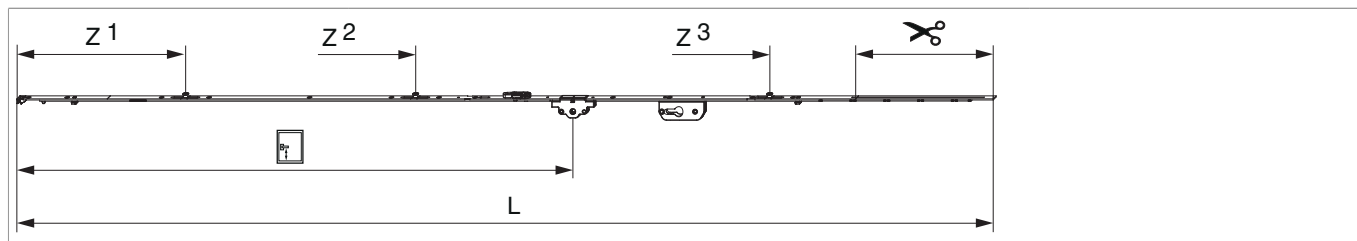




205633 - tilt&turn drive gear MM 2200 BS45 fixed handle height lockable for PC with 3 i.S. SRH 1.951-2.200 GM1.050 silver

Technical drawing



		L							Nº
silver	2200	2.096,5	45	1.050	1.951 - 2.200	260,5	1	10	205633 ^{1) 2)}

¹⁾ Recommendation: Handle height should be between 1/3 and 1/2 of sash rebate height (SRH).

²⁾ Cropping for end piece 115 mm and 170 mm possible. Notch only at 170 mm.

Screw position table

Nº		1	2	3	4	5	6	7	8	9	10	11	12	13	14
205633	12	18,5	91,5	270	360	550	705	795	863,5	1.124	1.388	1.465	1.729		

Cam position table

Nº		Z1	Z2	Z3	Z4	
205633	3	315	750	1.420		

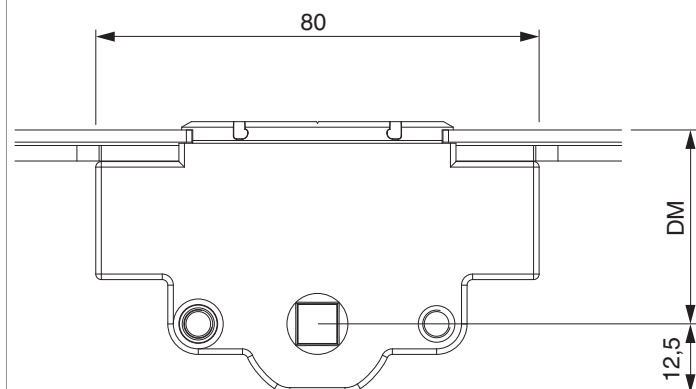
Jigs

			Nº
Drilling jig for lockable door espagnolettes BS 25-50 mm	profile width max. 110 mm	1	214634

