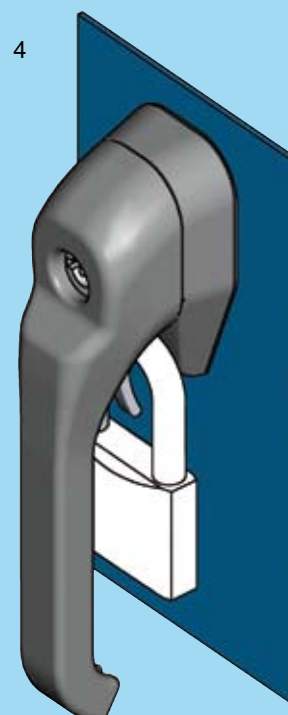
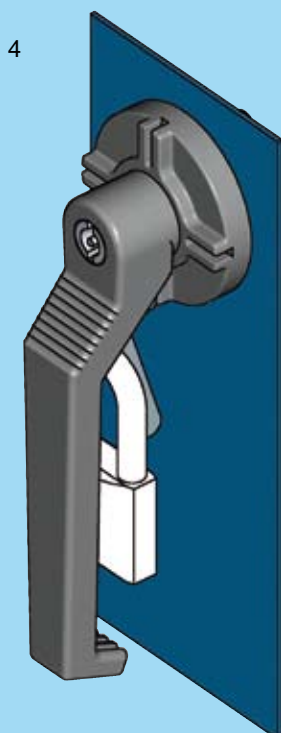
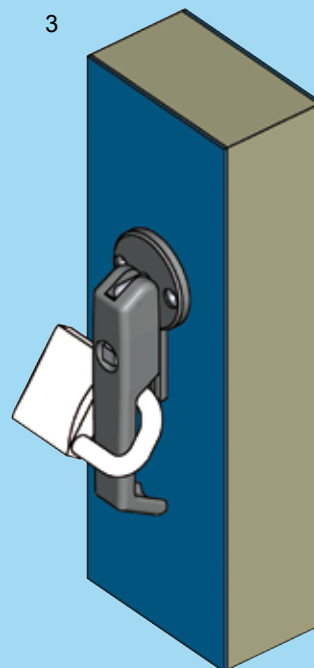
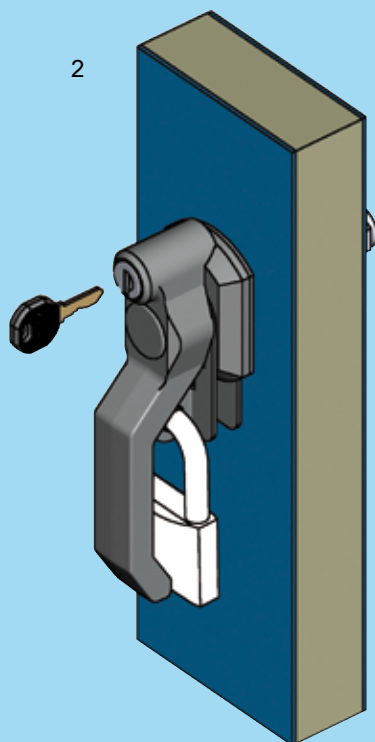
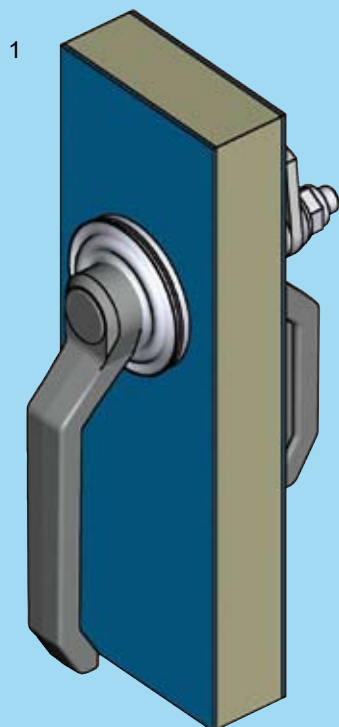
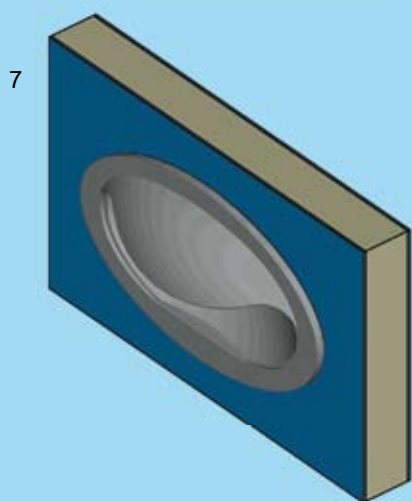
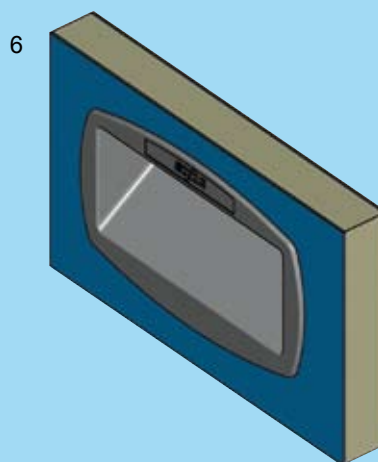
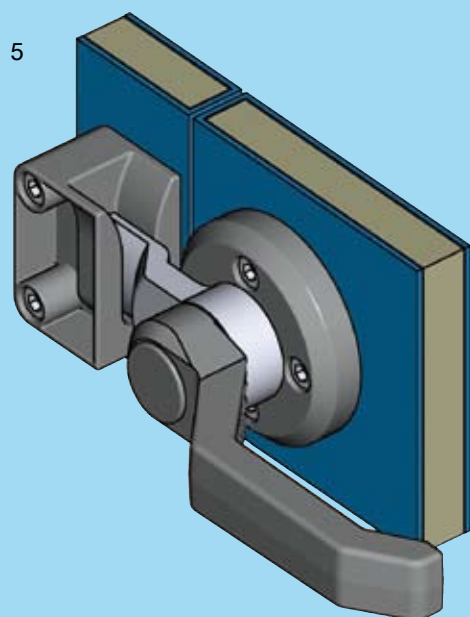


Air-Conditioning Program 1091





- 1 Heavy Duty latch with mild steel shaft
- 2 Heavy Duty latch
- 3 Lift and turn latch
- 4 Heavy Duty latch
- 5 Heavy Duty latch, outside the door
- 6 Pull
- 7 Pull

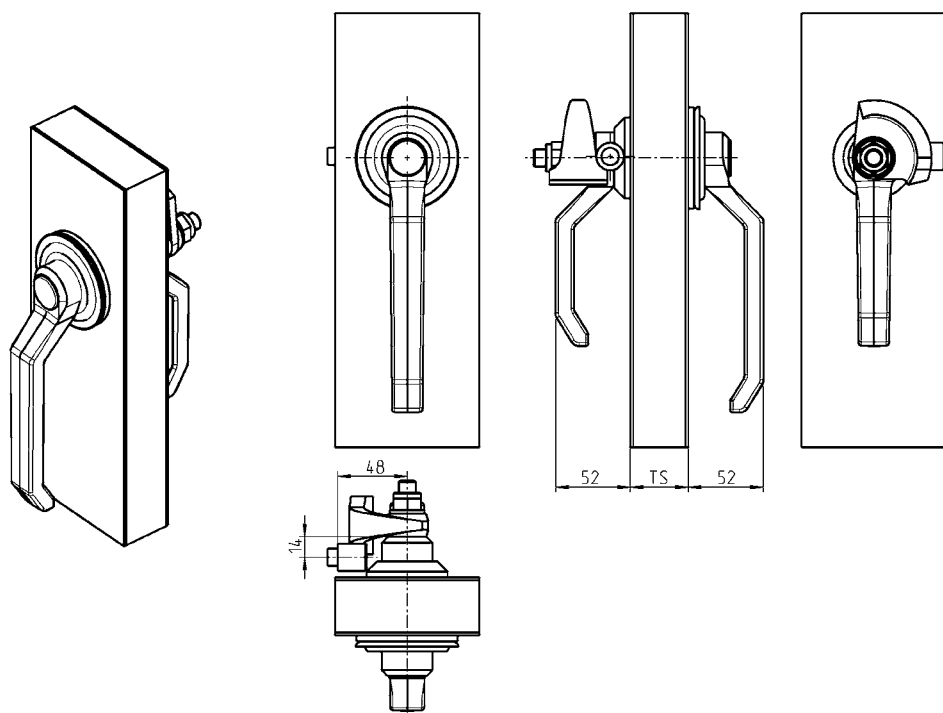
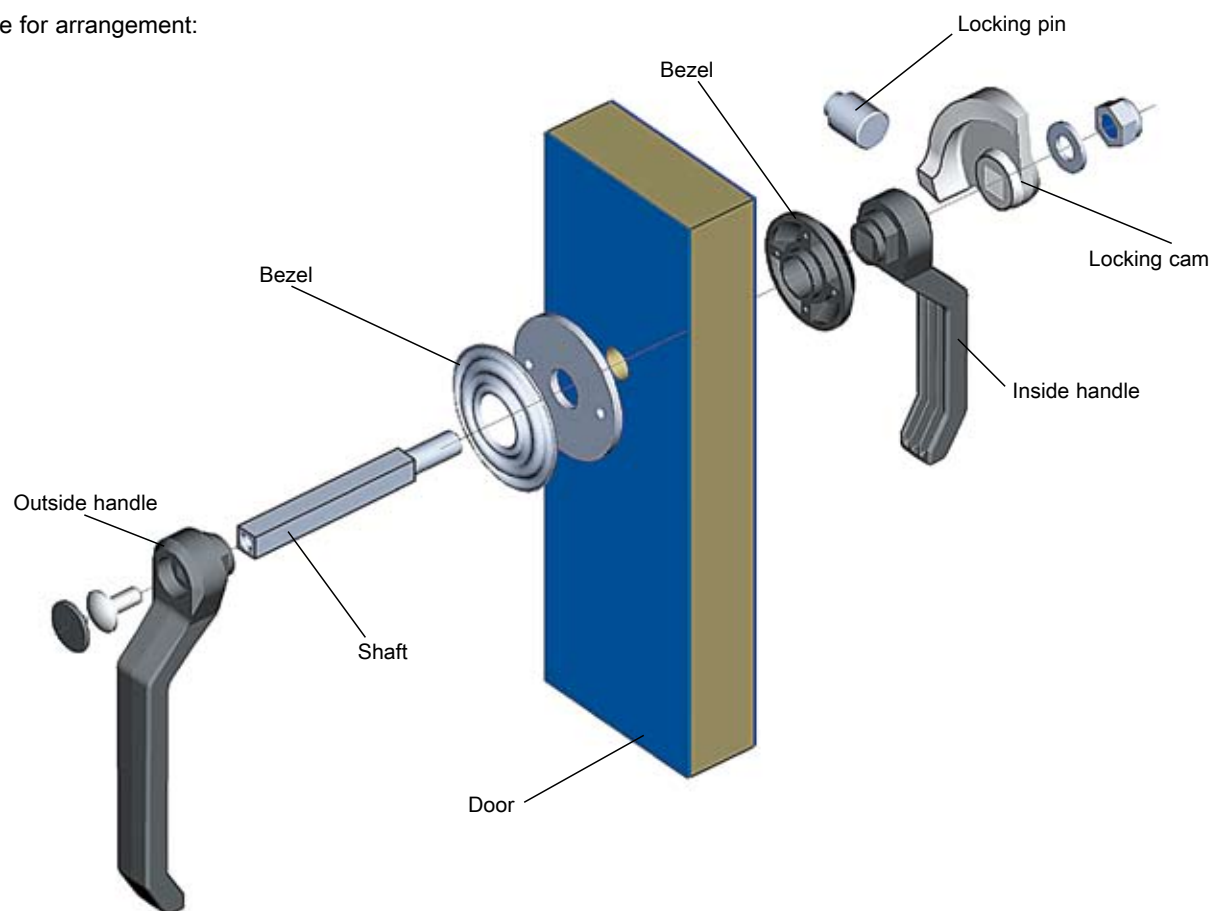
- 10A-120 to 10A-180, 10A-320
- 10A-220, 10A-340
- 10A-520
- 10A-620, 10A-640
- 10A-420
- 10A-720 to 10A-760, 10A-820
- 10A-820

