-5
		white	K-16546-00-0-7
PF			

Overhead Door Closer OTS 530



Overhead rack and pinion door closer with standard arm

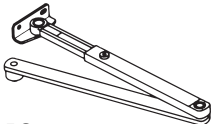
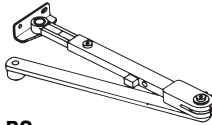
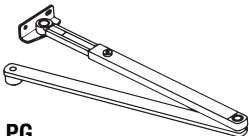
OTS 530

Figure Product group	Version	Surface finish	Article Ref.
	OTS 530 Standard arm	silver colour	K-13346-00-0-1
		dark bronze col.	K-13346-00-0-5
		white	K-13346-00-0-7
		brass colour	K-13346-00-0-3
		inox colour *	K-13346-00-0-8
PG 	OTS 530 MF-EA Hold open arm switchable on/off	silver colour	K-13347-00-0-1
		dark bronze col.	K-13347-00-0-5
		white	K-13347-00-0-7
		brass colour	K-13347-00-0-3
		inox colour *	K-13347-00-0-8
PG 	OTS 530 without arm	silver colour	K-13687-00-0-1
		dark bronze col.	K-13687-00-0-5
		white	K-13687-00-0-7
		brass colour	K-13687-00-0-3
		inox colour *	K-13687-00-0-8
PG 	Drilling template		6-25957-00-0-0

PI

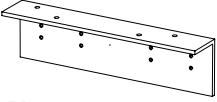
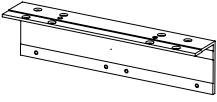
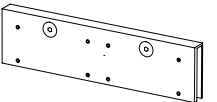
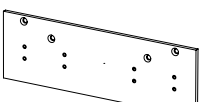
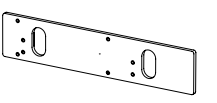
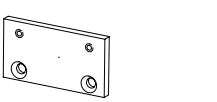
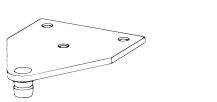


Arms for overhead door closers

OTS 530

Figure Product group	Version	Surface finish	Article Ref.
	Standard arm	silver colour	K-13488-00-0-1
		dark bronze col.	K-13488-00-0-5
		white	K-13488-00-0-7
		inox colour *	K-13488-00-0-8
		brass colour	K-13488-00-0-3
PG 	Hold open arm switchable on/off	silver colour	K-13489-00-0-1
		dark bronze col.	K-13489-00-0-5
		white	K-13489-00-0-7
		inox colour *	K-13489-00-0-8
		brass colour	K-13489-00-0-3
PG 	Extended arm	silver colour	K-13771-00-0-1
		dark bronze col.	K-13771-00-0-5
		white	K-13771-00-0-7
		inox colour *	K-13771-00-0-8
		brass colour	K-13771-00-0-3

The use of slide channels is only possible under special conditions.

Accessories for overhead door closer OTS 530

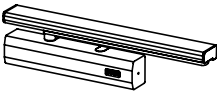
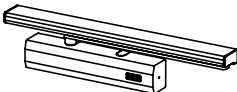
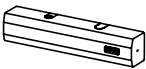
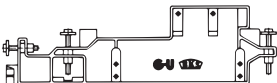

Figure Product group	Version	Surface finish	Article Ref.	
 PI	Angular soffit bracket	silver colour	K-13772-00-0-1	
		dark bronze col.	K-13772-00-0-5	
		white	K-13772-00-0-7	
		black	K-13772-00-0-6	
		brass colour	K-13772-00-0-3	
 PI	Combined angular bracket	silver colour	K-14551-00-0-1	
		dark bronze col.	K-14551-00-0-5	
		white	K-14551-00-0-7	
		black	K-14551-00-0-6	
		brass colour	K-14551-00-0-3	
 PI	Clamping bracket All glass doors	silver colour	K-13773-00-0-1	
		dark bronze col.	K-13773-00-0-5	
		white	K-13773-00-0-7	
		black	K-13773-00-0-6	
		brass colour	K-13773-00-0-3	
 PI	Flat bracket Segmental arch head doors	silver colour	K-13752-00-0-1	
		dark bronze col.	K-13752-00-0-5	
		white	K-13752-00-0-7	
		black	K-13752-00-0-6	
		brass colour	K-13752-00-0-3	
 PI	Weld on plate Steel doors		K-14454-00-0-9	
 PI	Base plate	silver colour	K-14215-00-0-1	
		dark bronze col.	K-14215-00-0-5	
		white	K-14215-00-0-7	
		black	K-14215-00-0-6	
		brass colour	K-14215-00-0-3	
 PI	Screw-on bracket Parallel arm assembly	silver colour	K-14114-00-0-1	
		dark bronze col.	K-14114-00-0-5	
		white	K-14114-00-0-7	
		black	K-14114-00-0-6	
		brass colour	K-14114-00-0-3	
 PI	Axle extension	5 mm	black	K-13490-05-0-6
		10 mm	black	K-13490-10-0-6
		15 mm	black	K-13490-15-0-6
		20 mm	black	K-13490-20-0-6
 PI	Safety screw for caps 10 pieces per bag		K-14451-00-0-1	

Overhead Door Closer OTS 630



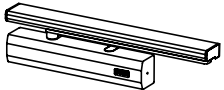
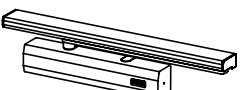
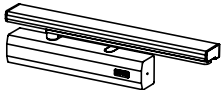
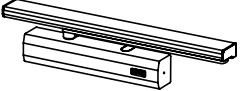
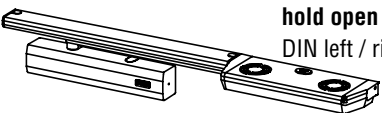
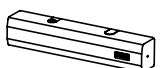
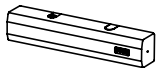
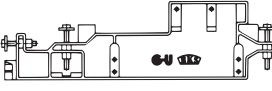
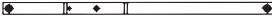
Overhead linear drive door closer with slide channel

OTS 630

Figure	Version	Surface finish	Article Ref.
Product group			
	OTS 630 Slide channel	silver colour	K-14068-00-0-1
		dark bronze col.	K-14068-00-0-5
		white	K-14068-00-0-7
		brass colour	K-14068-00-0-3
		inox colour *	K-14068-00-0-8
PL			
	OTS 630 MF-EA Mechanical hold open device switchable on/off	silver colour	K-14070-00-0-1
		dark bronze col.	K-14070-00-0-5
		white	K-14070-00-0-7
		brass colour	K-14070-00-0-3
		inox colour *	K-14070-00-0-8
PL			
	OTS 630 without slide channel	silver colour	K-14071-00-0-1
		dark bronze col.	K-14071-00-0-5
		white	K-14071-00-0-7
		brass colour	K-14071-00-0-3
		inox colour *	K-14071-00-0-8
PL			
	Drilling template		6-25957-00-0-0
PI			
	Additional drilling template		6-26072-00-0-0
PI			

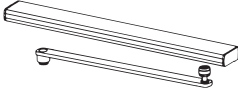




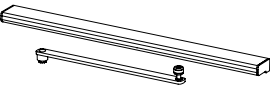
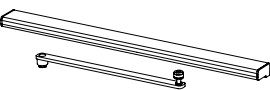



