

Multi-function latching system

Outside handles



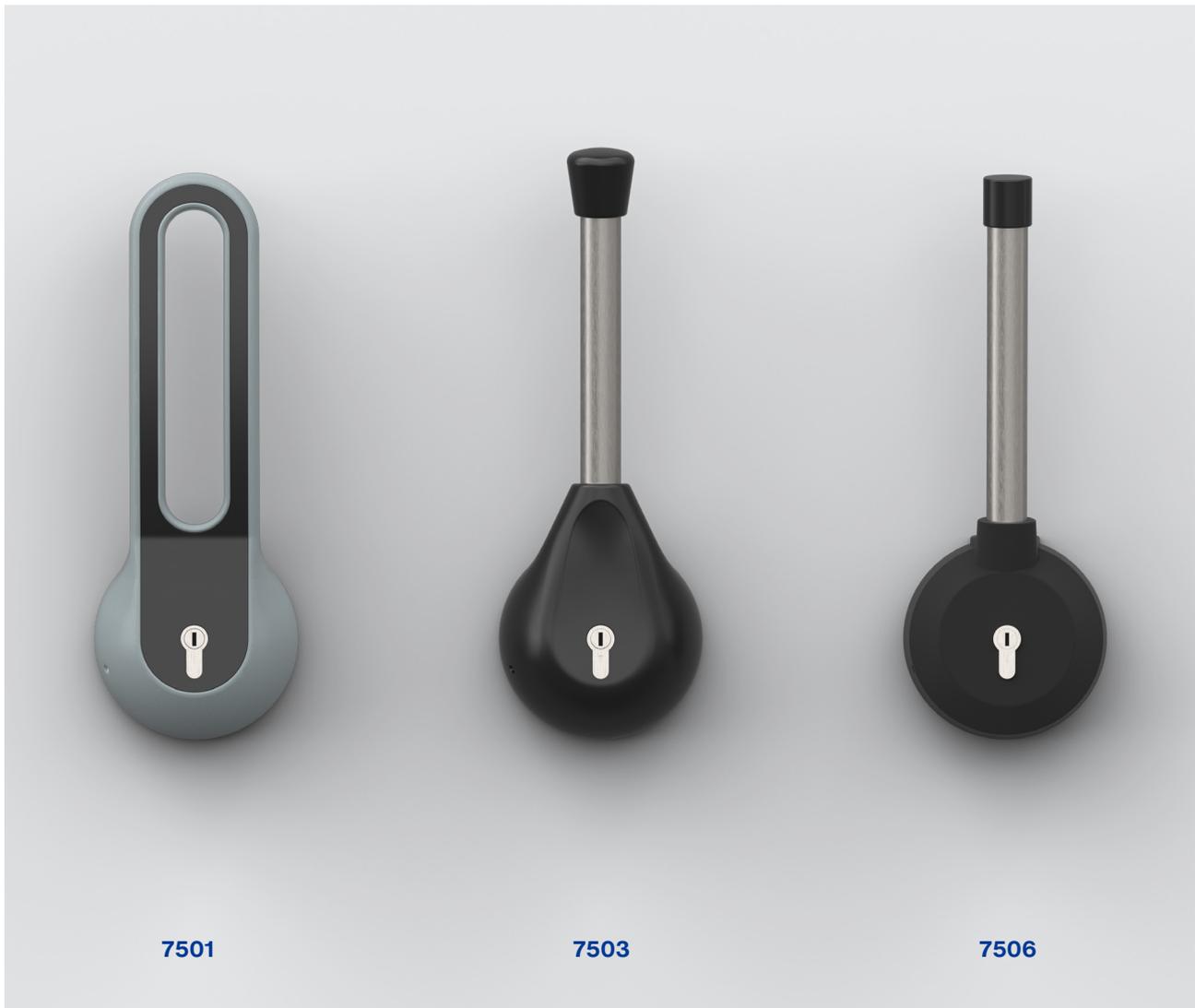
- The square bar length of the outside handle is determined by the door thickness (T)
- The socket of the inside handle is determined by the type of door stop
- Series replaces the 7101 series
- 2 hole pattern variants ensure compatibility with already existing hole patterns on the market
- Easy assembly:
Outside and inside handle are each secured in the flange during assembly, so they cannot fall out when screwed together
- Can be used for left- and right-hand doors by simply rotating the flange
- Automatic tolerance compensation ensures play-free installation of the multi-functional latching systems



Inside handles



Outside handles



Which hole pattern?