10A-100

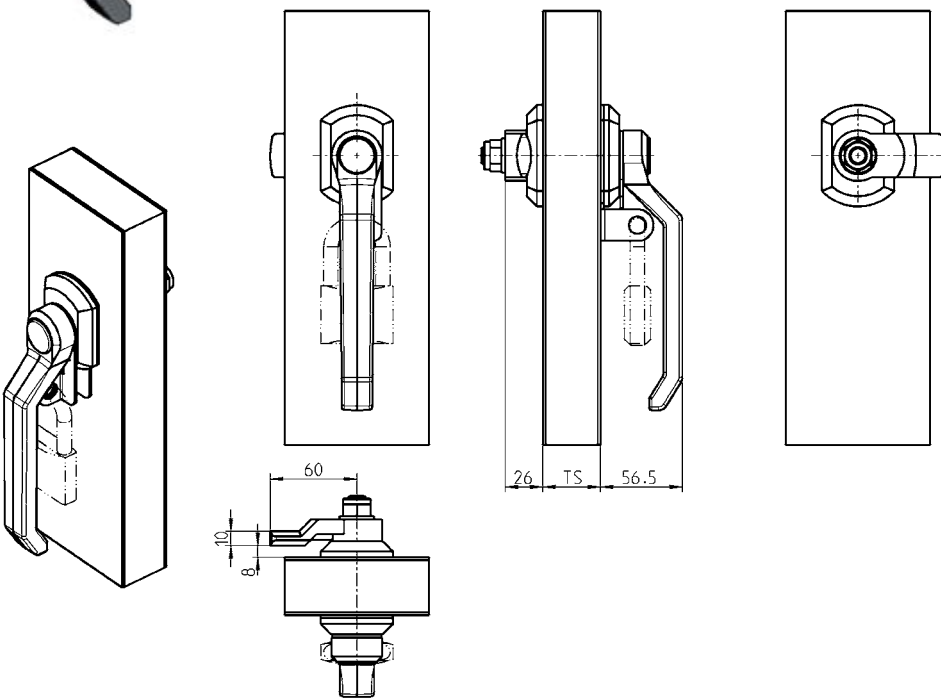
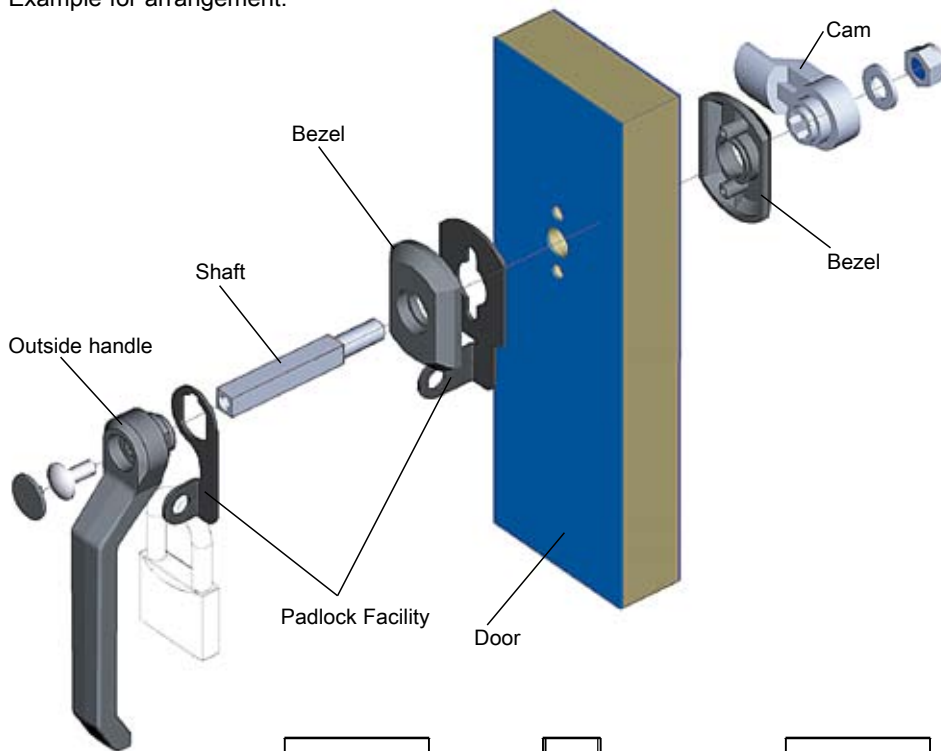
Heavy duty latch with m.s. shaft

PROGRAM 1091

Example for arrangement:



Example for arrangement:



Heavy duty latch consisting of:

Shaft m.s. zinc plated, screw M8, washer A13, Nyloc nut M12, m.s. zinc plated and plastic plug black polyamide

Ts	20	30	40	50	60	80	100	Tolerance
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for cam and inside handle

1091-U8	1091-U9	1091-U10	1091-U11	1091-U12	1091-U13	1091-U14	± 5
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for cam without inside handle

1091-U6	1091-U7	1091-U8	1091-U9	1091-U10	1091-U12	1091-U13	- 10
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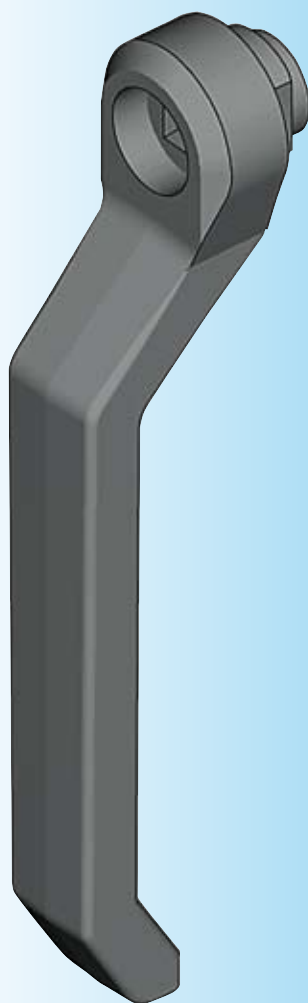
for inside handle, or spacer and locking cam

1091-U8	1091-U9	1091-U10	1091-U11	1091-U12	1091-U13	1091-U14	± 5
---------	---------	----------	----------	----------	----------	----------	-----

Further parts see page

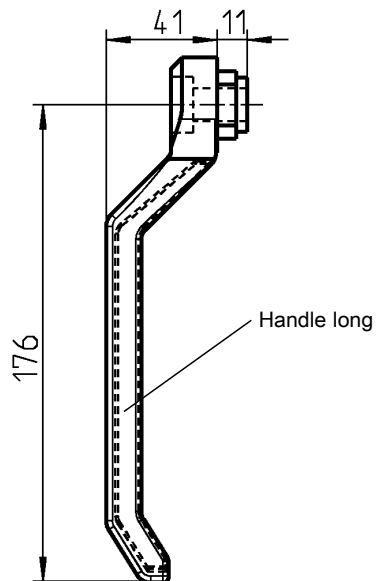
– Handle	10A-140
– Bezel	10A-180
– Locking cam	10A-160
– Cam	10A-160

RL

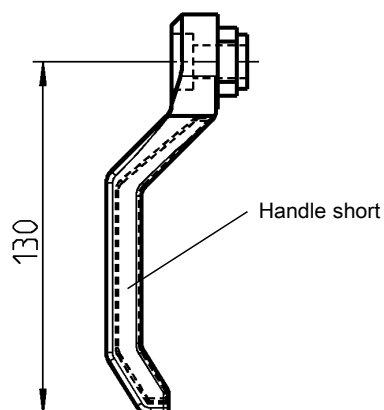


Handle

Outside

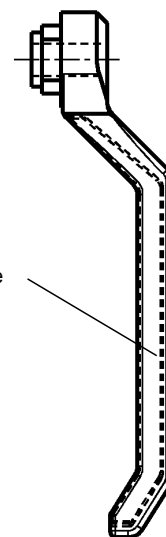


Handle long

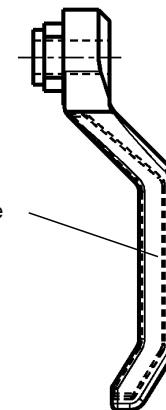


Handle short

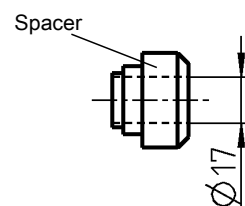
Inside



Handle long



Handle short



Spacer

Attention:

The spacer is needed when using the cam lock without inner handle.

Further parts see page

- Heavy duty latch 10A-120
- Heavy duty latch, outside the door 10A-420

Handle long polyamide GF black

1091-20

Handle long polyamide GF black with embedded steel

1091-22

Handle short polyamide GF black

1091-21

Handle short polyamide GF black with embedded steel

1091-23

Handle long polyamide GF black

1091-24

Handle long polyamide GF black with embedded steel

1091-26

Handle short polyamide GF black

1091-25

Handle short polyamide GF black with embedded steel

1091-27

Spacer (replaces handle), m.s. zinc plated

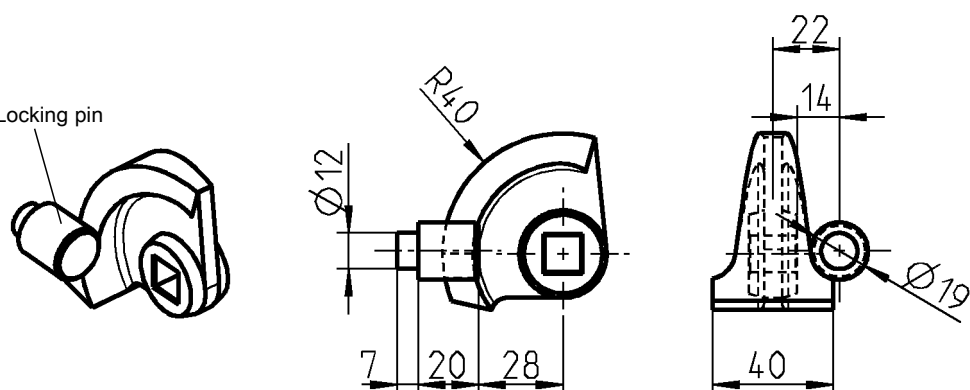
1091-28

Accessories for heavy duty latch

PROGRAM 1091

Locking cam

Locking pin



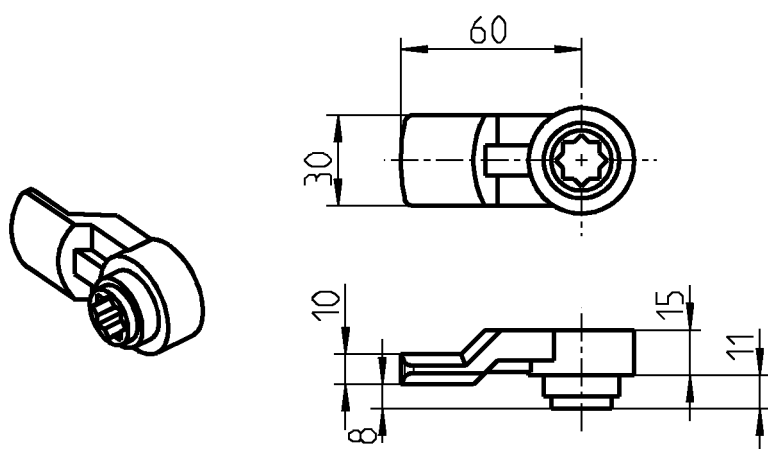
Locking cam zinc die

1091-04

Locking stud m.s. zinc plated

1091-01

Cam

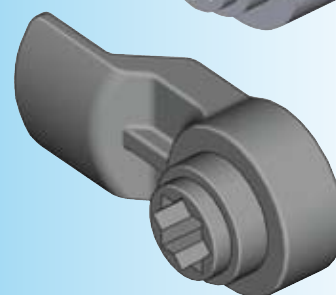
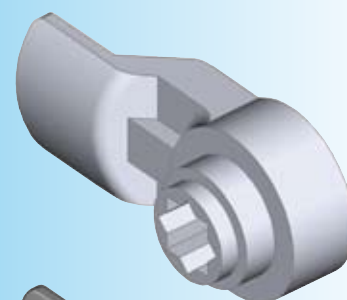
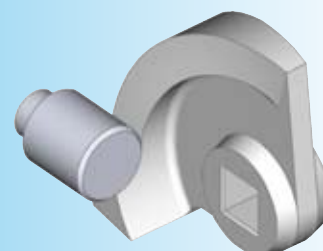