Overhead linear drive door closer with slide channel

OTS 730

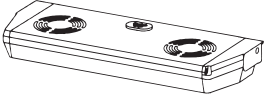

Figure	Version	Surface finish	Article Ref.	Article Ref.
Product group				
	OTS 730 Slide channel	silver colour		K-13429-00-0-1
		dark bronze col.		K-13429-00-0-5
		white		K-13429-00-0-7
		brass colour		K-13429-00-0-3
		inox colour *		K-13429-00-0-8
PH				
	OTS 730 MF-EA Mechanical hold open device switchable on/off	silver colour		K-13484-00-0-1
		dark bronze col.		K-13484-00-0-5
		white		K-13484-00-0-7
		brass colour		K-13484-00-0-3
		inox colour *		K-13484-00-0-8
PH				
	OTS 730 SV with delayed closing action Slide channel	silver colour		K-14745-00-0-1
		dark bronze col.		K-14745-00-0-5
		white		K-14745-00-0-7
		brass colour		K-14745-00-0-3
		inox colour *		K-14745-00-0-8
PH				
	OTS 730 FE Electromechanical Electromechanical hold open device	silver colour		K-13896-00-0-1
		dark bronze col.		K-13896-00-0-5
		white		K-13896-00-0-7
		brass colour		K-13896-00-0-3
		inox colour *		K-13896-00-0-8
PJ				
	OTS 730 FER Electromechanical hold open arrangement DIN left / right hand	silver colour	K-14092-00-L-1	K-14092-00-R-1
		dark bronze col.	K-14092-00-L-5	K-14092-00-R-5
		white	K-14092-00-L-7	K-14092-00-R-7
		brass colour	K-14092-00-L-3	K-14092-00-R-3
		inox colour *	K-14092-00-L-8	K-14092-00-R-8
PJ				
	OTS 730 without slide channel	silver colour		K-13688-00-0-1
		dark bronze col.		K-13688-00-0-5
		white		K-13688-00-0-7
		brass colour		K-13688-00-0-3
		inox colour *		K-13688-00-0-8
PH				
	OTS 730 SV with delayed closing action without slide channel	silver colour		K-14746-00-0-1
		dark bronze col.		K-14746-00-0-5
		white		K-14746-00-0-7
		brass colour		K-14746-00-0-3
		inox colour *		K-14746-00-0-8
PH				
	Drilling template			6-25957-00-0-0
PI				
	Additional drilling template			6-26072-00-0-0
PI				

Slide channels for overhead door closer

OTS 630, OTS 730

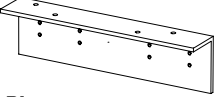
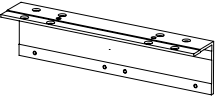
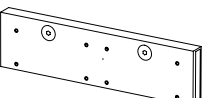

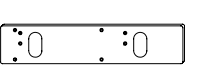
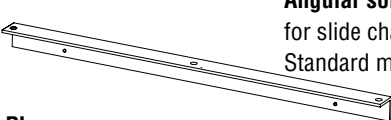
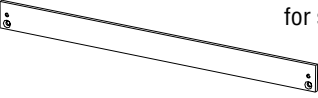
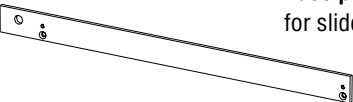
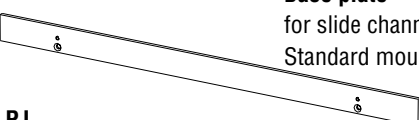
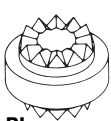


Figure	Version	Surface finish	Article Ref.
Product group			
 PH	Slide channel with slide arm	silver colour	K-13485-00-0-1
		dark bronze col.	K-13485-00-0-5
		white	K-13485-00-0-7
		inox colour *	K-13485-00-0-8
		brass colour	K-13485-00-0-3
 PH	Slide channel with slide arm MF-EA Mechanical hold open device switchable on/off	silver colour	K-13487-00-0-1
		dark bronze col.	K-13487-00-0-5
		white	K-13487-00-0-7
		inox colour *	K-13487-00-0-8
		brass colour	K-13487-00-0-3
 PH	Slide channel with slide arm for subsequent mounting of Mechanical hold open device switchable on/off	silver colour	K-14850-00-0-1
		dark bronze col.	K-14850-00-0-5
		white	K-14850-00-0-7
		inox colour *	K-14850-00-0-8
		brass colour	K-14850-00-0-3
 PH	Mechanical hold open device switchable on/off		6-26497-00-0-0
 PJ	Slide channel with slide arm Electromechanical Electromechanical hold open device	silver colour	K-13897-00-0-1
		dark bronze col.	K-13897-00-0-5
		white	K-13897-00-0-7
		inox colour *	K-13897-00-0-8
		brass colour	K-13897-00-0-3
 PH	Slide channel with slide arm Standard mounting opposite to hinge side	silver colour	K-14271-00-0-1
		dark bronze col.	K-14271-00-0-5
		white	K-14271-00-0-7
		inox colour *	K-14271-00-0-8
		brass colour	K-14271-00-0-3
 PH	Slide channel with slide arm MF-EA Mechanical hold open device switchable on/off Standard mounting opposite to hinge side	silver colour	K-14273-00-0-1
		dark bronze col.	K-14273-00-0-5
		white	K-14273-00-0-7
		inox colour *	K-14273-00-0-8
		brass colour	K-14273-00-0-3
 PH	Flat slide channel with slide arm (depth 27 mm)	silver colour	K-14519-00-0-1
		dark bronze col.	K-14519-00-0-5
		white	K-14519-00-0-7
		inox colour *	K-14519-00-0-8
		brass colour	K-14519-00-0-3
 PH	Flat slide channel with slide arm Mechanical hold open device (depth 27 mm)	silver colour	K-14520-00-0-1
		dark bronze col.	K-14520-00-0-5
		white	K-14520-00-0-7
		inox colour *	K-14520-00-0-8
		brass colour	K-14520-00-0-3
 PH	Hold open device for flat slide channel		K-14525-00-0-0

Fire alarm centre line and accessories

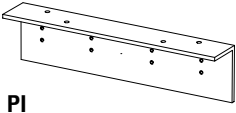
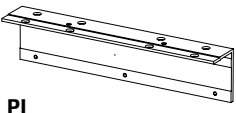
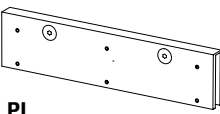
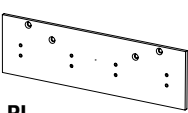
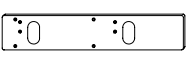
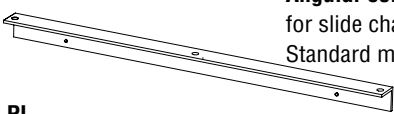
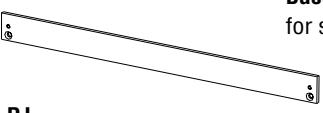
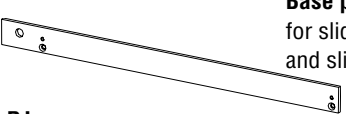
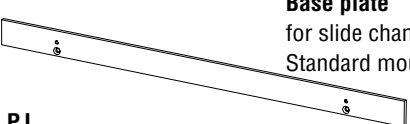
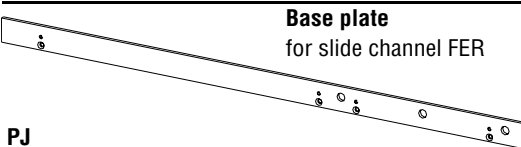
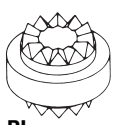