2 hole patterns for outer- and inner flange:

- Hole pattern 1 for new developments
- Hole pattern 2 compatible with existing hole patterns on the market

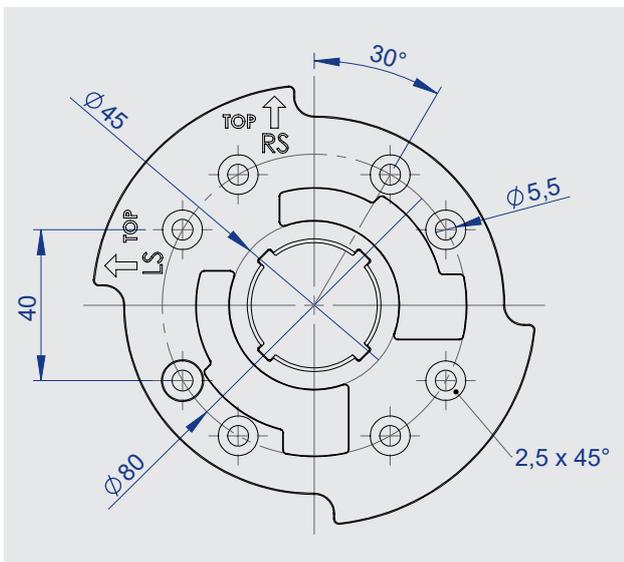
Flanges can be used for left- and right-hand doors by appropriate positioning

Outside handles



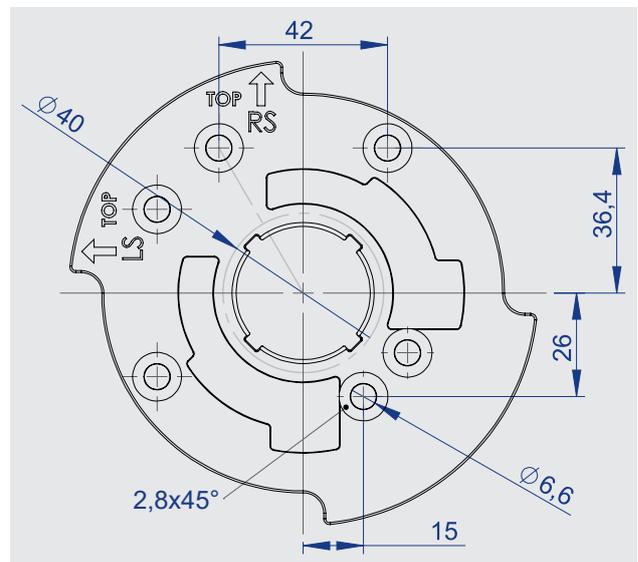
	7501		7503		7506	
Door thickness	Hole pattern 1	Hole pattern 2	Hole pattern 1	Hole pattern 2	Hole pattern 1	Hole pattern 2
T = 80 mm	7501-020080	7501-092080	7503-020080	7503-092080	7506-020080	7506-092080
T = 90 mm	7501-020090	7501-092090	7503-020090	7503-092090	7506-020090	7506-092090
T = 100 mm	7501-020100	7501-092100	7503-020100	7503-092100	7506-020100	7506-092100
T = 110 mm	7501-020110	7501-092110	7503-020110	7503-092110	7506-020110	7506-092110
T = 120 mm	7501-020120	7501-092120	7503-020120	7503-092120	7506-020120	7506-092120
T = 130 mm	7501-020130	7501-092130	7503-020130	7503-092130	7506-020130	7506-092130
T = 140 mm	7501-020140	7501-092140	7503-020140	7503-092140	7506-020140	7506-092140
T = 160 mm	7501-020160	7501-092160	7503-020160	7503-092160	7506-020160	7506-092160
T = 180 mm	7501-020180	7501-092180	7503-020180	7503-092180	7506-020180	7506-092180
T = 200 mm	7501-020200	7501-092200	7503-020200	7503-092200	7506-020200	7506-092200

