



ARCOS® –
UNIQUE DESIGN

UNIVERSAL
STUDIO
OFFICE

CONTENT

Product range 4 – 5



ARCOS UNIVERSAL Sliding door system 6 – 23



ARCOS STUDIO Pivoting doors 24 – 41



ARCOS OFFICE 42 – 59

Accessories 60 – 61

General Information 62 – 63

UNIQUE DESIGN WITH IN-BUILT SYSTEM VERSATILITY

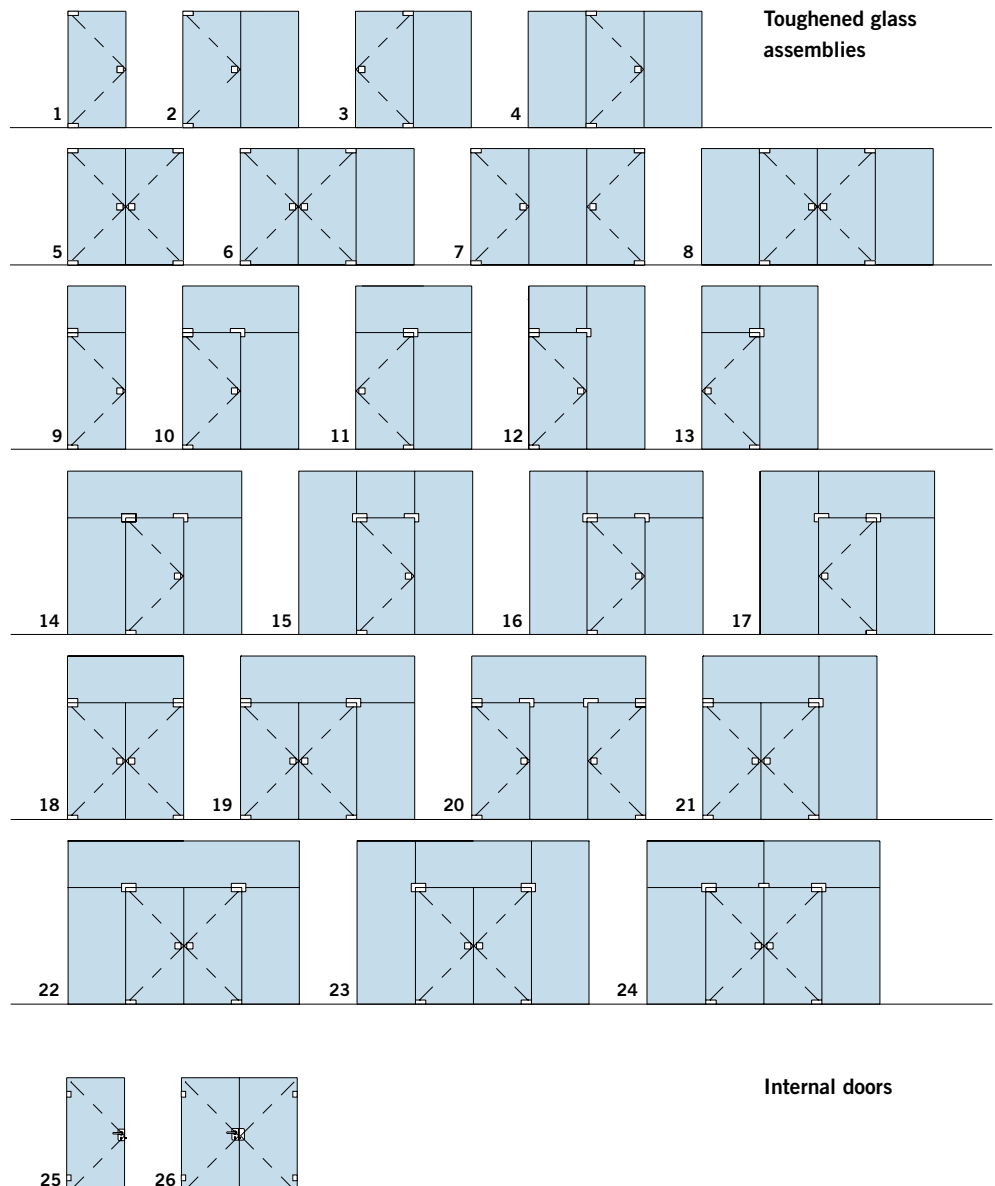


	ARCOS Universal	ARCOS Studio	ARCOS Office
For external assemblies	+++		
For internal assemblies	+++	+++	+++
For standard toughened glass assembly types	+++	+	+
For individually designed assemblies with corner fittings, fin fittings etc.	+		
For double-acting doors	●		
For single-acting doors	●	●	●
Glass thickness (mm)	8, 10, 12 ¹⁾	8	8
Max. door weight (kg)	100	45	55/70
Max. door width (mm)	1100	1000	1000/1200
Frame depth, standard, mm		24 ²⁾	24 ²⁾
Materials and finishes see pages	9	28	68
Lock and latch types			
Low noise „whisper“ functionality			●
Whisper latch / latch head partially plastics-sheathed			●
Damped latch motions			●
Adjustable lever handle follower +/-1° for avoidance of „lever handle sag“ droop			●
Non-locking latch		●	●
Non-locking latch, with levers forward		●	●
Prepared for Europrofile cylinder	●	●	●
External compliance approval to DIN EN 12009			●
Public building type DIN 18 251, Class 3	●	●	
Prepared for KABA		●	●
Warded lever lock with nightlatch function		●	●
Warded lever lock without nightlatch function		●	●
Bathroom lock function		●	●
Strike box for double doors		●	●
Lock designs			
With follower for door levers without roses		●	●
For door levers with roses		●	●
Hinge designs			
For frame pivots		●	●
With frame pivot for aluminium frame		●	
With frame pivot for timber frame		●	●
With frame pivot for steel frame		●	●
For project doors		●	●
For fixing to side panels		●	●

+++ particularly suitable + partially suitable ● Standard

¹⁾ under certain circumstances, also 15 and 19 mm glass thicknesses ²⁾ for 8 mm glass thickness

Wherever glazing and its hardware need to merge into a single entity, our new ARCOS product line offers the ideal transition. Offering gentle lines with a flowing design, this range of fixings, fittings and furniture provides the perfect blend between the two primary materials. Metal and glass appear to combine seamlessly – with the arclike curvature of the ARCOS range characterising all the hardware in the programme. Inside and out. With its extensive experience in the materials involved and the associated manufacturing techniques, DORMA has all the production capabilities required to apply this sophisticated capping geometry.



General care instructions

The surface finishes of the fittings are not maintenance-free and should be cleaned according to their material and design.

- For metallic surfaces (anodised finishes, stainless steel) please use appropriate cleaning agents without abrasive additives only.
- For varnished surfaces please use appropriate solvent-free cleaning agents only.
- Brass surfaces (without surface protection) have to be treated with an appropriate maintenance agent on occasion, to avoid tarnishing.



ARCOS UNIVERSAL

General information	8
Patch fittings	9
Locks	13
Accessories	16
Glass preparation	20
Construction details	23



VERSATILITY PLUS MULTIPLICITY

Patch fittings and connector hardware for overpanels and side panels, fin fittings for particularly large systems – with the curved arc motif of the ARCOS design always incorporated in each component. Gentle reflections that change with the planes give both the glass and its fittings the appearance of a harmonious whole.

Easy glass preparation, secure fixing

DORMA-Glas has an intimate knowledge of the special properties of glass as a building material. This has led to the design of fittings requiring only minimal glass preparation – a quick and easy cut-out with additional holes. Carefully considered and positive measures have been taken to create the maximum clamping surface with optimum clamping efficiency.

Suitable for common glass thicknesses

ARCOS Universal fittings are supplied as standard with gasket to suit 10 mm glass. For 8 mm and 12 mm glass, correspondingly thicker and thinner gasket is available. Some patches are even designed to fit directly with different glass thicknesses.

Variable pivot point

All the inserts for corner and overpanel patches in the ARCOS Universal program have been designed and manufactured to give two options in the pivot point distance from the sidepanel or frame. It can be either 55 mm or 65 mm.

Reliability built in

Quality materials and thorough workmanship mean that ARCOS's Universal fittings have the features necessary to meet the most demanding of specifications.

The fittings are designed to cope with large and heavy doors up to a maximum weight of 130 kg*: for instance, a door blade 3,000 mm high by 1,300 mm* wide, using 12 mm glass is quite possible.

Clip-on technique

The innovative clip-on technique incorporated in the hardware ensures that the cover caps can be secured to the basic components so that the fixing is virtually invisible.

Matching range of locks

The ARCOS Universal range includes every type of accessory, and of course, a variety of locks and strike boxes in a matching design concept, giving the designer plenty of choice from the options available.

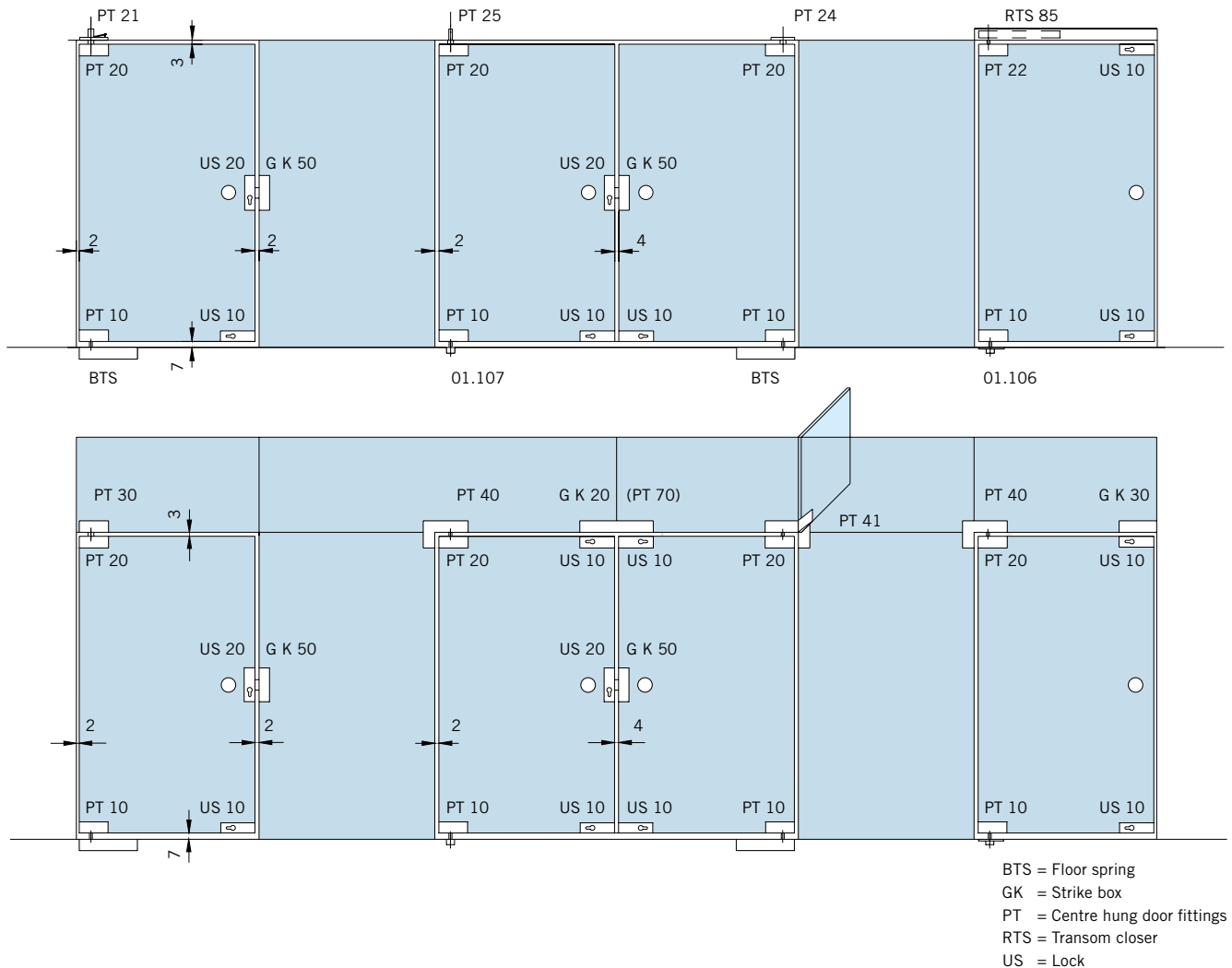
Short delivery times

All the common patterns and types are available ex-stock (factory). Specials will be prepared promptly.



TYPE SELECTION

Toughened glass assemblies with fittings and locks. All standard assembly types see page 5.



Maximum door weight and width for DORMA Universal fittings

max. door weight: 130 kg*
max. door width: 1,300 mm*

* For door heights up to 2500 mm

For doors with a height of more than 2,500 mm we have to keep additional conditions/limits:

- Glass thickness ≥ 10 mm
- + Usage of a handle bar with 3 connection points in minimum and a minimum height of 2/3 door height.

* Use of door closers:

Doors ≥ 100 Kg must be used with door closers type EN4 (with or without out back check) or a higher type (e.g. EN5) without back check.

Torque for fixing screws

Screws M 6: 10 Nm (4 mm)*
Screws M 6: 15 Nm (5 mm)*
Screws M 8: 20 Nm (5 mm)*

*Allan key size

Surface finishes

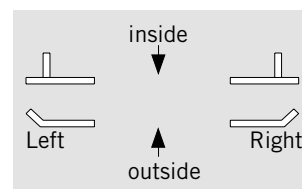
ARCOS Universal is available in the following surface finishes:

- Aluminium, EV 1 deko (114)
- Satin stainless steel (700)
- Polished stainless steel (701)

Special finishes with anodised colours and other coatings can also be quickly provided on request.

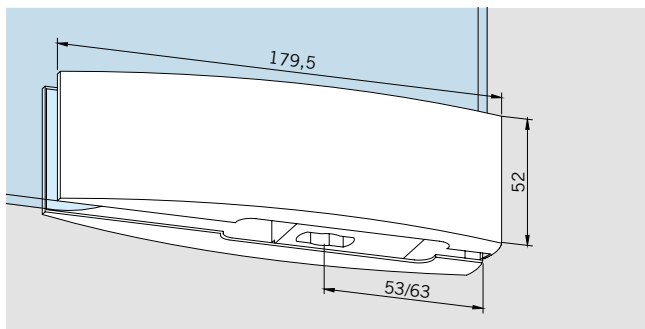
Please note:

If angle fittings or fin fittings are used, "Left" or "Right" have to be determined in any case by view from outside and above.



PATCH FITTINGS

Shown with 10 mm glass. When used with 8 and 12 mm glass measurements change accordingly. Accessories see page 16.

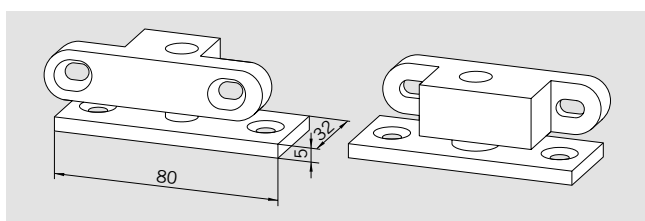


ARCOS PT 10 **Art. No. 26.100**

bottom patch

with insert for DORMA floor spring spindle, or round pivot 14 mm Ø

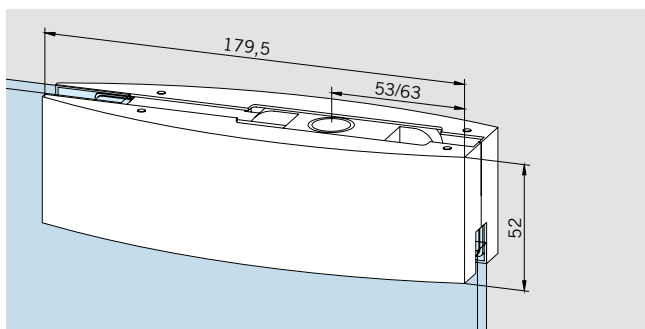
Weight in kg:
 aluminium 0.564
 stainless steel 0.662



Floor pivot bearing **Art. No. 01.137**

for damp environments, with insert for PT 10, **without floor recess**

max. door weight 80 kg
 Weight in kg: 0.195

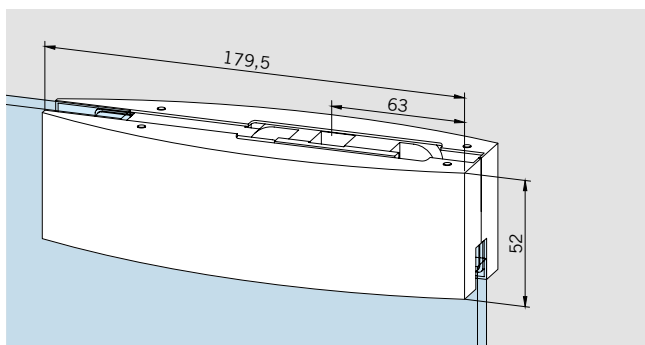


ARCOS PT 20 **Art. No. 26.100**

top patch

with plastic socket for top pivot 15 mm Ø

Weight in kg:
 aluminium 0.477
 stainless steel 0.575

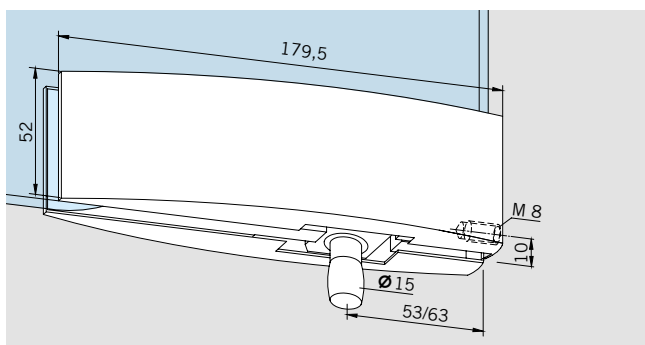


ARCOS PT 22 **Art. No. 26.112**

top patch

with insert for DORMA RTS transom closer (see also technical brochure Universal/RP/EA, chapter DORMA RP)

Weight in kg:
 aluminium 0.578
 stainless steel 0.677

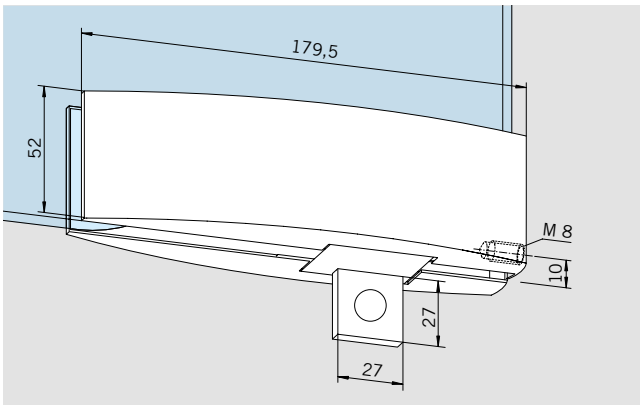


ARCOS PT 30 **Art. No. 26.120**

overpanel patch

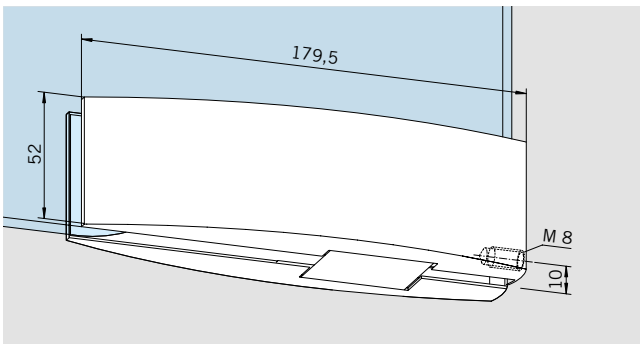
with pivot 15 mm Ø, with M 8 tapped hole at side

Weight in kg:
 aluminium 0.528
 stainless steel 0.636



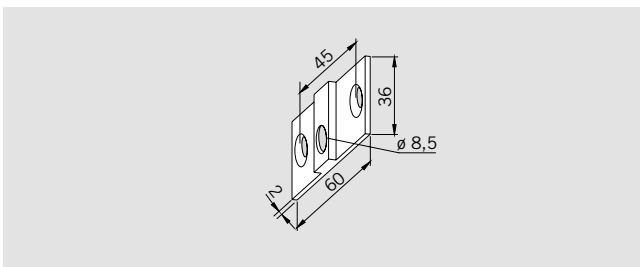
ARCOS PT 30
overpanel patch
 with stop insert
 Weight in kg:
 aluminium 0.528
 stainless steel 0.580

Art. No. 26.420



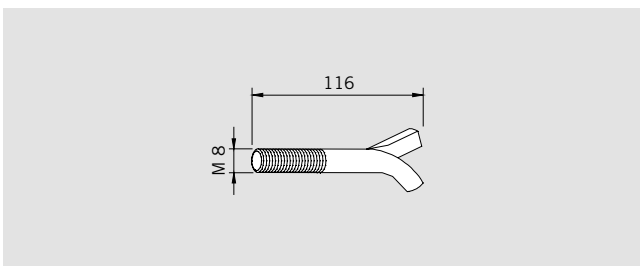
ARCOS PT 30
overpanel patch
 with blanking insert
 Weight in kg:
 aluminium 0.519
 stainless steel 0.571

Art. No. 26.421



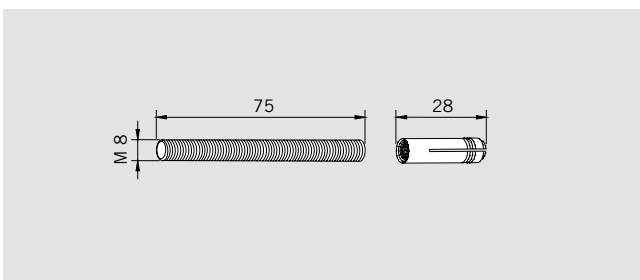
Fixing plate
 for overpanel patch PT 30
 Weight in kg:
 aluminium 0.016
 brass 0.038
 Stainless steel not available,
 satin chrome on brass supplied.

Art. No. 03.128



Wall anchor
 with thread M 8 for overpanel
 patch PT 30
 Weight in kg: 0.040

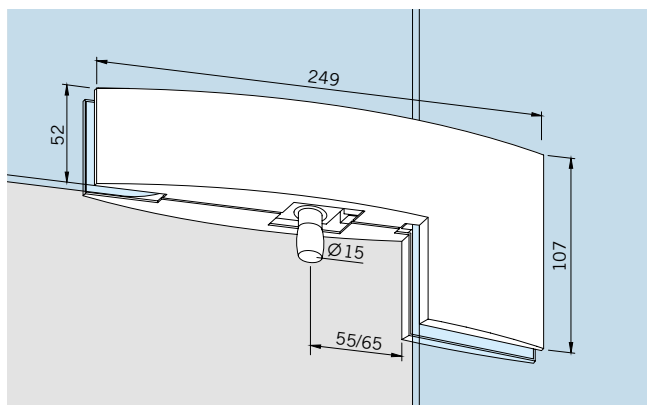
Art. No. 01.133



Threaded rod
 M 8 with plug for overpanel
 patch PT 30
 Weight in kg: 0.032

Art. No. 01.134

PATCH FITTINGS



ARCOS PT 40 patch for overpanel and side panel

with pivot 15 mm Ø

Weight in kg:

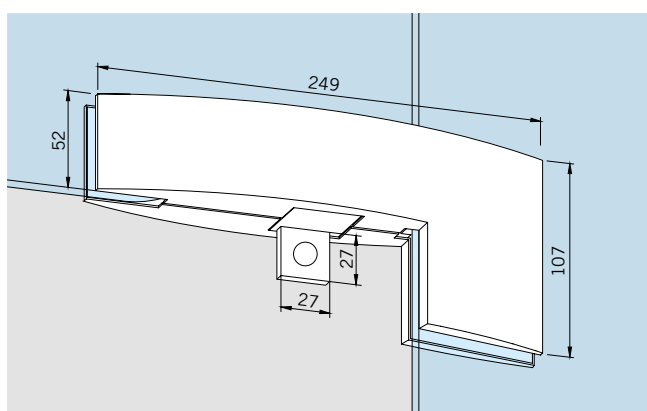
aluminium

0.755

stainless steel

0.937

Art. No. 26.140



ARCOS PT 40 patch for overpanel and side panel

with stop insert

Weight in kg:

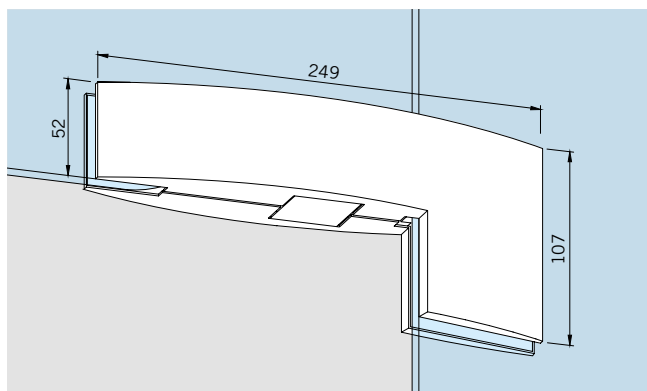
aluminium

0.755

stainless steel

0.937

Art. No. 26.440



ARCOS PT 40 patch for overpanel and side panel

with blanking insert

Weight in kg:

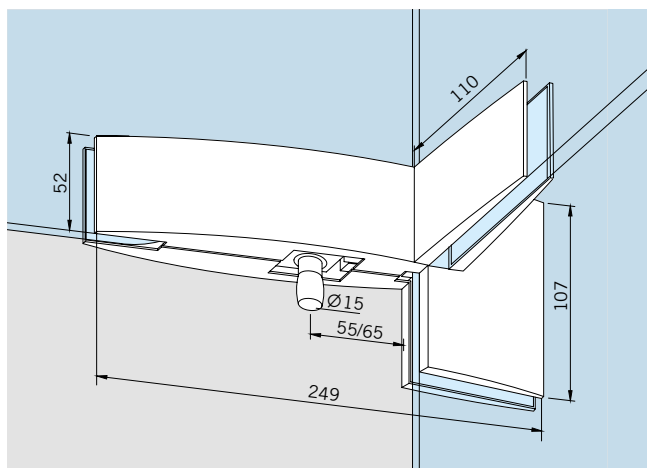
aluminium

0.746

stainless steel

0.928

Art. No. 26.441



ARCOS PT 41 patch for overpanels and side panel with fin fitting

inside with pivot 15 mm Ø

do. with stop insert
(not illustrated)

Art. No. *26.162 / 26.163

Art. No. *26.262 / 26.263

do. with blanking insert
(not illustrated)

Art. No. *26.264 / 26.265

Weight in kg:

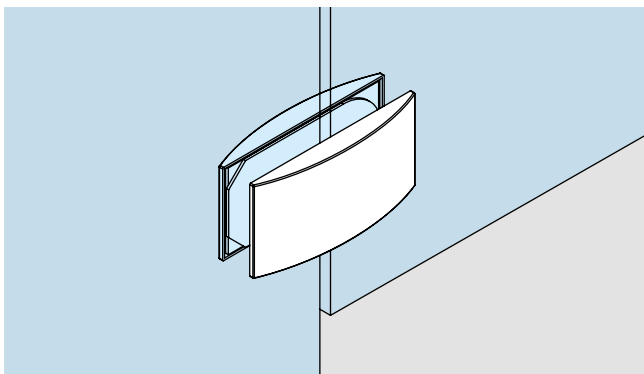
aluminium

0.952

stainless steel

1.197

*Left hand fin (illustration shows left hand) / Right hand fin
Left or right hand are determined by view from outside.


