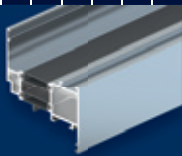




WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



WINDOW TECHNOLOGY – ORDER CATALOGUE



The ALU-JET 10 Tilt&Turn hardware range

Edition 01/2019

For aluminium windows and balcony-doors with hardware groove 15/20

- Central locking systems
- Surface-mounted hinge-sides
- Concealed hinge-sides
- Frame components
- Turn handles
- Accessories

Securing technology for you



The Gretsch-Unitas group

Opening, moving, closing, securing – true to its motto "Securing technology for you", Gretsch-Unitas group provides groundbreaking solutions for window and door technology, automatic entrance systems and building management systems. With its system brands, the group delivers solutions for burglar inhibition at doors and windows, barrier-free construction, doors in escape and rescue routes through to bespoke facade solutions for projects.



Gretsch-Unitas GmbH Baubeschläge



The group of companies is headquartered at GU in Ditzingen where development, administration and production of state-of-the-art architectural hardware for window and door technology takes place. It is equipped with various flexible assembly areas, a state-of-the-art punching shop, and a galvanising and anodising plant.

BKS GmbH



BKS manufactures mechanical and electronic locking cylinders, locks and locking systems as well as panic locks for escape and rescue routes. Harmonised mechanical and electronic system solutions are available for access control.

FERCO International S.A.S.



Ferco is the biggest production site for window hardware in France. Ferco, a subsidiary of the Gretsch-Unitas group of companies, also provides customer care and distribution of all group products throughout France.



GU Automatic



GU Automatic offers innovative, secure and reliable solutions for automatic entrance systems and door automation, revolving doors, all-glass sliding walls, security curved sliding doors and controlled physical access.

ela-soft



By developing GEMOS, the successful facility management and organisation system, ela-soft has become an established market and technology leader in the building services sector.

Design freedom thanks to the modular ALU-JET 10 hardware

ALU-JET features state-of-the-art technology which means it can meet the high expectations for windows and moving facade elements in commercial construction projects. The ALU-JET 10 central locking system is the modular basis for all special designs such as Parallel-Projecting, Horizontal-Pivot or Vertical-Pivot windows, as well as Turn-Slide and Projecting Top-Hung windows. Safety through tested quality: The ALU-JET is tested according to EN 13126-8 and certified by ift according to QM 328.





ALU-JET 10 central locking system

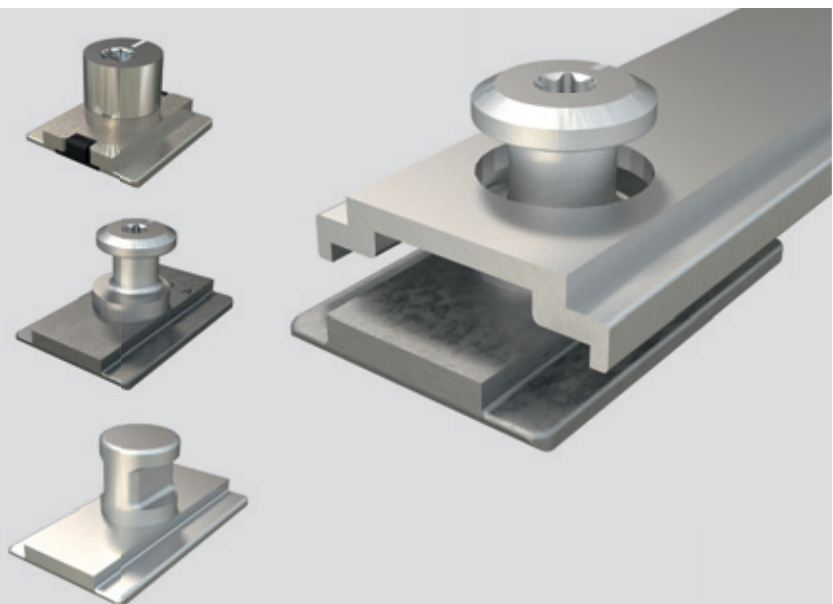


Product characteristics

- Universally applicable for all opening types
- Uniform Ø 10 mm connecting-rod holes for the coupling points and locking cams/handle connectors
- Burglar inhibition freely configurable: Further locking points can be added at any position of the connecting rod
- Leaf weights up to 300 kg possible
- Efficient installation:
 - toolless mounting of corner drives
 - only one continuous connecting rod per sash side
 - fixed connecting rod length on hinge side and bottom sash side (prefabrication possible)
- Non-handed mishandling device integrated in the corner-drive

Security with a system

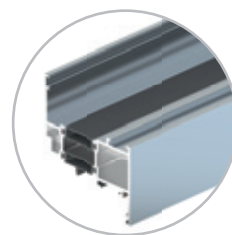
Anti-jemmy locking cams insertable from underneath, suitable for all resistance classes from basic security to RC3 according to EN 1627



Product overview

Designation	Clearance [mm]	Frame grooves [mm]	Tested hardware load-bearing capacity [kg]	Sash width [mm]	Sash height [mm]
ALU-JET 10 central locking system with ALU-JET 610 surface-mounted hinge-side	11.5	10/14 12/15 14/18	80 [1] 130 [2]	410–1700	500–2400 [1] 500–2800 [2]
ALU-JET 10 central locking system with ALU-JET CC610 concealed hinge-side	11.5	10/14 12/15 (on request) 14/18	150	500–1600	500–2800
ALU-JET 10 central locking system with ALU-JET S800 surface-mounted hinge-side	11.5	10/14 12/15 14/18	300	max. 1700 [3] max. 2800 [4]	max. 2800 [3] max. 1700 [4]

[1] without additional parts | [2] with additional parts on stay-hinge | [3] Turn-Only sash | [4] Tilt-Only sash
For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information! For more information: www.g-u.com

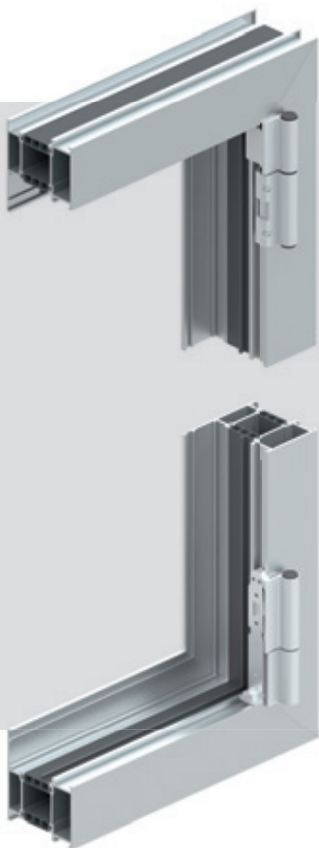


ALU-JET 610 surface-mounted hinge-side



Product characteristics

- Universally applicable for Tilt&Turn, Tilt-First, Turn-Only and Tilt-Only sashes
- Efficient mounting through modularly preassembled modules
- Extensive range of surface finishes
- All components are non-handed
- Secure connection of stay-arm and stay-hinge (no loosening of screws)
- Comfortable 3D adjustment
- Maintenance-free stay-hinges and corner-hinges
- For profile systems with hinge-passage from 3 mm



Consistent look

Stay-hinge and corner-hinge are flush-fitting with the sash overlap

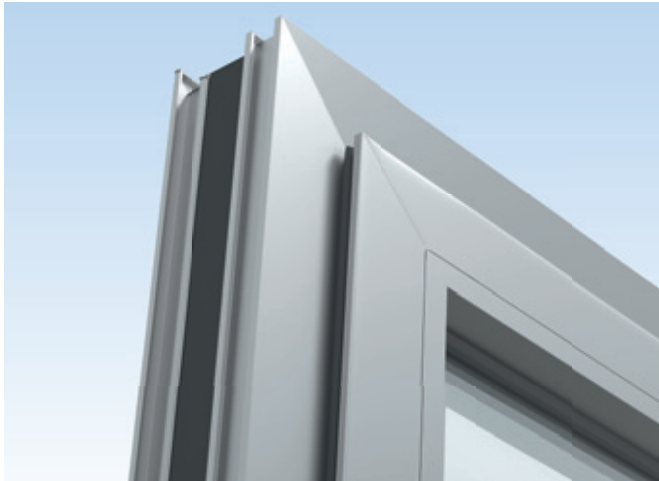
Product overview

Designation	Clearance [mm]	Frame grooves [mm]	Tested hardware load-bearing capacity [kg]	Sash width [mm]	Sash height [mm]
ALU-JET 610 surface-mounted hinge-side	11.5	10/14 12/15 14/18	80 [1] 130 [2]	410–1700	500–2400 [1] 500–2800 [2]

[1] without additional parts | [2] with additional parts on stay-hinge
For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information! For more information: www.g-u.com

ALU-JET CC610 concealed hinge side

Architectural freedom for trendsetting design

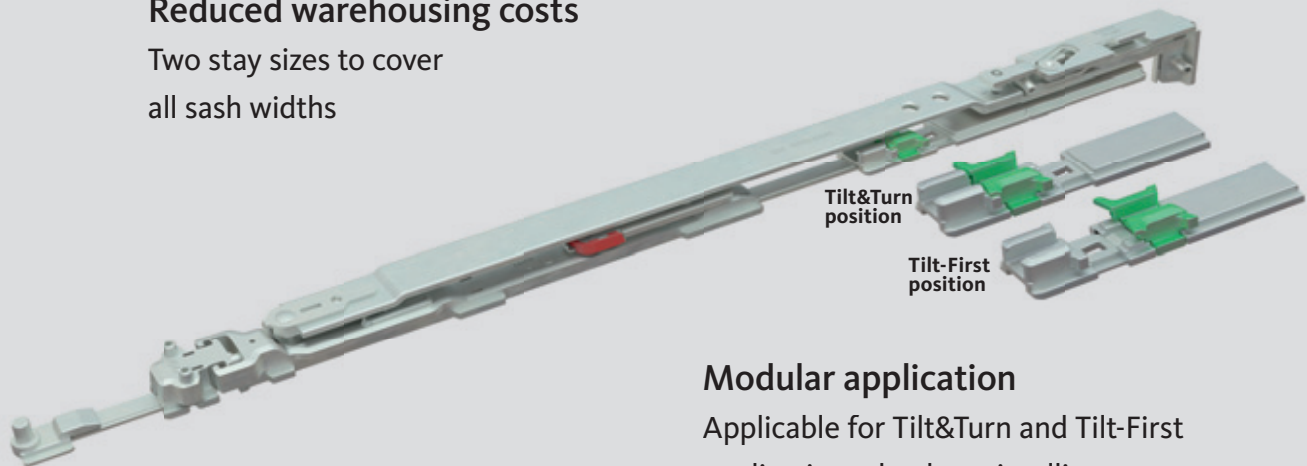


Product characteristics

- Universally applicable for Tilt&Turn, Tilt-First, Turn-Only and Tilt-Only sashes
- Meets RC3 security requirements
- Sash weights up to 150 kg possible without additional components
- For hinge-side locking on Turn-Only sashes, the central locking system can be guided through the Turn-Only stay-guide

Reduced warehousing costs

Two stay sizes to cover all sash widths



Modular application

Applicable for Tilt&Turn and Tilt-First applications thanks to intelligent clamping technology

Product overview

Designation	Clearance [mm]	Frame grooves [mm]	Tested hardware load-bearing capacity [kg]	Sash width [mm]	Sash height [mm]
ALU-JET CC610 concealed hinge side	11.5	10/14 12/15 (on request) 14/18	150	500–1600	500–2800

For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information! For more information: www.g-u.com

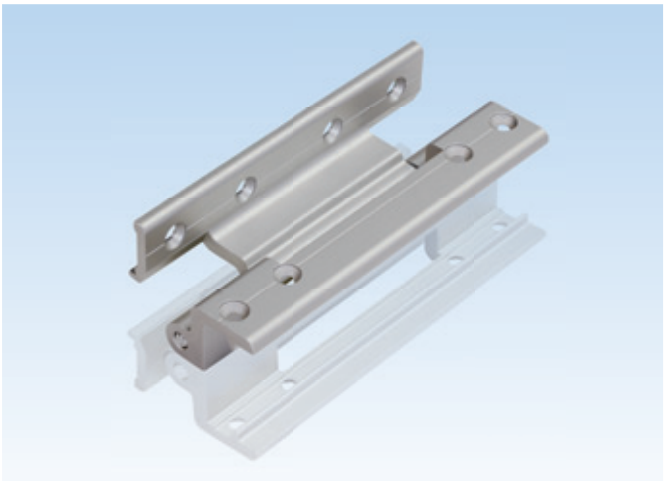
ALU-JET S800

The project solution for heavy facade elements up to 300 kg



Product characteristics

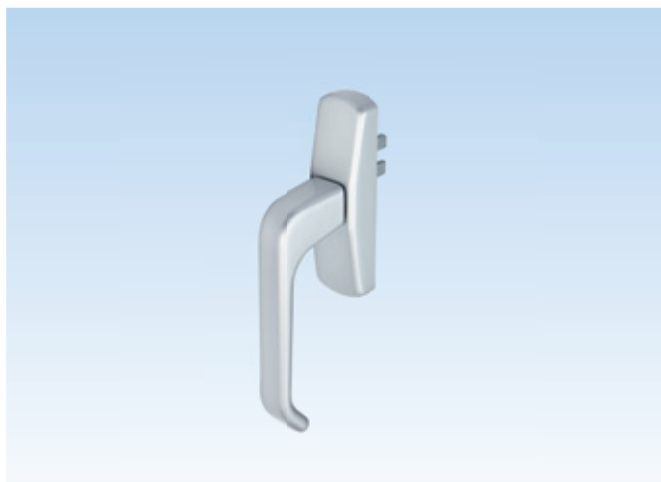
- Applicable for Turn-Only and Tilt-Only sashes
- Opening angle 180°
- For profile systems with hinge-passage from 7 mm
- Extensive range of surface finishes
- Maintenance-free, high-performance polymer bearings



Product overview

Designation	Clearance [mm]	Frame grooves [mm]	Tested hardware load-bearing capacity [kg]	Sash width [mm]	Sash height [mm]
ALU-JET S800 Turn-Only hinge/Tilt-Only hinge	11.5	10/14 12/15 14/18	300	max. 1700 [1] max. 2800 [2]	max. 2800 [1] max. 1700 [2]

[1] Turn-Only sash | [2] Tilt-Only sash
For all stated weights and dimensions, please refer to our application diagrams and the manufacturer's profile information! For more information: www.g-u.com



SPACIO geared turn handle



BELCANTO turn handle with insertable gear



Rosette-free turn handle with insertable gear

Geared handles

- Available in fork lengths of 22 mm and 33 mm
- With one carrier fork for all standard applications
- With two carrier forks for spreading function on Turn-Only sashes with 90° handle actuation angle
- Optionally with removable service handles
- Optionally tested in accordance with EN 1627

Turn handles in combination with insertable gear

- Extensive range of designs and surface finishes
- Optional versions:
 - lockable, for Tilt-First function
 - lockable with key or push-button
 - removable service handles
 - tested in accordance with EN 13126-3
 - tested in accordance with EN 1627
- Insertable gear:
 - optionally with mishandling device
 - optionally with anti-drill plate and connecting rod fixing for increased burglar resistance up to RC3 according to EN 1627

Rosette-free turn handles with insertable gear

- Turn handles without visible substructure for high design demands in projects
- Optional versions:
 - lockable, for Tilt-First function
 - lockable with key
- Installation without milling work on the aluminium profile
- Insertable gear:
 - with mishandling device



ArchitectenConsort (Peter Couwenbergh, Edgar Bosman); Photographer: Edgar Bosman, NL - Rotterdam



Parallel-Projecting hardware

The special solution for sash weights up to 400 kg, opening widths up to 250 mm and sash heights up to 5000 mm. Parallel-Projecting windows can be created with a comprehensive range of GU stays for all frame materials, such as timber, PVC, aluminium and timber/aluminium.

Turn-Only window hardware

Today's facades, with their floor-to-ceiling windows, are a challenge for standard hardware. Gretsche-Unitas meets these requirements with specially developed hinges for Turn-Only sashes. They are concealed in the rebate and can bear sash weights of up to 350 kg.

Projecting Top-Hung hardware

This hardware range offers a number of different projecting stays with opening angles from 20° to 50°. Sashes can be made to a height of 2500 mm. Projecting Top-Hung windows can be made with GU stays for all frame materials, such as timber, PVC, aluminium and timber/aluminium.

Special constructions

Our specialists have developed innovative opening mechanisms to meet individual customer requirements regarding ventilation elements in building envelopes. We draw on our many years of experience and creative ideas to produce solutions tailored to each project.

Possible constructions / solutions with Parallel-Projecting windows

Designation Parallel-Projecting friction stay	Max. sash weight* [kg]	Sash height [mm]	Sash width [mm]	Opening width [mm]	
				manual	motor-driven
PAS350	100	350– 750	350–2000	150	180
PAS450	100	450–1000	450–2000	180	250
PAS670	200	670–1500	670–2000	150	180
PAS930	200	930–2000	930–2000	180	250
PAS1135	200	1400–2100	1400–2000	180	250

*Higher weights are possible if required

Possible constructions / solutions with Turn-Only windows

Designation	Max. sash weight [kg]	Sash height [mm]	Sash width [mm]	Opening width [°]
Concealed Turn-Only hinge	350	425–3500	350–1600	95
Stainless steel Turn-Only hinge	200	430–2800	450–1400	180

Possible constructions / solutions with Projecting Top-Hung windows

Designation Projecting Top-Hung friction stay	Max. sash weight [kg]	Sash height [mm]	Sash width [mm]	Opening width [°]
SKS40	40	276– 640	450–2500	50
SKS50	50	640– 800	450–2500	50
SKS65	65	800–1100	450–2500	50
SKS65H	100	600–1100	450–2500	30
SKS100	100	1100–1500	520–2500	45
SKS100H	100	1500–2000	520–2500	20
SKS180	180	2000–2500	520–2500	20





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RC2 Overviews of hardware sets

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RC3 Overviews of hardware sets

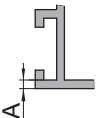
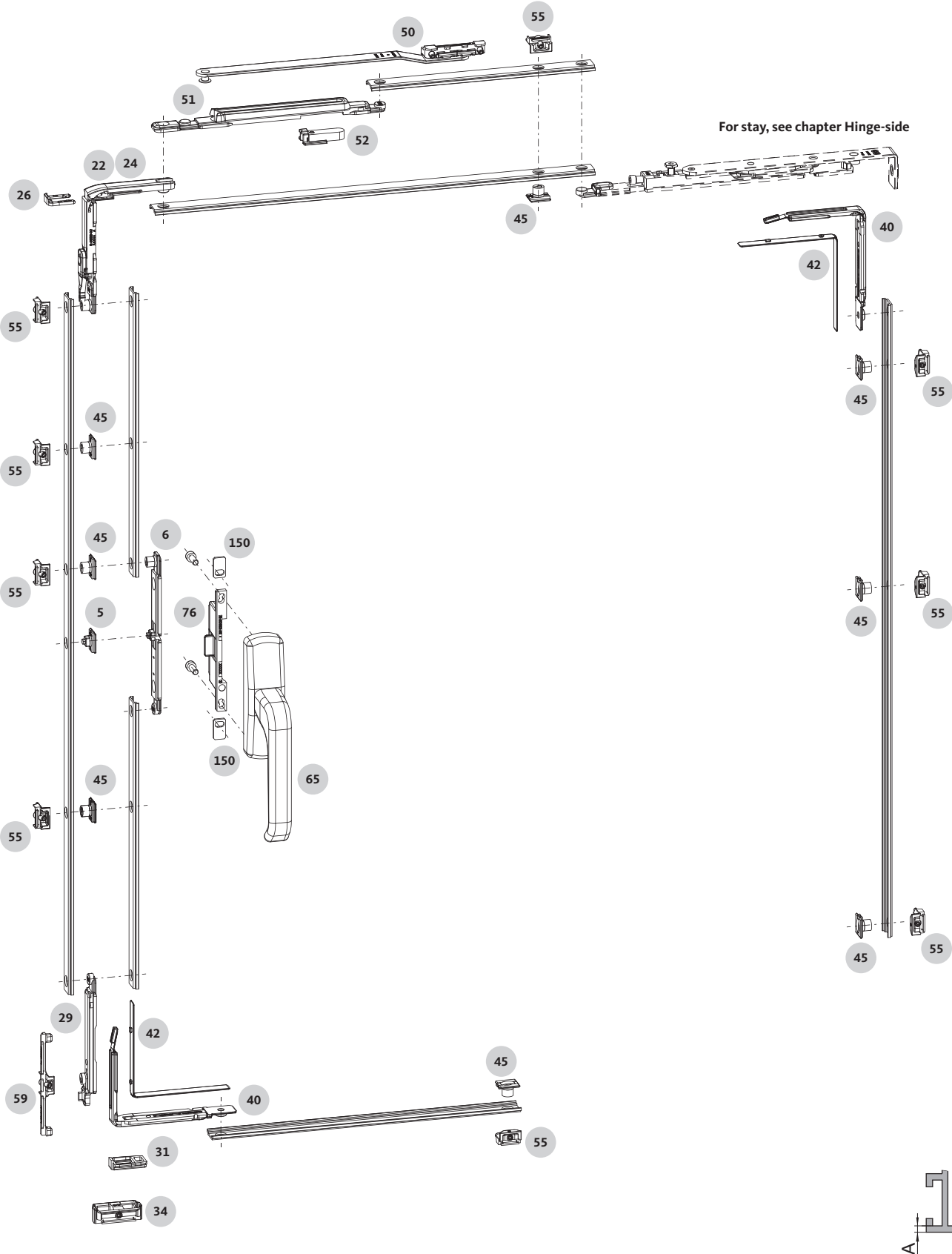
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Standard hardware set overviews

Tilt&Turn window with geared turn handle



Standard hardware set overviews

Tilt&Turn window with geared turn handle



Item	Description	Piece(s)									PU	Qty. in K-set	Article number
		SW 410–1200			SW 1201–1350			SW 1351–1700					
		SH 500–1200	SH 1201–2200	SH 2201–2800	SH 860–1200	SH 1201–2200	SH 2201–2800	SH 960–1200	SH 1201–2200	SH 2201–2800			

	T&T set, central locking system	1	1	1	1	1	1	1	1	1	10	–	K-19054-00-0-1
5	Handle connector-pin	1	1	1	1	1	1	1	1	1	–	1	6-37090-00-0-1
22	Corner-drive with M.D.	1	1	1	1	1	1	1	1	1	–	1	6-37120-00-0-1
26	Clamping bracket	1	1	1	1	1	1	1	1	1	–	1	9-48157-00-0-1
29	T&T tilter	1	1	1	1	1	1	1	1	1	–	1	6-37258-00-0-1
31	Run-up block, sash	1	1	1	–	–	–	–	–	–	–	1	9-40404-00-0-1
34	T&T fanlight hinge	1	1	1	1	1	1	1	1	1	–	1	6-37441-00-0-1

40	Corner drive CL		–	1	1	1	2	2	1	2	2	50	–	6-37266-00-0-1
42	Packer for corner-drive LC *		–	1	1	1	2	2	1	2	2	100	–	9-48466-00-0-1
45	Locking cam	with hinge-side 610	–	2	4	2	4	6	2	4	6	100	–	6-37111-00-0-8
		with hinge-side CC610	–	3	5	2	5	7	2	5	7	100	–	
		with hinge-side 610, connector item 6	–	1	4	2	3	6	2	3	6	100	–	
		with hinge-side CC610, connector item 6	–	2	5	2	4	7	2	4	7	100	–	

	Set of additional stays	–	–	–	–	–	–	1	1	1	10	–	K-19013-00-0-1
50	Stay-arm, additional stay	–	–	–	–	–	–	1	1	1	–	1	6-37840-00-0-1
51	Stay-guide, additional stay	–	–	–	–	–	–	1	1	1	–	1	6-37841-00-0-1
52	Opening restrictor	only with hinge-side 610	–	–	–	–	–	1	1	1	–	1	6-38803-00-0-1

55	Striker	with hinge-side 610, for A=2.0	1	3	5	3	5	7	3	5	7	100	–	6-37261-01-0-1
		with hinge-side 610, for A=1.5	1	3	5	3	5	7	3	5	7	100	–	6-37261-02-0-1
		with hinge-side CC610, for A=2.0	1	4	6	3	6	8	3	6	8	100	–	6-37261-01-0-1
		with hinge-side CC610, for A=1.5	1	4	6	3	6	8	3	6	8	100	–	6-37261-02-0-1
59	T&T striker	for A=2.0	1	1	1	1	1	1	1	1	1	100	–	6-37272-01-0-1
		für A=1.5	1	1	1	1	1	1	1	1	1	100	–	6-37272-02-0-1
65	SPACIO geared handle	HP 96/104	1	1	1	1	1	1	1	1	1	10	–	G-46551-96-0-1
		HP 84/98	1	1	1	1	1	1	1	1	1	10	–	G-46551-00-0-1

As an alternative to item 22 and 26

76	Mishandling device	HP 96/104	1	1	1	1	1	1	1	1	10	–	6-31065-40-0-1
		HP 84/98	1	1	1	1	1	1	1	1	10	–	6-31065-10-0-1
	Corner-drive without M.D.		1	1	1	1	1	1	1	1	50	–	K-19774-00-0-1
24	Corner-drive without M.D.		1	1	1	1	1	1	1	1	–	1	6-37264-00-0-1
26	Clamping bracket		1	1	1	1	1	1	1	1	–	1	9-48157-00-0-1

As an alternative to item 5

6	Connector for divided connecting rod		1	1	1	1	1	1	1	1	1	50	–	6-37257-00-0-1
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Accessories

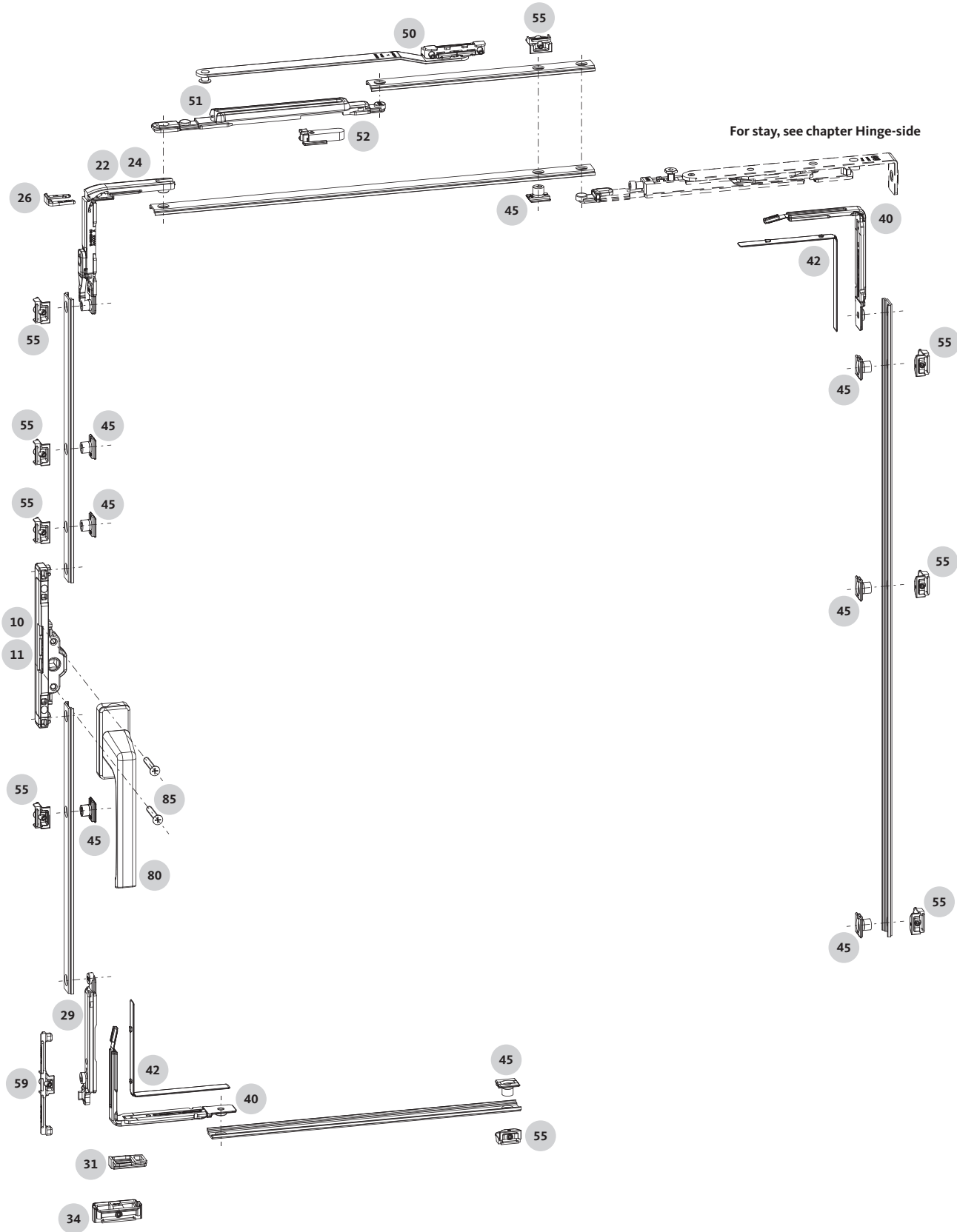
150	Packer plate for geared handle	for reinforcement of sash overlap	2	2	2	2	2	2	2	2	2	100	–	9-50091-00-0-8
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* only with deep groove with groove width 13.6–15 and groove depth 5.5–7

For additional versions and finishes, see page 58 onwards

Standard hardware set overviews

Tilt&Turn window with insertable gear



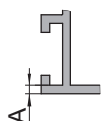
Standard hardware set overviews

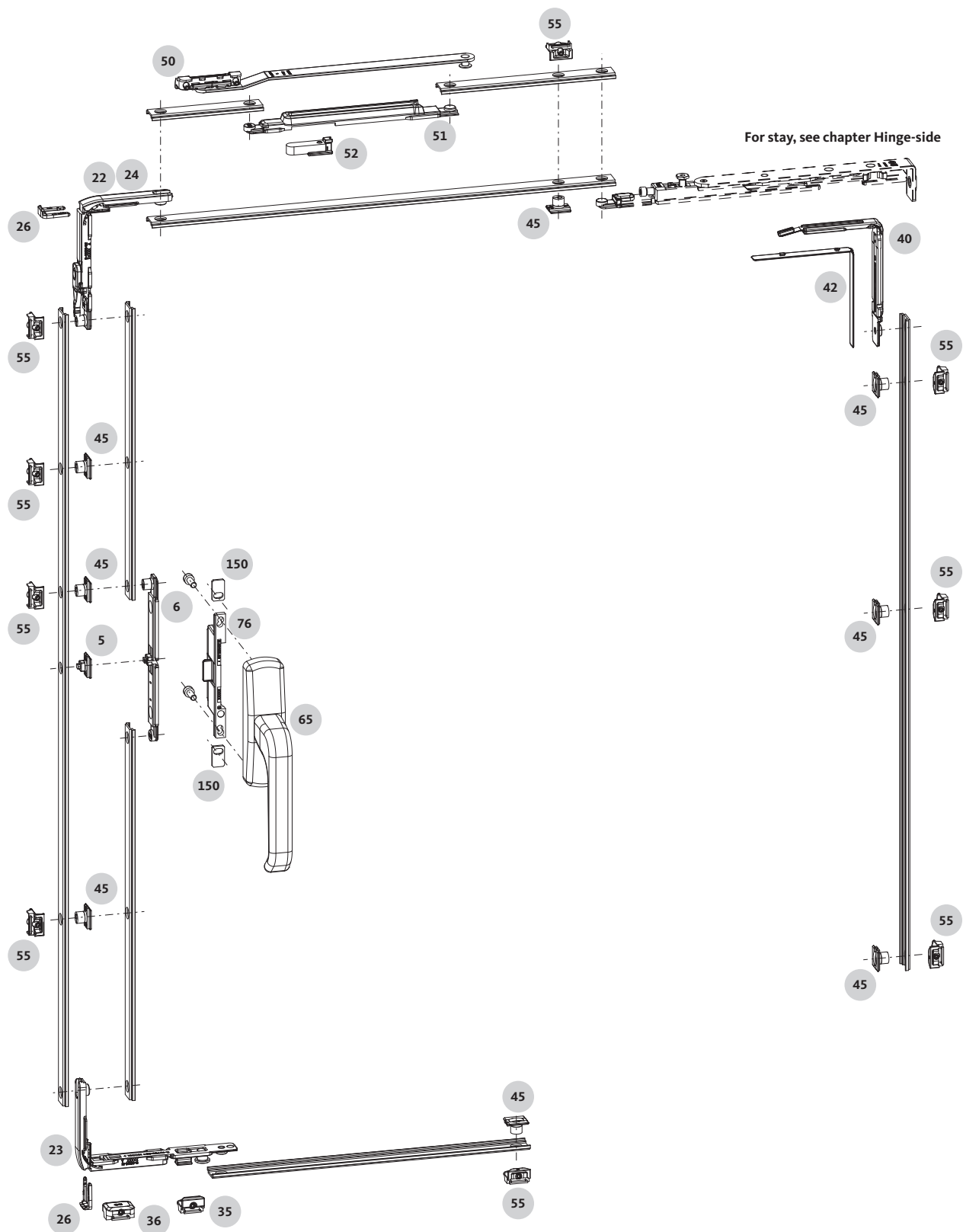
Tilt&Turn window with insertable gear



Item	Description	Piece(s)									PU	Qty. in K-set	Article number	
		SW 410-1200			SW 1201-1350			SW 1351-1700						
		SH 500-1200	SH 1201-2200	SH 2201-2800	SH 860-1200	SH 1201-2200	SH 2201-2800	SH 960-1200	SH 1201-2200	SH 2201-2800				
10	Insertable gear w/o M.D.	1	1	1	1	1	1	1	1	1	10	-	6-39385-00-0-1	
	T&T set, central locking system	1	1	1	1	1	1	1	1	1	10	-	K-19054-00-0-1	
-	Handle connector-pin	-	-	-	-	-	-	-	-	-	-	1	6-37090-00-0-1	
22	Corner-drive with M.D.	1	1	1	1	1	1	1	1	1	-	1	6-37120-00-0-1	
26	Clamping bracket	1	1	1	1	1	1	1	1	1	-	1	9-48157-00-0-1	
29	T&T tilter	1	1	1	1	1	1	1	1	1	-	1	6-37258-00-0-1	
31	Run-up block, sash	1	1	1	-	-	-	-	-	-	-	1	9-40404-00-0-1	
34	T&T fanlight hinge	1	1	1	1	1	1	1	1	1	-	1	6-37441-00-0-1	
40	Corner drive CL	-	1	1	1	2	2	1	2	2	50	-	6-37266-00-0-1	
42	Packer for corner-drive LC *	-	1	1	1	2	2	1	2	2	100	-	9-48466-00-0-1	
45	Locking cam	with hinge-side 610	-	2	4	2	4	6	2	4	6	100	-	6-37111-00-0-8
		with hinge-side CC610	-	3	5	2	5	7	2	5	7	100	-	
	Set of additional stays	-	-	-	-	-	-	1	1	1	10	-	K-19013-00-0-1	
50	Stay-arm, additional stay	-	-	-	-	-	-	1	1	1	-	1	6-37840-00-0-1	
51	Stay-guide, additional stay	-	-	-	-	-	-	1	1	1	-	1	6-37841-00-0-1	
52	Opening restrictor	only with hinge-side 610	-	-	-	-	-	1	1	1	-	1	6-38803-00-0-1	
55	Striker	with hinge-side 610, for A=2.0	1	3	5	3	5	7	3	5	7	100	-	6-37261-01-0-1
		with hinge-side 610, for A=1.5	1	3	5	3	5	7	3	5	7	100	-	6-37261-02-0-1
		with hinge-side CC610, for A=2.0	1	4	6	3	6	8	3	6	8	100	-	6-37261-01-0-1
		with hinge-side CC610, for A=1.5	1	4	6	3	6	8	3	6	8	100	-	6-37261-02-0-1
59	T&T striker	for A=2.0	1	1	1	1	1	1	1	1	1	100	-	6-37272-01-0-1
		für A=1.5	1	1	1	1	1	1	1	1	1	100	-	6-37272-02-0-1
80	DIRIGENT-F turn handle	1	1	1	1	1	1	1	1	1	10	-	6-28072-25-0-11	
85	Countersunk screw M5x30	2	2	2	2	2	2	2	2	2	100	-	9-13255-30-0-1	
Alternative to item 10, 22 and 26														
11	Insertable gear with M.D.	1	1	1	1	1	1	1	1	1	10	-	6-39384-00-0-1	
	Corner-drive without M.D.	1	1	1	1	1	1	1	1	1	50	-	K-19774-00-0-1	
24	Corner-drive without M.D.	1	1	1	1	1	1	1	1	1	-	1	6-37264-00-0-1	
26	Clamping bracket	1	1	1	1	1	1	1	1	1	-	1	9-48157-00-0-1	

* only with deep groove with groove width 13.6-15 and groove depth 5.5-7





Standard hardware set overviews

Tilt-First window with geared turn handle



Item	Description	Piece(s)									PU	Qty. in K-set	Article number
		SW 410-1200			SW 1201-1350			SW 1351-1700					
		SH 500-1200	SH 1201-2200	SH 2201-2800	SH 860-1200	SH 1201-2200	SH 2201-2800	SH 960-1200	SH 1201-2200	SH 2201-2800			

	TF set, central locking system	1	1	1	1	1	1	1	1	1	10	-	K-19084-00-0-1
5	Handle connector-pin	1	1	1	1	1	1	1	1	1	-	1	6-37090-00-0-1
22	Corner-drive with M.D.	1	1	1	1	1	1	1	1	1	-	1	6-37120-00-0-1
23	Tilt corner-drive TF	1	1	1	1	1	1	1	1	1	-	1	6-38687-00-0-1
26	Clamping bracket	2	2	2	2	2	2	2	2	2	-	2	9-48157-00-0-1
35	TF striker	1	1	1	1	1	1	1	1	1	-	1	6-38686-00-0-1
36	Run-up block tilt corner-drive TF	1	1	1	1	1	1	1	1	1	-	1	6-38696-00-0-1

