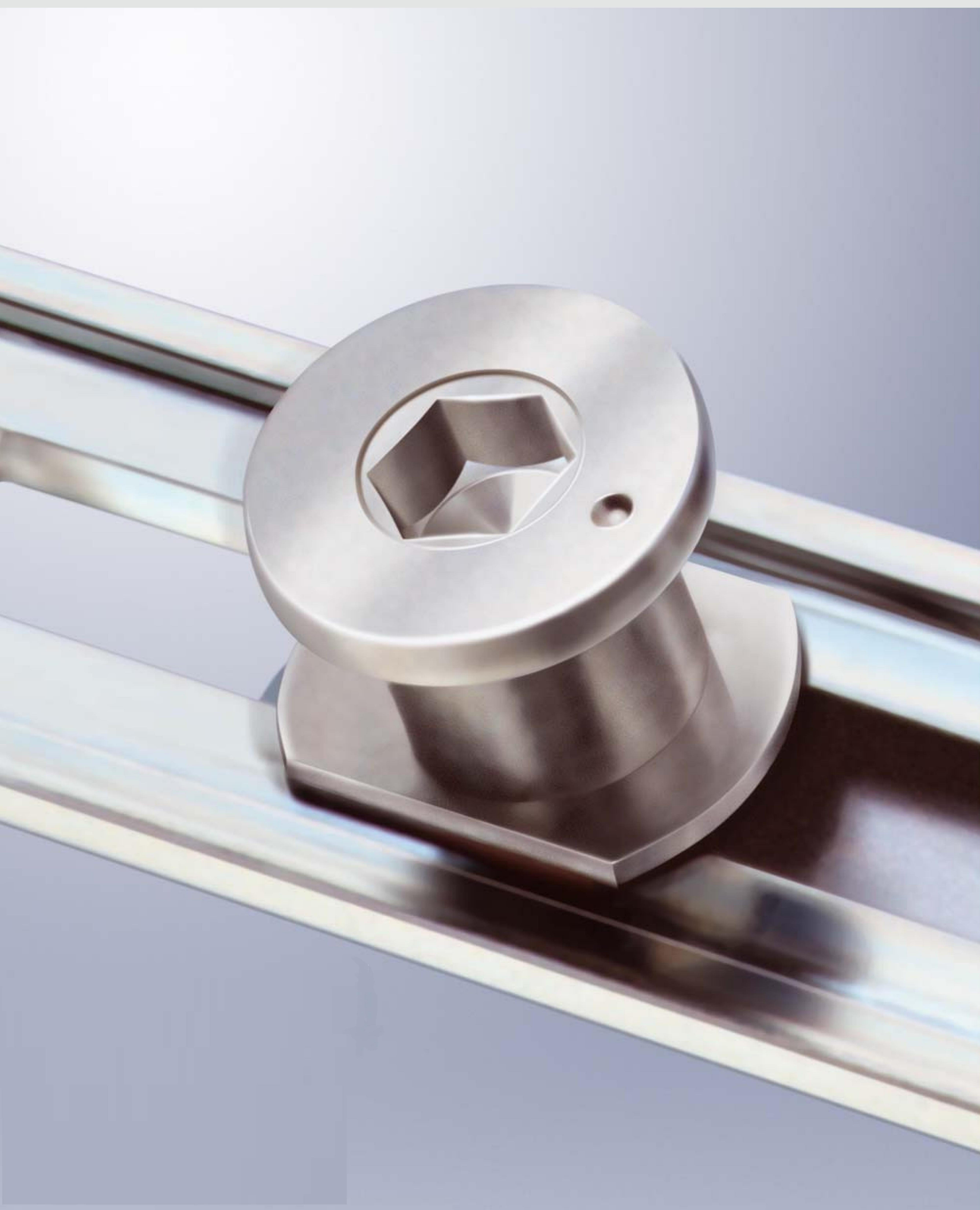


WE OPEN SPACE



ROTO NT



Tilt & turn hardware

The general design description lists characteristics of the Roto NT, K hinge, tilt and turn window hardware:

- Designed for use on all timber, PVC-U and aluminium windows with a standard eurogroove.
- Faceplate width 16mm.
- All cams are adjustable by +/-0.8mm, meaning adjustments can be made on site.
- 3 locking cam versions. NT components listed here feature 3 different locking cam options that differ in application and adjusting capabilities. Detailed adjusting information can be found on page 25.