Outside flanges



Hole pattern 1
Die-cast zinc, cathodic dip coated (CDC)

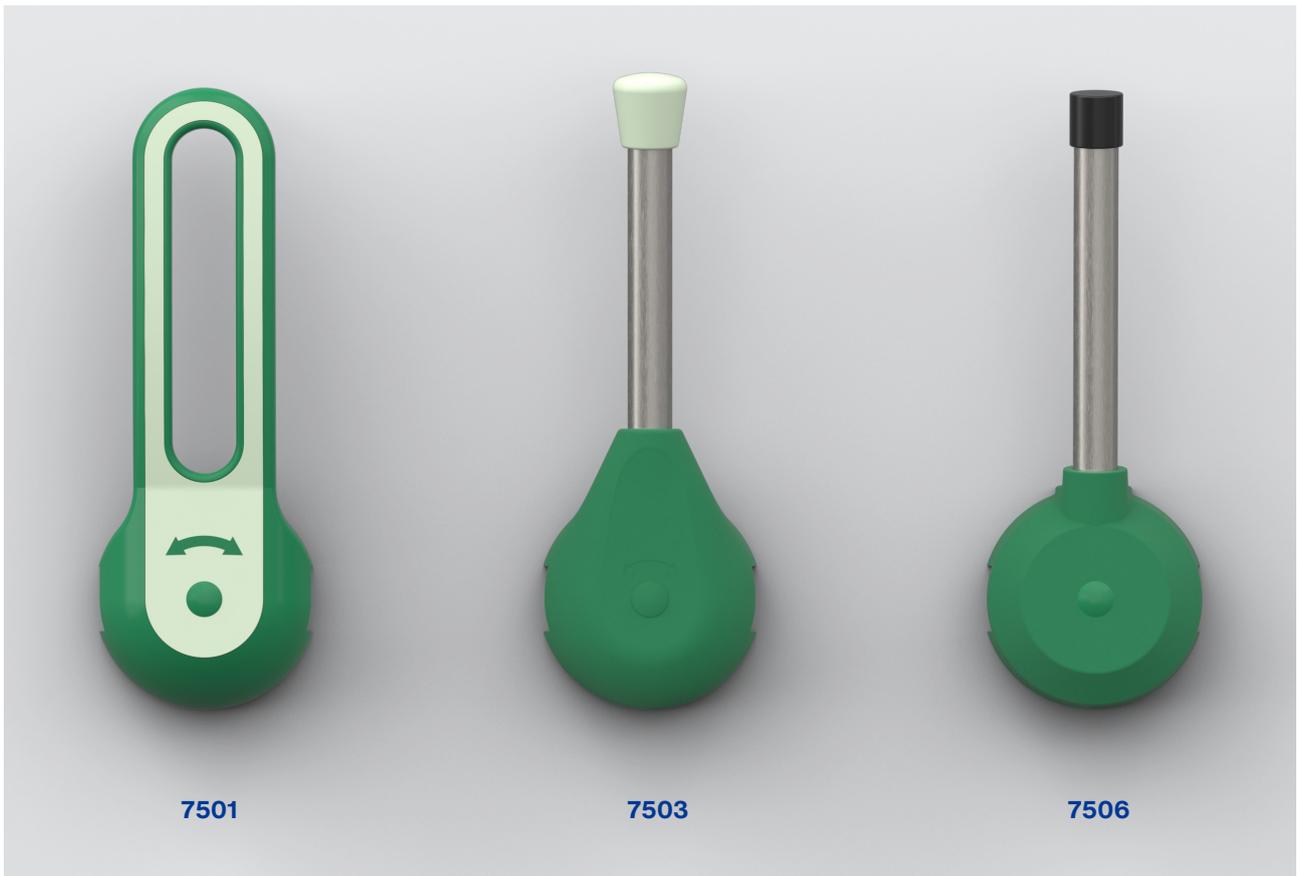
→ Standard item → On request



Hole pattern 2
Die-cast zinc, cathodic dip coated (CDC)

