

TILT & SLIDE SYSTEM



akpen®

**UPVC & ALUMINIUM
WINDOW & DOOR
ACCESSORIES**



“We will always be part of your house”

About Us

Our company started its activities with a small workshop in 1988. Nowadays, our company exports to 40 countries employing 370 people and manufacturing products in 26.000 square meters modern and high technology contained closed area factory located in Istanbul Hadimkoy.

Company Akpen, which has adopted the principle of Sustainable Quality Approach and Maximum Customer Satisfaction, has continued its investments in the field of automation and production technologies since 2010 and has become a brand frequently mentioned in the sector with its environmentally friendly high-tech production techniques and developed products.

With more than 30 years of manufacturing experience and experienced staff, it has achieved its goals. Akpen continues to lead his new targets without slowing down and is moving forward with sure steps towards becoming a worldwide known brand.

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Product Information

1. Product information and specified application

Side hung and tilt-turn hardware as covered by this definition is one hand-operation side hung and tilt-turn hardware for windows and balcony doors in building construction. By turning one handle it enables window and balcony door sashes to open into side hung position or into a limited ventilation position due to a scissors mechanism (sash-stay).

Side hung and tilt-turn hardware is used on vertically installed windows and balcony doors made of timber, pvc, aluminium or steel and their corresponding material combinations. Conventional side hung and tilt-turn hardware as covered by this definition, locks window and balcony door sashes and enables various ventilating positions. When closing, the gasket counter force must be overcome as a rule. Differing applications do not correspond to its specified application.

Burglar-resistant windows and balcony doors, windows and balcony doors for damp rooms and those for use in environments with aggressive, corrosive air content, require hardware adapted for the respective application and individually agreed upon performance features.

2. Misuse

- When obstacles are inserted in the opening vicinity between frame and sash, thus preventing its proper specified use.
- When window and balcony door sashes are pressed adversatively or uncontrolled (for example by the wind) up against the window reveals, so that the hardware, the frame material or other individual window or balcony door sash components are damaged or destroyed and/or if consequential damage can arise.
- When additional loads put on windows or balcony door sashes (for example if children swing on the window or balcony door sash).
- When while closing the window and balcony door sashes, someone reaches into the rebate between the sash and frame (injury hazard).

3. Liability

The respective entire hardware set may only consist of hardware components from AKPEN. In the case of inappropriately assembled hardware, and/or in case of non-original accessory components and/or non factory-approved components, no liability is accepted.

4. Product Information

The main goal of the products which are produced for all sorts of PVC and timber windows, is to offer the customer the required comfort. Therefore in the product range, there are alternatives suitable to the customer's demands and window types.

The security levels of the products, which are produced on the basis of basic security systems, can be easily changed. In some cases the change of the locking plate is sufficient to alter the security level. In other instances, the level of security is increased by changing the products. For security reasons, it is beneficial that the windows and balcony doors are produced according to specifications.

For preventing the sash from closing because of wind power when in tilt position, a snapper is mounted on the products. The wrong operation safety device or the sash positioner, which prevent the sash from being wrongly operated, can also be mounted to the product. Furthermore the resistance capacity is enhanced and the products have been developed so that the mechanisms work smoothly.

All mechanisms used at windows and balcony doors are produced in silver colour. For finishing, the nature-friendly plating technology is used. By this alkali based finishing technique, the corrosion resistance is increased due to the Cr+3 ions.

5. Product Performance

The AKPEN hardware can be used on all sashes up to 100 kg, as a standard. When sash weight exceeds 100 kg it is advised that AKPEN is consulted and additional hardware is supplied.

The presentation of the application diagrams on pages 9, 10 and 11 show the relationship between the permissible sash rebate widths and sash rebate heights, depending on various glass weights and/or thicknesses.

The resulting sash rebate dimensions or sash formats (vertically or horizontally) - as well as the maximum sash weight- must not be exceeded under any circumstances.

6. Maintenance

Security relevant hardware components are to be examined at least once a year for stability and wear and tear. Depending on the requirements, the fixing screws are to be tightened and/or parts to be replaced. In addition to this, the following maintenance work is to be carried out annually:

- All movable parts and locking points of the side hung and tilt-turn hardware have to be controlled and greased.
- Only cleaning and maintenance agents, which do not damage the corrosion protection of the hardware components, are to be used.

The hardware adjustments -particularly in the vicinity of the corner pivot rest and the scissors - as well as replacing parts and the unhinging and hinging of the active sash are to be carried out by a specialist company.

Hardware system

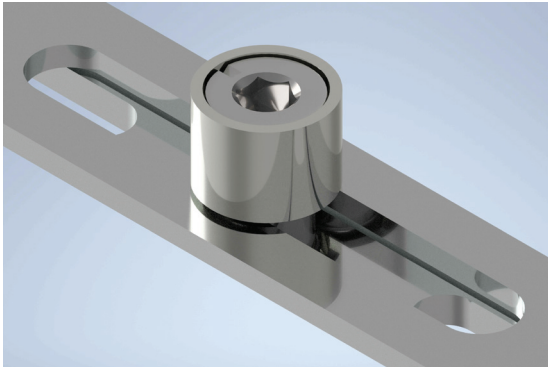
AKPEN Tilt & turn and side hung products are designed and manufactured in order to provide ergonomic opening and closing and high level security for users and easy assembly for the window producers.



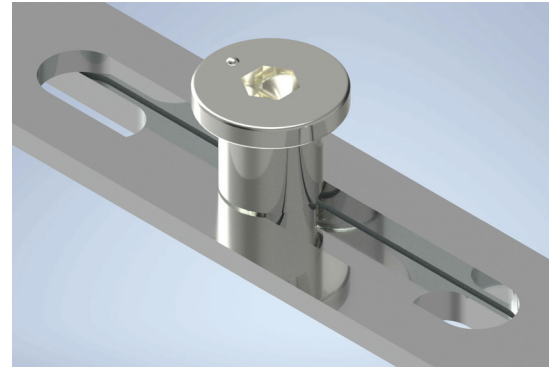
Locking pins and strikers

AKPEN Hardware system is equipped with standard cylindrical locking pins that have $\varnothing 11$ mm diameter with roller and $\pm 0,8$ mm adjustment range.

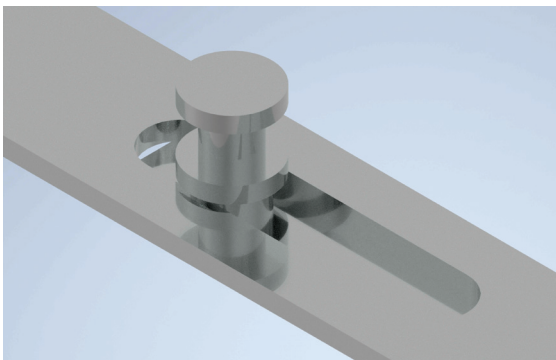
In order to provide high level security, AKPEN has mushroom type locking pins as well.



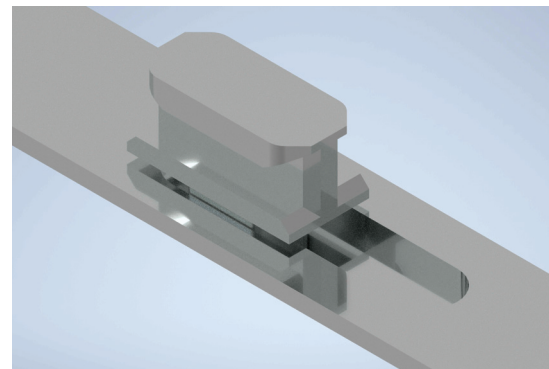
Standard Middle Lock Pin (ML)



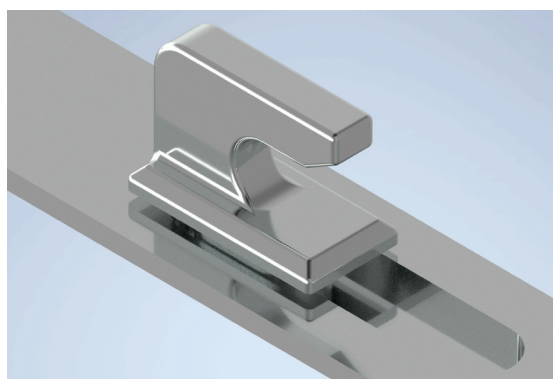
Security Middle Lock Pin (SeML)



Sliding Locking Pin (SLP)



Zamac Sliding Locking Pin (ZSLP)



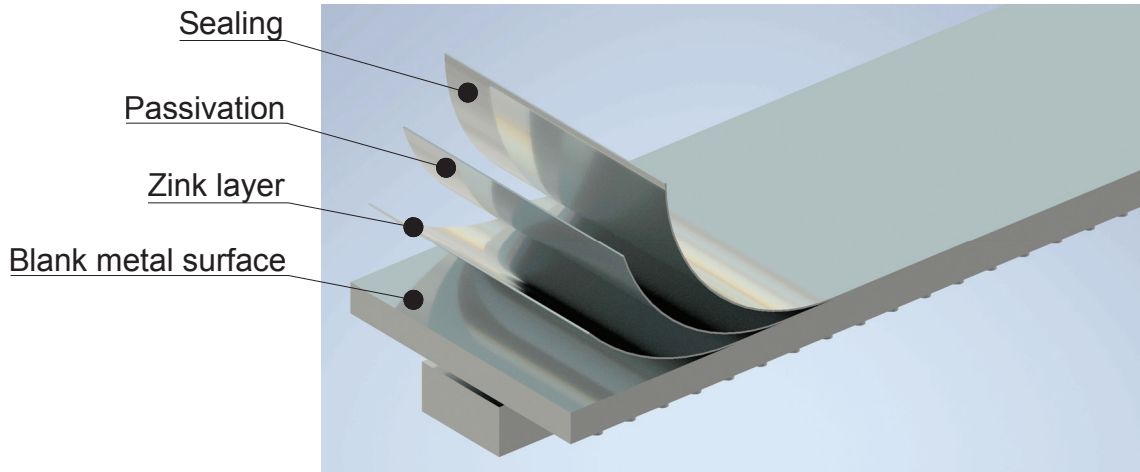
Sliding Hook Locking Pin (SHLP)

Quality

Surface Protection

All window and door hardware systems of AKPEN has a special surface finish against corrosion. All components are available in silver-look thanks to this technology.

This high level protection is obtained by means of galvanizing, passivation and sealing (varnish-coating).

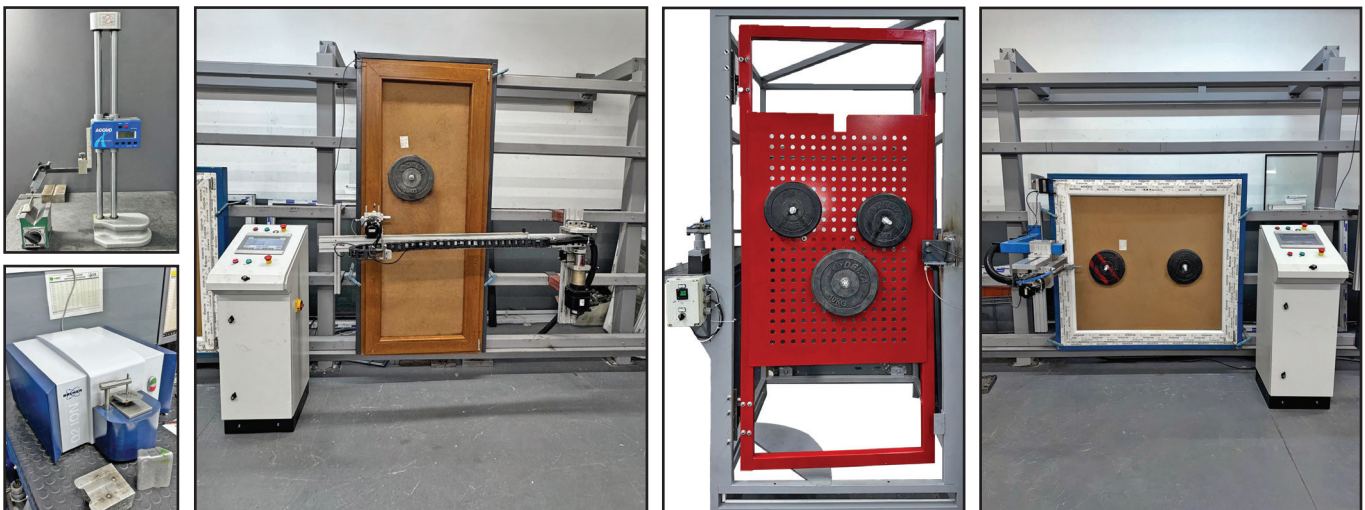


The surface of all AKPEN products is protected by means of 3 layers which provides high resistance for corrosion and thanks to this coating system 5th grade according to EN 1670 is reached (According to AKPEN test results)

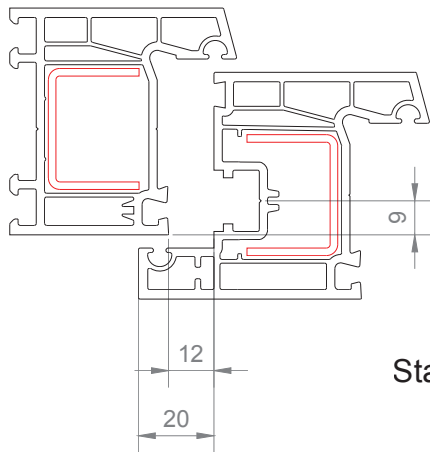
Durability

All hardware system are manufactured and tested according to European standards EN 13126-8, GOST 30777 and DSTU Б В.2.6-39. This provides long life durability for users. The capacity of hardware has been ensured by certifications according to the regulation EN 13126/8 tested at an European level.