Locking cam E
Compression adjustable



Locking cam P
Compression adjustable security cam



Locking cam V
Height and compression
adjustable security cam

- Precision design ensures smooth performance in all applications.

Coating specification

RotoSil surface protection procedure has been developed by Roto for the hardware product range, based upon galvanising, chromating and an additional sealing. **RotoSil** enables the hardware components to appear in a smooth silver tone. The quality requirements of RAL-RG 607/3 are exceeded, also the protection effect against acids has been decisively improved. The surface protection regulations of the RAL quality assurance association in Velbert, Germany, are more than fulfilled.

Surface protection with **RotoSil** exceed the requirements of the following standards:

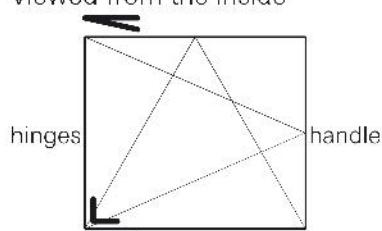
RAL 607/3 (72 hours protection from white rust and 240 hours protection against red rust. Inclusive of cycle testing to 60,000 cycles).

BS 6375 pt. 2 "Performance of Windows."

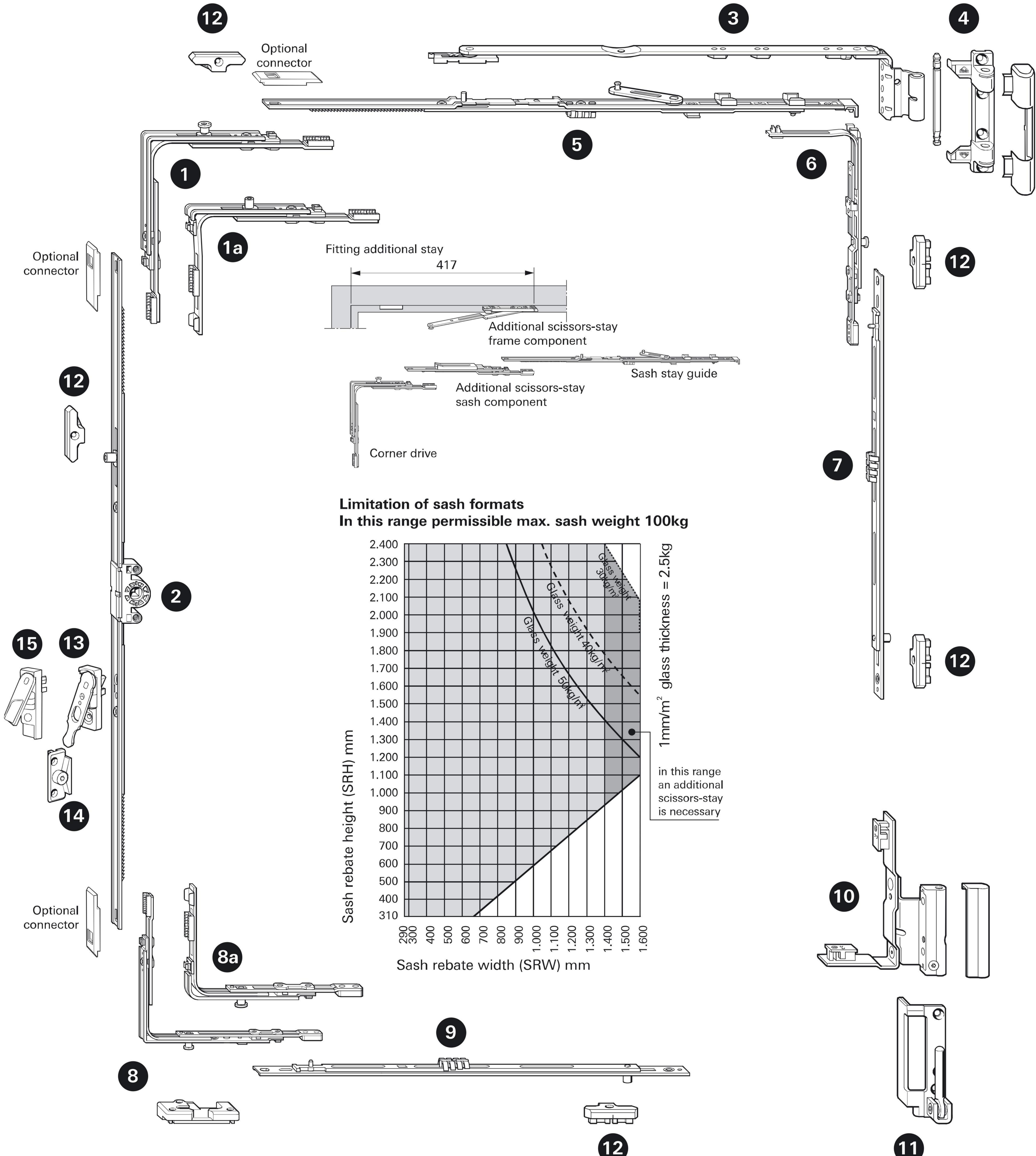
BS EN 1670:2007 part 5.6, grade 5
(480 hours building hardware corrosion resistance).