Figure	Version	Surface finish	Article Ref.
	BMZ 730 Fire alarm centre line for door control (licensed by construction control board Licence Number Z-6.5-1371)	silver colour	K-14084-00-0-1
		dark bronze col.	K-14084-00-0-5
		white	K-14084-00-0-7
		black	K-14084-00-0-6
		brass colour	K-14084-00-0-3
		inox colour *	K-14084-00-0-8
PJ	BM A 880 Stray light smoke detector f. ceiling mount. Locking socket BM A 880	white	K-14129-00-0-0
		white	K-14130-00-0-0
PJ			

Additional accessories for hold open arrangements: pages 23 and 24

Accessories for overhead door closer OTS 630

Figure Product group	Version	Surface finish	Article Ref.
 PI	Angular soffit bracket	silver colour	K-13772-00-0-1
		dark bronze col.	K-13772-00-0-5
		white	K-13772-00-0-7
		black	K-13772-00-0-6
		brass colour	K-13772-00-0-3
 PI	Combined angular bracket	silver colour	K-14551-00-0-1
		dark bronze col.	K-14551-00-0-5
		white	K-14551-00-0-7
		black	K-14551-00-0-6
		brass colour	K-14551-00-0-3
 PI	Clamping bracket All glass doors	silver colour	K-13773-00-0-1
		dark bronze col.	K-13773-00-0-5
		white	K-13773-00-0-7
		black	K-13773-00-0-6
		brass colour	K-13773-00-0-3
 PI	Flat bracket Segmental arch head doors	silver colour	K-13752-00-0-1
		dark bronze col.	K-13752-00-0-5
		white	K-13752-00-0-7
		black	K-13752-00-0-6
		brass colour	K-13752-00-0-3
 PI	Weld on plate Steel doors		K-14454-00-0-9
 PI	Angular soffit bracket for slide channel Standard mounting opposite to hinge side	silver colour	K-14296-00-0-1
		dark bronze col.	K-14296-00-0-5
		white	K-14296-00-0-7
		black	K-14296-00-0-6
		brass colour	K-14296-00-0-3
 PJ	Base plate for slide channel	silver colour	K-15080-00-0-1
		dark bronze col.	K-15080-00-0-5
		white	K-15080-00-0-7
 PJ	Base plate for slide channel MF-EA	silver colour	K-15081-00-0-1
		dark bronze col.	K-15081-00-0-5
		white	K-15081-00-0-7
 PJ	Base plate for slide channel Standard mounting opposite to hinge side	silver colour	K-15082-00-0-1
		dark bronze col.	K-15082-00-0-5
		white	K-15082-00-0-7
 PI	Axle extension	5 mm	black K-13490-05-0-6
		10 mm	black K-13490-10-0-6
		15 mm	black K-13490-15-0-6
		20 mm	black K-13490-20-0-6
 PI	Safety screw for caps 10 pieces per bag		K-14451-00-0-1
 PI	Slide channel stop		K-14553-00-0-6

Accessories for overhead door closer OTS 730

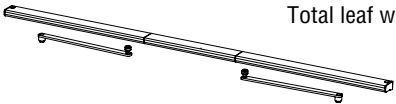
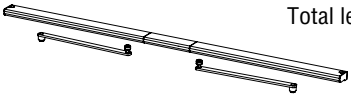
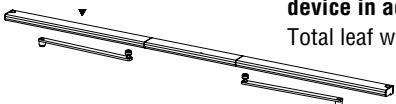
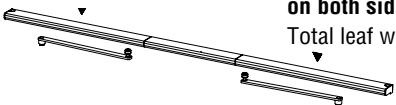
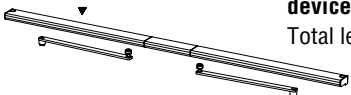
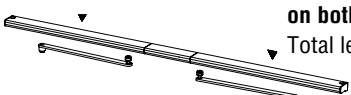
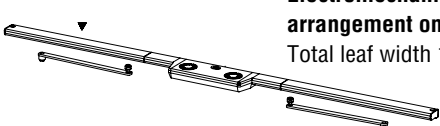
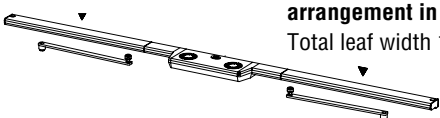
Figure Product group	Version	Surface finish	Article Ref.
 PI	Angular soffit bracket	silver colour	K-13873-00-0-1
		dark bronze col.	K-13873-00-0-5
		white	K-13873-00-0-7
		black	K-13873-00-0-6
		brass colour	K-13873-00-0-3
 PI	Combined angular bracket	silver colour	K-14552-00-0-1
		dark bronze col.	K-14552-00-0-5
		white	K-14552-00-0-7
		black	K-14552-00-0-6
		brass colour	K-14552-00-0-3
 PI	Clamping bracket All glass doors	silver colour	K-13981-00-0-1
		dark bronze col.	K-13981-00-0-5
		white	K-13981-00-0-7
		black	K-13981-00-0-6
		brass colour	K-13981-00-0-3
 PI	Flat bracket Segmental arch head doors	silver colour	K-13874-00-0-1
		dark bronze col.	K-13874-00-0-5
		white	K-13874-00-0-7
		black	K-13874-00-0-6
		brass colour	K-13874-00-0-3
 PI	Weld on plate Steel doors		K-14455-00-0-9
 PI	Angular soffit bracket for slide channel Standard mounting opposite to hinge side	silver colour	K-14296-00-0-1
		dark bronze col.	K-14296-00-0-5
		white	K-14296-00-0-7
		black	K-14296-00-0-6
		brass colour	K-14296-00-0-3
 PJ	Base plate for slide channel	silver colour	K-15080-00-0-1
		dark bronze col.	K-15080-00-0-5
		white	K-15080-00-0-7
 PJ	Base plate for slide channel MF-EA and slide channel FE	silver colour	K-15081-00-0-1
		dark bronze col.	K-15081-00-0-5
		white	K-15081-00-0-7
 PJ	Base plate for slide channel Standard mounting opposite to hinge side	silver colour	K-15082-00-0-1
		dark bronze col.	K-15082-00-0-5
		white	K-15082-00-0-7
 PJ	Base plate for slide channel FER	silver colour	K-15083-00-0-1
		dark bronze col.	K-15083-00-0-5
		white	K-15083-00-0-7
 PI	Axle extension 5 mm 10 mm 15 mm 20 mm	black	K-13490-05-0-6
		black	K-13490-10-0-6
		black	K-13490-15-0-6
		black	K-13490-20-0-6
			K-14451-00-0-1
 PI	Safety screw for caps 10 pieces per bag		
 PI	Slide channel stop		K-14553-00-0-6

Door Selector OTS 730



Door selector, integrated in slide channel, for overhead linear drive door closer