T = Door thickness

Inside handles & sockets



Socket for inside handle,
nose 80 mm



Socket for inside handle,
nose 100 mm



Socket for inside handle,
for doors opening to the inside



Socket for inside handle,
nose 80 mm, for multi-point latching

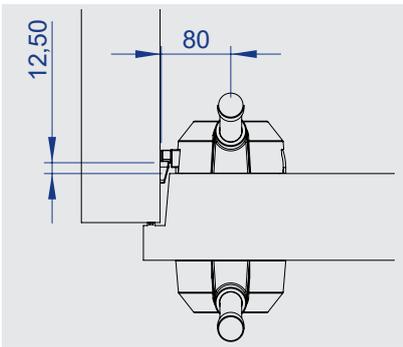


Socket for inside handle,
nose 100 mm, for multi-point latching

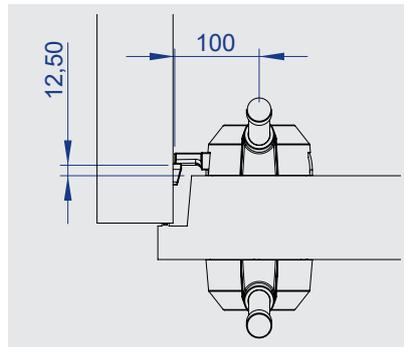


Socket for inside handle,
Spring-loaded catch

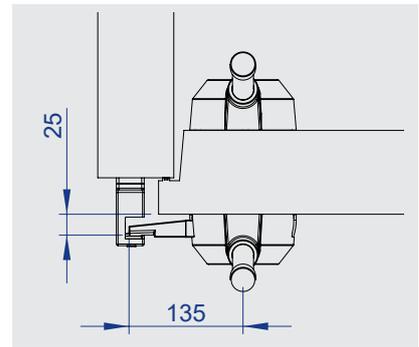
Door stop examples



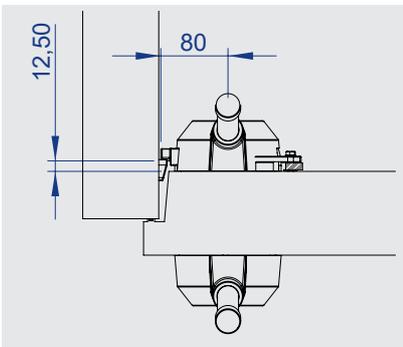
Nose 80 mm



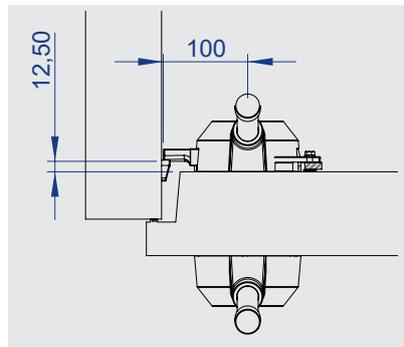
Nose 100 mm



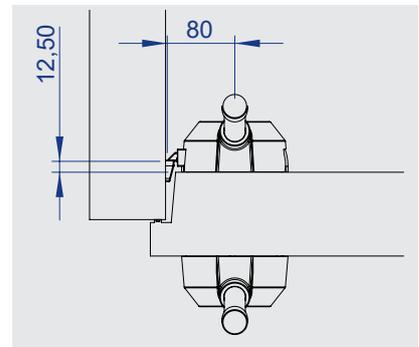
Opening to the inside



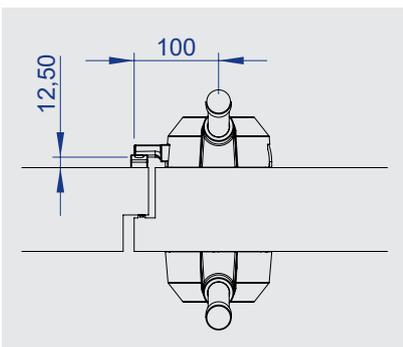
Nose 80 mm for multi-point latching



Nose 100 mm for multi-point latching



Spring-loaded catch



Double leaf door

Inside latching systems



7501

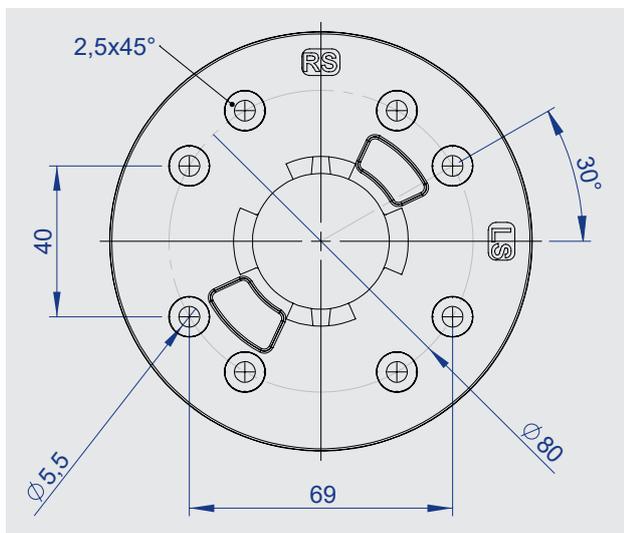
7503

7506

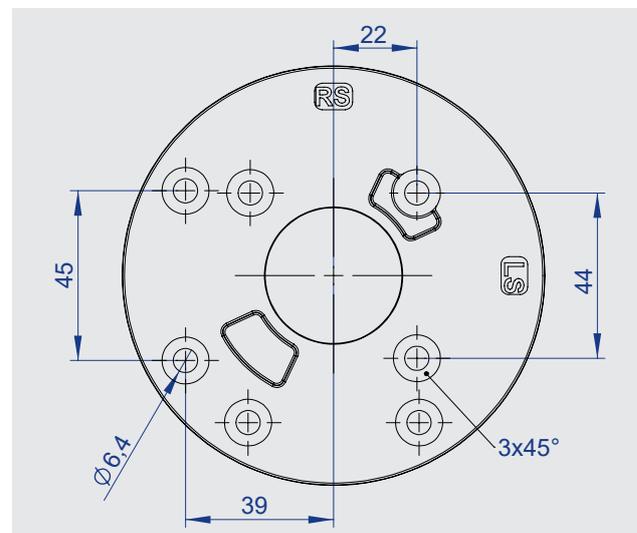
	7501		7503		7506	
	Hole pattern 1	Hole pattern 2	Hole pattern 1	Hole pattern 2	Hole pattern 1	Hole pattern 2
Socket, nose 80 mm	7501-020221	7501-092221	7503-020221	7503-092221	7506-020221	7506-092221
Socket, nose 100 mm	7501-020231	7501-092231	7503-020231	7503-092231	7506-020231	7506-092231
Socket for doors opening to the inside	7501-020235	7501-092235	7503-020235	7503-092235	7506-020235	7506-092235
Socket, nose 80 mm, MPL f. left-hand doors	7501-020223	7501-092223	7503-020223	7503-092223	7506-020223	7506-092223
Socket, nose 80 mm, MPL f. right-hand doors	7501-020222	7501-092222	7503-020222	7503-092222	7506-020222	7506-092222
Socket, nose 100 mm, MPL f. left-hand doors	7501-020233	7501-092233	7503-020233	7503-092233	7506-020233	7506-092233
Socket, nose 100 mm, MPL f. right-hand doors	7501-020232	7501-092232	7503-020232	7503-092232	7506-020232	7506-092232
Spring-loaded catch	7501-020220	7501-092220	7503-020220	7503-092220	7506-020220	7506-092220