40	Corner drive CL			–	1	1	–	1	1	–	1	1	50	–	6-37266-00-0-1
42	Packer for corner-drive LC *			–	1	1	–	1	1	–	1	1	100	–	9-48466-00-0-1
45	Locking cam	with hinge-side 610	–	2	4	2	4	6	2	4	6	100	–	6-37111-00-0-8	
		with hinge-side CC610	–	3	5	2	5	7	2	5	7	100	–		
		with hinge-side 610, connector item 6	–	1	4	2	3	6	2	3	6	100	–		
		with hinge-side CC610, connector item 6	–	2	5	2	4	7	2	4	7	100	–		

	Set of additional stays	-	-	-	-	-	-	1	1	1	10	-	K-19013-00-0-1
50	Stay-arm, additional stay	-	-	-	-	-	-	1	1	1	-	1	6-37840-00-0-1
51	Stay-guide, additional stay	-	-	-	-	-	-	1	1	1	-	1	6-37841-00-0-1
52	Opening restrictor	only with hinge-side 610	-	-	-	-	-	1	1	1	-	1	6-38803-00-0-1

55	Striker	with hinge-side 610, for A=2.0	1	3	5	3	5	7	3	5	7	100	-	6-37261-01-0-1
		with hinge-side 610, for A=1.5	1	3	5	3	5	7	3	5	7	100	-	6-37261-02-0-1
		with hinge-side CC610, for A=2.0	1	4	6	3	6	8	3	6	8	100	-	6-37261-01-0-1
		with hinge-side CC610, for A=1.5	1	4	6	3	6	8	3	6	8	100	-	6-37261-02-0-1
65	SPACIO geared handle	HP 96/104	1	1	1	1	1	1	1	1	1	10	-	G-46551-96-0-1
		HP 84/98	1	1	1	1	1	1	1	1	1	10	-	G-46551-00-0-1

Alternative to Item 22 and 1x Item 26

76	Mishandling device	HP 96/104	1	1	1	1	1	1	1	1	1	10	–	6-31065-40-0-1
		HP 84/98	1	1	1	1	1	1	1	1	1	10	–	6-31065-10-0-1
	Corner-drive without M.D.		1	1	1	1	1	1	1	1	1	50	–	K-19774-00-0-1
24	Corner-drive without M.D.		1	1	1	1	1	1	1	1	1	–	1	6-37264-00-0-1
26	Clamping bracket		1	1	1	1	1	1	1	1	1	–	1	9-48157-00-0-1

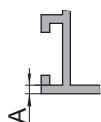
Alternative to item 5

6	Connector for divided connecting rod		1	1	1	1	1	1	1	1	1	50	-	6-37257-00-0-1
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Accessories

150	Packer plate for geared handle	for reinforcement of sash overlap	2	2	2	2	2	2	2	2	2	100	-	9-50091-00-0-8
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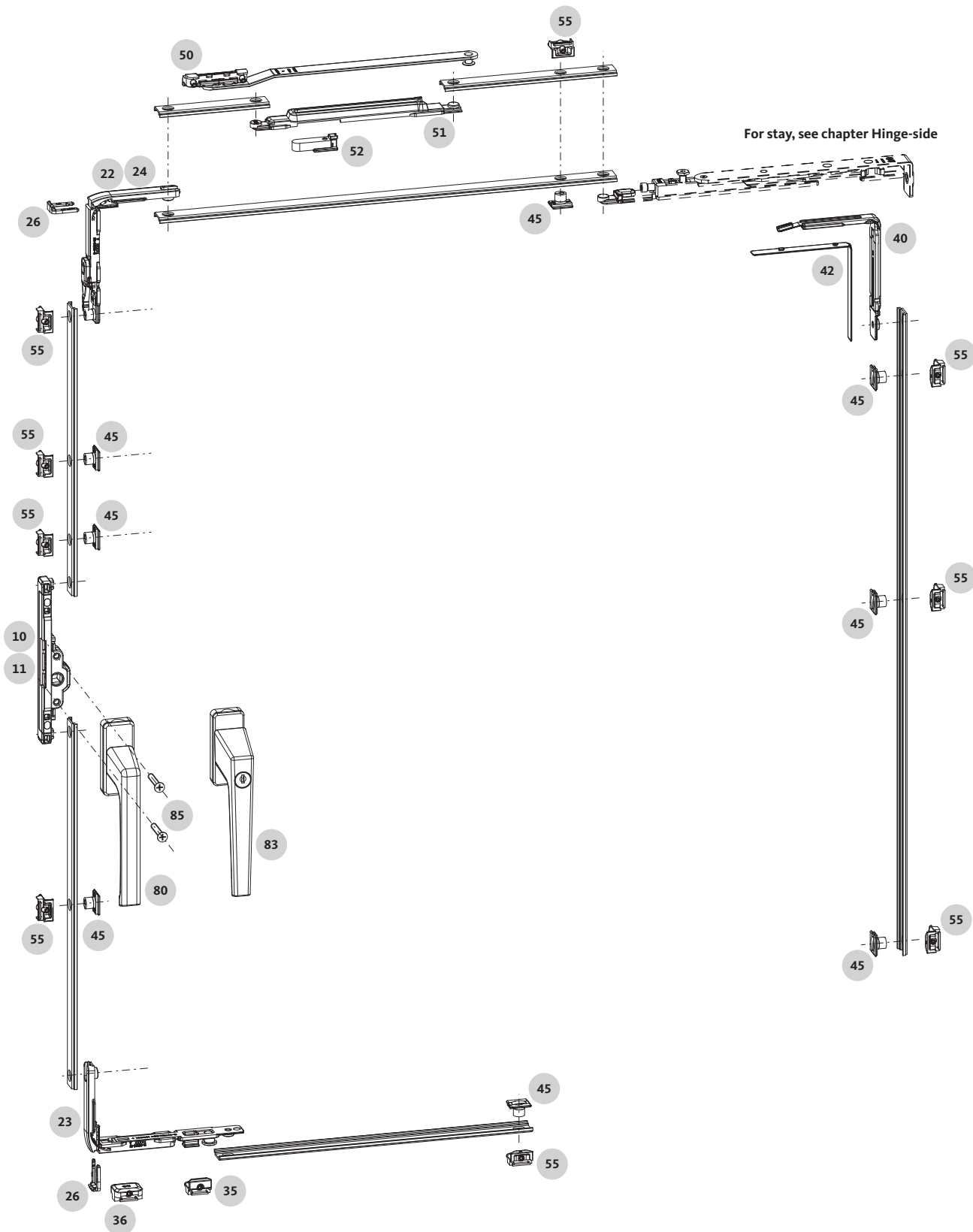
* only with deep groove with groove width 13.6-15 and groove depth 5.5-7



For additional versions and finishes, see page 58 onwards

Standard hardware set overviews

Tilt-First window with insertable gear



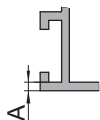
Standard hardware set overviews

Tilt-First window with insertable gear



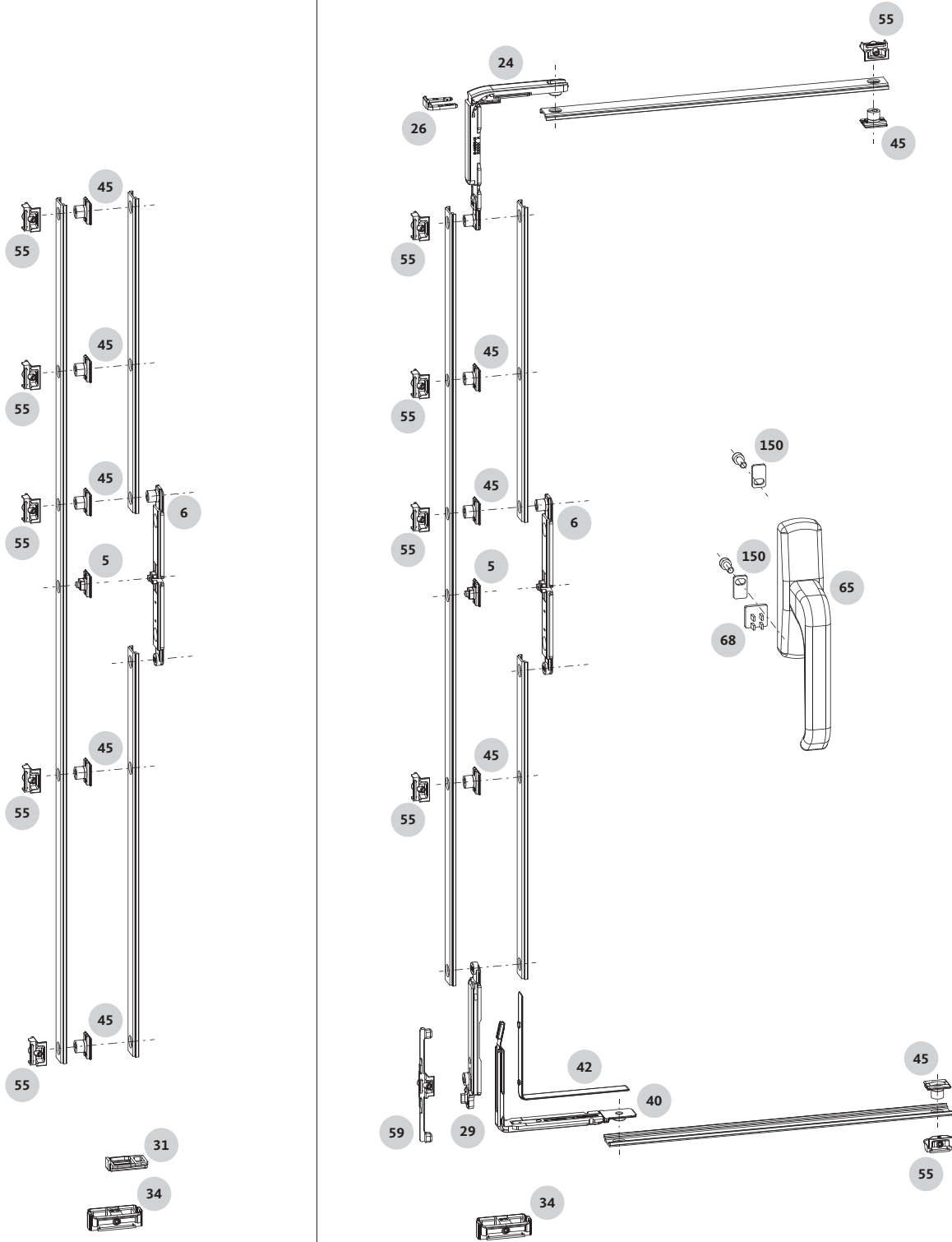
Item	Description	Piece(s)									PU	Qty. in K-set	Article number	
		SW 410–1200			SW 1201–1350			SW 1351–1700						
		SH 500–1200	SH 1201–2200	SH 2201–2800	SH 860–1200	SH 1201–2200	SH 2201–2800	SH 960–1200	SH 1201–2200	SH 2201–2800				
10	Insertable gear w/o M.D.	1	1	1	1	1	1	1	1	1	10	–	6-39385-00-0-1	
	TF set, central locking system	1	1	1	1	1	1	1	1	1	10	–	K-19084-00-0-1	
–	Handle connector-pin	–	–	–	–	–	–	–	–	–	–	1	6-37090-00-0-1	
22	Corner-drive with M.D.	1	1	1	1	1	1	1	1	1	–	1	6-37120-00-0-1	
23	Tilt corner-drive TF	1	1	1	1	1	1	1	1	1	–	1	6-38687-00-0-1	
26	Clamping bracket	2	2	2	2	2	2	2	2	2	–	2	9-48157-00-0-1	
35	TF striker	1	1	1	1	1	1	1	1	1	–	1	6-38686-00-0-1	
36	Run-up block tilt corner-drive TF	1	1	1	1	1	1	1	1	1	–	1	6-38696-00-0-1	
40	Corner drive CL	–	1	1	–	1	1	–	1	1	50	–	6-37266-00-0-1	
42	Packer for corner-drive LC *	–	1	1	–	1	1	–	1	1	100	–	9-48466-00-0-1	
45	Locking cam	with hinge-side 610	–	2	4	2	4	6	2	4	6	100	–	6-37111-00-0-8
		with hinge-side CC610	–	3	5	2	5	7	2	5	7	100	–	
	Set of additional stays	–	–	–	–	–	–	1	1	1	10	–	K-19013-00-0-1	
50	Stay-arm, additional stay	–	–	–	–	–	–	1	1	1	–	1	6-37840-00-0-1	
51	Stay-guide, additional stay	–	–	–	–	–	–	1	1	1	–	1	6-37841-00-0-1	
52	Opening restrictor	only with hinge-side 610	–	–	–	–	–	1	1	1	–	1	6-38803-00-0-1	
55	Striker	with hinge-side 610, for A=2.0	1	3	5	3	5	7	3	5	7	100	–	6-37261-01-0-1
		with hinge-side 610, for A=1.5	1	3	5	3	5	7	3	5	7	100	–	6-37261-02-0-1
		with hinge-side CC610, for A=2.0	1	4	6	3	6	8	3	6	8	100	–	6-37261-01-0-1
		with hinge-side CC610, for A=1.5	1	4	6	3	6	8	3	6	8	100	–	6-37261-02-0-1
80	DIRIGENT-F turn handle	1	1	1	1	1	1	1	1	1	10	–	6-28072-25-0-11	
83	DIRIGENT turn handle Tilt-First, lockable	1	1	1	1	1	1	1	1	1	10	–	6-31557-29-0-11	
85	Countersunk screw M5x30	2	2	2	2	2	2	2	2	2	100	–	9-13255-30-0-1	
Alternative to item 10, 22 and 26														
11	Insertable gear with M.D.	1	1	1	1	1	1	1	1	1	10	–	6-39384-00-0-1	
	Corner-drive without M.D.	1	1	1	1	1	1	1	1	1	50	–	K-19774-00-0-1	
24	Corner-drive without M.D.	1	1	1	1	1	1	1	1	1	–	1	6-37264-00-0-1	
26	Clamping bracket	1	1	1	1	1	1	1	1	1	–	1	9-48157-00-0-1	

* only with deep groove with groove width 13.6–15 and groove depth 5.5–7



Standard hardware set overviews

Turn-Only window with standard central locking system and geared turn handle



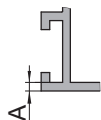
Standard hardware set overviews

Turn-Only window with standard central locking system and geared turn handle



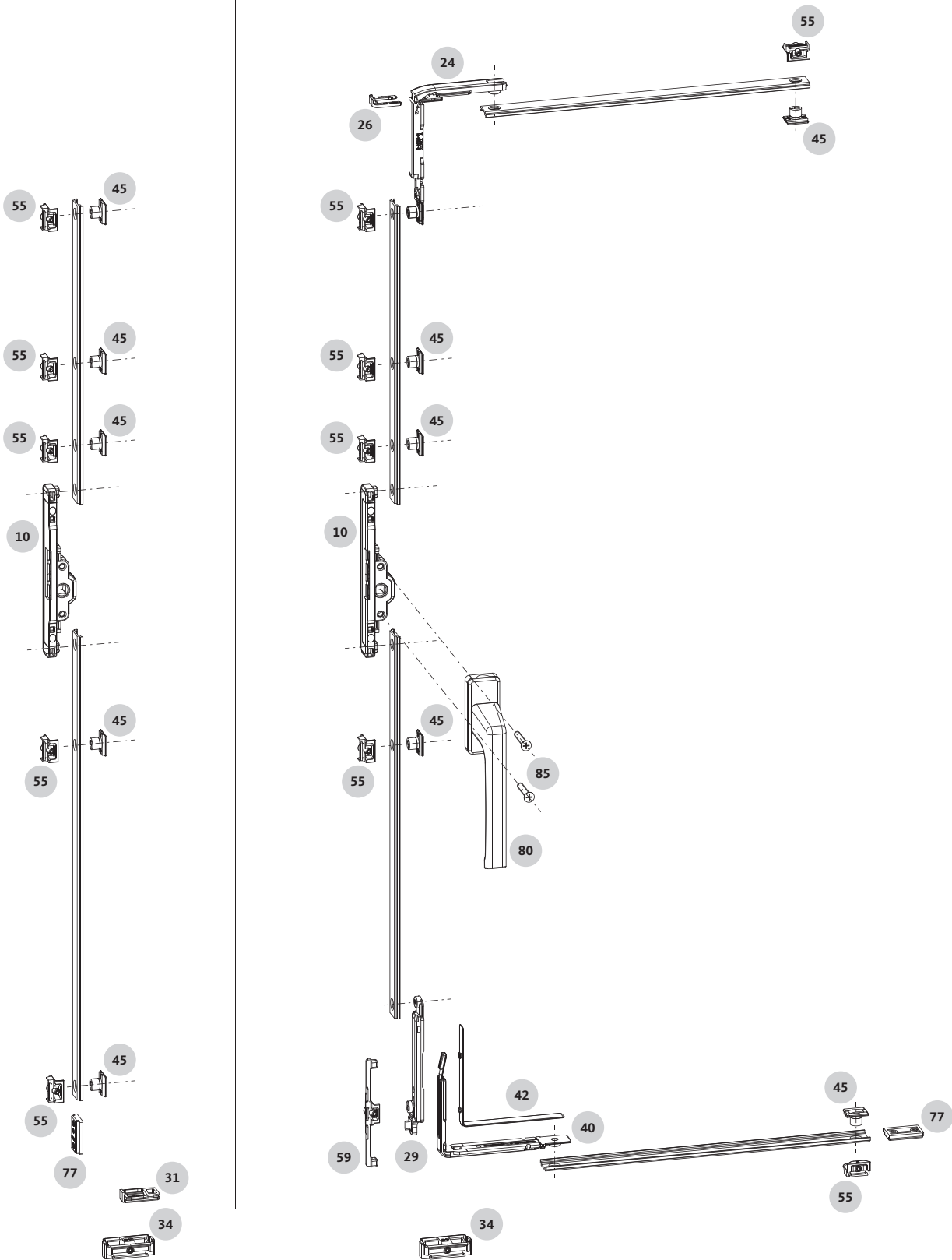
Item	Description	Piece(s)						PU	Qty. in K-set	Article number	
		SW 200–1200			SW 1201–1700						
		SH 410–1200	SH 1201–2200	SH 2201–2800	SH 860–1200	SH 1201–2200	SH 2201–2800				
5	Handle connector-pin	1	1	1	1	1	1	100	–	6-37090-00-0-1	
	Corner-drive without M.D.	–	–	–	1	1	1	50	–	K-19774-00-0-1	
24	Corner-drive without M.D.	–	–	–	1	1	1	–	1	6-37264-00-0-1	
26	Clamping bracket	–	–	–	1	1	1	–	1	9-48157-00-0-1	
29	T&T tilter	–	–	–	1	1	1	50	–	6-37258-00-0-1	
31	Run-up block, sash	1	1	1	–	–	–	10	–	9-40404-00-0-1	
34	T&T fanlight hinge	1	1	1	1	1	1	100	–	6-37441-00-0-1	
40	Corner drive CL	–	–	–	1	1	1	50	–	6-37266-00-0-1	
42	Packer for corner-drive LC *	–	–	–	1	1	1	100	–	9-48466-00-0-1	
45	Locking cam	with handle connector-pin item 5	2	3	4	2	3	4	100	–	6-37111-00-0-8
		with connector item 6	2	2	4	2	2	4	100	–	
55	Striker	for A=2.0	2	3	4	3	4	5	100	–	6-37261-01-0-1
		für A=1.5	2	3	4	3	4	5	100	–	6-37261-02-0-1
59	T&T striker	for A=2.0	–	–	–	1	1	1	100	–	6-37272-01-0-1
		für A=1.5	–	–	–	1	1	1	100	–	6-37272-02-0-1
65	SPACIO geared handle	HP 96/104	1	1	1	1	1	1	10	–	G-46551-96-0-1
		HP 84/98	1	1	1	1	1	1	10	–	G-46551-00-0-1
Alternative to item 5											
6	Connector for divided connecting rod	1	1	1	1	1	1	50	–	6-37257-00-0-1	
Accessories											
68	90° turn-restrictor for SPACIO geared turn handle	1	1	1	1	1	1	10	–	9-34612-00-0-6	
150	Packer plate for geared handle	for reinforcement of sash overlap		2	2	2	2	2	100	–	9-50091-00-0-8

* only with deep groove with groove width 13.6–15 and groove depth 5.5–7



Standard hardware set overviews

Turn-Only window with standard central locking system and insertable gear



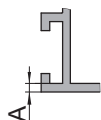
Standard hardware set overviews

Turn-Only window with standard central locking system and insertable gear



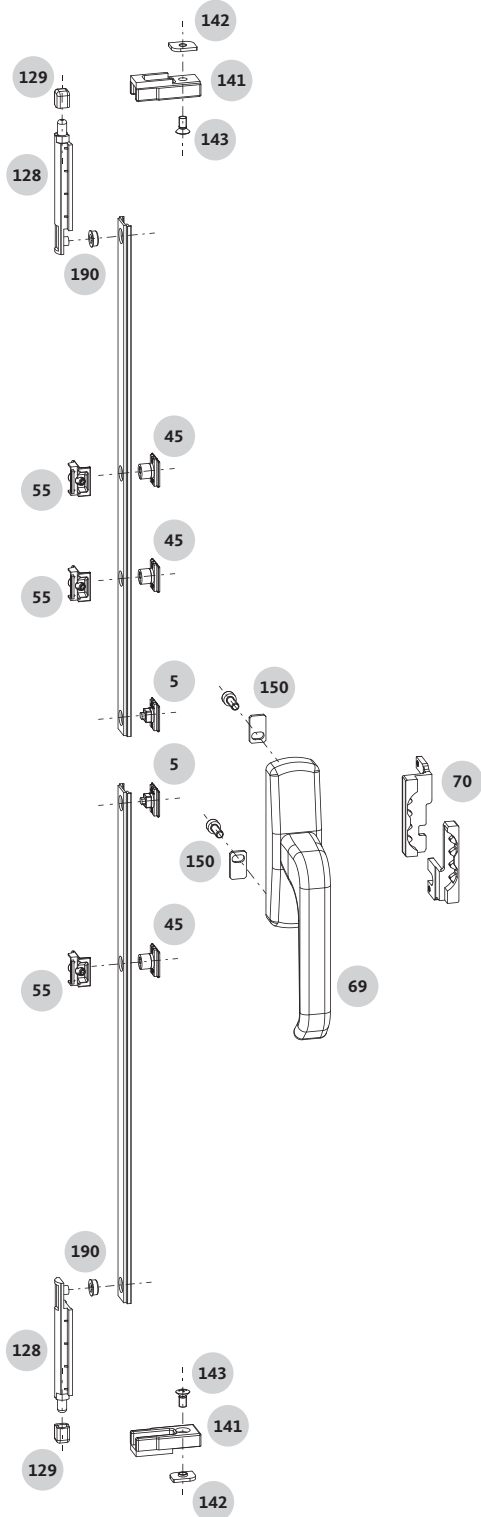
Item	Description	Piece(s)						PU	Qty. in K-set	Article number	
		SW 200–1200			SW 1201–1700						
		SH 410–1200	SH 1201–2200	SH 2201–2800	SH 860–1200	SH 1201–2200	SH 2201–2800				
10	Insertable gear w/o M.D.	1	1	1	1	1	1	10	–	6-39385-00-0-1	
	Corner-drive without M.D.	–	–	–	1	1	1	50	–	K-19774-00-0-1	
24	Corner-drive without M.D.	–	–	–	1	1	1	–	1	6-37264-00-0-1	
26	Clamping bracket	–	–	–	1	1	1	–	1	9-48157-00-0-1	
29	T&T tilter	–	–	–	1	1	1	50	–	6-37258-00-0-1	
31	Run-up block, sash	1	1	1	–	–	–	10	–	9-40404-00-0-1	
34	T&T fanlight hinge	1	1	1	1	1	1	100	–	6-37441-00-0-1	
40	Corner drive CL	–	–	–	1	1	1	50	–	6-37266-00-0-1	
42	Packer for corner-drive LC *	–	–	–	1	1	1	100	–	9-48466-00-0-1	
45	Locking cam	2	3	4	2	3	4	100	–	6-37111-00-0-8	
55	Striker	for A=2.0	2	3	4	3	4	5	100	–	6-37261-01-0-1
		für A=1.5	2	3	4	3	4	5	100	–	6-37261-02-0-1
59	T&T striker	for A=2.0	–	–	–	1	1	1	100	–	6-37272-01-0-1
		für A=1.5	–	–	–	1	1	1	100	–	6-37272-02-0-1
80	DIRIGENT-F turn handle	1	1	1	1	1	1	10	–	6-28072-25-0-11	
85	Countersunk screw M5x30	2	2	2	2	2	2	100	–	9-13255-30-0-1	
Accessories											
77	Stop (90° turn restrictor)	1	1	1	1	1	1	–	–	G-12943-00-0-1	

* only with deep groove with groove width 13.6–15 and groove depth 5.5–7



Standard hardware set overviews

Turn-Only window with shoot-bolt and SPACIO geared turn handle
(only frame groove 14/18)

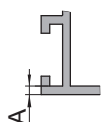


Standard hardware set overviews

Turn-Only window with shoot-bolt and SPACIO geared turn handle
(only frame groove 14/18)

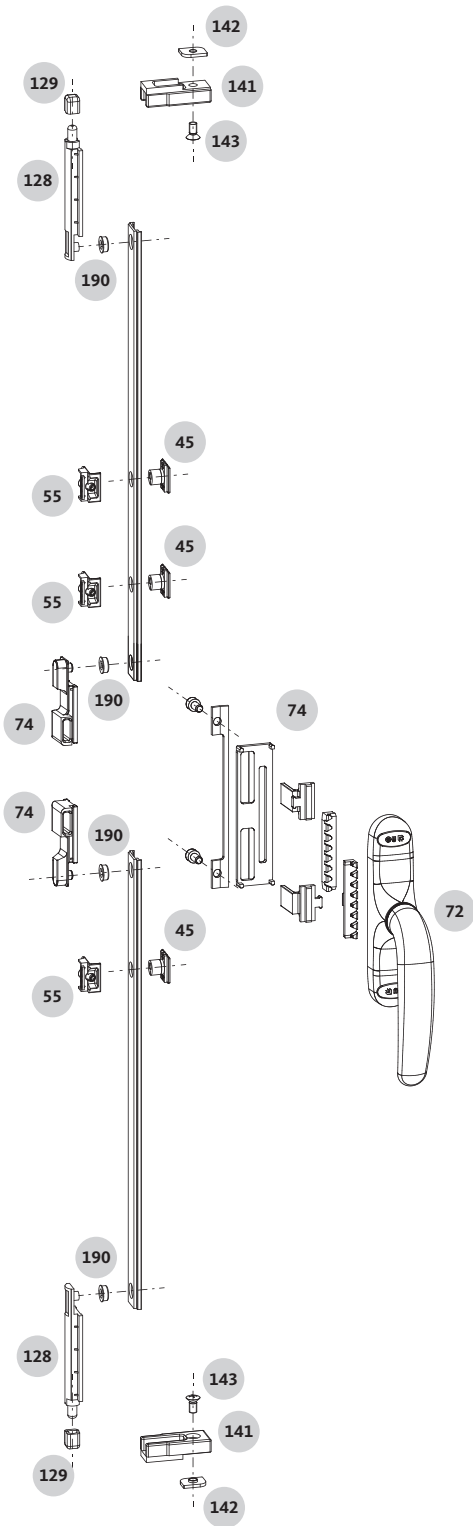


Item	Description	Piece(s)			PU	Qty. in K-set	Article number	
		SW 200–1200						
		SH 310–1200	SH 1201–2200	SH 2201–2800				
5	Handle connector-pin	2	2	2	100	–	6-37090-00-0-1	
45	Locking cam	–	1	2	100	–	6-37111-00-0-8	
55	Striker	for A=2.0	–	1	2	100	–	6-37261-01-0-1
		für A=1.5	–	1	2	100	–	6-37261-02-0-1
69	SPACIO expansion gear handle DIN right	HP 96/104	1	1	1	10	–	G-46552-96-R-1
		HP 98	1	1	1	10	–	G-46552-00-R-1
70	SPACIO conversion set for expansion gear DIN left	(only with DIN left)	1	1	1	10	–	G-46550-00-L-1
	TU-ON + ST-DCN connecting-rod shoot-bolt set	2	2	2	10	–	K-15817-00-0-1	
128	Connecting-rod shoot-bolt	2	2	2	–	1	6-31727-00-0-1	
129	CR shoot-bolt eccentric cap	2	2	2	–	1	9-41515-00-0-1	
	TU-ON connecting-rod shoot-bolt striker set 14/18	2	2	2	10	–	K-15819-00-0-1	
141	CR shoot-bolt striker 14/18	2	2	2	–	1	9-41516-00-0-1	
142	Clamping piece 14/18	2	2	2	–	1	9-41517-00-0-1	
143	Raised countersunk-head screw M5x10	2	2	2	–	1	9-13369-10-R-1	
190	Adapter ring Ø6 to Ø10	2	2	2	100	–	9-48454-00-0-6	
Accessories								
150	Packer plate for geared handle	for reinforcement of sash overlap	2	2	2	100	–	9-50091-00-0-8



Standard hardware set overviews

Turn-Only window with shoot-bolt and ADAGIO-A geared turn handle
(only frame groove 14/18)

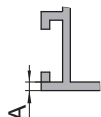


Standard hardware set overviews

Turn-Only window with shoot-bolt and ADAGIO-A geared turn handle
(only frame groove 14/18)

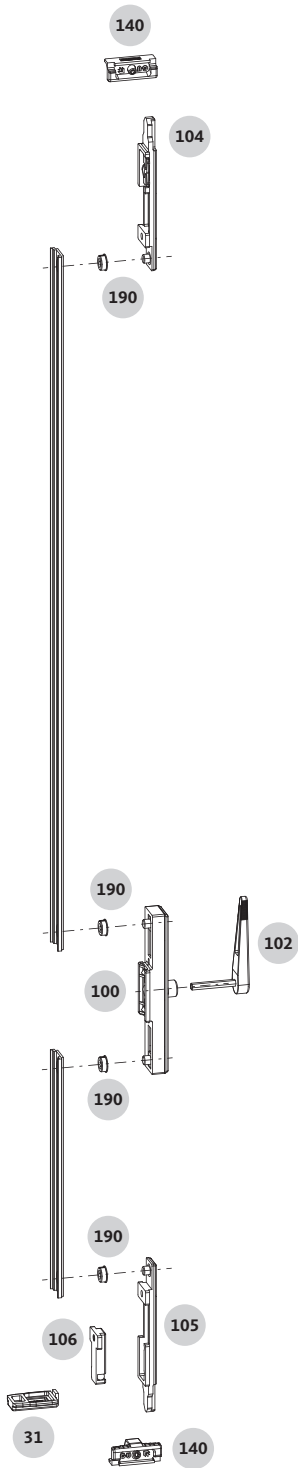
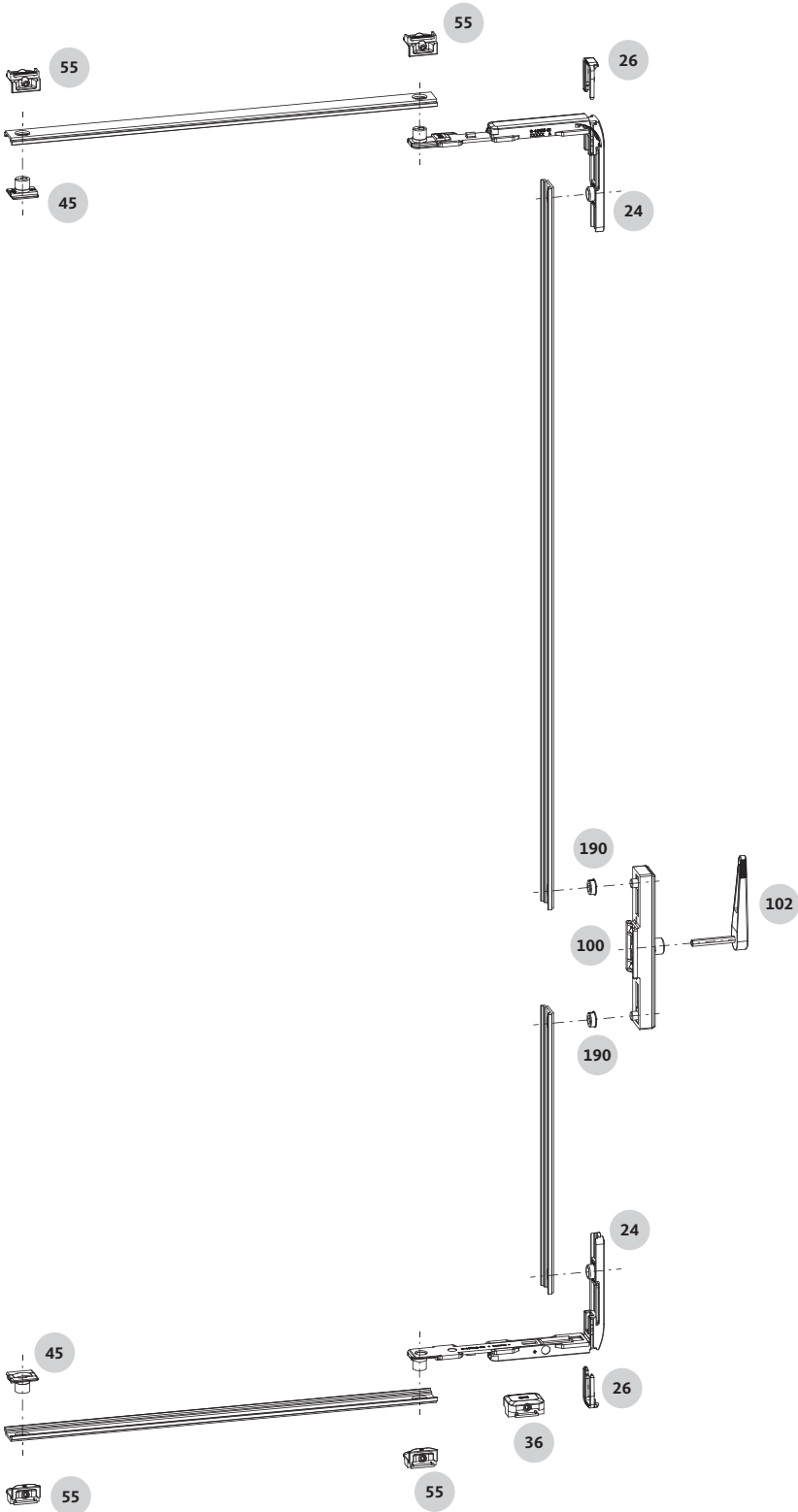


Item	Description	Piece(s)			PU	Qty. in K-set	Article number
		SW 200-1200	SH 370-1200	SH 1201-2200			
45	Locking cam	-	1	2	100	-	6-37111-00-0-8
55	Striker	for A=2.0	-	1	2	100	6-37261-01-0-1
		für A=1.5	-	1	2	100	6-37261-02-0-1
72	ADAGIO-A geared turn handle	HP 104	1	1	1	10	6-31723-00-0-1
74	ADAGIO-A carrier fork set for expansion gear	1	1	1	10	-	K-15815-00-0-1
	TU-ON + ST-DCN connecting-rod shoot-bolt set	2	2	2	10	-	K-15817-00-0-1
128	Connecting-rod shoot-bolt	2	2	2	-	1	6-31727-00-0-1
129	CR shoot-bolt eccentric cap	2	2	2	-	1	9-41515-00-0-1
	TU-ON connecting-rod shoot-bolt striker set 14/18	2	2	2	10	-	K-15819-00-0-1
141	CR shoot-bolt striker 14/18	2	2	2	-	1	9-41516-00-0-1
142	Clamping piece 14/18	2	2	2	-	1	9-41517-00-0-1
143	Raised countersunk-head screw M5x10	2	2	2	-	1	9-13369-10-R-1
190	Adapter ring Ø6 to Ø10	4	4	4	100	-	9-48454-00-0-6
Accessories							
150	Packer plate for geared handle	for reinforcement of sash overlap	2	2	2	100	9-50091-00-0-8



Standard hardware set overviews

Dummy mullion sash with central locking system in the sash groove (ST-FLN)



Standard hardware set overviews

Dummy mullion sash with central locking system in the sash groove (ST-FLN)

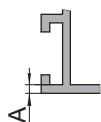


Item	Description	Piece(s)		PU	Qty. in K-set	Article number
		SW2 200- 1200	SW2 1201- 1700			
		SH 505- 2800	SH 505- 2800			

	Corner-drive without M.D.	-	2	50	-	K-19774-00-0-1
24	Corner-drive without M.D.	-	2	-	1	6-37264-00-0-1
26	Clamping bracket	-	2	-	1	9-48157-00-0-1

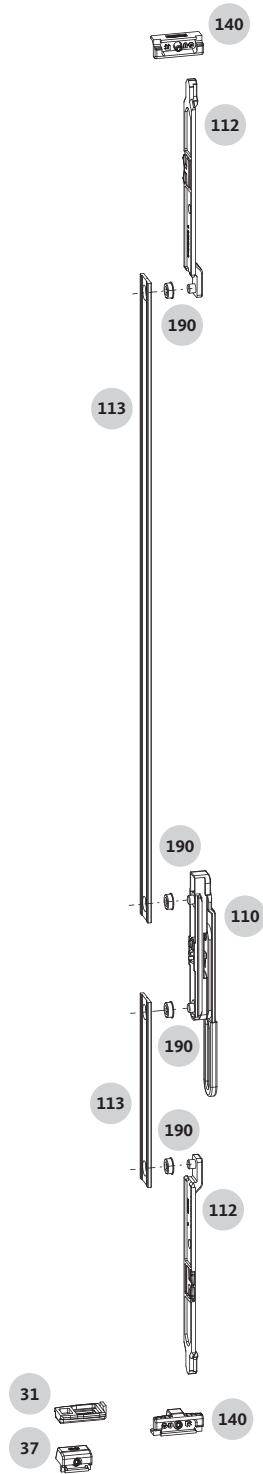
	ST-FLN lever-operated gear set	1	-	10	-	K-19589-00-0-1
31	Run-up block, sash	1	-	-	1	9-40404-00-0-1
100	Lever-operated gear	1	1	-	1	6-24680-00-0-1
102	Hand lever	1	1	-	1	6-23903-38-0-1
104	Top lock	1	-	-	1	G-17509-00-0-1
105	Bottom lock	1	-	-	1	E-12832-00-0-1
106	Bottom keeper	1	-	-	1	G-12096-00-0-1
190	Adapter ring Ø6 to Ø10	4	2	-	5	9-48454-00-0-6