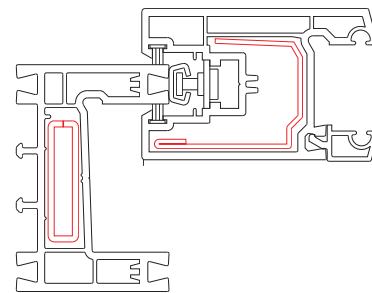
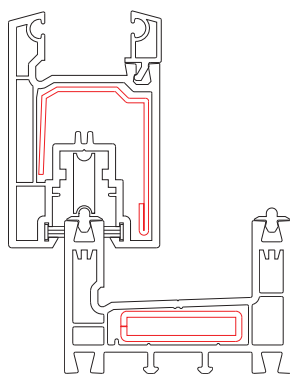
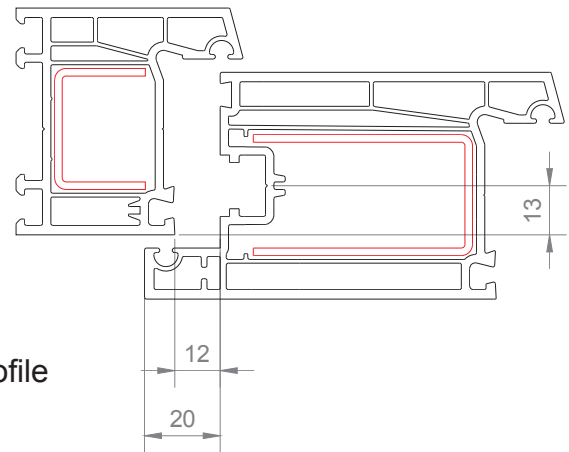
Every step of design, manufacturing and logistic processes are systematically controlled according to AKPEN high level quality requirements.



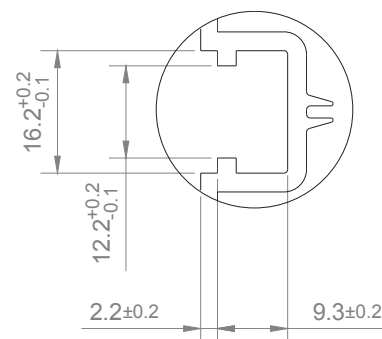
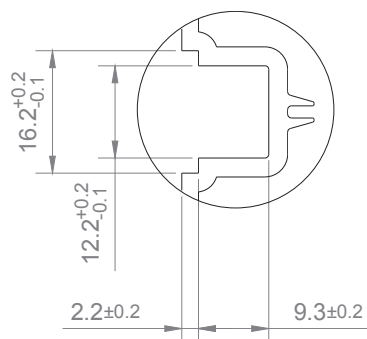
uPVC Profile Design



Standard uPVC profile



Standard uPVC sliding profile



Standard hardware groove dimensions and tolerances

Article Number Structure

XX.XXXXXX.XX.XX
 1 2 3 4 5

1- BRAND NUMBER (XX.XXXXXX.XX.XX)

00 : Without brand

01 : "AKPEN"

2- PRODUCT GROUP NUMBER (XX.XXXXXX.XX.XX)

AAA : Aluminum British handles

AAK : Aluminum bent handle

ACT : Glass wedge

AKK : Alu door handle

AKM : Adjustable door hinge

AKW : Screw

ALN : Allen key

APK : Alu window handle

ASG : Flyscreen equipments

AVK : Handle for parallel slide

BSI : Simple sliding gear

CNT : Scissors for gasket

CTL : Product catalogue

CTP : Pliers for glass wedge

DBL : Steel anchor

EMN : Safety device

FTL : Weather strip for sliding

G57 : H Mullion cover

HHD : New door handle

HHH : Aluminum and zink scraps

HOK : Mullion profile

INC : Plastic window handle (without spindle)

IZK : Striker zamak

IZO : Insulation materials

KIL : Mortise lock

KKI : Multipoint door lock

KLT : Door lock

KRJ : Sash grid elements

MIN : Mini locks

MNA : Alu hinge

MNC : PVC Cemom hinge

MNF : Vent

MNH : Alu speedy hinge

MNP : Plastic covered steel hinge

MNS : Steel hinge

MSP : Steel easy hinge

PLS : Plastic hinge

PNL : Sandwich panel

PRF : Profile

RTK : Furniture marker

SBL : Jig

SKO : Sliding sash profile

SOB : Mullion connector steel

SRM : Sliding sash with sill

STD : Product show booth

SUR : Insulation wedge for sliding system

TAI : Side hung gear

TCM : Trading products

TED : Ventilation handle

TFL : PTFE material

THI : Thiokol

TKK : Group products

TKM : Group

TPS : Plastic window handle (with spindle)

TSA : Alu sliding parts

TSM : Patallel slide manual systems

TSR : Parallel slide systems

TSS : Tilt and slide systems

TSY : Parallel slide semi-automatic

TTS : Tilt and turn systems

VVV : Tilt system

ZOB : Mullion connector, zamak

3- PRODUCT NUMBER (XX.XXXXXX.XX.XX)

a) TTS (Tilt and turn systems)

* TTS100 - TTS199 : Gear

* TTS200 - TTS299 : Stay arm

* TTS300 - TTS399 : Middle lock

* TTS400 - TTS499 : Diverse

* TTS500 - TTS599 : Double sash

* TTS600 - TTS699 : Hinge

* TTS700 - TTS799 : Shoot bolts

* TTS800 - TTS899 : Strikers

b) BSI - TAI (Sliding and side hung gears)

* BSI202 : 15 mm sliding gear, zamak gearbox

* BSI203 : 7,5 mm eko sliding gear, zamak gearbox

* BSI212 : 15 mm lockable sliding gear, zamak gearbox

* BSI222 : 15 mm sliding gear, steel gearbox

* BSI302 : 15 mm sliding gear, zamak gearbox, zamak pin

* BSI303 : 7,5 mm sliding gear, eko zamak gearbox, zamak pin

* TAI100 - TAI199 : 7,5 mm side hung gear

* TAI200 - TAI299 : 15 mm side hung gear

* TAI300 - TAI399 : 20 mm side hung gear

* TAI400 - TAI499 : 22 mm side hung gear

* TAI500 - TAI599 : 25 mm side hung gear

* TAI600 - TAI699 : 40 mm side hung gear

* TAI700 - TAI799 : 30 mm side hung gear

4- PRODUCT SIZE PROPERTIES (XX.XXXXXX.XX.XX)

a) Door handle products

* OL : Left

* OR : Right

* 00 : D 115 mm

* 01 : D 130 mm

* 02 : D 140 mm

* 03 : D 130 mm + 2 parts in different colours

* 10 : KV + D 115 mm

* 11 : KV + D 130 mm

* 12 : KV + 140 mm

V : Screw

KV : Cuttable screw

D : Spindle length

b) Window handle types

* 00 : D 35 mm

* 01 : D 38 mm

* 02 : D 45 mm

* 11 : D 38 (8 stops)

* 12 : D 45 (8 stops)

Article Number Structure

c) 80 kg - 120 kg Adjustable door hinges

* 00 : Frame part size 14 - 18 mm

KS:Z = Frame Zamak

KS:A = Frame Aluminum

KN:Z = Sash Zamak

KN:A = Sash Aluminum

d) 160 kg Adjustable door hinges

* 00 : Frame part size 15 - 19 mm

* 01 : Frame part size 17 - 21 mm

* 02 : Frame part size 19 - 23 mm

* 03 : Frame part size 23 - 27 mm

e) Hinge group article numbers

* 01 : Eko Hinge

* 03 : Heavy Hinge

* 05 : Egepen Max. Hinge

* 07 : Hinges with combinations

* 02 : AK Hinge

* 04 : Egepen Hinge

* 06 : Ado Marmara Hinge

f) Side hung and sliding gear sizes

* 01 : 300 mm (M-)

* 06 : 1200 mm (M-)

* 02 : 400 mm (M-)

* 07 : 1400 mm (M-)

* 03 : 600 mm (M-)

* 08 : 1600 mm (M+)

* 04 : 800 mm (M-)

* 09 : 1800 mm (M+)

* 05 : 1000 mm (M-)

* 10 : 2000 mm (M+)

(M-) : Without centering pin

(M+) : With centering pin

g) Lockable gears

* 00 : With standard locking pin

* 01 : With security locking pin

h) Mortise locks

* 00 : Standard lock

* 01 : Standard lock + locking plate

* ZZ : Lock with zamak WC cylinder

i) Tilt and turn parts

* 00 : Without locking pin

* 01 : With standard locking pin

* 02 : With security locking pin

j) Profile fitting groove positions

* 01 : 9 mm

* 02 : 13 mm

* 04 : 14 mm

k) Rebate Hinge groove positions and directions

* L1 : Left 13 mm

* L4 : Left 14 mm

* R1 : Right 13 mm

* R4 : Right 14 mm

* L2 : Left 9 mm

* R2 : Right 9 mm

l) Shoot bolt striker types

* 01 : Adjustable shoot bolt striker (rounded)

* 06 : Zamak shoot bolt striker, 9 mm

* 02 : Adjustable shoot bolt striker (cornered)

* 07 : Zamak shoot bolt striker 13 mm

* 03 : Adjustable shoot bolt striker (rounded) with anchorage

* 08 : Double sash thin striker

* 04 : Adjustable shoot bolt striker (cornered) with anchorage

* 09 : Security striker

* 05 : Steel shoot bolt striker

* 10 : Top striker for long shoot bolt with lever

* 11 : Bottom striker for long shoot bolt with lever

m) Tilt locking plate types

* 11 : Tilt locking plate vertical, 9 mm

* 21 : Tilt locking plate horizontal, 9 mm

* 12 : Tilt locking plate vertical, 13 mm

* 22 : Tilt locking plate horizontal, 13 mm

* 13 : Tilt locking plate vertical, 10 mm

* 23 : Tilt locking plate horizontal, 10 mm

* 14 : Tilt locking plate vertical, 14 mm

* 24 : Tilt locking plate horizontal, 14 mm

5 - SURFACE TREATMENT TYPES AND SIZES (XX.XXXXXX.XX.XX)

a) Surface treatments

* 00 : Zink plated surface

* 05 : RAL 8022 Black brown

* 11 : RAL 1001 Beige

* 16 : Anodized bronze

* 01 : RAL 9016 Traffic white

* 06 : RAL 9005 Jet black

* 12 : RAL 1011 Brown beige

* 17 : RAL 1013 Oyster white

* 02 : RAL 8003 Clay brown

* 07 : RAL 1015 Light ivory

* 13 : Anodized gold - 1

* 18 : Gold 4

* 03 : RAL 8017 Chocolate brown

* 08 : RAL 7016 Anthracite grey

* 14 : Anodized gold - 2

* 19 : Anodized bronze 4

* 04 : RAL 8019 Grey brown

* 15 : Anodized grey

* 20 : Anodized bronze 5

b) Tilt and turn gear lengths

* 00 : 250 mm (450 - 550)

* 02 : 900 mm (700 - 1200)

* 04 : 1400 mm (1200 - 1700)

* 06 : 2100 mm (1900 - 2400)

* 01 : 400 mm (550-700)

* 03 : 1100 mm (900 - 1400)

* 05 : 1900 mm (1700 - 2200)

c) Stay arm sizes

* 01 : 450 mm (350 - 600)

* 02 : 500 mm (400 - 600)

* 03 : 700 mm (600 - 850)

* 04 : 950 mm (850 - 1100)

* 05 : 1200 mm (1100 - 1350)

d) Middle lock sizes

* 01 : 170 mm

* 02 : 500 mm

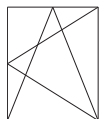
* 03 : 700 mm

* 04 : 1000 mm

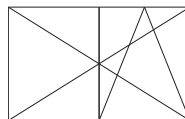
* 05 : 1500 mm

* 06 : 1700 mm

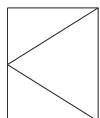
Symbols and notations



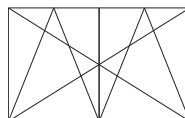
Rectangular tilt and turn system



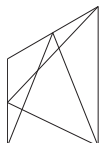
Double sash
Rectangular tilt and turn system