The inside latching system consists of inside handle, handle socket and inside flange.

Inside flanges



Hole pattern 1
plastic



Hole pattern 2
plastic

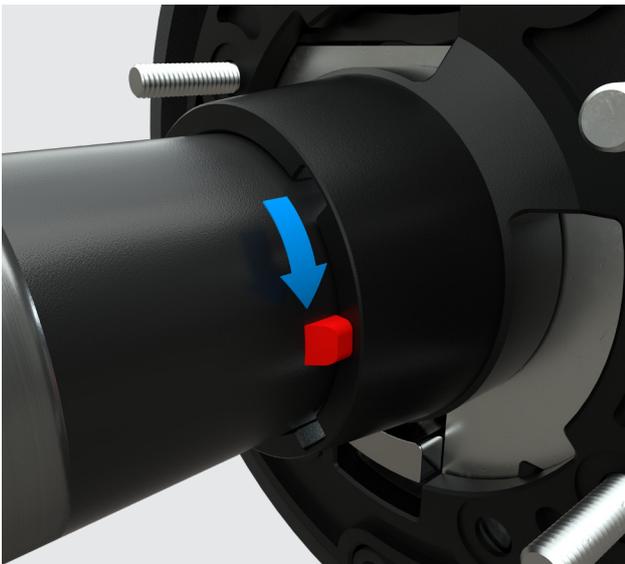


Outside handle assembly assistance



1. Inserting outside handle into flange

The outside handle is rotated by 45° relative to the outside flange which is screwed to the door leaf. The guide cam (shown in red) of the outside handle can slide into the groove of the outside flange. The outside handle is inserted into the outside flange/door leaf and the guide cam thus reaches the back of the sleeve of the outside flange.



2. Fixating the outside handle

By turning the outside handle now, the guide cam connects the outside handle and the outside flange without play. At the same time it ensures smooth operation of the handle on the flange. The outside flange and outside handle are now securely preassembled with each other.

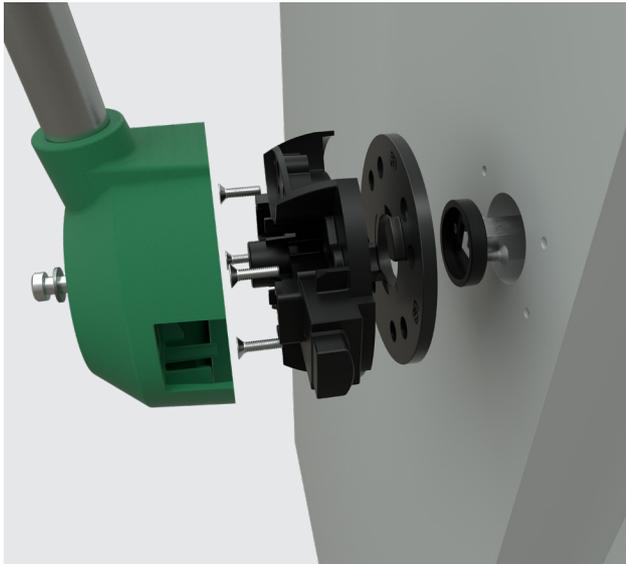


3. Mounting preparation for inside handle

Pre-assembly of the outside flange with the outside handle not only ensures optimal positioning of both components, but also prevents the handle from falling out after flipping the door for the assembly of the inside handle. The assembly aid of the latching system saves time, and acts as a „third hand“ which makes the assembly simple and efficient.