Cam zinc die zinc plated

1091-18

Cam Polyamide GF Black

1091-18-01

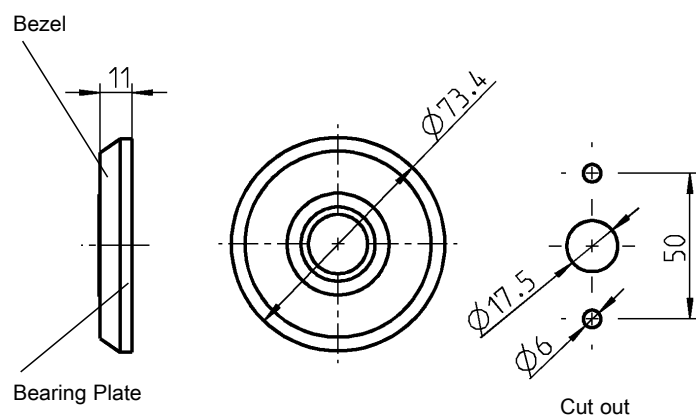
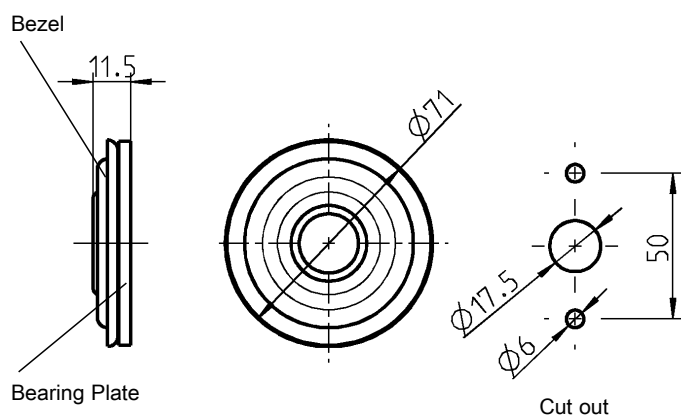


Further parts see page

- Heavy duty latch 10A-120
- Heavy duty latch, outside the door 10A-220
- Heavy duty latch, outside the door 10A-420

Accessories for heavy duty latch

PROGRAM 1091



Bezel, m.s. zinc plated

1091-07

Bezel, polyamide GF black

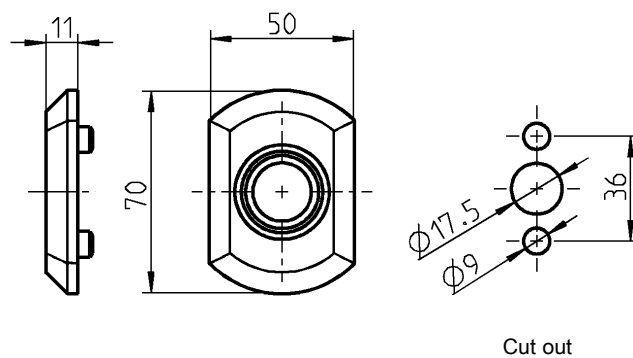
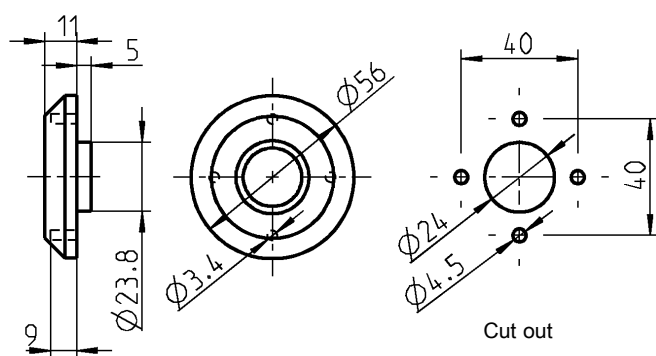
1091-31

Bearing plate, m.s. zinc plated

1091-06

Bearing plate, m.s. zinc plated

1091-06

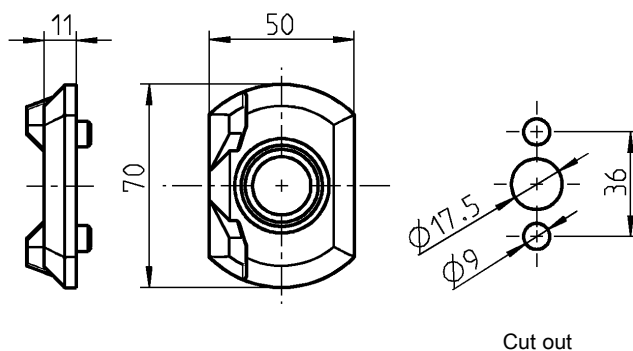
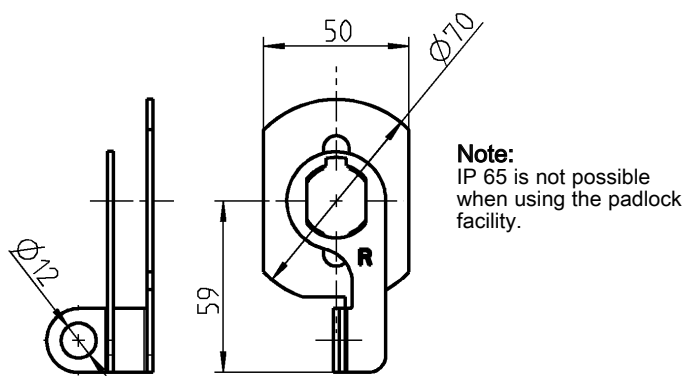


Bezel, polyamide GF black

1091-30

Bezel, polyamide GF black

1091-17



Padlock facility, m.s. black powder coated

RH version

1091-U86

LH version

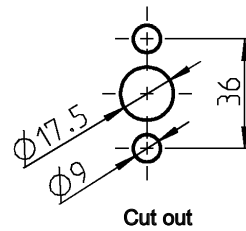
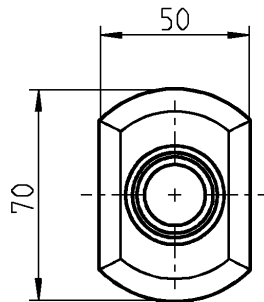
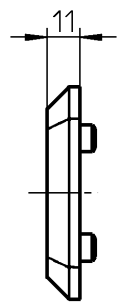
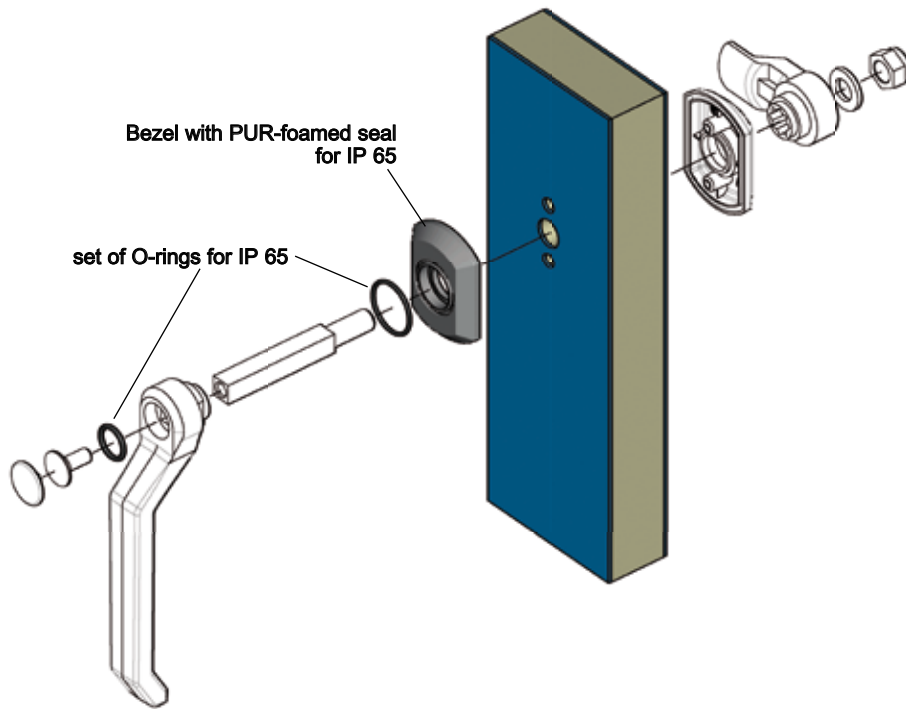
1091-U87

Bezel with dogs, Polyamide GF black

1091-17-01

R **L** **RL**

IP 65



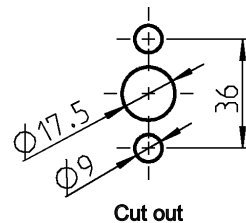
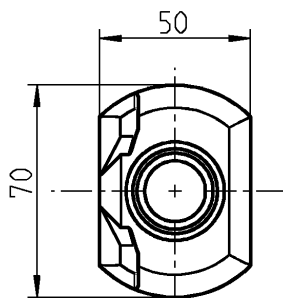
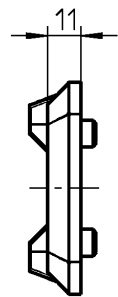
Bezel, polyamide GF black, with foamed seal

1091-17-G

IP 65 with:

set of O-rings

1091-U90



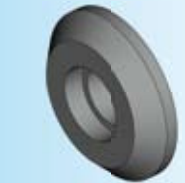
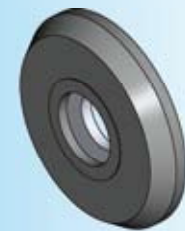
Bezel with stop dogs, polyamide GF black, with foamed seal