36	Run-up block tilt corner-drive TF	-	1	100	-	6-38696-00-0-1
45	Locking cam	-	2	100	-	6-37111-00-0-8
55	Striker	for A=2.0	-	4	100	6-37261-01-0-1
		für A=1.5	-	4	100	6-37261-02-0-1
140	CR shoot-bolt striker		2	-	100	6-30961-00-0-1
		Gasket pressure + 1.5 mm	2	-	100	G-19658-02-0-1



Standard hardware set overviews

Dummy mullion sash with central locking system
with lever-operated gear in the double C groove (ST-DCN)



Standard hardware set overviews

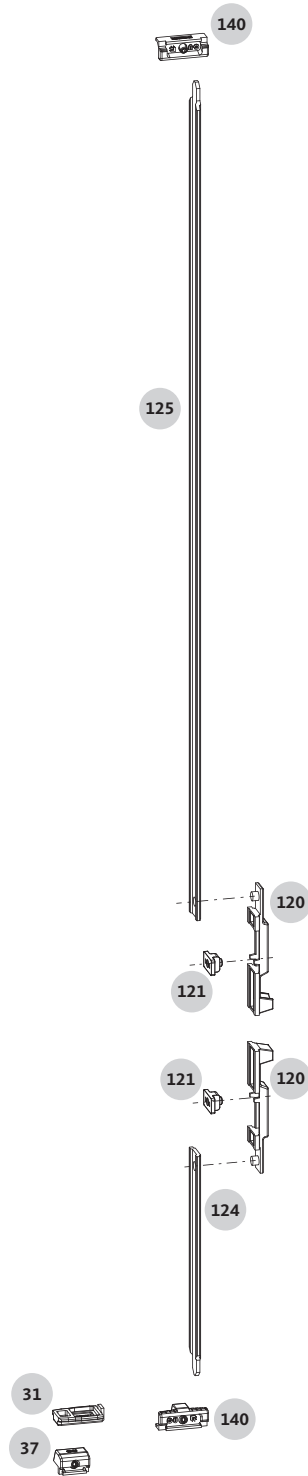
Dummy mullion sash with central locking system
with lever-operated gear in the double C groove (ST-DCN)



Item	Description	Piece(s)		PU	Qty. in K-set	Article number
		SW2 200–1200				
		SH min.– 1900	SH 1901– 2400			
	ST-DCN lever-operated gear set	1	1	10	–	K-19590-00-0-1
110	Lever-operated gear	1	1	–	1	6-37102-00-0-1
112	Connecting-rod shoot-bolt	2	2	–	2	6-31038-00-0-1
113	Connecting rod profile 15/20 ST-DCN	1	2	10	–	9-40859-16-0-1
		2	2	100	–	G-19658-02-0-1
140	CR shoot-bolt striker	2	2	100	–	6-30961-00-0-1
		2	2	100	–	G-19658-03-0-1
190	Adapter ring Ø6 to Ø10	4	4	–	5	9-48454-00-0-6
Accessories						
31	Run-up block, sash	1	1	10	–	9-40404-00-0-1
37	Run-up block, frame	1	1	10	–	6-30998-00-0-1

Standard hardware set overviews

Dummy mullion sash with central locking system
with shoot-bolts in the double C groove (ST-DCN)



Standard hardware set overviews

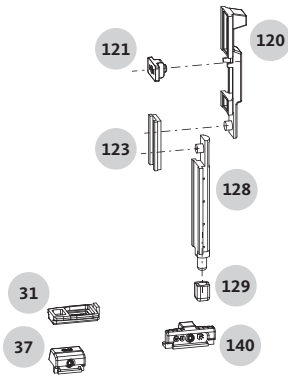
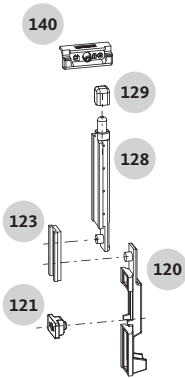
Dummy mullion sash with central locking system
with shoot-bolts in the double C groove (ST-DCN)



Item	Description	Piece(s)	PU	Qty. in K-set	Article number	
		SW2 200– 1200				
		SH min.– 2400				
	ST-DCN set of sliders	2	10	–	K-15816-00-0-1	
120	Slider	2	–	1	9-41514-00-0-1	
121	Stop for slider	2	–	1	6-31726-00-0-1	
–	Connecting rod	–	–	1	9-41529-00-0-1	
	ST-DCN locking rod set	1	10	–	K-15818-00-0-1	
124	Locking rod 125 mm	1	–	1	9-41479-12-0-1	
125	Locking rod 400 mm	1	–	1	9-41479-40-0-1	
140	CR shoot-bolt striker		2	100	–	G-19658-02-0-1
		Gasket pressure - 1.5 mm	2	100	–	6-30961-00-0-1
		Gasket pressure + 1.5 mm	2	100	–	G-19658-03-0-1
Accessories						
31	Run-up block, sash	1	10	–	9-40404-00-0-1	
37	Run-up block, frame	1	10	–	6-30998-00-0-1	

Standard hardware set overviews

Dummy mullion sash with central locking system
with shoot-bolts in the double C groove (ST-DCN)



Standard hardware set overviews

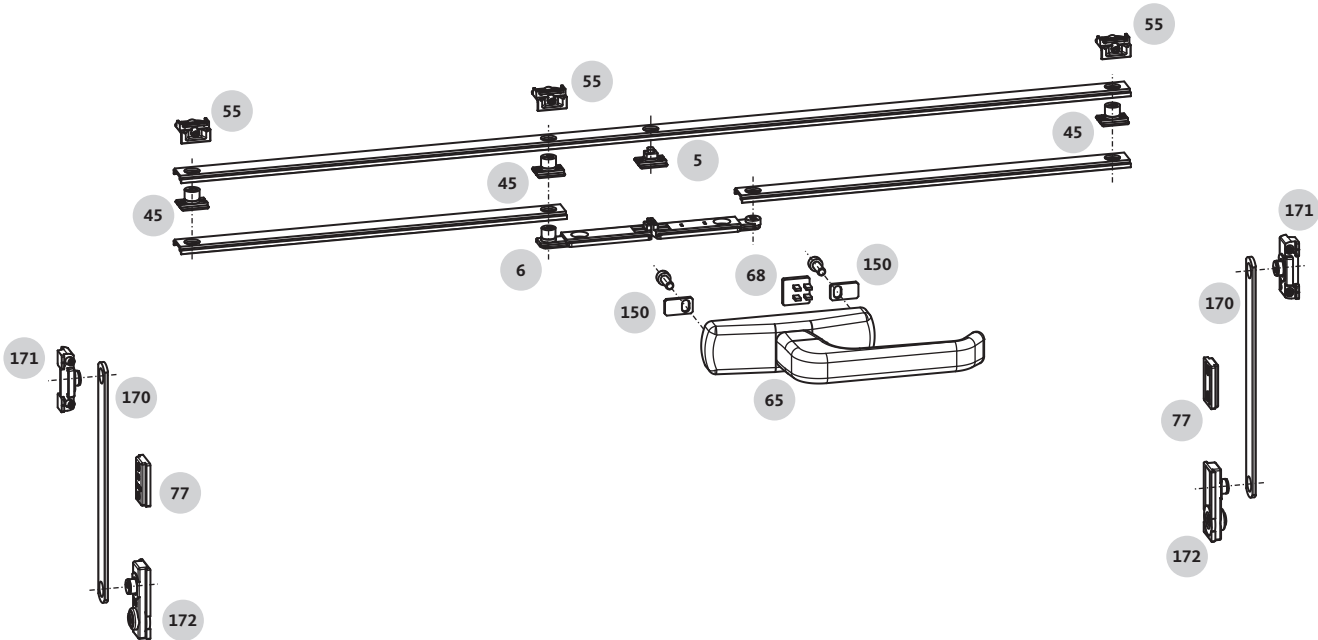
Dummy mullion sash with central locking system
with shoot-bolts in the double C groove (ST-DCN)



Item	Description	Piece(s)	PU	Qty. in K-set	Article number	
		SW2 200– 1200				
		SH min.– 2400				
	ST-DCN set of sliders	2	10	–	K-15816-00-0-1	
120	Slider	2	–	1	9-41514-00-0-1	
121	Stop for slider	2	–	1	6-31726-00-0-1	
123	Connecting rod	2	–	1	9-41529-00-0-1	
	TU-ON + ST-DCN connecting-rod shoot-bolt set	2	10	–	K-15817-00-0-1	
128	Connecting-rod shoot-bolt	2	–	1	6-31727-00-0-1	
129	CR shoot-bolt eccentric cap	2	–	1	9-41515-00-0-1	
140	CR shoot-bolt striker		2	100	–	G-19658-02-0-1
		Gasket pressure - 1.5 mm	2	100	–	6-30961-00-0-1
		Gasket pressure + 1.5 mm	2	100	–	G-19658-03-0-1
Accessories						
31	Run-up block, sash	1	10	–	9-40404-00-0-1	
37	Run-up block, frame	1	10	–	6-30998-00-0-1	

Standard hardware set overviews

Tilt-Only window with geared turn handle

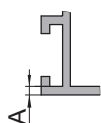


Standard hardware set overviews

Tilt-Only window with geared turn handle

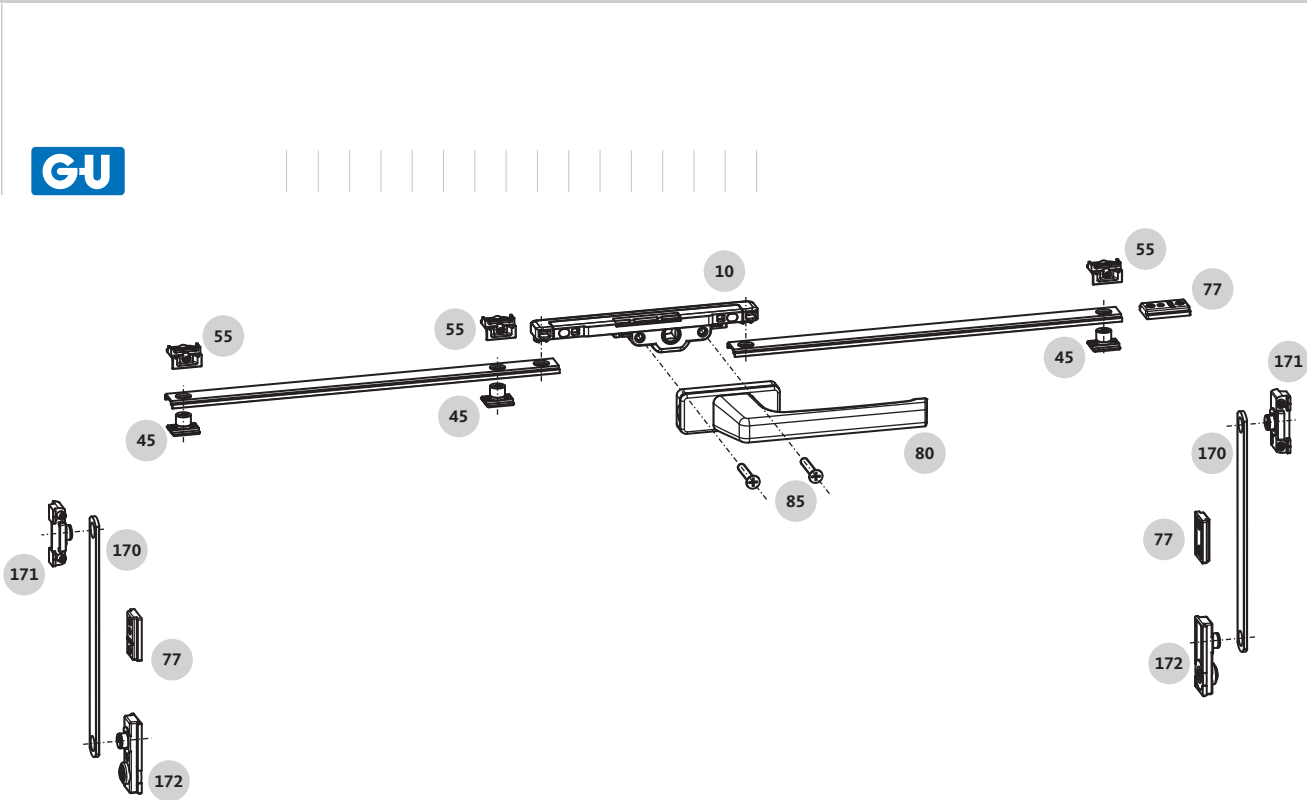


Item	Description		Piece(s)								PU	Qty. in K-set	Article number
			with axial hinges or Tilt-Only hinges S800				with hinge-side CC610						
			SW 350-1200		SW 1201-2400		SW 350-1200		SW 1201-2400				
			SH 240-400	SH 401-1200	SH 240-400	SH 401-1200	SH 440-550	SH 551-1200	SH 440-550	SH 551-1200			
5	Handle connector-pin		1	1	1	1	1	1	1	1	100	-	6-37090-00-0-1
45	Locking cam	with handle connector-pin item 5	2	2	3	3	2	2	3	3	100	-	6-37111-00-0-8
		with connector item 6	2	2	2	2	2	2	2	2	100	-	
55	Striker	for A=2.0	2	2	3	3	2	2	3	3	100	-	6-37261-01-0-1
		für A=1.5	2	2	3	3	2	2	3	3	100	-	6-37261-02-0-1
65	SPACIO geared handle	HP 96/104	1	1	1	1	1	1	1	1	10	-	G-46551-96-0-1
		HP 84/98	1	1	1	1	1	1	1	1	10	-	G-46551-00-0-1
	Limiting stay set with brake	L=150	2	-	2	-	2	-	2	-	10	-	K-17138-15-0-1
77	Stop (90° turn restrictor)		2	-	2	-	2	-	2	-	-	1	G-12943-00-0-1
170	Limiting stay arm	L=150	2	-	2	-	2	-	2	-	-	1	9-43127-15-0-8
171	Limiting stay, frame part		2	-	2	-	2	-	2	-	-	1	6-33596-00-0-1
172	Limiting stay, sash part		2	-	2	-	2	-	2	-	-	1	6-33549-00-0-1
	Limiting stay set with brake	L=250	-	2	-	2	-	2	-	2	10	-	K-17138-25-0-1
77	Stop (90° turn restrictor)		-	2	-	2	-	2	-	2	-	1	G-12943-00-0-1
170	Limiting stay arm	L=250	-	2	-	2	-	2	-	2	-	1	9-43127-25-0-8
171	Limiting stay, frame part		-	2	-	2	-	2	-	2	-	1	6-33596-00-0-1
172	Limiting stay, sash part		-	2	-	2	-	2	-	2	-	1	6-33549-00-0-1
Accessories													
68	90° turn-restrictor for SPACIO geared turn handle		1	1	1	1	1	1	1	1	10	-	9-34612-00-0-6
150	Packer plate for geared handle	for reinforcement of sash overlap	2	2	2	2	2	2	2	2	100	-	9-50091-00-0-8



Standard hardware set overviews

Tilt-Only window with insertable gear



Standard hardware set overviews

Tilt-Only window with insertable gear



Item	Description	Piece(s)								PU	Qty. in K-set	Article number
		with axial hinges or Tilt-Only hinges S800				with hinge-side CC610						
		SW 350-1200		SW 1201-2400		SW 350-1200		SW 1201-2400				
		SH 240-400	SH 401-1200	SH 240-400	SH 401-1200	SH 440-550	SH 551-1200	SH 440-550	SH 551-1200			

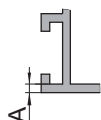
10	Insertable gear w/o M.D.	1	1	1	1	1	1	1	1	10	–	6-39385-00-0-1	
45	Locking cam	2	2	3	3	2	2	3	3	100	–	6-37111-00-0-8	
55	Striker	for A=2.0	2	2	3	3	2	2	3	3	100	–	6-37261-01-0-1
		für A=1.5	2	2	3	2	2	2	3	2	100	–	6-37261-02-0-1
80	DIRIGENT-F turn handle	1	1	1	1	1	1	1	1	–	–	6-28072-25-0-11	
85	Countersunk screw M5x30	2	2	2	2	2	2	2	2	100	–	9-13255-30-0-1	

	Limiting stay set with brake	L=150	2	-	2	-	2	-	2	-	10	-	K-17138-15-0-1
77	Stop (90° turn restrictor)		2	-	2	-	2	-	2	-	-	1	G-12943-00-0-1
170	Limiting stay arm	L=150	2	-	2	-	2	-	2	-	-	1	9-43127-15-0-8
171	Limiting stay, frame part		2	-	2	-	2	-	2	-	-	1	6-33596-00-0-1
172	Limiting stay, sash part		2	-	2	-	2	-	2	-	-	1	6-33549-00-0-1

	Limiting stay set with brake	L=250	-	2	-	2	-	2	-	2	10	-	K-17138-25-0-1
77	Stop (90° turn restrictor)		-	2	-	2	-	2	-	2	-	1	G-12943-00-0-1
170	Limiting stay arm	L=250	-	2	-	2	-	2	-	2	-	1	9-43127-25-0-8
171	Limiting stay, frame part		-	2	-	2	-	2	-	2	-	1	6-33596-00-0-1
172	Limiting stay, sash part		-	2	-	2	-	2	-	2	-	1	6-33549-00-0-1

Accessories

77	Stop (90° turn restrictor)	1	1	1	1	1	1	1	1	-	1	G-12943-00-0-1
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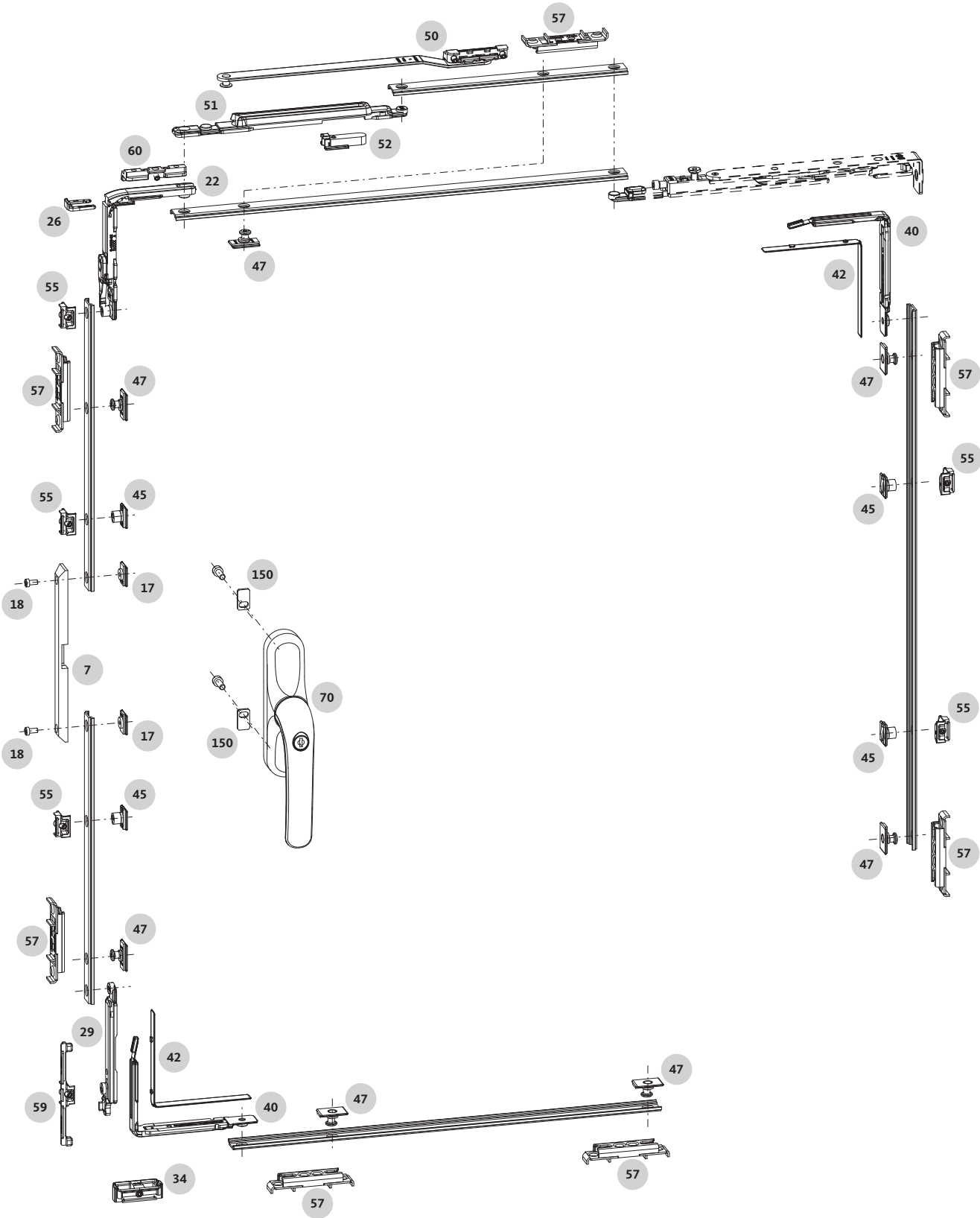


RC2 Overviews of hardware sets

Tilt&Turn window with geared turn handle



RC2



RC2 Overviews of hardware sets

Tilt&Turn window with geared turn handle


RC2

Item	Description	Piece(s)									PU	Qty. in K-set	Article number
		SW 530-1200			SW 1201-1350			SW 1351-1700					
		SH 665-1200	SH 1201-2200	SH 2201-2800	SH 860-1200	SH 1201-2200	SH 2201-2800	SH 960-1200	SH 1201-2200	SH 2201-2800			

	RC 2/RC 3 handle connector set	1	1	1	1	1	1	1	1	1	10	-	K-19820-00-0-1
7	Connector RC 2/RC 3 for divided connecting rod	1	1	1	1	1	1	1	1	1	-	1	9-48470-00-0-D
17	Counter plate	2	2	2	2	2	2	2	2	2	-	2	9-50034-00-0-8
18	Cylinder head screw M4x8	2	2	2	2	2	2	2	2	2	-	2	9-13713-08-R-8

	T&T set, central locking system	1	1	1	1	1	1	1	1	1	10	-	K-19054-00-0-1
-	Handle connector-pin	-	-	-	-	-	-	-	-	-	-	1	6-37090-00-0-1
22	Corner-drive with M.D.	1	1	1	1	1	1	1	1	1	-	1	6-37120-00-0-1
26	Clamping bracket	1	1	1	1	1	1	1	1	1	-	1	9-48157-00-0-1
29	T&T tilter	1	1	1	1	1	1	1	1	1	-	1	6-37258-00-0-1
-	Run-up block, sash	-	-	-	-	-	-	-	-	-	-	1	9-40404-00-0-1
34	T&T fanlight hinge	1	1	1	1	1	1	1	1	1	-	1	6-37441-00-0-1

40	Corner drive CL	2	2	2	2	2	2	2	2	2	50	-	6-37266-00-0-1
42	Packer for corner-drive LC *	2	2	2	2	2	2	2	2	2	100	-	9-48466-00-0-1
45	Locking cam	-	2	4	-	2	4	-	2	4	100	-	6-37111-00-0-8
47	Mushroom cam RC 2	7	7	7	7	7	7	7	7	7	100	-	6-37114-00-0-8

	Set of additional stays	–	–	–	–	–	–	1	1	1	10	–	K-19013-00-0-1
50	Stay-arm, additional stay	–	–	–	–	–	–	1	1	1	–	1	6-37840-00-0-1
51	Stay-guide, additional stay	–	–	–	–	–	–	1	1	1	–	1	6-37841-00-0-1
52	Opening restrictor only with hinge-side 610	–	–	–	–	–	–	1	1	1	–	1	6-38803-00-0-1

55	Striker	for A=2.0	1	3	5	1	3	5	1	3	5	100	-	6-37261-01-0-1
		für A=1.5	1	3	5	1	3	5	1	3	5	100	-	6-37261-02-0-1
57	Sec striker 10/14	for frame groove 10/14	7	7	7	7	7	7	7	7	7	100	-	6-37254-10-0-8
	Sec striker 14/18	for frame groove 14/18, B=4.0	7	7	7	7	7	7	7	7	7	100	-	6-37254-14-0-8
		for frame groove 14/18, B=3.5	7	7	7	7	7	7	7	7	7	100	-	6-37254-15-0-8
59	T&T striker	for A=2.0	1	1	1	1	1	1	1	1	1	100	-	6-37272-01-0-1
		für A=1.5	1	1	1	1	1	1	1	1	1	100	-	6-37272-02-0-1
60	Sec clearance packer / TU-ON window run-up block		1	1	1	1	1	1	1	1	1	100	-	6-38807-00-0-1

70	ADAGIO geared turn handle, lockable RC2/RC3	1	1	1	1	1	1	1	1	1	10	-	K-19821-00-0-1
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Accessories

150	Packer plate for geared handle	for reinforcement of sash overlap	2	2	2	2	2	2	2	2	2	100	-	9-50091-00-0-8
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* only with deep groove with groove width 13.6-15 and groove depth 5.5-7

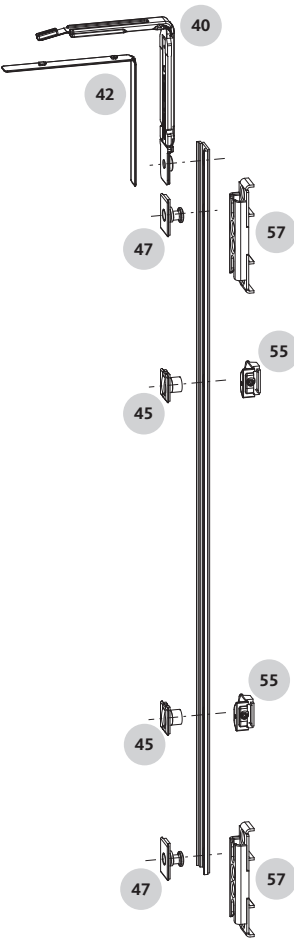
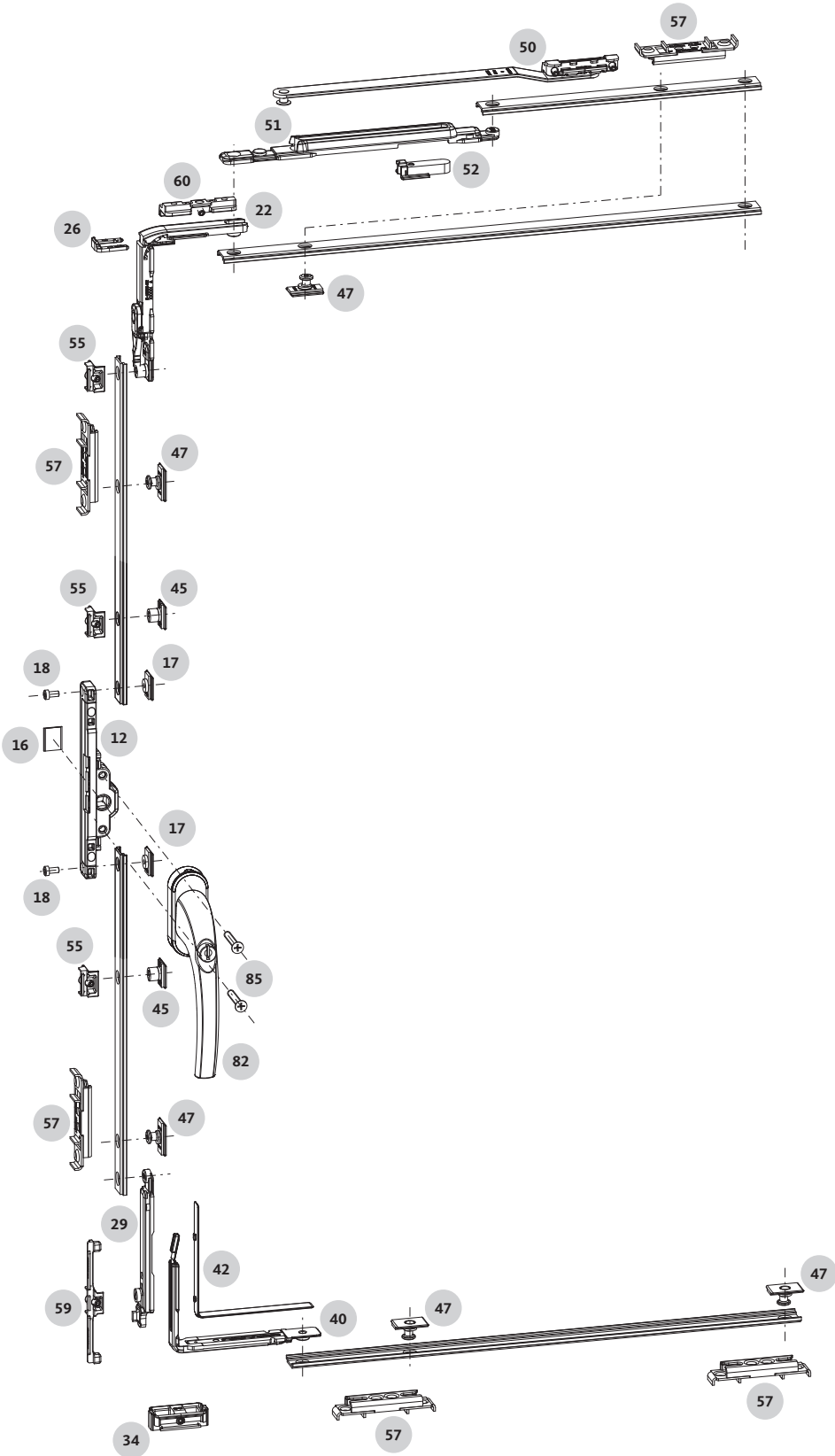


RC2 Overviews of hardware sets

Tilt&Turn window with insertable gear



RC2



RC2 Overviews of hardware sets

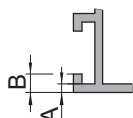
Tilt&Turn window with insertable gear



RC2

Item	Description	Piece(s)									PU	Qty. in K-set	Article number	
		SW 530-1200			SW 1201-1350			SW 1351-1700						
		SH 665-1200	SH 1201-2200	SH 2201-2800	SH 860-1200	SH 1201-2200	SH 2201-2800	SH 960-1200	SH 1201-2200	SH 2201-2800				
	Insertable gear w/o M.D. RC2/RC3	1	1	1	1	1	1	1	1	1	10	-	K-19575-00-0-1	
12	Insertable gear RC w/o M.D.	1	1	1	1	1	1	1	1	1	-	1	6-39385-12-0-1	
16	Anti-drill plate for insertable gear	1	1	1	1	1	1	1	1	1	-	1	6-39081-01-0-0	
17	Counter plate	2	2	2	2	2	2	2	2	2	-	2	9-50034-00-0-8	
18	Cylinder head screw M4x8	2	2	2	2	2	2	2	2	2	-	2	9-13713-08-R-8	
	T&T set, central locking system	1	1	1	1	1	1	1	1	1	10	-	K-19054-00-0-1	
-	Handle connector-pin	-	-	-	-	-	-	-	-	-	-	1	6-37090-00-0-1	
22	Corner-drive with M.D.	1	1	1	1	1	1	1	1	1	-	1	6-37120-00-0-1	
26	Clamping bracket	1	1	1	1	1	1	1	1	1	-	1	9-48157-00-0-1	
29	T&T tilter	1	1	1	1	1	1	1	1	1	-	1	6-37258-00-0-1	
-	Run-up block, sash	-	-	-	-	-	-	-	-	-	-	1	9-40404-00-0-1	
34	T&T fanlight hinge	1	1	1	1	1	1	1	1	1	-	1	6-37441-00-0-1	
40	Corner drive CL	2	2	2	2	2	2	2	2	2	50	-	6-37266-00-0-1	
42	Packer for corner-drive LC *	2	2	2	2	2	2	2	2	2	100	-	9-48466-00-0-1	
45	Locking cam	-	2	4	-	2	4	-	2	4	100	-	6-37111-00-0-8	
47	Mushroom cam RC 2	7	7	7	7	7	7	7	7	7	100	-	6-37114-00-0-8	
	Set of additional stays	-	-	-	-	-	-	1	1	1	10	-	K-19013-00-0-1	
50	Stay-arm, additional stay	-	-	-	-	-	-	1	1	1	-	1	6-37840-00-0-1	
51	Stay-guide, additional stay	-	-	-	-	-	-	1	1	1	-	1	6-37841-00-0-1	
52	Opening restrictor	only with hinge-side 610									-	1	6-38803-00-0-1	
55	Striker	for A=2.0	1	3	5	1	3	5	1	3	5	100	-	6-37261-01-0-1
		für A=1.5	1	3	5	1	3	5	1	3	5	100	-	6-37261-02-0-1
57	Sec striker 10/14	for frame groove 10/14	7	7	7	7	7	7	7	7	7	100	-	6-37254-10-0-8
	Sec striker 14/18	for frame groove 14/18, B=4.0	7	7	7	7	7	7	7	7	7	100	-	6-37254-14-0-8
		for frame groove 14/18, B=3.5	7	7	7	7	7	7	7	7	7	100	-	6-37254-15-0-8
59	T&T striker	for A=2.0	1	1	1	1	1	1	1	1	1	100	-	6-37272-01-0-1
		für A=1.5	1	1	1	1	1	1	1	1	1	100	-	6-37272-02-0-1
60	Sec clearance packer / TU-ON window run-up block		1	1	1	1	1	1	1	1	1	100	-	6-38807-00-0-1
82	MODENA-F/Z turn handle, lockable 100 Nm		1	1	1	1	1	1	1	1	1	10	-	6-34397-29-0-1
85	Countersunk screw M5x30		2	2	2	2	2	2	2	2	2	100	-	9-13255-30-0-1

* only with deep groove with groove width 13.6-15 and groove depth 5.5-7

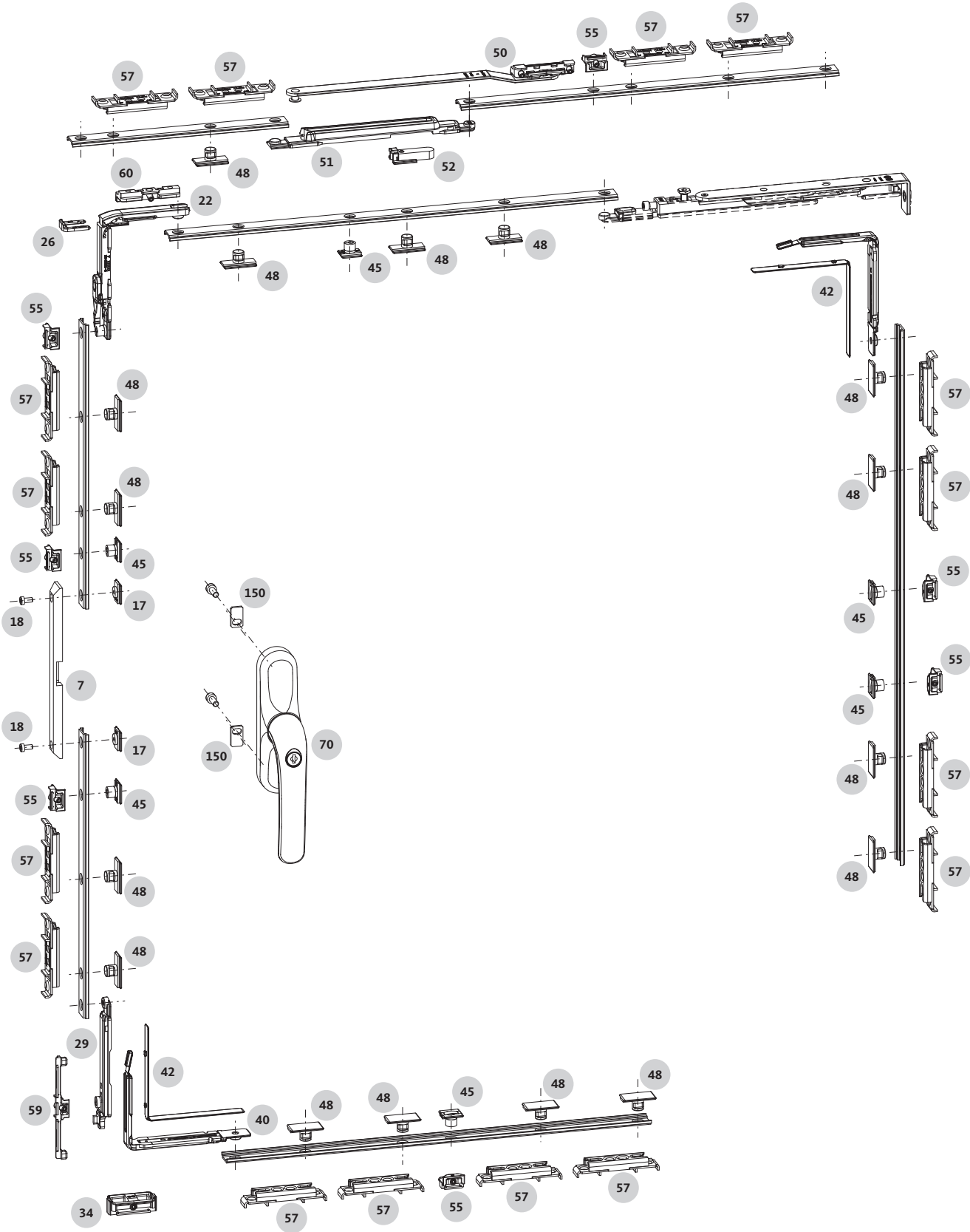


RC3 Overviews of hardware sets

Tilt&Turn window with geared turn handle



RC3



RC3 Overviews of hardware sets

Tilt&Turn window with geared turn handle


RC3

Continued on next page

Item	Description	Piece(s)									PU	Qty. in K-set	Article number
		SW 710-1050			SW 1051-1200			SW 1201-1350					
		SH 850-1200	SH 1201-2200	SH 2201-2800	SH 850-1200	SH 1201-2200	SH 2201-2800	SH 860-1200	SH 1201-2200	SH 2201-2800			