OTS 730 SRI

Figure Product group	Version	Surface finish	Article Ref.		
	OTS 730 SRI Slide channel Total leaf width 1380-2800 mm	silver colour	K-14602-00-0-1		
		dark bronze col.	K-14602-00-0-5		
		white	K-14602-00-0-7		
		black	K-14602-00-0-6		
		brass colour	K-14602-00-0-3		
		inox colour *	K-14602-00-0-8		
			OTS 730 SRI Slide channel Total leaf width 1180-1380 mm	silver colour	K-14607-00-0-1
				dark bronze col.	K-14607-00-0-5
white	K-14607-00-0-7				
black	K-14607-00-0-6				
brass colour	K-14607-00-0-3				
inox colour *	K-14607-00-0-8				
	OTS 730 FE-SRI Electromechanical hold open device in active leaf Total leaf width 1380-2800 mm			silver colour	K-14603-00-0-1
				dark bronze col.	K-14603-00-0-5
		white	K-14603-00-0-7		
		black	K-14603-00-0-6		
		brass colour	K-14603-00-0-3		
		inox colour *	K-14603-00-0-8		
			OTS 730 FE-SRI Electromechanical hold open on both sides Total leaf width 1380-2800 mm	silver colour	K-14604-00-0-1
				dark bronze col.	K-14604-00-0-5
white	K-14604-00-0-7				
black	K-14604-00-0-6				
brass colour	K-14604-00-0-3				
inox colour *	K-14604-00-0-8				
	OTS 730 FE-SRI Electromechanical hold open device in active leaf Total leaf width 1180-1380 mm			silver colour	K-14608-00-0-1
				dark bronze col.	K-14608-00-0-5
		white	K-14608-00-0-7		
		black	K-14608-00-0-6		
		brass colour	K-14608-00-0-3		
		inox colour *	K-14608-00-0-8		
			OTS 730 FE-SRI Electromechanical hold open on both sides Total leaf width 1180-1380 mm	silver colour	K-14609-00-0-1
				dark bronze col.	K-14609-00-0-5
white	K-14609-00-0-7				
black	K-14609-00-0-6				
brass colour	K-14609-00-0-3				
inox colour *	K-14609-00-0-8				
	OTS 730 FER-SRI Electromechanical hold open arrangement on both sides Total leaf width 1686-2800 mm			silver colour	K-14605-00-0-1
				dark bronze col.	K-14605-00-0-5
		white	K-14605-00-0-7		
		black	K-14605-00-0-6		
		brass colour	K-14605-00-0-3		
		inox colour *	K-14605-00-0-8		
			OTS 730 FER-SRI Electromechanical hold open arrangement in active leaf Total leaf width 1686-2800 mm	silver colour	K-14606-00-0-1
				dark bronze col.	K-14606-00-0-5
white	K-14606-00-0-7				
black	K-14606-00-0-6				
brass colour	K-14606-00-0-3				
inox colour *	K-14606-00-0-8				

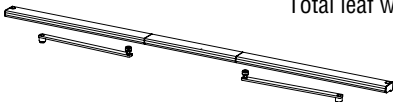
PJ

Door Selector OTS 730, Rebate Door Closer FTS

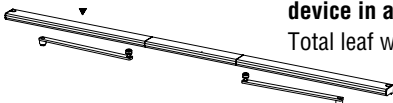


Door selector, integrated in slide channel, for overhead linear drive door closer

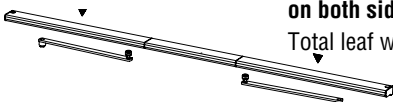
OTS 730 SRI BG **

Figure	Version	Surface finish	Article Ref.
Product group			
	OTS 730 SRI BG **	silver colour	K-14610-00-0-1
	Slide channel	dark bronze col.	K-14610-00-0-5
	Total leaf width 1700-2800 mm	white	K-14610-00-0-7
		black	K-14610-00-0-6
		brass colour	K-14610-00-0-3
		inox colour *	K-14610-00-0-8

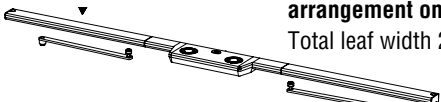
PJ

	OTS 730 FE-SRI BG **	silver colour	K-14611-00-0-1
	Electromechanical hold open device in active leaf	dark bronze col.	K-14611-00-0-5
	Total leaf width 1700-2800 mm	white	K-14611-00-0-7
		black	K-14611-00-0-6
		brass colour	K-14611-00-0-3
		inox colour *	K-14611-00-0-8

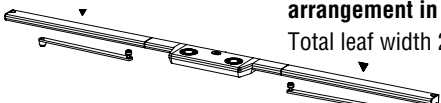
PJ

	OTS 730 FE-SRI BG **	silver colour	K-14612-00-0-1
	Electromechanical hold open on both sides	dark bronze col.	K-14612-00-0-5
	Total leaf width 1700-2800 mm	white	K-14612-00-0-7
		black	K-14612-00-0-6
		brass colour	K-14612-00-0-3
		inox colour *	K-14612-00-0-8

PJ

	OTS 730 FER-SRI BG **	silver colour	K-14613-00-0-1
	Electromechanical hold open arrangement on both sides	dark bronze col.	K-14613-00-0-5
	Total leaf width 2010-2800 mm	white	K-14613-00-0-7
		black	K-14613-00-0-6
		brass colour	K-14613-00-0-3
		inox colour *	K-14613-00-0-8

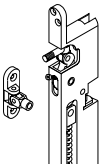
PJ

	OTS 730 FER-SRI BG **	silver colour	K-14614-00-0-1
	Electromechanical hold open arrangement in active leaf	dark bronze col.	K-14614-00-0-5
	Total leaf width 2010-2800 mm	white	K-14614-00-0-7
		black	K-14614-00-0-6
		brass colour	K-14614-00-0-3
		inox colour *	K-14614-00-0-8

PJ

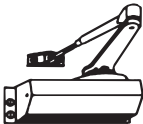
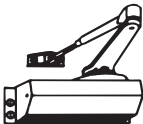
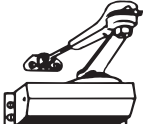
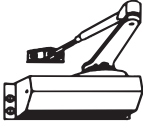
** BG = Mounting of door selector opposite to hinges

Rebate door closer FTS 20 and FTS 24
for concealed installation in the vertical door rebate


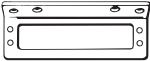
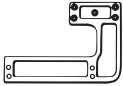
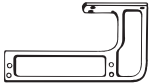




Figure	Version	Article Ref.
	Rebate door closer FTS 20	K-15144-00-0-0
	Rebate door closer 24	K-15145-00-0-0

PN

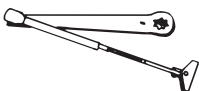
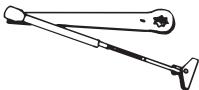
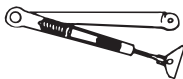
Flat form door closers OTS 81

Figure	Version	Size	Article Ref.	dark bronze col.	white
	OTS 81				
	Standard arm				
	DIN left hand	2	B 8121 0000	B 8121 0005	B 8121 0016
		3	B 8131 0000	B 8131 0005	B 8131 0016
		4	B 8141 0000	B 8141 0005	B 8141 0016
		5	B 8151 0000	B 8151 0005	B 8151 0016
	DIN right hand	2	B 8122 0000	B 8122 0005	B 8122 0016
		3	B 8132 0000	B 8132 0005	B 8132 0016
		4	B 8142 0000	B 8142 0005	B 8142 0016
		5	B 8152 0000	B 8152 0005	B 8152 0016
	OTS 81				
	Extended arm				
	DIN left hand	2	B 8121 0500	B 8121 0505	B 8121 0516
		3	B 8131 0500	B 8131 0505	B 8131 0516
		4	B 8141 0500	B 8141 0505	B 8141 0516
		5	B 8151 0500	B 8151 0505	B 8151 0516
	DIN right hand	2	B 8122 0500	B 8122 0505	B 8122 0516
		3	B 8132 0500	B 8132 0505	B 8132 0516
		4	B 8142 0500	B 8142 0505	B 8142 0516
		5	B 8152 0500	B 8152 0505	B 8152 0516
	OTS 81				
	Hold open arm				
	DIN left hand	2	B 8121 0200	B 8121 0205	B 8121 0216
		3	B 8131 0200	B 8131 0205	B 8131 0216
		4	B 8141 0200	B 8141 0205	B 8141 0216
		5	B 8151 0200	B 8151 0205	B 8151 0216
	DIN right hand	2	B 8122 0200	B 8122 0205	B 8122 0216
		3	B 8132 0200	B 8132 0205	B 8132 0216
		4	B 8142 0200	B 8142 0205	B 8142 0216
		5	B 8152 0200	B 8152 0205	B 8152 0216
	OTS 81				
	Standard arm, anti-corrosive version				
	DIN left hand	2	B 8121 0003	B 8121 0006	B 8121 0007
		3	B 8131 0003	B 8131 0006	B 8131 0007
		4	B 8141 0003	B 8141 0006	B 8141 0007
		5	B 8151 0003	B 8151 0006	B 8151 0007
	DIN right hand	2	B 8122 0003	B 8122 0006	B 8122 0007
		3	B 8132 0003	B 8132 0006	B 8132 0007
		4	B 8142 0003	B 8142 0006	B 8142 0007
		5	B 8152 0003	B 8152 0006	B 8152 0007