1091-17-01G

IP 65 with:

set of O-rings

1091-U90



1 Quarter turns

2 Rod controls

3 Locking systems

4 Hinges

5 Gasketing

6 Handles

7 Aluminium window

8 Stainless steel

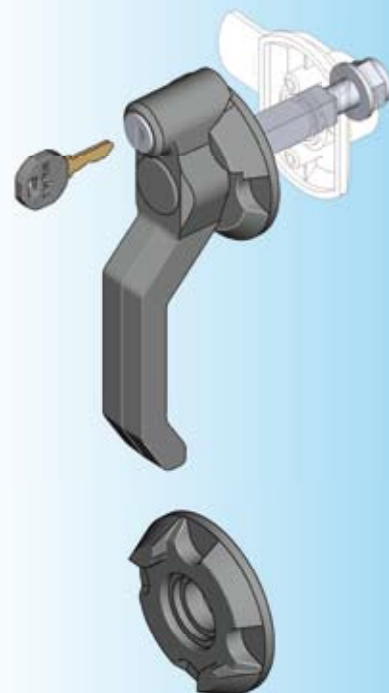
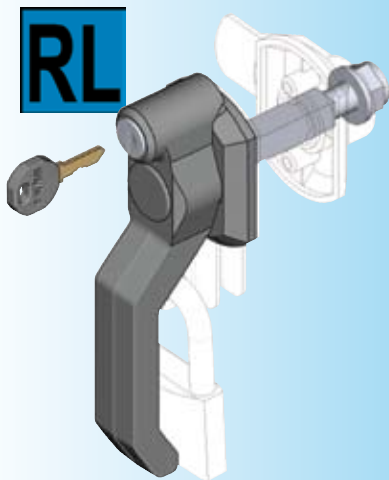
9 Latches

10 Air-conditioning

Further parts see page
– Heavy duty latch

10A-120
10A-220
10A-320
10A-340

Heavy duty latch with m.s. shaft PROGRAM 1091

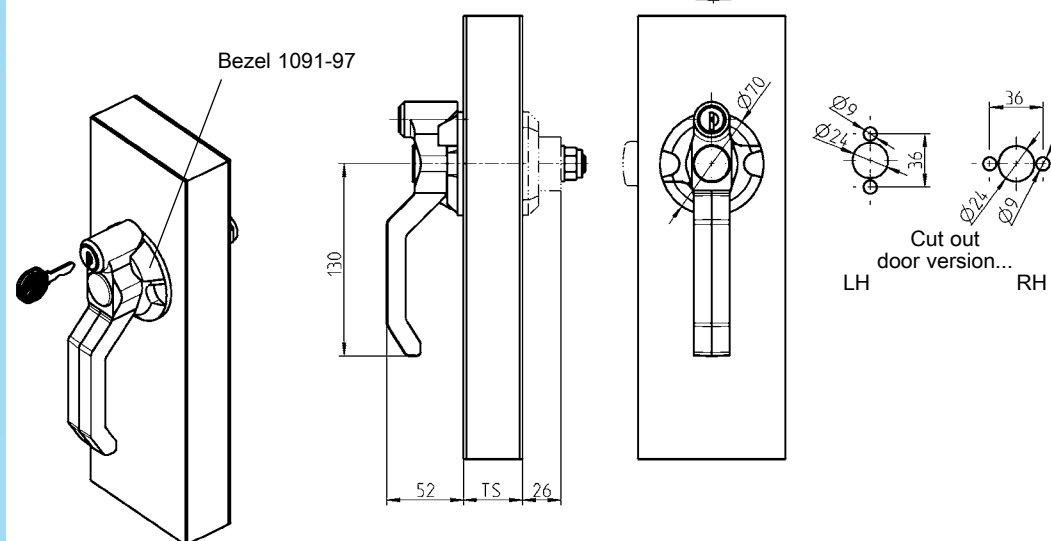
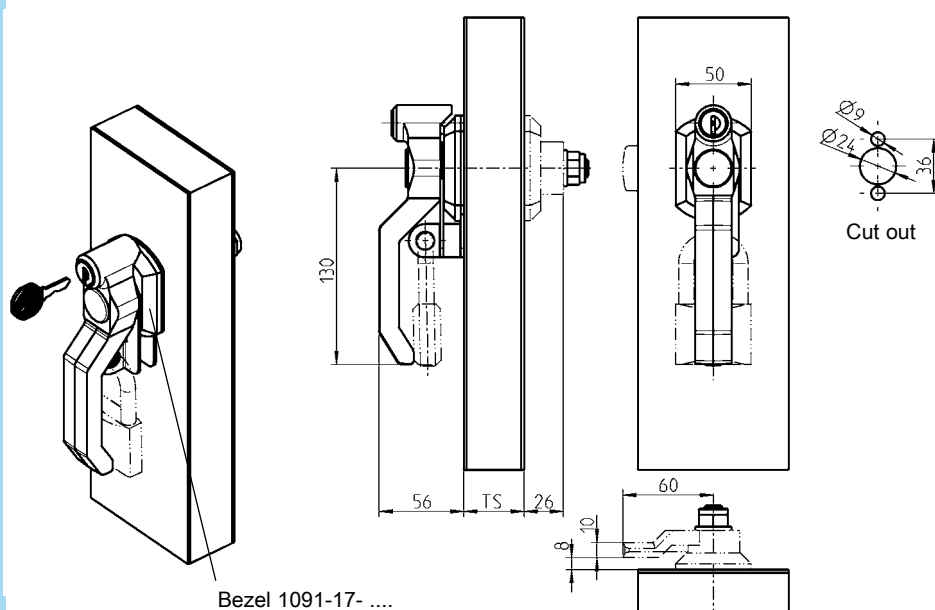


Round bezel with 90°-stopper 1091-97 also suitable for non-locking handles.

Other inserts available on request

Further parts see page

– Cam	10A-160
– Locking cam	10A-160
– Spacer	10A-140
– Padlock facility	10A-180
– Key	12B-120
– Spare key	12B-140



Handle Polyamide GF black for m.s. shaft, round cylinder zinc die with stainless steel cap and dust cover, insert zinc die chrome plated

keyed EK 333	1091-U50	keyed different	1091-U51
Square 7	1091-U52	Square 8	1091-U53
Triangular 8	1091-U54	Double bit 3	1091-U55
Double bit 5	1091-U56	Slot 2 x 4	1091-U57

Bezel Polyamide black for lockable handle

180°-stopper	1091-17-03	90°-stopper, LH	1091-17-04
90°-stopper, RH	1091-17-05	90°-stop, round bezel	1091-97

Shaft m.s., screw, nut M12 and washer A13 m.s. zinc plated, blind plug Polyamide GF black

Ts	20	30	40	50	60	80	100
for cam							
	1091-U6	1091-U7	1091-U8	1091-U9	1091-U10	1091-U12	1091-U13
for spacer and locking cam							
	1091-U8	1091-U9	1091-U10	1091-U11	1091-U12	1091-U13	1091-U14

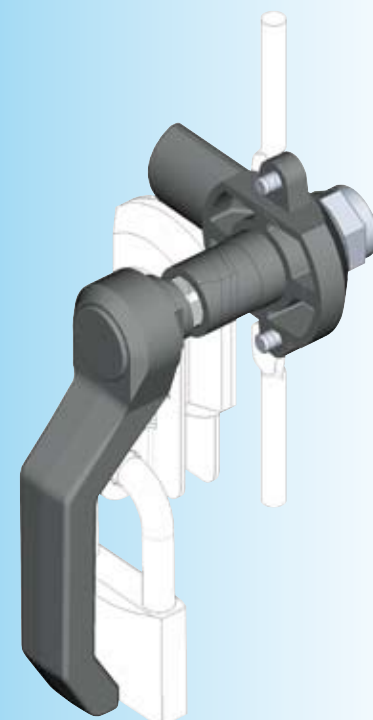
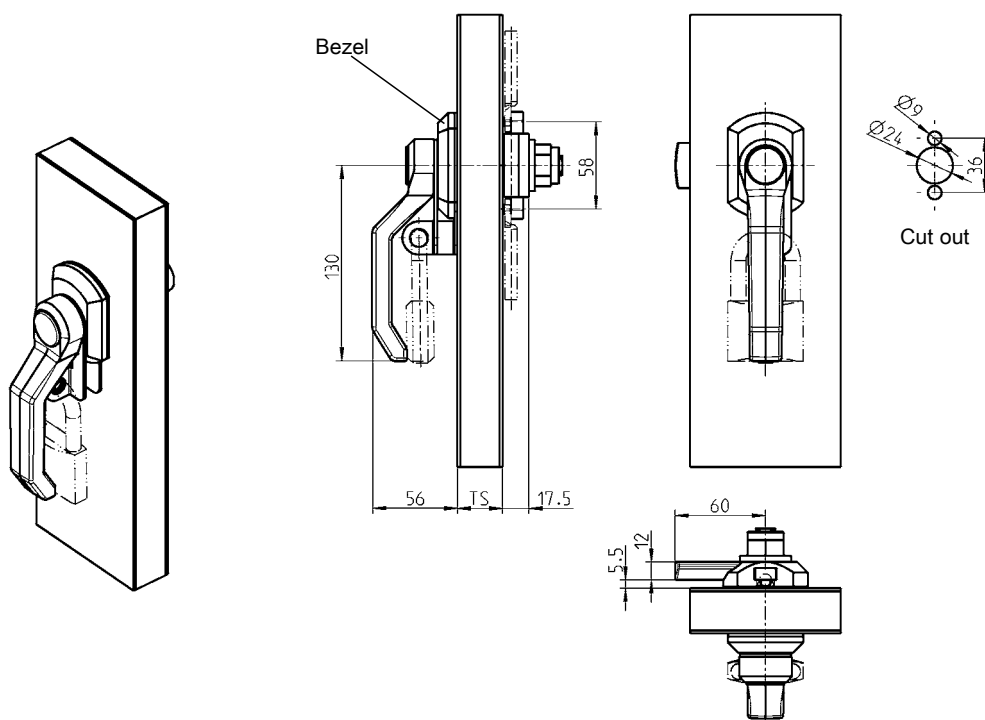
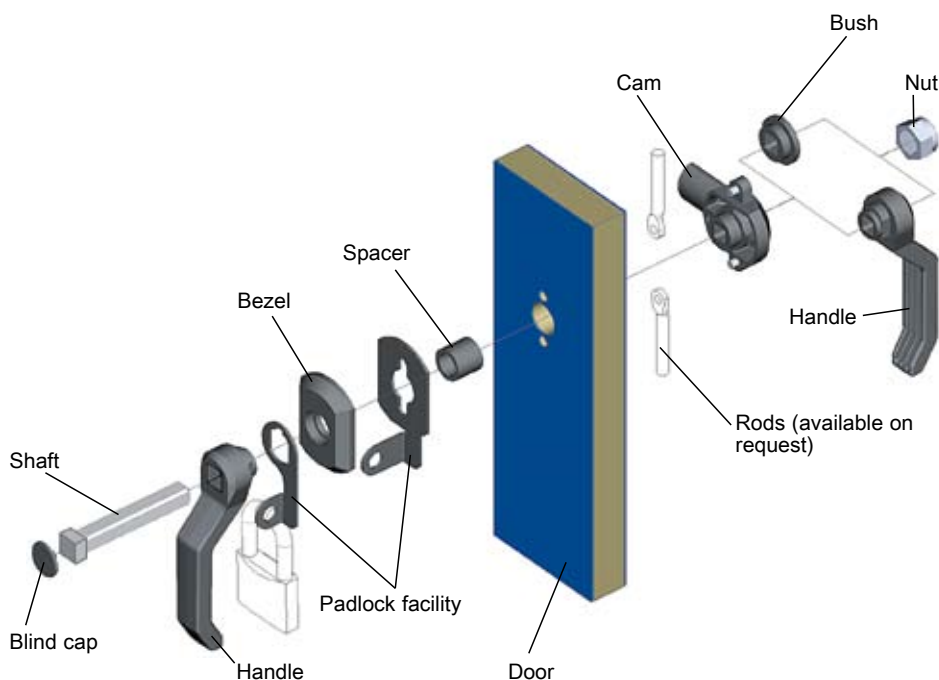
Heavy duty latch with zinc die shaft

PROGRAM 1091

Beschlagteile



Example for arrangement



Attention:
If an internal handle is installed, the maximum door gauge is reduced by 10 mm.