	RC 2/RC 3 handle connector set	1	1	1	1	1	1	1	1	1	10	-	K-19820-00-0-1
7	Connector RC 2/RC 3 for divided connecting rod	1	1	1	1	1	1	1	1	1	-	1	9-48470-00-0-D
17	Counter plate	2	2	2	2	2	2	2	2	2	-	2	9-50034-00-0-8
18	Cylinder head screw M4x8	2	2	2	2	2	2	2	2	2	-	2	9-13713-08-R-8

	T&T set, central locking system	1	1	1	1	1	1	1	1	1	10	-	K-19054-00-0-1
-	Handle connector-pin	-	-	-	-	-	-	-	-	-	-	1	6-37090-00-0-1
22	Corner-drive with M.D.	1	1	1	1	1	1	1	1	1	-	1	6-37120-00-0-1
26	Clamping bracket	1	1	1	1	1	1	1	1	1	-	1	9-48157-00-0-1
29	T&T tilter	1	1	1	1	1	1	1	1	1	-	1	6-37258-00-0-1
-	Run-up block, sash	-	-	-	-	-	-	-	-	-	-	1	9-40404-00-0-1
34	T&T fanlight hinge	1	1	1	1	1	1	1	1	1	-	1	6-37441-00-0-1

40	Corner drive CL	2	2	2	2	2	2	2	2	2	50	-	6-37266-00-0-1
42	Packer for corner-drive LC *	2	2	2	2	2	2	2	2	2	100	-	9-48466-00-0-1
45	Locking cam	-	2	4	-	2	4	2	4	6	100	-	6-37111-00-0-8
48	Mushroom cam RC3	12	12	12	14	14	14	15	15	15	100	-	9-48458-00-0-8

	Set of additional stays	-	-	-	-	-	-	-	-	-	10	-	K-19013-00-0-1
50	Stay-arm, additional stay	-	-	-	-	-	-	-	-	-	-	1	6-37840-00-0-1
51	Stay-guide, additional stay	-	-	-	-	-	-	-	-	-	-	1	6-37841-00-0-1
52	Opening restrictor	only with hinge-side 610										1	6-38803-00-0-1

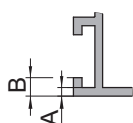
55	Striker	for A=2.0	1	3	5	1	3	5	1	5	7	100	-	6-37261-01-0-1
		für A=1.5	1	3	5	1	3	5	1	5	7	100	-	6-37261-02-0-1
57	Sec striker 10/14	for frame groove 10/14	12	12	12	14	14	14	15	15	15	100	-	6-37254-10-0-8
	Sec striker 14/18	for frame groove 14/18, B=4.0	12	12	12	14	14	14	15	15	15	100	-	6-37254-14-0-8
		for frame groove 14/18, B=3.5	12	12	12	14	14	14	15	15	15	100	-	6-37254-15-0-8
59	T&T striker	for A=2.0	1	1	1	1	1	1	1	1	1	100	-	6-37272-01-0-1
		für A=1.5	1	1	1	1	1	1	1	1	1	100	-	6-37272-02-0-1
60	Sec clearance packer / TU-ON window run-up block		1	1	1	1	1	1	1	1	1	100	-	6-38807-00-0-1

70	ADAGIO geared turn handle, lockable RC2/RC3	1	1	1	1	1	1	1	1	1	10	-	K-19821-00-0-1
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Accessories

150	Packer plate for geared handle	for reinforcement of sash overlap	2	2	2	2	2	2	2	2	2	100	-	9-50091-00-0-8
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* only with deep groove with groove width 13.6-15 and groove depth 5.5-7

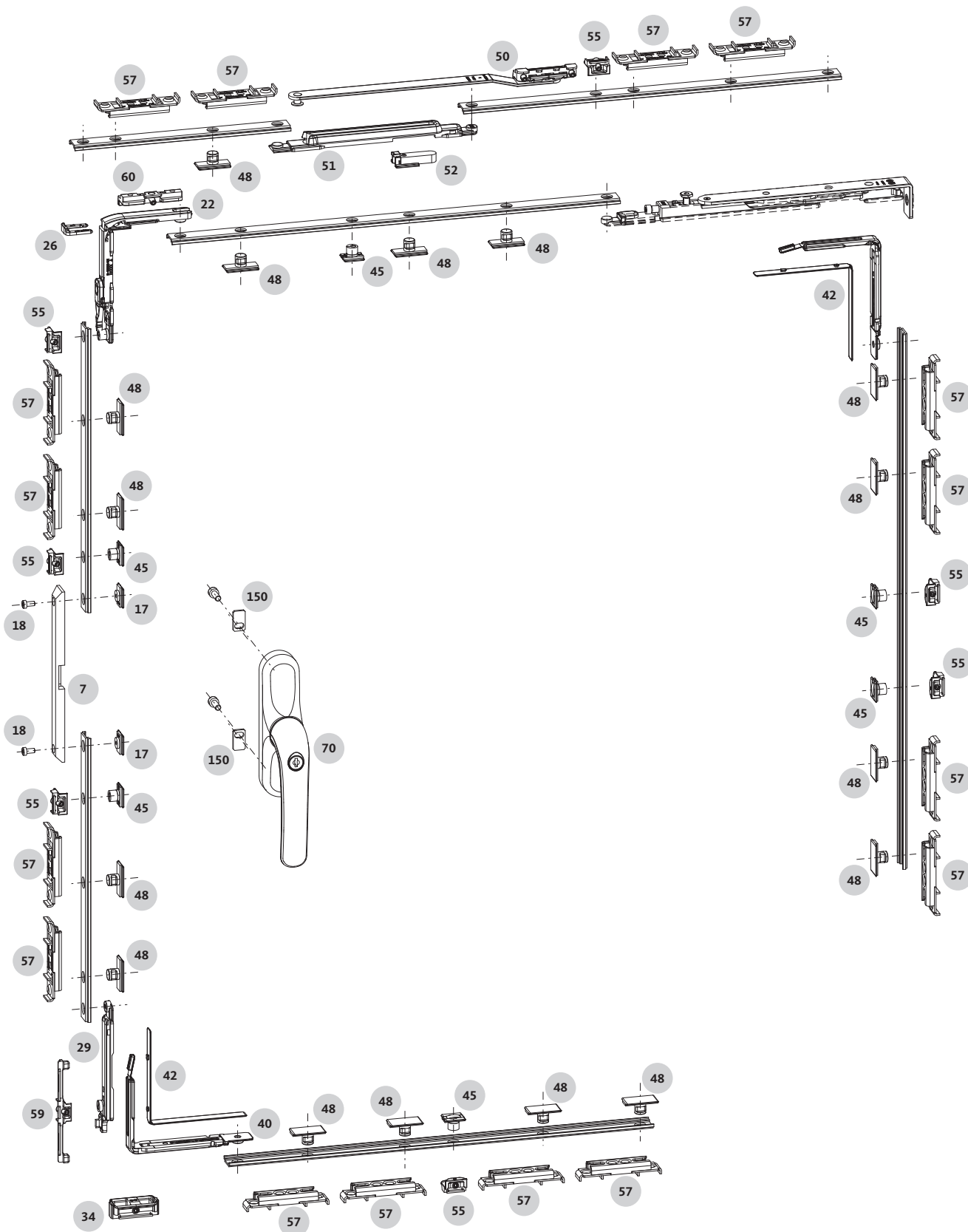


RC3 Overviews of hardware sets

Tilt&Turn window with geared turn handle



RC3



RC3 Overviews of hardware sets

Tilt&Turn window with geared turn handle



Continued

RC3

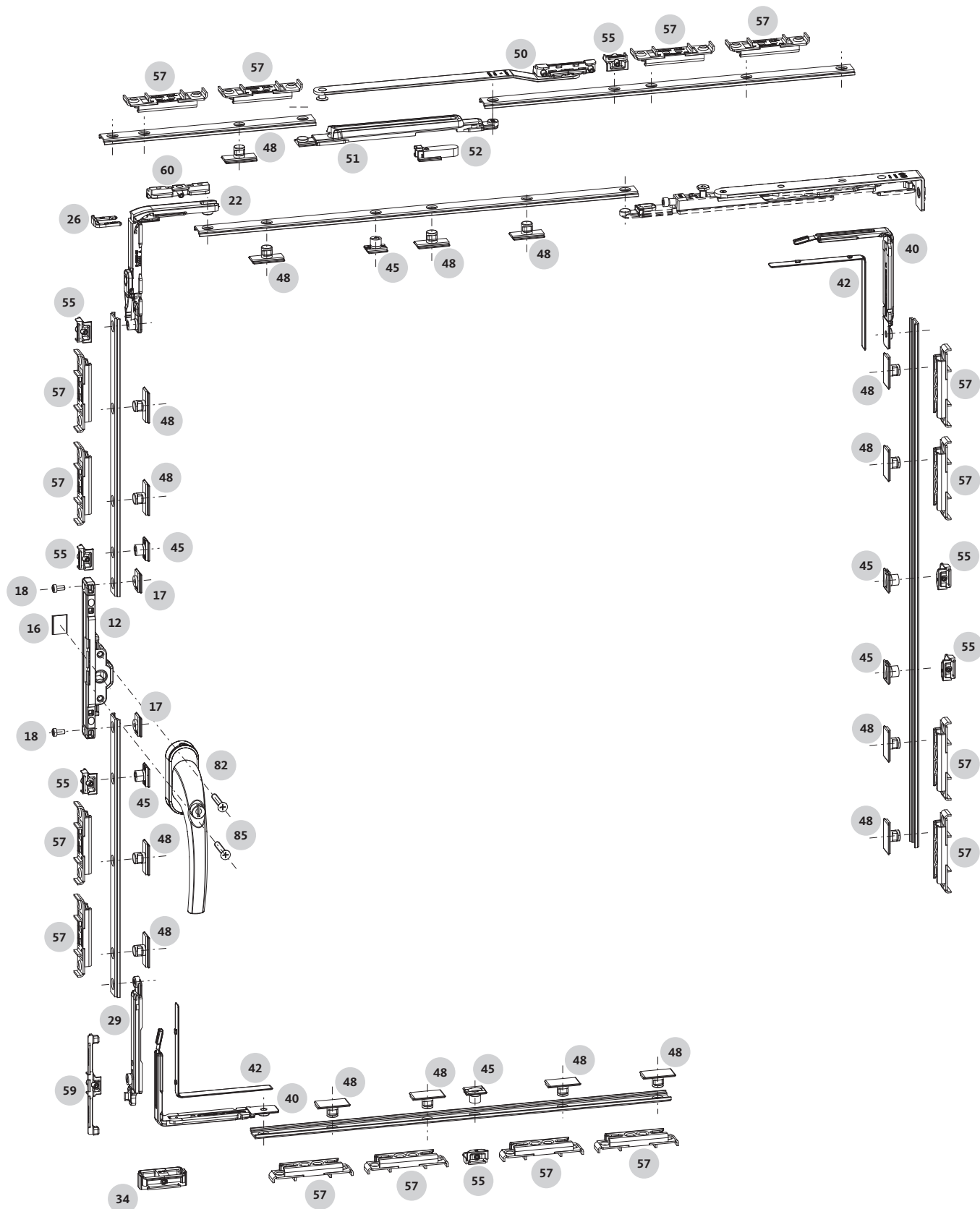
Item	Description	Piece(s)						PU	Qty. in K-set	Article number	
		SW 1351-1450			SW 1451-1700						
		SH 960-1200	SH 1201-2200	SH 2201-2800	SH 1040-1200	SH 1201-2200	SH 2201-2800				
	RC 2/RC 3 handle connector set	1	1	1	1	1	1	10	-	K-19820-00-0-1	
7	Connector RC 2/RC 3 for divided connecting rod	1	1	1	1	1	1	-	1	9-48470-00-0-D	
17	Counter plate	2	2	2	2	2	2	-	2	9-50034-00-0-8	
18	Cylinder head screw M4x8	2	2	2	2	2	2	-	2	9-13713-08-R-8	
	T&T set, central locking system	1	1	1	1	1	1	10	-	K-19054-00-0-1	
-	Handle connector-pin	-	-	-	-	-	-	-	1	6-37090-00-0-1	
22	Corner-drive with M.D.	1	1	1	1	1	1	-	1	6-37120-00-0-1	
26	Clamping bracket	1	1	1	1	1	1	-	1	9-48157-00-0-1	
29	T&T tilter	1	1	1	1	1	1	-	1	6-37258-00-0-1	
-	Run-up block, sash	-	-	-	-	-	-	-	1	9-40404-00-0-1	
34	T&T fanlight hinge	1	1	1	1	1	1	-	1	6-37441-00-0-1	
40	Corner drive CL	2	2	2	2	2	2	50	-	6-37266-00-0-1	
42	Packer for corner-drive LC *	2	2	2	2	2	2	100	-	9-48466-00-0-1	
45	Locking cam	2	4	6	2	4	6	100	-	6-37111-00-0-8	
48	Mushroom cam RC3	15	15	15	16	16	16	100	-	9-48458-00-0-8	
	Set of additional stays	1	1	1	1	1	1	10	-	K-19013-00-0-1	
50	Stay-arm, additional stay	1	1	1	1	1	1	-	1	6-37840-00-0-1	
51	Stay-guide, additional stay	1	1	1	1	1	1	-	1	6-37841-00-0-1	
52	Opening restrictor	only with hinge-side 610				1	1	1	-	1	6-38803-00-0-1
55	Striker	for A=2.0	3	5	7	3	5	7	100	-	6-37261-01-0-1
		für A=1.5	3	5	7	3	5	7	100	-	6-37261-02-0-1
57	Sec striker 10/14	for frame groove 10/14	15	15	15	16	16	16	100	-	6-37254-10-0-8
	Sec striker 14/18	for frame groove 14/18, B=4.0	15	15	15	16	16	16	100	-	6-37254-14-0-8
		for frame groove 14/18, B=3.5	15	15	15	16	16	16	100	-	6-37254-15-0-8
59	T&T striker	for A=2.0	1	1	1	1	1	1	100	-	6-37272-01-0-1
		für A=1.5	1	1	1	1	1	1	100	-	6-37272-02-0-1
60	Sec clearance packer / TU-ON window run-up block	1	1	1	1	1	1	100	-	6-38807-00-0-1	
70	ADAGIO geared turn handle, lockable RC2/RC3	1	1	1	1	1	1	10	-	K-19821-00-0-1	
Accessories											
150	Packer plate for geared handle	for reinforcement of sash overlap	2	2	2	2	2	2	100	-	9-50091-00-0-8

* only with deep groove with groove width 13.6-15 and groove depth 5.5-7





RC3



RC3 Overviews of hardware sets

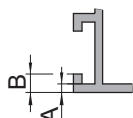
Tilt&Turn window with insertable gear


RC3

Continued on next page

Item	Description	Piece(s)									PU	Qty. in K-set	Article number	
		SW 710-1050			SW 1051-1200			SW 1201-1350						
		SH 850-1200	SH 1201-2200	SH 2201-2800	SH 860-1200	SH 1201-2200	SH 2201-2800	SH 860-1200	SH 1201-2200	SH 2201-2800				
	Insertable gear w/o M.D. RC2/RC3	1	1	1	1	1	1	1	1	1	10	-	K-19575-00-0-1	
12	Insertable gear RC w/o M.D.	1	1	1	1	1	1	1	1	1	-	1	6-39385-12-0-1	
16	Anti-drill plate for insertable gear	1	1	1	1	1	1	1	1	1	-	1	6-39081-01-0-0	
17	Counter plate	2	2	2	2	2	2	2	2	2	-	2	9-50034-00-0-8	
18	Cylinder head screw M4x8	2	2	2	2	2	2	2	2	2	-	2	9-13713-08-R-8	
	T&T set, central locking system	1	1	1	1	1	1	1	1	1	10	-	K-19054-00-0-1	
-	Handle connector-pin	-	-	-	-	-	-	-	-	-	-	1	6-37090-00-0-1	
22	Corner-drive with M.D.	1	1	1	1	1	1	1	1	1	-	1	6-37120-00-0-1	
26	Clamping bracket	1	1	1	1	1	1	1	1	1	-	1	9-48157-00-0-1	
29	T&T tilter	1	1	1	1	1	1	1	1	1	-	1	6-37258-00-0-1	
-	Run-up block, sash	-	-	-	-	-	-	-	-	-	-	1	9-40404-00-0-1	
34	T&T fanlight hinge	1	1	1	1	1	1	1	1	1	-	1	6-37441-00-0-1	
40	Corner drive CL	2	2	2	2	2	2	2	2	2	50	-	6-37266-00-0-1	
42	Packer for corner-drive LC *	2	2	2	2	2	2	2	2	2	100	-	9-48466-00-0-1	
45	Locking cam	-	2	4	-	2	4	2	4	6	100	-	6-37111-00-0-8	
48	Mushroom cam RC3	12	12	12	14	14	14	15	15	15	100	-	9-48458-00-0-8	
	Set of additional stays	-	-	-	-	-	-	-	-	-	10	-	K-19013-00-0-1	
50	Stay-arm, additional stay	-	-	-	-	-	-	-	-	-	-	1	6-37840-00-0-1	
51	Stay-guide, additional stay	-	-	-	-	-	-	-	-	-	-	1	6-37841-00-0-1	
52	Opening restrictor	only with hinge-side 610									-	1	6-38803-00-0-1	
55	Striker	for A=2.0	1	3	5	1	3	5	1	5	7	100	-	6-37261-01-0-1
		für A=1.5	1	3	5	1	3	5	1	5	7	100	-	6-37261-02-0-1
57	Sec striker 10/14	for frame groove 10/14	12	12	12	14	14	14	15	15	15	100	-	6-37254-10-0-8
	Sec striker 14/18	for frame groove 14/18, B=4.0	12	12	12	14	14	14	15	15	15	100	-	6-37254-14-0-8
		for frame groove 14/18, B=3.5	12	12	12	14	14	14	15	15	15	100	-	6-37254-15-0-8
59	T&T striker	for A=2.0	1	1	1	1	1	1	1	1	1	100	-	6-37272-01-0-1
		für A=1.5	1	1	1	1	1	1	1	1	1	100	-	6-37272-02-0-1
60	Sec clearance packer / TU-ON window run-up block		1	1	1	1	1	1	1	1	1	100	-	6-38807-00-0-1
82	MODENA-F/Z turn handle, lockable 100 Nm		1	1	1	1	1	1	1	1	1	10	-	6-34397-29-0-1
85	Countersunk screw M5x30		2	2	2	2	2	2	2	2	2	100	-	9-13255-30-0-1

* only with deep groove with groove width 13.6-15 and groove depth 5.5-7

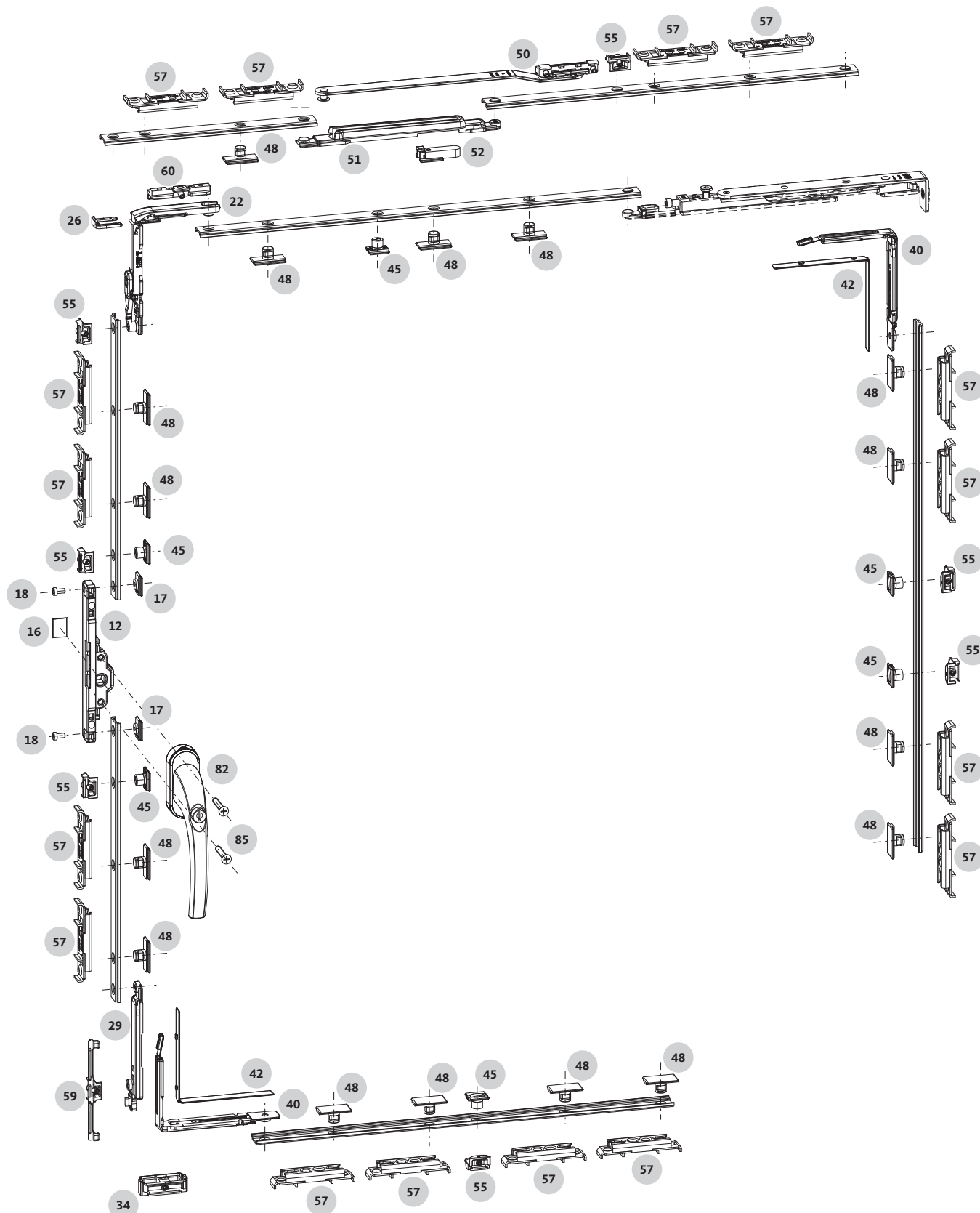


RC3 Overviews of hardware sets

Tilt&Turn window with insertable gear



RC3



RC3 Overviews of hardware sets

Tilt&Turn window with insertable gear

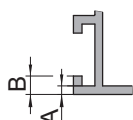


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RC3

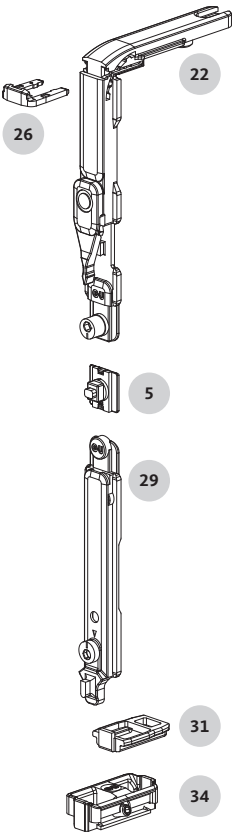
Item	Description	Piece(s)						PU	Qty. in K-set	Article number	
		SW 1351–1450			SW 1451–1700						
		SH 960–1200	SH 1201–2200	SH 2201–2800	SH 1040–1200	SH 1201–2200	SH 2201–2800				
	Insertable gear w/o M.D. RC2/RC3	1	1	1	1	1	1	10	–	K-19575-00-0-1	
12	Insertable gear RC w/o M.D.	1	1	1	1	1	1	–	1	6-39385-12-0-1	
16	Anti-drill plate for insertable gear	1	1	1	1	1	1	–	1	6-39081-01-0-0	
17	Counter plate	2	2	2	2	2	2	–	2	9-50034-00-0-8	
18	Cylinder head screw M4x8	2	2	2	2	2	2	–	2	9-13713-08-R-8	
	T&T set, central locking system	1	1	1	1	1	1	10	–	K-19054-00-0-1	
–	Handle connector-pin	–	–	–	–	–	–	–	1	6-37090-00-0-1	
22	Corner-drive with M.D.	1	1	1	1	1	1	–	1	6-37120-00-0-1	
26	Clamping bracket	1	1	1	1	1	1	–	1	9-48157-00-0-1	
29	T&T tilter	1	1	1	1	1	1	–	1	6-37258-00-0-1	
–	Run-up block, sash	–	–	–	–	–	–	–	1	9-40404-00-0-1	
34	T&T fanlight hinge	1	1	1	1	1	1	–	1	6-37441-00-0-1	
40	Corner drive CL	2	2	2	2	2	2	50	–	6-37266-00-0-1	
42	Packer for corner-drive LC *	2	2	2	2	2	2	100	–	9-48466-00-0-1	
45	Locking cam	2	4	6	2	4	6	100	–	6-37111-00-0-8	
48	Mushroom cam RC3	15	15	15	16	16	16	100	–	9-48458-00-0-8	
	Set of additional stays	1	1	1	1	1	1	10	–	K-19013-00-0-1	
50	Stay-arm, additional stay	1	1	1	1	1	1	–	1	6-37840-00-0-1	
51	Stay-guide, additional stay	1	1	1	1	1	1	–	1	6-37841-00-0-1	
52	Opening restrictor	only with hinge-side 610				1	1	1	–	1	6-38803-00-0-1
55	Striker	for A=2.0	3	5	7	3	5	75	100	–	6-37261-01-0-1
		für A=1.5	3	5	7	3	5	7	100	–	6-37261-02-0-1
57	Sec striker 10/14	for frame groove 10/14	15	15	15	16	16	16	100	–	6-37254-10-0-8
	Sec striker 14/18	for frame groove 14/18, B=4.0	15	15	15	16	16	16	100	–	6-37254-14-0-8
		for frame groove 14/18, B=3.5	15	15	15	16	16	16	100	–	6-37254-15-0-8
59	T&T striker	for A=2.0	1	1	1	1	1	1	100	–	6-37272-01-0-1
		für A=1.5	1	1	1	1	1	1	100	–	6-37272-02-0-1
60	Sec clearance packer / TU-ON window run-up block		1	1	1	1	1	1	100	–	6-38807-00-0-1
82	MODENA-F/Z turn handle, lockable 100 Nm		1	1	1	1	1	1	10	–	6-34397-29-0-1
85	Countersunk screw M5x30		2	2	2	2	2	2	100	–	9-13255-30-0-1

* only with deep groove with groove width 13.6–15 and groove depth 5.5–7



Individual components

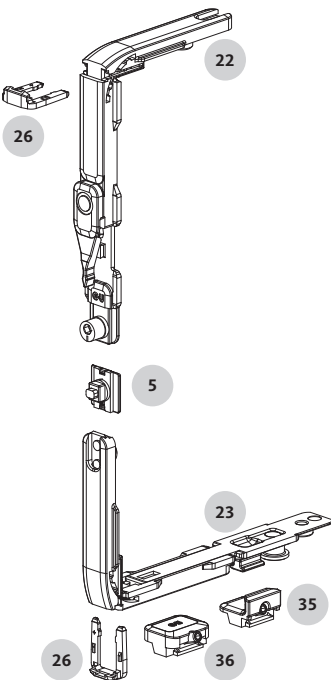
Central locking system set



T&T set, central locking system

Technical data		
Opening type	Tilt&Turn window	
DIN side of hinges	left right	
Frame groove [mm]	10/14 12/15 14/18	
Finish	ferGUard*silver	
Installation tool	hexagon socket size 2.5	
Adjusting tools	hexagon socket size 4	

	PU	Article number
	10	K-19054-00-0-1



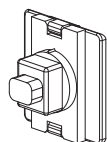
TF set, central locking system

Technical data		
Opening type	Tilt-First window	
DIN side of hinges	left right	
Frame groove [mm]	10/14 12/15 14/18	
Finish	ferGUard*silver	
Installation tool	hexagon socket size 2.5	
Adjusting tools	hexagon socket size 4	

	PU	Article number
	10	K-19084-00-0-1

Individual components

Connector for geared turn handle

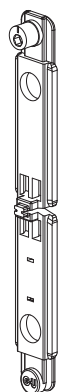


5

Handle connector-pin

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Installation tool	–

	PU	Article number
	100	6-37090-00-0-1

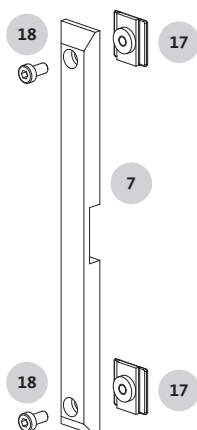


6

Connector for divided connecting rod

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Distance between engagement pins [mm]	140
Installation tool	–
Adjusting tools	hexagon socket size 4

	PU	Article number
	50	6-37257-00-0-1



7

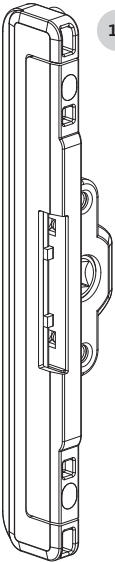
RC 2/RC 3 handle connector set

Technical data	
Version	only in conjunction with ADAGIO geared turn handle, lockable RC2/RC3 K-19821-00-0
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Burglar resistance class	RC2 RC3
Finish	ferGUard*silver
Distance between engagement pins [mm]	140
Installation tool	hexagon socket size 2.5

	PU	Article number
	10	K-19820-00-0-1

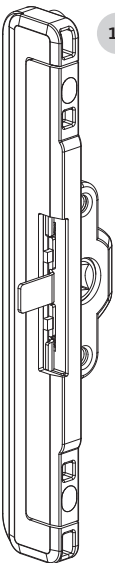
Individual components

Insertable gear / insertable lock



Insertable gear w/o M.D.

Technical data		
Version	without mishandling device	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window	
DIN side of hinges	left right	
Finish	ferGUard*silver	
Diameter of hole/engagement pin [mm]	10	
Backset [mm]	23	
Distance between engagement pins [mm]	140	
Distance between fixing holes [mm]	43	
	PU	Article number
	10	6-39385-00-0-1

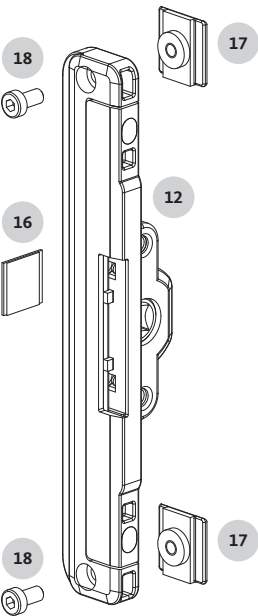


Insertable gear with M.D.

Technical data		
Version	with mishandling device	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window	
DIN side of hinges	left right	
Finish	ferGUard*silver	
Diameter of hole/engagement pin [mm]	10	
Backset [mm]	23	
Distance between engagement pins [mm]	140	
Distance between fixing holes [mm]	43	
	PU	Article number
	10	6-39384-00-0-1

Individual components

Insertable gear / insertable lock



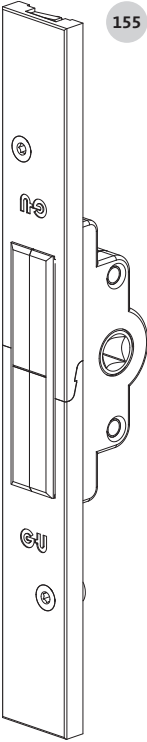
Insertable gear w/o M.D. RC2/RC3

Technical data	
Version	with anti-drill plate and screw connection to the connecting rod without mishandling device
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Burglar resistance class	RC2 RC3
Finish	ferGUard*silver
Diameter of hole/engagement pin [mm]	10
Backset [mm]	23
Distance between engagement pins [mm]	140
Distance between fixing holes [mm]	43

	PU	Article number
	10	K-19575-00-0-1

Individual components

Insertable gear / insertable lock

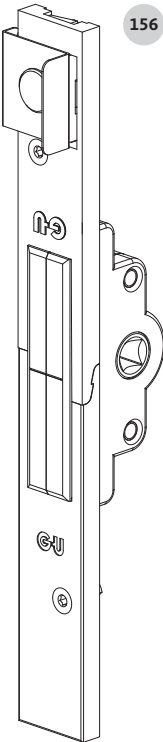


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Insertable gear w/o M.D.

Technical data	
Version	without mishandling device
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Diameter of hole/engagement pin [mm]	06
Distance between engagement pins [mm]	190
Distance between fixing holes [mm]	43

Backset [mm]	PU	Article number
36	10	6-25916-25-0-1
41	10	6-25916-30-0-1
46	10	6-25916-35-0-1
51	10	6-25916-40-0-1
56	10	6-25916-45-0-1
61	10	6-25916-50-0-1



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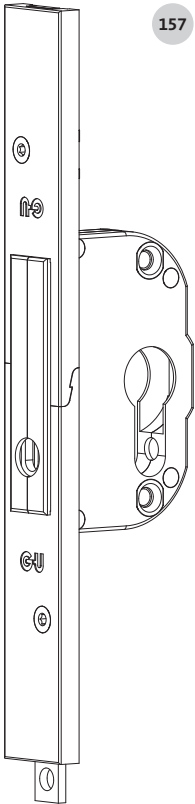
Insertable gear with M.D.

Technical data	
Version	with mishandling device
Opening type	Tilt&Turn window Tilt-First window
DIN side of hinges	left right
Finish	ferGUard*silver
Diameter of hole/engagement pin [mm]	06
Distance between engagement pins [mm]	190
Distance between fixing holes [mm]	43

Backset [mm]	PU	Article number
36	10	6-25917-25-0-1
41	10	6-25917-30-0-1
46	10	6-25917-35-0-1
56	10	6-25917-45-0-1

Individual components

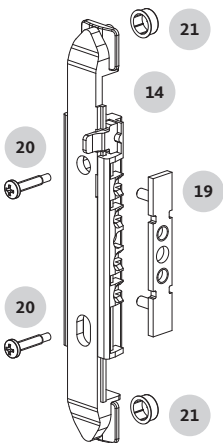
Insertable gear / insertable lock



Insertable lock for PC

Technical data	
Version	for profile cylinders
Opening type	Tilt&Turn window Tilt-First window Turn-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Diameter of hole/engagement pin [mm]	06
Distance between engagement pins [mm]	200
Distance between fixing holes [mm]	63

Backset [mm]	PU	Article number
36	10	6-25918-25-0-1
41	10	6-25918-30-0-1
46	10	6-25918-35-0-1
51	10	6-25918-40-0-1
56	10	6-25918-45-0-1
61	10	6-25918-50-0-1



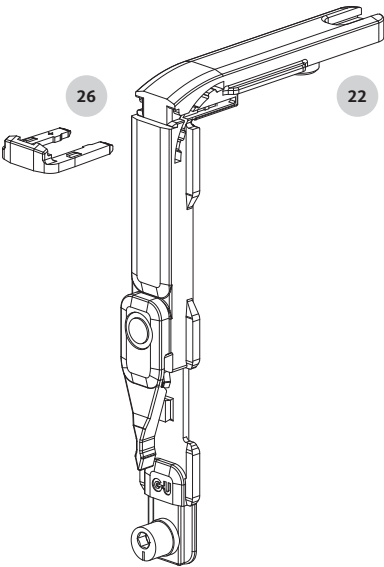
Insertable gear, rosette-free handle

Technical data	
Version	with mishandling device can only be used with turn handles without rosettes 6-40186, K-20048, K-20049
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Finish	EV1, silver
Diameter of hole/engagement pin [mm]	10
Backset [mm]	14.5
Distance between engagement pins [mm]	154
Distance between fixing holes [mm]	17

	PU	Article number
	10	K-20050-00-0-1

Individual components

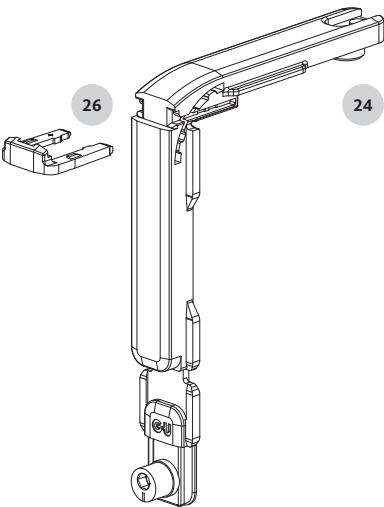
Corner-drive



Corner-drive with M.D.

Technical data	
Version	with mishandling device
Opening type	Tilt&Turn window Tilt-First window Turn-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Height of locking cam [mm]	6.5
Installation tool	–
Adjusting tools	hexagon socket size 4

	PU	Article number
	50	K-19772-00-0-1



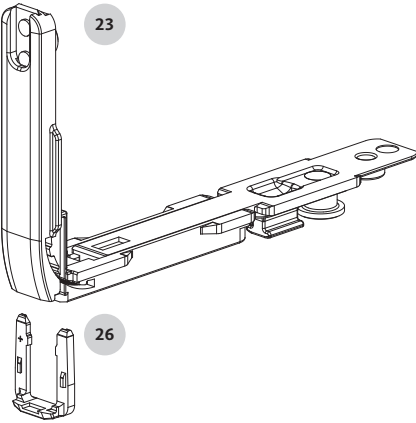
Corner-drive without M.D.