Accessories for platform door closers OTS 81

Figure	Version	Size	Article Ref.		
			silver colour	dark bronze col.	white
	Replacement spring	2	B 8110 0002		
		3	B 8110 0003		
		4	B 8110 0004		
		5	B 8110 0005		
	Angular soffit bracket 8170	2-4	B 8170 0000	B 8170 0005	B 8170 0006
		5	B 8170 0100	B 8170 0105	B 8170 0106
	Flat bracket 8171	2-4	B 8171 0000	B 8171 0005	B 8171 0006
		5	B 8171 0100	B 8171 0105	B 8171 0106
	Soffit bracket 8172	2-4	B 8172 0000	B 8172 0005	B 8172 0006
		5	B 8172 0100	B 8172 0105	B 8172 0106
	Mounting plate 8173	2-4	B 8173 0000	B 8173 0005	B 8173 0006
	Angular bracket 8174	2-5	B 8174 0000	B 8174 0005	B 8174 0006
	Parallel arm assembly				
	Base plate 8177	2-5	B 8177 0000	B 8177 0005	B 8177 0006
	Mounting plate 8178	3+4	B 8178 0000	B 8178 0005	B 8178 0006
		5	B 8178 0100	B 8178 0105	B 8178 0106




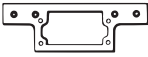


Arms for door closer OTS 81

Figure	Version	Size	Article Ref.		
			silver colour	dark bronze col.	white
	Standard arm	2-4	B 8083 0020	B 8083 0025	B 8083 0026
		5	B 8085 0020	B 8085 0025	B 8085 0026
	Extended arm	2-4	B 8183 0000	B 8183 0005	B 8183 0006
		5	B 8185 0000	B 8185 0005	B 8185 0006
	Hold open arm	2+3	B 8183 0200	B 8183 0205	B 8183 0206
		4	B 8184 0200	B 8184 0205	B 8184 0206
		5	B 8185 0200	B 8185 0205	B 8185 0206

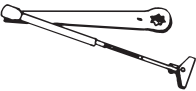

Door closer OTS 80

Figure	Version	Size	Article Ref. silver colour	dark bronze col.	
	OTS 80				
	Standard arm				
	DIN left hand	2		B 8021 0000	B 8021 0005
		3		B 8031 0000	B 8031 0005
		4		B 8041 0000	B 8041 0005
		5		B 8051 0000	B 8051 0005
		6		B 8061 0000	B 8061 0005
		DIN right hand	2		B 8022 0000
	3			B 8032 0000	B 8032 0005
	4			B 8042 0000	B 8042 0005
	5			B 8052 0000	B 8052 0005
	6			B 8062 0000	B 8062 0005
	OTS 80				
	Extended arm				
	DIN left hand	2		B 8021 0500	B 8021 0505
		3		B 8031 0500	B 8031 0505
		4		B 8041 0500	B 8041 0505
		5		B 8051 0500	B 8051 0505
		6		B 8061 0500	B 8061 0505
		DIN right hand	2		B 8022 0500
	3			B 8032 0500	B 8032 0505
	4			B 8042 0500	B 8042 0505
	5			B 8052 0500	B 8052 0505
	6			B 8062 0500	B 8062 0505
	OTS 80				
	Hold open arm				
	DIN left hand	2		B 8021 0200	B 8021 0205
		3		B 8031 0200	B 8031 0205
		4		B 8041 0200	B 8041 0205
		5		B 8051 0200	B 8051 0205
		6		B 8061 0200	B 8061 0205
		DIN right hand	2		B 8022 0200
	3			B 8032 0200	B 8032 0205
	4			B 8042 0200	B 8042 0205
	5			B 8052 0200	B 8052 0205
	6			B 8062 0200	B 8062 0205
	OTS 80				
	Standard arm, anti-corrosive version				
	DIN left hand	2		B 8021 0003	B 8021 0006
		3		B 8031 0003	B 8031 0006
		4		B 8041 0003	B 8041 0006
		5		B 8051 0003	B 8051 0006
		6		B 8061 0003	B 8061 0006
		DIN right hand	2		B 8022 0003
	3			B 8032 0003	B 8032 0006
	4			B 8042 0003	B 8042 0006
	5			B 8052 0003	B 8052 0006
	6			B 8062 0003	B 8062 0006

Accessories for door closer OTS 80

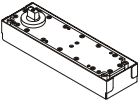
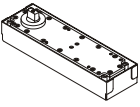
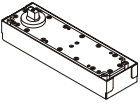
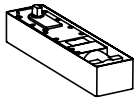
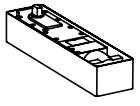
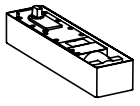
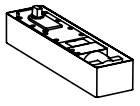
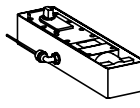
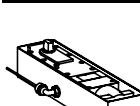
Figure	Version	Size	Article Ref. silver colour	dark bronze col.
	Replacement spring 8010	1	B 8010 0001	
		2	B 8010 0002	
		3	B 8010 0003	
		4	B 8010 0004	
		5	B 8010 0005	
		6	B 8010 0006	
	Flat bracket 8071	2-4	B 8071 0100	B 8071 0105
		5+6	B 8071 0200	B 8071 0205
	Soffit bracket 8072	2-4	B 8072 0100	B 8072 0105
		5+6	B 8072 0200	B 8072 0205
	T bracket 8073	2-4	B 8073 0100	B 8073 0105
		5+6	B 8073 0200	B 8073 0205
	Angular bracket 8174 Parallel arm assembly	2-6	B 8174 0000	B 8174 0005
	Base plate 8177	2-6	B 8177 0000	B 8177 0005