Overpanel-sidelight connector
Art. No. 12.536

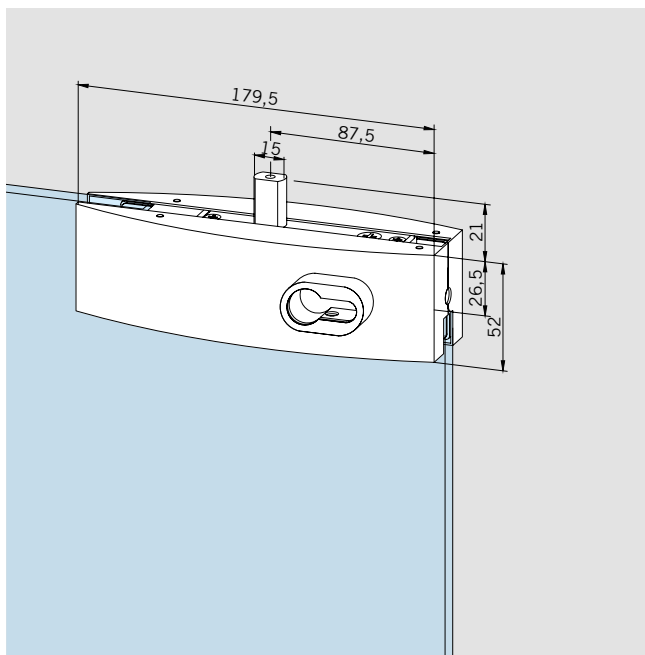
Weight in kg:

aluminium

0,146

LOCKS, COMPLETE

For 10 mm glass thickness. Accessories for 8 resp. 12 mm glass thickness are shown from page 16 on.


ARCOS US 10 corner lock,
Art. No. 26.206

prepared for Europrofile cylinder, single throw, bolt projection 20 mm, with security rosettes on both sides, 14 mm high.

Lock insert:

- high corrosion resistance according to EN 1670, class 4
- with regard to type-test according to DIN 18251, class 3*

Attention:

Modified position of locking bolt in comparison to standard US 10

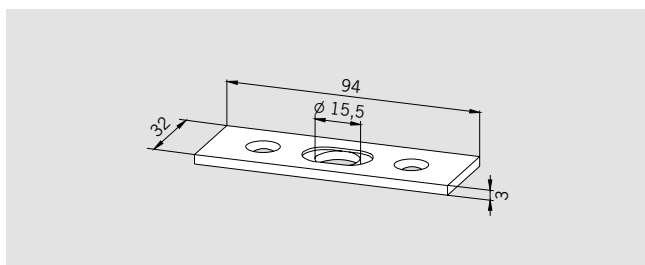
Weight in kg:

aluminium

0.942

stainless steel

1.053


Lock keeper plate,
Art. No. 05.190

stainless steel, two parts, adjustable ± 5 mm

Weight in kg:

0.048

alternative:

Floor sockets
(not illustrated)

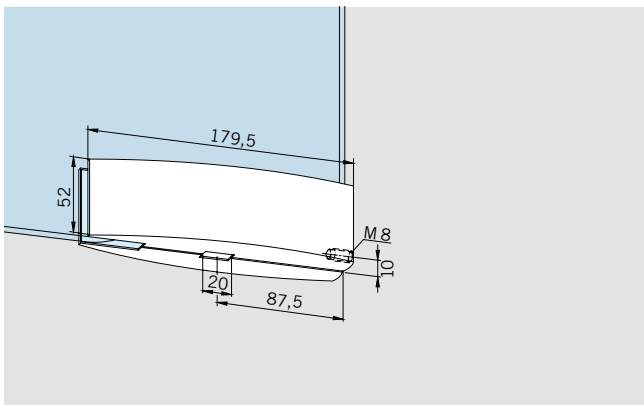
**Art. No. 05.192, 05.193,
05.194**

(see accessories page 18)

*Extract from DIN 18251, class 3: Type-test with 50,000 locking bolt operating cycles.

Furthermore the lock was tested successfully by a neutral testing institute with 100,000 locking bolt operating cycles.

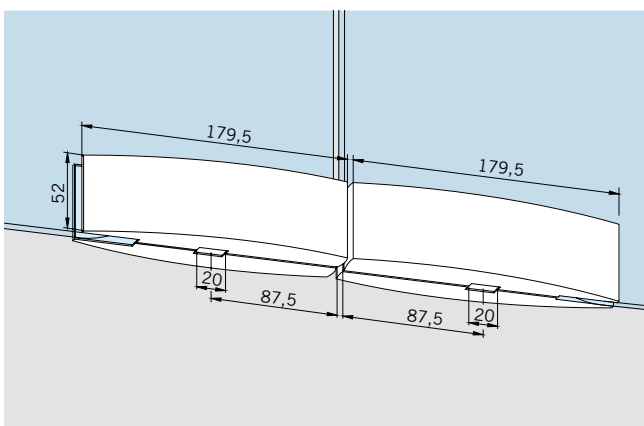
LOCKS



ARCOS GK 30 Art. No. 26.230

single overpanel strike box
with threaded hole at side,
to suit ARCOS US 10 corner
lock

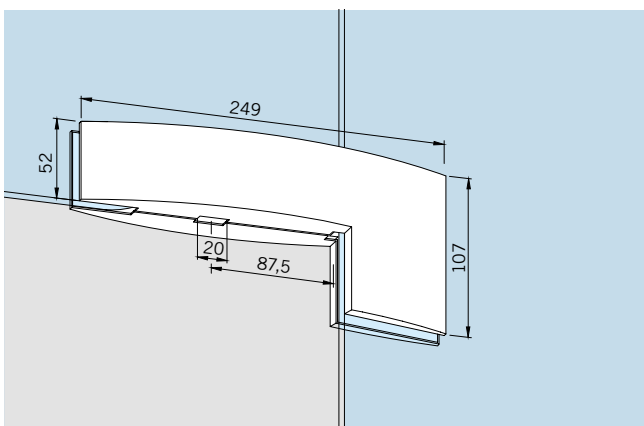
Weight in kg:
aluminium 0.418
stainless steel 0.536



ARCOS GK 20 double Art. No. 26.245

overpanel strike box
to suit ARCOS US 10 corner
lock, consisting of two ARCOS
GK 30 with threaded connect-
ing bolt

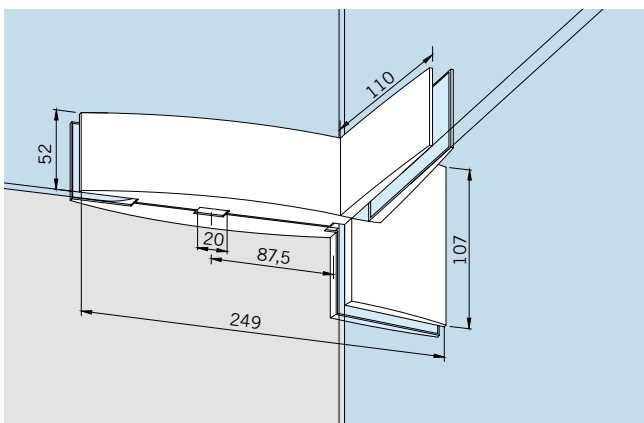
Weight in kg:
aluminium 0.844
stainless steel 0.948



ARCOS GK 40 corner Art. No. 26.250

overpanel strike box
to suit ARCOS US 10 corner
lock

Weight in kg:
aluminium 0.709
stainless steel 1.010

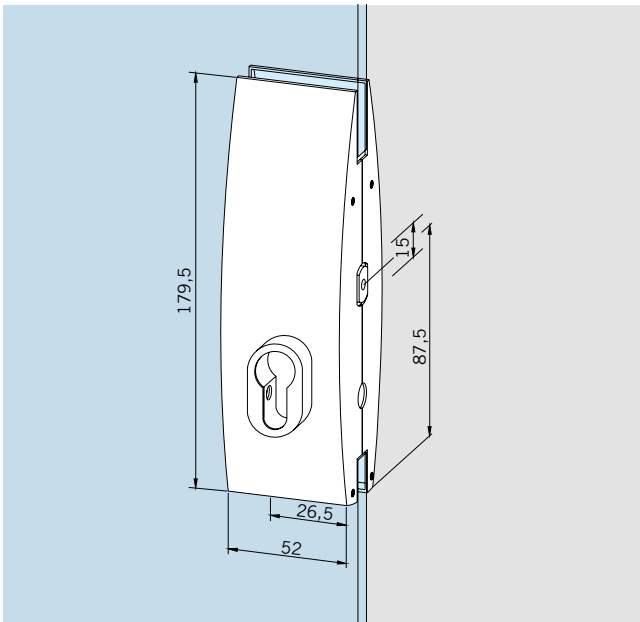


ARCOS GK 41 strike box Art. No. *26.194 / 26.193

to suit ARCOS US 10 corner
lock, with fin fitting

Weight in kg:
aluminium 0.906
stainless steel 1.270

*Left hand fin (illustration shows left hand) / Right hand fin
Left or right hand are determined by view from outside.



US 20 centre lock,

Art. No. 26.215

prepared for Europrofile cylinder, single throw, bolt projection 20 mm, with security rosettes 14 mm thick.

Lock insert:

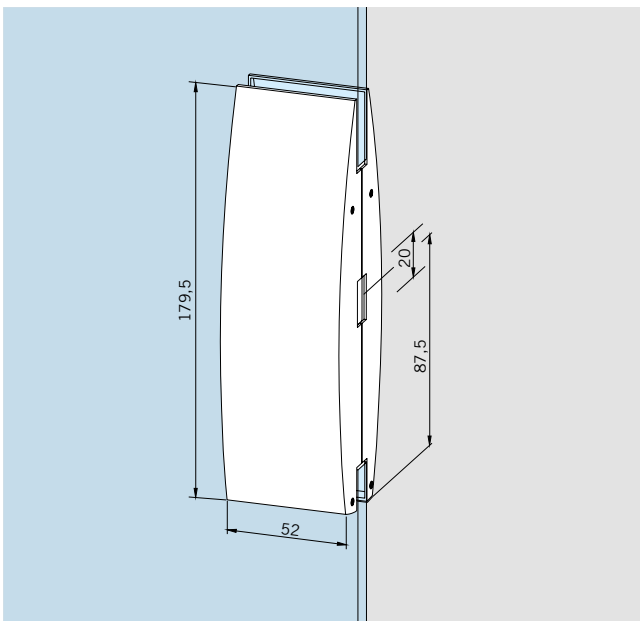
- high corrosion resistance according to EN 1670, class 4
- with regard to type-test according to DIN 18251, class 3*

Attention:

Modified position of locking bolt in comparison to standard US 20 for 10 mm glass thickness

Weight in kg:

aluminium	0.942
stainless steel	1.053



ARCOS GK 50 strike box

Art. No. 26.224

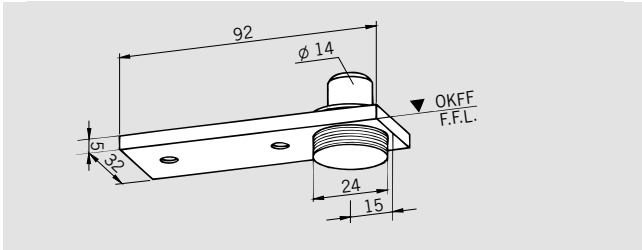
to suit ARCOS US 20 centre lock

Weight in kg:

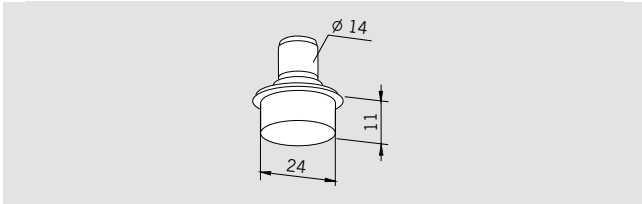
aluminium	0.602
stainless steel	0.727

*Extract from DIN 18251, class 3: Type-test with 50,000 locking bolt operating cycles. Furthermore the lock was tested successfully by a neutral testing institute with 100,000 locking bolt operating cycles.

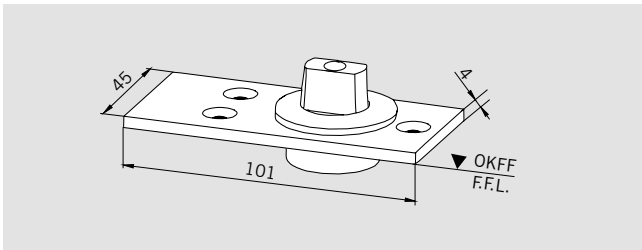
ACCESSORIES



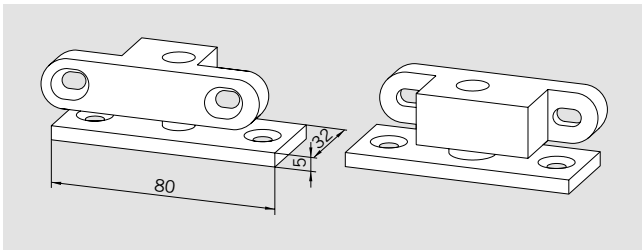
Floor pivot bearing **Art. No. 01.106**
 with round pivot 14 mm Ø, and cover plate; height adjustable by 5 mm max. door weight 100 kg
 Weight in kg:
 aluminium 0.155
 brass 0.170
 stainless steel 0.169



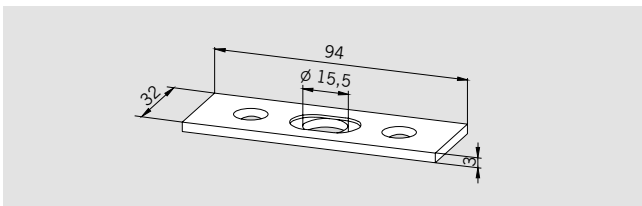
Floor pivot bearing **Art. No. 01.107**
 with round pivot 14 mm Ø and pin 24 mm Ø
 max. door weight 100 kg
 Weight in kg: 0.078



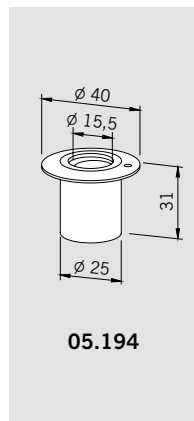
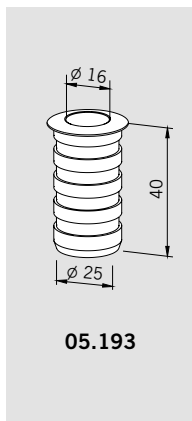
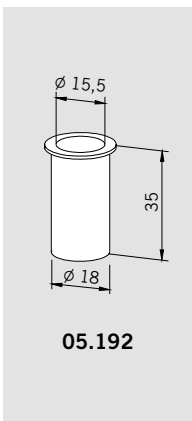
Floor bearing
 with DORMA profile spindle (longer spindle on request), max. door weight 200 kg
 Weight in kg: 0.254 **Art. No. 04.602**
 Stainless steel, max. door weight 200 kg
 Weight in kg: 0.256 **Art. No. 04.603**



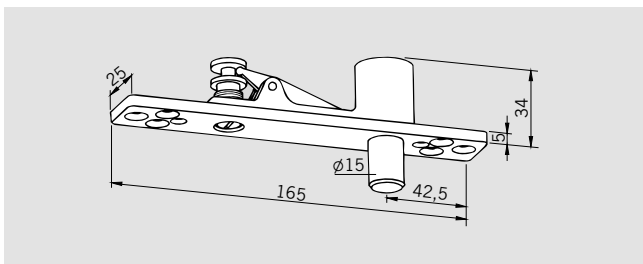
Floor pivot bearing **Art. No. 01.137**
 for damp environments, with insert for Universal for mounting onto floor surface
 max. door weight 80 kg
 Weight in kg: 0.195



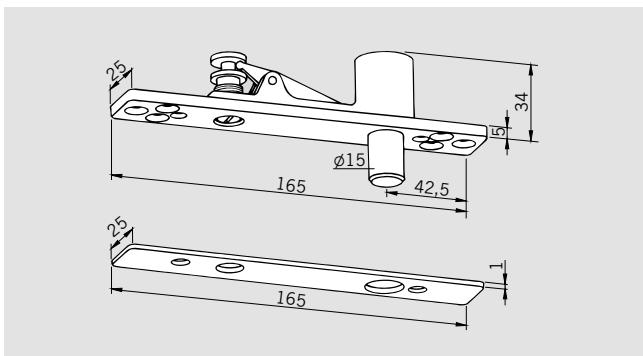
Lock keeper plate, **Art. No. 05.190**
 stainless steel, two parts, adjustable ± 5 mm
 Weight in kg: 0.048



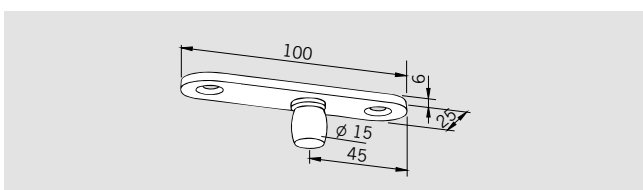
Floor socket,
 zinc coated brass for lock bolt
 Weight in kg: 0.020 **Art. No. 05.192**
Floor socket, aluminium, with spring and plastic stopper, dirt protection
 Weight in kg: 0.026 **Art. No. 05.193**
Eccentric socket, eccentric, zinc coated brass, with adjustable plastic socket insert
 Weight in kg: 0.020 **Art. No. 05.194**



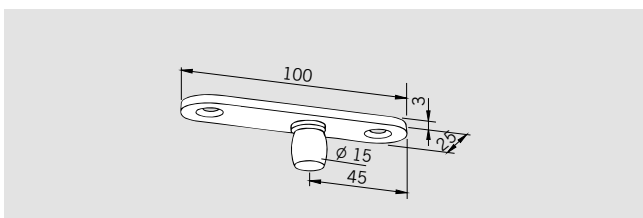
PT 21 frame portion **Art. No. 01.117**
 top centre with removable pin
 15 mm Ø
 Weight in kg: 0.335



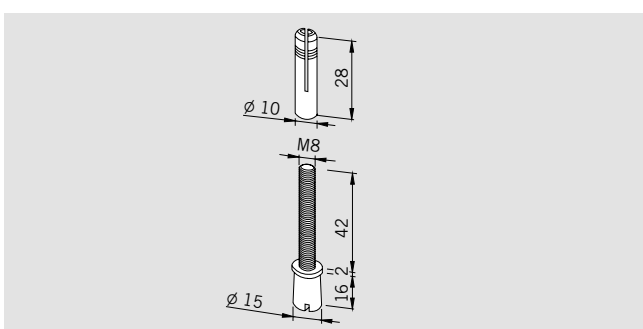
PT 21 frame portion **Art. No. 01.118**
 top centre with removable pin
 15 mm Ø, with cover plate
 Weight in kg: 0.345



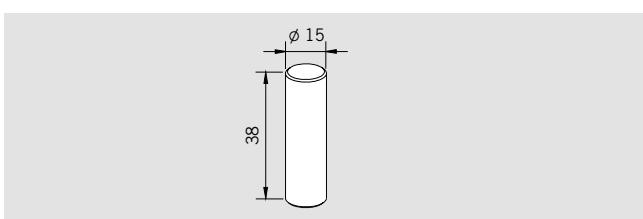
PT 24 pivot **Art. No. 01.116**
 15 mm Ø, with fixing plate,
 material thickness 6 mm,
 to let **into ceiling**
 Weight in kg:
 aluminium 0.058



PT 24 pivot **Art. No. 01.123**
 15 mm Ø, with fixing plate,
 material thickness 3 mm,
 to screw **on the ceiling**
 Weight in kg:
 aluminium 0.042
 stainless steel 0.074

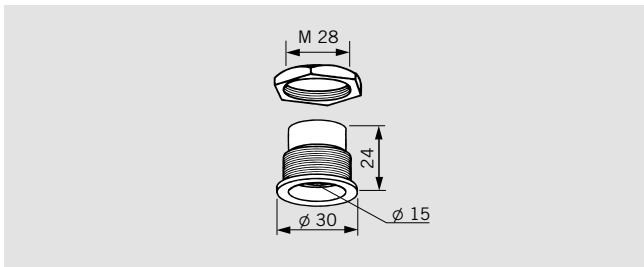


PT 25 pivot **Art. No. 01.115**
 15 mm Ø with plug
 Weight in kg: 0.044



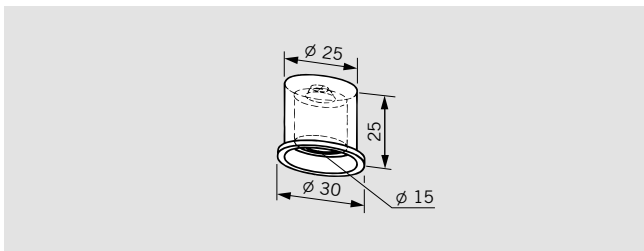
Loose pivot pin **Art. No. 04.601**
 for interface between patch
 and rail
 Weight in kg: 0.050

ACCESSORIES



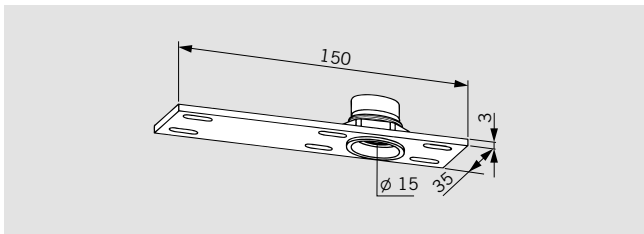
Top pivot bearing,
brass, nickel plated, for installation in frame or ceiling for 15 mm Ø pivot pin
Weight in kg: 0.065

Art. No. 01.129



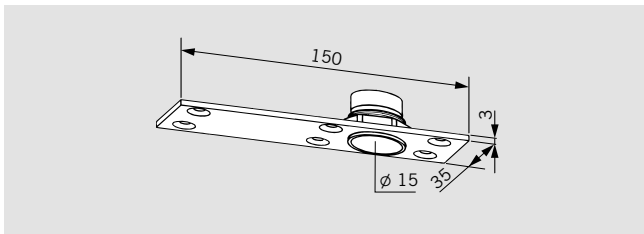
Top pivot bearing,
aluminium, for installation in frame or ceiling for 15 mm Ø pivot pin
Weight in kg: 0.018

Art. No. 01.130



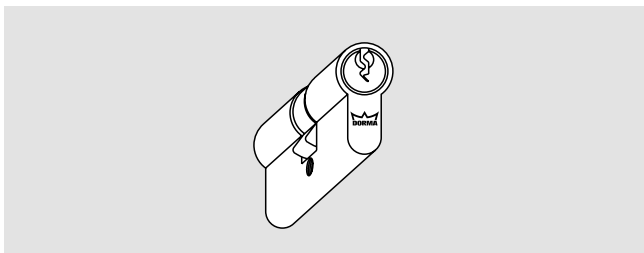
Top pivot bearing
with steel fixing plate,
for 15 mm Ø pivot pin
Weight in kg: 0.160

Art. No. 01.131



Top pivot bearing
with aluminium fixing plate,
for 15 mm Ø pivot pin
Weight in kg: 0.099

Art. No. 01.132

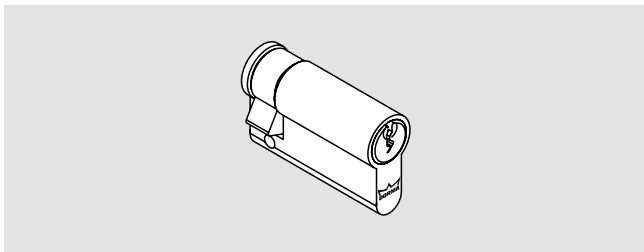


Profile cylinder
length 61 mm, differently keyed, with DORMA Logo

Art. No. 05.001

Profile cylinder
length 61 mm, equally keyed, with DORMA Logo

Art. No. 05.002

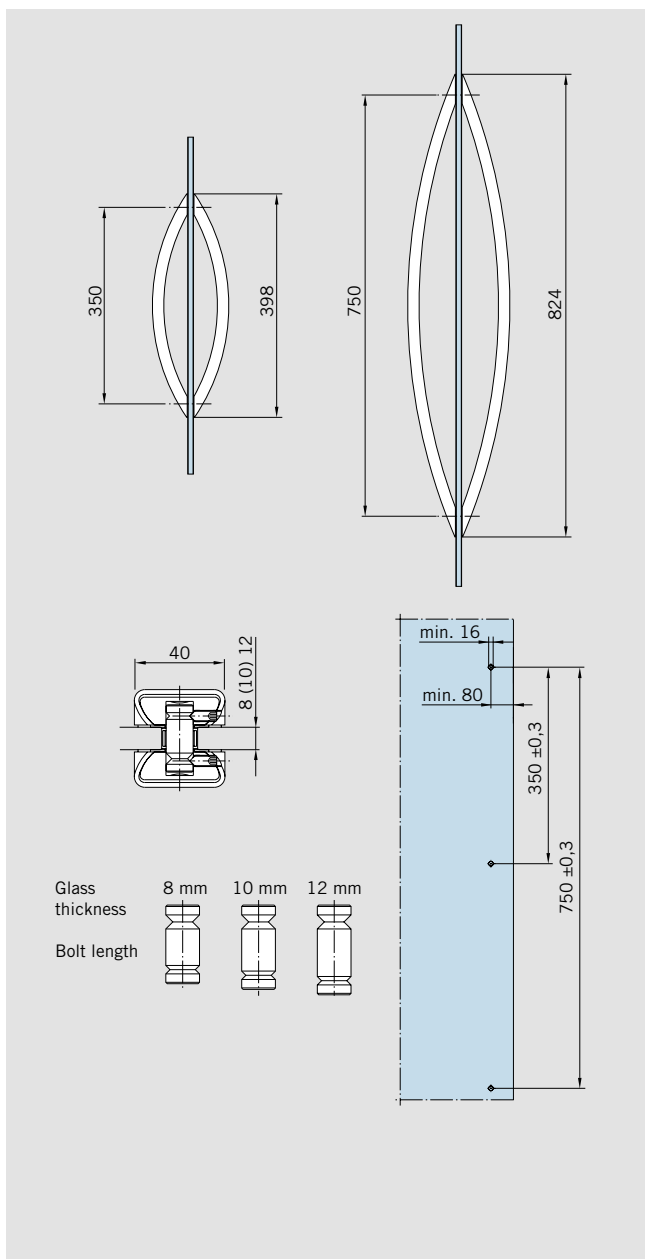


Half-profile cylinder
length 31 mm, differently keyed, with DORMA Logo

Art. No. 05.003

Half-profile cylinder
length 31 mm, equally keyed, with DORMA Logo

Art. No. 05.004



ARCOS handle bar Art. No. 26.500

350 mm
2 hole fixing for 8, 10 and 12 mm glass thickness
Weight in kg:
aluminium 1.660