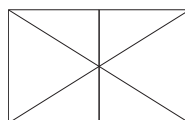
Rectangular side hung system



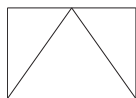
Double sash rectangular
Double tilt and turn system



Angular tilt and turn system



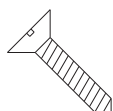
Double sash
Rectangular side hung system



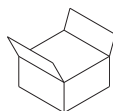
Bottom hung system



Arched tilt and turn system



Number of screw holes



Packaging quantity (pcs)

"ML" : Middle lock (Locking point)

"SeML" : Security middle lock (Locking point)

"SRH" : Sash rebate height

"SRW" : Sash rebate width

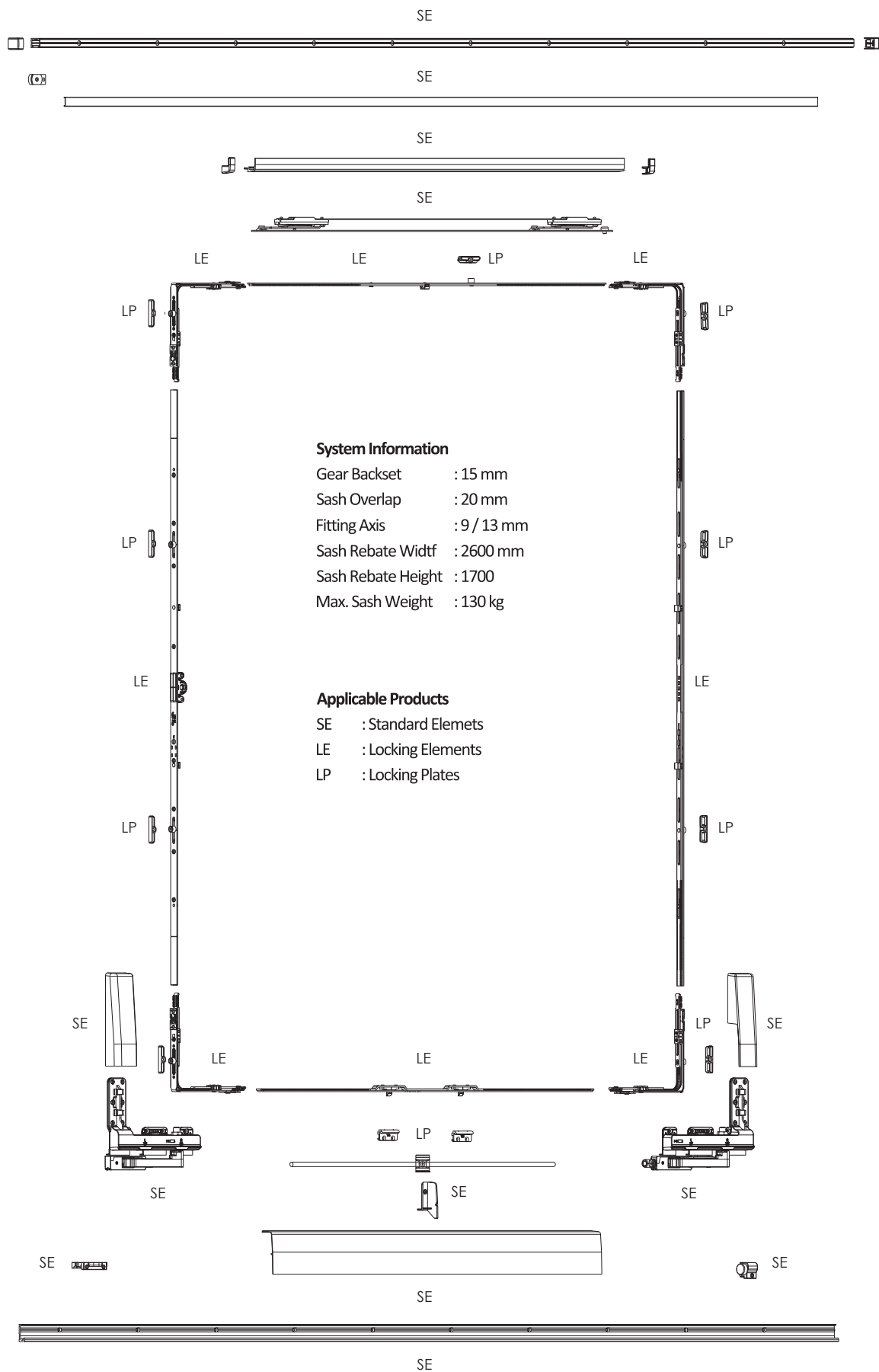
Parallel Slide & Tilt System



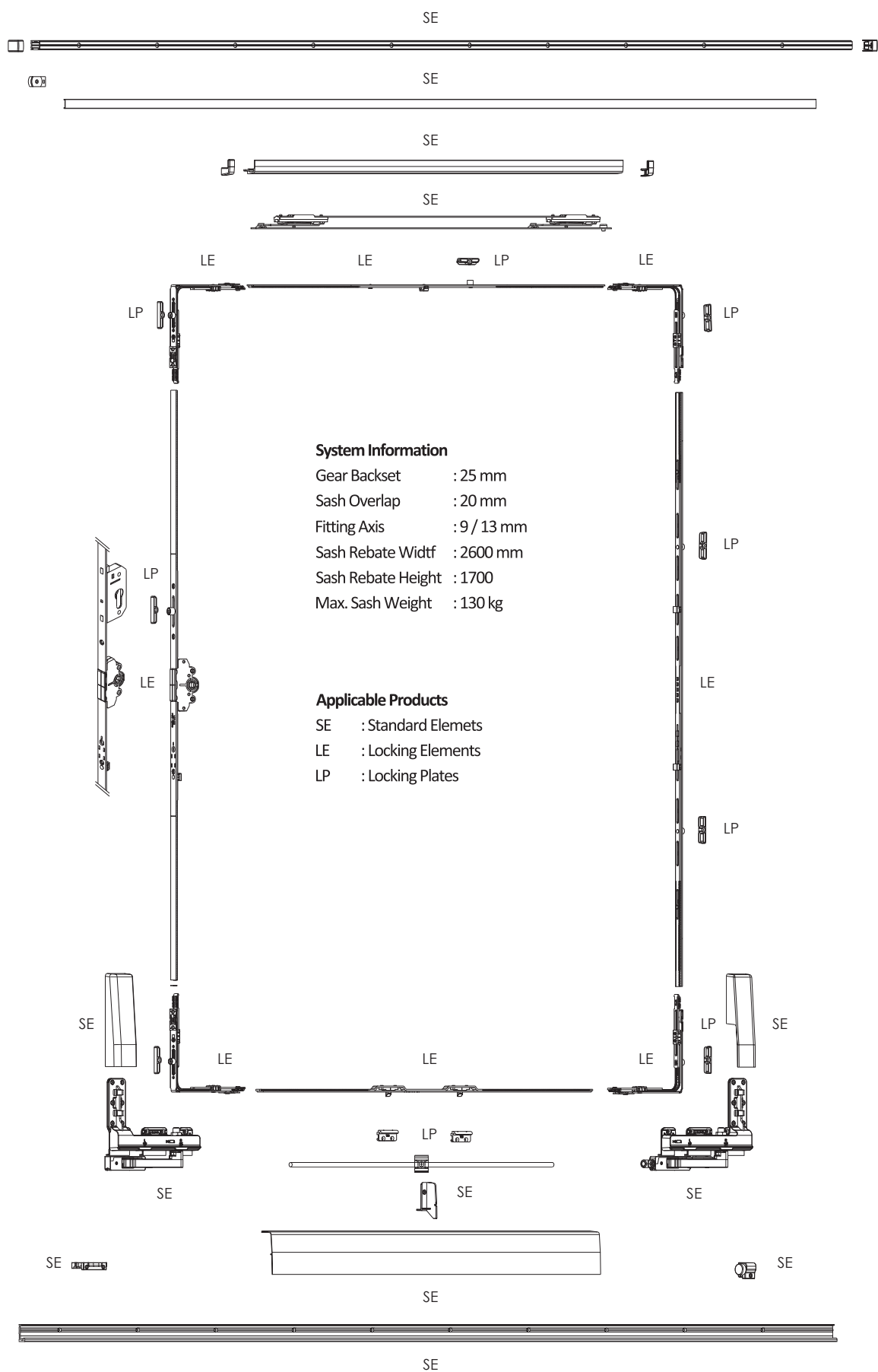
Parallel Slide & Tilt System



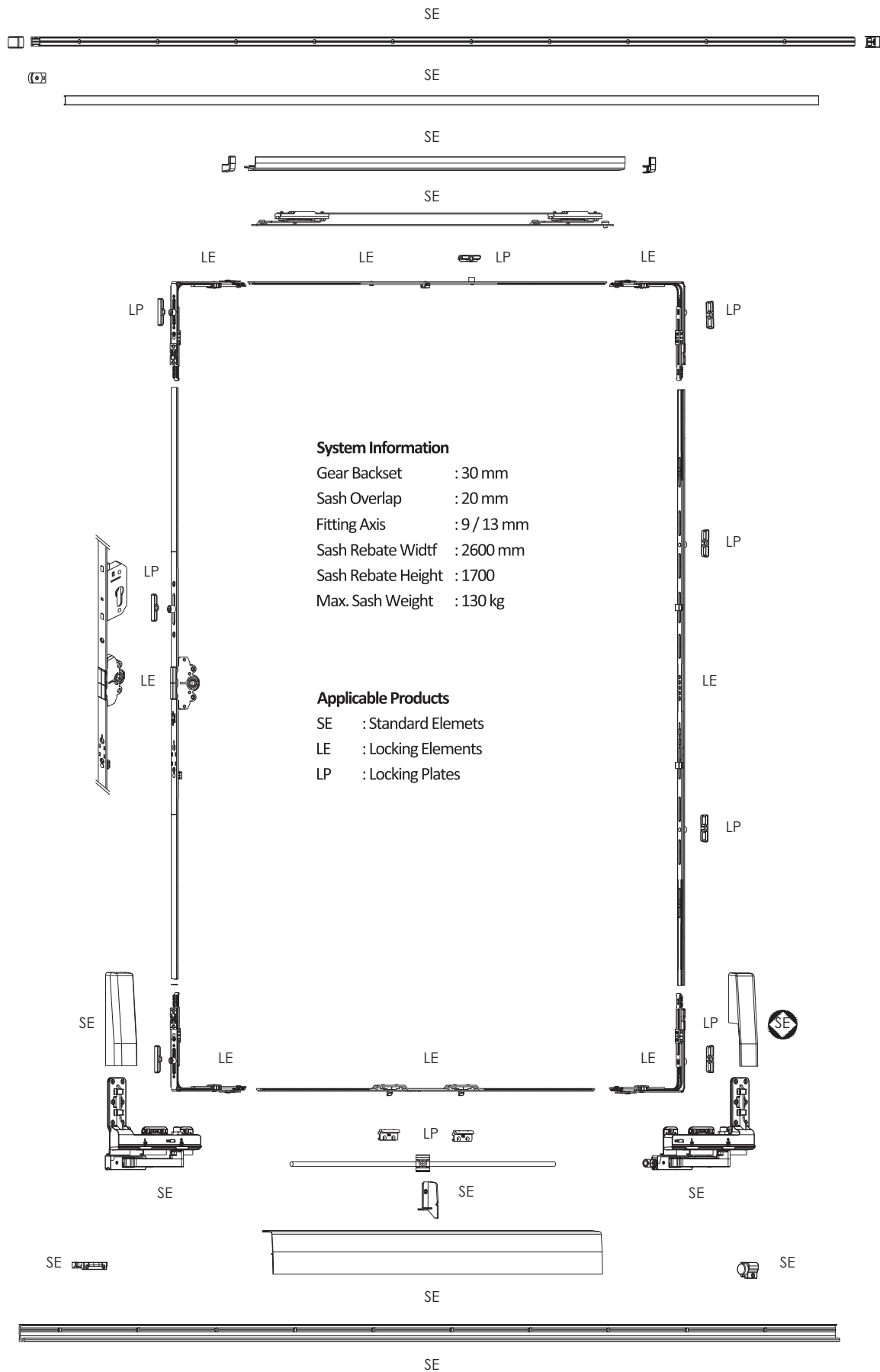
15 mm Backset Basic Security Level Semi Automatic System