Technical data	
Version	without mishandling device
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Height of locking cam [mm]	6.5
Installation tool	–
Adjusting tools	hexagon socket size 4

	PU	Article number
Individual pack	50	K-19774-00-0-1
Multi-pack	50	K-19775-00-0-1

Individual components

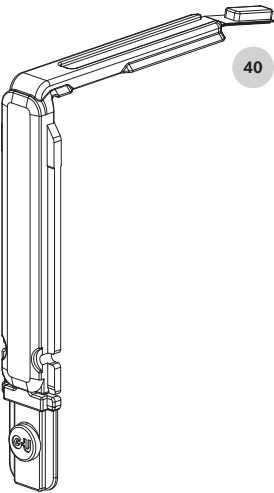
Corner-drive



Tilt corner-drive TF

Technical data	
Opening type	Tilt-First window
DIN side of hinges	left right
Finish	ferGUard*silver
Height of locking cam [mm]	6.7
Installation tool	–
Adjusting tools	hexagon socket size 4

	PU	Article number
	50	K-19773-00-0-1



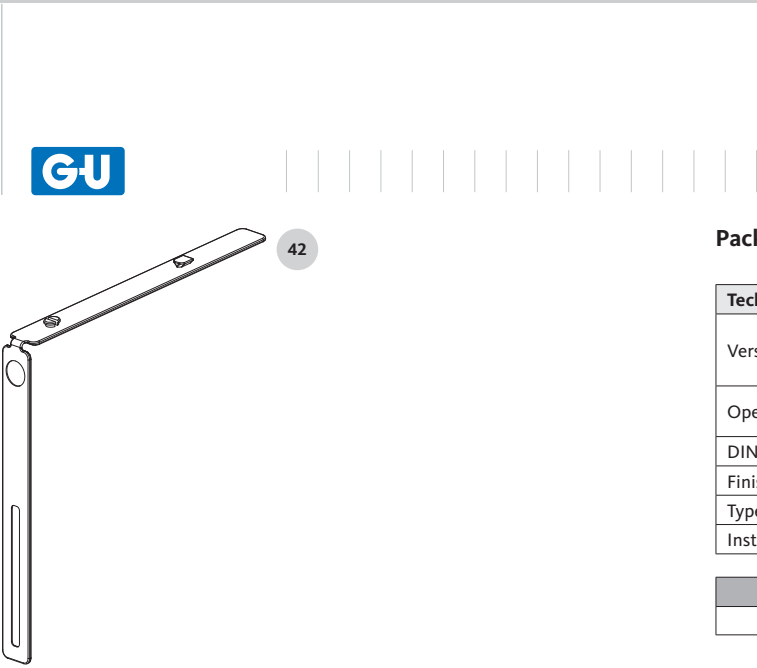
Corner drive CL

Technical data	
Version	for centre-lock
Opening type	Tilt&Turn window Tilt-First window Turn-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Installation tool	–

	PU	Article number
	50	6-37266-00-0-1

Individual components

Corner-drive



Packer for corner-drive LC

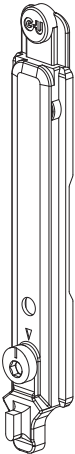
Technical data		
Version	for corner-drive MV 6-37266 only with deep groove with groove width 13.6–15 and groove depth 5.5–7	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window	
DIN side of hinges	left right	
Finish	grey	
Type of fixing	for clipping in	
Installation tool	–	
	PU	Article number
	100	9-48466-00-0-1

Individual components

Tilter



29



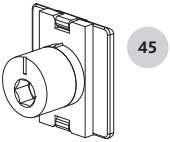
T&T tilter

Technical data	
Opening type	Tilt&Turn window Turn-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Installation tool	–
Adjusting tools	hexagon socket size 4

	PU	Article number
	50	6-37258-00-0-1

Individual components

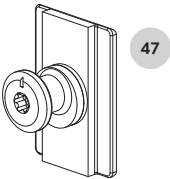
Locking cam



Locking cam

Technical data	
Version	for insertion
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	stainless steel
Height of locking cam [mm]	6.5
Installation tool	–
Adjusting tools	hexagon socket size 4

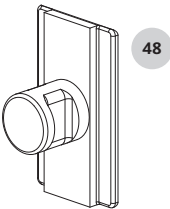
	PU	Article number
	100	6-37111-00-0-8



Mushroom cam RC 2

Technical data	
Version	for insertion
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	stainless steel
Height of locking cam [mm]	8.2
Installation tool	–
Adjusting tools	hexalobular internal T15

	PU	Article number
	100	6-37114-00-0-8



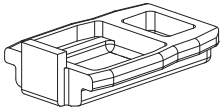
Mushroom cam RC3

Technical data	
Version	for insertion
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	stainless steel
Height of locking cam [mm]	8.2
Installation tool	–

	PU	Article number
	100	9-48458-00-0-8

Individual components

Run-up block, sash part



31

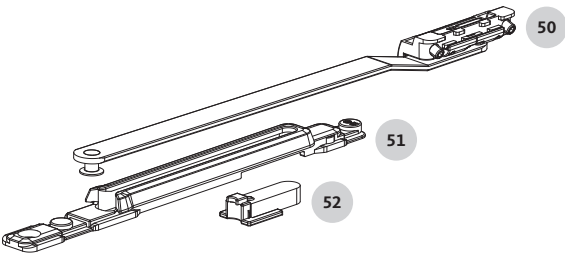
Run-up block, sash part

Technical data	
Opening type	Tilt&Turn window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	grey
Installation tool	–

	PU	Article number
	10	9-40404-00-0-1

Individual components

Additional stay



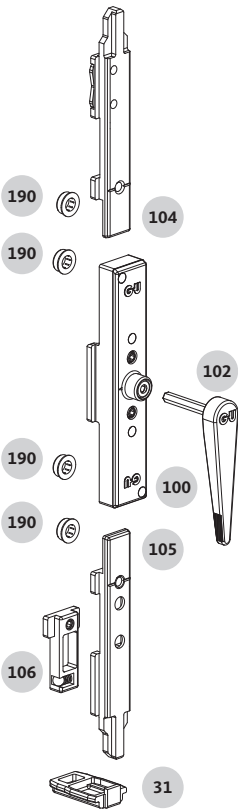
Set of additional stays

Technical data	
Opening type	Tilt&Turn window Tilt-First window
DIN side of hinges	left right
Finish	ferGUard*silver
Sash width min. [mm]	1351
Sash width max. [mm]	1700
Type of fixing	clampable
Installation tool	hexagon socket size 2.5

	PU	Article number
	10	K-19013-00-0-1

Individual components

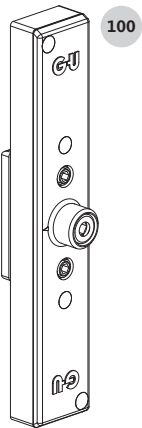
Hardware components for dummy mullion sash with central locking system in the sash groove (ST-FLN)



ST-FLN lever-operated gear set

Technical data	
Opening type	Dummy-mullion sash
For dummy mullion sash groove	ST-FLN
DIN side of hinges	left right
Finish	ferGUard*silver
Type of fixing	clampable
Installation tool	hexagon socket size 2.5

	PU	Article number
	10	K-19589-00-0-1



Lever-operated gear

Technical data	
Opening type	Dummy-mullion sash
For dummy mullion sash groove	ST-FLN
DIN side of hinges	left right
Finish	ferGUard*silver
Type of fixing	clampable
Installation tool	hexagon socket size 2.5

	PU	Article number
	10	6-24680-00-0-1

Individual components

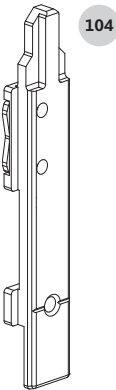
Hardware components for dummy mullion sash with central locking system in the sash groove (ST-FLN)



Hand lever

Technical data	
Version	for lever-operated gear 6-24680
Opening type	Dummy-mullion sash
For dummy mullion sash groove	ST-FLN
DIN side of hinges	left right
Finish	ferGUard*silver
Type of fixing	pluggable
Installation tool	-

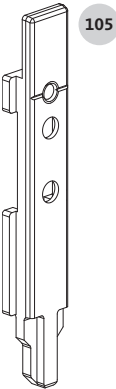
	PU	Article number
	10	6-23903-38-0-1



Top lock

Technical data	
Version	with glide brake
Opening type	Dummy-mullion sash
For dummy mullion sash groove	ST-FLN
DIN side of hinges	left right
Finish	ferGUard*silver
Installation tool	-

	PU	Article number
	10	G-17509-00-0-1



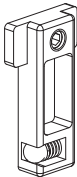
Bottom lock

Technical data	
Version	for bottom keeper G-12096
Opening type	Dummy-mullion sash
For dummy mullion sash groove	ST-FLN
DIN side of hinges	left right
Finish	ferGUard*silver
Installation tool	-

	PU	Article number
	10	E-12832-00-0-1

Individual components

Hardware components for dummy mullion sash
with central locking system in the sash groove (ST-FLN)



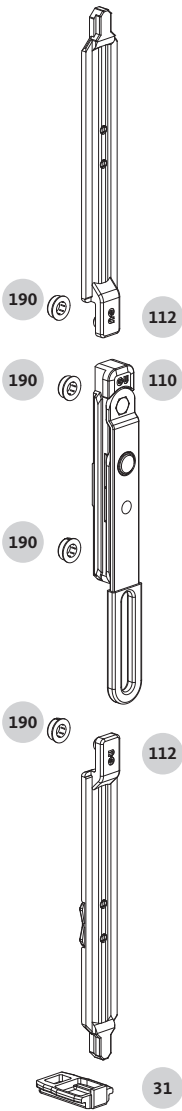
106

Bottom keeper

Technical data		
Version	for connecting-rod shoot-bolt E-12832	
Opening type	Dummy-mullion sash	
DIN side of hinges	left right	
Finish	ferGUard*silver	
Type of fixing	clampable	
Installation tool	hexagon socket size 2.5	
	PU	Article number
	10	G-12096-00-0-1

Individual components

Hardware components for dummy mullion sash
with central locking system in the double C groove (ST-DCN)



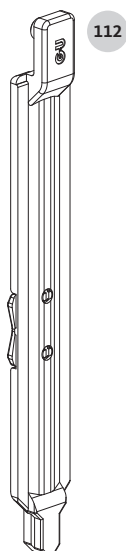
ST-DCN lever-operated gear set

Technical data		
Opening type	Dummy-mullion sash	
For dummy mullion sash groove	ST-DCN	
DIN side of hinges	left right	
Finish	ferGUard*silver	
Type of fixing	clampable	
Installation tool	hexagon socket size 2.5	

	PU	Article number
	10	K-19590-00-0-1

Individual components

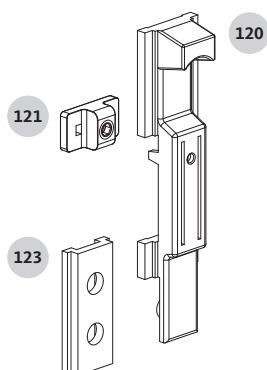
Hardware components for dummy mullion sash
with central locking system in the double C groove (ST-DCN)



Connecting-rod shoot-bolt

Technical data	
Opening type	Dummy-mullion sash
For dummy mullion sash groove	ST-DCN
DIN side of hinges	left right
Finish	ferGUard*silver
Installation tool	–

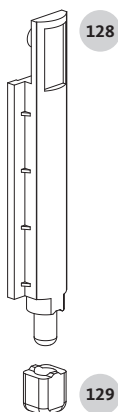
	PU	Article number
	10	6-31038-00-0-1



ST-DCN set of sliders

Technical data	
Opening type	Dummy-mullion sash
For dummy mullion sash groove	ST-DCN
DIN side of hinges	left right
Finish	grey
Type of fixing	clampable
Installation tool	hexagon socket size 2.5

	PU	Article number
	10	K-15816-00-0-1



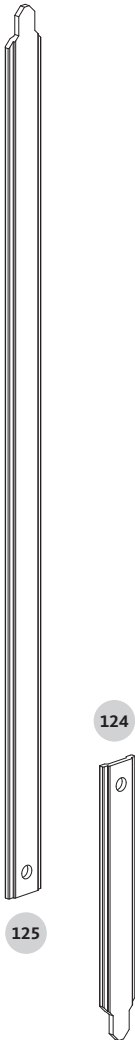
TU-ON + ST-DCN connecting-rod shoot-bolt set

Technical data	
Version	with pressure adjustment via CR shoot-bolt eccentric cap
Opening type	Turn-Only window Dummy-mullion sash
For dummy mullion sash groove	ST-DCN
DIN side of hinges	left right
Finish	grey
Installation tool	–
Adjusting tools	–

	PU	Article number
	10	K-15817-00-0-1

Individual components

Hardware components for dummy mullion sash
with central locking system in the double C groove (ST-DCN)



ST-DCN locking rod set

Technical data		
Opening type	Dummy-mullion sash	
For dummy mullion sash groove	ST-DCN	
DIN side of hinges	left right	
Finish	EV1, silver	
Installation tool	-	

	PU	Article number
	10	K-15818-00-0-1



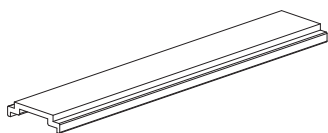
Connecting rod profile 15/20 ST-DCN

Technical data		
Opening type	Dummy-mullion sash	
For dummy mullion sash groove	ST-DCN	
DIN side of hinges	left right	
Finish	EV1, silver	
Length in [mm]	1600	

	PU	Article number
	10	9-40859-16-0-1

Individual components

Accessories



Connecting rod profile 15/20

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	EV1, silver
Length in [mm]	6000

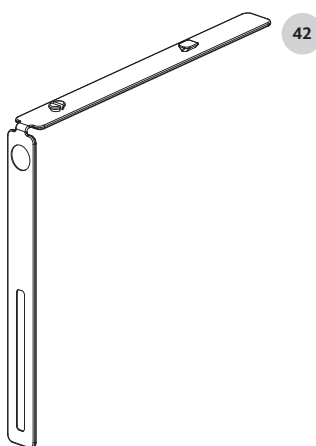
PU	Article number
10	P-01975-60-0-1



Adapter ring Ø6 to Ø10

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	black
Diameter of [mm]	6
Diameter [mm]	10
Installation tool	–

PU	Article number
100	9-48454-00-0-6



Packer for corner-drive LC

Technical data	
Version	for corner-drive MV 6-37266 only with deep groove with groove width 13.6–15 and groove depth 5.5–7
Opening type	Tilt&Turn window Tilt-First window Turn-Only window
DIN side of hinges	left right
Finish	grey
Type of fixing	for clipping in
Installation tool	–

PU	Article number
100	9-48466-00-0-1





ALU-JET 610 up to 80 kg sash weight

Tilt&Turn window	80
Tilt-First window	82
Turn-Only window	84
Individual components	86

ALU-JET 610 up to 130 kg sash weight

Tilt&Turn window	90
Tilt-First window	92
Turn-Only window	94
Individual components	96

ALU-JET S800 up to 300 kg sash weight

Turn-Only window	100
Turn-Only window / Tilt-Only window	101

ALU-JET 10 axial hinges

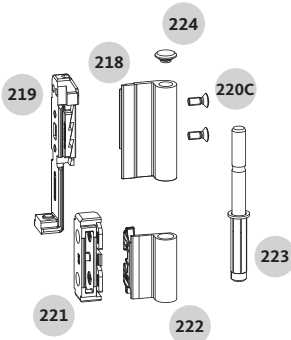
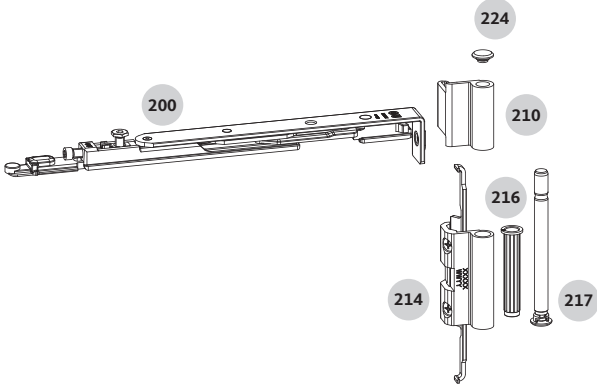
102

ALU-JET 610 up to 80 kg sash weight

Tilt&Turn window



kg
max. 80



ALU-JET 610 up to 80 kg sash weight

Tilt&Turn window



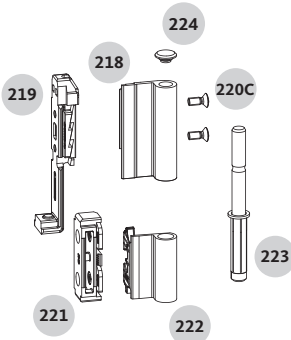
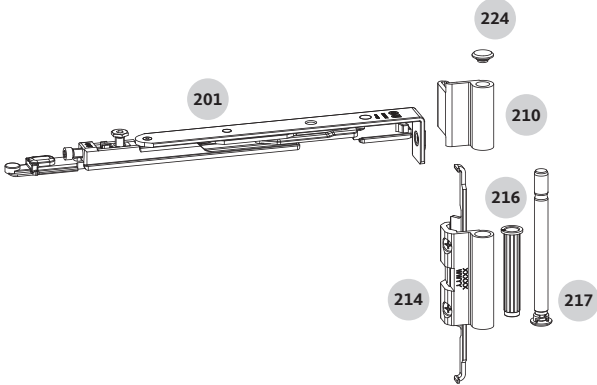
Item	Description	Piece(s)	PU	Qty. in K-set	Article number
		SH 500– 2400			

200	T&T stay	SW 410–700	1	10	–	K-18777-00-0-1
		SW 701–1000	1	10	–	K-18778-00-0-1
		SW 1001–1350	1	10	–	K-18779-00-0-1
		SW 1351–1700	1	10	–	K-18778-00-0-1

	Hinge-side set 10/14	Frame groove 10/14	1	10	–	K-16667-00-0-1
	Hinge-side set 12/15	Frame groove 12/15	1	10	–	K-16668-00-0-1
	Hinge-side set 14/18	Frame groove 14/18	1	10	–	K-15800-00-0-1
210	Stay-hinge		1	–	1	6-31088-00-0-1
214	Stay-bearing		1	–	1	6-30875-00-0-1
216	Bearing bush		1	–	1	9-39805-00-0-6
217	Stay-bearing pin		1	–	1	6-30874-00-0-6
218	Corner hinge		1	–	1	6-31073-00-0-1
219	Clamping bracket		1	–	1	6-30873-00-0-1
220C	Countersunk screw M5x14		2	–	2	9-13489-14-R-8
221	Pivot-rest casing	Frame groove 10/14	1	–	1	6-32055-00-0-1
		Frame groove 12/15	1	–	1	6-32056-00-0-1
		Frame groove 14/18	1	–	1	6-30872-00-0-1
222	Pivot-rest		1	–	1	9-39812-00-0-1
223	Pivot-rest pin		1	–	1	6-31087-00-0-6
224	Cover cap		2	–	2	9-39807-00-0-6

ALU-JET 610 up to 80 kg sash weight

Tilt-First window



ALU-JET 610 up to 80 kg sash weight

Tilt-First window



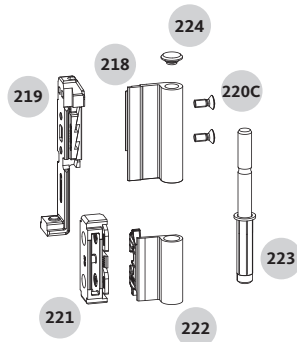
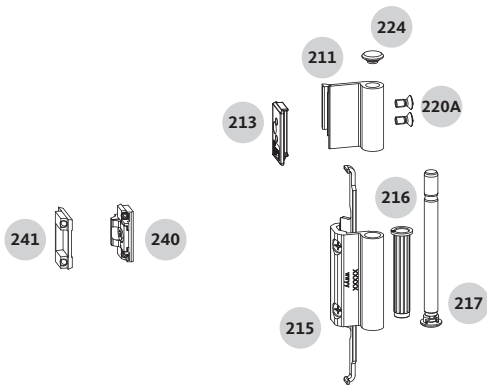
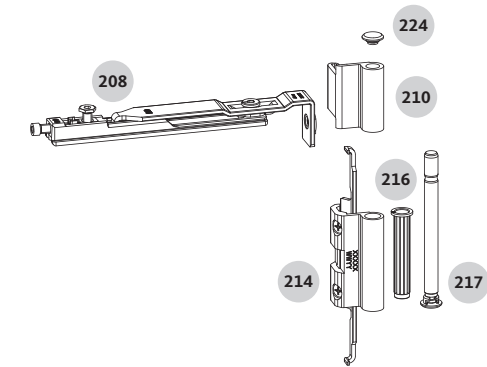
Item	Description	Piece(s)	PU	Qty. in K-set	Article number
		SH 500– 2400			

201	TF stay	SW 410–700	1	10	–	K-18780-00-0-1
		SW 701–1000	1	10	–	K-18781-00-0-1
		SW 1001–1350	1	10	–	K-18782-00-0-1
		SW 1351–1700	1	10	–	K-18781-00-0-1

	Hinge-side set 10/14	Frame groove 10/14	1	10	–	K-16667-00-0-1
	Hinge-side set 12/15	Frame groove 12/15	1	10	–	K-16668-00-0-1
	Hinge-side set 14/18	Frame groove 14/18	1	10	–	K-15800-00-0-1
210	Stay-hinge		1	–	1	6-31088-00-0-1
214	Stay-bearing		1	–	1	6-30875-00-0-1
216	Bearing bush		1	–	1	9-39805-00-0-6
217	Stay-bearing pin		1	–	1	6-30874-00-0-6
218	Corner hinge		1	–	1	6-31073-00-0-1
219	Clamping bracket		1	–	1	6-30873-00-0-1
220C	Countersunk screw M5x14		2	–	2	9-13489-14-R-8
221	Pivot-rest casing	Frame groove 10/14	1	–	1	6-32055-00-0-1
		Frame groove 12/15	1	–	1	6-32056-00-0-1
		Frame groove 14/18	1	–	1	6-30872-00-0-1
222	Pivot-rest		1	–	1	9-39812-00-0-1
223	Pivot-rest pin		1	–	1	6-31087-00-0-6
224	Cover cap		2	–	2	9-39807-00-0-6

ALU-JET 610 up to 80 kg sash weight

Turn-Only window



ALU-JET 610 up to 80 kg sash weight

Turn-Only window



Item	Description	Piece(s)			PU	Qty. in K-set	Article number
		SH 280-1200	SH 1201-2200	SH 2201-2400			

208	Turn-Only stay-arm	SW 220-1700	1	1	1	10	-	6-31064-12-0-1
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	Hinge-side set 10/14	Frame groove 10/14	1	1	1	10	-	K-16667-00-0-1
	Hinge-side set 12/15	Frame groove 12/15	1	1	1	10	-	K-16668-00-0-1
	Hinge-side set 14/18	Frame groove 14/18	1	1	1	10	-	K-15800-00-0-1
210	Stay-hinge		1	1	1	-	1	6-31088-00-0-1
214	Stay-bearing		1	1	1	-	1	6-30875-00-0-1
216	Bearing bush		1	1	1	-	1	9-39805-00-0-6
217	Stay-bearing pin		1	1	1	-	1	6-30874-00-0-6
218	Corner hinge		1	1	1	-	1	6-31073-00-0-1
219	Clamping bracket		1	1	1	-	1	6-30873-00-0-1
220C	Countersunk screw M5x14		2	2	2	-	2	9-13489-14-R-8
221	Pivot-rest casing	Frame groove 10/14	1	1	1	-	1	6-32055-00-0-1
		Frame groove 12/15	1	1	1	-	1	6-32056-00-0-1
		Frame groove 14/18	1	1	1	-	1	6-30872-00-0-1
222	Pivot-rest		1	1	1	-	1	9-39812-00-0-1
223	Pivot-rest pin		1	1	1	-	1	6-31087-00-0-6
224	Cover cap		2	2	2	-	2	9-39807-00-0-6

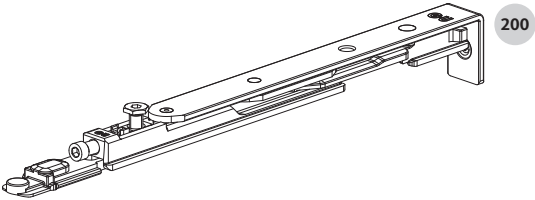
	Centre-closer set 10/14	Frame groove 10/14	-	1	2	10	-	G-13527-00-0-1
	Centre-closer set 14/18	Frame groove 14/18	-	1	2	10	-	G-13529-00-0-1
240	Centre-closer, frame part	Frame groove 10/14	-	1	2	-	1	G-13451-00-0-1
		Frame groove 14/18	-	1	2	-	1	G-13452-00-0-1
241	Centre-closer, sash part		-	1	2	-	1	G-13450-00-0-1

Alternative

	Centre-closer set	Frame groove 10/14, 12/15, 14/18	-	1	2	10	-	K-16897-00-0-1
211	Side hung hinge		-	1	2	-	1	6-32249-00-0-1
213	Clamping plate		-	1	2	-	1	9-42376-02-0-1
215	Stay-bearing		-	1	2	-	1	6-31591-18-0-1
216	Bearing bush		-	1	2	-	1	9-39805-00-0-6
217	Stay-bearing pin		-	1	2	-	1	6-30874-00-0-6
220A	Countersunk screw M5x10		-	2	4	-	2	9-13489-10-R-8
224	Cover cap		-	1	2	-	1	9-39807-00-0-6

ALU-JET 610 up to 80 kg sash weight

Individual components

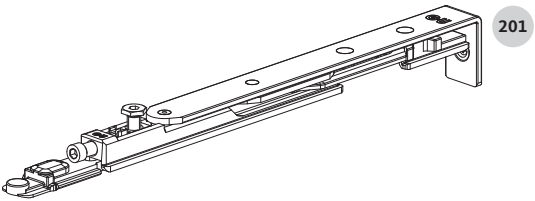


T&T stay

Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window
DIN side of hinges	left right
Finish	ferGUard*silver
Maximum sash weight [kg]	130
Opening angle [°]	180
Installation tool	hexagon socket size 4 Philips PH2
Adjusting tools	hexagon socket size 4

Sash width min. [mm]	Sash width max. [mm]	PU	Article number
410	700	10	K-18777-00-0-1
701	1000 *	10	K-18778-00-0-1
1001	1350	10	K-18779-00-0-1

* sash width 1351–1700 mm with additional stay K-19013, see chapter Central locking systems



TF stay

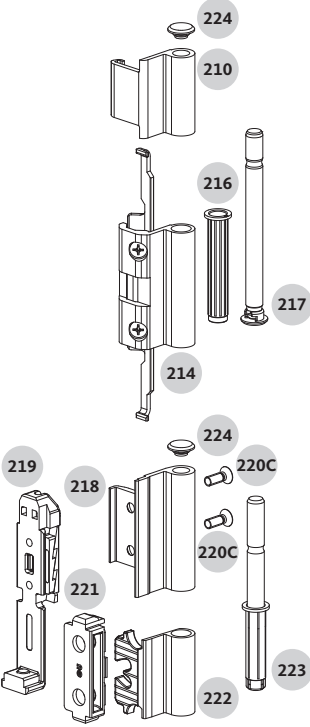
Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt-First window
DIN side of hinges	left right
Finish	ferGUard*silver
Maximum sash weight [kg]	130
Opening angle [°]	180
Installation tool	hexagon socket size 4 Philips PH2
Adjusting tools	hexagon socket size 4

Sash width min. [mm]	Sash width max. [mm]	PU	Article number
410	700	10	K-18780-00-0-1
701	1000 *	10	K-18781-00-0-1
1001	1350	10	K-18782-00-0-1

* sash width 1351–1700 mm with additional stay K-19013, see chapter Central locking systems

ALU-JET 610 up to 80 kg sash weight

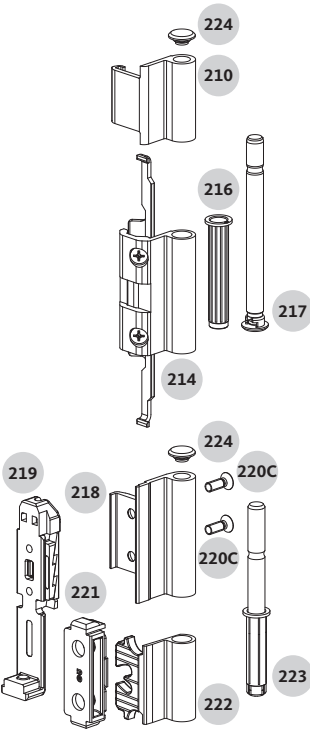
Individual components



Hinge-side set 10/14

Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	80
Opening angle [°]	180
Frame groove [mm]	10/14
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

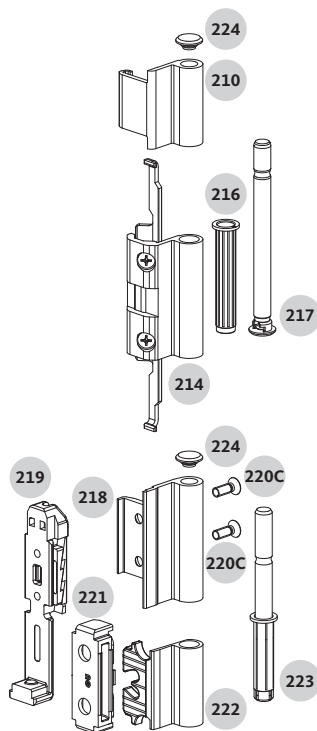
Finish	PU	Article number
EV1, silver	10	K-16667-00-0-1
traffic white	10	K-16667-00-0-7



Hinge-side set 12/15

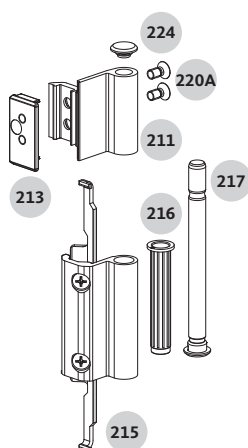
Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	80
Opening angle [°]	180
Frame groove [mm]	12/15
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

Finish	PU	Article number
EV1, silver	10	K-16668-00-0-1
black	10	K-16668-00-0-6



Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	80
Opening angle [°]	180
Frame groove [mm]	14/18
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

Finish	PU	Article number
untreated	10	K-15800-00-0-0
EV1, silver	10	K-15800-00-0-1
black	10	K-15800-00-0-6
traffic white	10	K-15800-00-0-7
special colour available on request	10	K-15800-00-0-9

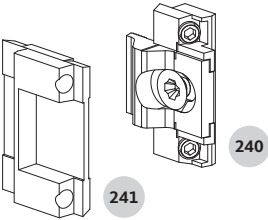


Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	130
Opening angle [°]	180
Frame groove [mm]	10/14 12/15 14/18
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

Finish	PU	Article number
untreated	10	K-16897-00-0-0
EV1, silver	10	K-16897-00-0-1
special colour available on request	10	K-16897-00-0-9

ALU-JET 610 up to 80 kg sash weight

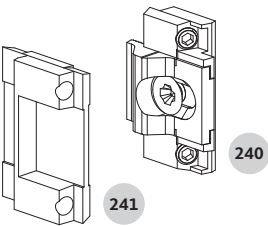
Individual components



Centre-closer set 10/14

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove [mm]	10/14
Installation tool	hexagon socket size 2.5
Adjusting tools	Philips PH 2

	PU	Article number
	10	G-13527-00-0-1



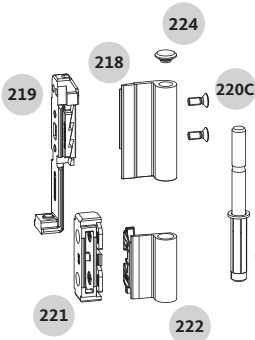
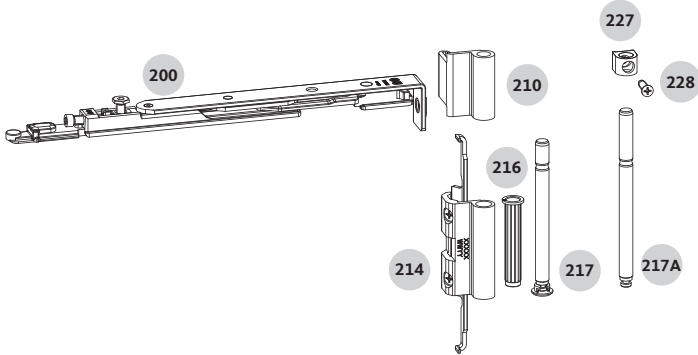
Centre-closer set 14/18

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove [mm]	14/18
Installation tool	hexagon socket size 2.5
Adjusting tools	Philips PH 2

	PU	Article number
	10	G-13529-00-0-1

ALU-JET 610 up to 130 kg sash weight

Tilt&Turn window



ALU-JET 610 up to 130 kg sash weight

Tilt&Turn window



Item	Description	Piece(s)	PU	Qty. in K-set	Article number
		SH 500–2800			

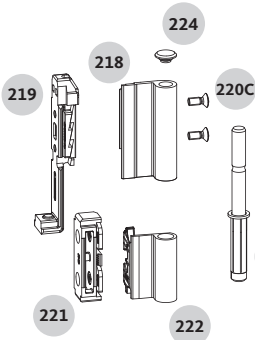
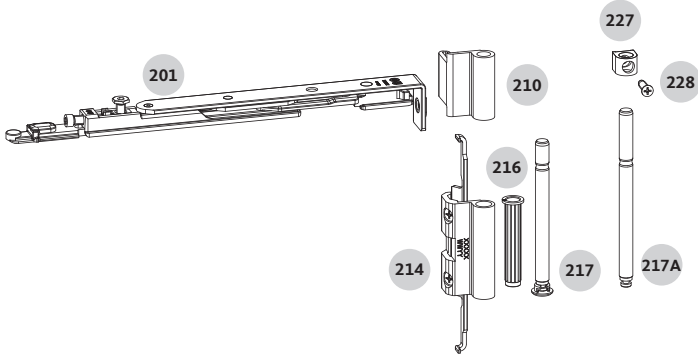
200	T&T stay	SW 410–700	1	10	–	K-18777-00-0-1
		SW 701–1000	1	10	–	K-18778-00-0-1
		SW 1001–1350	1	10	–	K-18779-00-0-1
		SW 1351–1700	1	10	–	K-18778-00-0-1

	Hinge-side set 10/14	Frame groove 10/14	1	10	–	K-16667-00-0-1
	Hinge-side set 12/15	Frame groove 12/15	1	10	–	K-16668-00-0-1
	Hinge-side set 14/18	Frame groove 14/18	1	10	–	K-15800-00-0-1
210	Stay-hinge		1	–	1	6-31088-00-0-1
214	Stay-bearing		1	–	1	6-30875-00-0-1
216	Bearing bush		1	–	1	9-39805-00-0-6
217	Stay-bearing pin		1	–	1	6-30874-00-0-6
218	Corner hinge		1	–	1	6-31073-00-0-1
219	Clamping bracket		1	–	1	6-30873-00-0-1
220C	Countersunk screw M5x14		2	–	2	9-13489-14-R-8
221	Pivot-rest casing	Frame groove 10/14	1	–	1	6-32055-00-0-1
		Frame groove 12/15	1	–	1	6-32056-00-0-1
		Frame groove 14/18	1	–	1	6-30872-00-0-1
222	Pivot-rest		1	–	1	9-39812-00-0-1
223	Pivot-rest pin		1	–	1	6-31087-00-0-6
224	Cover cap		1	–	2	9-39807-00-0-6

	Set of additional parts, hinge-side	Frame groove 10/14, 12/15, 14/18	1	10	–	K-16595-00-0-1
217A	Stay-bearing pin, long		1	–	1	9-39809-01-0-8
227	Stay-bearing support		1	–	1	9-41710-00-0-1
228	Countersunk screw M5x16		1	–	1	9-33841-16-R-8

ALU-JET 610 up to 130 kg sash weight

Tilt-First window



ALU-JET 610 up to 130 kg sash weight

Tilt-First window



Item	Description	Piece(s)	PU	Qty. in K-set	Article number
		SH 500–2800			

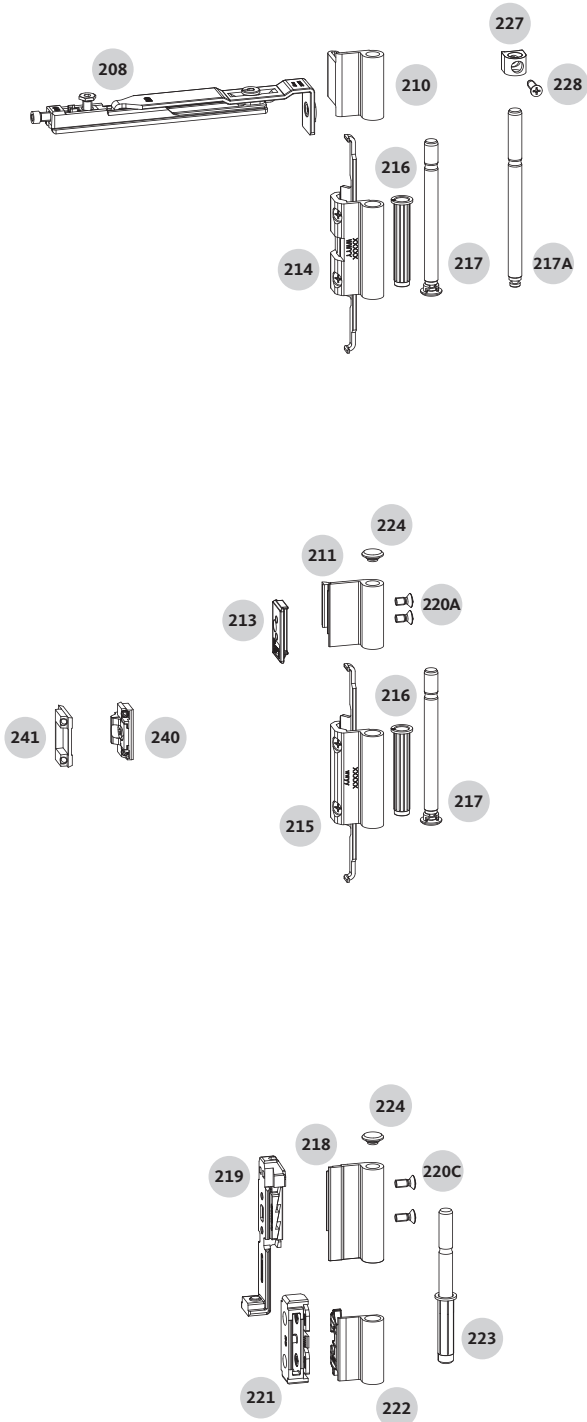
201	TF stay	SW 410–700	1	10	–	K-18780-00-0-1
		SW 701–1000	1	10	–	K-18781-00-0-1
		SW 1001–1350	1	10	–	K-18782-00-0-1
		SW 1351–1700	1	10	–	K-18781-00-0-1