ARCOS handle bar Art. No. 26.510

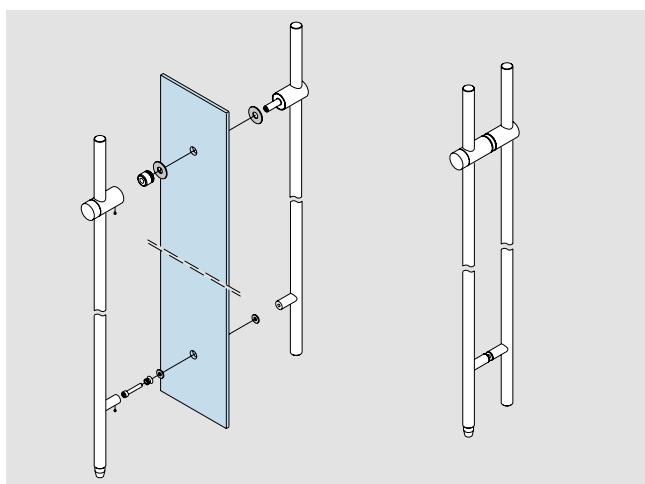
750 mm
2 hole fixing for 8, 10 and 12 mm glass thickness
Weight in kg:
aluminium 3.260

Gasket set for 8 mm glass thickness for

PT10/20/22/29/30/GK30 Art. No. 03.920
US 10/20/GK50 Art. No. 03.921
PT40/41/42/GK40/41/42 Art. No. 03.922
PT51 Art. No. 03.923
PT60/61/62 Art. No. 03.924
PT70/71 Art. No. 03.925
PT80/81 Art. No. 03.926
PT80 semi-high Art. No. 03.927
PT90/91 Art. No. 03.928
sidelight connector 01.153 Art. No. 03.929
patch fitting 03.198 Art. No. 03.930

Gasket set for 12 mm glass thickness for

PT10/20/22/29/30/GK30 Art. No. 03.900
US 10/20/GK50 Art. No. 03.901
PT40/41/42/GK40/41/42 Art. No. 03.902
PT51 Art. No. 03.903
PT60/61/62 Art. No. 03.904
PT70/71 Art. No. 03.905
PT80/81 Art. No. 03.906
PT80 semi-high Art. No. 03.907
PT90/91 Art. No. 03.908
sidelight connector 01.153 Art. No. 03.909
patch fitting 03.198 Art. No. 03.910

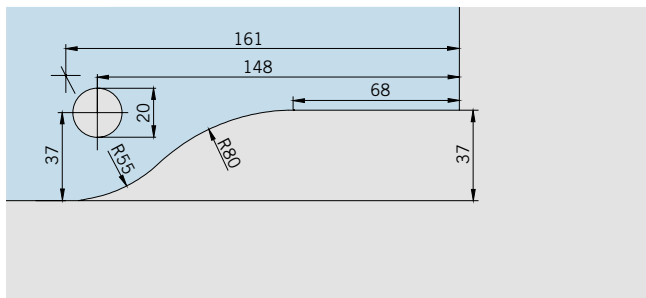


Lockable back to back handle bar Art. No. 21.279

for 6 – 16 mm glass,
1,225 mm, with 2 fixings,
complete with closing device
and cylinder

GLASS PREPARATION

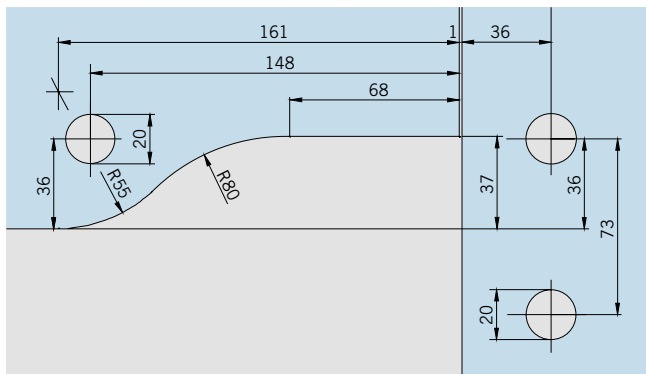
ARCOS PT 10, PT 20, PT 22, PT 30



Top and bottom patches,
overpanel patch
Scale 1 : 2

**Art. No. 26.100, 26.110,
26.112, 26.120, 26.420,
26.421**

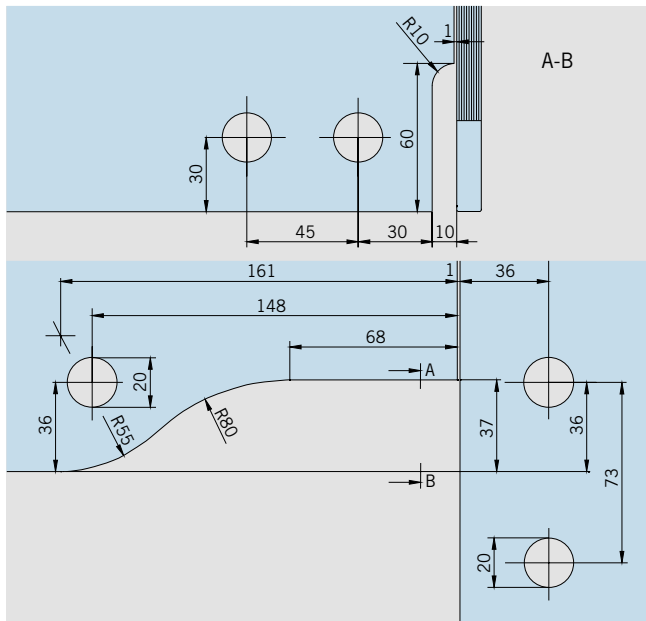
ARCOS PT 40



Patch for overpanel and side
panel
Scale 1 : 2

**Art. No. 26.140, 26.440,
26.441**

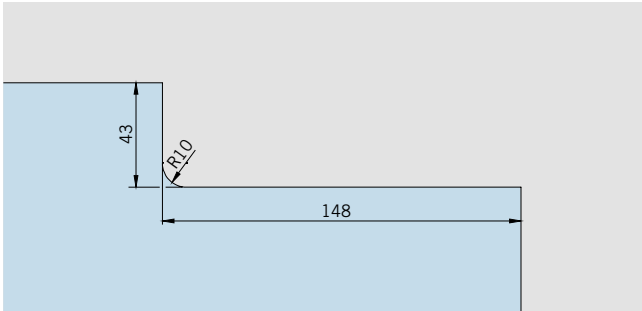
ARCOS PT 41, GK 41



Patch for overpanel and side
panel with fin fitting inside
Scale 1 : 2

**Art. No. 26.162, 26.163,
26.193, 26.194**

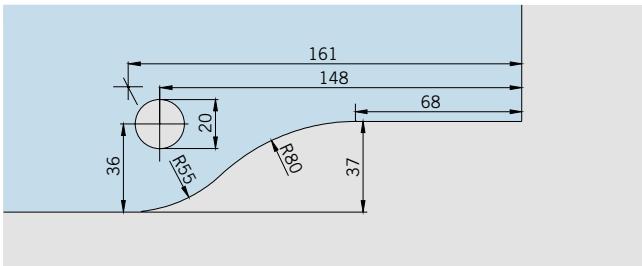
ARCOS US 10



Corner locks
Scale 1 : 2

Art. No. 26.206

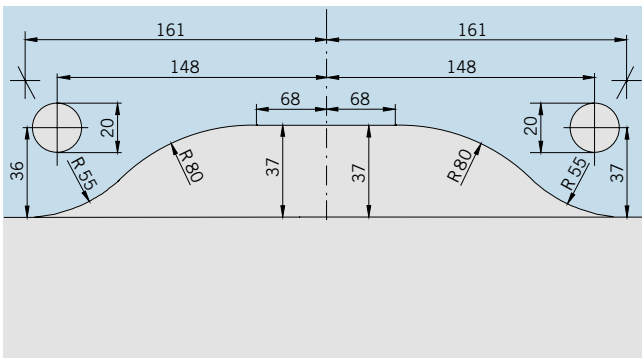
ARCOS GK 30 (PT 30)



Single overpanel strike box
Scale 1 : 2

Art. No. 26.230

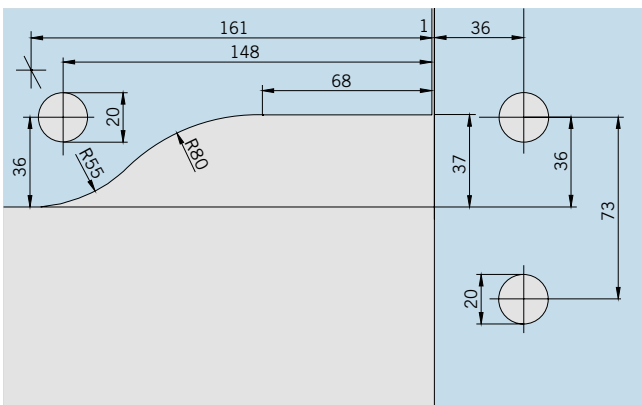
ARCOS GK 20



Double overpanel strike box
Art. No. 26.245
Scale 1 : 2.5

Double overpanel strike box
Art. No. 26.245
Scale 1 : 2.5

ARCOS GK 40 (PT 40)

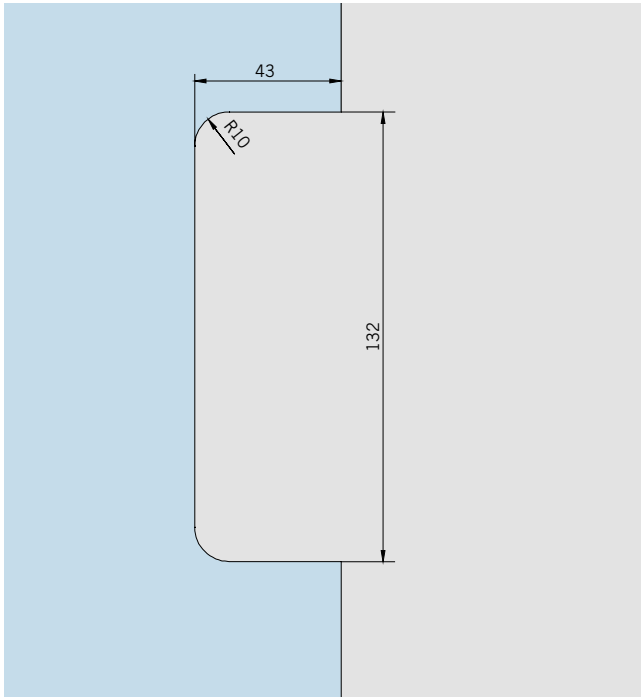


Corner overpanel strike box
Scale 1 : 2

Art. No. 26.250

GLASS PREPARATION

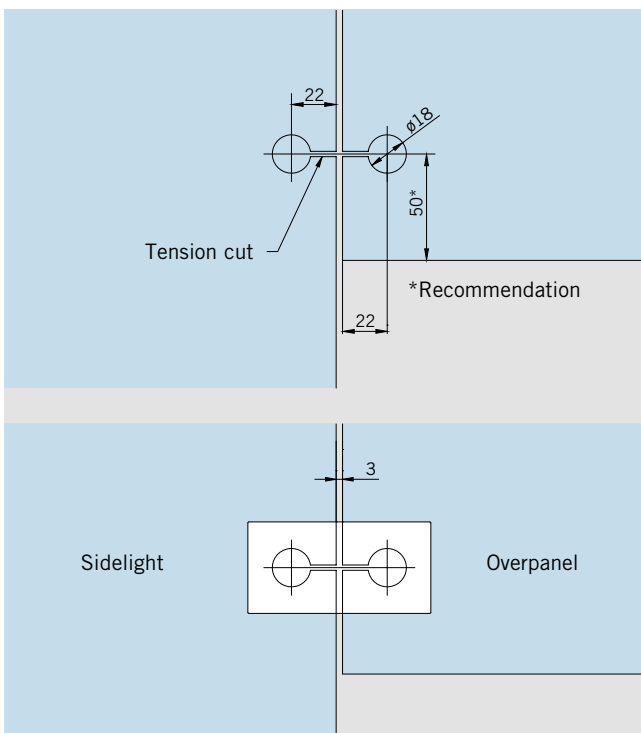
ARCOS US 20, GK 50



Centre lock
and strike box to suit centre lock
Scale 1 : 2

Art. No. 26.215
Art. No. 26.224

Overpanel-sidelight connector

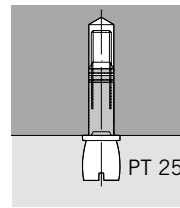
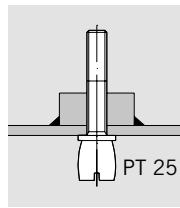
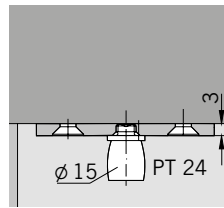
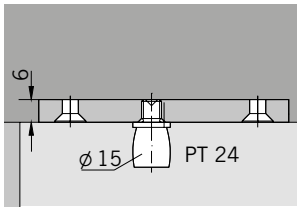


Weight in kg:
aluminium

0,146

Art. No. 12.136

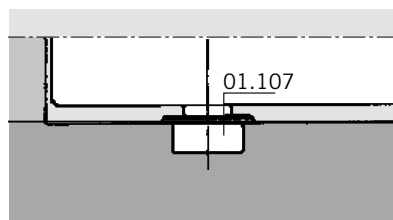
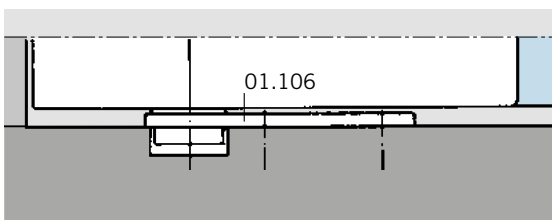
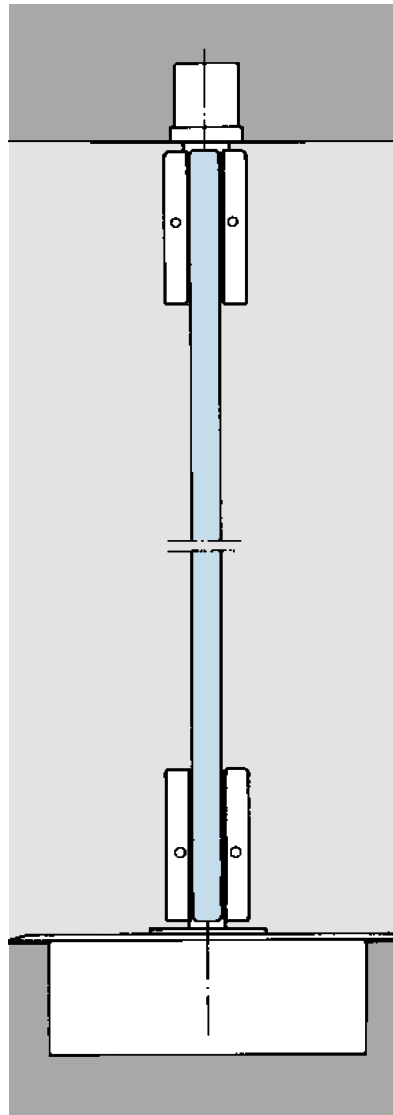
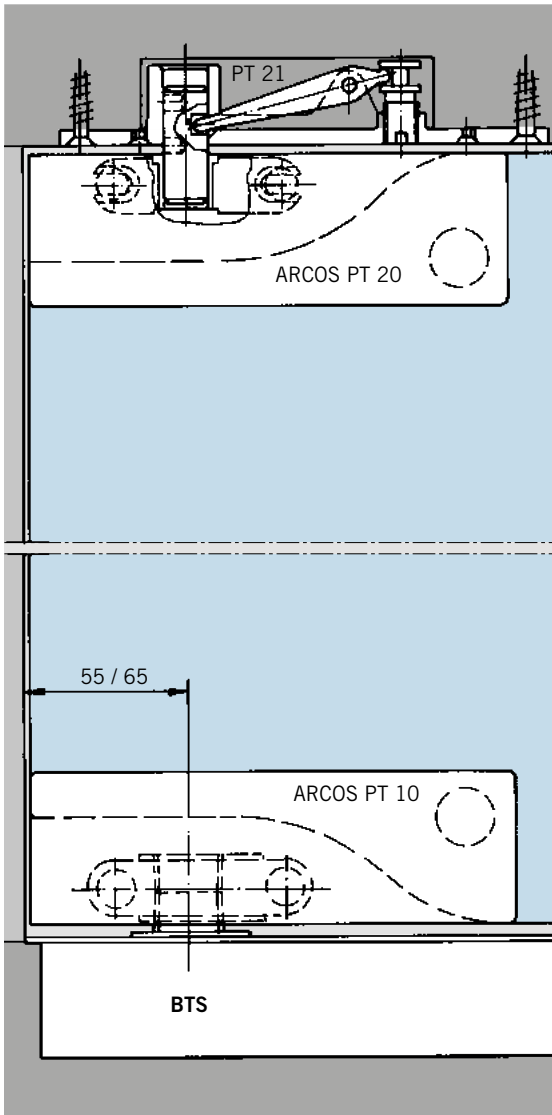
CONSTRUCTION DETAILS



Fixing of pivots and top centres

Fixing of top pivots and top centres for ARCOS PT 20 and ARCOS PT 22.

Fixing of floor springs, pivot bearings for ARCOS PT 10



ARCOS STUDIO

General information	26
Complete doorsets	
locks with follower	28
Complete doorsets	
locks for levers with roses	30
Locks with follower	32
Locks for levers with roses	33
Sets of levers for locks	
with follower	34
Sets of levers for locks	
prepared for levers	
with roses	35
Hinges	36
Special hinges	37
Frame pivots	38
Strike plates	39
Construction details	40



ACCENT ON THE ATTRACTIVE

The epitome of elegance

ARCOS Studio emphasises the abundance and generosity of the glass surface. Each door fitting and each hinge underlines the value of transparency in interior architecture. With various surface finishes and lever handle types, the system is able to harmonise with both design-orientated and functional environments.

Restricted use in swimming pools, saunas and brine baths

Due to chemicals (e. g. chlorine) that may occur in the air of swimming pools, saunas and brine baths the fittings are as a rule not suitable for use in such environments. If you intend to realise an application such as this nevertheless, we will be pleased to advise you further.

Surface finishes

ARCOS Studio is available in the following surface finishes:

- Aluminium, EV 1 deko (114)
- Aluminium, silver brilliant (103)
- Aluminium, brass-coloured EV 3 (105)
- Aluminium, similar to satin stainless steel (107)
- Traffic-white (300)
- Brass polished chromed (501)
- Brass polished / varnished (502)

Special finishes with anodised colours and other coatings can also be quickly provided on request.



Features ARCOS Studio

- Door weight, max. 45 kg
- Door width, max. 1,000 mm
- Frame depth, standard, 24 mm

Lock and latch types

- Non-locking latch
- Non-locking latch, with levers forward
- Prepared for Europrofile cylinder
- Public building type DIN 18 251, Class 3
- Prepared for KABA
- Warded lever lock with nightlatch function
- Bathroom lock function
- Strike box for double doors

Lock designs

- With follower for door levers without roses
- For door levers with roses

Hinge designs

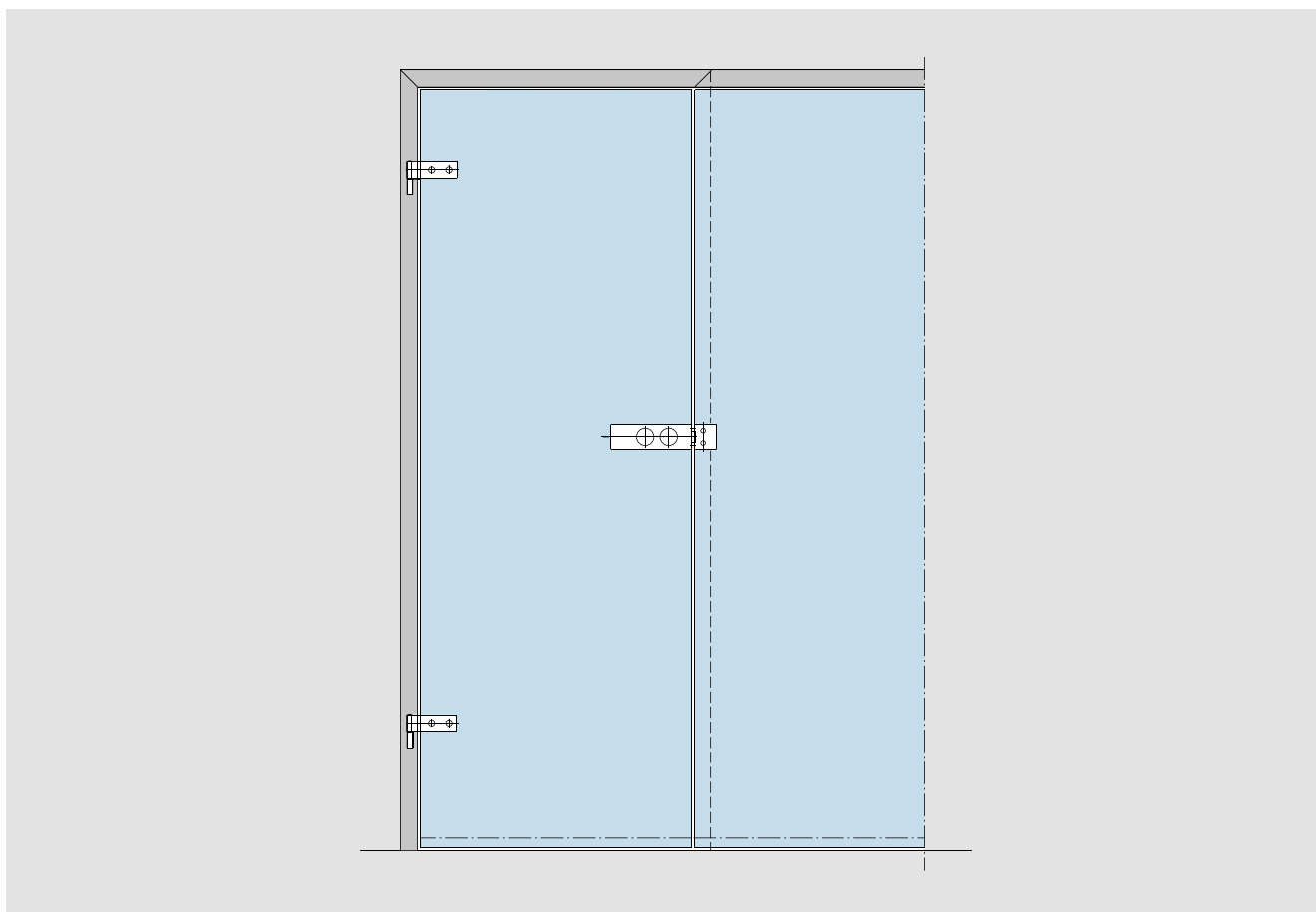
- For frame pivots
- With frame pivot for timber frame
- With frame pivot for steel frame

A RICH SELECTION OF DESIGNER HARDWARE

Three different ARCOS Studio lever handle types can be installed with roses or followers – and located either to the front or to the rear in the case of non-lockable lock fittings.

And there is plenty of choice of lockable lock models: with warded lever lock, Europrofile cylinder or Swiss standard 22 mm round cylinder.

Applications



Technical features

- Lever handle or knob – the dual-setting springing accommodates both alternatives to optimum effect
- Special cushioning elements provide for effective latch damping so the door clicks quietly yet securely into place
- The rugged internal components of the lock meet all the requirements of DIN 18251, Class 3, satisfying the type test criteria of 200,000 latch and 50,000 deadbolt operating cycles
- The fully closed zinc die-casting lock case ensures enhanced protection
- A sturdy metal latch rounds off the proven stability concept

COMPLETE DOORSETS

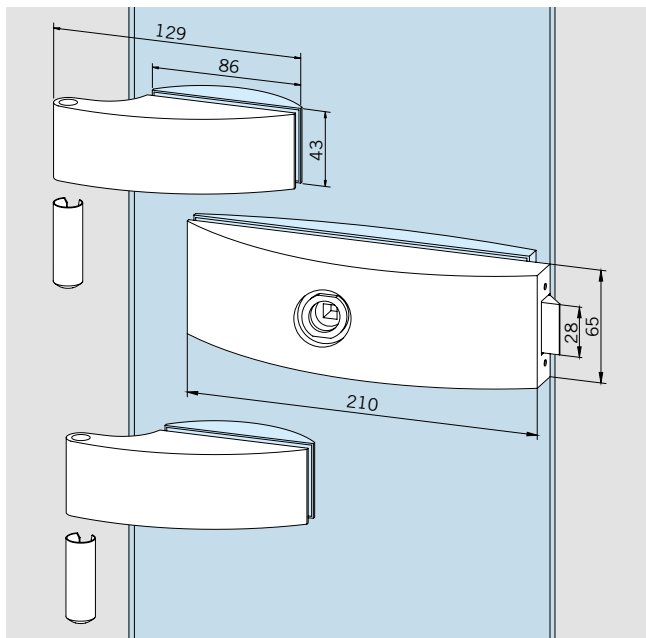
for 8 and 10 mm glass thickness, locks with follower

Locks acc. to DIN 18251, class 3, according to type testing (see page 27)

Door weight max. 45 kg, door width max. 1000 mm rebate depth 24 mm (for 8 mm glass thickness), 26 mm (for 10 mm glass thickness)

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.