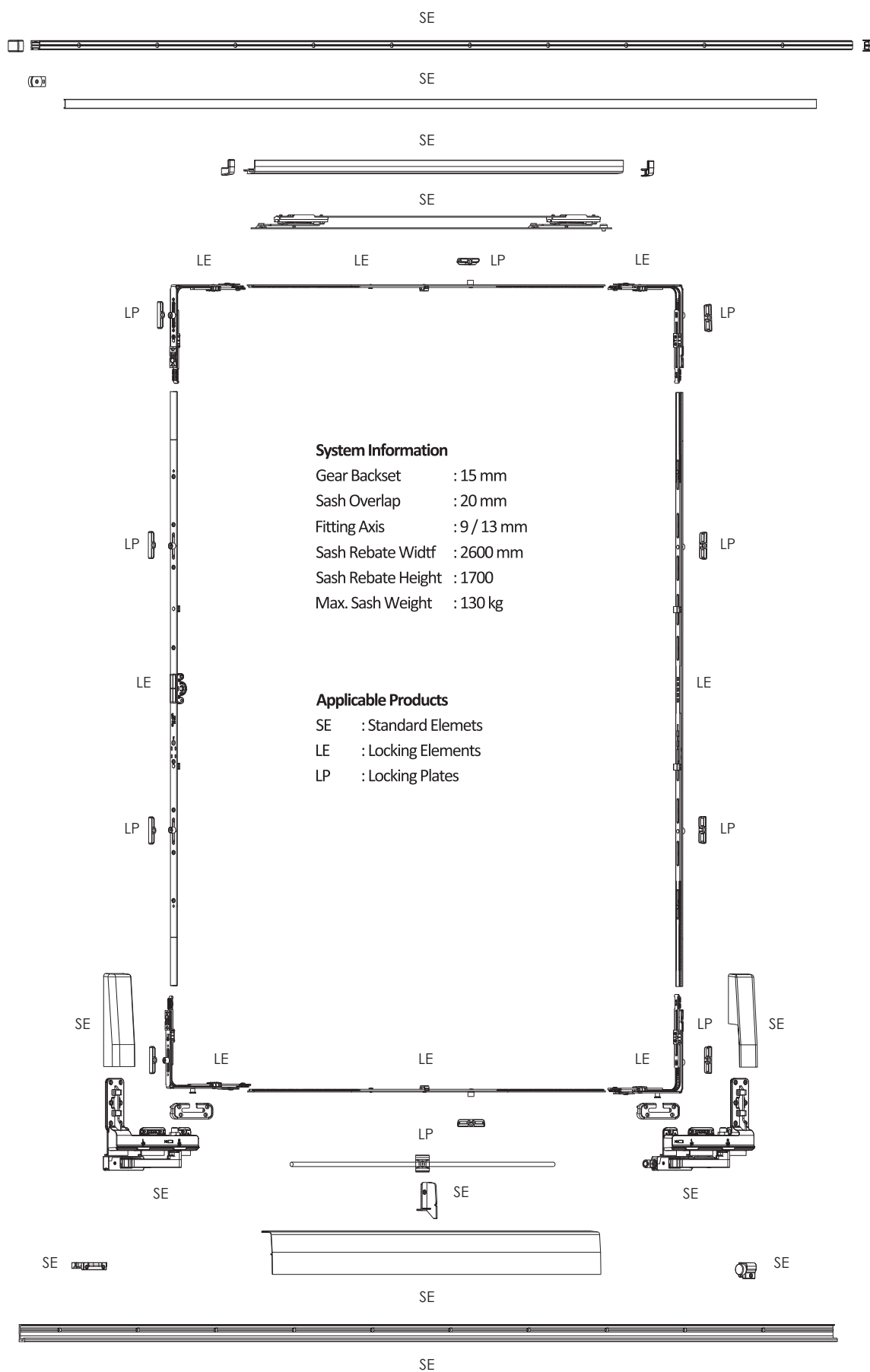
25 mm Backset Basic Security Level Semi Automatic System



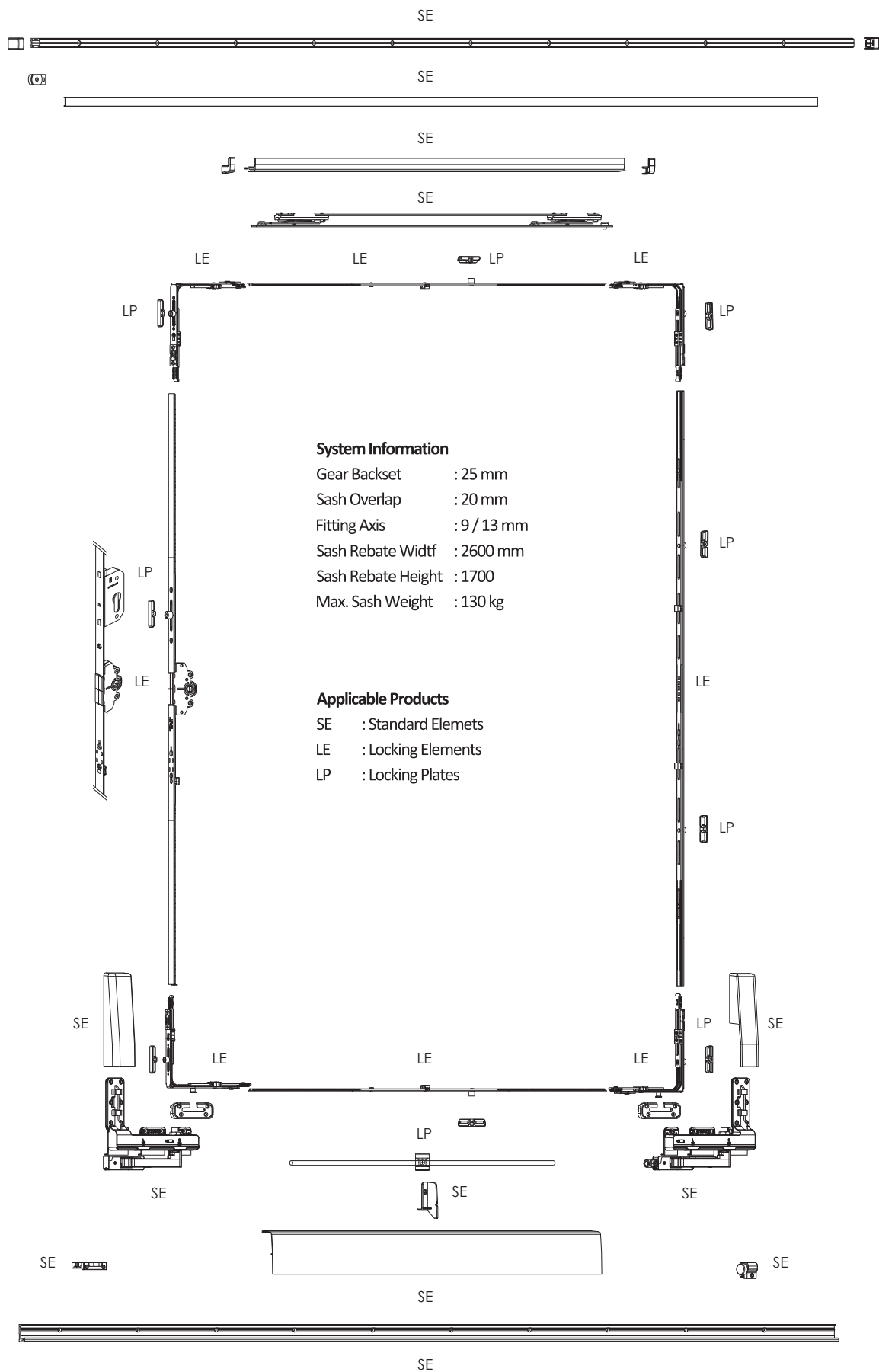
30 mm Backset Basic Security Level Semi Automatic System



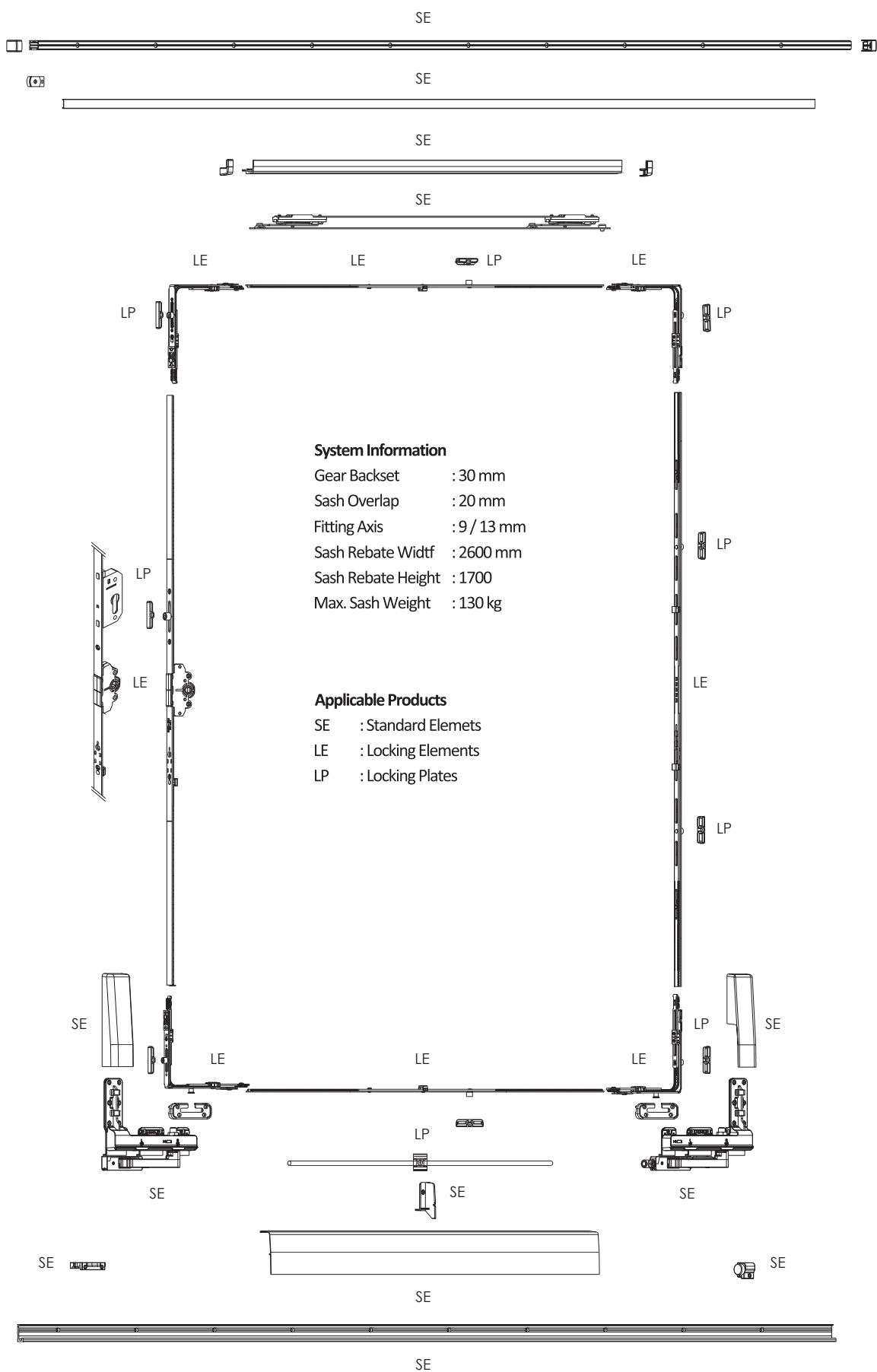
15 mm Backset Basic Security Level Manual System