	Hinge-side set 10/14	Frame groove 10/14	1	10	–	K-16667-00-0-1
	Hinge-side set 12/15	Frame groove 12/15	1	10	–	K-16668-00-0-1
	Hinge-side set 14/18	Frame groove 14/18	1	10	–	K-15800-00-0-1
210	Stay-hinge		1	–	1	6-31088-00-0-1
214	Stay-bearing		1	–	1	6-30875-00-0-1
216	Bearing bush		1	–	1	9-39805-00-0-6
217	Stay-bearing pin		1	–	1	6-30874-00-0-6
218	Corner hinge		1	–	1	6-31073-00-0-1
219	Clamping bracket		1	–	1	6-30873-00-0-1
220C	Countersunk screw M5x14		2	–	2	9-13489-14-R-8
221	Pivot-rest casing	Frame groove 10/14	1	–	1	6-32055-00-0-1
		Frame groove 12/15	1	–	1	6-32056-00-0-1
		Frame groove 14/18	1	–	1	6-30872-00-0-1
222	Pivot-rest		1	–	1	9-39812-00-0-1
223	Pivot-rest pin		1	–	1	6-31087-00-0-6
224	Cover cap		1	–	2	9-39807-00-0-6

	Set of additional parts, hinge-side	Frame groove 10/14, 12/15, 14/18	1	10	–	K-16595-00-0-1
217A	Stay-bearing pin, long		1	–	1	9-39809-01-0-8
227	Stay-bearing support		1	–	1	9-41710-00-0-1
228	Countersunk screw M5x16		1	–	1	9-33841-16-R-8

ALU-JET 610 up to 130 kg sash weight

Turn-Only window



ALU-JET 610 up to 130 kg sash weight

Turn-Only window



Item	Description	Piece(s)			PU	Qty. in K-set	Article number
		Turn-Only window					
		SH 280-1200	SH 1201-2200	SH 2201-2800			

208	Turn-Only stay-arm		1	1	1	10	-	6-31064-12-0-1
	Hinge-side set 10/14	Frame groove 10/14	1	1	1	10	-	K-16667-00-0-1
	Hinge-side set 12/15	Frame groove 12/15	1	1	1	10	-	K-16668-00-0-1
	Hinge-side set 14/18	Frame groove 14/18	1	1	1	10	-	K-15800-00-0-1
210	Stay-hinge		1	1	1	-	1	6-31088-00-0-1
214	Stay-bearing		1	1	1	-	1	6-30875-00-0-1
216	Bearing bush		1	1	1	-	1	9-39805-00-0-6
217	Stay-bearing pin		1	1	1	-	1	6-30874-00-0-6
218	Corner hinge		1	1	1	-	1	6-31073-00-0-1
219	Clamping bracket		1	1	1	-	1	6-30873-00-0-1
220C	Countersunk screw M5x14		2	2	2	-	2	9-13489-14-R-8
221	Pivot-rest casing	Frame groove 10/14	1	1	1	-	1	6-32055-00-0-1
		Frame groove 12/15	1	1	1	-	1	6-32056-00-0-1
		Frame groove 14/18	1	1	1	-	1	6-30872-00-0-1
222	Pivot-rest		1	1	1	-	1	9-39812-00-0-1
223	Pivot-rest pin		1	1	1	-	1	6-31087-00-0-6
224	Cover cap		1	1	1	-	2	9-39807-00-0-6

	Set of additional parts, hinge-side	1	1	1	10	-	K-16595-00-0-1
217A	Stay-bearing pin, long	1	1	1	-	1	9-39809-01-0-8
227	Stay-bearing support	1	1	1	-	1	9-41710-00-0-1
228	Countersunk screw M5x16	1	1	1	-	1	9-33841-16-R-8

	Centre-closer set 10/14	Frame groove 10/14	–	1	2	10	–	G-13527-00-0-1
	Centre-closer set 14/18	Frame groove 14/18	–	1	2	10	–	G-13529-00-0-1
240	Centre-closer, frame part	Frame groove 10/14	–	1	2	–	1	G-13451-00-0-1
		Frame groove 14/18	–	1	2	–	1	G-13452-00-0-1
241	Centre-closer, sash part		–	1	2	–	1	G-13450-00-0-1

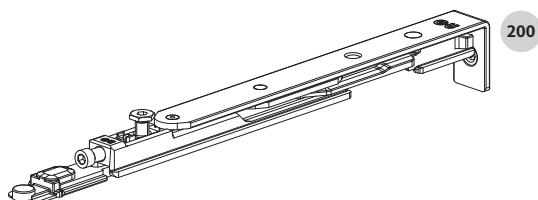
Alternative

	Centre-closer set	-	1	2	10	-	K-16897-00-0-1
211	Side hung hinge	-	1	2	-	1	6-32249-00-0-1
213	Clamping plate	-	1	2	-	1	9-42376-02-0-1
215	Stay-bearing	-	1	2	-	1	6-31591-18-0-1
216	Bearing bush	-	1	2	-	1	9-39805-00-0-6
217	Stay-bearing pin	-	1	2	-	1	6-30874-00-0-6
220A	Countersunk screw M5x10	-	2	4	-	2	9-13489-10-R-8
224	Cover cap	-	1	2	-	1	9-39807-00-0-6

For additional versions and finishes, see page 96 onwards

ALU-JET 610 up to 130 kg sash weight

Individual components



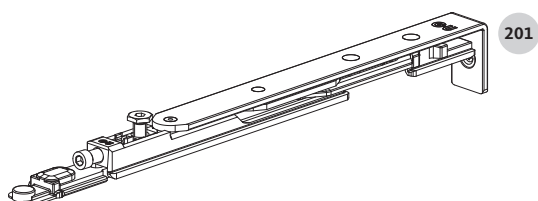
200

T&T stay

Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window
DIN side of hinges	left right
Finish	ferGUard*silver
Maximum sash weight [kg]	130
Opening angle [°]	180
Installation tool	hexagon socket size 4 Philips PH2
Adjusting tools	hexagon socket size 4

Sash width min. [mm]	Sash width max. [mm]	PU	Article number
410	700	10	K-18777-00-0-1
701	1000 *	10	K-18778-00-0-1
1001	1350	10	K-18779-00-0-1

* sash width 1351–1700 mm with additional stay K-19013, see chapter Central locking systems



201

TF stay

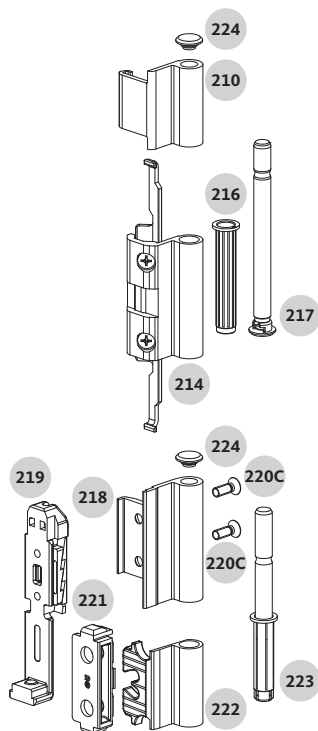
Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt-First window
DIN side of hinges	left right
Finish	ferGUard*silver
Maximum sash weight [kg]	130
Opening angle [°]	180
Installation tool	hexagon socket size 4 Philips PH2
Adjusting tools	hexagon socket size 4

Sash width min. [mm]	Sash width max. [mm]	PU	Article number
410	700	10	K-18780-00-0-1
701	1000 *	10	K-18781-00-0-1
1001	1350	10	K-18782-00-0-1

* sash width 1351–1700 mm with additional stay K-19013, see chapter Central locking systems

ALU-JET 610 up to 130 kg sash weight

Individual components

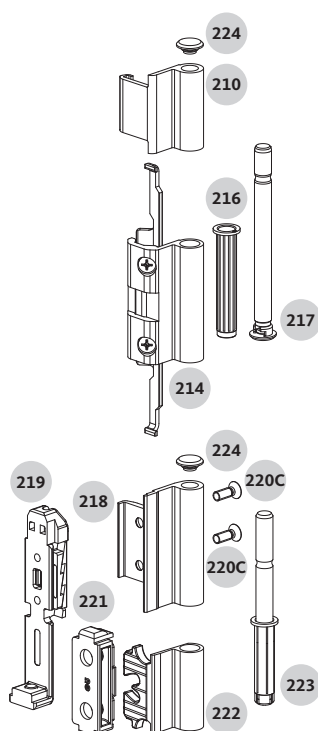


Hinge-side set 10/14

Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	80 *
Opening angle [°]	180
Frame groove [mm]	10/14
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

Finish	PU	Article number
EV1, silver	10	K-16667-00-0-1
traffic white	10	K-16667-00-0-7

* 130 kg in combination with set of additional parts for hinge-side K-16595



Hinge-side set 12/15

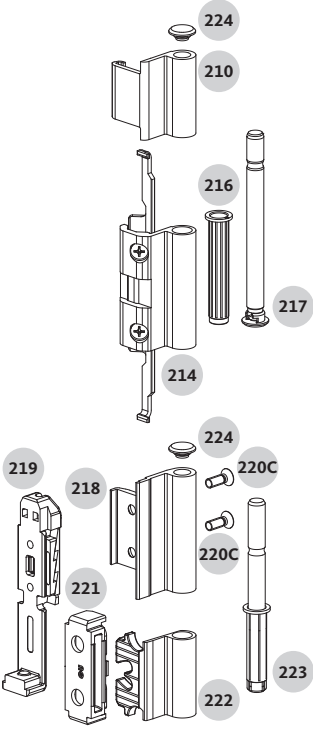
Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	80 *
Opening angle [°]	180
Frame groove [mm]	12/15
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

Finish	PU	Article number
EV1, silver	10	K-16668-00-0-1
black	10	K-16668-00-0-6

* 130 kg in combination with set of additional parts for hinge-side K-16595

ALU-JET 610 up to 130 kg sash weight

Individual components

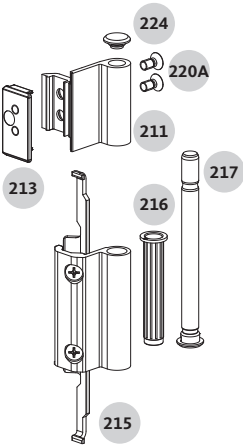


Hinge-side set 14/18

Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	80 *
Opening angle [°]	180
Frame groove [mm]	14/18
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

Finish	PU	Article number
untreated	10	K-15800-00-0-0
EV1, silver	10	K-15800-00-0-1
black	10	K-15800-00-0-6
traffic white	10	K-15800-00-0-7
special colour available on request	10	K-15800-00-0-9

* 130 kg in combination with set of additional parts for hinge-side K-16595



Centre-closer set

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	130
Opening angle [°]	180
Frame groove [mm]	10/14 12/15 14/18
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

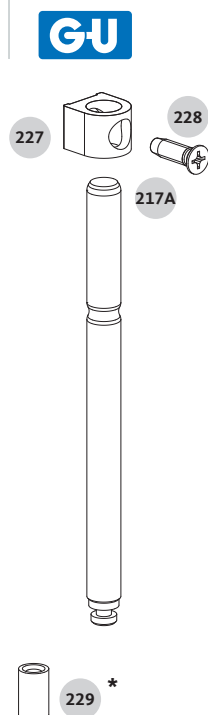
Finish	PU	Article number
untreated	10	K-16897-00-0-0
EV1, silver	10	K-16897-00-0-1
special colour available on request	10	K-16897-00-0-9

ALU-JET 610 up to 130 kg sash weight

Individual components



kg
max. 130

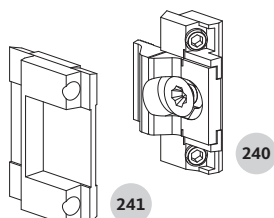


Set of additional parts, hinge-side

Technical data	
Hinge-side type	surface-mounted
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	130
Opening angle [°]	180
Frame groove [mm]	10/14 12/15 14/18
Type of fixing	screw-on
Installation tool	Philips PH 2

Finish	PU	Article number
untreated	10	K-16595-00-0-0
EV1, silver	10	K-16595-00-0-1
black	10	K-16595-00-0-6
traffic white	10	K-16595-00-0-7
special colour available on request	10	K-16595-00-0-9

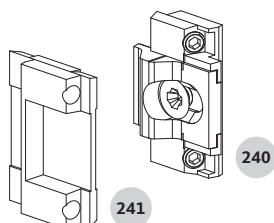
* Item 229 is not required with ALU-JET 10



Centre-closer set 10/14

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove [mm]	10/14
Installation tool	hexagon socket size 2.5
Adjusting tools	Philips PH 2

PU	Article number
10	G-13527-00-0-1



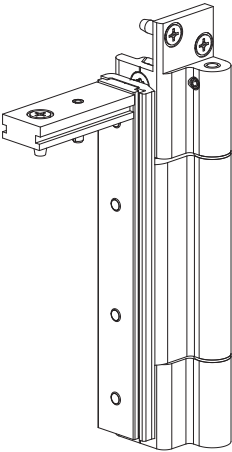
Centre-closer set 14/18

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove [mm]	14/18
Installation tool	hexagon socket size 2.5
Adjusting tools	Philips PH 2

PU	Article number
10	G-13529-00-0-1

ALU-JET S800 up to 300 kg sash weight

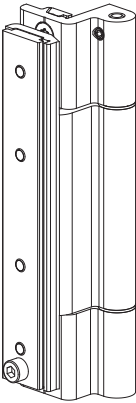
Turn-Only window



Set TU-ON hinge top

Technical data	
Opening type	Turn-Only window Dummy-mullion sash
Maximum sash weight [kg]	300
Opening angle [°]	180
Frame groove [mm]	10/14 12/15 14/18
Hinge-passage min. [mm]	7
Type of fixing	clampable screw-fixed

DIN side of hinges	Finish	PU	Article number
left	EV1, silver	10	K-19240-00-L-1
	traffic white	10	K-19240-00-L-7
	special colour available on request	10	K-19240-00-L-9
right	EV1, silver	10	K-19240-00-R-1
	traffic white	10	K-19240-00-R-7
	special colour available on request	10	K-19240-00-R-9



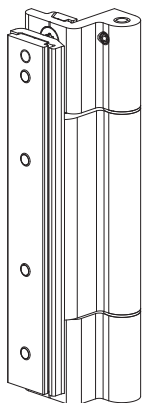
Set TU-ON hinge bottom

Technical data	
Opening type	Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	300
Opening angle [°]	180
Frame groove [mm]	10/14 12/15 14/18
Hinge-passage min. [mm]	7
Type of fixing	clampable screw-fixed

Finish	PU	Article number
EV1, silver	10	K-19241-00-0-1
traffic white	10	K-19241-00-0-7
special colour available on request	10	K-19241-00-0-9

ALU-JET S800 up to 300 kg sash weight

Turn-Only window / Tilt-Only window

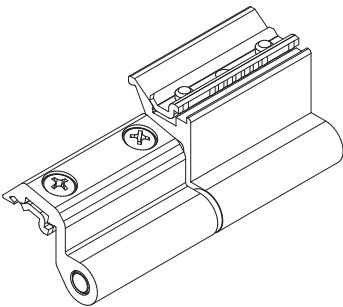


TU-ON centre-hinge set

Technical data	
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	300
Opening angle [°]	180
Frame groove [mm]	10/14 12/15 14/18
Hinge-passage min. [mm]	7
Type of fixing	clampable screw-fixed

Finish	PU	Article number
EV1, silver	10	K-19242-00-0-1
traffic white	10	K-19242-00-0-7
special colour available on request	10	K-19242-00-0-9

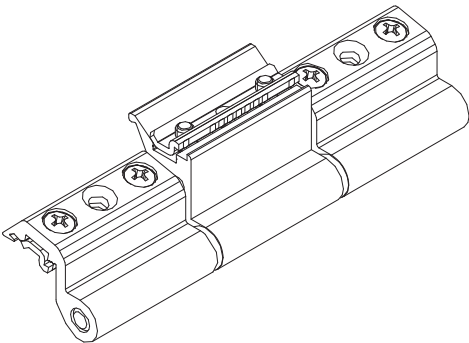
ALU-JET 10 axial hinges



Axial hinge, 2-part, 10/14-14/18

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Dummy-mullion sash
Maximum sash weight [kg]	80
Opening angle [°]	180
Frame groove [mm]	10/14 12/15 14/18
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	Philips PH 2

DIN side of hinges	Finish	PU	Article number
left right	untreated	10	G-24885-00-0-0
right	EV1, silver	10	G-24885-00-R-1
	black	10	G-24885-00-R-6
	traffic white	10	G-24885-00-R-7
left	EV1, silver	10	G-24885-00-L-1
	black	10	G-24885-00-L-6
	traffic white	10	G-24885-00-L-7

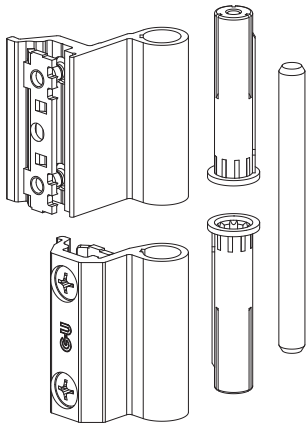


Axial hinge, 3-part, 10/14-14/18

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	100
Opening angle [°]	180
Frame groove [mm]	10/14 12/15 14/18
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	Philips PH 2

Finish	PU	Article number
untreated	10	G-24886-00-0-0
EV1, silver	10	G-24886-00-0-1
dark bronze	10	G-24886-00-0-5
black	10	G-24886-00-0-6
traffic white	10	G-24886-00-0-7
white	10	G-24886-00-0-7T

ALU-JET 10 axial hinges



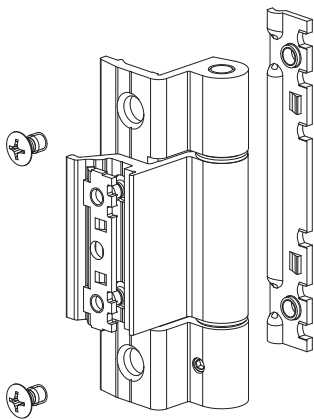
Axial hinge, 2-part, 14/18

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	85 *
Opening angle [°]	180
Frame groove [mm]	14/18
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	Philips PH 2

Finish	PU	Article number
untreated	10	K-15820-00-0-0
EV1, silver	10	K-15820-00-0-1
black	10	K-15820-00-0-6
traffic white	10	K-15820-00-0-7

* 2 axial hinges/sash: sash weight up to 75 kg

3 axial hinges/sash: sash weight up to 85 kg



Axial hinge, 3-part, 14/18

Technical data	
Hinge-side type	surface-mounted
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Maximum sash weight [kg]	100 *
Opening angle [°]	180
Frame groove [mm]	14/18
Hinge-passage min. [mm]	3
Type of fixing	clampable
Installation tool	hexagon socket size 2.5 Philips PH2

Finish	PU	Article number
EV1, silver	10	K-15887-00-0-1
black	10	K-15887-00-0-6
traffic white	10	K-15887-00-0-7

* 2 axial hinges/sash: sash weight up to 80 kg

3 axial hinges/sash: sash weight up to 100 kg





ALU-JET CC610 up to 150 kg sash weight

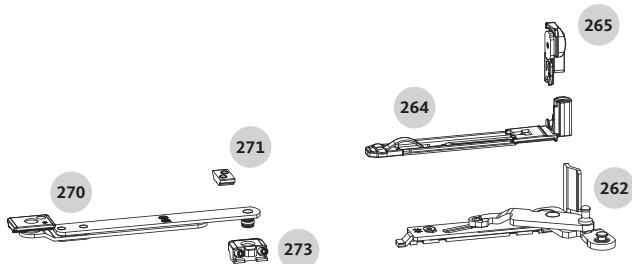
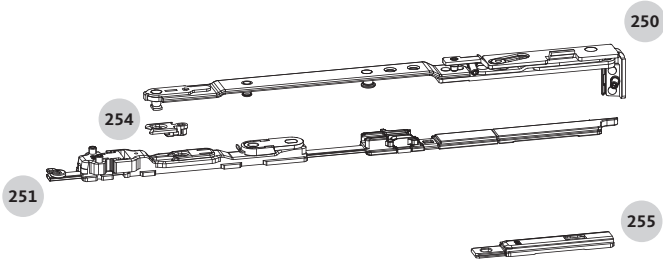
Tilt&Turn window / Tilt-First window	106
Turn-Only window	108
Individual components	110

ALU-JET CC610 up to 150 kg sash weight

Tilt&Turn window / Tilt-First window



kg
max. 150



ALU-JET CC610 up to 150 kg sash weight

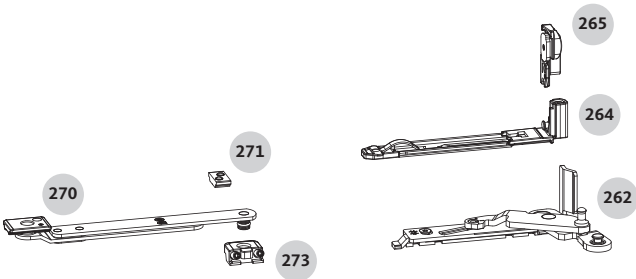
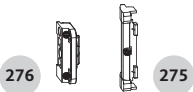
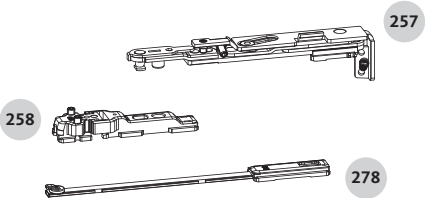
Tilt&Turn window / Tilt-First window



Item	Description	Piece(s)					PU	Qty. in K-set	Article number	
		SW 500–800		SW 801–1600						
		SH 500–1200	SH 1201–2800	SH 570–1000	SH 1001–1200	SH 1201–2800				
250	T&T+TF stay-arm	1	1	–	–	–	10	–	6-37470-00-L-1	
		–	–	1	1	1	10	–	6-37471-00-L-1	
251	T&T+TF stay-guide	1	1	–	–	–	10	–	6-37472-00-L-1	
		–	1	1	1	1	10	–	6-37473-00-L-1	
254	Tilt-width limiter 180 -> 120 mm	–	–	1	–	–	10	–	9-48773-00-0-1	
255	T&T+TF connection corner-drive	standard		–	1	–	–	1	10	–
		RC2/RC3		1	1	1	1	1	10	–
262	Pivot-rest 10/14+14/18	1	1	1	1	1	10	–	6-37059-00-L-1	
	Corner hinge	1	1	1	1	1	10	–	K-19471-00-L-1	
264	Corner-hinge pivot part	1	1	1	1	1	–	1	6-37060-00-9-1	
265	Corner-hinge adjustment part	1	1	1	1	1	–	1	6-39285-00-9-1	
	Turn restrictor	–	–	1	1	1	10	–	K-19644-00-0-1	
270	Turn restrictor	–	–	1	1	1	–	1	6-39547-00-0-1	
271	Turn-restrictor stopper	–	–	1	1	1	–	1	6-39548-00-0-0	
273	Turn restrictor, frame part	–	–	1	1	1	–	1	6-38875-00-0-1	

ALU-JET CC610 up to 150 kg sash weight

Turn-Only window



ALU-JET CC610 up to 150 kg sash weight

Turn-Only window

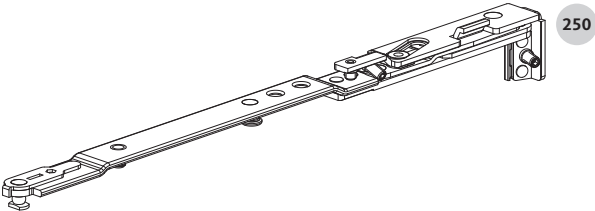


Item	Description	Piece(s)						PU	Qty. in K-set	Article number	
		SW 235-800			SW 801-1600						
		SH 500-1200	SH 1201-2200	SH 2201-2800	SH 570-1200	SH 1201-2200	SH 2201-2800				
257	TU-ON+TI-ON stay-arm	1	1	1	1	1	1	10	-	6-37474-00-L-1	
258	TU-ON+TI-ON stay-guide	1	1	1	1	1	1	10	-	6-37475-00-0-1	
262	Pivot-rest 10/14+14/18	1	1	1	1	1	1	10	-	6-37059-00-L-1	
	Corner hinge	1	1	1	1	1	1	10	-	K-19471-00-L-1	
264	Corner-hinge pivot part	1	1	1	1	1	1	-	1	6-37060-00-L-1	
265	Corner-hinge adjustment part	1	1	1	1	1	1	-	1	6-39285-00-L-1	
	Turn restrictor	-	-	-	1	1	1	10	-	K-19644-00-0-1	
270	Turn restrictor	-	-	-	1	1	1	-	1	6-39547-00-0-1	
271	Turn-restrictor stopper	-	-	-	1	1	1	-	1	6-39548-00-0-0	
273	Turn restrictor, frame part	-	-	-	1	1	1	-	1	6-38875-00-0-1	
275	Centre-closer, frame part	-	1	2	-	1	2	10	-	6-35845-09-0-1	
276	Centre-closer sash part, adjustable	-	1	2	-	1	2	10	-	6-38884-00-0-1	
Alternative for more stringent tightness requirements and for RC2 / RC3 central locking system											
278	TU-ON+TI-ON coupling part CD LC hinge-side *	standard	-	1	1	-	1	1	10	-	6-37476-00-0-1
		RC2/RC3	1	1	1	1	1	1	10	-	

* in combination with central locking system on the hinge side

ALU-JET CC610 up to 150 kg sash weight

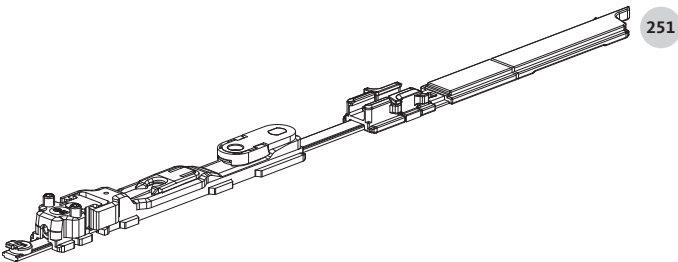
Individual components



T&T+TF stay-arm

Technical data	
Hinge-side type	concealed
Opening type	Tilt&Turn window Tilt-First window
Finish	ferGUard*silver
Maximum sash weight [kg]	150
Opening angle [°]	90
Frame groove [mm]	10/14 12/15 14/18
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 4

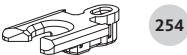
Sash width min. [mm]	Sash width max. [mm]	DIN side of hinges	PU	Article number
500	800	left	10	6-37470-00-L-1
		right	10	6-37470-00-R-1
801	1600	left	10	6-37471-00-L-1
		right	10	6-37471-00-R-1



T&T+TF stay-guide

Technical data	
Hinge-side type	concealed
Opening type	Tilt&Turn window Tilt-First window
Finish	ferGUard*silver
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 4

Sash width min. [mm]	Sash width max. [mm]	DIN side of hinges	PU	Article number
500	800	left	10	6-37472-00-L-1
		right	10	6-37472-00-R-1
801	1600	left	10	6-37473-00-L-1
		right	10	6-37473-00-R-1



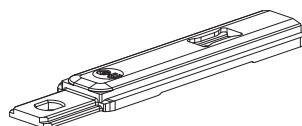
Tilt-width limiter 180 -> 120 mm

Technical data	
Hinge-side type	concealed
Opening type	Tilt&Turn window Tilt-First window
DIN side of hinges	left right
Finish	grey
Sash width min. [mm]	801
Sash width max. [mm]	1600
Installation tool	-

	PU	Article number
	10	9-48773-00-0-1

ALU-JET CC610 up to 150 kg sash weight

Individual components

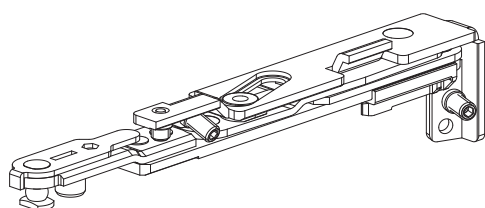


255

T&T+TF connection corner-drive

Technical data	
Hinge-side type	concealed
Opening type	Tilt&Turn window Tilt-First window
DIN side of hinges	left right
Finish	ferGUard*silver
Sash width min. [mm]	500
Sash width max. [mm]	1600
Installation tool	–

	PU	Article number
	10	9-48772-00-0-1

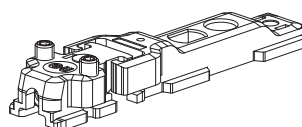


257

TU-ON+TI-ON stay-arm

Technical data	
Hinge-side type	concealed
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
Finish	ferGUard*silver
Maximum sash weight [kg]	150
Opening angle [°]	90
Frame groove [mm]	10/14 12/15 14/18
Sash width min. [mm]	235
Sash width max. [mm]	1600
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 4

DIN side of hinges	PU	Article number
left	10	6-37474-00-L-1
right	10	6-37474-00-R-1



258

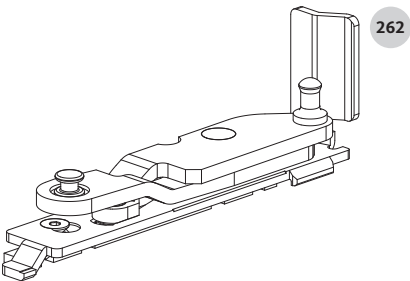
TU-ON+TI-ON stay-guide

Technical data	
Hinge-side type	concealed
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Sash width min. [mm]	235
Sash width max. [mm]	1600
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 4

	PU	Article number
	10	6-37475-00-0-1

ALU-JET CC610 up to 150 kg sash weight

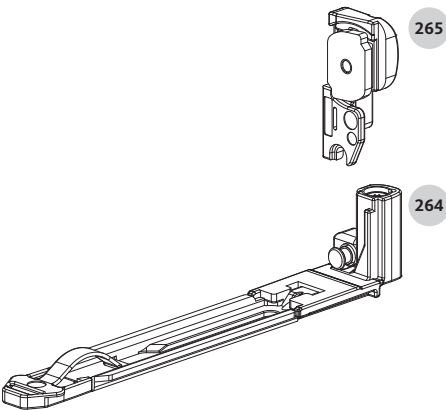
Individual components



Pivot-rest 10/14+14/18

Technical data	
Hinge-side type	concealed
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
Finish	ferGUard*silver
Sash width min. [mm]	235
Sash width max. [mm]	1600
Maximum sash weight [kg]	150
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 2.5

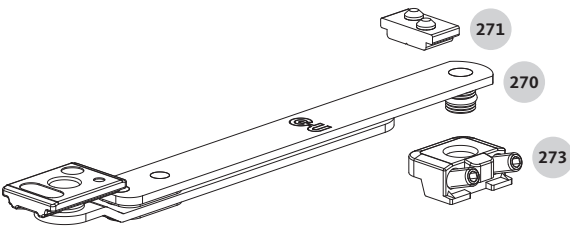
DIN side of hinges	PU	Article number
left	10	6-37059-00-L-1
right	10	6-37059-00-R-1



Corner hinge

Technical data	
Hinge-side type	concealed
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
Finish	ferGUard*silver
Sash width min. [mm]	235
Sash width max. [mm]	1600
Maximum sash weight [kg]	150
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 2.5 hexagon socket size4

DIN side of hinges	PU	Article number
left	10	K-19471-00-L-1
right	10	K-19471-00-R-1



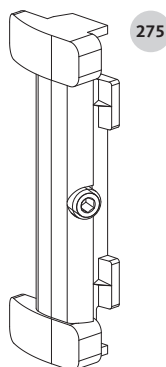
Turn restrictor

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Sash width max. [mm]	1600
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 2.5

	PU	Article number
	10	K-19644-00-0-1

ALU-JET CC610 up to 150 kg sash weight

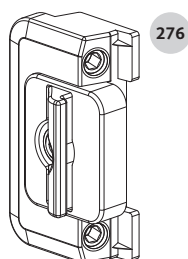
Individual components



Centre-closer, frame part

Technical data	
Hinge-side type	concealed
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove [mm]	10/14 12/15 14/18
Installation tool	hexagon socket size 2.5

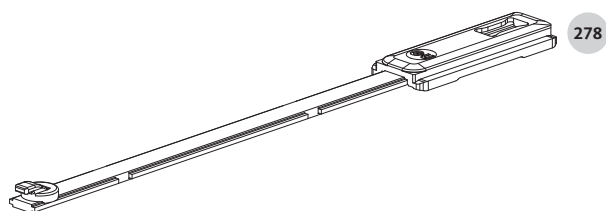
	PU	Article number
	10	6-35845-09-0-1



Centre-closer sash part, adjustable

Technical data	
Hinge-side type	concealed
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 2.5

	PU	Article number
	10	6-38884-00-0-1



TU-ON+TI-ON coupling part CD LC hinge-side

Technical data	
Hinge-side type	concealed
Opening type	Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Sash width min. [mm]	325
Sash width max. [mm]	1600
Installation tool	–

	PU	Article number
	10	6-37476-00-0-1





Strikers

116

T&T strikers and fanlight hinge

118

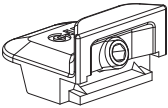
Connecting-rod shoot-bolt strikers

120

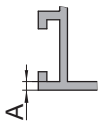
Run-up block / clearance packer

121

Strikers



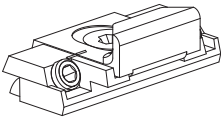
55



Striker

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove [mm]	10/14 12/15 14/18
Type of fixing	clampable
Installation tool	hexagon socket size 2.5

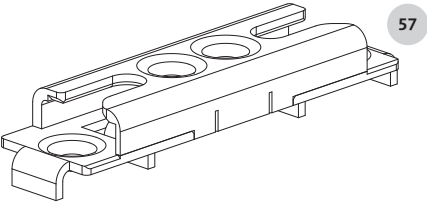
Frame groove dimension A [mm]	PU	Article number
2	100	6-37261-01-0-1
1.5	100	6-37261-02-0-1



Adjustable striker

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	Philips PH 2

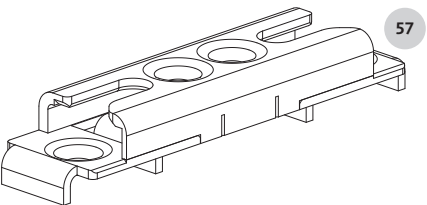
Frame groove [mm]	PU	Article number
10/14	100	G-11065-00-0-1
12/15	100	G-11800-00-0-1
14/18	100	G-11071-00-0-1



Sec striker 10/14

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Burglar resistance class	RC2 RC3
Finish	stainless steel
Frame groove [mm]	10/14
Type of fixing	screw-on

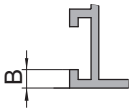
	PU	Article number
	100	6-37254-10-0-8



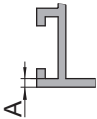
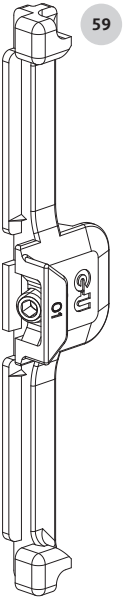
Sec striker 14/18

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Burglar resistance class	RC2 RC3
Finish	stainless steel
Frame groove [mm]	14/18
Type of fixing	screw-on

Frame groove dimension B [mm]	PU	Article number
4	100	6-37254-14-0-8
3.5	100	6-37254-15-0-8

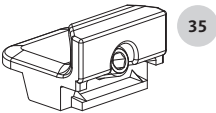


T&T strikers and fanlight hinge



T&T striker

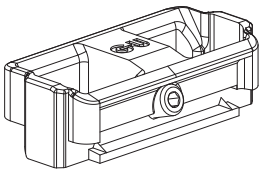
Technical data		
Opening type	Tilt&Turn window Turn-Only window	
DIN side of hinges	left right	
Finish	ferGUard*silver	
Frame groove [mm]	10/14 12/15 14/18	
Type of fixing	clampable	
Installation tool	hexagon socket size 2.5	
Frame groove dimension A [mm]	PU	Article number
2	100	6-37272-01-0-1
1.5	100	6-37272-02-0-1



TF striker

Technical data		
Opening type	Tilt-First window	
DIN side of hinges	left right	
Finish	ferGUard*silver	
Frame groove [mm]	10/14 12/15 14/18	
Type of fixing	clampable	
Installation tool	hexagon socket size 2.5	
	PU	Article number
	100	6-38686-00-0-1

T&T strikers and fanlight hinge

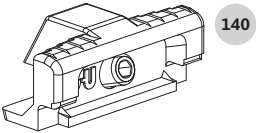


34

T&T fanlight hinge

Technical data		
Opening type	Tilt&Turn window Turn-Only window	
DIN side of hinges	left right	
Finish	ferGUard*silver	
Type of fixing	clampable	
Installation tool	hexagon socket size 2.5	
	PU	Article number
	100	6-37441-00-0-1

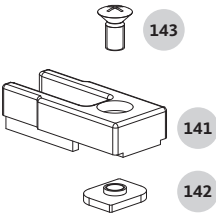
Connecting-rod shoot-bolt strikers



CR shoot-bolt striker

Technical data	
Opening type	Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove [mm]	10/14 12/15 14/18
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 2.5

	PU	Article number
	100	6-30961-00-0-1
+ 1.5 mm gasket pressure (compared to 6-30961-00-0)	100	G-19658-02-0-1
+ 1.5 mm gasket pressure (compared to 6-30961-00-0)	100	G-19658-03-0-1

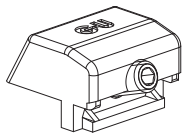


TU-ON connecting-rod shoot-bolt striker set 14/18

Technical data	
Opening type	Turn-Only window
DIN side of hinges	left right
Finish	grey
Frame groove [mm]	14/18
Type of fixing	clampable
Installation tool	Philips PH 2

	PU	Article number
	10	K-15819-00-0-1

Run-up block / clearance packer

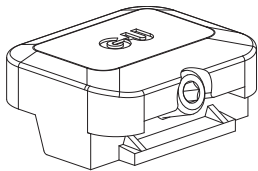


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Run-up block, frame

Technical data	
Opening type	Dummy-mullion sash
DIN side of hinges	left right
Finish	grey
Frame groove [mm]	10/14 12/15 14/18
Type of fixing	clampable
Installation tool	hexagon socket size 2.5

	PU	Article number
	10	6-30998-00-0-1

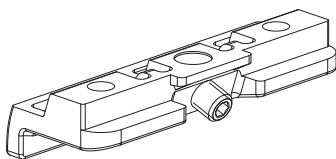


36

Run-up block tilt corner-drive TF

Technical data	
Opening type	Tilt-First window Dummy-mullion sash
DIN side of hinges	left right
Finish	grey
Frame groove [mm]	10/14 12/15 14/18
Type of fixing	clampable
Installation tool	hexagon socket size 2.5

	PU	Article number
	10	6-38696-00-0-1



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Sec clearance packer / TU-ON window run-up block