Further parts see page
– Bezel 10A-180
– Padlock facility 10A-180
– Rod on request

Handle Polyamide GF black (outside and inside)

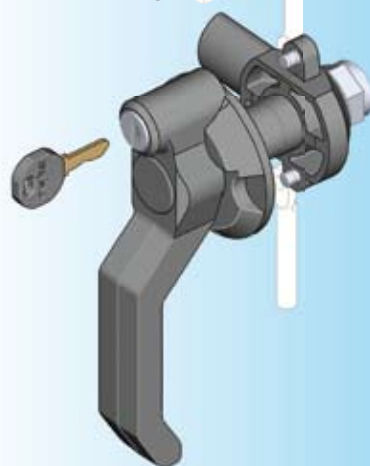
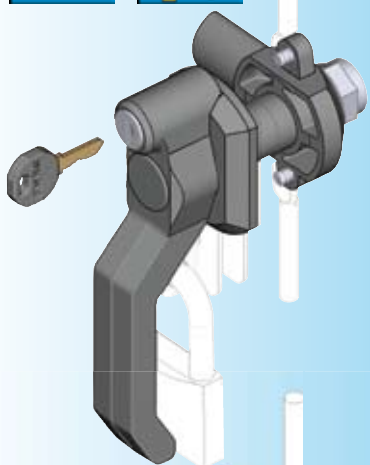
1091-42

Shaft zinc die, Nut m.s.zinc plated, cam, spacer, bush and blind plug Polyamide GF black

Ts	10 – 30	31 – 50	51 – 70
with single point cam	1091-U80	1091-U81	1091-U82
with 3-point cam	1091-U83	1091-U84	1091-U85

Heavy duty latch with zinc die shaft PROGRAM 1091

Beschlagteile



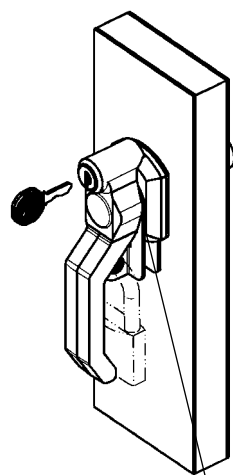
Round bezel with 90°-stopper
1091-97 also suitable for
non-locking handles.

Other inserts available on request

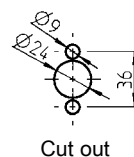
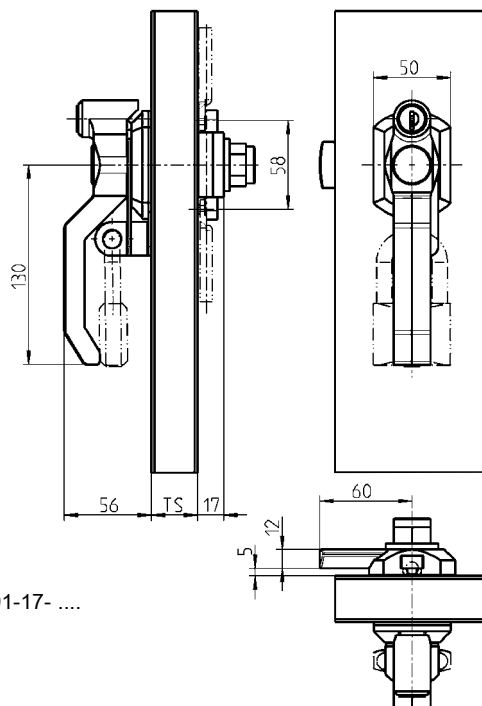
Further parts see page

– Padlock facility 10A-180
– Rod on request

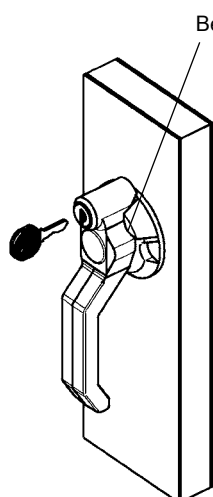
– Key 12B-120
– Spare key 12B-140



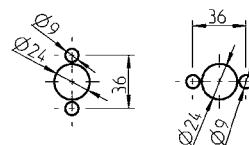
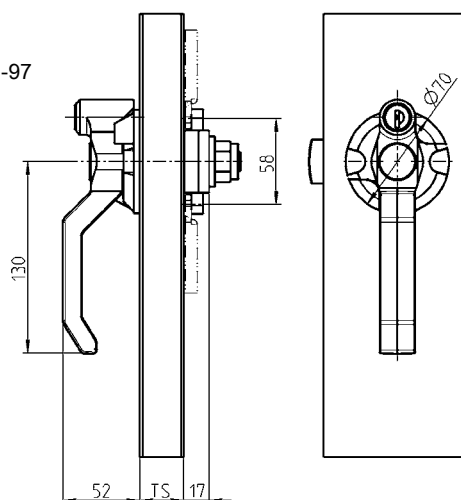
Bezel 1091-17-



Cut out



Bezel 1091-97



Cut out
door version...
LH RH

Handle Polyamide GF black for zinc die shaft, round cylinder zinc die with stainless steel cap and dust cover, insert zinc die chrome plated

keyed EK 333	1091-U72	keyed different	1091-U73
Square 7	1091-U74	Square 8	1091-U75
Triangular 8	1091-U76	Double bit 3	1091-U77
Double bit 5	1091-U78	Slot 2 x 4	1091-U79

Bezel Polyamide black for lockable handle

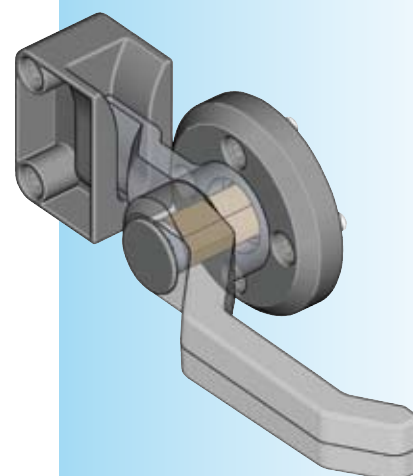
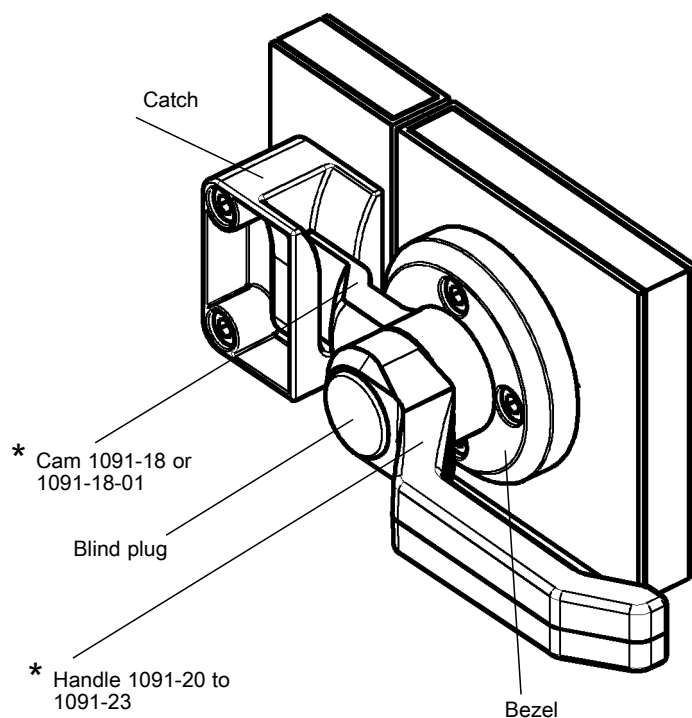
180°-stopper	1091-17-03	90°-stopper, LH	1091-17-04
90°-stopper, RH	1091-17-05	90°-stop, round bezel	1091-97

Shaft zinc die, nut M12 m.s., cam, spacer, bush and blind plug Polyamide GF black

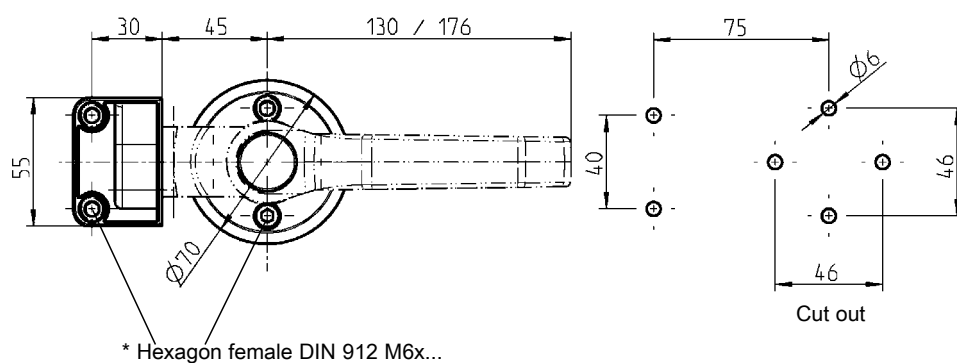
Ts	10 – 30	31 – 50	51 – 70
with single point cam	1091-U80	1091-U81	1091-U82
with 3-point cam	1091-U83	1091-U84	1091-U85

Heavy Duty latch, outside the door

PROGRAM 1091



Combination of:
1091-U121; 1091-96,
handle 1091-21 and
cam 1091-18



*** must order separately**

Bezel and blind plug Polyamide GF black
Shaft brass, fixing m.s. zinc plated

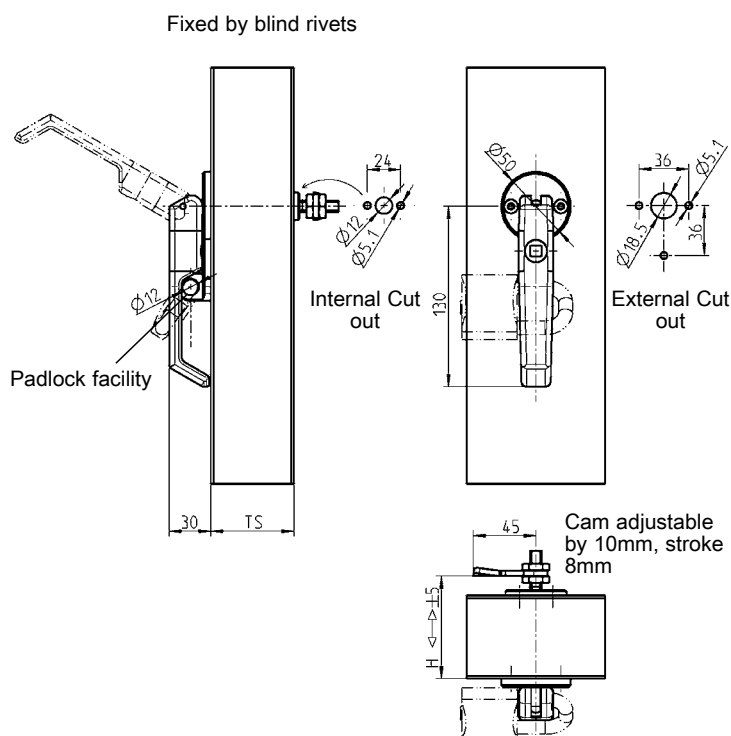
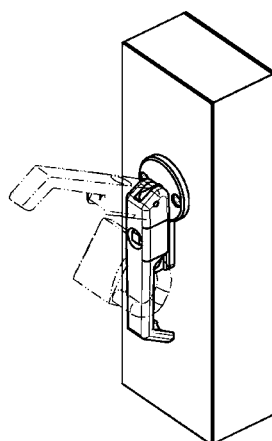
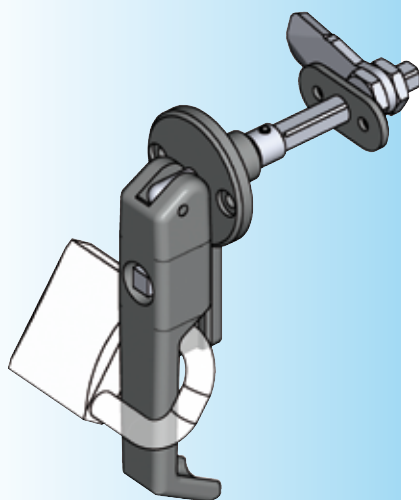
1091-U121