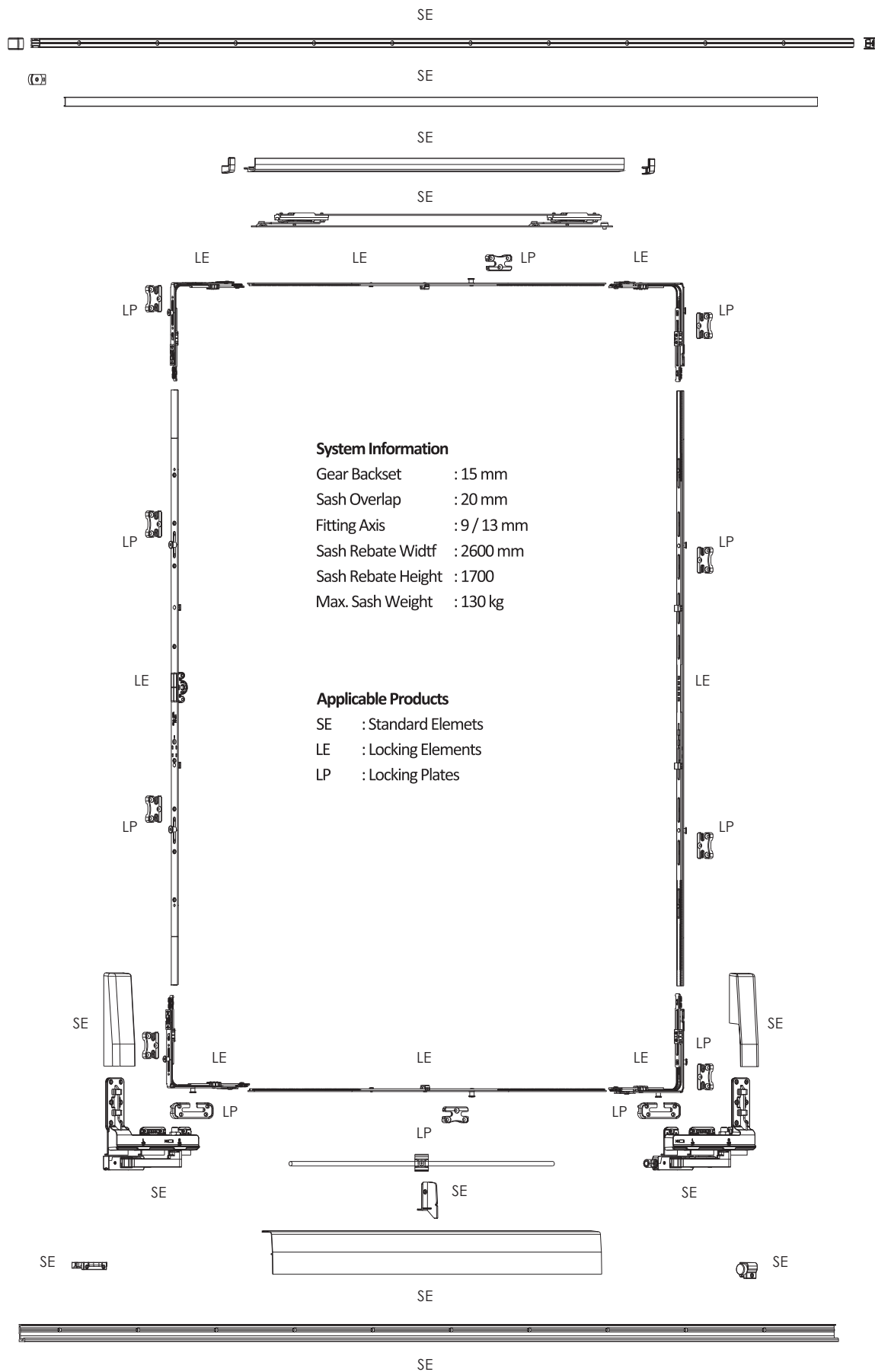
25 mm Backset Basic Security Level Manual System



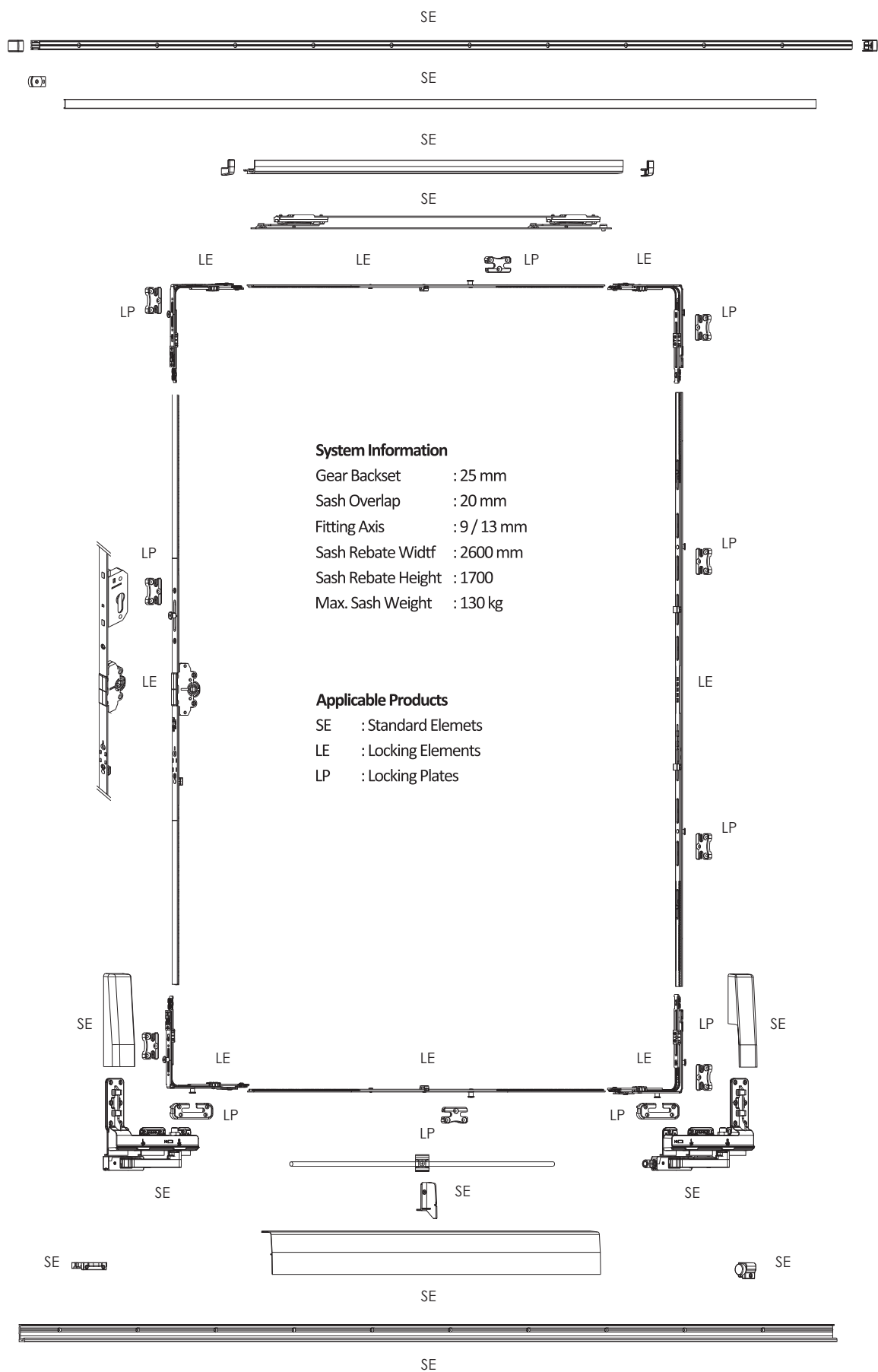
30 mm Backset Basic Security Level Manual System



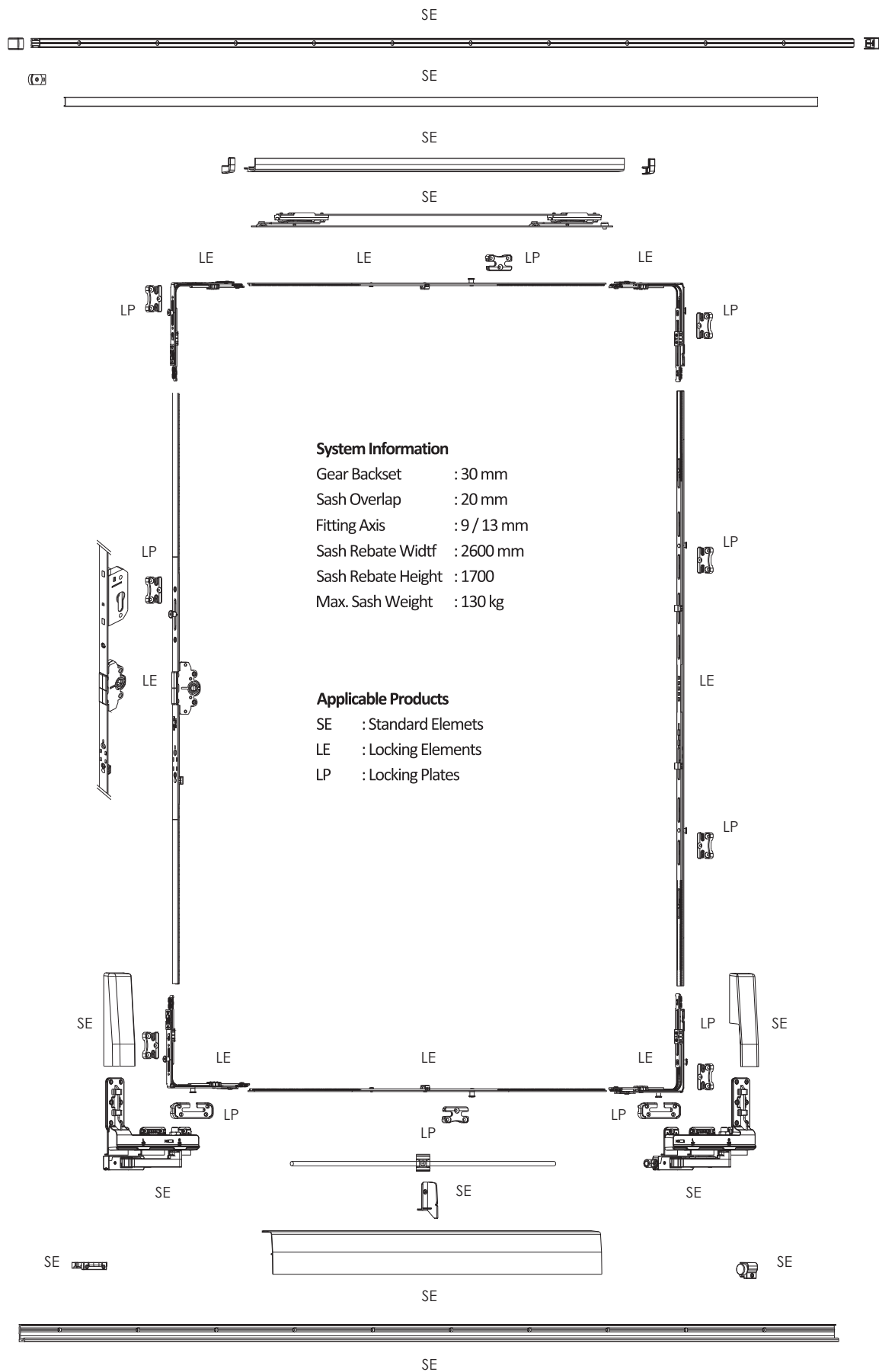
15 mm Backset High Security Level Manual System



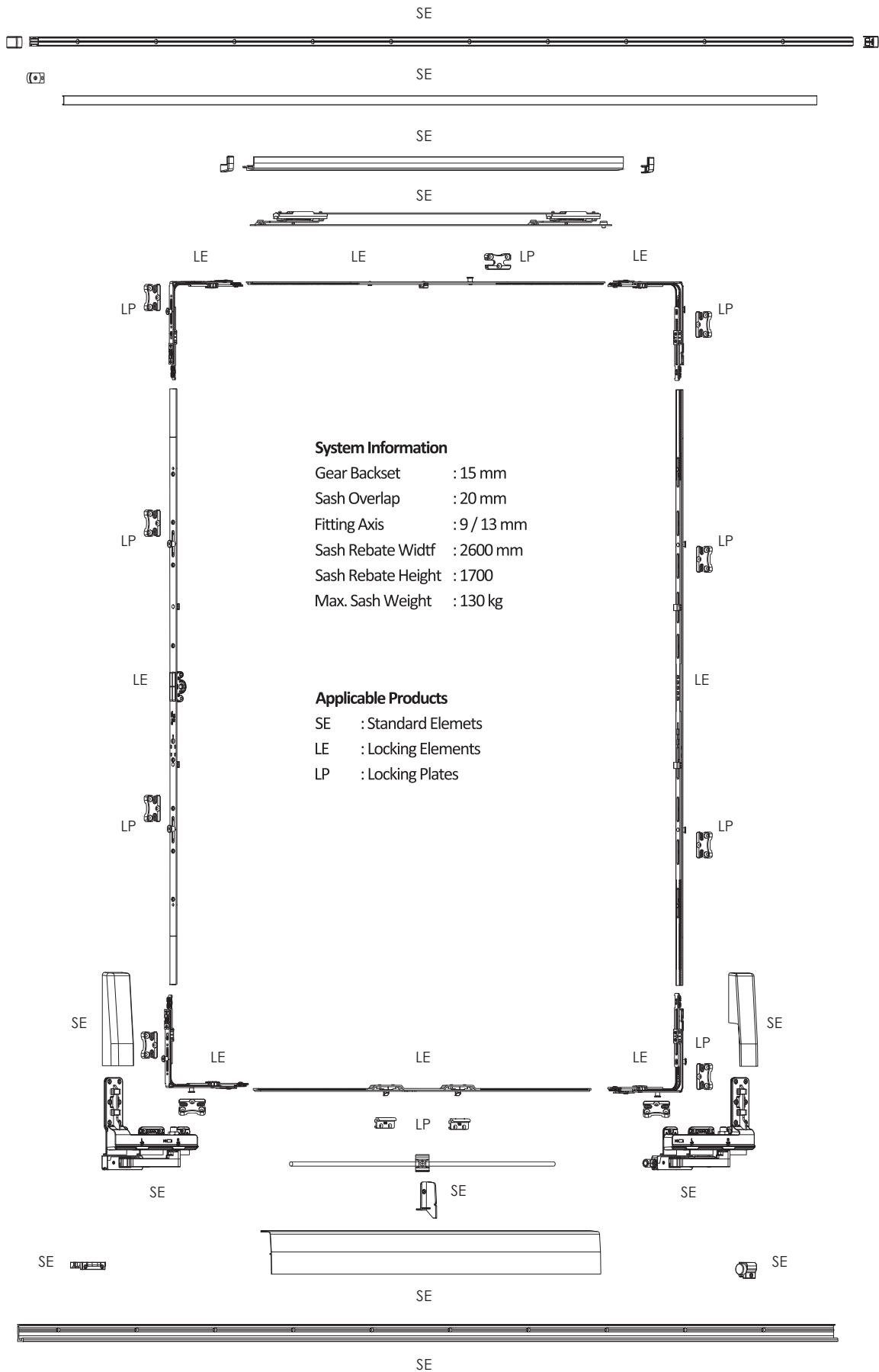
25 mm Backset High Security Level Manual System