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	grey
Burglar resistance class	RC2 RC3
Type of fixing	clampable screw-fixed
Installation tool	hexagon socket size 2.5

	PU	Article number
	100	6-38807-00-0-1





Geared handles

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Turn handles

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Rosette-free turn handles

Rosette-free turn handle	139
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Geared handles

SPACIO



SPACIO geared handle

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Type of fixing	screw-on
Installation tool	hexagon socket size 4

Distance between fixing holes [mm]	Finish	PU	Article number
84/98	untreated	10	G-46551-00-0-0
	EV1, silver	10	G-46551-00-0-1
	dark bronze	10	G-46551-00-0-5
	black	10	G-46551-00-0-6
	traffic white	10	G-46551-00-0-7
96/104	untreated	10	G-46551-96-0-0
	EV1, silver	10	G-46551-96-0-1
	dark bronze	10	G-46551-96-0-5
	black	10	G-46551-96-0-6
	traffic white	10	G-46551-96-0-7
	special colour available on request	10	G-46551-96-0-9



SPACIO geared turn handle, lockable

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Installation tool	hexagon socket size 4

Distance between fixing holes [mm]	Finish	PU	Article number
84/98	untreated	10	G-46553-00-0-0
	dark bronze	10	G-46553-00-0-5
	black	10	G-46553-00-0-6
	traffic white	10	G-46553-00-0-7
96/104	untreated	10	G-46553-96-0-0
	EV1, silver	10	G-46553-96-0-1
	dark bronze	10	G-46553-96-0-5
	black	10	G-46553-96-0-6
	traffic white	10	G-46553-96-0-7

Geared handles

SPACIO



SPACIO handle, removable

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Installation tool	hexagon socket size 4

Distance between fixing holes [mm]	Finish	PU	Article number
84/98	untreated	10	G-46555-00-0-0
	EV1, silver	10	G-46555-00-0-1
	dark bronze	10	G-46555-00-0-5
	traffic white	10	G-46555-00-0-7
96/104	EV1, silver	10	G-46555-96-0-1
	black	10	G-46555-96-0-6



SPACIO service handle

Technical data	
Version	in conjunction with geared rosette G-46555 and G-46556
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Finish	EV1, silver
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Distance between fixing holes [mm]	–
Type of fixing	pluggable
Installation tool	–

PU	Article number
10	G-18888-00-0-1

Geared handles

SPACIO



SPACIO expansion gear handle DIN right

Technical data	
Opening type	Turn-Only window
DIN side of hinges	right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Installation tool	hexagon socket size 4

Distance between fixing holes [mm]	Finish	PU	Article number
84/98	EV1, silver	10	G-46552-00-R-1
	dark bronze	10	G-46552-00-R-5
	black	10	G-46552-00-R-6
	white	10	G-46552-00-R-7T
96/104	untreated	10	G-46552-96-R-0
	EV1, silver	10	G-46552-96-R-1
	black	10	G-46552-96-R-6
	white	10	G-46552-96-R-7T



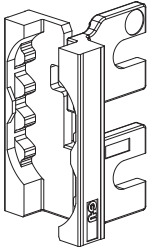
SPACIO handle, removable, DIN right

Technical data	
Opening type	Turn-Only window
DIN side of hinges	right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Installation tool	hexagon socket size 4

Distance between fixing holes [mm]	Finish	PU	Article number
84/98	EV1, silver	10	G-46556-00-R-1
96/104	traffic white	10	G-46556-96-R-7

Geared handles

SPACIO accessories

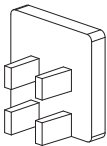


70

SPACIO conversion set for expansion gear DIN left

Technical data	
Version	for expansion gear handle G-46552 and expansion/insertable gear G-46556
Opening type	Turn-Only window
DIN side of hinges	left
Finish	untreated
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Installation tool	–

	PU	Article number
	10	G-46550-00-L-1



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90° turn-restrictor for SPACIO geared turn handle

Technical data	
Version	for geared turn handle G-46551, G-46553 and geared rosette G-46555
Opening type	Turn-Only window Tilt-Only window
DIN side of hinges	left right
Finish	black
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	23
Installation tool	–

	PU	Article number
	10	9-34612-00-0-6

Geared handles

ADAGIO



ADAGIO-A geared turn handle

Technical data	
Version	only in combination with ADAGIO-A carrier fork set K-15814 or ADAGIO-A connector set K-15815
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Distance between fixing holes [mm]	104
Installation tool	-

Finish	PU	Article number
untreated	10	6-31723-00-0-0
EV1, silver	10	6-31723-00-0-1
black	10	6-31723-00-0-6
traffic white	10	6-31723-00-0-7
special colour available on request	10	6-31723-00-0-9



ADAGIO-A geared turn handle, lockable

Technical data	
Version	only in combination with ADAGIO-A carrier fork set K-15814 or ADAGIO-A connector set K-15815
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Distance between fixing holes [mm]	104
Installation tool	-

Finish	PU	Article number
EV1, silver	10	6-31724-00-0-1
black	10	6-31724-00-0-6
traffic white	10	6-31724-00-0-7

Geared handles

ADAGIO



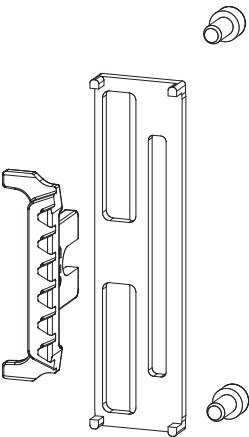
ADAGIO geared turn handle, lockable RC2/RC3

Technical data	
Version	only in conjunction with RC 2/RC 3 handle connector set K-19820
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Burglar resistance class	RC2 RC3
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Distance between fixing holes [mm]	104 84 98
Installation tool	hexagon socket size 4

Finish	PU	Article number
EV1, silver	10	K-19821-00-0-1
black	10	K-19821-00-0-6
traffic white	10	K-19821-00-0-7
white	10	K-19821-00-0-7T
special colour available on request	10	K-19821-00-0-9

Geared handles

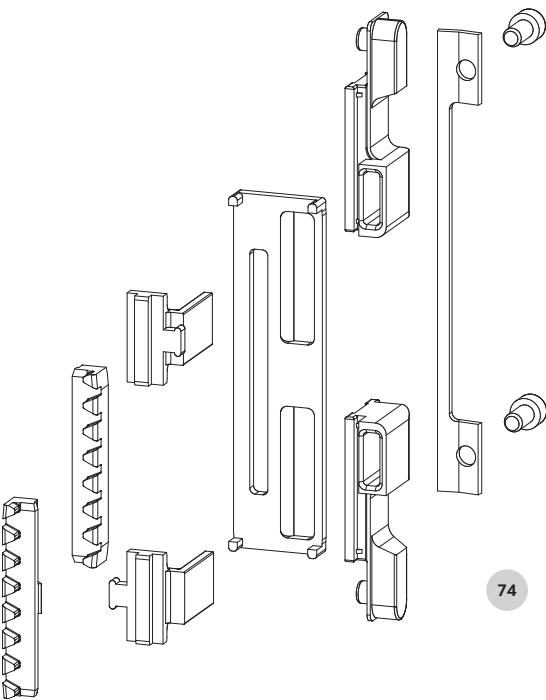
ADAGIO accessories



ADAGIO-A carrier fork set

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Type of fixing	screw-on
Installation tool	hexagon socket size 4

	PU	Article number
	10	K-15814-00-0-1



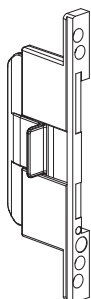
ADAGIO-A carrier fork set for expansion gear

Technical data	
Opening type	Turn-Only window
DIN side of hinges	left right
Finish	ferGUard*silver
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Type of fixing	screw-on
Installation tool	hexagon socket size 4

	PU	Article number
	10	K-15815-00-0-1

Geared handles

Geared handles, accessories



Mishandling device

Technical data	
Opening type	Tilt&Turn window Tilt-First window
DIN side of hinges	left right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	10.5
Finish	ferGUard*silver
Installation tool	–

Hole pattern fixing distance [mm]	PU	Article number
84/98	10	6-31065-10-0-1
96/104	10	6-31065-40-0-1



Packer plate for geared handle

Technical data	
Version	for reinforcement of sash overlap 2 pcs required per geared turn handle
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	23
Distance between fixing holes [mm]	84/96/98/104
Finish	stainless steel
Installation tool	–

	PU	Article number
	100	9-50091-00-0-8



Packer plate for geared handle LB 104

Technical data	
Version	for reinforcement of sash overlap
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	23
Distance between fixing holes [mm]	104
Finish	stainless steel
Installation tool	–

	PU	Article number
	100	9-41506-00-0-8

Turn handles

DIRIGENT



DIRIGENT-F turn handle

Technical data		
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window	
DIN side of hinges	left right	
Distance between fixing holes [mm]	43	
Width of square spindle [mm]	7	
Length of square spindle [mm]	25	
Finish	PU	Article number
EV1, silver	10	6-28072-25-0-11
black	10	6-28072-25-0-6
traffic white	10	6-28072-25-0-7



DIRIGENT turn handle Tilt-First, lockable

Technical data		
Opening type	Tilt-First window	
DIN side of hinges	left right	
Distance between fixing holes [mm]	43	
Width of square spindle [mm]	7	
Length of square spindle [mm]	29	
Finish	PU	Article number
EV1, silver	10	6-31557-29-0-11
dark brown	10	6-31557-29-0-5
traffic white	10	6-31557-29-0-7

Turn handles

ADAGIO



ADAGIO-F turn handle

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Width of square spindle [mm]	7

Finish	Length of square spindle [mm]	PU	Article number
traffic white	29	10	6-29548-29-0-7
EV1, silver	33	10	6-29548-33-0-11
traffic white	33	10	6-29548-33-0-7



ADAGIO-F/Z Turn handle, lockable

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Width of square spindle [mm]	7
Length of square spindle [mm]	33
Finish	traffic white

	PU	Article number
	10	6-29549-33-0-7

Turn handles

MODENA



MODENA-F turn handle

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Width of square spindle [mm]	7

Finish	Length of square spindle [mm]	PU	Article number
EV1, silver	29	10	6-31977-29-0-11
traffic white	33	10	6-31977-33-0-7



MODENA-F/Z lockable

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Width of square spindle [mm]	7

Finish	Length of square spindle [mm]	PU	Article number
EV1, silver	29	10	6-31978-29-0-11
traffic white	38	10	6-31978-38-0-7



MODENA-F/Z turn handle, lockable 100 Nm

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Burglar resistance class	RC2 RC3
Width of square spindle [mm]	7
Length of square spindle [mm]	29

Finish	PU	Article number
EV1, silver	10	6-34397-29-0-1
traffic white	10	6-34397-29-0-7

Turn handles

SOPRANO



SOPRANO-F turn handle

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Width of square spindle [mm]	7
Length of square spindle [mm]	33

Finish	PU	Article number
EV1, silver	10	U-71984-33-0-11
traffic white	10	U-71984-33-0-7



SOPRANO-F/Z turn handle, lockable

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Finish	traffic white
Width of square spindle [mm]	7
Length of square spindle [mm]	33

	PU	Article number
	10	U-71987-33-0-7

Turn handles

BELCANTO



BELCANTO turn handle

Technical data		
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window	
DIN side of hinges	left right	
Distance between fixing holes [mm]	43	
Finish	matt stainless steel	
Width of square spindle [mm]	7	
Length of square spindle [mm]	29	
	PU	Article number
	1	B-78820-0W-0-8



BELCANTO turn handle, lockable, 100 Nm

Technical data		
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window	
DIN side of hinges	left right	
Distance between fixing holes [mm]	43	
Finish	matt stainless steel	
Width of square spindle [mm]	7	
Length of square spindle [mm]	29	
	PU	Article number
	1	B-78820-10-0-8



BELCANTO turn handle, Tilt-First lockable

Technical data		
Opening type	Tilt-First window	
DIN side of hinges	left right	
Distance between fixing holes [mm]	43	
Finish	matt stainless steel	
Width of square spindle [mm]	7	
Length of square spindle [mm]	29	
	PU	Article number
	1	B-78820-14-0-8

Turn handles

RONDO



RONDO turn handle

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Finish	matt stainless steel
Width of square spindle [mm]	7
Length of square spindle [mm]	29

	PU	Article number
	1	B-78820-18-0-8



RONDO turn handle, lockable, 100 Nm

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Finish	matt stainless steel
Width of square spindle [mm]	7
Length of square spindle [mm]	29

	PU	Article number
	1	B-78820-22-0-8



RONDO turn handle, Tilt-First lockable

Technical data	
Opening type	Tilt-First window
DIN side of hinges	left right
Distance between fixing holes [mm]	43
Finish	matt stainless steel
Width of square spindle [mm]	7
Length of square spindle [mm]	29

	PU	Article number
	1	B-78820-26-0-8

Turn handles

TREMOLO



TREMOLO turn handle

Technical data		
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window	
DIN side of hinges	left right	
Distance between fixing holes [mm]	43	
Finish	matt stainless steel	
Width of square spindle [mm]	7	
Length of square spindle [mm]	29	
	PU	Article number
	1	B-78820-30-0-8



TREMOLO turn handle, lockable, 100 Nm

Technical data		
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window	
DIN side of hinges	left right	
Distance between fixing holes [mm]	43	
Finish	matt stainless steel	
Width of square spindle [mm]	7	
Length of square spindle [mm]	29	
	PU	Article number
	1	B-78820-34-0-8



TREMOLO turn handle, Tilt-First lockable

Technical data		
Opening type	Tilt-First window	
DIN side of hinges	left right	
Distance between fixing holes [mm]	43	
Finish	matt stainless steel	
Width of square spindle [mm]	7	
Length of square spindle [mm]	29	
	PU	Article number
	1	B-78820-38-0-8

Rosette-free turn handles

Rosette-free turn handle



Rosette-free turn handle

Technical data	
Version	can only be used with insertable gear K-20050
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	17
Finish	EV1, silver
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Installation tool	hexagon socket size 3

PU	Article number
10	6-40186-00-0-1

Rosette-free turn handle, lockable



Technical data	
Version	can only be used with insertable gear K-20050
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window
DIN side of hinges	left right
Distance between fixing holes [mm]	17
Finish	EV1, silver
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Installation tool	hexagon socket size 3

PU	Article number
10	K-20048-00-0-1

Rosette-free turn handle, Tilt-First, lockable



Technical data	
Version	can only be used with insertable gear K-20050
Opening type	Tilt-First window
Distance between fixing holes [mm]	17
Finish	EV1, silver
Min. sash overlap height [mm]	7
Max. sash overlap height [mm]	12
Installation tool	hexagon socket size 3

DIN side of hinges	PU	Article number
left	10	K-20049-00-L-1
right	10	K-20049-00-R-1





Limiting stays

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Turn blocker

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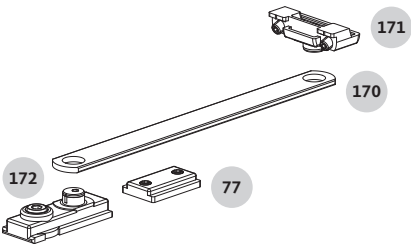
Bullet-catches

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Mounting tools

Adjusting tools	146
Drilling and milling jig	147
Punch	149

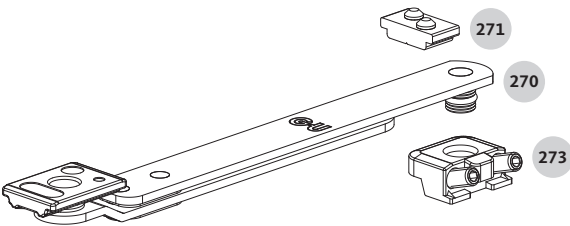
Limiting stays



Limiting stay set with brake

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove	10/14, 12/15, 14/18
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 2.5 hexagon socket size 4

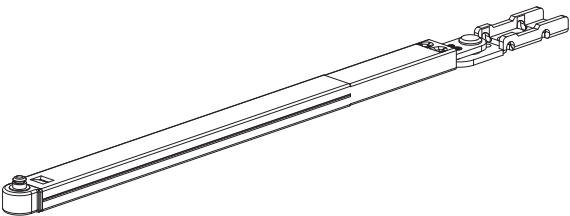
Version	PU	Article number
Stay arm length 150 mm	10	K-17138-15-0-1
Stay arm length 250 mm	10	K-17138-25-0-1



Turn restrictor

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove	10/14, 12/15, 14/18
Type of fixing	clampable
Installation tool	hexagon socket size 2.5
Adjusting tools	hexagon socket size 2.5

	PU	Article number
	10	K-19644-00-0-1

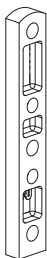
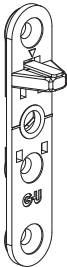


EGO-FL window friction stay

Technical data	
Version	only in conjunction with EURO-SOLID accessories set / EGO-B/-FL K-14686
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	stainless steel
Type of fixing	screw-on
Installation tool	-

Sash width [mm]	PU	Article number
500–750	10	6-28730-01-0-8
up to 751	10	6-28730-00-0-8

Limiting stays

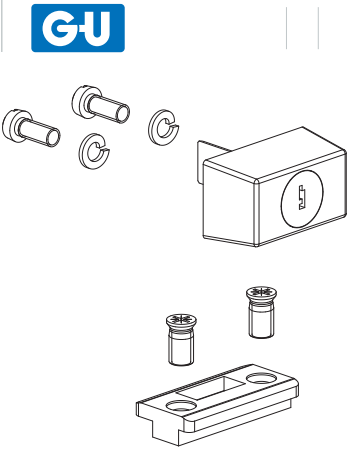


EURO-SOLID accessories set / EGO-B/-FL

Technical data	
Opening type	Tilt&Turn window Tilt-First window Turn-Only window Tilt-Only window Dummy-mullion sash
DIN side of hinges	left right
Finish	ferGUard*silver
Frame groove	10/14, 12/15, 14/18
Type of fixing	screw-on
Installation tool	–

	PU	Article number
	10	K-14686-00-0-1

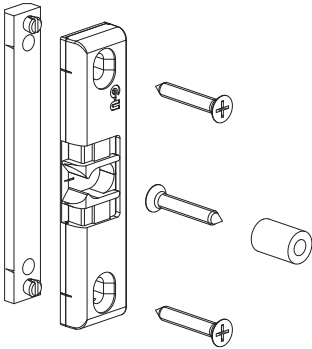
Turn blocker



Turn blocker set, aluminium

Technical data		
Version	surface-mounted with key	
Opening type	Tilt&Turn window Tilt-First window	
DIN side of hinges	left right	
Frame groove	10/14, 12/15, 14/18	
Overlap thickness [mm]	7.5-8.5	
Type of fixing	screw-on	
Installation tool	Philips PZ2 slot	
Finish	PU	Article number
EV1, silver	10	K-12968-00-0-1
dark bronze	10	K-12968-00-0-5
traffic white	10	K-12968-00-0-7
special colour available on request	10	K-12968-00-0-9

Bullet-catches

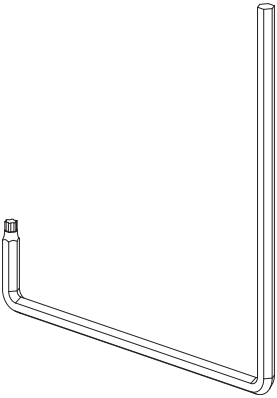


Bullet-catch set

Technical data		
Opening type	Tilt&Turn window Tilt-First window Turn-Only window	
DIN side of hinges	left right	
Frame groove	10/14, 12/15, 14/18	
Finish	ferGUard*silver	
Type of fixing	screw-on	
Installation tool	Philips PH 2	
	PU	Article number
	10	K-12962-00-0-1

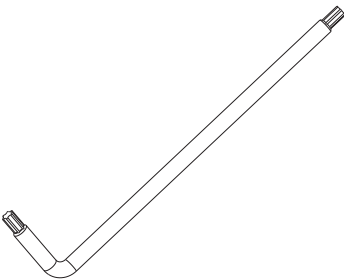
Mounting tools

Adjusting tools



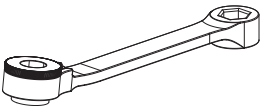
Hexagon key size 4

	PU	Article number
	1	9-43631-64-0-6



Hexalobular key L-shaped T15

	PU	Article number
	1	9-42886-00-0-0



Switchable ratchet (90 mm without bits)

	PU	Article number
	1	H-00821-00-0-0



Bit size 4

	PU	Article number
	1	H-01501-50-0-0

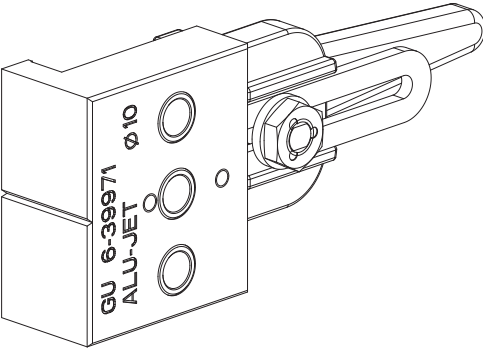


Bit T15

	PU	Article number
	1	H-00822-15-0-0

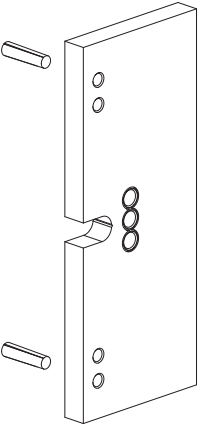
Mounting tools

Drilling and milling jig



Drilling jig for insertable gear

Technical data		
Version	for insertable gear 6-39384 and 6-39385	
Finish	black	
	PU	Article number
	1	6-39971-00-0-6

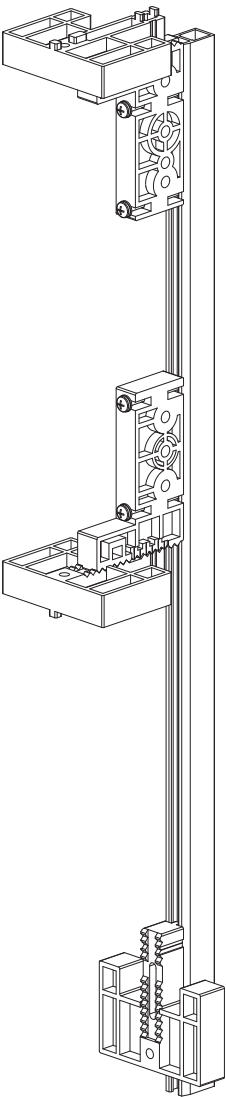


Drilling jig for insertable gear, rosette-free handle

Technical data		
Version	for insertable gear K-20050-00-0-1	
Finish	EV1, silver	
	PU	Article number
	1	K-20051-00-0-1

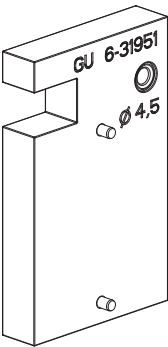
Mounting tools

Drilling and milling jig



Drilling jig for insertable gear and centre-lock

Technical data		
Version	for insertable gear 6-25916, 6-25917 and centre-lock 6-25918	
Finish	blue	
	PU	Article number
	1	6-26191-00-0-2

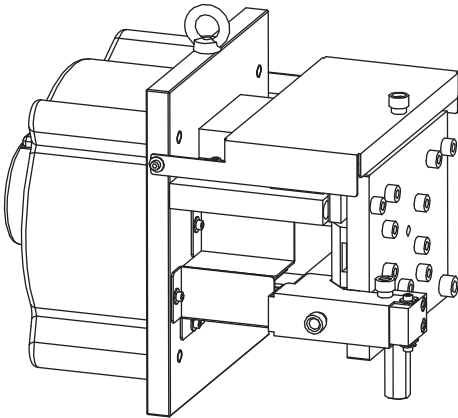


Drilling / mounting jig, stay-bearing support

Technical data		
Version	for stay-bearing support 9-41710 from set of additional parts for hinge-side K-16595	
Finish	black	
	PU	Article number
	1	6-31951-00-0-6

Mounting tools

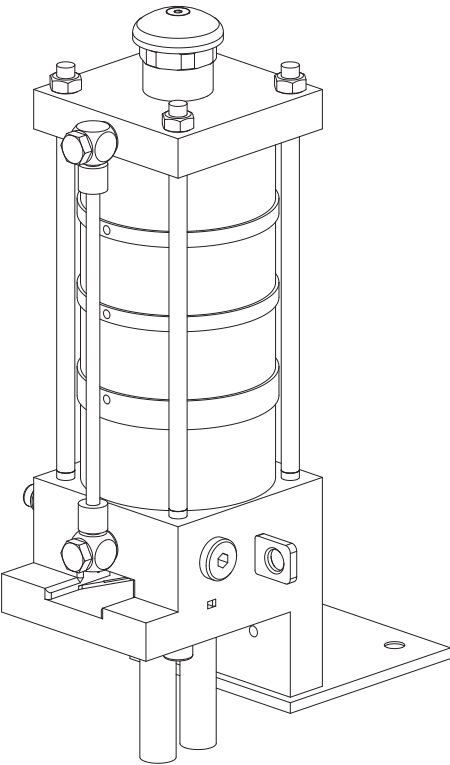
Punch



Pneumatic punch for profile machining

Technical data	
Version	for geared turn handle punching (LB 104), opening of the connecting-rod channel and punching of ALU-JET 06 connecting rod (Ø 6 mm)
Diameter of hole/engagement pin [mm]	06

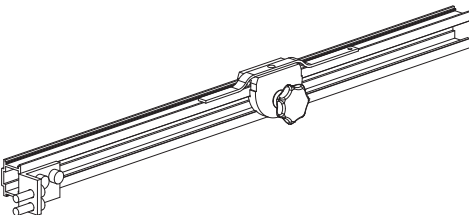
	PU	Article number
	1	6-31957-00-0-0



Pneumatic punch

Technical data	
Version	for punching and cutting to length of connecting rod (Ø 10 mm)
Diameter of hole/engagement pin [mm]	10

	PU	Article number
	1	6-39858-00-0-0



Stop rail for punch

Technical data	
Version	for pneumatic punch 6-39858

	PU	Article number
	1	6-39859-00-0-0





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ALU-JET CC610 application diagram

Tilt&Turn/Tilt-First/Turn-Only windows	162
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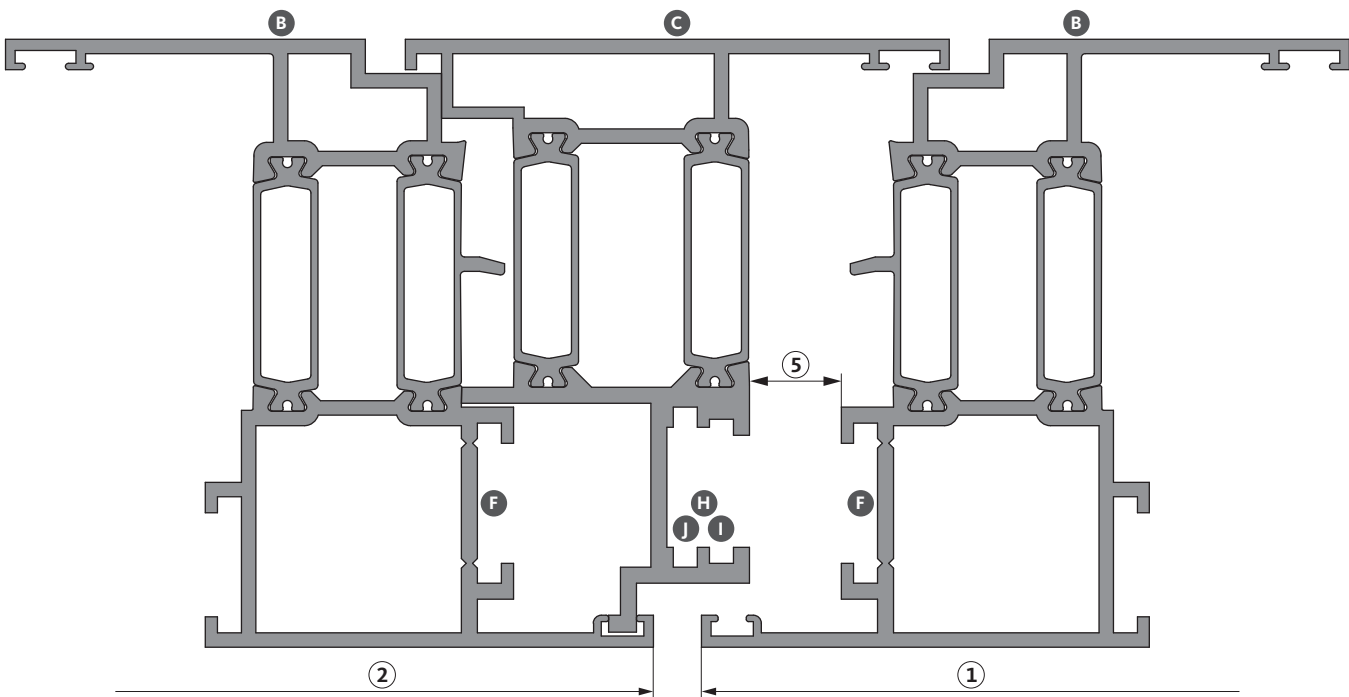
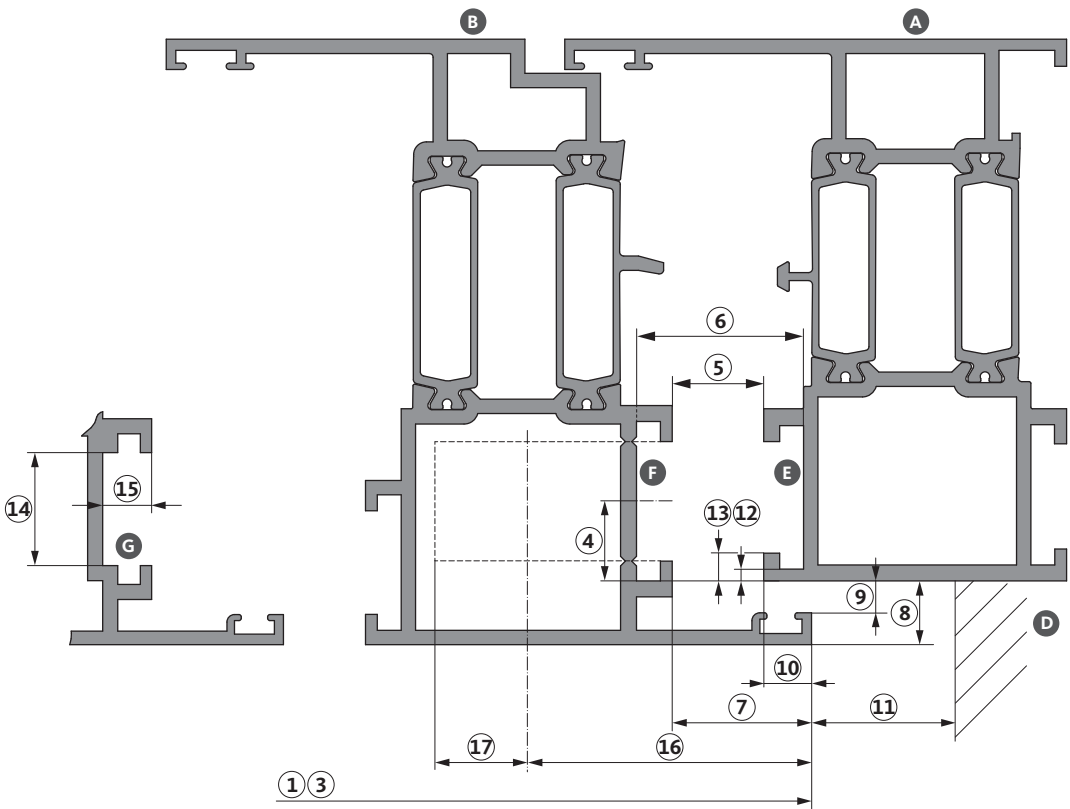
Documentation

163

Exclusion of liability/Copyright notice/Image credits

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List of abbreviations / Definition of terms



List of abbreviations / Definition of terms



Dimensions		
①	Sash width	SW
②	Dummy mullion sash width	SW2
③	Sash height	SH
④	Axis	AX
⑤	Clearance	CL
⑥	Clearance	CL
⑦	Overlap width	OW
⑧	Overlap height	OH
⑨	Hinge-passage	H-P
⑩	Overlap coverage	OC
⑪	Free space on frame	FSF
⑫	Frame groove dimension A	A
⑬	Frame groove dimension B	B
⑭	Groove width with deep Euro-groove 15/20	DW
⑮	Groove depth with deep Euro-groove 15/20	DD
⑯	Backset (for insertable gears)	BS
⑰	Clearance behind backset (for insertable gears)	CBB

Designations	
A	Frame profile
B	Sash profile
C	Dummy mullion profile
D	Reveal
E	Frame groove (versions 10/14, 12/15, 14/18)
F	Euro-groove 15/20 (connecting-rod groove)
G	Recessed Euro-groove 15/20 (deepened connecting-rod groove)
H	Double C groove of the dummy mullion profile
I	Striker groove (with double C groove)
J	Central locking groove (with double C groove)

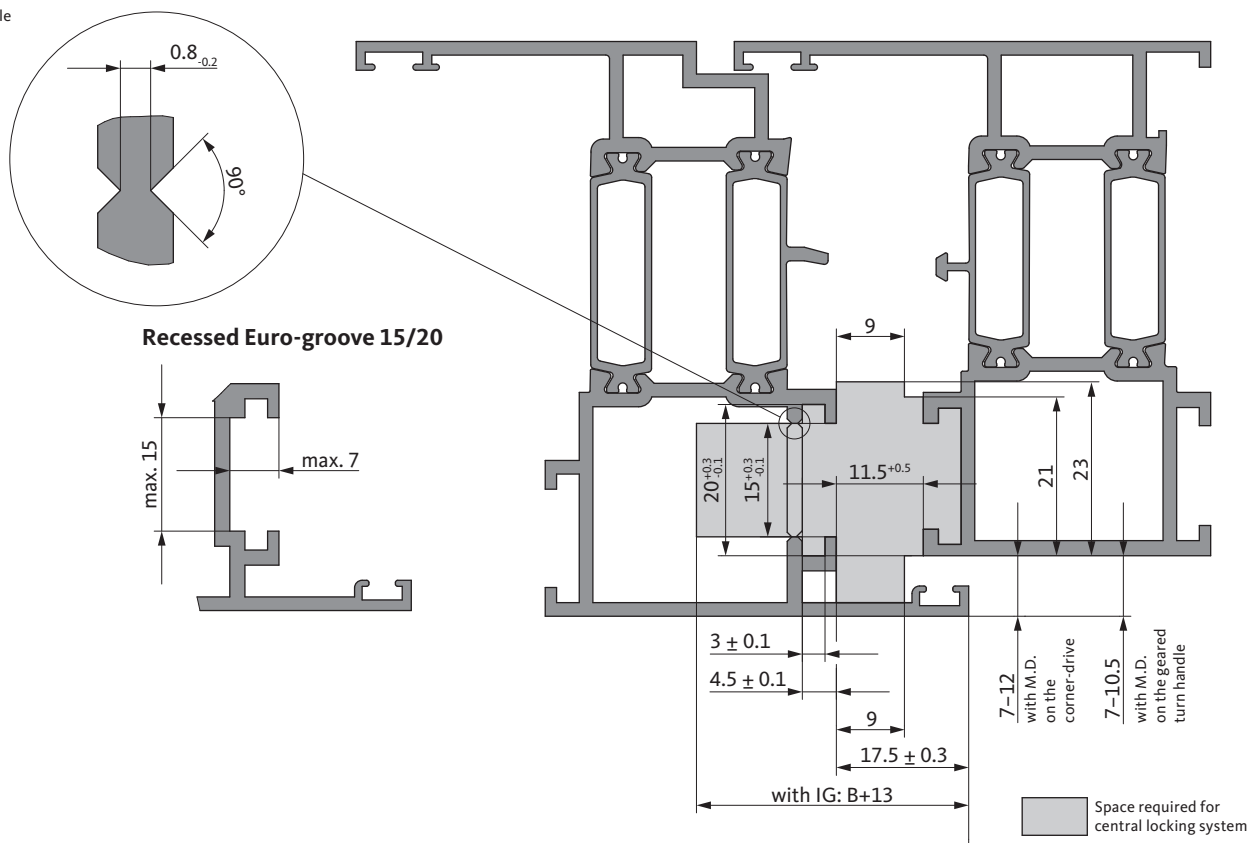
List of abbreviations	
AX	Axis
BS	Backset (for insertable gears)
CBB	Clearance behind backset (for insertable gears)
C-C	Centre-closer
CD	Corner-drive
CL	Clearance
C-L	Centre-lock
GTH	Geared turn handle
HH	Handle height
HLOG	Height of lever-operated gear
HP	Hole pattern (for geared turn handle)
H-P	Hinge-passage
IG	Insertable gear
MD	Mishandling device
OH	Overlap height
OW	Overlap width
PU	Packing unit
RC	Resistance Class according to EN 1627
SB	Shoot-bolt
SH	Sash height
ST	Dummy-mullion sash
ST-DCN	Dummy mullion sash with central locking system in the double C groove of the dummy mullion profile
ST-FLN	Dummy mullion sash with central locking system in the sash groove
ST-FLN1	Dummy mullion sash with central locking system in the sash groove, installation variant 1
ST-FLN2	Dummy mullion sash with central locking system in the sash groove, installation variant 2
SW	Sash width (of the active sash with 2-sash windows)
SW2	Dummy mullion sash width
T&T	Tilt&Turn
TF	Tilt-First
TI-ON	Tilt-Only window
TU-ON	Turn-Only window

Installation dimensions and space requirement

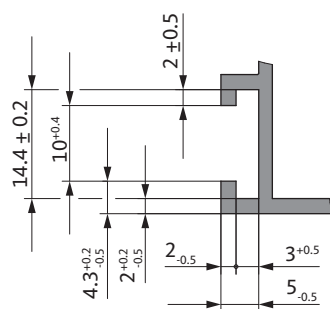
Central locking systems



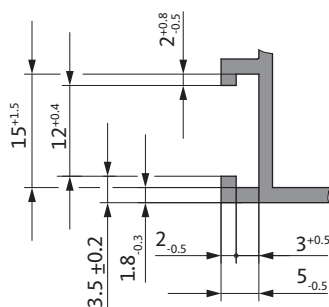
Required if the profile is machined for IG using punches.