Catch Polyamide GF black

1091-96

Further parts see page

– Outside handle 10A-140
– Cam 10A-160



Lift and turn handle consisting of Handle Polyamide GF black with shaft m.s. zinc plated, back plate zinc die black powder coated, cam for insert m.s. zinc plated, bearing plate zinc die zinc plated, pins and nuts

1091-U95

Cam m.s. zinc plated

straight	1000-203
cranked 10 mm	1000-392
cranked 20 mm	1000-391
cranked 30 mm	1000-390

Insert zinc die chrome plated

Square 6	1121-U11	Double bit 5	1121-U17
Square 7	1121-U12	Daimler Benz	1121-U18
Square 8	1121-U13	Slot 2 x 4	1121-U123
Triangular 7	1121-U14	Eastern European 13 mm dia	1121-U143
Triangular 8	1121-U15	Blind plug	1091-83-AA
Double bit 3	1121-U16	Assembly	1000-990

Shaft m.s. zinc plated (to be pinned to the handle boss)

Ts max.	H-dim. depends on the cam				
	1000 – 390	1000 – 391	1000 – 392	1000 – 203	
40	20 – 30	30 – 40	40 – 50	50 – 60	1091-59-01
60	40 – 50	50 – 60	60 – 70	70 – 80	1091-59-02
80	60 – 70	70 – 80	80 – 90	90 – 100	1091-59-03
100	80 – 90	90 – 100	100 – 110	110 – 120	1091-59-04
120	100 – 110	110 – 120	120 – 130	130 – 140	1091-59-05
140	120 – 130	130 – 140	140 – 150	150 – 160	1091-59-06

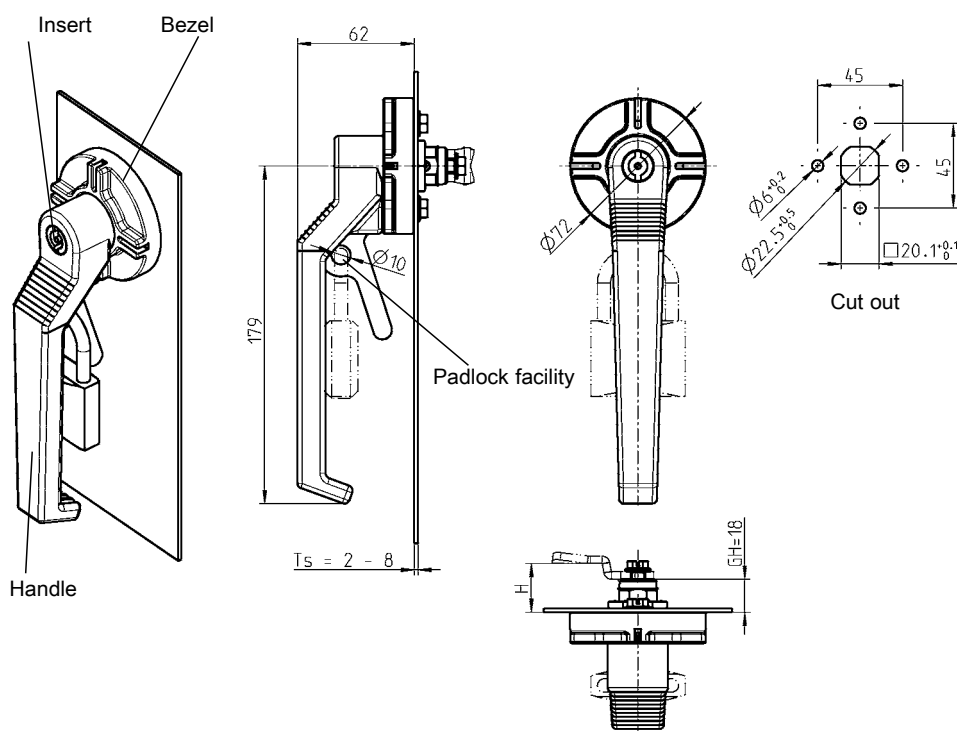
Further parts see page
– Key

12B-120

Heavy duty latch

PROGRAM 1091

Beschlagteile



Insert is spring loaded

Other inserts available on request

Handle zinc die black p.c., insert zinc die chrome plated, round cylinder with stainless steel cap and dust cover, padlock facility stainless steel

without insert	1091-U99	Slot 2 x 4	1091-U108
Double bit 3	1091-U105	keyed EK 333	1091-U110
Slot 1,2 x 3	1091-U109	keyed different	1091-U111

Bezel zinc die black p.c., earthing nut m.s. zinc pl., with seal

LH version	1091-U112
RH version	1091-U113

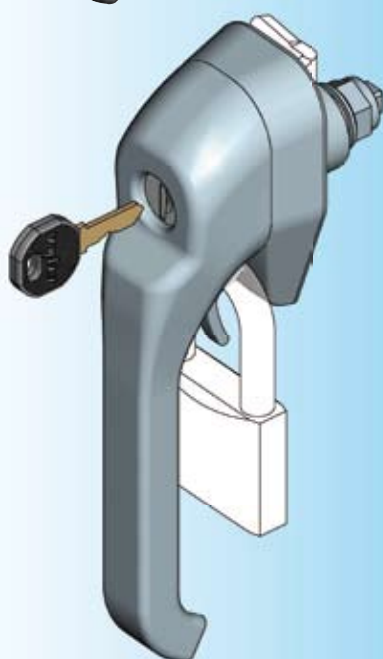
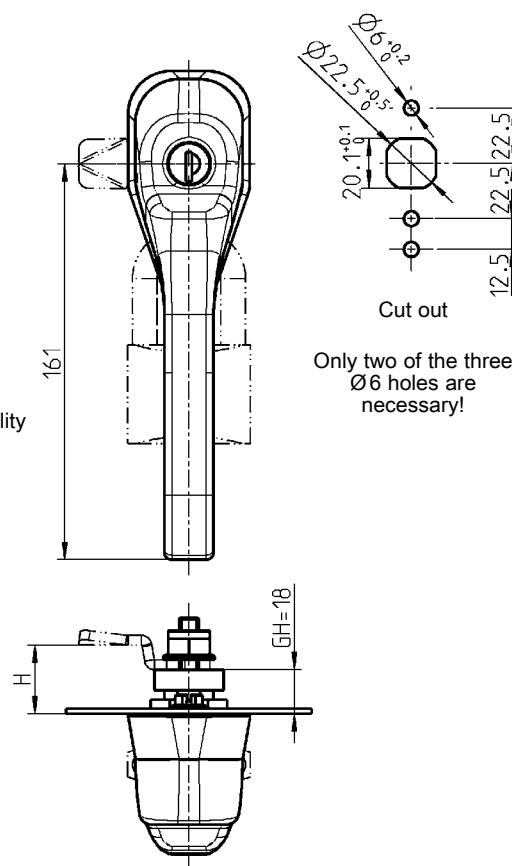
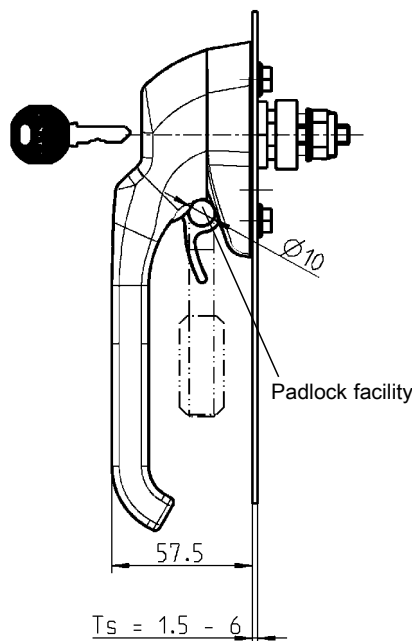
Further parts see page

– Cam with catch (GH=18)

	1C-120
	1C-160
– Ramp	1C-170
– Key	12B-120
– Spare key	12B-140

Heavy duty latch PROGRAM 1091

Beschlagteile



Further parts see page

- Cam with catch (GH=18) up to 1C-120
- Ramp up to 1C-160
- Key 1C-170
- Spare key 12B-120
- 12B-140

Handle zinc die black p.c., round cylinder with stainless steel cap and dust cap, insert and lever zinc die chrome plated, stop plate zinc die zinc plated, fixing material m.s. zinc plated. Each round cylinder has one silver steel key with polyamide grip GF black.

spring loaded

without insert	1091-U122	Triangular 8	1091-U131
keyed EK 333	1091-U123	Double bit 3	1091-U132
keyed different	1091-U124	Double bit 5	1091-U133
Square 6	1091-U125	Hexagon female 8	1091-U134
Square 7	1091-U126	Hexagon female 10	1091-U135
Square 8	1091-U127	Square female 8	1091-U136
Square 8 slotted	1091-U128	Slot 2 x 4	1091-U137
Triangular 6,5 CNOMO	1091-U129	Daimler Benz	1091-U138
Triangular 7	1091-U130	Eastern Europe Ø13 half round	1091-U139

without spring-load

keyed EK 333	1091-U140	keyed different	1091-U141
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Heavy duty latch AISI 316,

round cylinder with stainless steel cap and dust cap zinc die chrome plated
Each cylinder has one silver steel key with polyamide GF grip black.

spring loaded

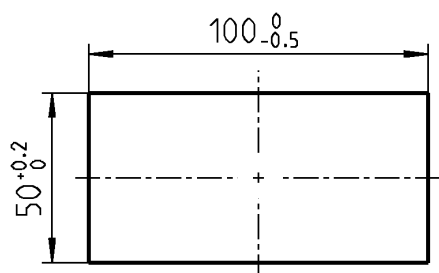
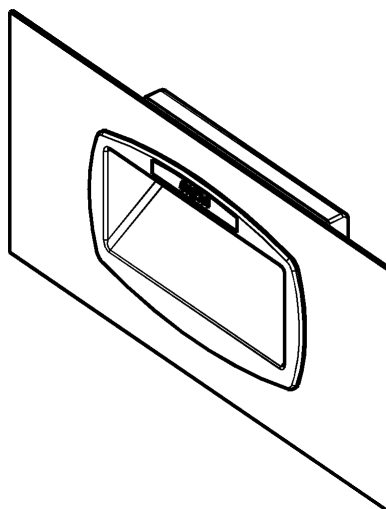
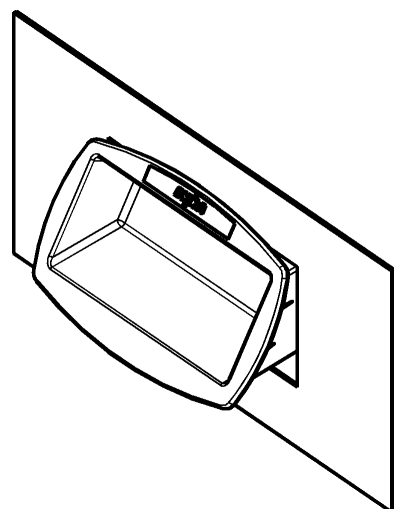
without insert	1091-U142	keyed different	1091-U142-03
keyed EK 333	1091-U142-02	Slot 2 x 4	1091-U142-01