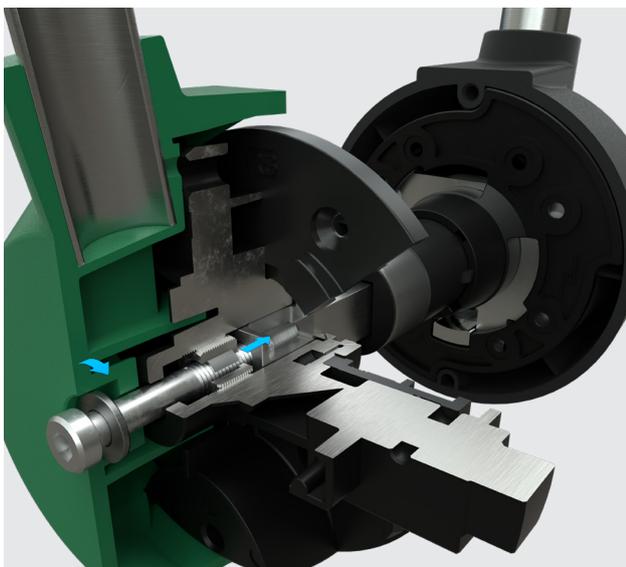


Automatic tolerance compensation



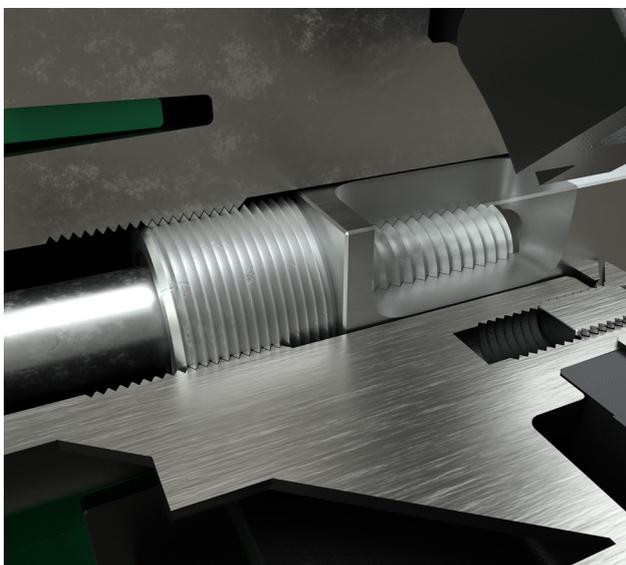
4. Mounting the inside handle

To mount the inside handle, the pre-assembled unit (consisting of socket and internal flange), is screwed onto the inside of the door leaf. For this purpose, the socket is provided with corresponding holes through which the flange can be mounted. The optimum positioning of the socket and the inner flange in relation to each other also ensures play-free and smooth operation of the latching system.



5. Attaching the inside handle

When screwing the inside latch to the square bar of the outside handle, Rahrbach works with the proven technology of automatic tolerance compensation. This is most helpful due to door thickness tolerances. Here, the cylinder head screw is guided through an inner ring with a spring cage before it engages in the inner thread of the square bar. When the screw is screwed into the square bar, the inner ring automatically moves towards the square bar. This makes sure the inside handle can be mounted tightly to the outside handle without any further adjustment.

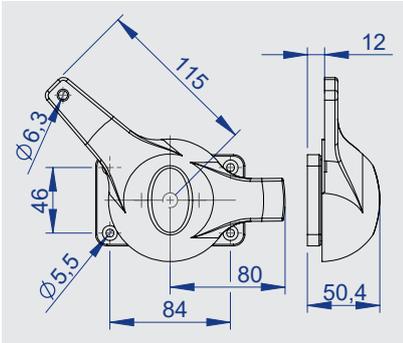


6. Play-free mounting without accessories

When the inner ring meets the square bar, the inner handle and square bar can be securely screwed together without play. The image on the left shows the screw inside the square bar and the inner ring resting against it without play. Thanks to the optimum positioning of the handles on the flanges and the play-free mount of the components, this latching system has a very smooth action. In addition, there is no need to use any other parts like washers or shims to tighten the inside and outside handle securely.