Arms for door closer OTS 80

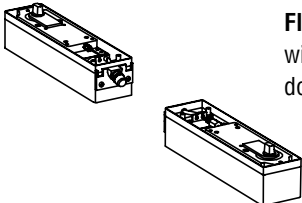
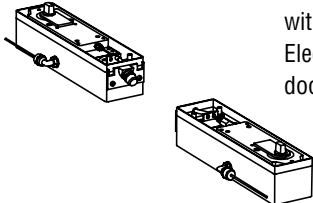
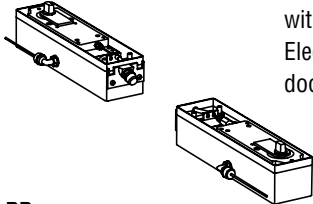
Figure	Version	Size	Article Ref.	Article Ref.
	Standard arm	2	B 8082 0020	B 8082 0025
		3+4	B 8083 0020	B 8083 0025
		5	B 8085 0020	B 8085 0025
		6	B 8086 0020	B 8086 0025
	Hold open arm	2	B 8182 0200	B 8182 0205
		3	B 8183 0200	B 8183 0205
		4	B 8184 0200	B 8184 0205
		5	B 8185 0200	B 8185 0205
		6	B 8186 0200	B 8186 0205

Floor springs without cover plate



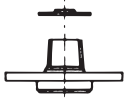
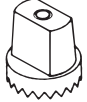



UTS 42, UTS 82, UTS 85

Figure	Version	Article Ref.	
Product group			
	UTS 42	K-15342-00-0-0	
PS			
	UTS 42 with mechanical hold open device on both sides 90° with swing doors 85° with rebated doors	K-15343-00-0-0	
PS			
	UTS 42 with mechanical hold open device on both sides 95° with swing doors 90° with rebated doors	K-15344-00-0-0	
PS			
	UTS 82 with backcheck, without hold open for interior doors for left hand, right hand and double swing doors	K-12923-00-0-0	
PA			
	UTS 82 HF with backcheck and hydraulic hold open with delayed closing action for interior doors for left hand, right hand and double swing doors	K-13198-00-0-0	
PA			
	UTS 85 HF with backcheck and hydraulic hold open with delayed closing action for left hand, right hand and double swing doors	K-12925-00-0-0	
PB			
	UTS 85 F according to DIN 18263, part 3 with backcheck for left hand or right hand doors	DIN left hand K-12924-00-L-0	DIN right hand K-12924-00-R-0
PB			
	UTS 85 FE with backcheck Electrohydraulic hold open for left hand or right hand doors (licensed by construction control board with various fire alarm systems)	K-13447-00-L-0	K-13447-00-R-0
PD			
	UTS 85 FL with backcheck Electrohydraulic swing-free for left hand or right hand doors (licensed by construction control board with various fire alarm systems)	K-13449-00-L-0	K-13449-00-R-0
PD			

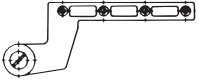
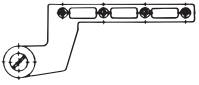
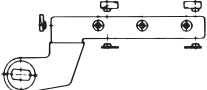

Door selector UTS SRI integrated without cover plate

Figure	Version	Article Ref.
	UTS 85 F SRI Floor spring to DIN 18263 part 3 with backcheck door selector integrated	K-13526-00-0-0
PD		
	UTS 85 FE SRI with backcheck Electrohydraulic hold open device door selector integrated	K-13528-00-0-0
PD		
	UTS 85 FL SRI with backcheck Electrohydraulic swing-free function door selector integrated	K-13530-00-0-0
PD		
	Modification kit UTS SRI for the subsequent conversion to integrated door selection usable for all floor spring types in unassembled condition	K-13525-00-0-0
PD		

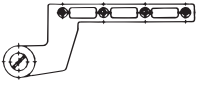
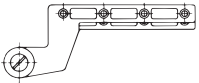
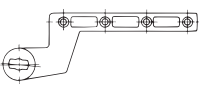
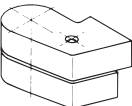
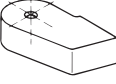
Accessories for floor springs

Figure	Version	Surface finish	Article Ref.
	Cover plates UTS 42	stainless steel	K-15385-00-0-8
PS			
	Cover plates UTS 82, UTS 85	stainless steel brass, satin finish natural anodized aluminium dark bronze anodized aluminium	K-12928-00-0-8 K-12929-00-0-0 K-12926-00-0-1 K-12926-00-0-5
PC			
	Door pivot Rebated and swing doors, with ball bearing, with cover of stainless steel and plastic cap		K-12942-00-0-1
PC			
	Axle, top part tapered and offset 5° for all glass doors with top stop	DIN left hand K-13481-00-L	DIN right hand K-13481-00-R
PC			
	Axle, top part with square spindle for left or right hand doors with square spindle for swing doors	K-13482-00-L-0 K-13482-00-0-0	K-13482-00-R-0
PC			
	Axle extensions UTS 42 with cylinder screw	V = mm 5 10 15 20 25	Article Ref. K-15386-00-0-0 K-15386-05-0-0 K-15386-10-0-0 K-15386-15-0-0 K-15386-20-0-0 K-13126-25-0-1
PS			
	Axle extensions UTS 82, UTS 85 with clamping screw	V = mm 5 10 15 20 25 30 35 40 45 50	Article Ref. K-13125-00-0-1 K-13125-05-0-1 K-13125-10-0-1 K-13125-15-0-1 K-13125-20-0-1 K-13126-25-0-1 K-13126-30-0-1 K-13126-35-0-1 K-13126-40-0-1 K-13126-45-0-1 K-13126-50-0-1
PC			
Sealing compound			K-13048-00-0-0

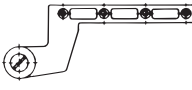
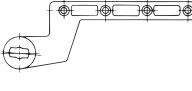

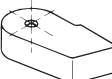
Accessories for rebated aluminium doors

Figure Product group	Version	Hinge pin mm	Article Ref.	
 Steel top pivots drop forged, galvanized	Version 1			
	41 mm		K-13047-41-0-1	
	45 mm		K-13047-45-0-1	
	50 mm		K-13047-50-0-1	
PC				
 Steel top pivots drop forged, galvanized	Version 2		DIN left hand	DIN right hand
	41 mm		K-13050-41-L-1	K-13050-41-R-1
	45 mm		K-13050-45-L-1	K-13050-45-R-1
	50 mm		K-13050-50-L-1	K-13050-50-R-1
PC				
 Aluminium spindle arms with steel insert, galvanized with spacers	Surface finish			
	silver colour		K-12048-00-0-1	
dark bronze col.		K-12048-00-0-5		
PC				
 Aluminium caps for top pivot Top and bottom parts	Surface finish			
	silver colour		K-12947-00-0-1	
dark bronze col.		K-12947-00-0-5		
PC				



Accessories for rebated timber doors

Figure Product group	Version	Hinge pin mm	Article Ref.	
 Ü Top pivots, steel drop forged, galvanized	Version 1			
	41 mm		K-12933-00-0-1	
PC				
 Ü Top pivots, steel drop forged, galvanized	Version 2		DIN left hand	DIN right hand
	41 mm		K-13049-00-L-1	K-13049-00-R-1
PC				
 Ü Spindle arms, steel drop forged, galvanized			K-12932-00-0-1	
PC				
 Aluminium caps for top pivot Top and bottom parts	Surface finish		DIN left hand	DIN right hand
	silver colour		K-12952-00-L-1	K-12952-00-R-1
	dark bronze col.		K-12952-00-L-5	K-12952-00-R-5
PC				
 Aluminium caps for spindle arm	Surface finish		DIN left hand	DIN right hand
	silver colour		K-12940-00-L-1	K-12940-00-R-1
	dark bronze col.		K-12940-00-L-5	K-12940-00-R-5
PC				