Pull

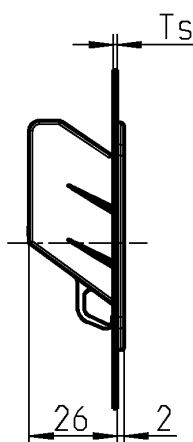
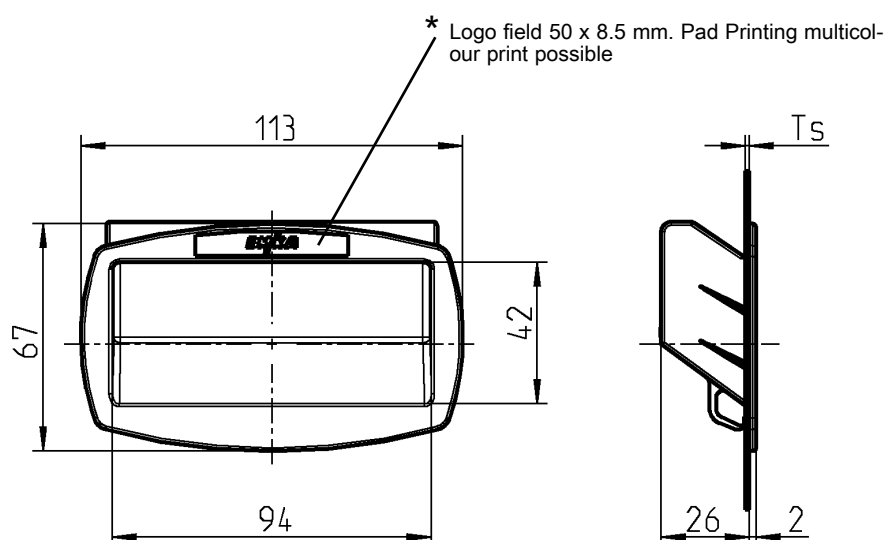
PROGRAM 1091

Pull can be clipped into cut out

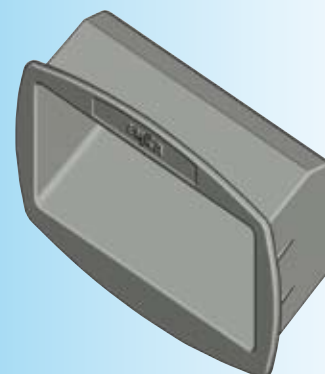
Ready for operating



Cut out



RL



1 Quarter turns

2 Rod controls

3 Locking systems

4 Hinges

5 Gasketing

6 Handles

7 Aluminium windows

8 Stainless steel

9 Latches

10 Air-conditioning

Pull Polyamide GF black

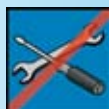
Ts 0.80 - 1.2 mm	1091-93
Ts 1.20 - 1.6 mm	1091-91
Ts 1.75 - 2.2 mm	1091-92

Assembly

The pull is fitted with clips that automatically snap in behind the door part.

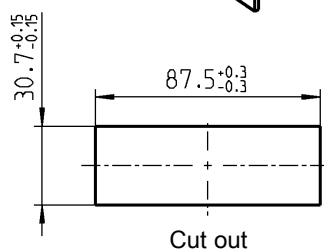
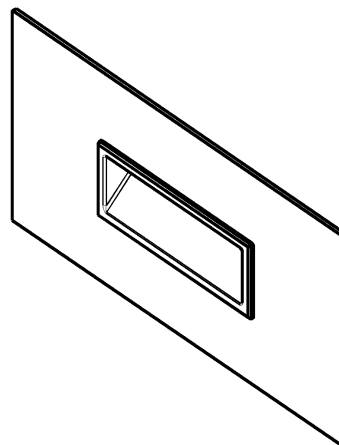
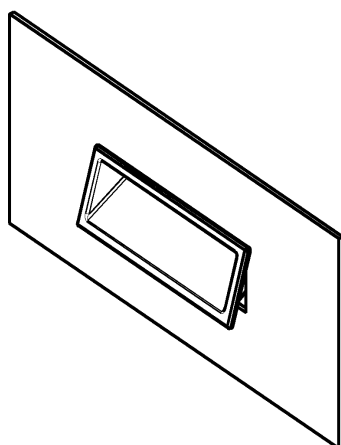
Pull PROGRAM 1091

RL

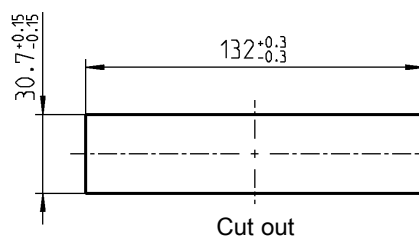
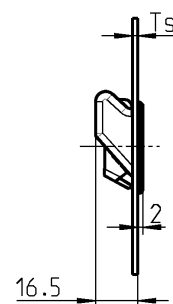
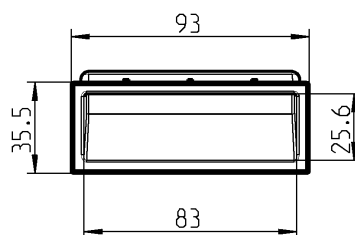


Press pull into cut out

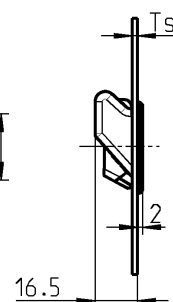
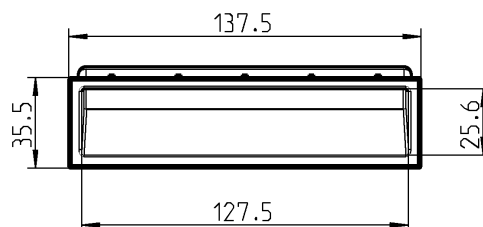
Ready for operating



Version A



Version B



Product benefits

- cost savings due to quick mounting without tools
- escutcheon automatically clicks into place behind the door leaf
- corrosion-resistant of PA6 GF30

Assembling:

The pull is fitted with clips that automatically snap in behind the door part.

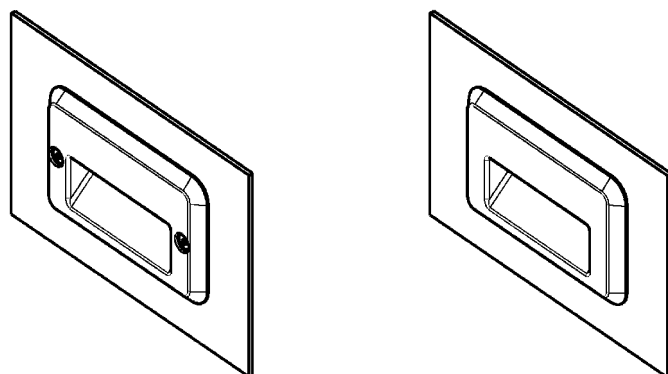
Pulls for other door thickness on request

Pull Polyamide GF Black

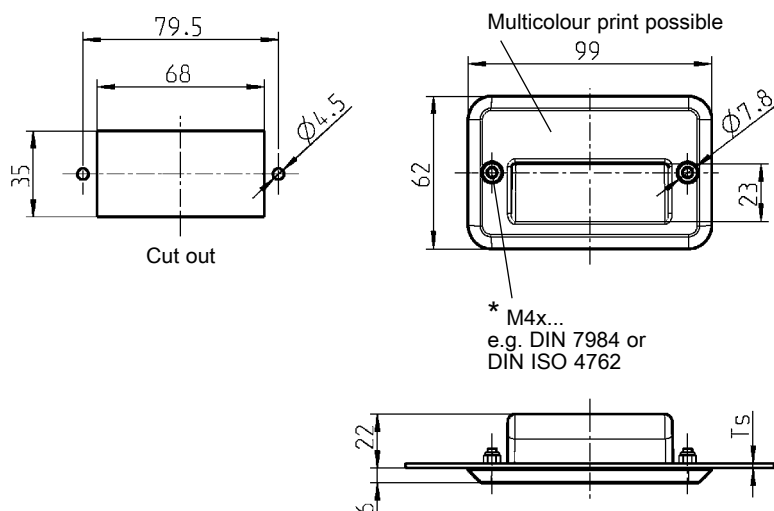
	Version A	Version B
Ts 0,8 - 1,2 mm	1091-103-01	1091-109-01
Ts 1,2 - 1,6 mm	1091-103-02	1091-109-02
Ts 1,75 - 2,2 mm	1091-103-03	1091-109-03

Pull

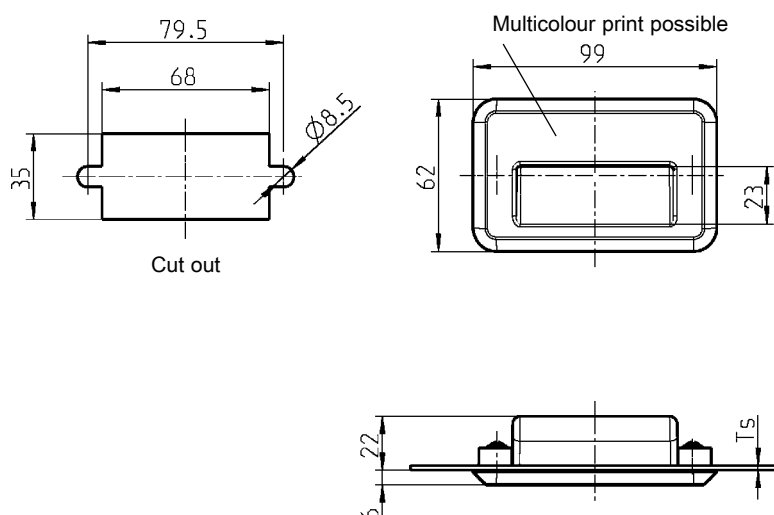
PROGRAM 1091



Version A



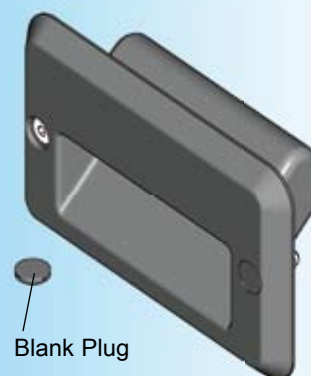
Version B



RL IP 54 IP 65

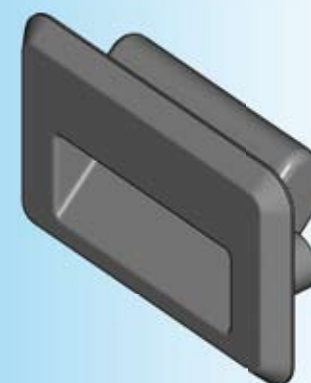


Version A



Blank Plug

Version B



Pull polyamide GF black, with seal
Version B clip polyamide GF black, fixing material m.s. zinc pl.