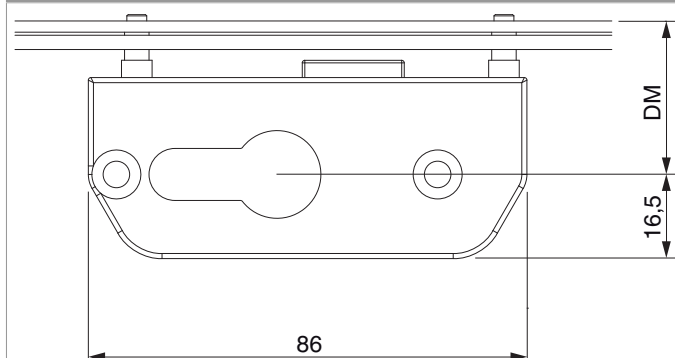


**205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver**

Gearbox dimensions

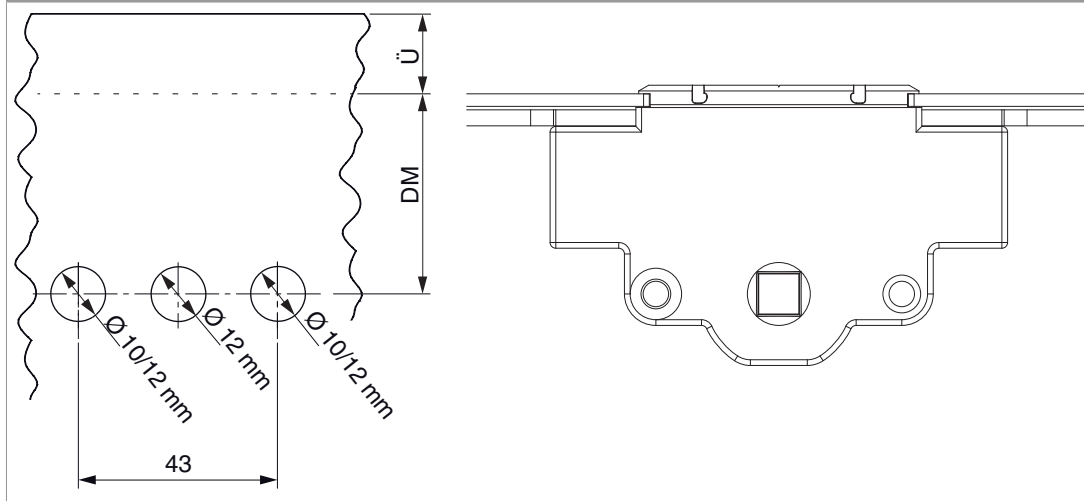


- Use SPAX screw with Ø 5 mm or M5 screw to fasten the handle.