Hinges to suit rebate depth 28–40 mm see page 52.



Lock with 2 hinges,

non-locking lock,
hinges with sleeves

8 mm glass thickness

Art. No. 24.100

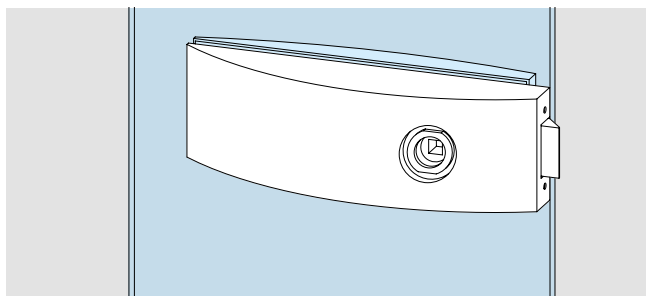
10 mm glass thickness

Art. No. 24.130

Weight in kg:

alumin. 1.580

brass 2.485



Lock with 2 hinges,

non-locking lock
with follower forward,
hinges with sleeves

8 mm glass thickness

Art. No. 24.101

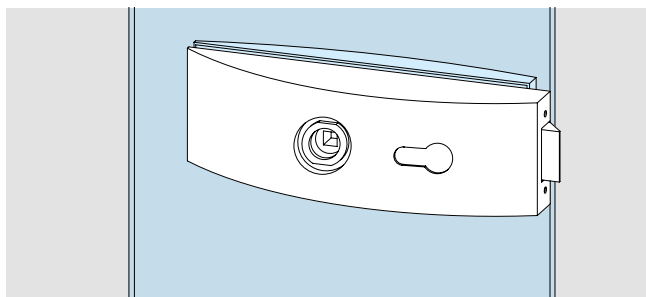
10 mm glass thickness

Art. No. 24.131

Weight in kg:

alumin. 1.625

brass 2.505



Lock with 2 hinges,

lock prepared for Europrofile
cylinder, nightlatch function,
hinges with sleeves

8 mm glass thickness

Art. No. 24.102

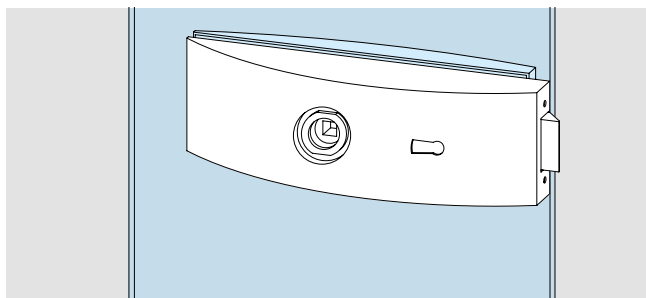
10 mm glass thickness

Art. No. 24.132

Weight in kg:

alumin. 1.565

brass 2.465



Lock with 2 hinges,

lever lock, nightlatch
function, 2 keys supplied,
hinges with sleeves

8 mm glass thickness

Art. No. 24.103

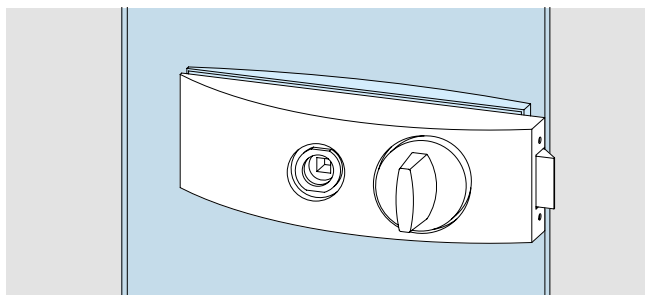
10 mm glass thickness

Art. No. 24.133

Weight in kg:

alumin. 1.630

brass 2.530



Lock with 2 hinges,

WC-toilet door,

hinges with sleeves

8 mm glass thickness

10 mm glass thickness

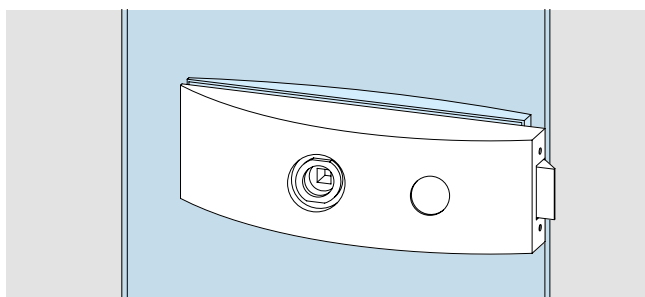
Weight in kg:

alumin. 1.716

brass 2.755

Art. No. 24.106

Art. No. 24.134



Lock with 2 hinges,

prepared for KABA,

hinges with sleeves

8 mm glass thickness

10 mm glass thickness

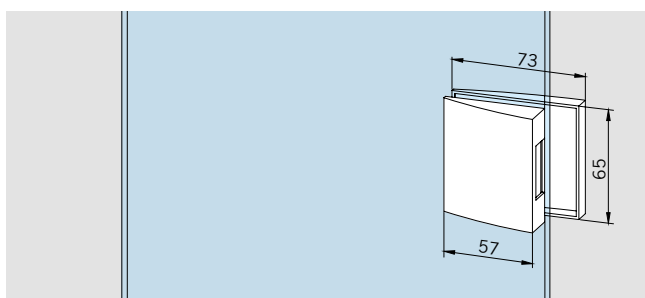
Weight in kg:

alumin. 1.630

brass 2.530

Art. No. 24.108

Art. No. 24.129



Strike box with 2 hinges,

for pairs of doors,

hinges with sleeves

8 mm glass thickness

10 mm glass thickness

Weight in kg:

alumin. 1.380

brass 2.295

Art. No. 24.120

Art. No. 24.125

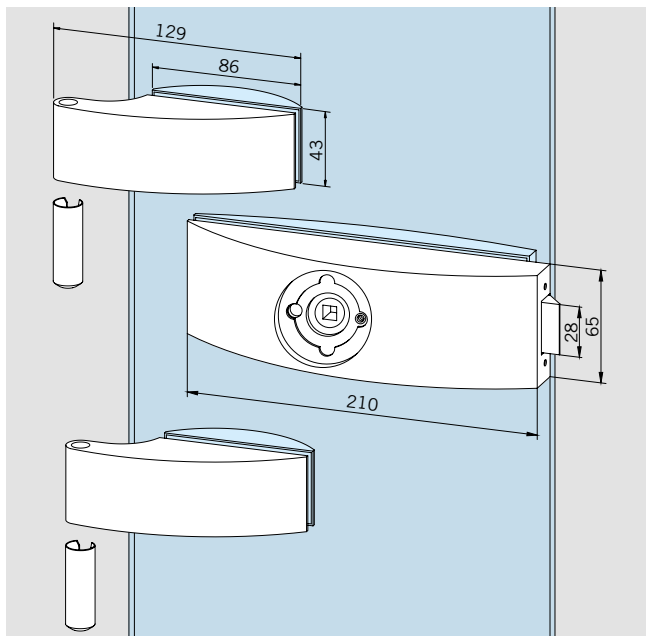
COMPLETE DOORSETS

for 8 and 10 mm glass thickness, locks for levers with roses

Locks acc. to DIN 18251, class 3, according to type testing (see page 27)

Door weight max. 45 kg, door width max. 1000 mm rebate depth 24 mm (for 8 mm glass thickness), 26 mm (for 10 mm glass thickness)

Hinges to suit rebate depth 28–40 mm see page 52.



Lock with 2 hinges,

non-locking lock,
hinges with sleeves

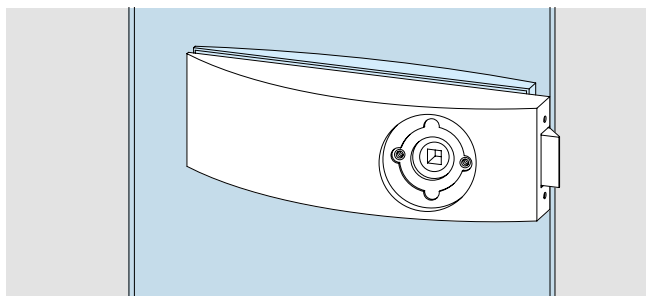
8 mm glass thickness
10 mm glass thickness

Weight in kg:

alumin. 1.580

Art. No. 24.110

Art. No. 24.135



Lock with 2 hinges,

non-locking lock
for lever forward,
hinges with sleeves

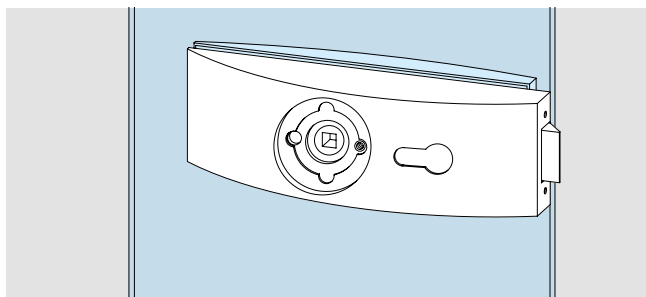
8 mm glass thickness
10 mm glass thickness

Weight in kg:

alumin. 1.585

Art. No. 24.111

Art. No. 24.136



Lock with 2 hinges,

lock prepared for Europrofile
cylinder, nightlatch function,
hinges with sleeves

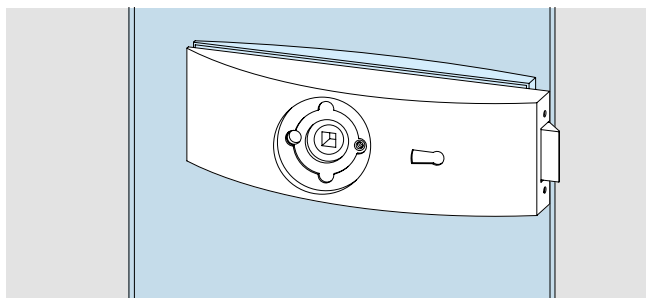
8 mm glass thickness
10 mm glass thickness

Weight in kg:

alumin. 1.565

Art. No. 24.112

Art. No. 24.137



Lock with 2 hinges,

lever lock, nightlatch
function, 2 keys supplied,
hinges with sleeves

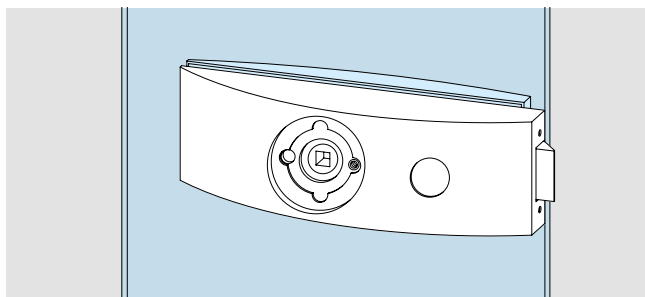
8 mm glass thickness
10 mm glass thickness

Weight in kg:

alumin. 1.575

Art. No. 24.113

Art. No. 24.138



Lock with 2 hinges,
prepared for KABA,
hinges with sleeves

8 mm glass thickness
10 mm glass thickness

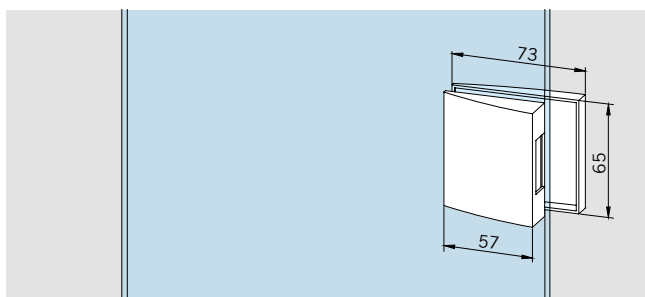
Weight in kg:

alumin.

1.575

Art. No. 24.118

Art. No. 24.139



Strike box with 2 hinges,

for pairs of doors,
hinges with sleeves

8 mm glass thickness
10 mm glass thickness

Weight in kg:

alumin.

1.380

brass

2.295

Art. No. 24.120

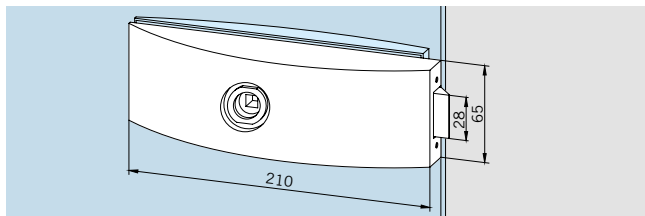
Art. No. 24.125

LOCKS WITH FOLLOWER

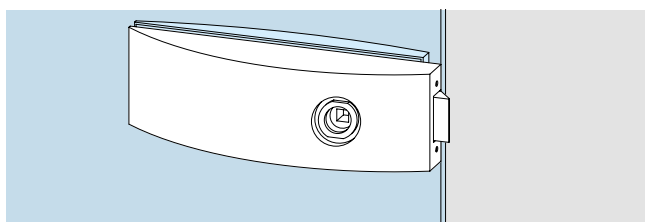
According to DIN 18251, class 3, according to type testing (see page 27)

Locks for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

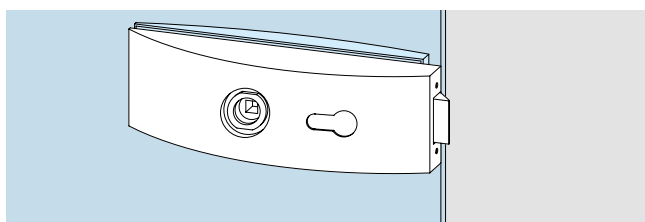
Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long. Hinges to suit rebate depth 28–40 mm see page 52.



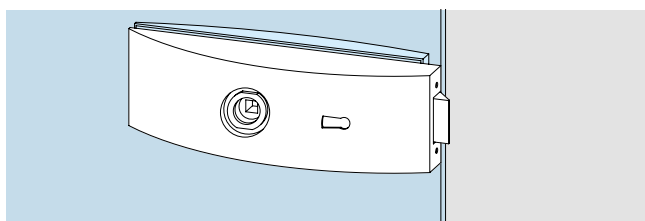
Lock, non-locking **Art. No. 24.200**
 Weight in kg:
 alumin. 0.840
 brass 1.055



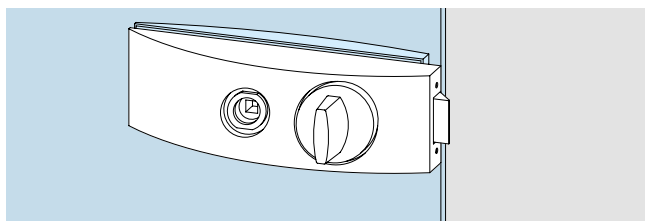
Lock, non-locking, with follower forward **Art. No. 24.201**
 Weight in kg:
 alumin. 0.845
 brass 1.055



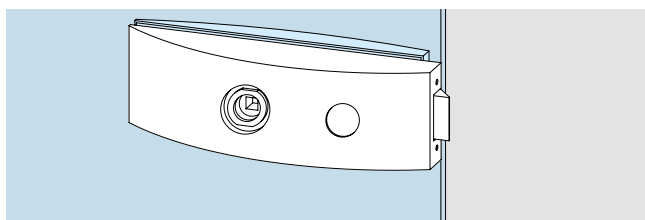
Lock, prepared for Europrofile cylinder, nightlatch function **Art. No. 24.202**
 Weight in kg:
 alumin. 0.815
 brass 1.030



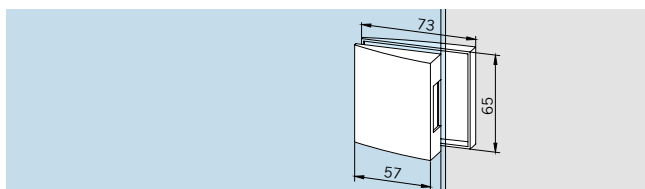
Lock, lever lock, nightlatch function, 2 keys supplied **Art. No. 24.203**
 Weight in kg:
 alumin. 0.850
 brass 1.090



Lock, WC – toilet door **Art. No. 24.206**
 Weight in kg:
 alumin. 1.111
 brass 1.398



Lock, prepared for KABA **Art. No. 24.207**
 Weight in kg:
 alumin. 0.850
 brass 1.090



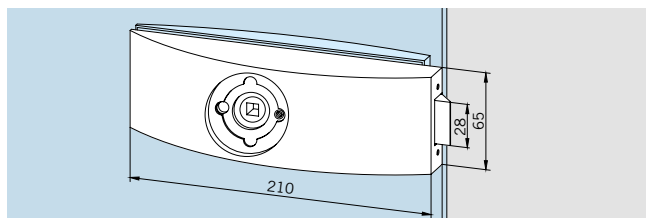
Strike box, for pairs of doors **Art. No. 24.220**
 Weight in kg:
 alumin. 0.610
 brass 0.903

LOCKS FOR LEVERS WITH ROSES

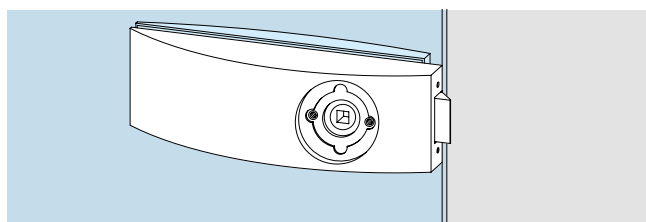
According to DIN 18251, class 3, according to type testing (see page 27)

Locks for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

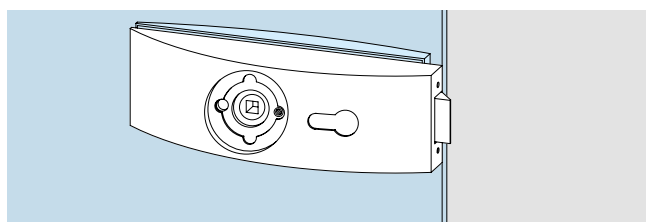
Hinges to suit rebate depth 28–40 mm see page 52.



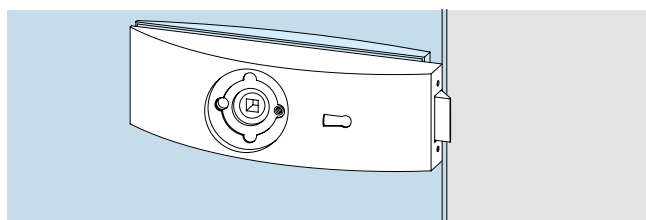
Lock, non-locking **Art. No. 24.210**
 Weight in kg:
 alumin. 1.580



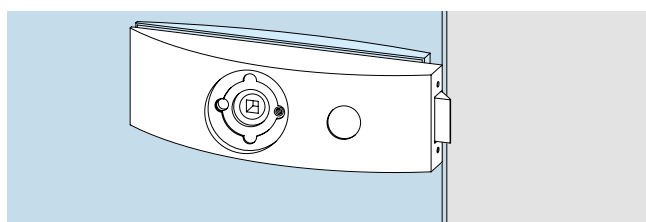
Lock, non-locking, for lever forward **Art. No. 24.211**
 Weight in kg:
 alumin. 1.625



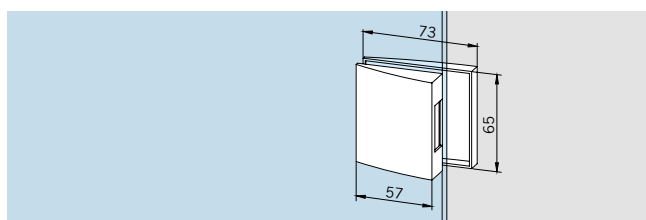
Lock, prepared for Europrofile cylinder, nightlatch function **Art. No. 24.212**
 Weight in kg:
 alumin. 1.565



Lock, lever lock, nightlatch function, 2 keys supplied **Art. No. 24.213**
 Weight in kg:
 alumin. 1.630

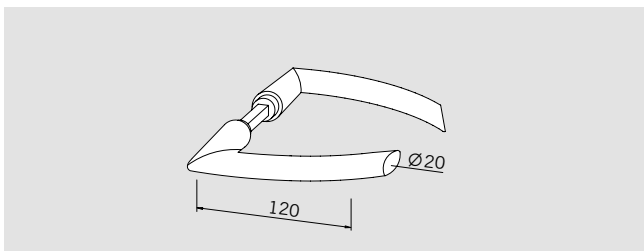


Lock, prepared for KABA **Art. No. 24.217**
 Weight in kg:
 alumin. 0.850



Strike box, for pairs of doors **Art. No. 24.220**
 Weight in kg:
 alumin. 0.610
 brass 0.903

SETS OF LEVERS FOR LOCKS WITH FOLLOWER



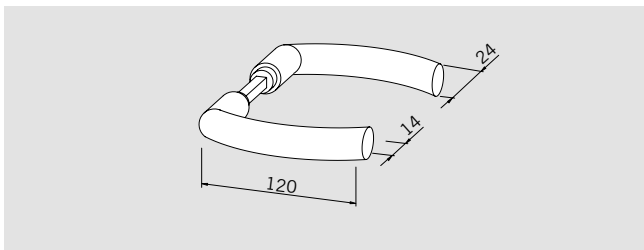
ARCOS Set of levers

Art. No. 24.301

Weight in kg:

alumin. 0.353

brass 0.959



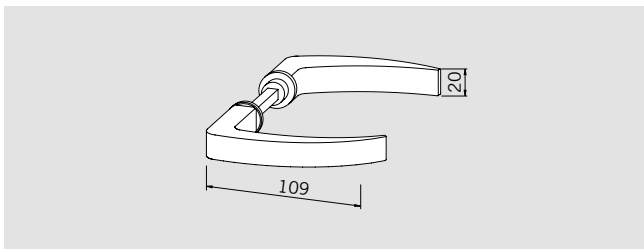
Set of levers,

Art. No. 24.302

with oval handle

Weight in kg:

alumin. 0.300



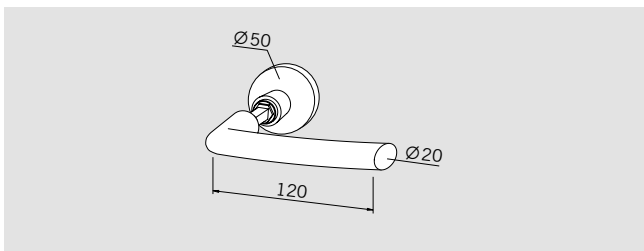
Set of levers,

Art. No. 24.303

with angular handle

Weight in kg:

alumin. 0.267



ARCOS lever and knob set

Art. No. 24.303

with ARCOS lever

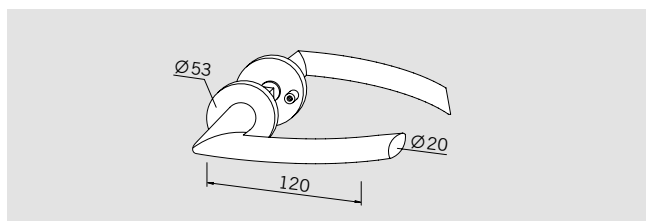
and free turnable knob

(turnable knob without function)

Weight in kg:

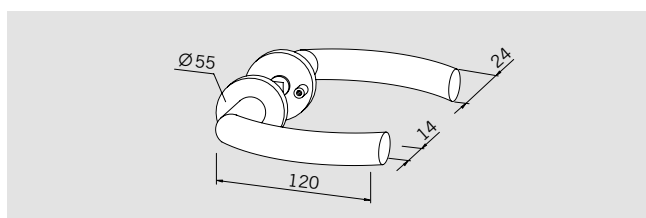
alumin. 0.335

SETS OF LEVERS FOR LOCKS PREPARED FOR LEVERS WITH ROSES



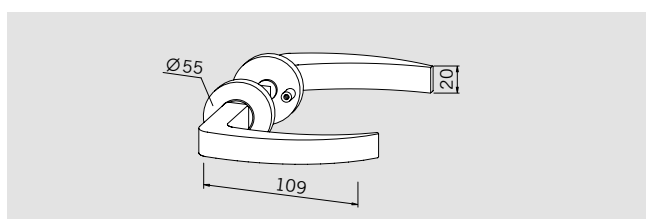
ARCOS Set of levers, with roses Art. No. 24.307

Weight in kg:
alumin. 0.420



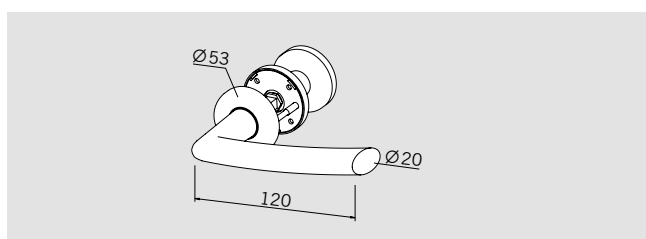
Set of levers, with oval handle, with roses Art. No. 24.308

Weight in kg:
alumin. 0.379



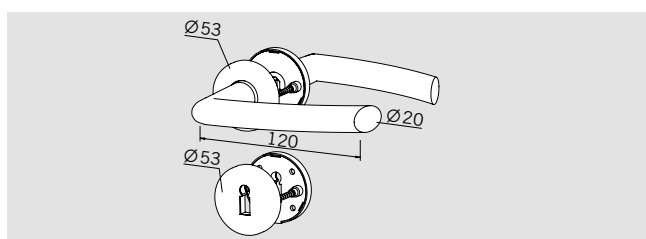
Set of levers, with angular handle, with roses Art. No. 24.309

Weight in kg:
alumin. 0.344



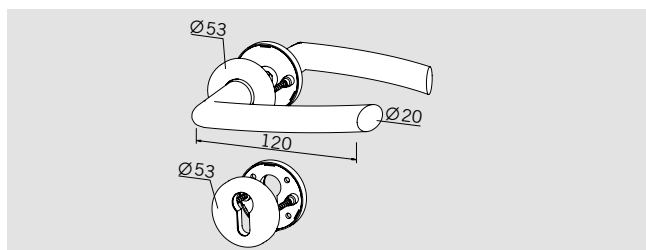
ARCOS lever and knob set with ARCOS lever and free turnable knob Art. No. 24.318