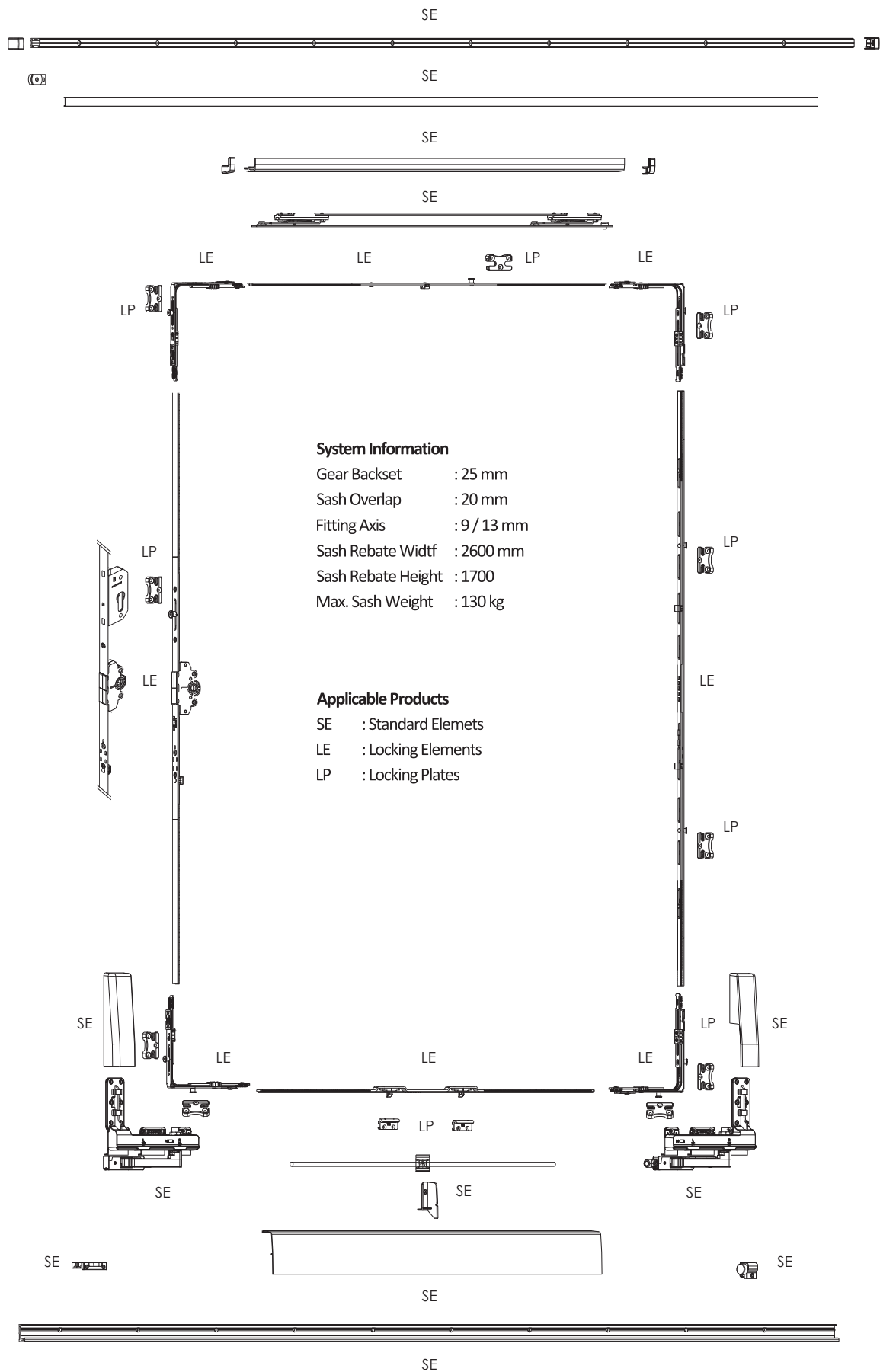
30 mm Backset High Security Level Manual System



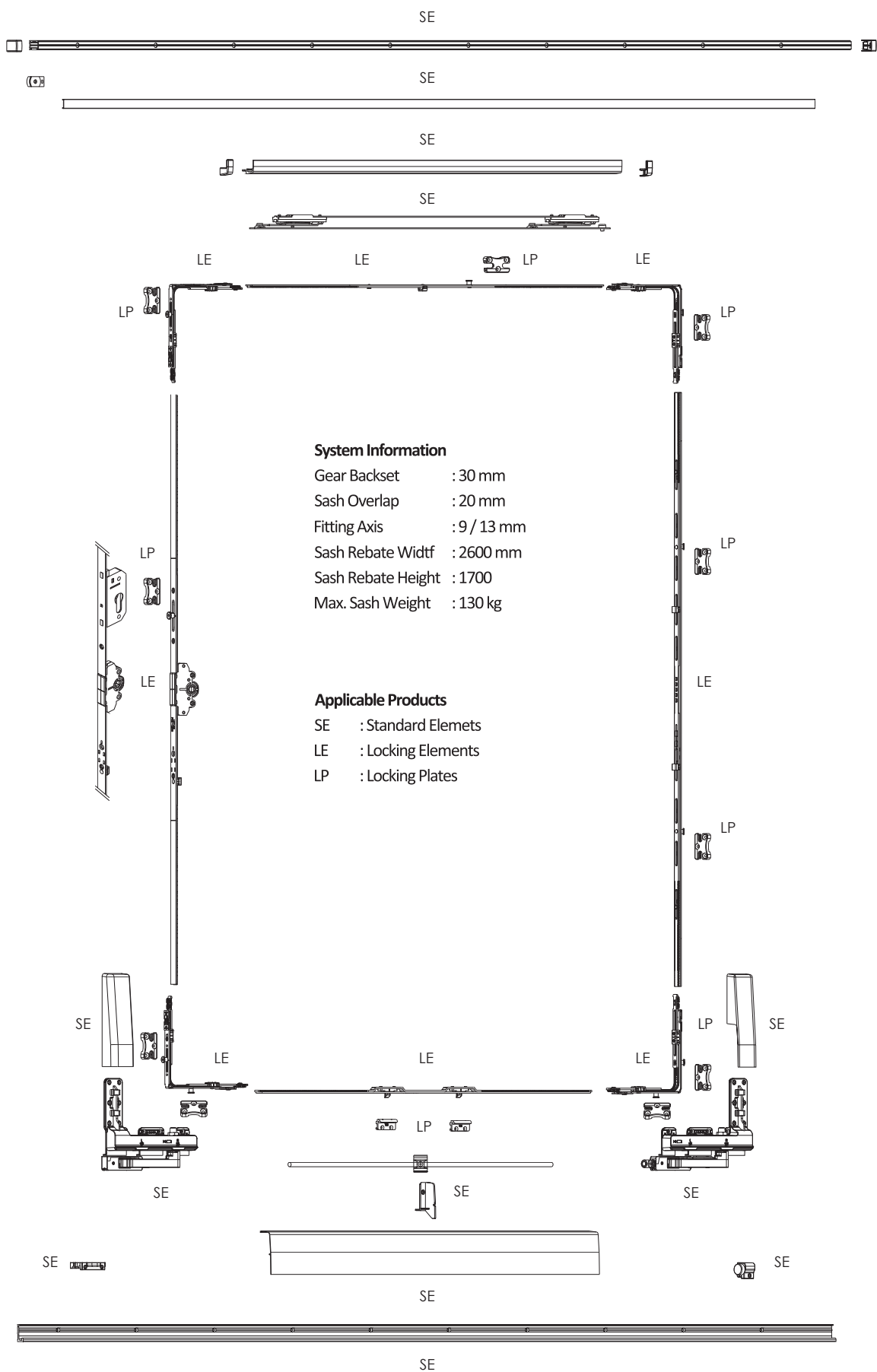
15 mm Backset High Security Level Semi Automatic System



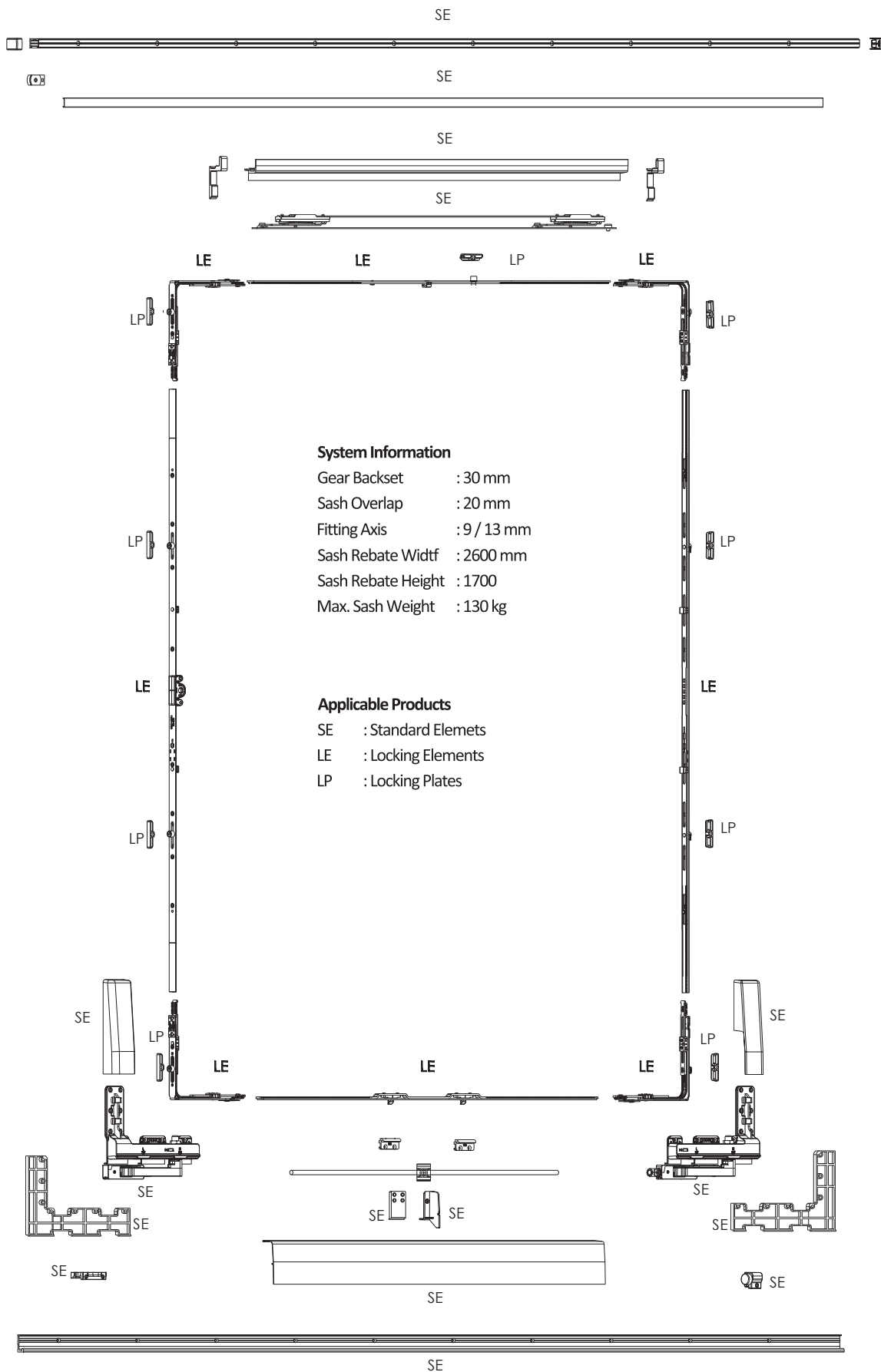
25 mm Backset High Security Level Semi Automatic System