Viewed from the inside



Roto NT



Application range

Sash rebate width, min. - max.	290 - 1600mm
Sash rebate height, min. - max.	310 - 2400mm
Sash weight, max.	100kg

Optional connector

350 401

Standard parts list



Corner drives

Item number	SRH	Part Number
1	1 P	451 - 2400
1a	1 E	310 - 450

2. Espagnolette

SRH	Length (mm)	Part Number
310 - 450 ⁽¹⁾	430	259 717*
451 - 620	400	259 718*
621 - 800 1 E	580	259 719
801 - 1200 1 E	980	259 720
1201 - 1600 2 E	1380	259 721
1601 - 2000 2 E	1780	259 762
2001 - 2400 4 E	2180	259 763

3. Stay arm

SRW	Length (mm)	Part Number
13mm axis		
290 - 410	150	L 260 232 R 260 233
411 - 600	250	L 260 234 R 260 235
601 - 800	350	L 260 236 R 260 237
801 - 1400	500	L 260 238 R 260 239
White covers for above		230 252
Brown covers for above		230 247

4. Roto 'A' stay bearing & pin for stay arm

Description	Part Number
Max. sash weight 100 kg	245 714
Pin	227 354
White covers for above	230 330
Brown covers for above	230 325

5. Stay guide

SRW	Length (mm)	Part Number
290 - 410	300	260 201*
411 - 600	490	256 024
601 - 800	690	260 204
801 - 1000 1 E	890	260 208
1001 - 1200 1 E	1090	260 212
1201 - 1400 1 E	1290	260 215

6. Centre lock stay guide connector 1 P 260 286

7. Standard centre lock (vertical)

SRH	Size	Part Number
801 - 1200 1 E	400	255 280
1201 - 1400 1 E	600	255 281
1401 - 1800 1 E	600 connectable	255 282
1801 - 2000 1 E	400	255 280
2001 - 2400 2 E	600 connectable	255 282 x 2
2001 - 2400 1 E	400	255 280

9. Standard centre lock (horizontal)

SRW	Size	Part Number
801 - 1200 1 E	400	255 280
1201 - 1400 1 E	600	255 281
1401 - 1600 1 E	600 connectable	255 282
1401 - 1600 1 E	400	255 280

10. Roto 'A' corner hinge

Max. sash weight	Part Number
For 9mm axis - 100 kg	L 250 577 R 250 578
For 13mm axis - 100kg	L 447 357 R 447 358
White covers for above	L 309 951 R 309 952
Brown covers for above	L 309 949 R 309 950

11. Roto 'A' Pivot rest

Max. sash weight	Part Number
100 kg	L 262 004 R 262 005
White covers for above	L 264 344 R 264 345
Brown covers for above	L 264 346 R 264 347

12. Compression striker

13. Sash lifting device

14. Striker for sash lifting device

15. Mis-operation device

Locking cam **E** Compression adjustable cam

Locking cam **P** Compression adjustable, security cam