(turnable knob without function)
Weight in kg:
alumin. 0.377



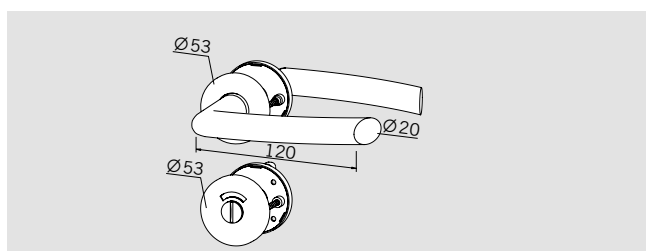
Set of levers for wooden doors Art. No. 24.322

incl. warded key rose
Weight in kg:
alumin. 0.485



Set of levers for wooden doors Art. No. 24.323

incl. profil cylinder rose
Weight in kg:
alumin. 0.485

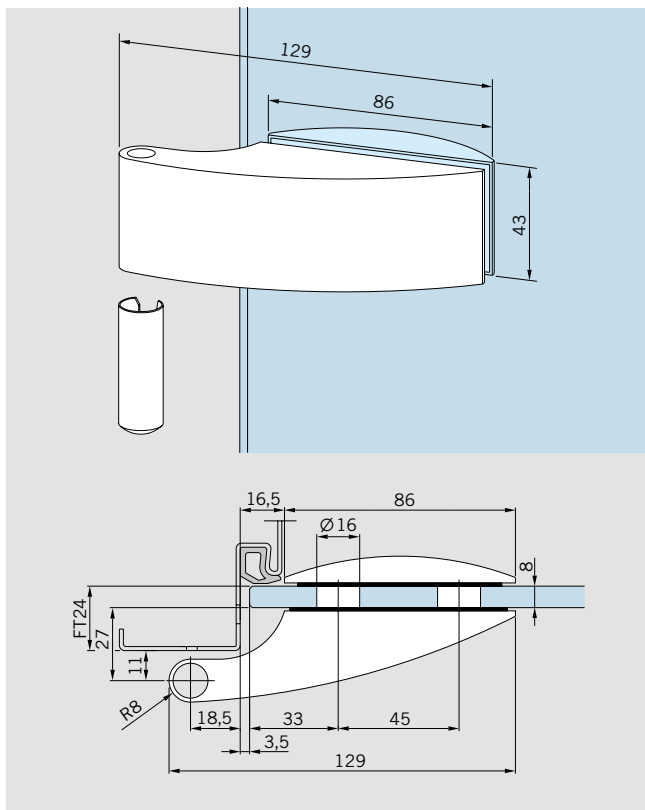


Set of levers for wooden doors Art. No. 24.324

incl. vacant / occupied indicator
Weight in kg:
alumin. 0.531

HINGES

for 8 mm glass thickness, for rebate depth 24 mm
 Door width max. 1000 mm



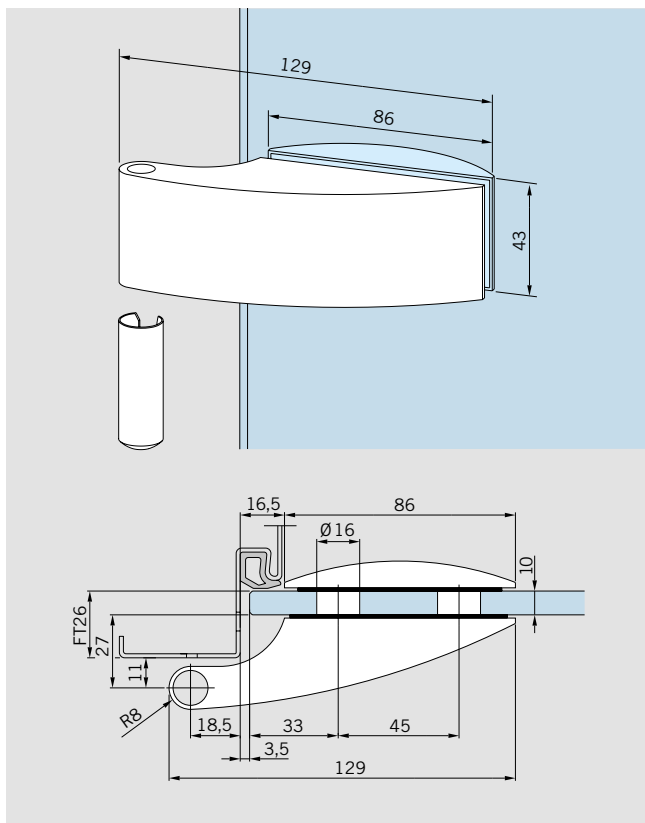
Hinge for frame pivot,
 complete with sleeve, to suit
 rebate depth 24 mm
 door weight max. 45 kg
 Weight in kg:
 alumin. 0.319

Art. No. 24.230

Filler piece with screws
 for rebate depth 28–40 mm,
 (please indicate),
 door weight max. 38 kg,
 used in combination
 with hinge 24.230
 Weight in kg:
 alumin. 0.144

Art. No. 24.420 (not illustr.)

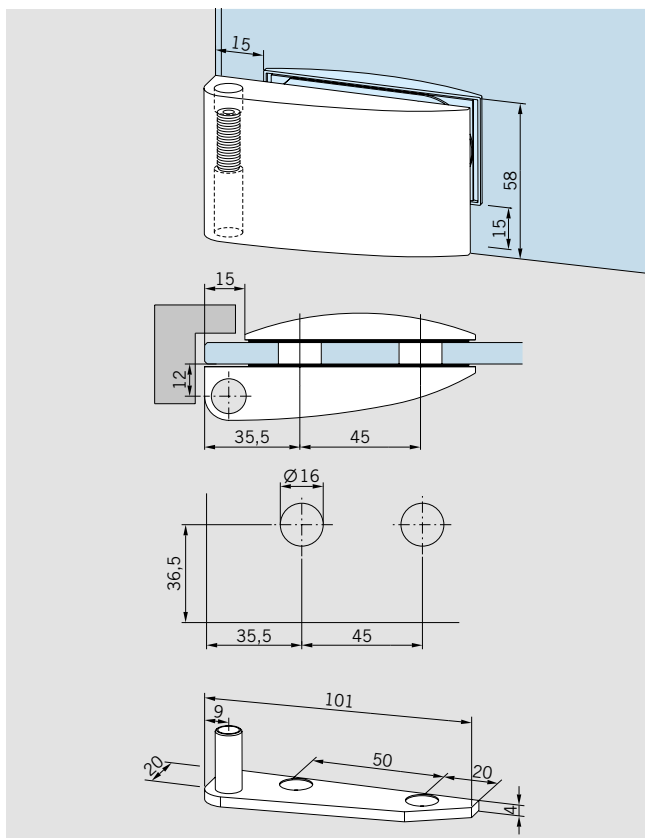
for 10 mm glass thickness, for rebate depth 26 mm
 Door width max. 1000 mm



Hinge for frame pivot,
 complete with sleeve,
 door weight max. 45 kg
 Weight in kg:
 alumin. 0.319

Art. No. 24.236

SPECIAL HINGES



ARCOS corner hinges, pairs,
with free glass edge (for rebate)
on top resp. underneath
and at side, height adjustable,
extended colour options,
door weight max. 35 kg
for 8 mm glass thickness

Art. No. 25.401

Art. No. 25.409

Weight in kg:

alumin. 0.588
brass 1.006

Pair of floor and top pivot

Art. No. 12.016

for corner hinges, brass satin
chromed, stainless steel pin

Weight in kg: 0.182

Piece of floor socket / top pivot

Art. No. 12.014

left bottom / top right

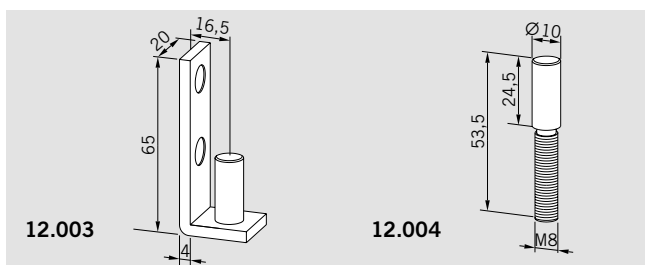
Weight in kg: 0.091

Piece of floor socket / top pivot

Art. No. 12.015

right bottom / top left

Weight in kg: 0.091



Frame fixed pivot for corner
hinges, brass satin chromed,
stainless steel pin

Art. No. 12.003

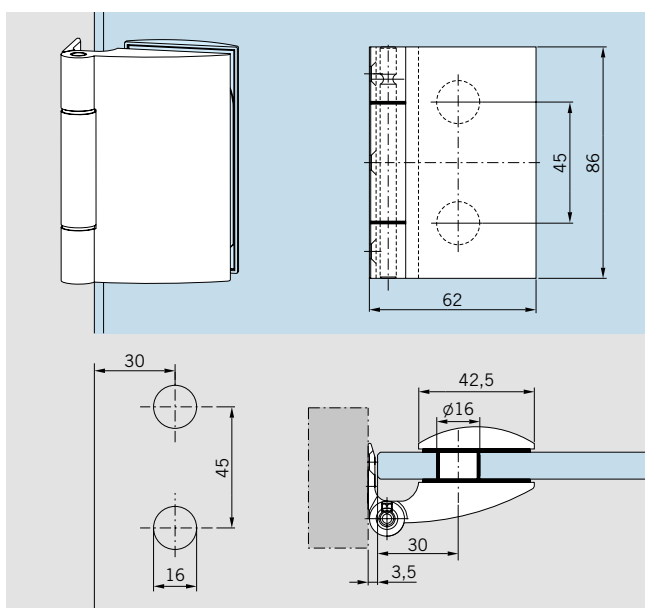
Weight in kg: 0.132

Screw-in pivot,

Art. No. 12.004

stainless steel

Weight in kg: 0.048



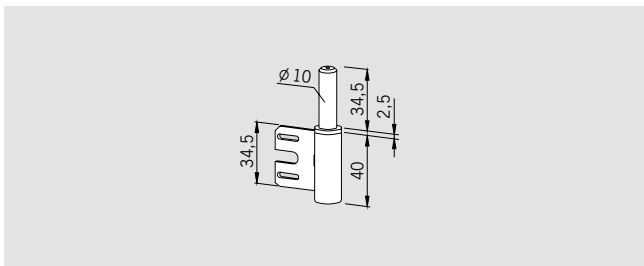
ARCOS hinge with frame pivot
for non-rebated frames,

Art. No. 25.450

hinge flap for screwing onto
frame, stainless steel pin,
plastic bushing,
door weight max. 40 kg,
door width max. 1000 mm

Weight in kg:
alumin. 0.205

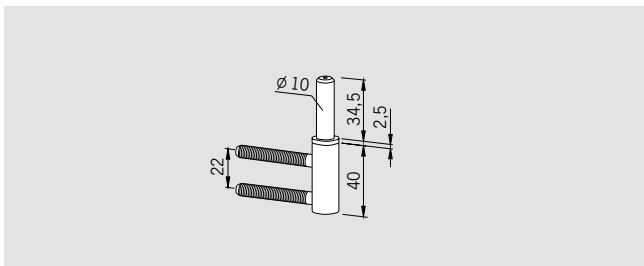
FRAME PIVOTS



Frame pivot for steel frames, Art. No. 10.423

with extra enhanced pivot pin
for Studio hinges, zinc plated
steel, plastic coated pivot pin

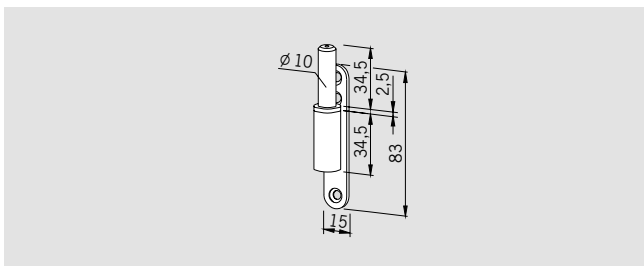
Weight in kg: 0.078



Frame pivot for wooden frames, Art. No. 10.424

with extra enhanced pivot pin
for Studio hinges, zinc plated
steel, plastic coated pivot pin

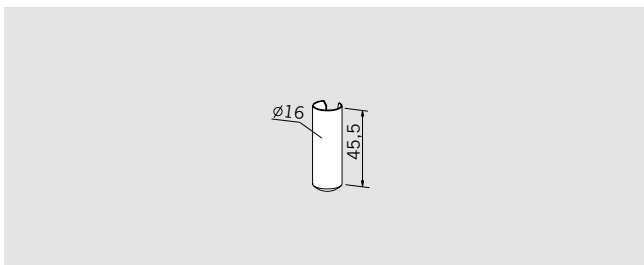
Weight in kg: 0.090



Screw-on frame pivot, Art. No. 10.407

with extra enhanced pivot pin
for Studio hinges, zinc plated
steel, plastic coated pivot pin

Weight in kg: 0.094



Push-on sleeve Art. No. 10.408

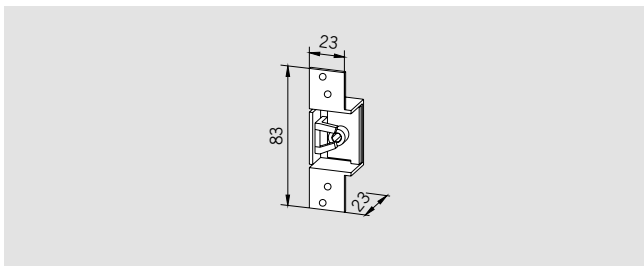
for frame pivots

Art. No. 10.400, 10.404,
10.407

Weight in kg:

alumin. 0.002

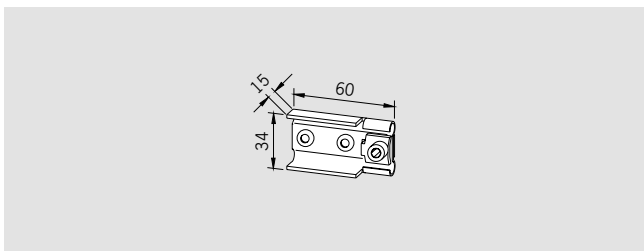
brass 0.006



Frame pocket for steel frame, Art. No. 10.406

zinc plated steel

Weight in kg: 0.073

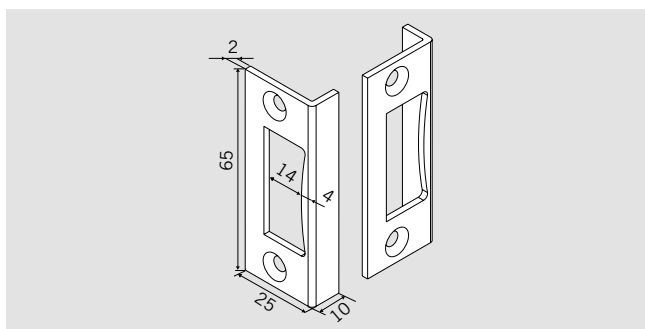


Frame pocket for wooden frame, Art. No. 10.405

zinc plated steel

Weight in kg: 0.060

STRIKE PLATES

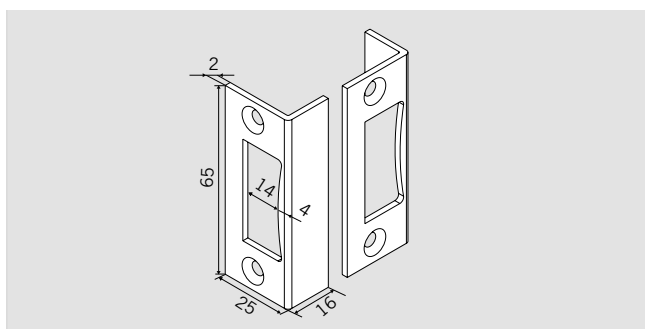


Corner strike plate

Art. No. 10.401

Weight in kg:

aluminium 0.008

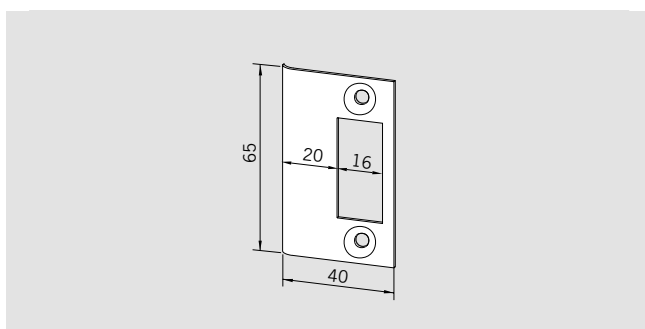


**Corner strike plate
with 16 mm side piece**

Art. No. 10.411

Weight in kg:

aluminium 0.008



Strike plate

Art. No. 10.421

Weight in kg:

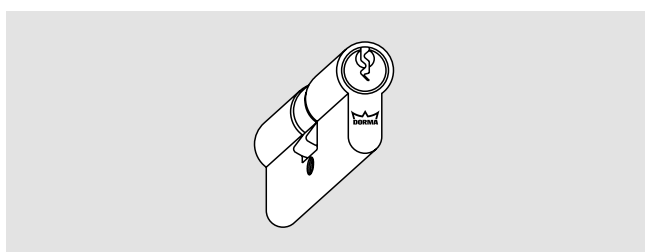
stainless steel 0.019

Strike plate

Art. No. 10.422

Weight in kg:

brass 0.022



Profile cylinder

Art. No. 05.001

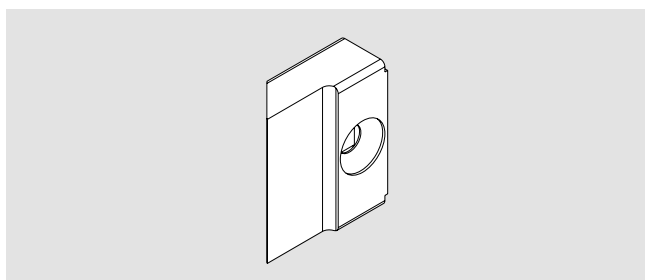
length 61 mm, differently
keyed, with DORMA Logo

Profile cylinder

Art. No. 05.002

length 61 mm, equally keyed,
with DORMA Logo

SPECIAL LATCH



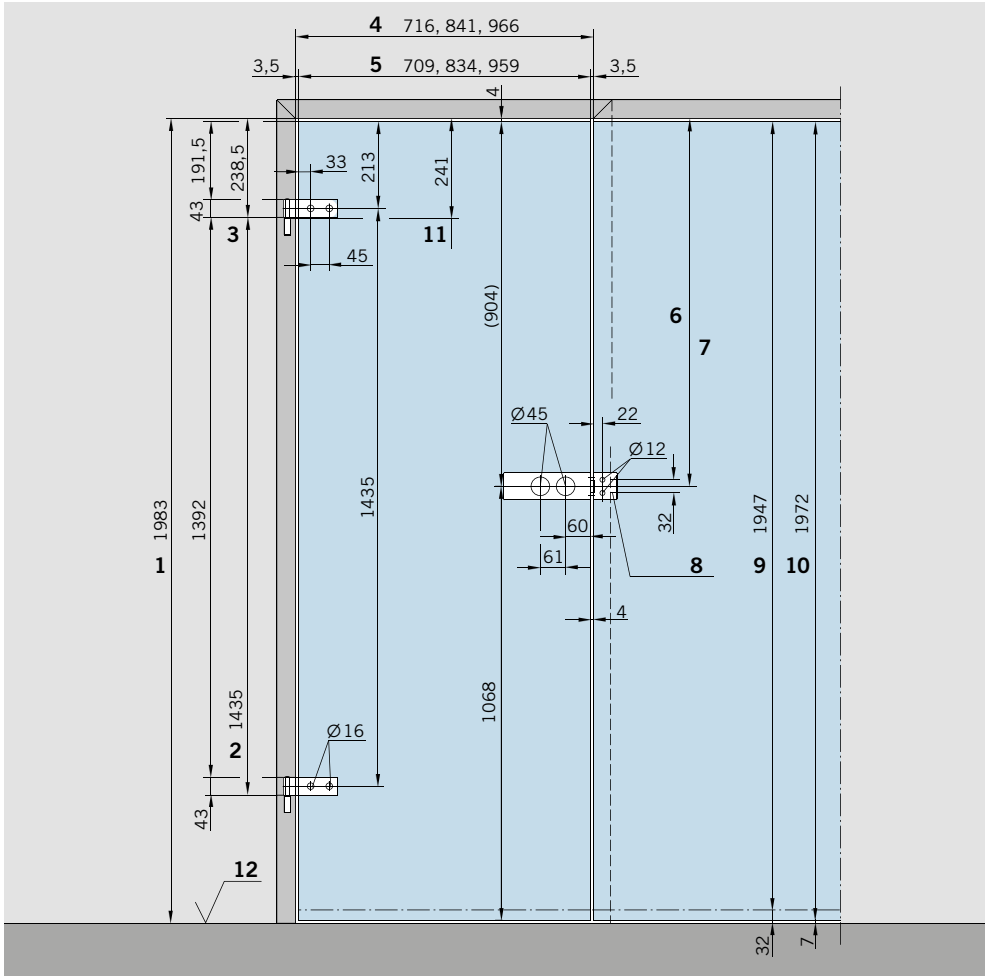
**Single latch for Austrian norm
frames** and for the combination
of 10 mm glass with a 24 mm
frame depth, usable for
Studio Rondo, Classic, Gala
and ARCOS

Art. No. 10.066

**Please note: For further accessories please see our technical brochure
"Fittings for toughened glass internal doors".**

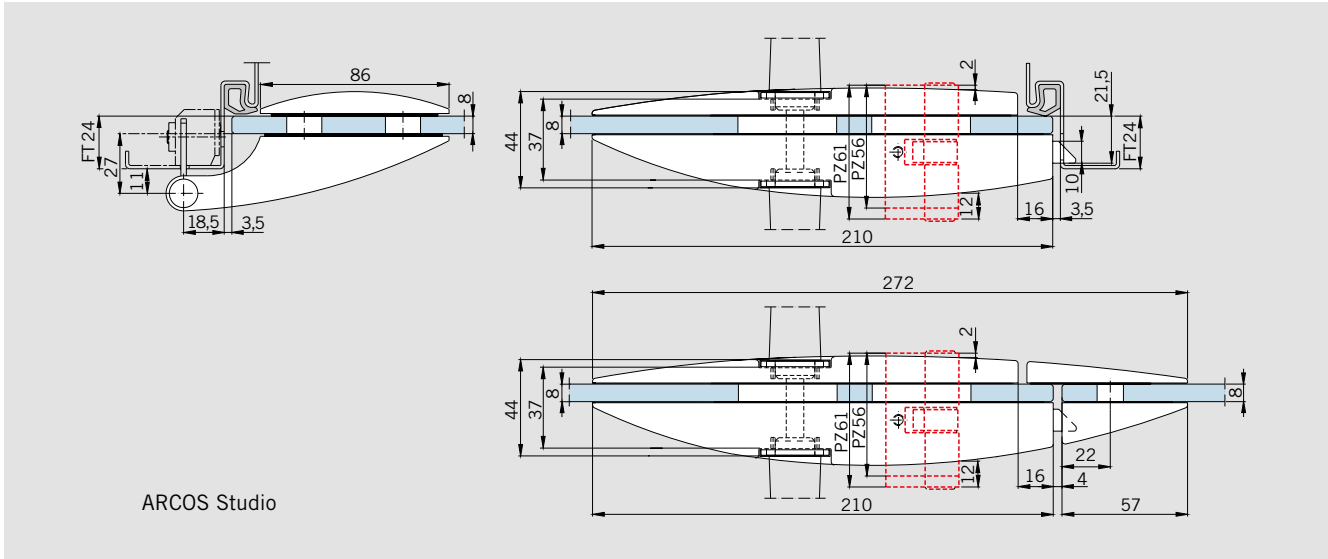
CONSTRUCTION DETAILS

for frame pivots page 41

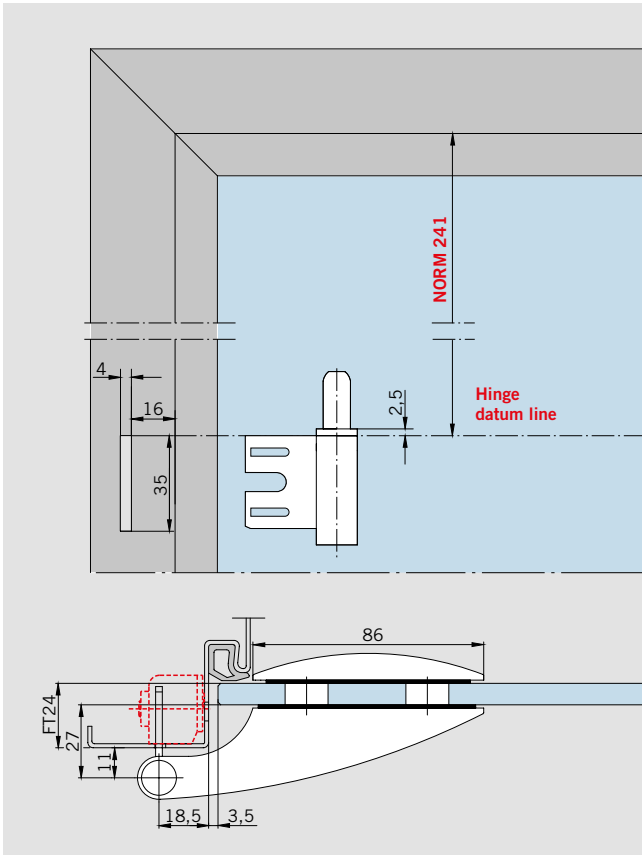


- 1 Frame rebate height
- 2 Standard hinge support to DIN 18 111
- 3 Standard hinge support
- 4 Frame rebate width
- 5 Glass width
- 6 Centre lock bolt
- 7 Usually 908 mm for doors 1972 mm high
- 8 Strike box
- 9 Glass height (type S)
- 10 Glass height (type N)
- 11 Hinge datum line to DIN 18 268
- 12 Finished floor level (FFL)