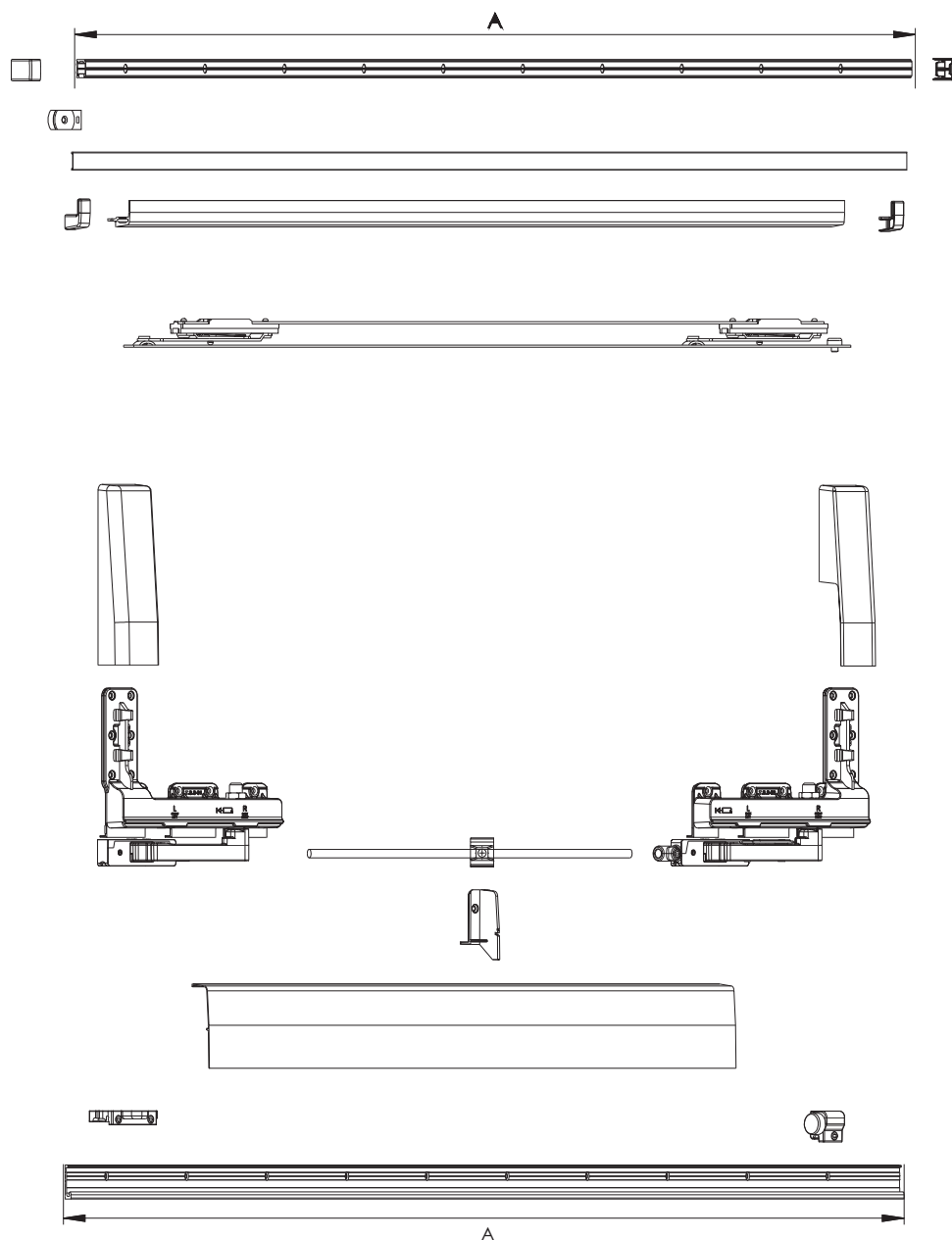
30 mm Backset High Security Level Semi Automatic System



15 mm Backset Parallel Slide and Tilt System for Aluminum



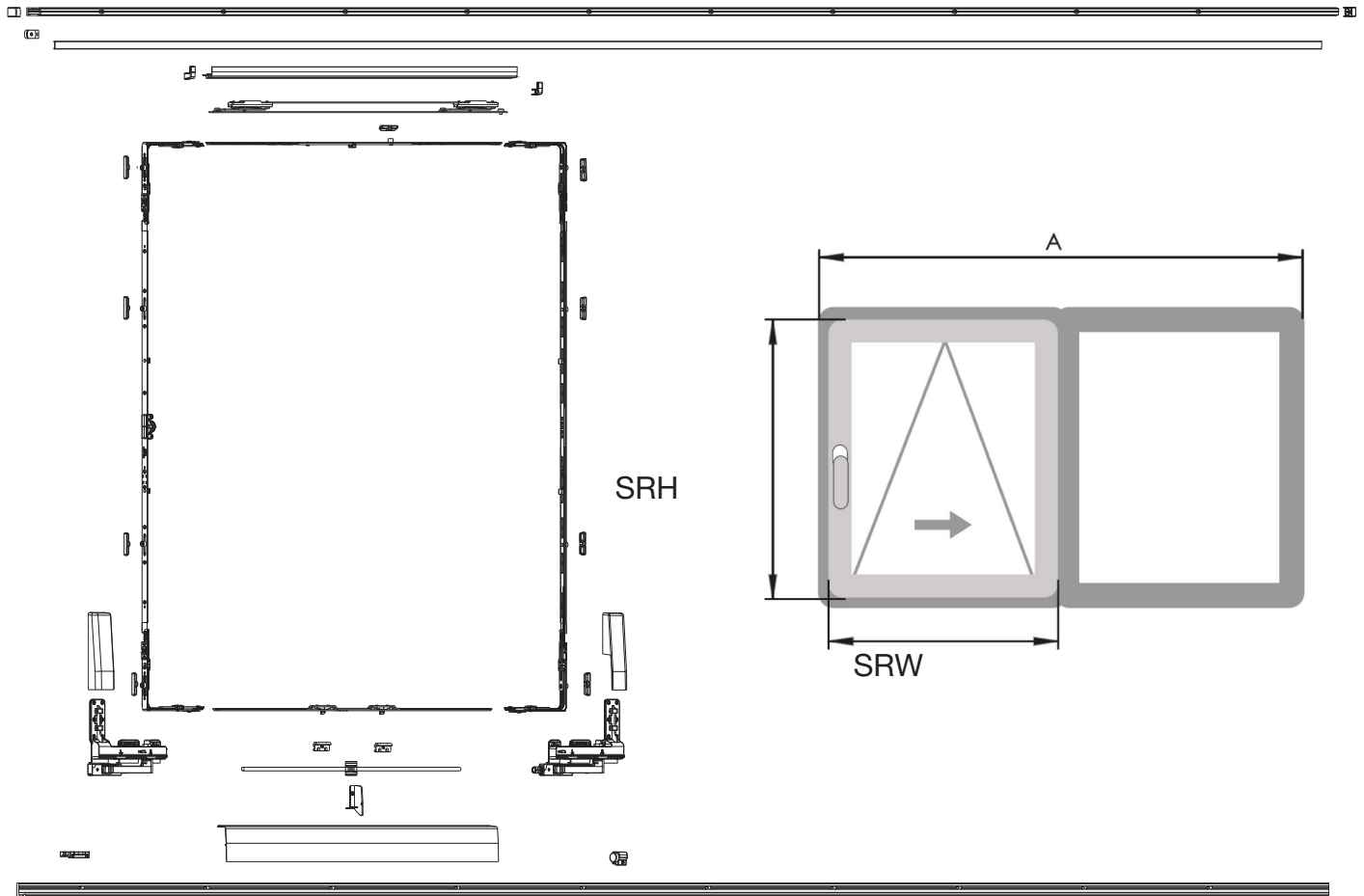
Classic Parallel Slide and Tilt Components



A	ARTICLE NO	QTY
1930	01.TSR193.10.01	1
2630	01.TSR263.10.01	1
3430	01.TSR343.10.01	1

DIRECTION	ARTICLE NO	QTY
Left	01.TSS024.01.00	1
Right	01.TSS024.02.00	1

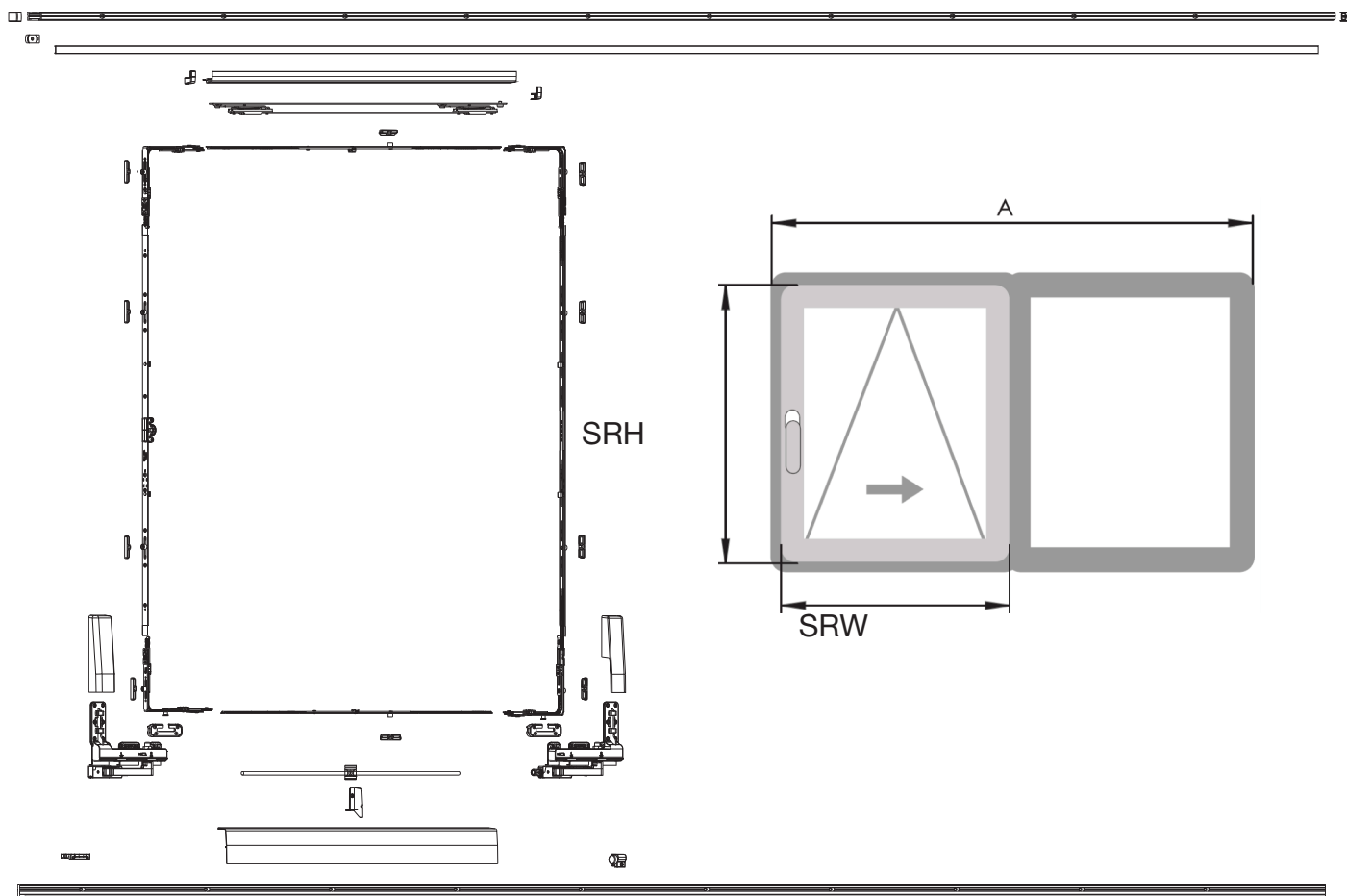
15 mm Backset Semi Automatic Parallel Slide and Tilt System



DIRECTION	ARTICLE NO	QTY
Left	01.TSY100.0L.01	1
Right	01.TSY100.0R.01	1

A	SRW	SRH	ARTICLE NO	QTY
1930	600 - 900	700 - 1200	01.TSY193.0A.01	1
		900 - 1400	01.TSY193.0B.01	1
		1200 - 1700	01.TSY193.0C.01	1
		1700 - 2200	01.TSY193.0D.01	1
		1900 - 2400	01.TSY193.0E.01	1
2630	900 - 1200	700 - 1200	01.TSY263.0A.01	1
		900 - 1400	01.TSY263.0B.01	1
		1200 - 1700	01.TSY263.0C.01	1
		1700 - 2200	01.TSY263.0D.01	1
		1900 - 2400	01.TSY263.0E.01	1
3430	1200 - 1500	700 - 1200	01.TSY343.0F.01	1
		900 - 1400	01.TSY343.0G.01	1
		1200 - 1700	01.TSY343.0H.01	1
		1700 - 2200	01.TSY343.0K.01	1
		1900 - 2400	01.TSY343.0L.01	1
	1500 - 1700	700 - 1200	01.TSY343.0A.01	1
		900 - 1400	01.TSY343.0B.01	1
		1200 - 1700	01.TSY343.0C.01	1
		1700 - 2200	01.TSY343.0D.01	1
		1900 - 2400	01.TSY343.0LE01	1