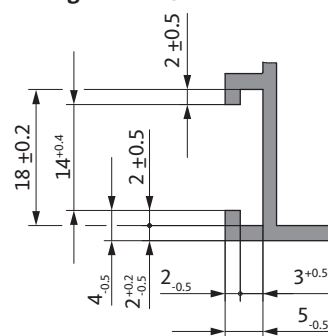
Frame groove 10/14



Frame groove 12/15

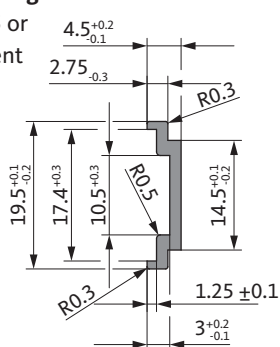


Frame groove 14/18



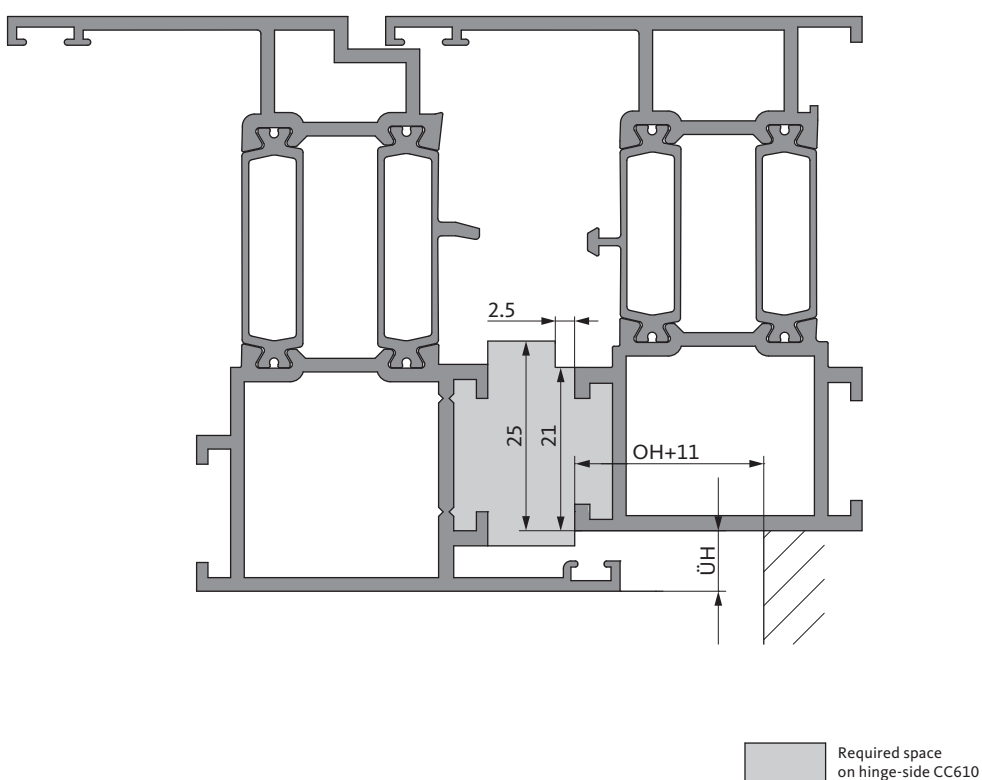
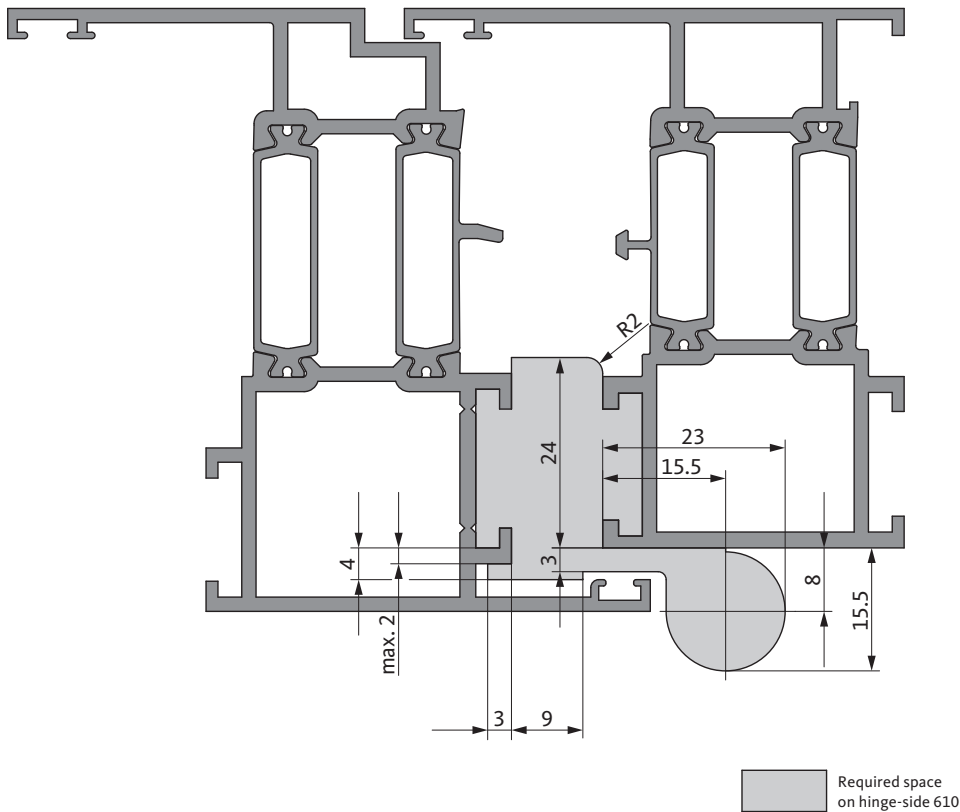
Connecting rod

P-01975 or equivalent



Installation dimensions and space requirement

Hinge-sides

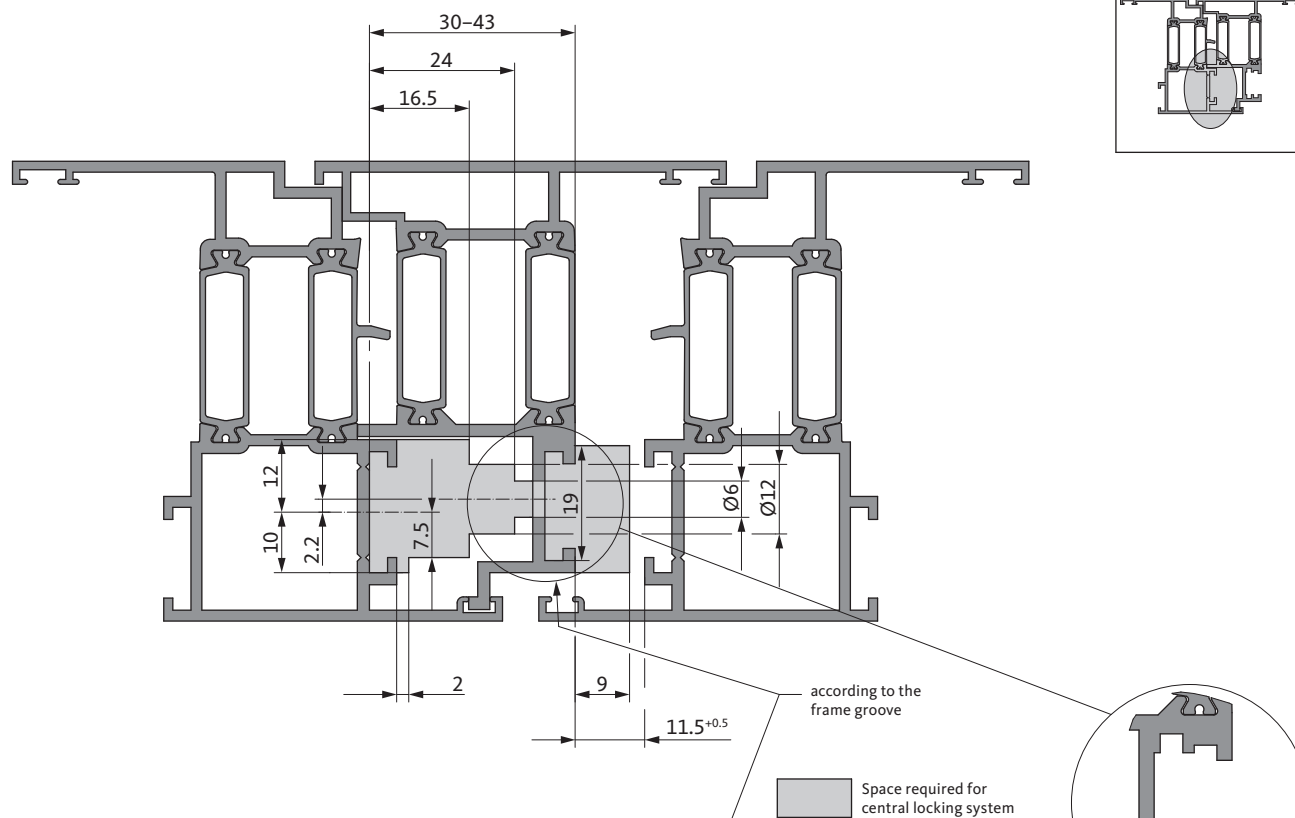


Installation dimensions and space requirement

Central locking dummy mullion sash
with central locking system in the sash groove (ST-FLN)

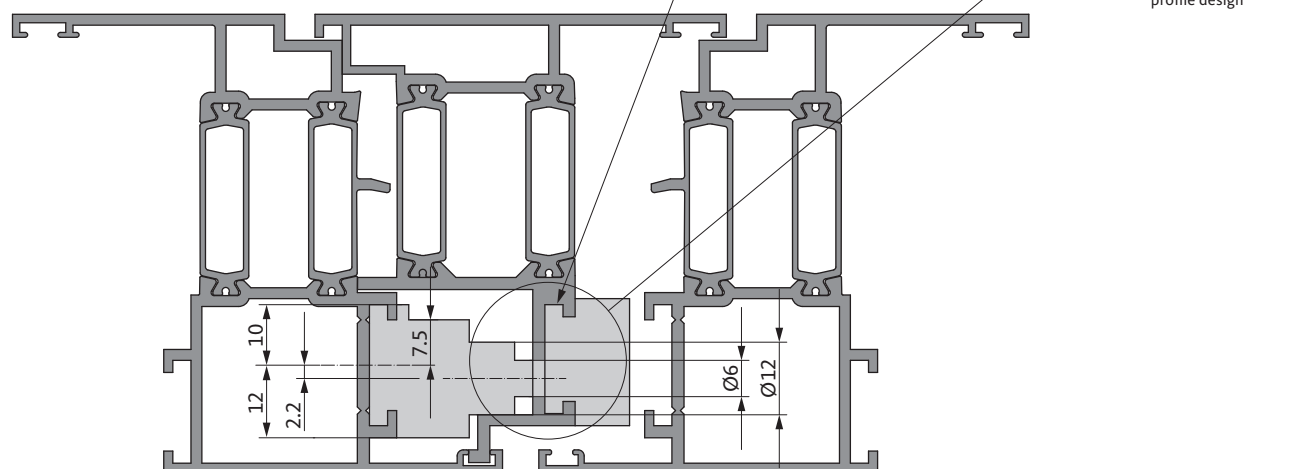


ST-FLN1



ST-FLN2

For dimensions not shown see section above



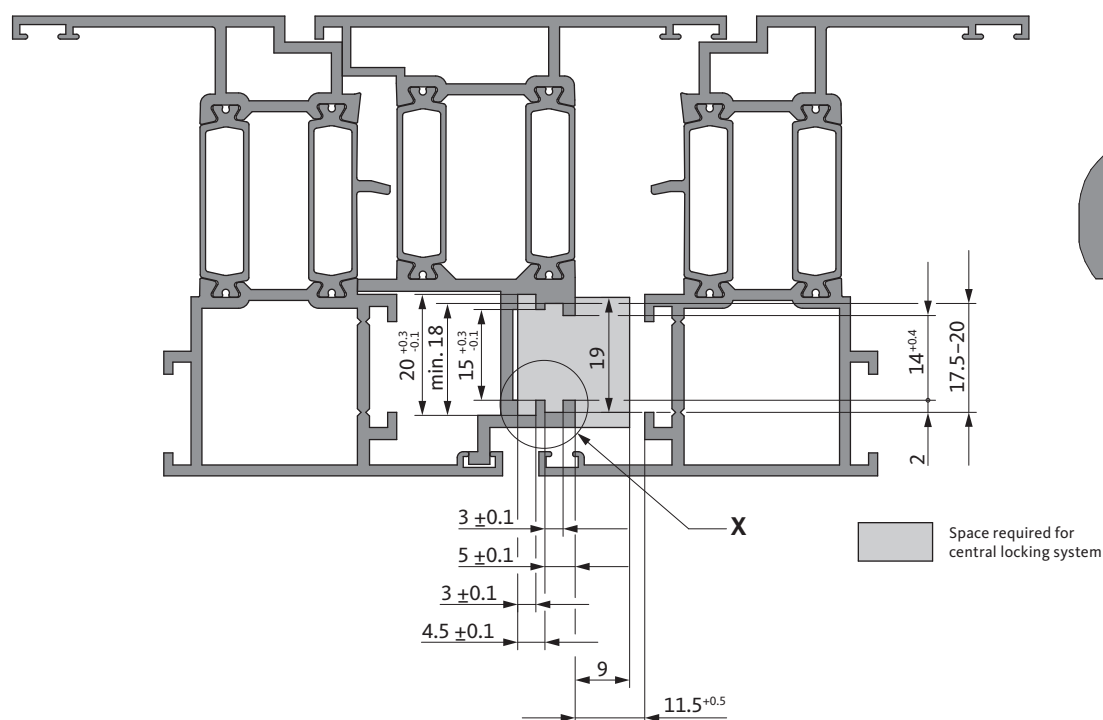
Installation dimensions and space requirement



Central locking dummy mullion sash
with central locking system in the double C groove (ST-DCN)

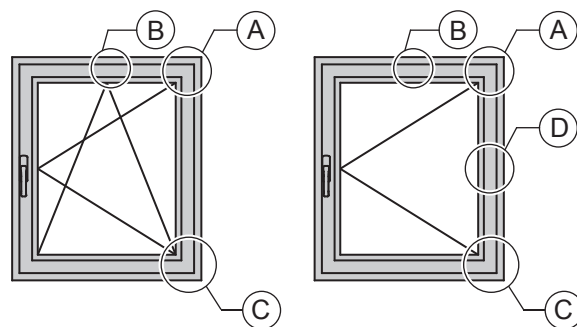


ST-DCN

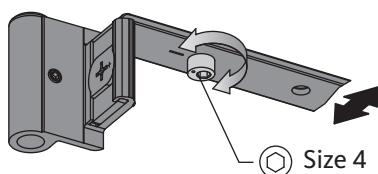


ALU-JET 610 adjustment options

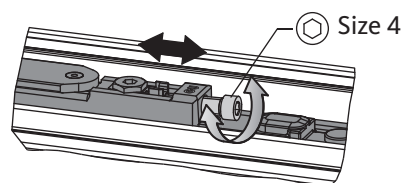
Surface-mounted hinge-sides



- A** Gasket pressure adjustment
±1 mm



- B** Horizontal adjustment
±3 mm



C

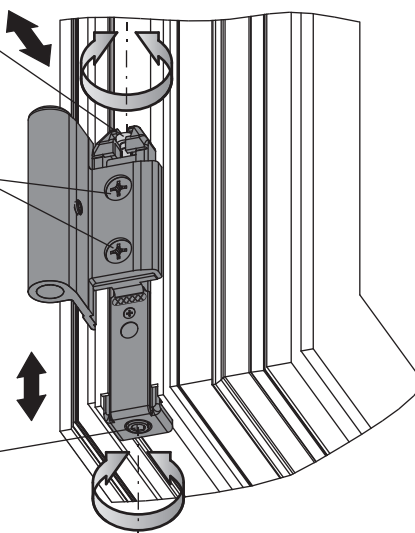
- Size 2.5**
Horizontal
adjustment ±1 mm



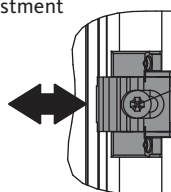
Fully relieve corner hinge
before adjustment. Undo screws by
turning them through 2 revolutions.
Retighten screws following adjustment.

- PH2**
3.5 Nm

- Size 4**
Vertical
adjustment
+2.5 mm
-1 mm



- D** Gasket pressure adjustment
+2 mm
-1 mm



Undo screw to adjust.
Retighten screw following adjustment.

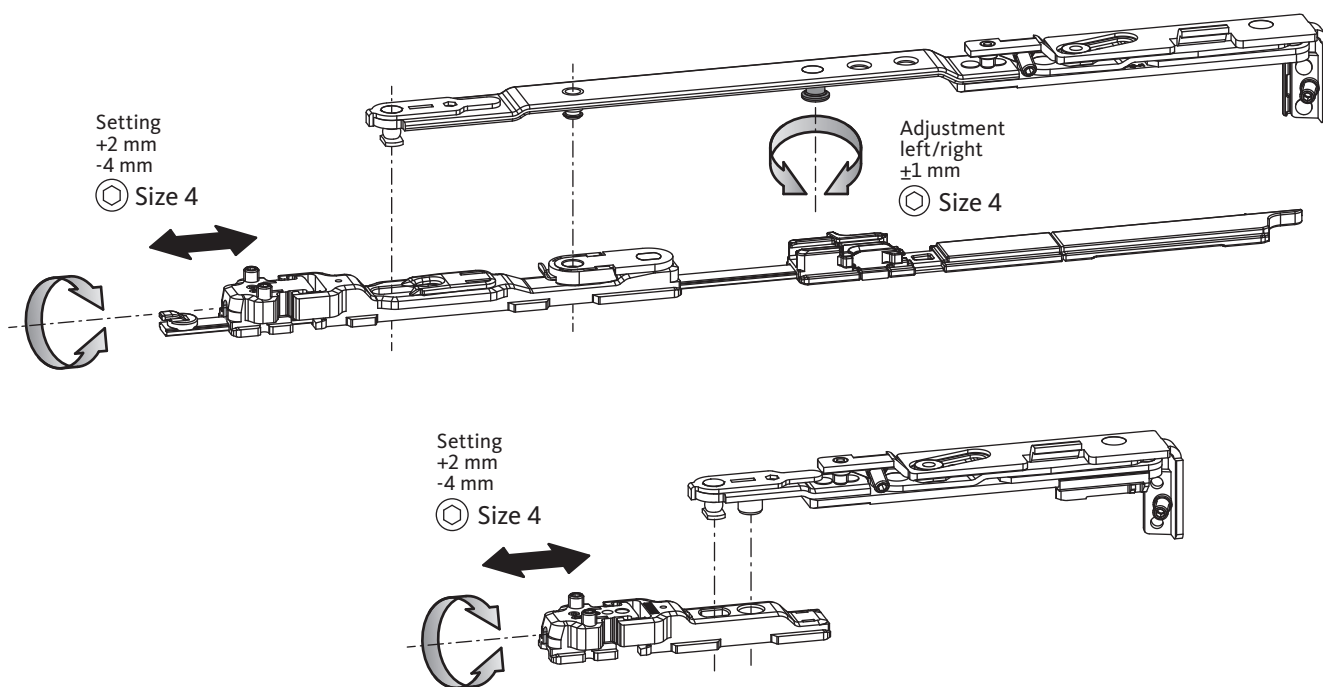
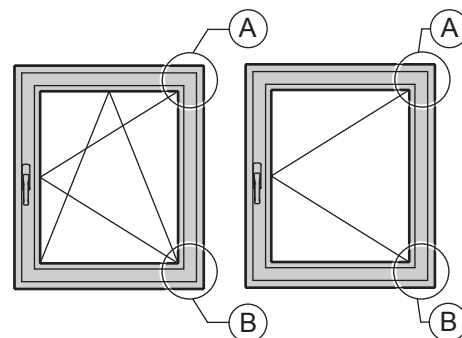
- PH2**
2 Nm

ALU-JET CC610 adjustment options

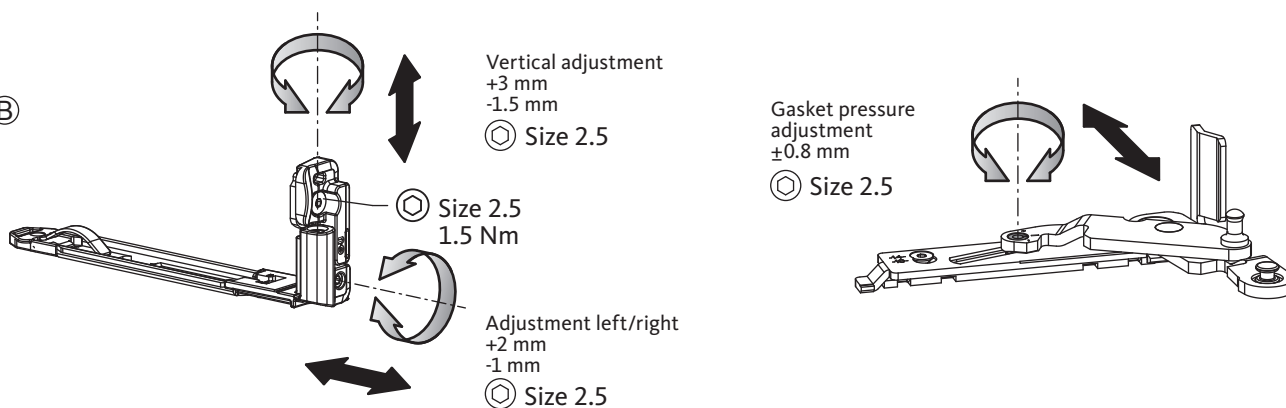
Concealed hinge-sides



Ⓐ

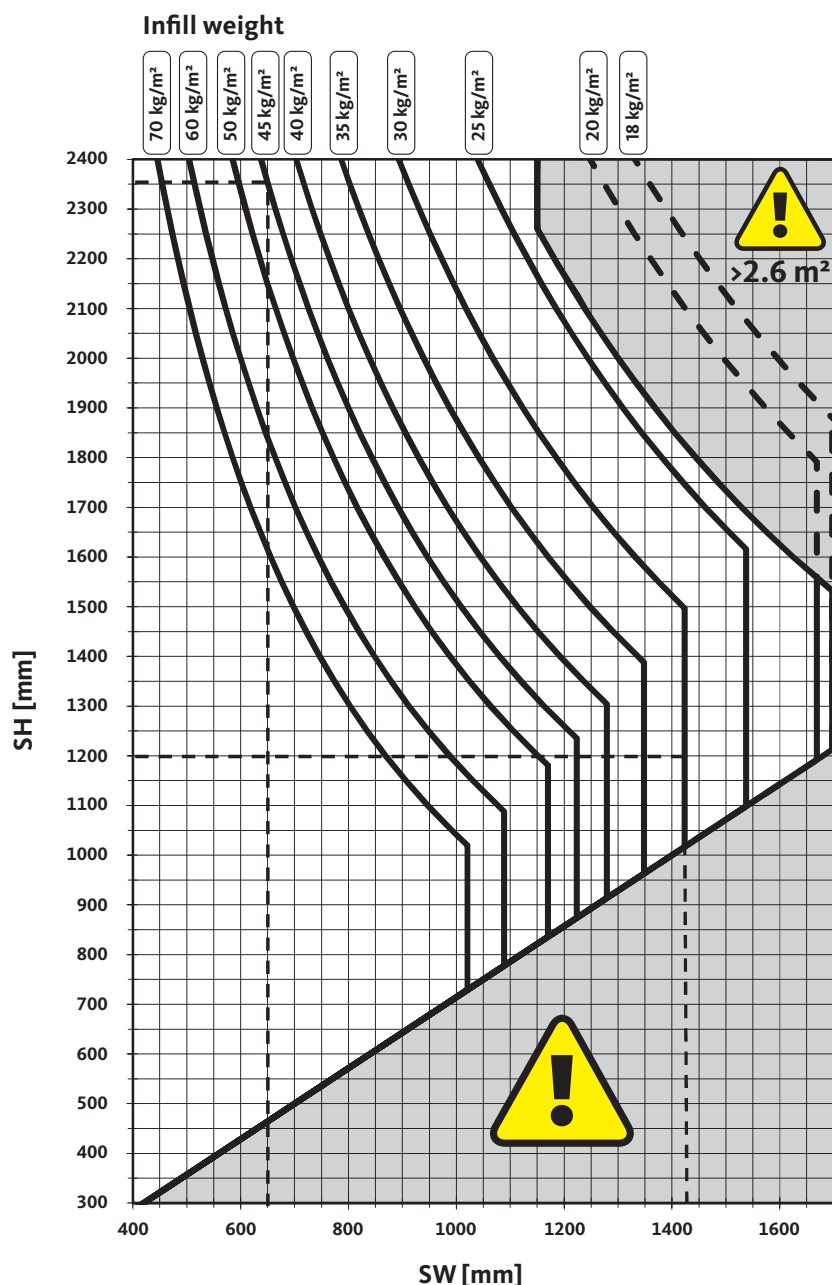
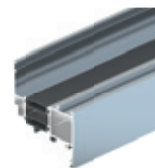
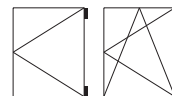
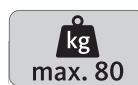


Ⓑ



ALU-JET 610 application diagram

Tilt&Turn/Tilt-First/Turn-Only windows – without additional parts



Prerequisites for using the application diagram:

- Verifications regarding the attachment of load-bearing components to the window system by the window fabricator according to TDK with the following forces:

- 2200 N at the stay-bearing
- 2310 N at the pivot-rest

- Glass reduction GR $\geq$ 20 mm
- Profile weight PW $\leq$ 3,6 kg/m

Attention

The maximum sash weight of 80 kg is only permitted in certain areas of the application diagram.

Only sash formats to the left of the respective glass weight graph are permissible.

format not permitted

Reading examples

- Infill weight = 45 kg/m²**
With an SW = 650 mm, the max. SH = 2350 mm, which corresponds to a maximum sash weight of 80 kg.
- Infill weight = 30 kg/m²**
With an SH = 1200 mm, the max. SW = 1425 mm, which corresponds to a maximum sash weight of 63 kg.

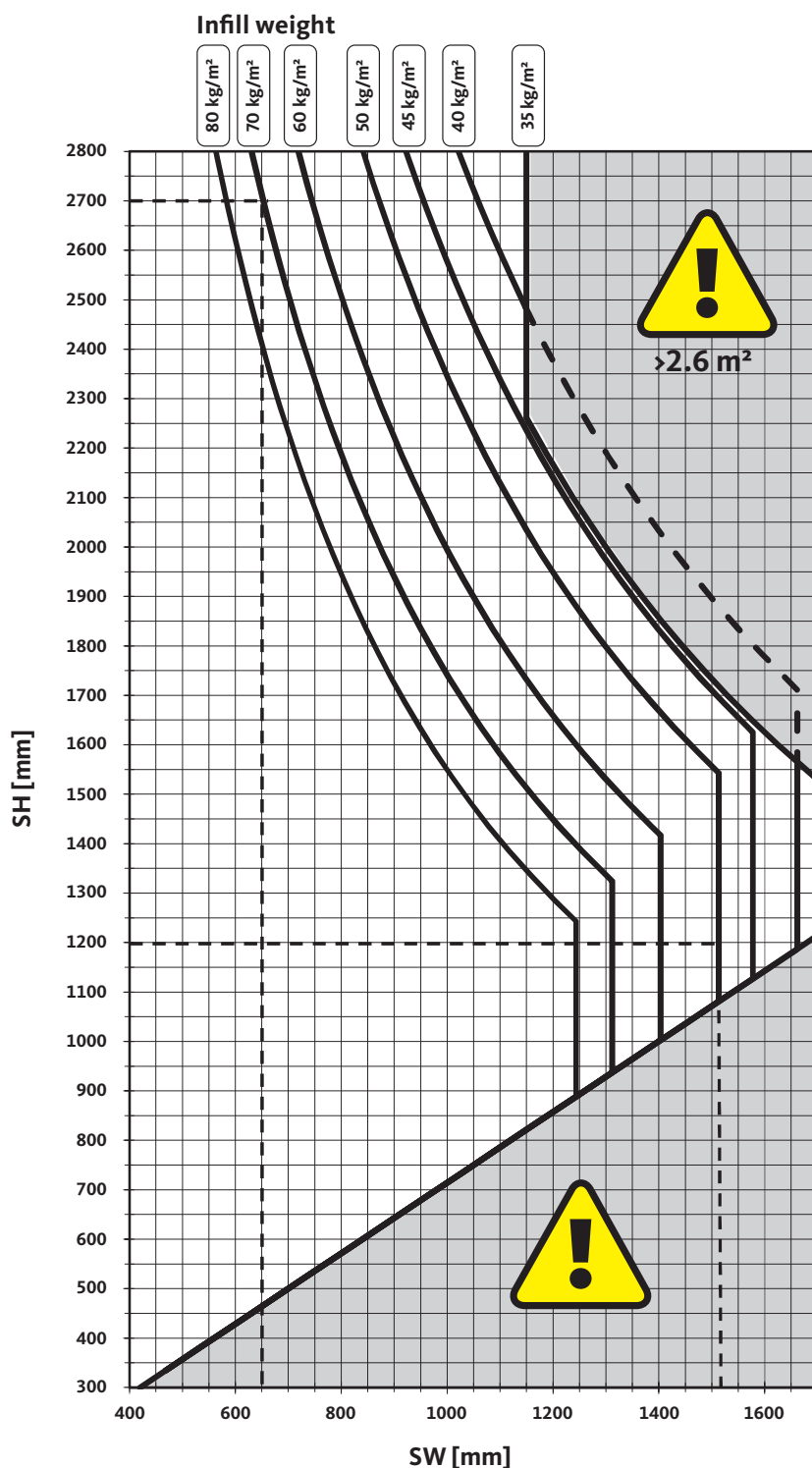
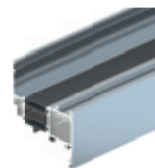
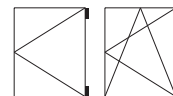
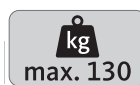
For notes on intended use, see 0-46789.

Test and calculation basis

- Tilt&Turn test acc. to EN 13126-8:2017 and EN 1191:2012
 - Class H2 (10.000 Tilt&Turn and Turn-Only cycles)
- Test format:
 - SRW 1300 x SRH 1200 : 80 kg

ALU-JET 610 application diagram

Tilt&Turn/Tilt-First/Turn-Only windows – with set of additional parts, hinge-side



Prerequisites for using the application diagram:

- Verifications regarding the attachment of load-bearing components to the window system by the window fabricator according to TDK with the following forces:

- 3525 N at the stay-bearing
- 3760 N at the pivot-rest

- Glass reduction GR $\geq$ 20 mm
- Profile weight PW $\leq$ 3,6 kg/m

Attention

The maximum sash weight of 130 kg is only permitted in certain areas of the application diagram.

Only sash formats to the left of the respective glass weight graph are permissible.

format not permitted

Reading examples

1. Infill weight = 70 kg/m²
With an SW = 650 mm, the max. SH = 2700 mm, which corresponds to a maximum sash weight of 130 kg.

2. Infill weight = 50 kg/m²
With an SH = 1200 mm, the max. SW = 1515 mm, which corresponds to a maximum sash weight of 100 kg.

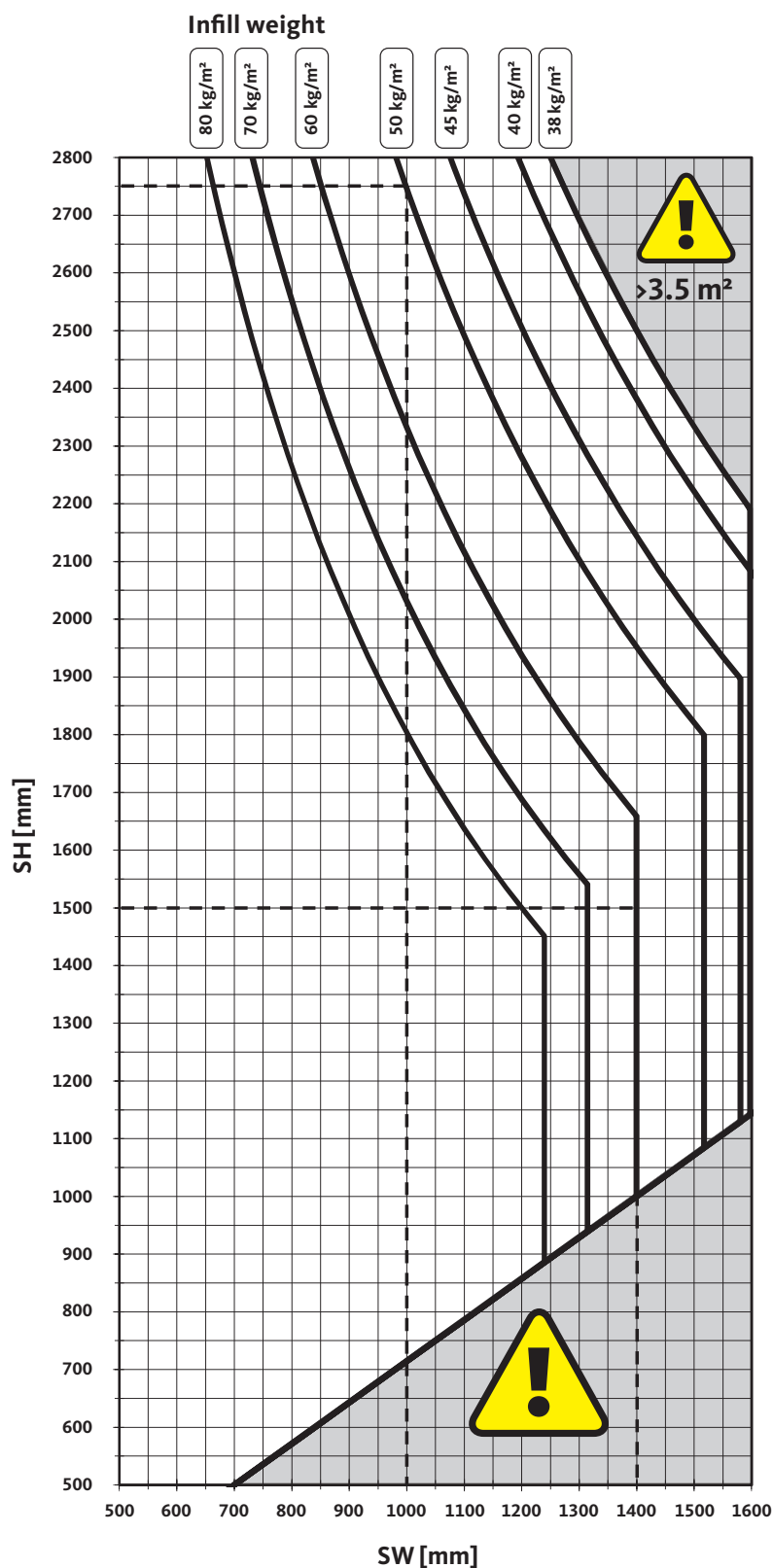
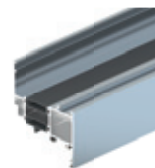
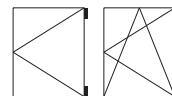
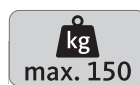
For notes on intended use, see 0-46789.

Test and calculation basis

- Tilt&Turn test acc. to EN 13126-8:2017 and EN 1191:2012
 - Class H2 (10.000 Tilt&Turn and Turn-Only cycles)
- Test format:
 - SRW 1300 x SRH 1200 : 130 kg

ALU-JET CC610 application diagram

Tilt&Turn/Tilt-First/Turn-Only windows



Prerequisites for using the application diagram:

- Verifications regarding the attachment of load-bearing components to the window system by the window fabricator according to TDK with the following forces:

- 3525 N at the stay-bearing
- 4340 N at the pivot-rest

- Glass reduction GR $\geq$ 20 mm
- Profile weight PW $\leq$ 3,6 kg/m

Attention

The maximum sash weight of 150 kg is only permitted in certain areas of the application diagram.

Only sash formats to the left of the respective glass weight graph are permissible.

format not permitted

Reading examples

- Infill weight = 50 kg/m²**
With an SW = 1000 mm, the max. SH = 2750 mm, which corresponds to a maximum sash weight of 150 kg.
- Infill weight = 60 kg/m²**
With an SH = 1500 mm, the max. SW = 1400 mm, which corresponds to a maximum sash weight of 133 kg.

For notes on intended use, see 0-46789.

Test and calculation basis

- Tilt&Turn test acc. to EN 13126-8:2017 and EN 1191:2012
 - Class H2 (10.000 Tilt&Turn and Turn-Only cycles)
- Test formats:
 - SRW 900 x SRH 2300 : 150 kg
 - SRW 1300 x SRH 1200 : 130 kg



	Reference No.	Description
Brochure		
	WP00374-XX-1-2	The ALU-JET 10 Tilt&Turn hardware range
Installation manuals		
	0-48088-DL-0-0	ALU-JET 10 T&T central locking system
	0-48089-DL-0-0	ALU-JET 10 TF central locking system
	0-48090-DF-0-0	ALU-JET 10 TU-ON central locking system
	0-48091-DF-0-0	ALU-JET 10 F&S central locking system
	0-48586-DF-0-0	ALU-JET 10 TI-ON central locking system
	0-48092-DF-0-0	ALU-JET 10 T&T central locking system – RC2
	0-48093-DF-0-0	ALU-JET 10 T&T central locking system – RC3
	0-48087-DL-0-0	ALU-JET 610 surface-mounted hinge-side
	0-47136-DF-0-0	ALU-JET CC610 concealed hinge side
Warranty/guarantee		
	0-46509-DL-0	Guidelines/advice on the product and on liability (GERMAN)
	0-48513-DL-0	Guarantee ALU-JET aluminium window systems



A series of 25 horizontal lines for writing notes, alternating between white and light grey background colors.

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Indicative character of technical information, exclusion of liability

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Page 12 ArchitektenConsort (Peter Couwenbergh / Edgar Bosman); Photographer: Edgar Bosman, NL-Rotterdam

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