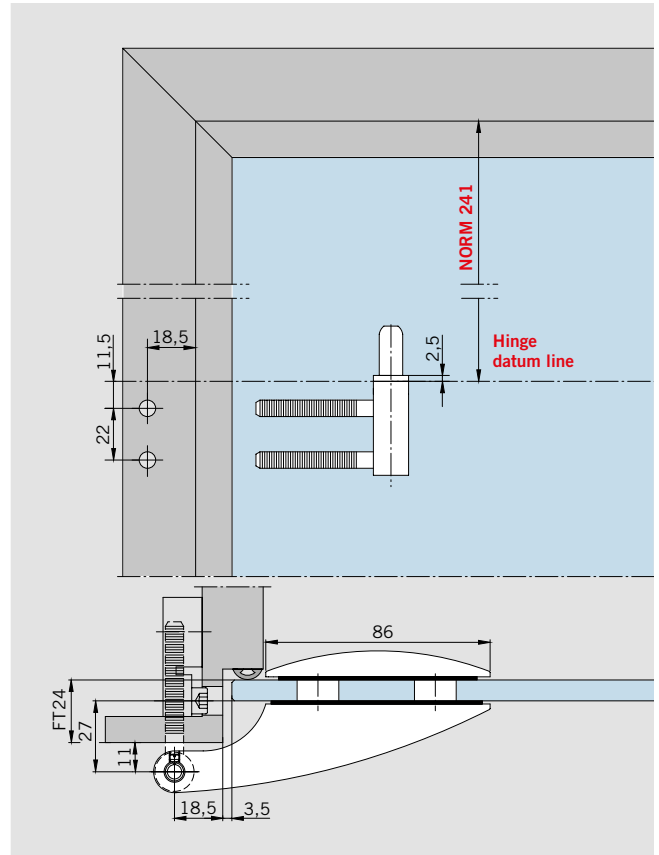
Section



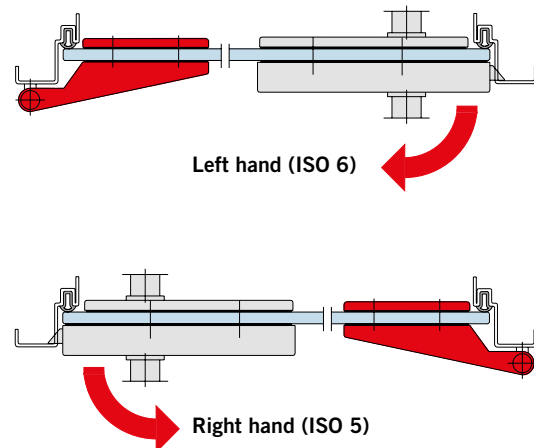
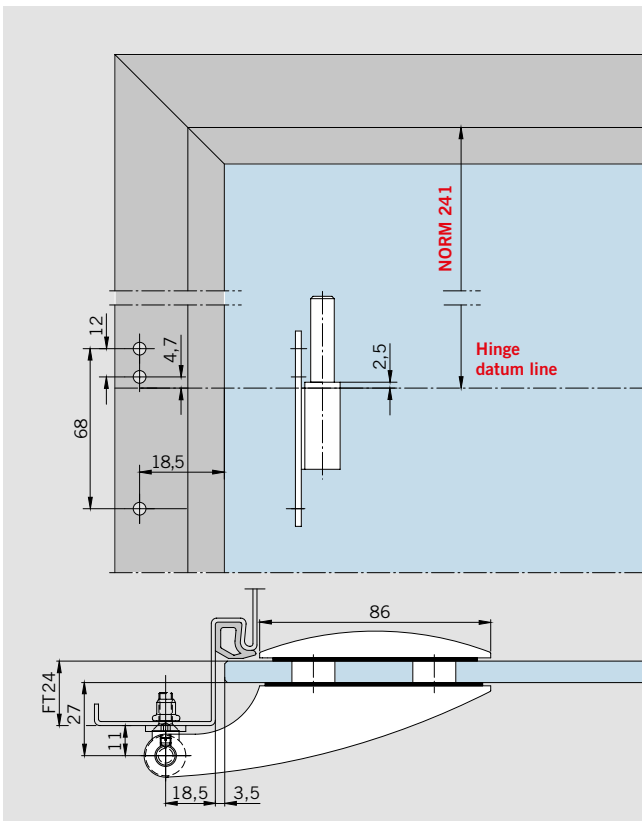
Frame pivot for steel frames



Frame pivot for wooden frames



Screw on frame pivot



ARCOS OFFICE

General information	44
Locks for levers with roses	46
Locks with follower	48
Sets of levers for locks with follower	50
Sets of levers for locks prepared for levers with roses	51
Hinges	52
Corner strike plate	
Profile cylinder	
Frame pivots and accessories	54
Construction details	56
Frame pivot	58
Accessories	60



HEAVY-DUTY ELEGANCE

Reliable

ARCOS Office glass door fittings are able to withstand heavy usage. Day in, day out. Whether non-lockable or prepared for Europrofile cylinders – DORMA's Office fittings have a long and successful track record, particularly in the project sector. ARCOS combines proven functionality with aesthetic elegance.

Surface finishes

ARCOS Office is available in the following surface finishes:

- Aluminium, EV 1 deko (114)
- Aluminium, similar to satin stainless steel (107)

Special finishes with anodised colours and other coatings can also be quickly provided on request.

Restricted use in swimming pools, saunas and brine baths

Due to chemicals (e. g. chlorine) that may occur in the air of swimming pools, saunas and brine baths the fittings are as a rule not suitable for use in such environments. If you intend to realise an application such as this nevertheless, we will be pleased to advise you further.



Features ARCOS Office

- Door weight, max. 55, 60, 70 kg
- Door width, max. 1,000, 1,200 mm
- Frame depth, standard, 24, 40 mm

Lock and latch types

- Low-noise „whisper“ functionality (Whisper latch = latch head partially plastic-sheated / damped latch motions)
- Adjustable lever handle follower $\pm 1^\circ$ for avoidance of „lever handle sag“ droop
- Non-locking latch
- Prepared for Europrofile cylinder
- External compliance approval to DIN EN 12209
- Warded lever lock without nightlatch function
- Strike box for double doors

Lock designs

- With follower for door levers without roses
- For door levers with roses

Hinge designs

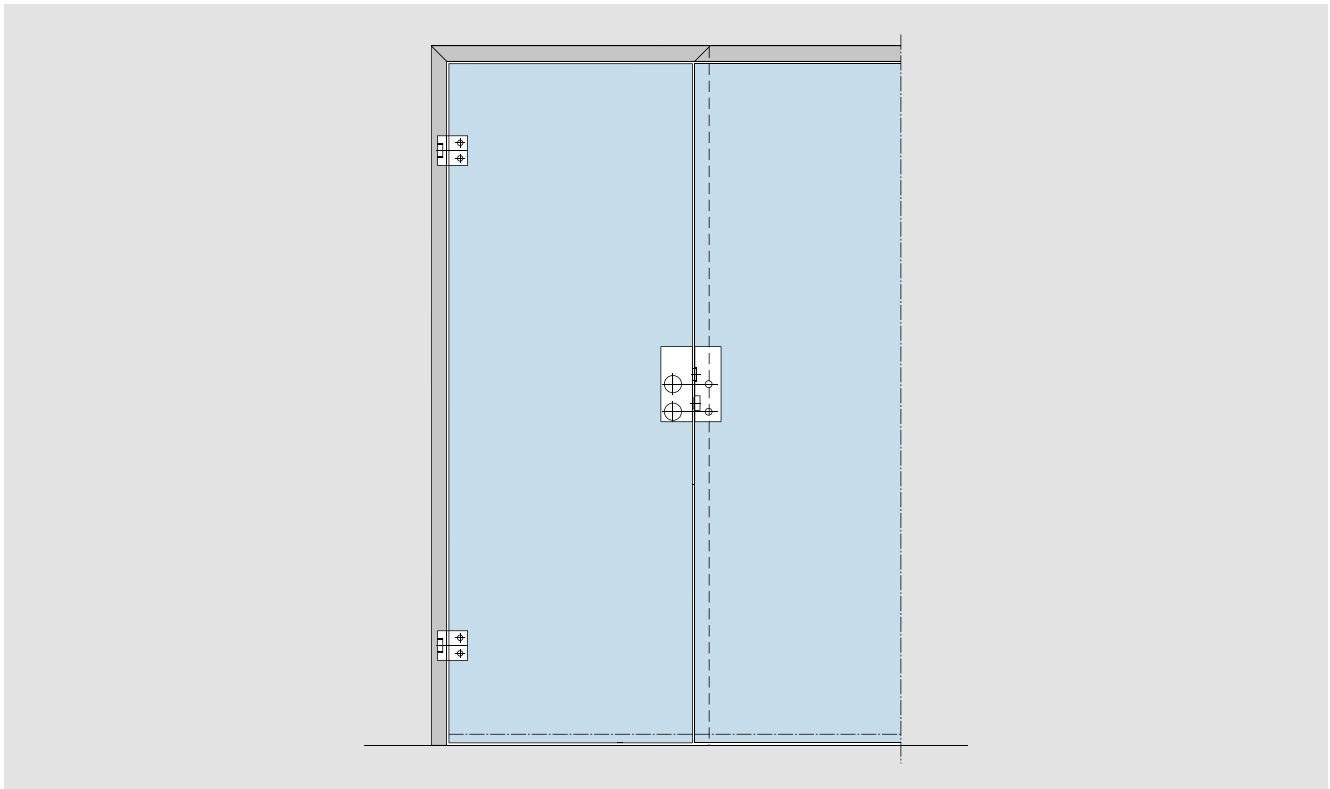
- For frame pivots
- With frame pivot for aluminium frame
- With frame pivot for timber frame
- With frame pivot for steel frame
- For project doors

PRESTIGIOUS IN ALL ITS VARIANTS

A lever handle specially designed for the ARCOS range completes the integrated design concept. It repeats the radius of the fitting for perfect styling harmony.

Standard types of fittings in the materials and surface finishes indicated are available from stock.

Applications



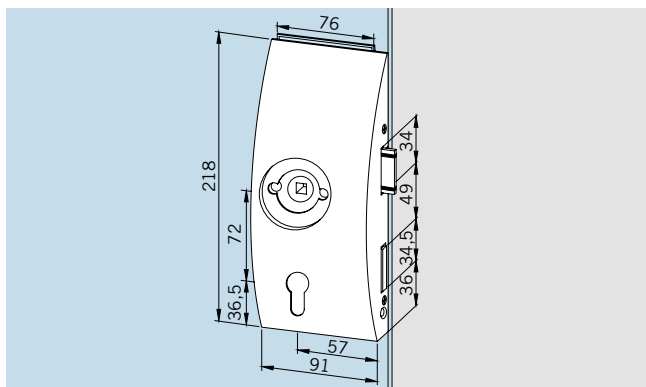
Technical features

- Lock insert with low-noise “whisper” functionality as standard. The whisper latch (study metal latch – partially plastics-sheathed and damped latch motions for noise minimisation) satisfy particularly high expectations, including the requirements of government agencies and public authorities
- Adjustable lever handle follower $\pm 1^\circ$, patent pending, for avoidance of “lever handle sag” (droop). Further on a special self-adjusting clamp follower holds the lever handle perfectly secure.
- The fully closed lock case provides optimum protection for the internal components which themselves are of rugged unit construction
- Locks comply to the current DIN EN 12209. They are designed for use in public buildings.
- Moreover these locks were tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.
- Special versions of the fitting manufactured in high-grade anti-corrosion materials are available for wet room applications.

LOCKS FOR LEVERS WITH ROSES

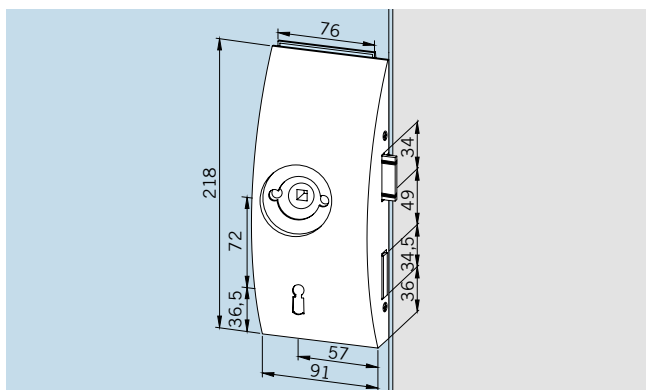
Complying to the current DIN EN 12209, successfully tested during extended type testing (see page 45)

Locks supplied as standard for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.



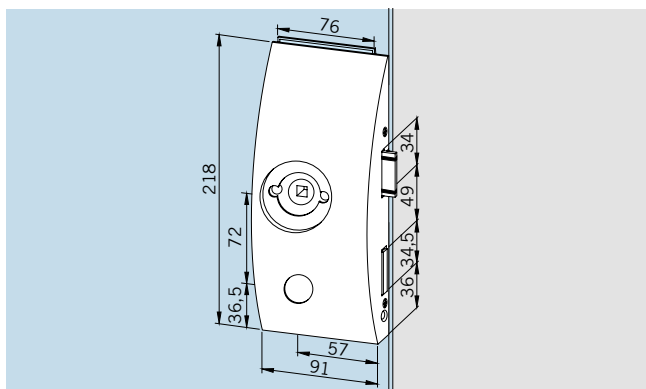
Lock, prepared for Europrofile cylinder, nightlatch function
 Weight in kg:
 aluminium 1.214

Art. No. 25.200 L
Art. No. 25.201 R (not illustr.)



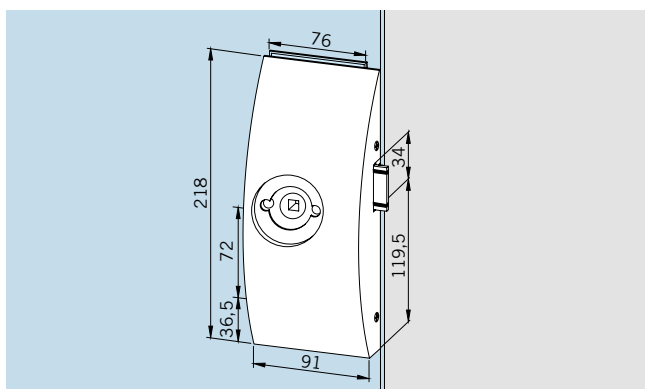
Lock, lever lock, without nightlatch function, 2 keys supplied
 Weight in kg:
 aluminium 1.115

Art. No. 25.202 L
Art. No. 25.203 R (not illustr.)



Lock, prepared for KABA, nightlatch function
 Weight in kg:
 aluminium 1.075

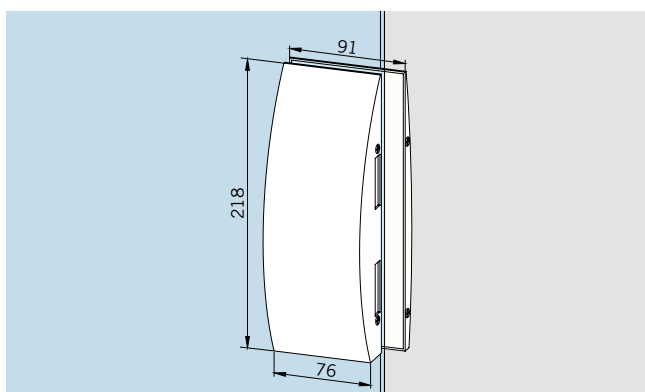
Art. No. 25.240 L
Art. No. 25.241 R (not illustr.)



Lock, non-locking
Weight in kg:
aluminium

1.040

Art. No. 25.208 L
Art. No. 25.209 R (not illustr.)



Strike box, for pairs of doors,
extended colour options
Weight in kg:
aluminium

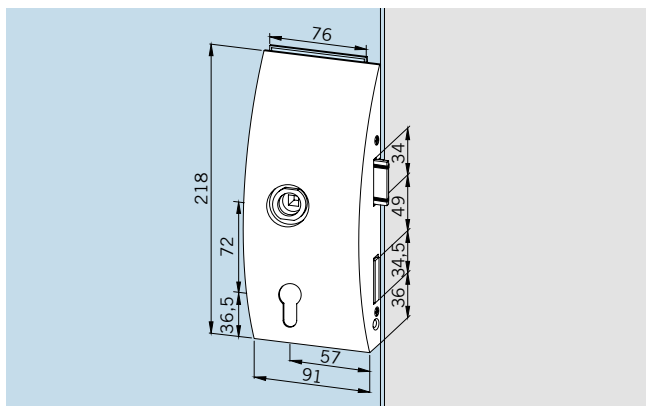
1.019

Art. No. 25.206 L
Art. No. 25.207 R (not illustr.)

LOCKS WITH FOLLOWER

Complying to the current DIN EN 12209, successfully tested during extended type testing (see page 45)

Locks supplied as standard for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.



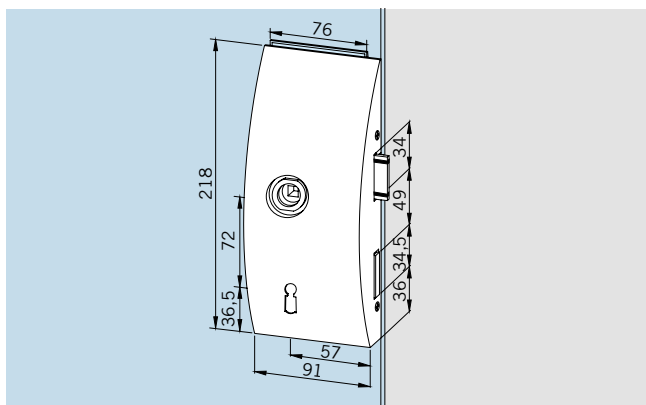
Lock, prepared for Europrofile cylinder, nightlatch function

Art. No. 25.260 L

Art. No. 25.261 R (not illustr.)

Weight in kg:

aluminium 1.165



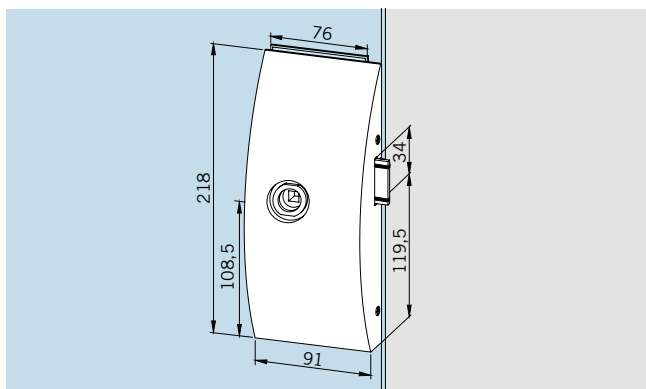
Lock, lever lock, without nightlatch function, 2 keys supplied

Art. No. 25.262 L

Art. No. 25.263 R (not illustr.)

Weight in kg:

aluminium 1.115



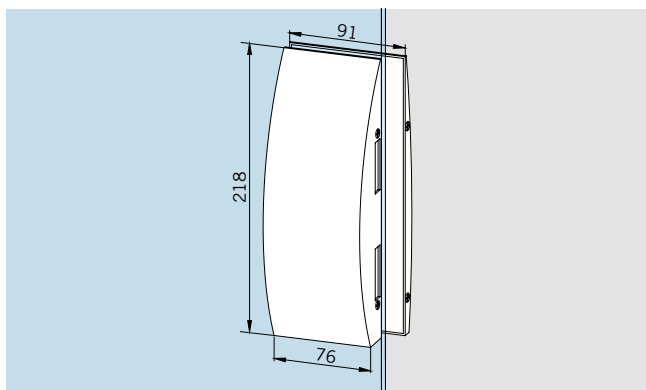
Lock, non-locking

Art. No. 25.264 L

Art. No. 25.265 R (not illustr.)

Weight in kg:

aluminium 1.040



Strike box, for pairs of doors, extended colour options

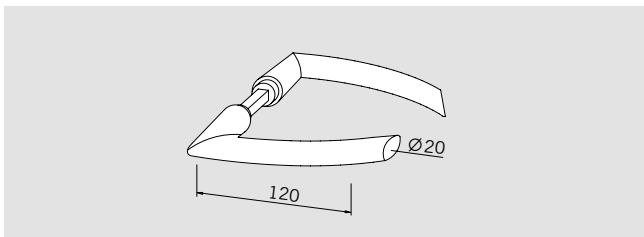
Art. No. 25.206 L

Art. No. 25.207 R (not illustr.)

Weight in kg:

aluminium 0.945

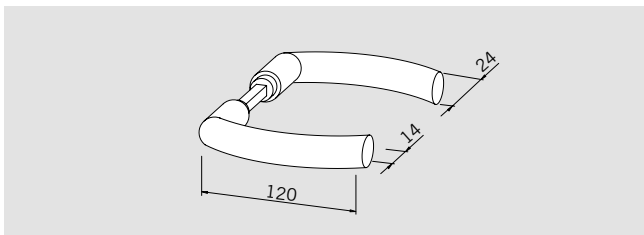
SETS OF LEVERS FOR LOCKS WITH FOLLOWER



ARCOS Set of levers

Art. No. 24.301

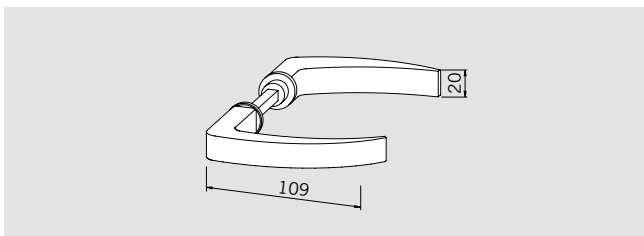
Weight in kg:
 alumin. 0.353
 brass 0.959



**Set of levers,
 with oval handle**

Art. No. 24.302

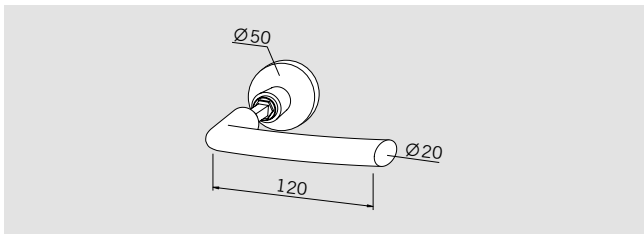
Weight in kg:
 alumin. 0.300



**Set of levers,
 with angular handle**

Art. No. 24.303

Weight in kg:
 alumin. 0.267

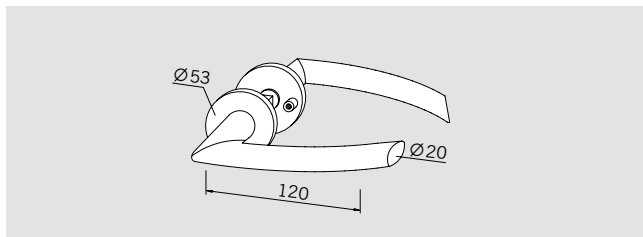


**ARCOS lever and knob set
 with ARCOS lever**

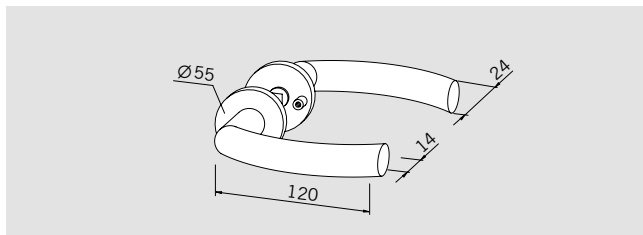
Art. No. 24.316

and free turnable knob
 (turnable knob without function)
 Weight in kg:
 alumin. 0.335

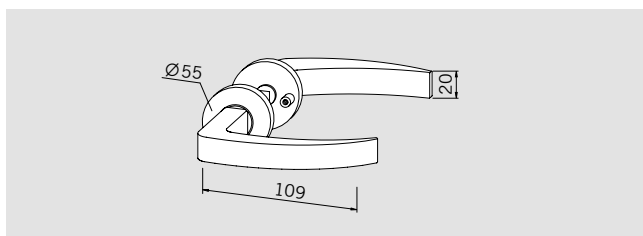
SETS OF LEVERS FOR LOCKS PREPARED FOR LEVERS WITH ROSES



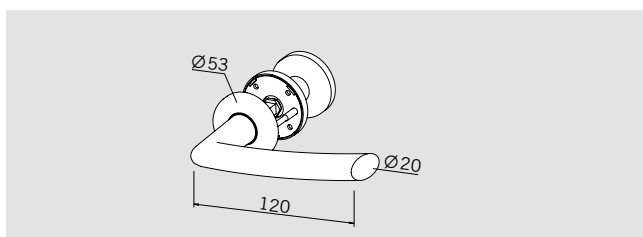
ARCOS Set of levers, **Art. No. 24.307**
 with roses
 Weight in kg:
 alumin. 0.420



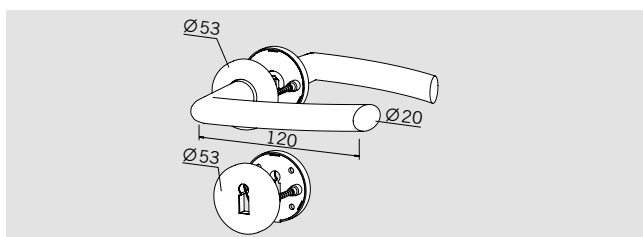
Set of levers, **Art. No. 24.308**
 with oval handle, with roses
 Weight in kg:
 alumin. 0.379



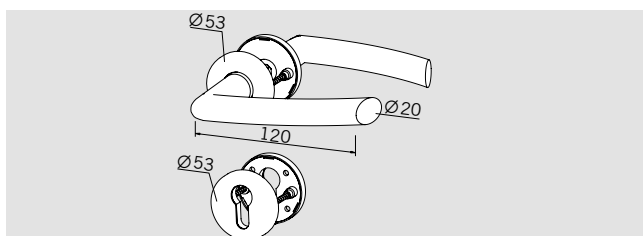
Set of levers, **Art. No. 24.309**
 with angular handle,
 with roses
 Weight in kg:
 alumin. 0.344



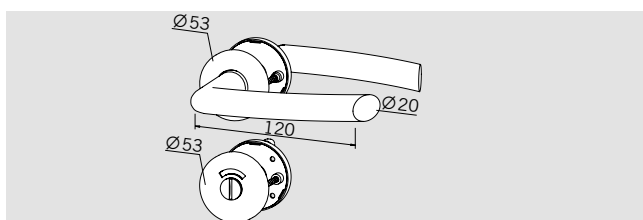
ARCOS lever and knob set **Art. No. 24.318**
with ARCOS lever
 and free turnable knob
 (turnable knob without function)
 Weight in kg:
 alumin. 0.377



Set of levers for wooden doors **Art. No. 24.322**
 incl. warded key rose
 Weight in kg:
 alumin. 0.485



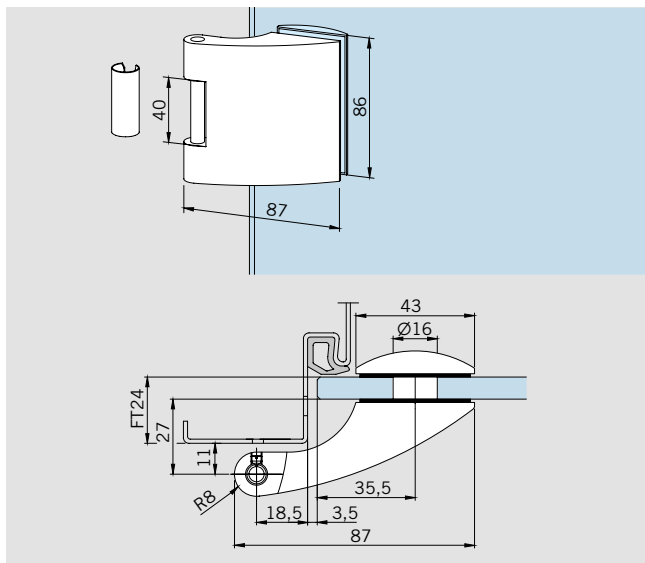
Set of levers for wooden doors **Art. No. 24.323**
 incl. profil cylinder rose
 Weight in kg:
 alumin. 0.485