Drilling hole pattern

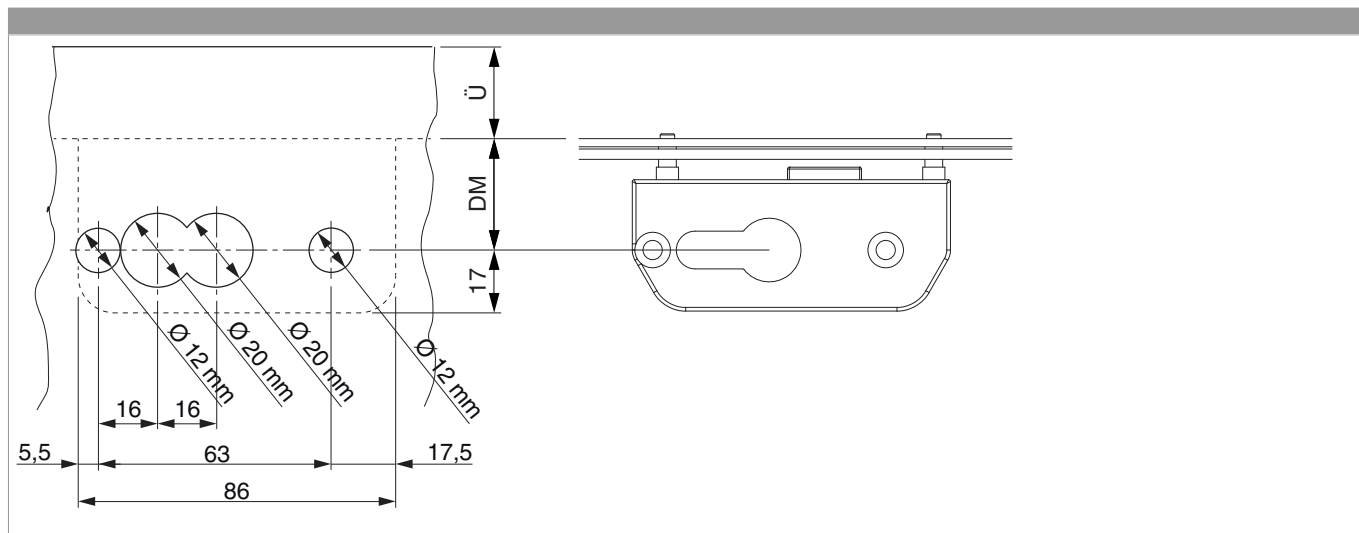
For timber, PVC and aluminium windows





205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver

Gearbox drilling hole pattern

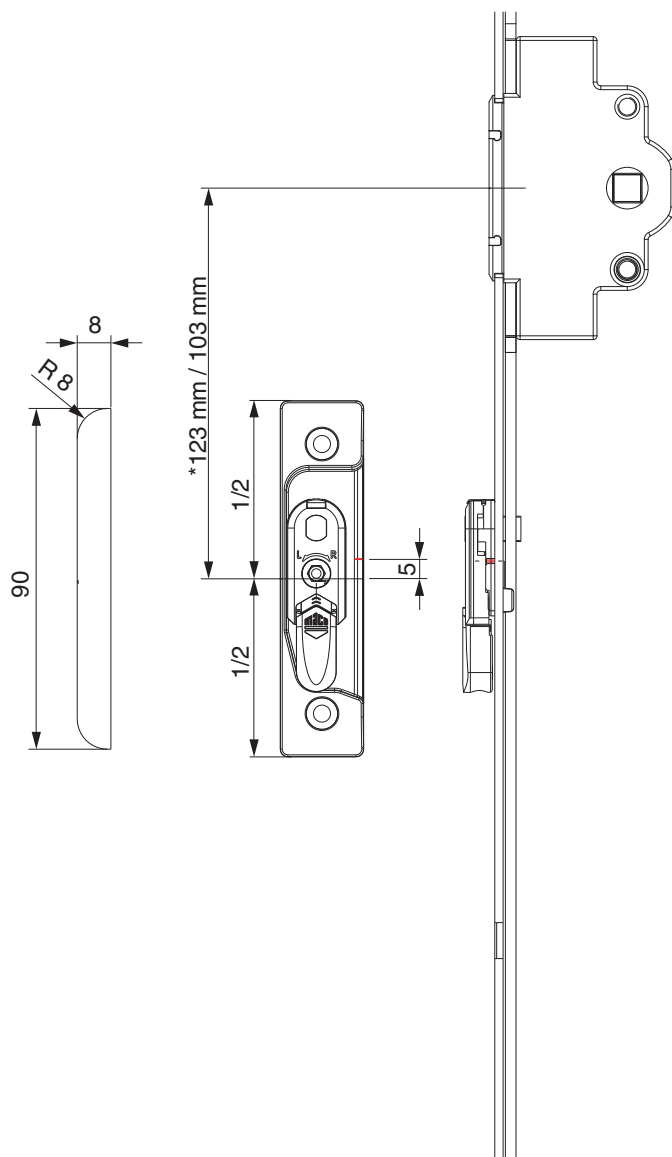




205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver

Positioning the sash lifter components

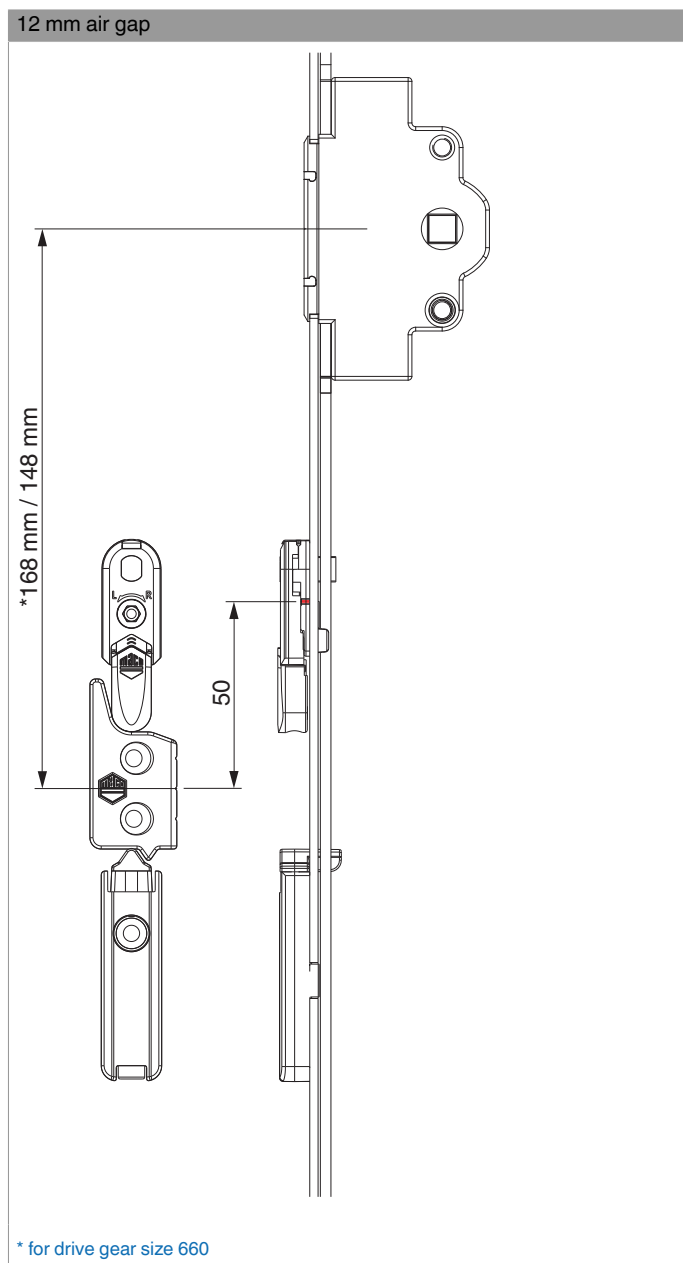
4 mm air gap / without door catch



* for drive gear size 660



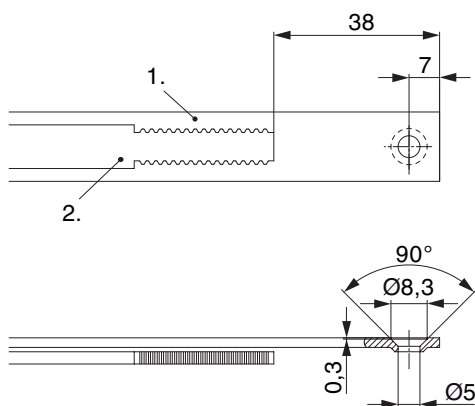