Accessories for flush timber doors

Figure Product group	Version	Hinge pin mm	Article Ref.	
	S Top pivots, steel drop forged, galvanized	41 mm	K-12935-00-0-1	
PC				
	S Spindle arms, steel drop forged, galvanized		K-12936-00-0-1	
PC				
	Aluminium caps for top pivot Top and bottom parts	Surface finish		
		silver colour	K-12947-00-0-1	
		dark bronze col.	K-12947-00-0-5	
PC				
	Aluminium caps for spindle arm	Surface finish		DIN left hand
		silver colour	K-12944-00-L-1	DIN right hand
		dark bronze col.	K-12944-00-L-5	K-12944-00-R-1
			K-12944-00-R-5	
PC				



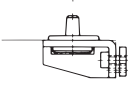
Accessories - slide arms, axes, axle extensions

Figure Product group	Version	Surface finish	Article Ref.	
	Slide arms with slide channel	silver colour dark bronze col.	K-14877-00-0-1 K-14877-00-0-5	
PC				
	Axle extensions for rocker arm	V = mm		
		5	K-14939-05-0-6	
		10	K-14939-10-0-6	
		15	K-14939-15-0-6	
		20	K-14939-20-0-6	
PC				

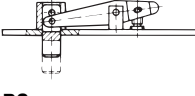
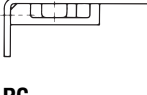
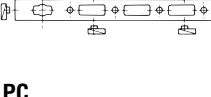
Accessories for rebated steel doors

Figure Product group	Version	Hinge pin mm	Article Ref.	
	Weld-on top pivots, steel drop forged, galvanized	41 mm	K-13053-00-0-0	
PC				
	Weld-on spindle arms, steel drop forged, galvanized		9-31603-00-0-0	
PC				
	Weld-in top pivots, steel drop forged, galvanized	41 mm	K-12934-00-0-0	
PC				
	Weld-in spindle arms, steel drop forged, galvanized		9-31623-00-0-0	
PC				

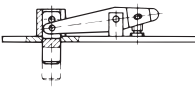
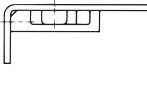

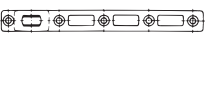
Accessories for fire protection doors

Figure Product group	Version	Hinge pin mm	Article Ref.
	Top pivots according to DIN 18082, part 3 of steel drop forged, galvanized	41 mm	K-12937-00-0-0
PC			
	Spindle arms according to DIN 18082, part 3 of steel drop forged, galvanized		K-12938-00-0-0
PC			
	Door pivots according to DIN 18082, part 3 of galvanized steel with ball bearing and cover		K-12945-00-0-1
PC			




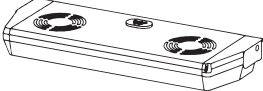



Accessories for aluminium double swing doors

Figure Product group	Version	Hinge pin mm	Article Ref.
	Top pivot - top part, steel galvanized	45 mm 55 mm 65 mm	6-24716-45-0-1 6-24716-55-0-1 6-24716-65-0-1
PC			
	Top pivot - bottom part, steel adjustable, galvanized		6-24767-00-0-1
PC			
	Spindle arm, steel drop forged, galvanized with spacers		K-12948-00-0-1
PC			


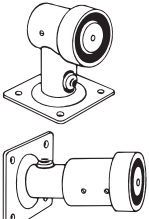

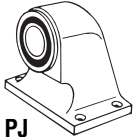
Accessories for timber and steel double swing doors and timber revolving doors

Figure Product group	Version	Hinge pin mm	Article Ref.
	Top pivot - top part, steel galvanized	45 mm	6-24716-45-0-1
PC			
	Top pivot - bottom part, steel adjustable, galvanized Double swing doors		6-24767-00-0-1
PC			
	Top pivot - bottom part, steel adjustable, galvanized Timber revolving doors		6-24768-00-0-1
PC			
	Spindle arm, steel drop forged, galvanized		9-31680-00-0-1
PC			






Smoke protection switch and smoke detector Hold open arrangements

Figure Product group	Version	Surface finish	Article Ref.
	Smoke protection switch 0,25 A, 24 V DC		B 8400 0100
	Smoke protection switch 0,8 A, 24 V DC		B 8400 0110
PJ 	Optical fire detector		B 8400 0200
PJ 	Console for fire detector silver colour		B 8400 0600
PJ			
Fire alarm centre line and accessories			
Figure Product group	Version	Surface finish	Article Ref.
	BMZ 730 Fire alarm centre line for door control (licensed by construction control board Licence Number Z-6.5-1371)	silver colour	K-14084-00-0-1
		dark bronze col.	K-14084-00-0-5
		white	K-14084-00-0-7
		black	K-14084-00-0-6
		brass colour	K-14084-00-0-3
	inox colour *	K-14084-00-0-8	
PJ 	BM A 880 Stray light smoke detector f. ceiling mount. Locking socket BM A 880	white	K-14129-00-0-0
		white	K-14130-00-0-0
PJ 	Interrupter, surface installation		K-13761-00-0-0
PJ 	Interrupter, concealed installation		K-13762-00-0-0
PJ			

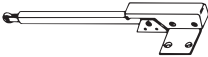


Hold open magnets Hold open arrangements

Figure Product group	Version	Article Ref.															
	Door hold open magnet 24 V DC with mounting plate and concealed connecting terminal Holding force 800 N	B 8400 0320															
PJ																	
	Door hold open magnet 24 V DC with spacer for floor or wall mounting (reversible), holding force 800 N																
	<table border="1"> <thead> <tr> <th>Wall distance Dim. "A" mm</th> <th>Floor distance Dim. "B" mm</th> <th>Article Ref.</th> </tr> </thead> <tbody> <tr> <td>110</td> <td>70</td> <td>B 8400 0321</td> </tr> <tr> <td>150</td> <td>110</td> <td>B 8400 0322</td> </tr> <tr> <td>260</td> <td>220</td> <td>B 8400 0323</td> </tr> <tr> <td>390</td> <td>350</td> <td>B 8400 0324</td> </tr> </tbody> </table>	Wall distance Dim. "A" mm	Floor distance Dim. "B" mm	Article Ref.	110	70	B 8400 0321	150	110	B 8400 0322	260	220	B 8400 0323	390	350	B 8400 0324	
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PJ																	
	Door hold open magnet 24 V DC for wall mounting, surface installation Holding force 800 N	B 8400 0325															
PJ																	
	Door hold open magnet 24 V DC for floor mounting, aluminium housing Holding force 800 N	B 8400 0327															
PJ																	

Armature plates and interrupters Hold open arrangements



Figure Product group	Version	Article Ref.
	Armature plate Sprung mounting plate for alignment to magnet	B 8400 0400
PJ		
	Armature plate Mounting housing with spring damper	B 8400 0401
PJ		
	Armature plate Mounting plate with additional adjustment	B 8400 0402
PJ		
	Interrupter, surface installation	B 8400 0500
PJ		
	Interrupter, concealed installation	B 8400 0510
PJ		

Door selector and carrier bar

Figure	Version	Article Ref.	
Product group		silver colour	dark bronze col.
	Door selector	8641	
	Double doors of steel and timber, fire protection doors T 30-2 Doors, system GLISSA MBB	B 8641 0000 B 8641 0100	B 8641 0005 B 8641 0105
PJ	Carrier bar	8642	
	Polyurethane roller buffer	Rebate	Door leaf
	Version	mm	mm
	"A"	0-11	500-800
PJ	"B"	10-17	500-800
	Carrier bar	8642	
	Polyurethane roller buffer	Rebate	Door leaf
	Version	mm	mm
	"A"	0-11	801-
PJ	"B"	10-17	801-

Additional accessories for hold open arrangements: page 10

Door holder

Figure	Version	Travel	Surface finish	Article Ref.
Product group		mm		
	Door holder	30	silver painted	B 3934 0101
	3934		dark brown painted	B 3934 0137
			white painted	B 3934 0139
		100	silver painted	B 3934 0109
			dark brown painted	B 3934 0115
			Special colours	
PP			Replacement rubber plug w. screw	B 3919 0102
	Door holder	30	silver painted	B 3933 0101
	3933		dark brown painted	B 3933 0137
			Replacement rubber plug w/o screw	B 3909 0101
PP				

According to the liability of manufacturers for their products as defined in the German „Law of Product Liability“ (§4 Prod-HaftG), the following information on door closers and floor springs for side hung doors must be considered. Non-observance by customers releases the manufacturer from his product liability.