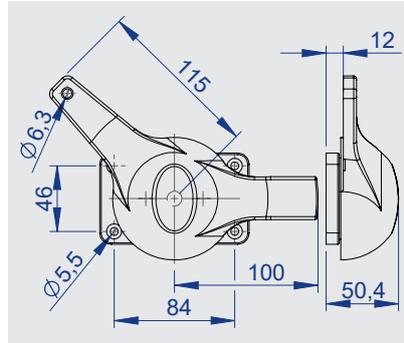
Assembly of the entire latching system is thus quick, easy and without play and errors.

Accessories



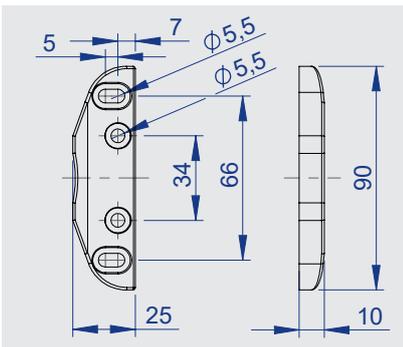
Multi-point latch, 80 mm

Right	7500-020010
Left	7500-020011

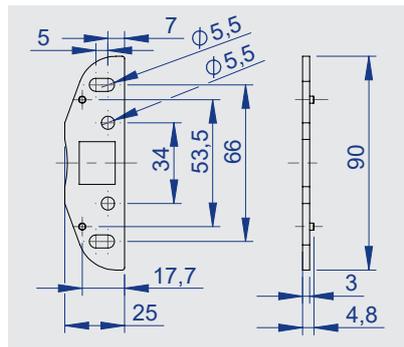


Multi-point latch, 100 mm

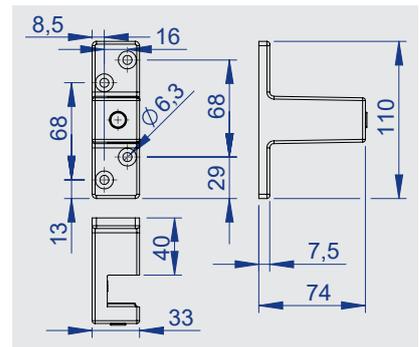
Right	7500-020012
Left	7500-020013



7101-020061
Latching cam

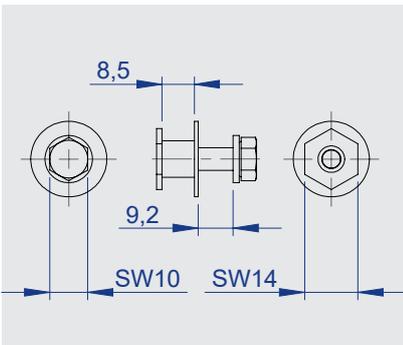


7500-020062
Shim for latching cam, 3 mm

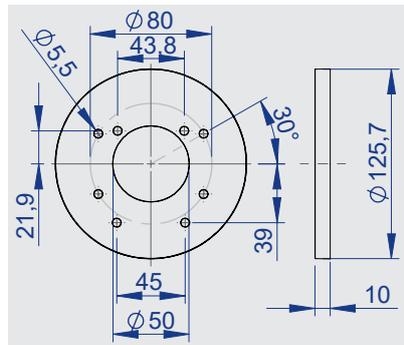


Strike
for inside-opening doors 74 mm

Right	7101-020520
Left	7101-020521



7101-020081
Fixation set for multipoint latching



7501-020063
Spacer ring