Set of levers for wooden doors **Art. No. 24.324**
 incl. vacant / occupied indicator
 Weight in kg:
 alumin. 0.531

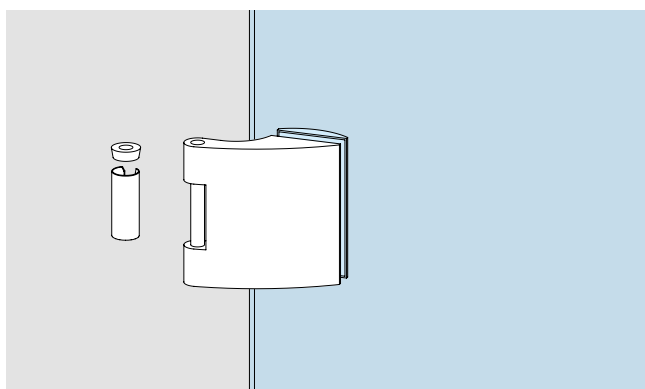
HINGES

For 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp., max. door width 1000 mm



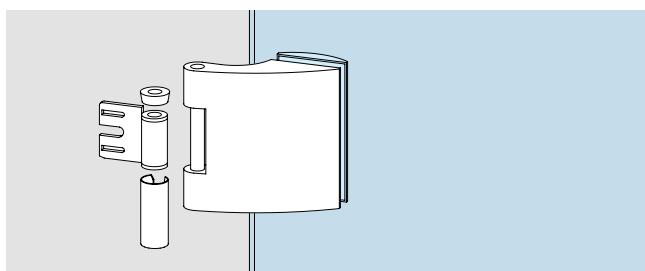
Hinge for frame pivot, **Art. No. 25.230**
 complete with sleeve,
 zinc plated steel pin,
 door weight max. 55 kg
 Weight in kg:
 alumin. 0.358

Hinge for frame pivot, **Art. No. 25.238** (not illustr.)
 complete with sleeve,
 to suit rebate depth 40 mm,
 door weight max. 45 kg
 Weight in kg:
 alumin. 1.111

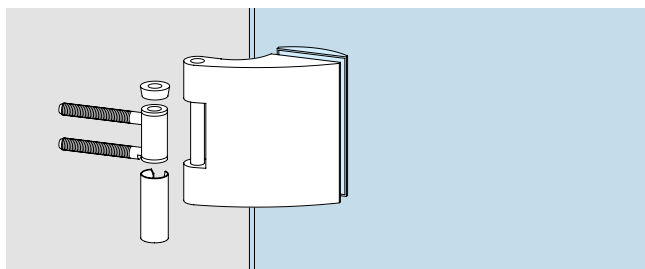


Hinge for frame pivot, **Art. No. 25.234**
 complete with sleeve and ball
 bearing, door weight max. 55 kg
 Weight in kg:
 alumin. 0.385

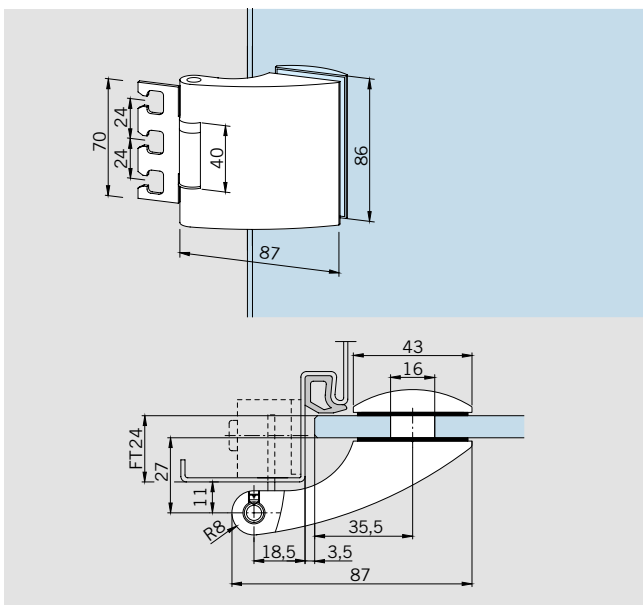
Hinge for frame pivot, **Art. No. 25.244** (not illustr.)
 complete with sleeve,
 to suit rebate depth 40 mm
 with steel ball bearing,
 door weight max. 45 kg
 Weight in kg:
 alumin. 1.100



Hinge with frame pivot **Art. No. 25.231**
for steel frames,
 complete with sleeve, steel ball
 bearing, door weight max. 60 kg
 Weight in kg:
 alumin. 0.423



Hinge with frame pivot for **Art. No. 25.232**
wooden frames
 with sleeve, steel ball bearing,
 door weight max. 60 kg
 Weight in kg:
 alumin. 0.407

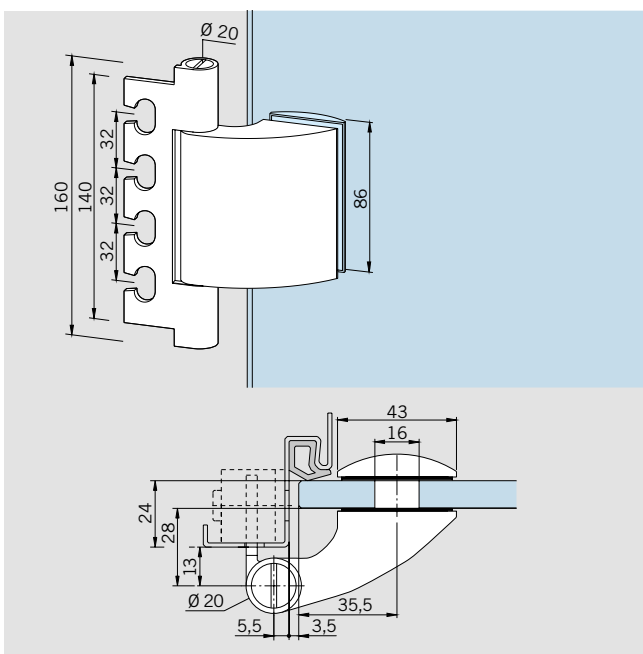


**Hinge with frame pivot
for steel frames**

Art. No. 25.247

with 120 mm type frame
pocket, complete with sleeve,
steel ball bearing,
door weight max. 60 kg,
Weight in kg:

alumin. 0.435



Hinge for project doors,

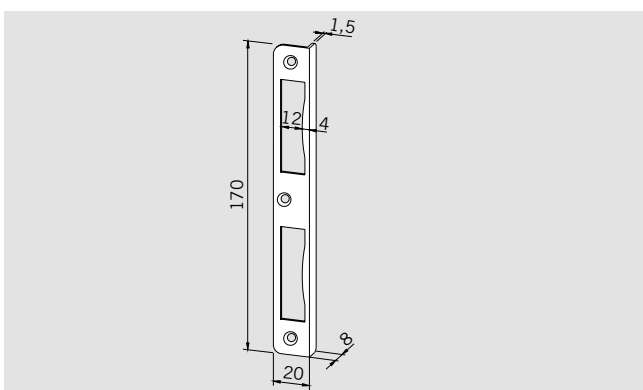
Art. No. 25.233

with 160 mm type frame pocket
(mating portion VN 7608/160 3D
or VZK 060-1/3), stainless steel
pin, KS-slide bearing
door weight max. 70 kg,
door width max. 1200 mm
Weight in kg:

alumin. 0.519

do. for 40 mm rebate depth
(without illustration)

Art. No. 11.340



Corner strike plate

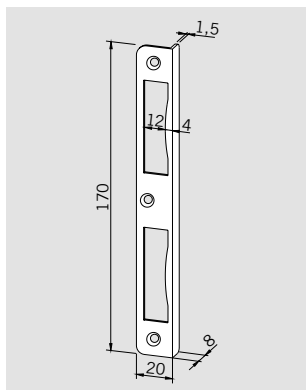
Art. No. 11.313

Weight in kg:

alumin. 0.038

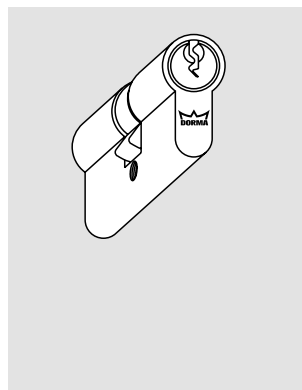
Please see also ARCOS
special hinges on page 39.

CORNER STRIKE PLATE



Corner strike plate
Art. No. 11.313
 Weight in kg: alumin. 0.038

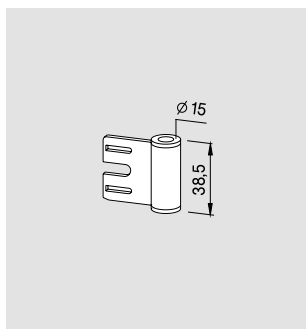
PROFILE CYLINDER



Profile cylinder
 length 61 mm, differently
 keyed, with DORMA Logo
Art. No. 05.001

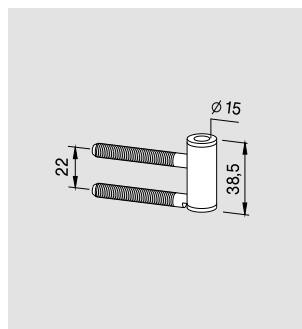
Profile cylinder
 length 61 mm, equally keyed,
 with DORMA Logo
Art. No. 05.002

FRAME PIVOTS AND ACCESSORIES

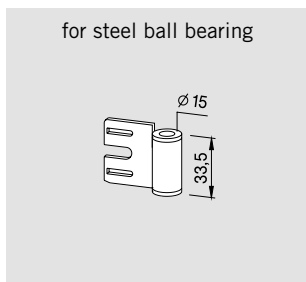


Frame pivot for steel frames,
 zinc plated steel,
 plastic bushing
Art. No. 11.309
 Weight in kg: 0.040

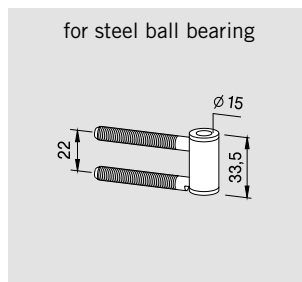
Frame pivot for steel frames,
 stainless steel,
 plastic bushing
Art. No. 11.307
 Weight in kg: 0.045



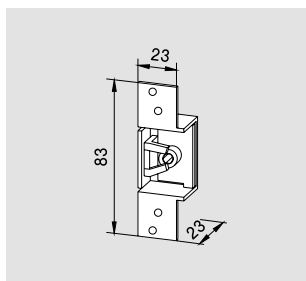
Frame pivot for wooden frames,
 zinc plated steel,
 plastic bushing
Art. No. 11.310
 Weight in kg: 0.055



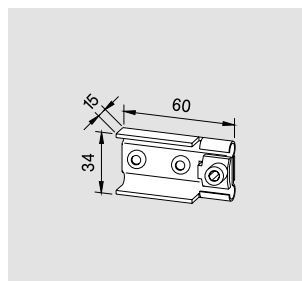
Frame pivot for steel frames,
 zinc plated steel,
 for steel ball bearing,
 door weight max. 60 kg
Art. No. 11.235
 Weight in kg: 0.035



Frame pivot for wooden frames,
 zinc plated steel,
 for steel ball bearing,
 door weight max. 60 kg
Art. No. 11.236
 Weight in kg: 0.050

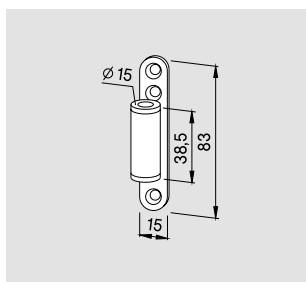


Frame pocket for steel frame,
 zinc plated steel
Art. No. 10.406
 Weight in kg: 0.073



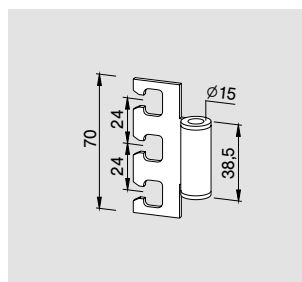
Frame pocket for wooden frame,
 zinc plated steel
Art. No. 10.405
 Weight in kg: 0.060

FRAME PIVOTS AND ACCESSORIES



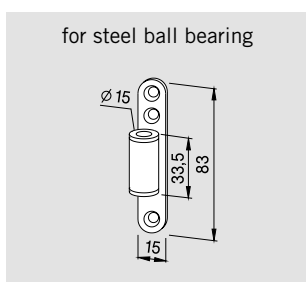
Screw-on frame pivot,
zinc plated steel,
plastic bushing,
door weight max. 55 kg

Art. No. 11.405
Weight in kg: 0.047



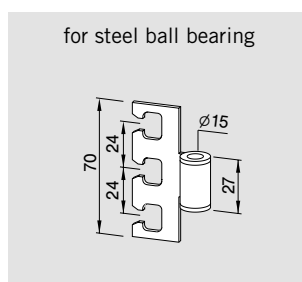
**Frame pivot for VN 120 type
frame pocket,**
stainless steel,
door weight max. 55 kg

Art. No. 11.308
Weight in kg: 0.071



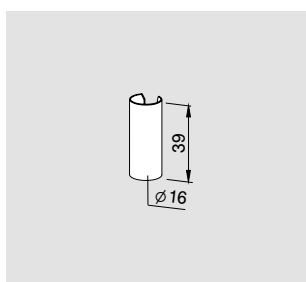
Screw-on frame pivot,
zinc plated steel,
for steel ball bearing,
plastic bushing,
door weight max. 55 kg

Art. No. 11.406
Weight in kg: 0.046

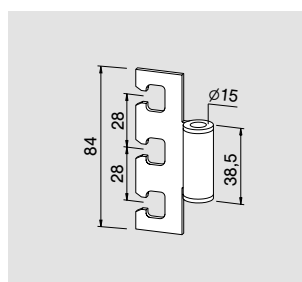


**Frame pivot for VN 120 type
frame pocket,**
stainless steel,
for steel ball bearing,
door weight max. 60 kg

Art. No. 11.248
Weight in kg: 0.048

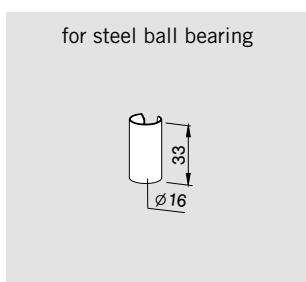


Push-on sleeve
for frame pivots
Art. No. 11.307, 11.309,
11.310, 11.405
Art. No. 11.311
Weight in kg: alumin. 0.002

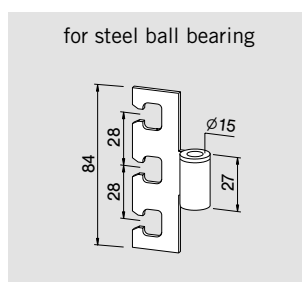


**Frame pivot for VX type
frame pocket,**
stainless steel, plastic bushing,
for all VX-mating portions,
door weight max. 55 kg

Art. No. 11.304
Weight in kg: 0.060



Push-on sleeve
for frame pivots
Art. No. 11.235, 11.236,
for steel ball bearing
Art. No. 11.006
Weight in kg: alumin. 0.002



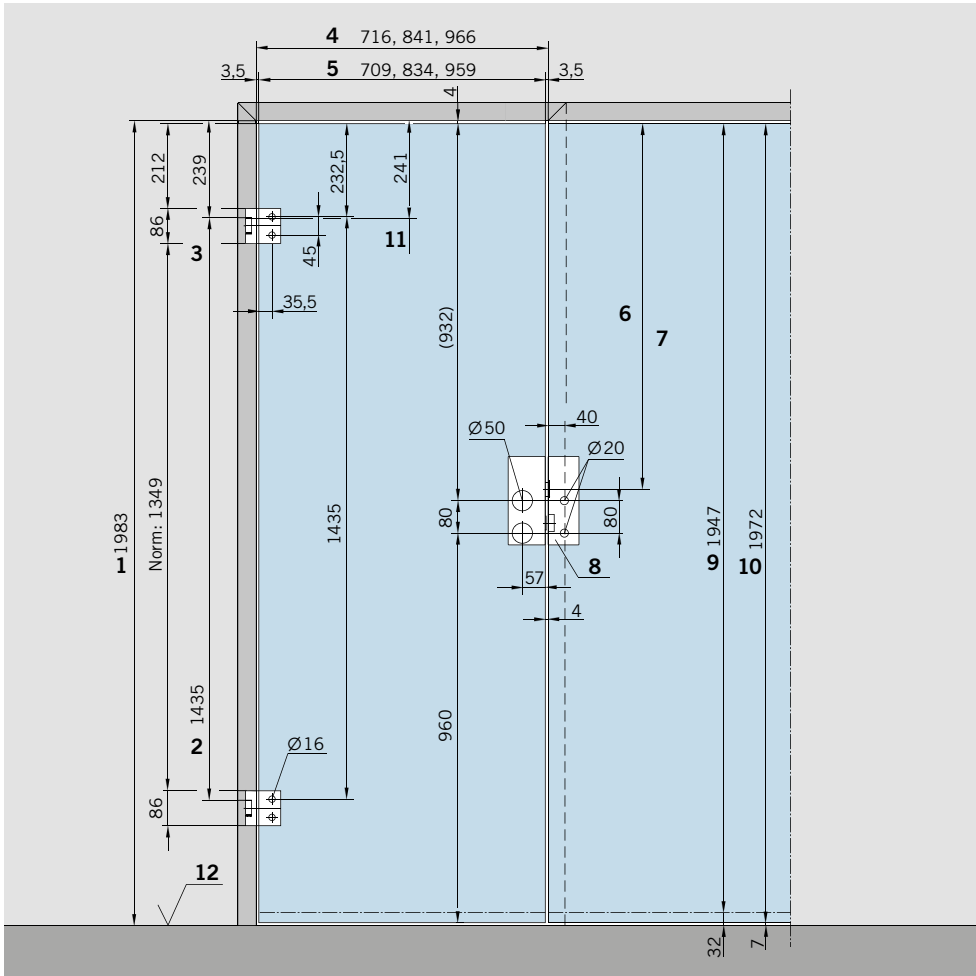
**Frame pivot for VX type
frame pocket,**
stainless steel, for steel ball
bearing, for all VX-mating
portions, door weight max. 60 kg

Art. No. 11.305
Weight in kg: 0.050

Please note: For further accessories please see our technical brochure "Fittings for toughened glass internal doors".

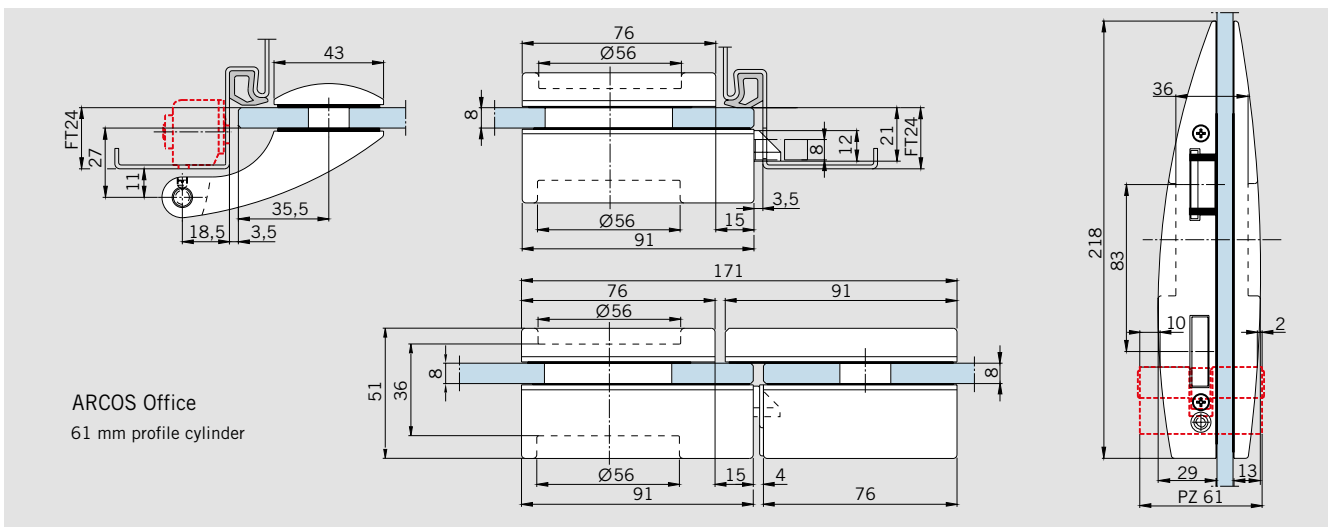
CONSTRUCTION DETAILS

for frame pivots page 57

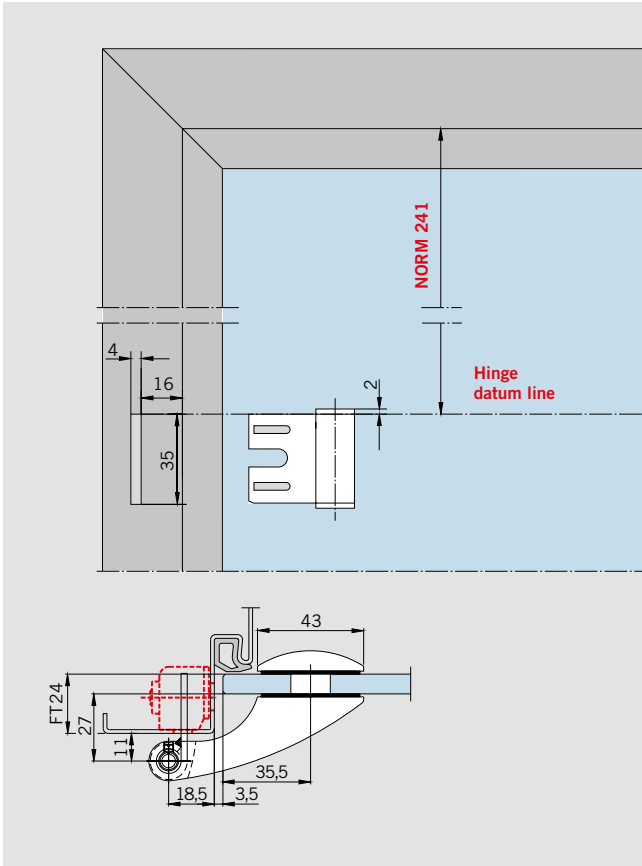


- 1 Frame rebate height
- 2 Standard hinge support to DIN 18 111
- 3 Standard hinge support
- 4 Frame rebate width
- 5 Glass width
- 6 Centre lock bolt
- 7 Usually 908 mm for doors 1972 mm high
- 8 Strike box
- 9 Glass height (type S)
- 10 Glass height (type N)
- 11 Hinge datum line to DIN 18 268
- 12 Finished floor level (FFL)

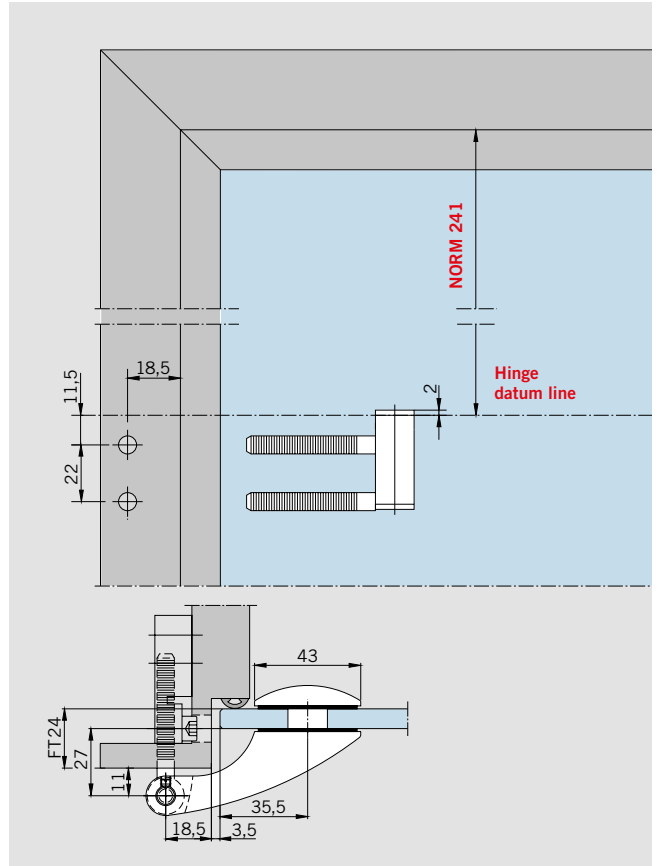
Section



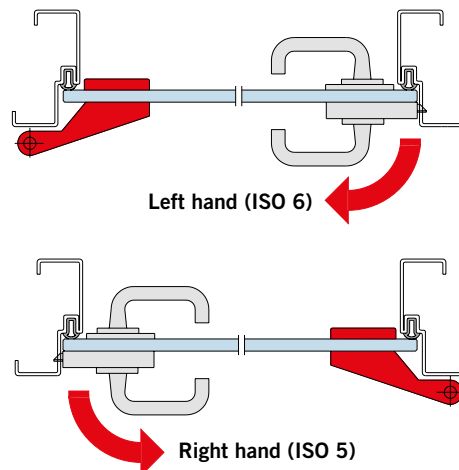
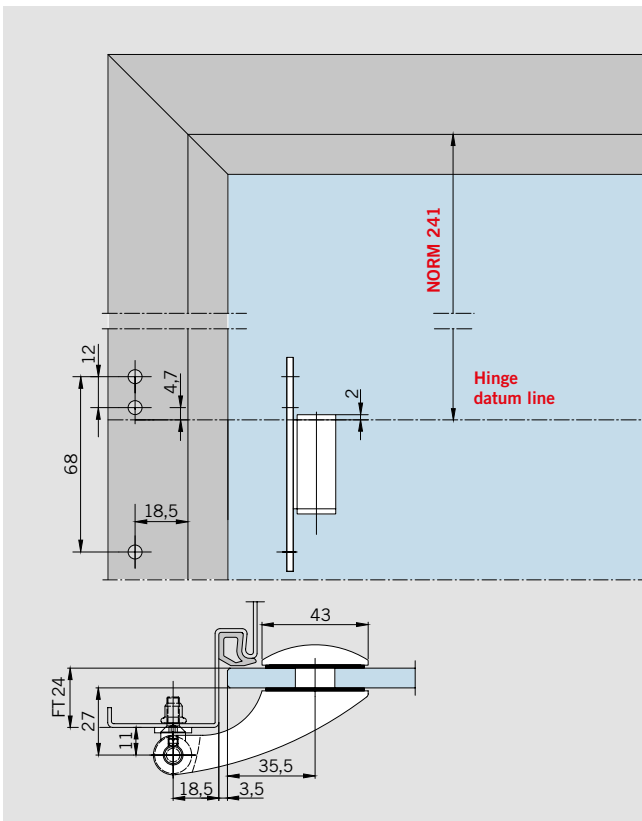
Frame pivot for steel frames