**205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver**





**205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver**

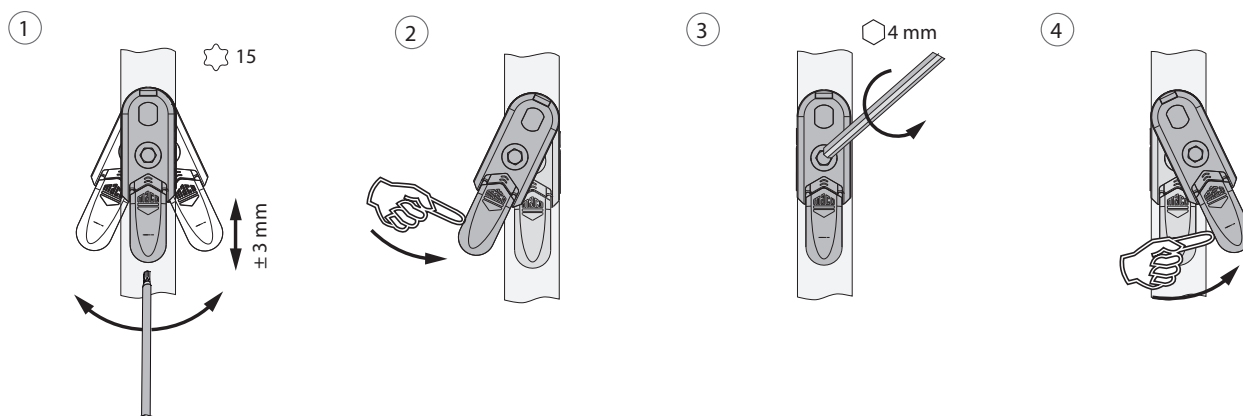
Punch pattern



• We recommend re-treating the cropped edges of Tricoat-Evo fittings with the Tricoat-Evo touch-up paint (item no. 373439).

- 1. Faceplate
- 2. Drive track

Activation and adjustment of sash lifter



- 1. Activation and height adjustment of sash lifter
- 2. Re-setting the sash lifter.
- 3. Setting neutral position of sash lifter.
- 4. Activating the sash lifter.