1. Product information and application in accordance with the regulations

Door closers and floor springs are designed to close side hung doors after their manual opening.

The closing is hydraulically damped, the closing speed is adjustable. The required latching power depends on the sash widths and weights and is determined by DIN 18 263 part 1 to 5.

In the case of door closers and floor springs not standardized and/or applications other than defined, the specifications of the manufacturer are to be considered.

Door closers and floor springs are applied on installed side hung doors of metal, timber, PVC, glass or combinations of these materials.

For smoke and fire protection doors type of mounting and position are exactly prescribed. Any deviation in application is not in accordance with the regulations.

The application of door closers and floor springs in accordance with the regulations requires perpendicularly installed and smooth-running doors with correctly mounted door closers or floor springs. Their mounting and adjustment must be carried out expertly following the instructions of the manufacturer.

With unfavourable local conditions (e.g. effect of wind), door closers with a high closing power must be used. Especially on side hung doors opening outwards, door closers with back-check should be used. Without limiting the opening angle of the door, back check provides for the protection of persons, door components, adjacent walls and objects.

A fixed open position of side hung doors can only be achieved with additional fittings or with integrated constructional components. For fire protection doors, facilities must be licenced by the German Institute of Building Technology (the proof of suitability of the door must be considered).

For damp rooms, for unprotected external mounting and for the use in an environment with aggressive air components causing corrosion, as well as for doors exposed to extremely high or low temperatures, door closers in special design are required. Floor boxes for floor springs must be protected against soiling. If floor springs are exposed to ingress of water, e.g. in damp rooms or on entrance doors without protection against rain, the space between the floor box and floor spring body must be filled with a suitable sealing compound.

Before installing and operating door closers and floor springs including additional equipment, it is necessary to observe prevailing national or regional regulations.

2. Misuse

Misuse – that is the application of door closers for side hung doors not in accordance with the regulations – exists,

- when door closers and floor springs are used for another purpose than closing doors
- when the size of the door closer chosen does not correspond to the recommendations of the manufacturer
- when mounting and/or adjusting were effected incorrectly or inexpertly
- when obstacles in the closing area interfere with the closing
- when door hinges interfere with the closing because they are not aligned or running smoothly
- when the door leaf touches the floor
- when the door is stuck in the frame
- when closing is obstructed by gaskets, wedges etc.

- when someone grasps between frame and door leaf (danger of injury)
- when beyond the qualities confirmed by the manufacturer correct functioning is expected under extreme conditions such as storm or extraordinary high or low pressure acting on the door
- when door closers or floor springs not tested to DIN are used on fire protection doors

3. Product specification

Unless described in detail in catalogues, brochures, instructions etc., special product specifications must be discussed with the manufacturer and approved by him.

The standard DIN 18 263 part 1 to 5 „Door closers with hydraulic damping“ is a guide.

It describes all basic and additional requirements.

In the course of European standardization it is planned to replace DIN 18 263 part 2 and 3 by DIN EN 1154. DIN 18 263 part 5 will be replaced by DIN EN 1155. A new standard is DIN EN 1158 for door coordinators.

4. Maintenance and care

Components of door closers and floor springs relevant to security must be regularly checked for tight fit and wear. Fixing screws must be tightened up, defect parts must be exchanged. Moreover, the following works have to be carried out at least once a year depending on type and purpose of the side hung door:

- All moving parts must be greased.
- The settings of the door closer (e.g. closing speed) must be checked
- The door must be checked for smooth running
- Door closers with special functions (hold open devices, hold open arrangements) all legal controls and maintenance procedures must be carried out
- Door closers and/or defective components must be replaced immediately, if their correct function is no longer provided
- For maintenance works only lubricants and cleaning detergents must be used which do not contain corrosive or destructive components.

5. Duty to inform and to instruct

In order to comply with the duty to inform and to instruct, planners, special trade, manufacturers, builders and users may consult the following material:

- Catalogues, brochures
- Specification clauses, quotation documents
- Mounting instructions, installation drawings, instructions for use
- DIN 18 263 (exclusive distribution by Beuth-Verlag GmbH, Berlin)
- Consulting field service

For the correct use, the reliable function and the maintenance and care of door closers and floor springs on side hung doors it is necessary that

- architects and planners should obtain and observe the required product information.
- authorized dealers should observe product information and indications in price lists, and above all order all instructions and pass them on to the installers.
- installers should obtain all product information, special instructions for use and maintenance and pass them on to customers and users.

The user must be informed of acceptance tests for hold open devices or hold open arrangements prescribed by the law.

Acceptance test of hold open arrangements for fire protection doors



Due to official terms of admission, the use of hold open arrangements on fire protection doors is subject to the following regulations:

1. Acceptance Test

After the installation of a hold open arrangement on site its faultless operation and assembly according to regulations have to be checked by an acceptance test.

Manufacturers of release mechanisms and hold open arrangements are obliged to point out this test. The operating company/user must arrange for its execution.

The acceptance test must be carried out only by specialists of the manufacturer or specialists authorized by the manufacturer or specialists of an appointed inspection authority.

The acceptance test must comprise at least the following items:

- The devices installed with the hold open arrangement must be identical with those indicated in the licence notice.
- The marking of the devices installed must correspond to that indicated in the licence notice.
- The coordination of all devices must be checked on the basis of the licence notice. Hereby, the release must be effected both by simulation of the parameters activating the detector (temperature, ionisation/gas, smoke) and by hand.
- It must be checked if the connection for automatic closing is released, when the hold open arrangement is out of order (e.g. by removal of an alarm device or through power failure).

When the acceptance test is successfully completed, a durable sign supplied by the manufacturer must be put on the wall close to the fire protection door with the inscription

Hold open arrangement Accepted by (name of company, month and year of acceptance)

The operating company/user receives a certificate of successful acceptance which he must keep in custody.

2. Periodic Checkup

The operating company / user must take care that the hold open arrangement remains permanently operational and check it for correct functioning once a month.

Moreover, the operating company / user is obliged to arrange for maintenance works where all devices are checked for perfect coordination at least once a year unless other intervals are specified in the licence notice.

The maintenance works must be carried out by experts or especially trained persons only. Extent, time and result of the checkups are to be recorded. The records must be kept by the operating company / user.

G.U after sales service can offer to the users of hold open arrangements the execution of the official regulations :

- a. Acceptance test after installation on site including mounting of acceptance sign.
- b. Conclusion of a service contract for yearly inspection including the check of all devices for perfect coordination according to point 2 „Periodic Checkup“.
- c. Service without service contract

G.U hold open arrangements must be installed with our tested and licensed devices only.

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