Frame pivot for wooden frames

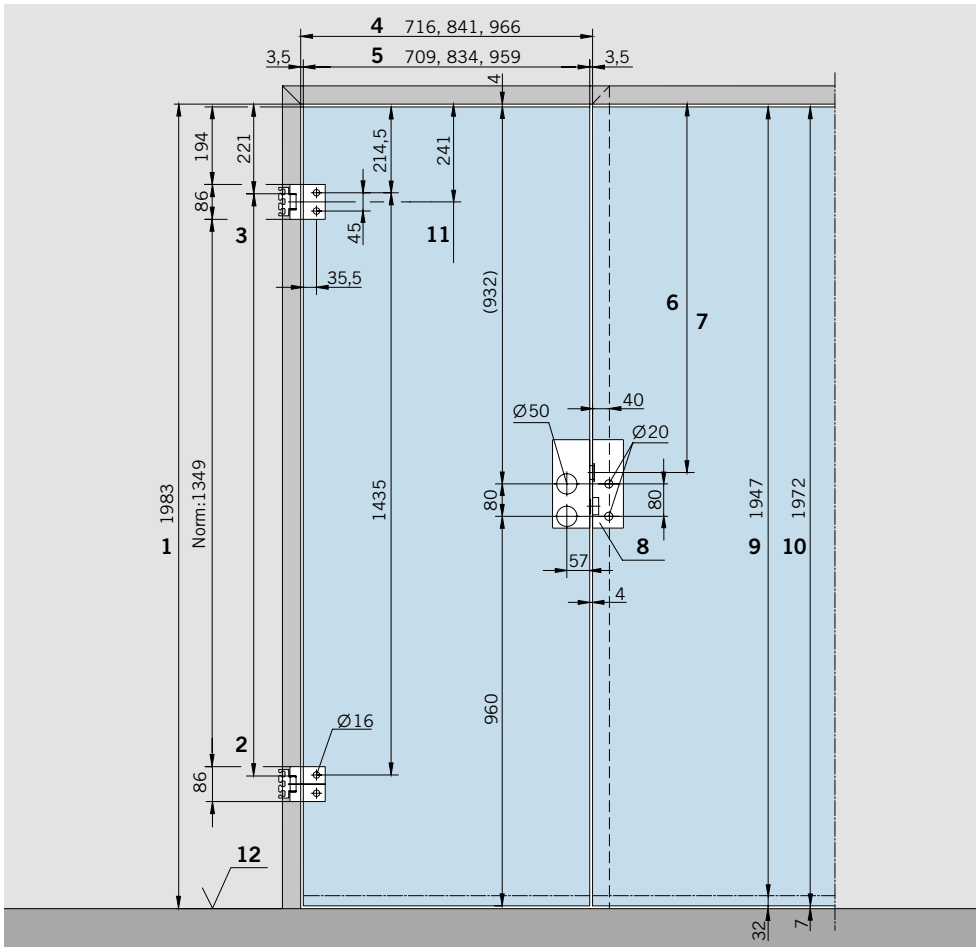


Screw on frame pivot

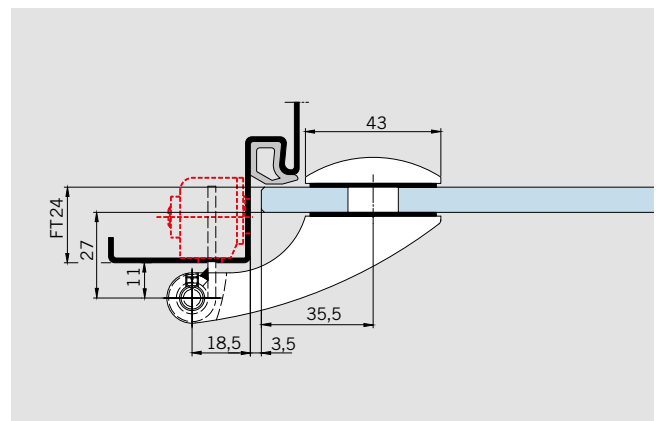
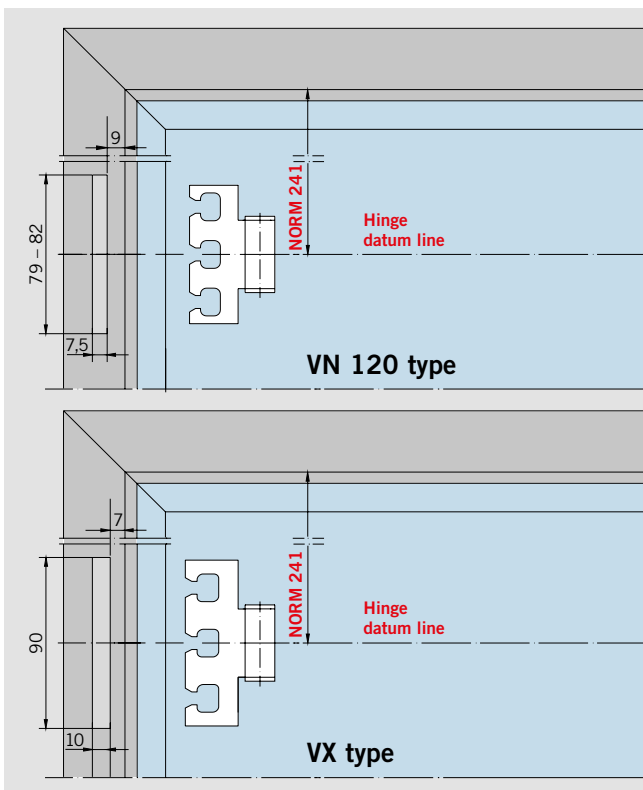


FRAME PIVOT

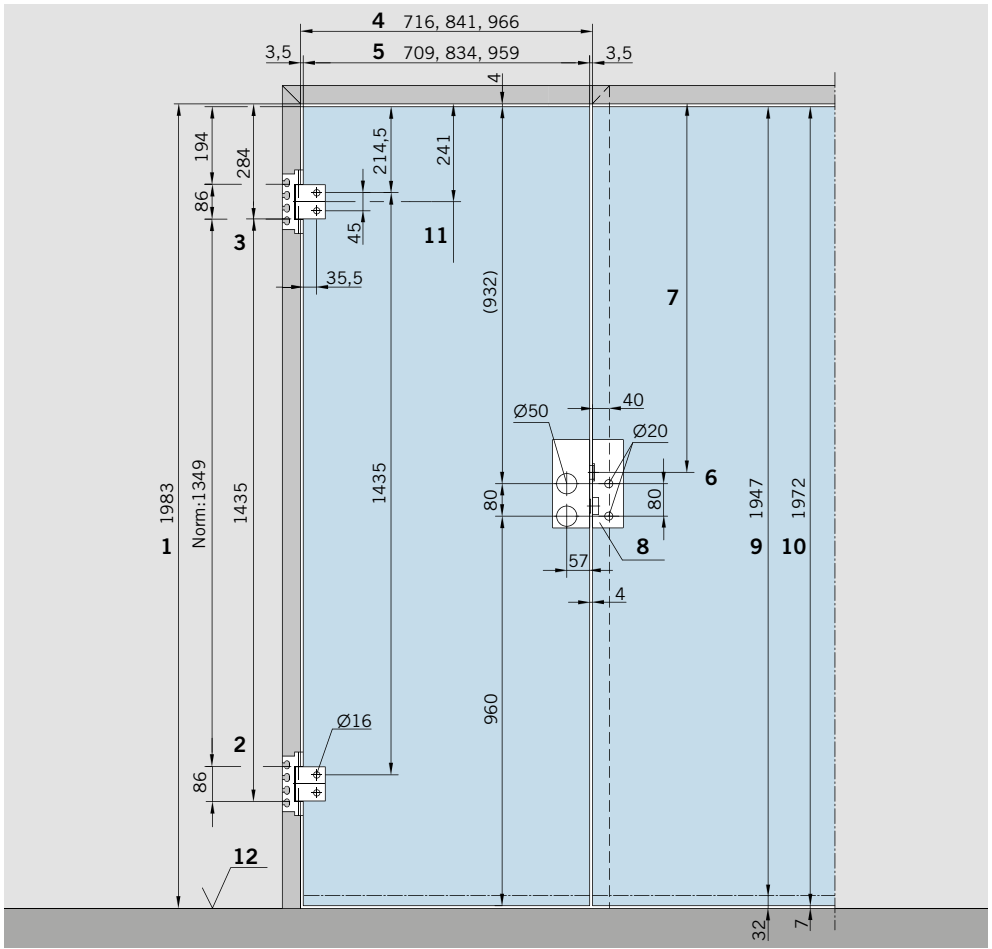
for VN 120 type / VX type frame pocket



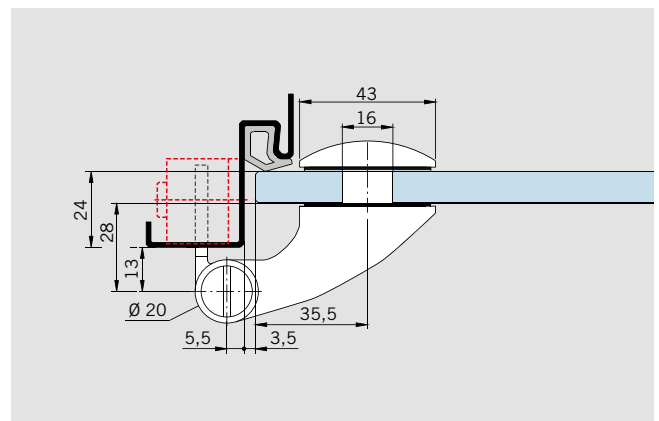
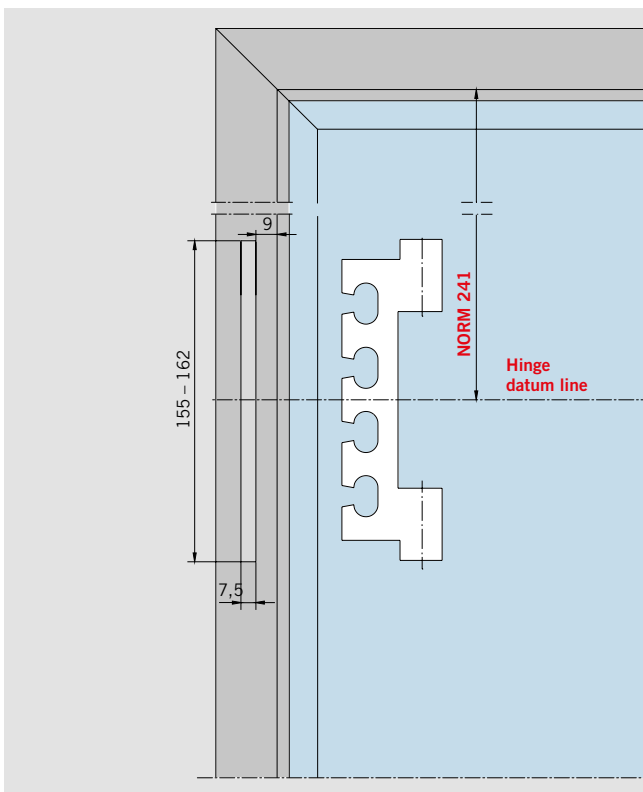
- 1 Frame rebate height
- 2 Standard hinge support to DIN 18 111
- 3 Standard hinge support
- 4 Frame rebate width
- 5 Glass width
- 6 Centre lock bolt
- 7 Usually 908 mm for doors
1972 mm high
- 8 Strike box
- 9 Glass height (type S)
- 10 Glass height (type N)
- 11 Hinge datum line to DIN 18 268
- 12 Finished floor level (FFL)



for VN 160 type frame pocket

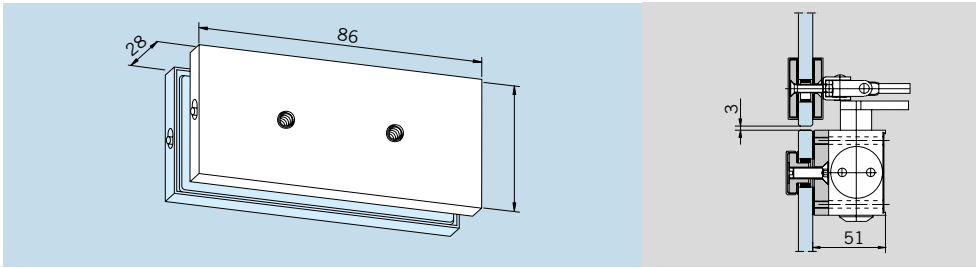


- 1 Frame rebate height
- 2 Standard hinge support to DIN 18 111
- 3 Standard hinge support
- 4 Frame rebate width
- 5 Glass width
- 6 Centre lock bolt
- 7 Usually 908 mm for doors 1972 mm high
- 8 Strike box
- 9 Glass height (type S)
- 10 Glass height (type N)
- 11 Hinge datum line to DIN 18 268
- 12 Finished floor level (FFL)

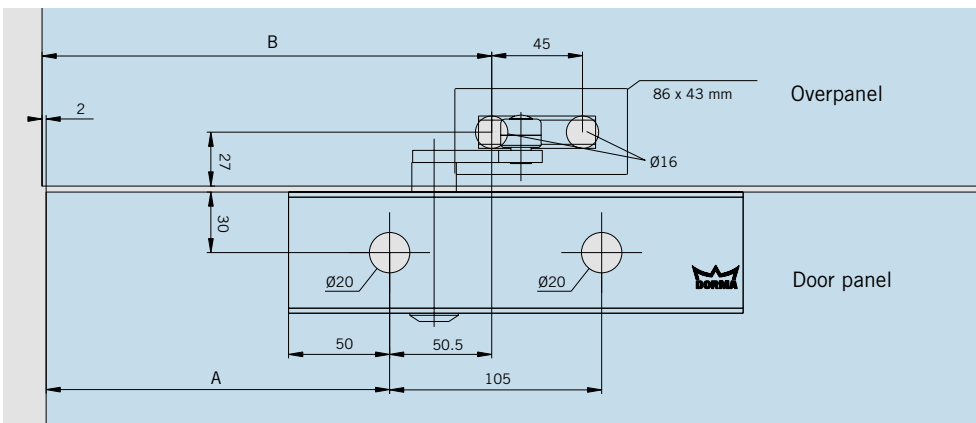


ACCESSORIES

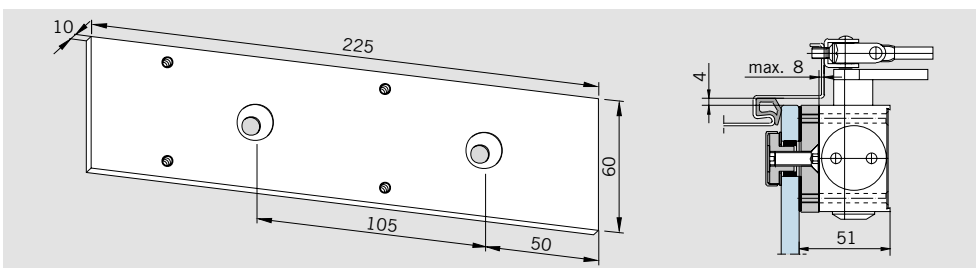
for door closer TS 73 V



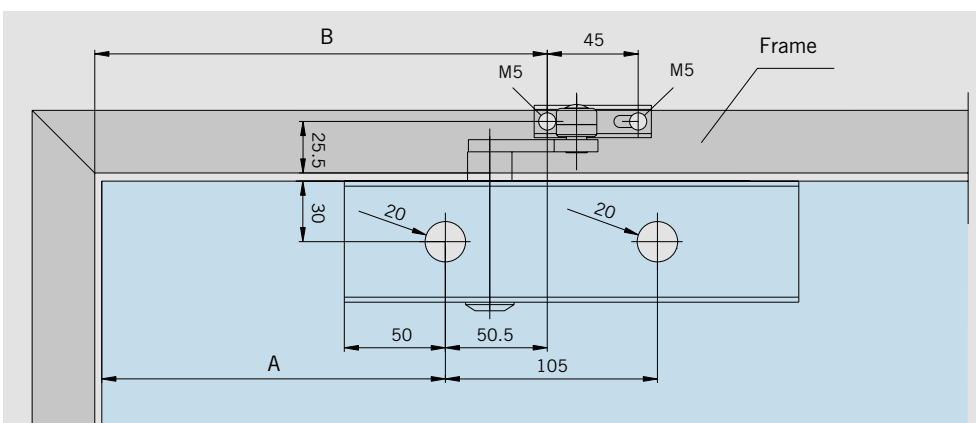
Fixing plate
for DORMA TS 73 V,
closer arm for overpanel
Art. No. 12.330
Weight in kg:
aluminium 0.132



Pivot point fitting	A	B
EA (AT)	195	248
Universal/EP	245	298
Studio/Junior	170	223
ARCOS Universal	262	315

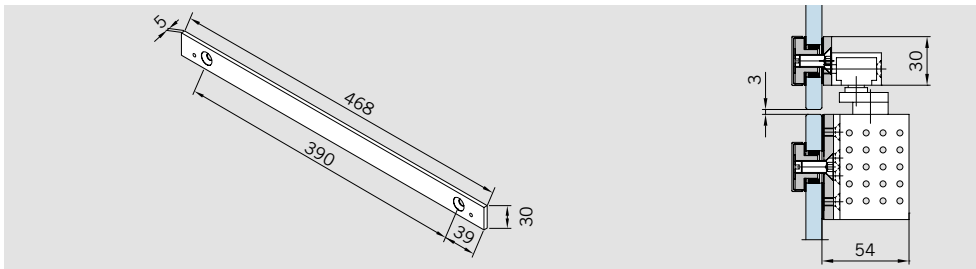


Fixing plate
225 mm,
for DORMA TS 73 V
Art. No. 12.335
Weight in kg:
aluminium 0.289



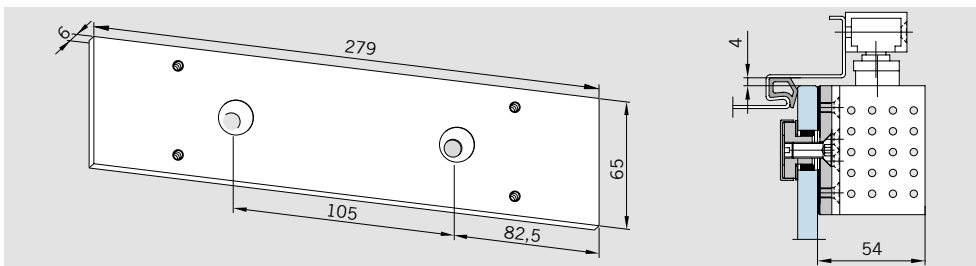
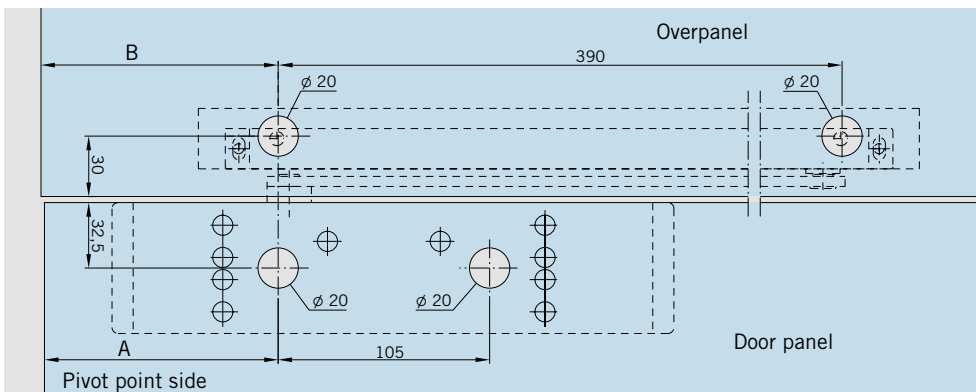
Pivot point fitting	A	B
EA (AT)	195	248
Universal/EP	245	298
Studio/Junior	170	223
ARCOS Universal	262	315

for door closer TS 92



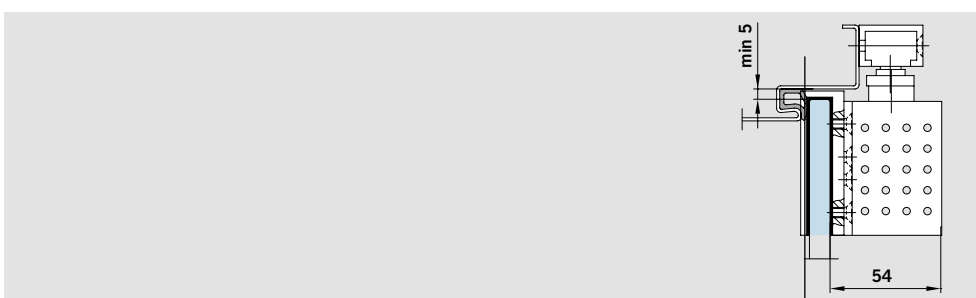
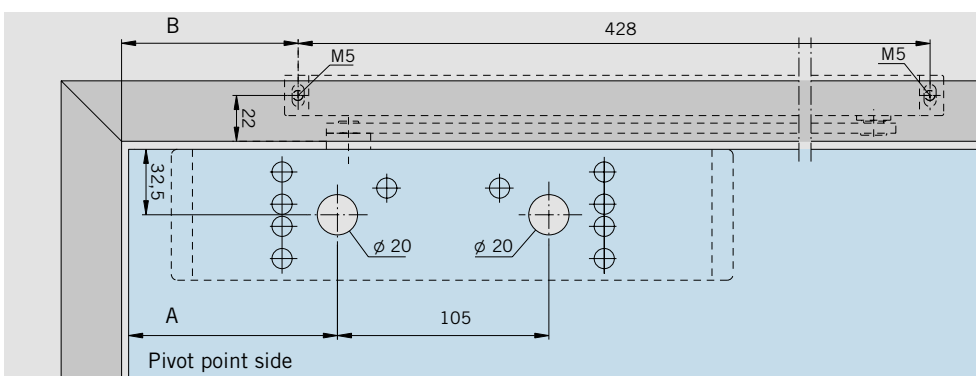
Fixing plate
for DORMA TS 92
slide channel for overpanel
Art. No. 12.332
Weight in kg:
aluminium 0.265

Pivot point fitting	A	B
EA (AT)/EP	200	202
Universal	250	252
Studio/Junior	148	150
ARCOS Universal	265	267



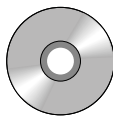
Fixing plate
279 mm, for DORMA TS 92
(Issue 07/02)
Art. No. 12.334
Weight in kg:
aluminium 0.290

Pivot point fitting	A	B
EA (AT)/EP	200	182
Universal	250	232
Studio/Junior	148	132
ARCOS Universal	265	247



Saddle plate
and door closer TS 92 are available at DORMA Ennepetal or at special suppliers for building hardware.

PLANNING TOOLS



For planning of intelligent glass solutions we offer you several planning tools which allow you to create secure and professional solutions for any kinds of glass doors and toughend glass assemblies.

The software provides you with all necessary documentation such as dimensioned technical drawings, glass sizes and preparation measures.

Your benefits:

- Easy to operate
- Professional and error-free preparation of offers
- Rapid response to incoming requests for quotations
- Highly reduced planning costs for time and money savings

DGES Fittings (for internal doors and toughend glass assemblies),
DGES HSW (for horizontal sliding walls)

SAFETY-RELATED INFORMATION

Important safety-related information for the mounting and use of DORMA glass fittings

(Follow these instructions in addition to the mounting and operating instructions in order to avoid damage of product and damage to person or property.)

Important: All users have to be informed about relevant points mentioned in these safety-related information and the mounting and operating instructions!

General information

1. DORMA recommends using TSG-H (heat soaked toughened safety glass) to DIN EN 12150-1.
2. DORMA glass fittings are not suitable for application in rooms where chemicals (e. g. chlorine) are used such as indoor swimming pools, saunas or salt-water pools.
3. Never move sliding panels faster than walking speed and always stop the door manually before it reaches end position.
4. Do not shut swing doors with excessive force. Install door stop to prevent door from opening too far.

Mounting

1. Only properly qualified and specially trained staff is authorised to mount DORMA glass fittings.
2. Never use glass with conchoidal fractures and/or damaged edges.
3. Due to crushing hazards – among others in the area of the secondary closing edge – and possible injury caused by breakage of glass during mounting, corresponding protective clothing (especially gloves and protective goggles) is required.
4. Clean clamping area with fat solvent (standard commercial cleaning agent) before mounting the glass fitting.
5. Never use clamping shoes on structured glass surfaces (except on satined glass) or glass of heavily varying thickness unless with a corresponding levelling layer.
6. Never use clamping shoes on self-cleaning coatings.
7. When adjusting glass elements, always stick to the required clearance for the respective fitting. Adjust clearance so that the glass does not touch hard components such as glass, metal or concrete.
8. Make sure not to use excessive force when installing the glass (avoid local stress resulting from very tight screws).

Maintenance

Check fittings at regular intervals for proper positioning and smooth running and door for correct adjustment. Especially highly-frequented door systems require inspection by properly qualified staff (specialised companies or installation firms). Immediately replace damaged glass elements (no glass flaking and/or conchoidal fractures)!

Subject to change without notice.

For practical planning, please use our drawings DORMA-Glas DETAIL.



The printed colours indicating the surface finishes are not 100% true, but do provide a useful guide.

Statements made with regard to the nature or use of the products are for the purposes of description. Assent with regard to the existence of particular properties or particular uses always requires special written agreement. Pictures may show special designs which are different to the standard scope of delivery.

Subject to change without notice.



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