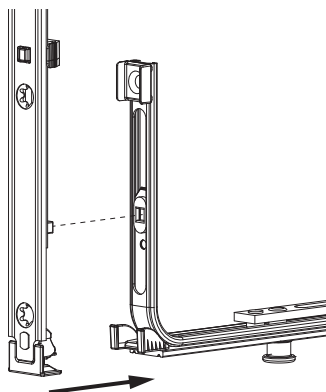


205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver

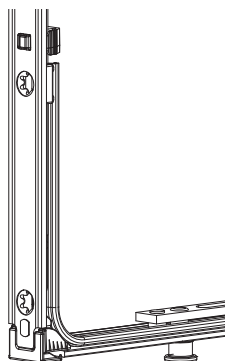
Snap joint

Engage snap joint

①

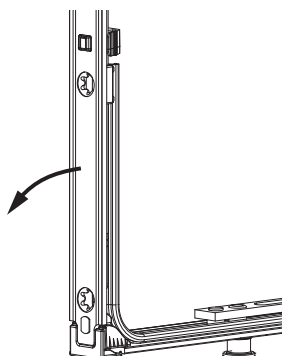


②

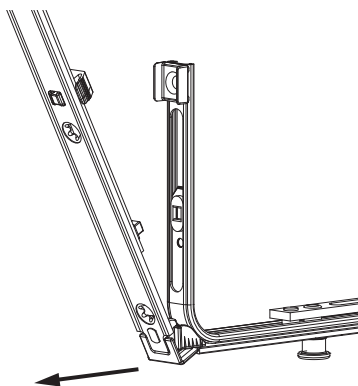


Disengage snap joint

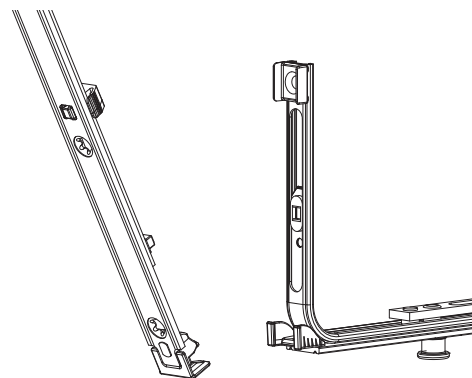
①



②



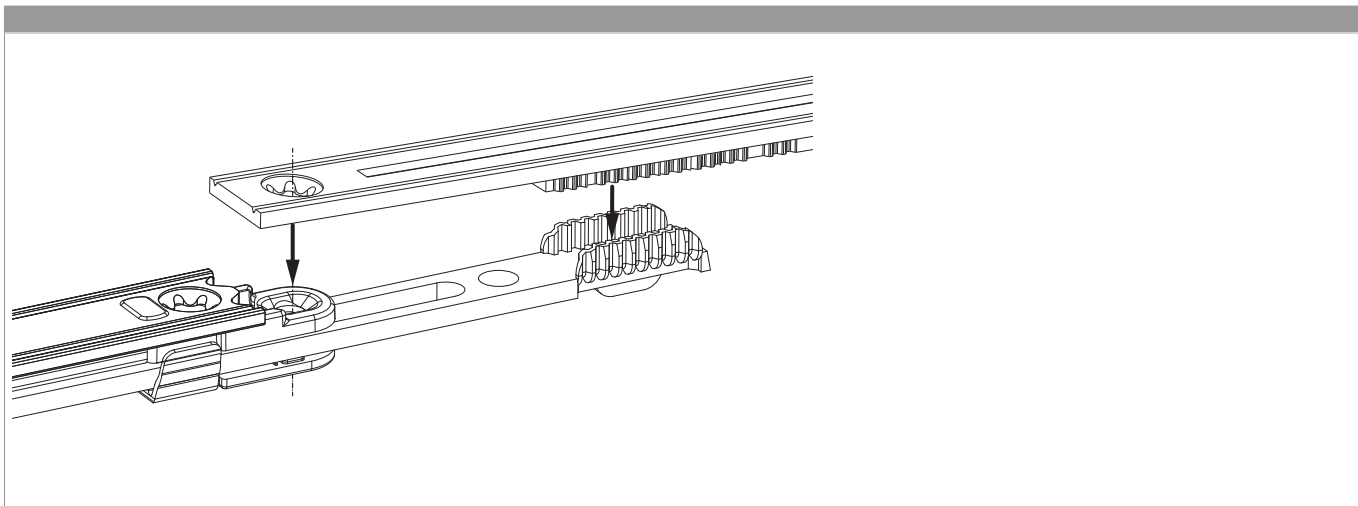
③





205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver

Serrated carrier connection



[illegible]



**205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver**

Application ranges

- **Door drive gears with special backset** for timber doors with handles and double profile cylinder can be installed on both inside and outside. **CAUTION:** On timber doors with door drive gears handles and single profile cylinders can only be installed on the inside.
- All commercially available profile cylinders DM 25 can be used for the drive gear.