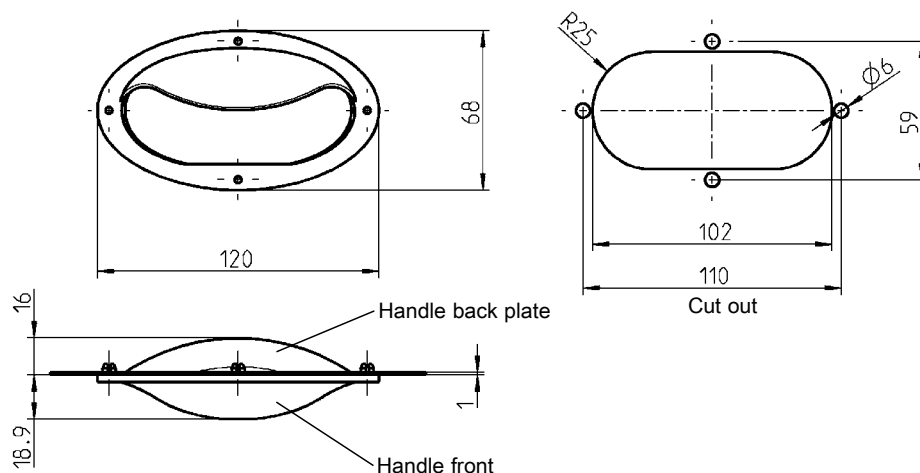
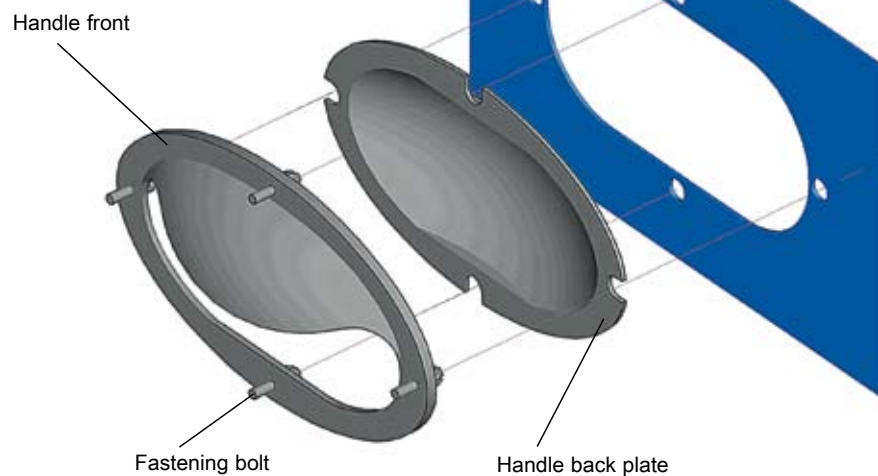
Version A	IP 54	Ts 0.8 - 7	1091-105
Version B	IP 65	Ts 0,8 - 3 **	1091-U144

Plug polyethylene black for version A

(2 plugs are needed per pull)	1091-106
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* not included

** other door thickness on request



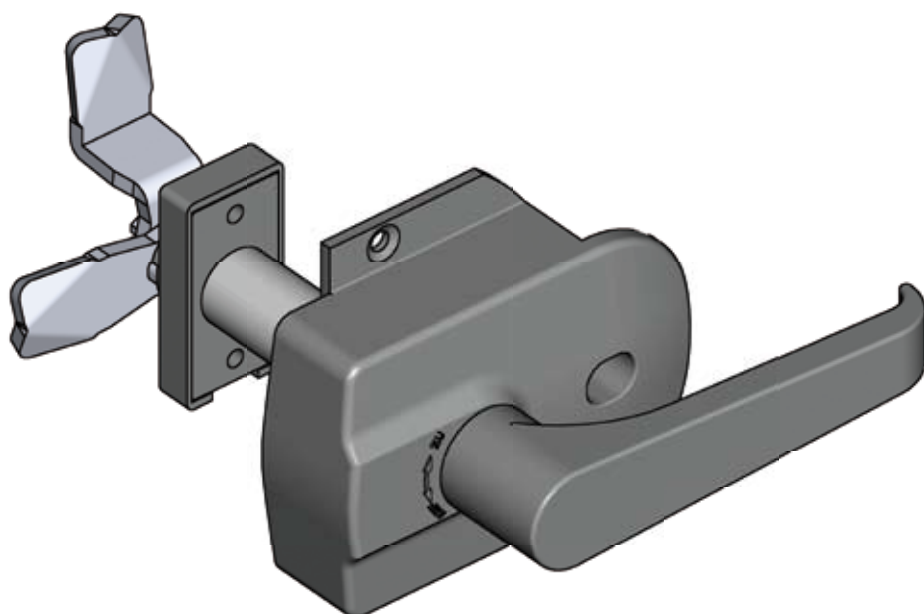
Pull Handle Polyamide GF black

1091-U97

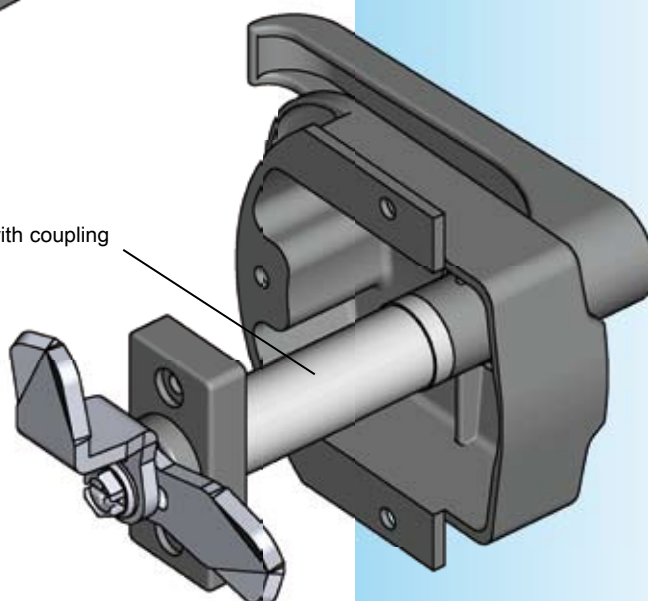
Surface mounted door lock with 2 step opening for pressure relief

PROGRAM 1000

Example



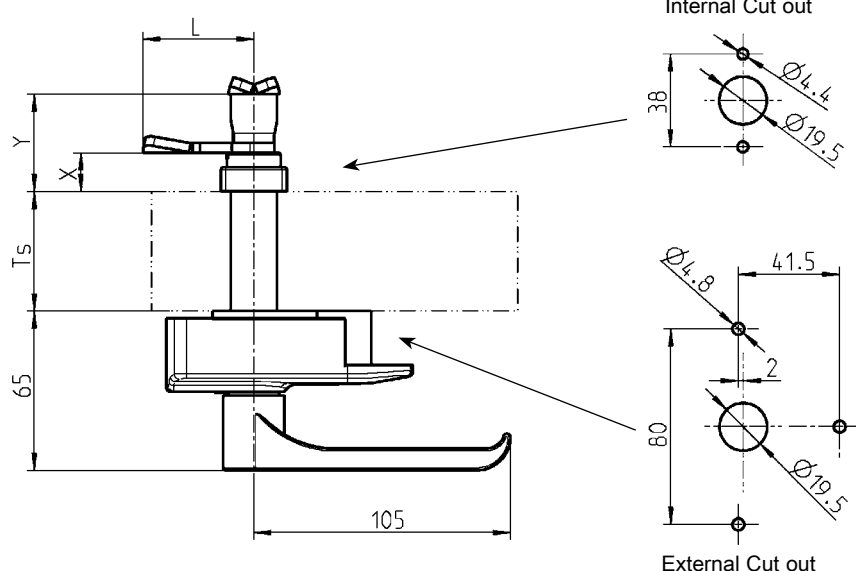
Square shaft with coupling



Combination of articles according to customers' request.

The Ts dimension of square shaft and spacer piece is defined exactly according to customers's request.

The measurements X and L are fixed according to customer information.

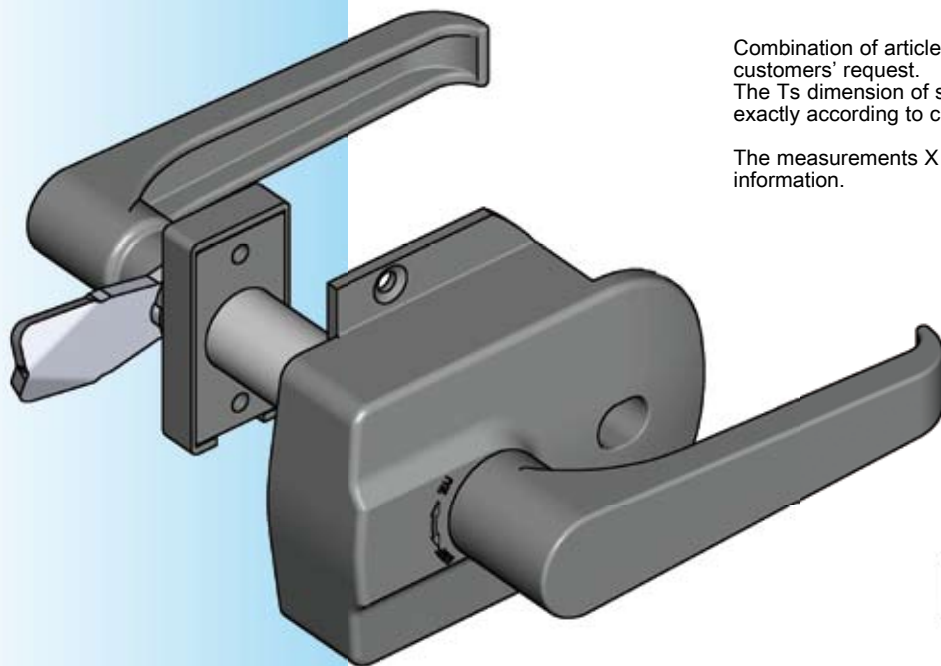


Attention:
Measurements Ts, X and L are specified according to customer information

RL

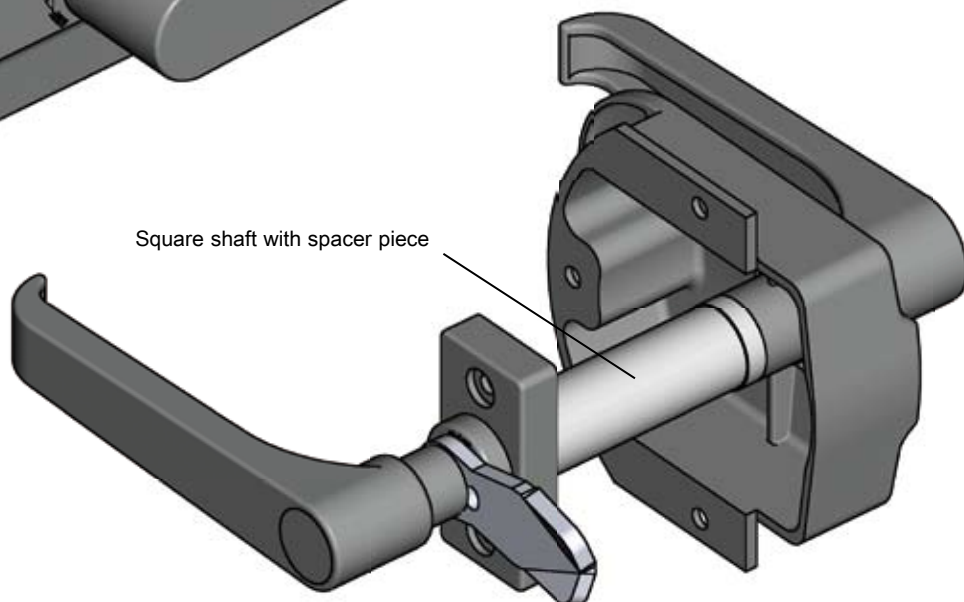


Example



Combination of articles according to customers' request.
The Ts dimension of square shaft and spacer piece is defined exactly according to customers's request.

The measurements X and L are fixed according to customer information.



Square shaft with spacer piece

Attention:
Measurements Ts, X and L are
specified according to customer
information