Installation on sash

1. Mark the holes for finger pulls and drive gears and cylinders in accordance with the drawing or use MACO drilling jig for lockable door drive gears.
2. Mill the routing for the drive gear and main lock casing (Ø 12 mm, milling depth acc. to table dimensions X and Y).
3. Cut the drive gear to length and install in the same way as for standard door drive gears.

Installation on frame

The positions of the normal locking cams correspond to those of the standard door drive gear. Stop for strikers with conventional MULTI jigs.

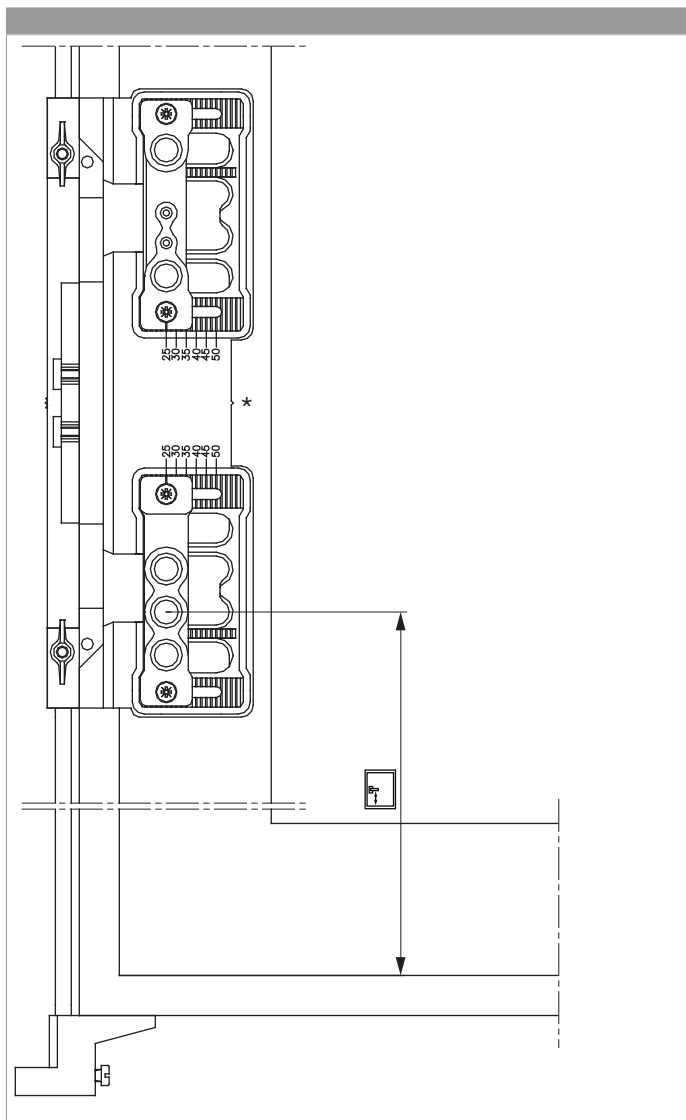
Use drilling jig, order no. 214634

1. Attach the drilling jig set for right or left.
2. Stop at the bottom edge of the sash (acc. to drawing).
3. Clamp the jig (wing nuts).

Drill Ø 12 mm for finger-pull and/or rosette penetrations; drill Ø 3 mm for marking the cylinder holes (post-drill with Ø 20 mm). The jig can be used up to a door thickness of 110 mm.



**205633 - tilt&turn drive gear MM 2200 BS45 fixed handle
height lockable for PC with 3 i.S. SRH 1.951-2.200
GM1.050 silver**

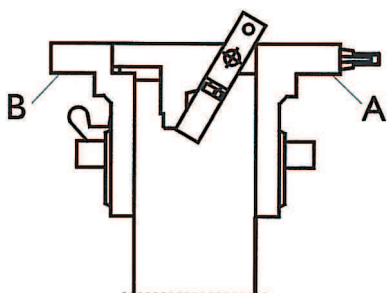


Use as routing jig

The jig can be used to route the drive gear and main lock casing (milling Ø 16 mm - observe the milling depth, guide ring 27 mm).

Routing for drive gear and main lock casing

1. Prior to milling, transfer the notches to the sash.
2. Push the drilling jig down (or up) until the centre notch is aligned with the transferred mark.



Jigs are delivered set for use on the right (see Fig.). For left-hand doors, the components (A and B) must be exchanged.

Gasket compression adjustment

i.S. locking cams and standard locking cams