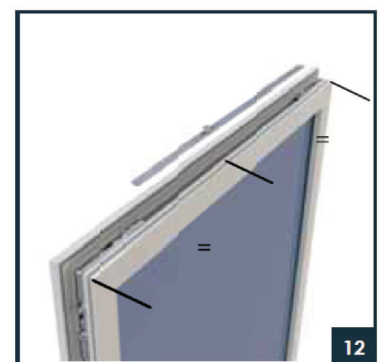
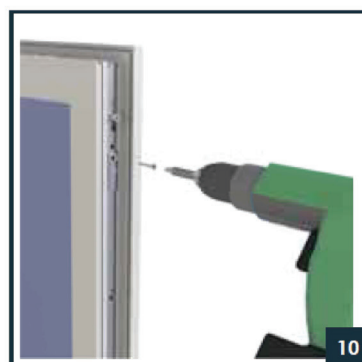
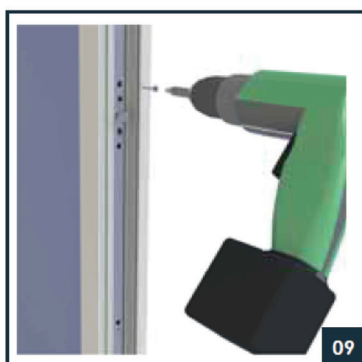
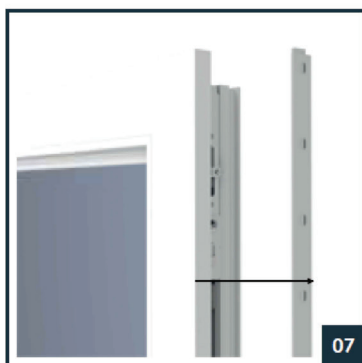
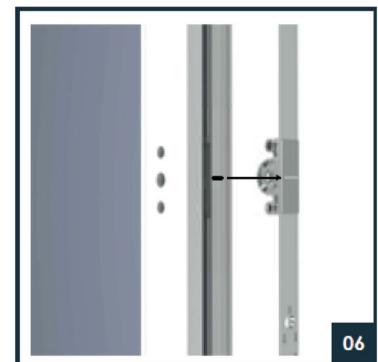
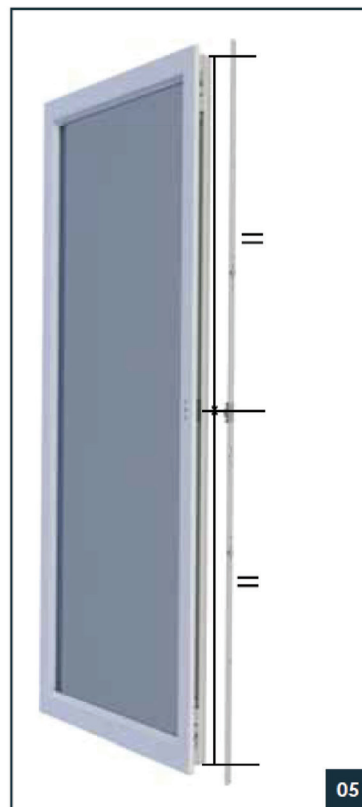
15 mm Backset Manual Parallel Slide and Tilt System



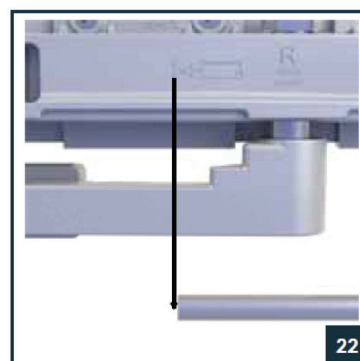
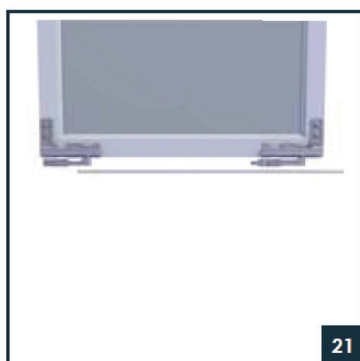
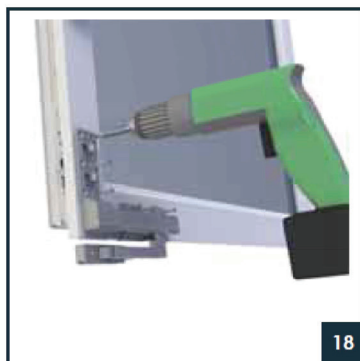
DIRECTION	ARTICLE NO	QTY
Left	01.TSY100.0L.01	1
Right	01.TSY100.0R.01	1

A	SRW	SRH	ARTICLE NO	QTY
1930	600 - 900	700 - 1200	01.TSY193.0A.01	1
		900 - 1400	01.TSY193.0B.01	1
		1200 - 1700	01.TSY193.0C.01	1
		1700 - 2200	01.TSY193.0D.01	1
		1900 - 2400	01.TSY193.0E.01	1
2630	900 - 1200	700 - 1200	01.TSY263.0A.01	1
		900 - 1400	01.TSY263.0B.01	1
		1200 - 1700	01.TSY263.0C.01	1
		1700 - 2200	01.TSY263.0D.01	1
		1900 - 2400	01.TSY263.0E.01	1
3430	1200 - 1500	700 - 1200	01.TSY343.0F.01	1
		900 - 1400	01.TSY343.0G.01	1
		1200 - 1700	01.TSY343.0H.01	1
		1700 - 2200	01.TSY343.0K.01	1
		1900 - 2400	01.TSY343.0L.01	1
	1500 - 1700	700 - 1200	01.TSY343.0A.01	1
		900 - 1400	01.TSY343.0B.01	1
		1200 - 1700	01.TSY343.0C.01	1
		1700 - 2200	01.TSY343.0D.01	1
		1900 - 2400	01.TSY343.0LE01	1

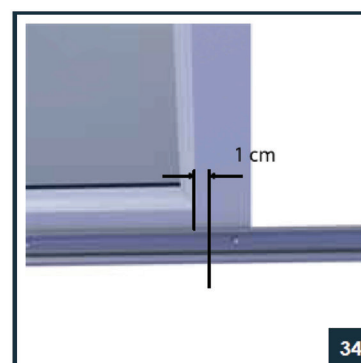
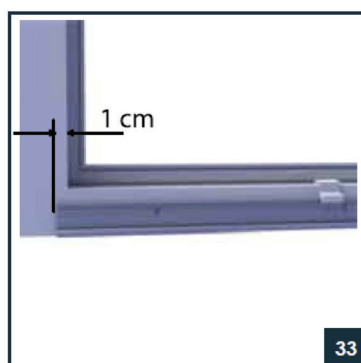
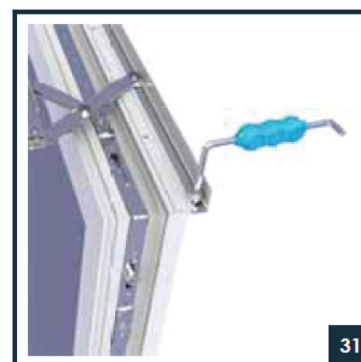
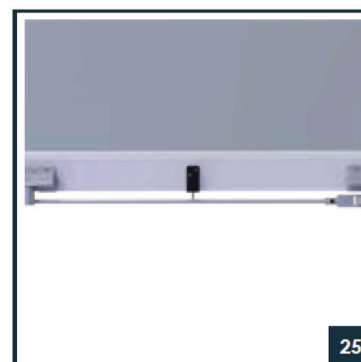
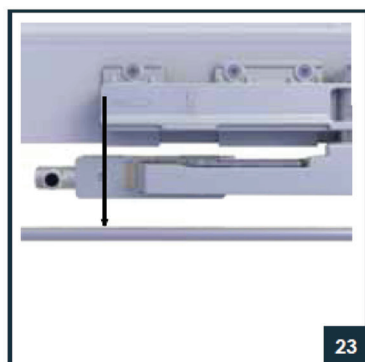
Assembly Instructions



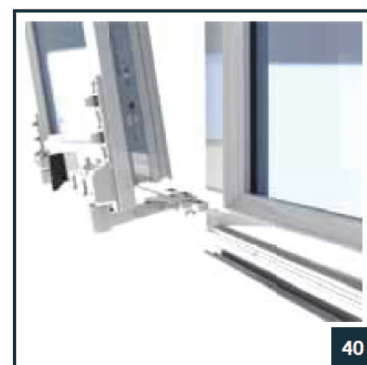
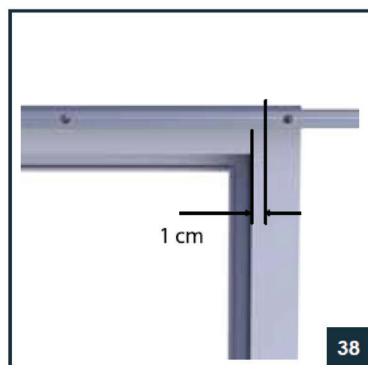
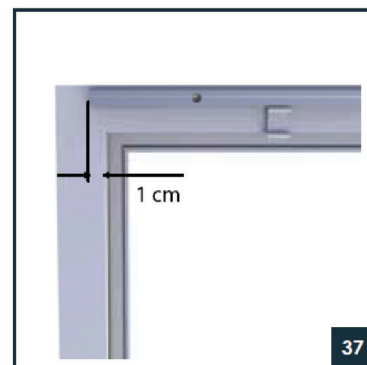
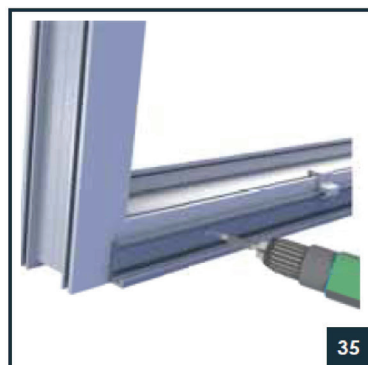
Assembly Instructions



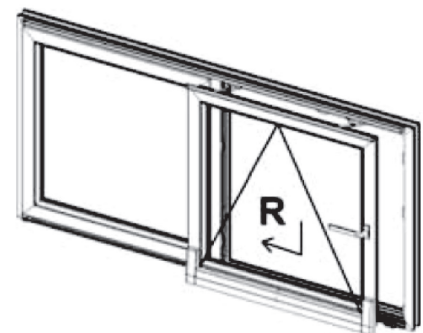
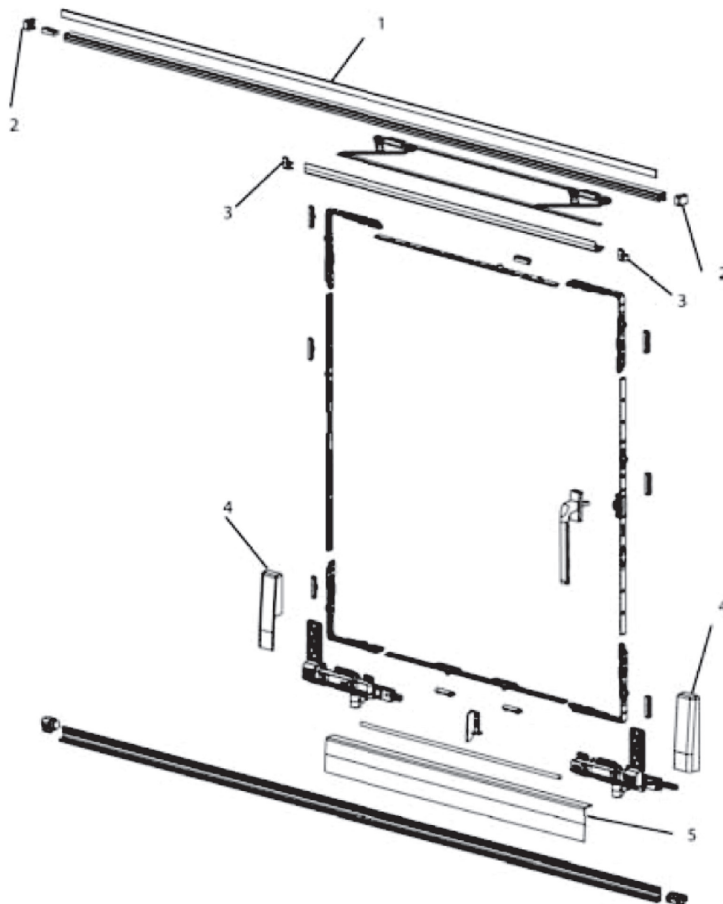
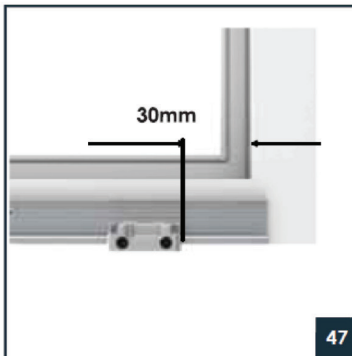
Assembly Instructions



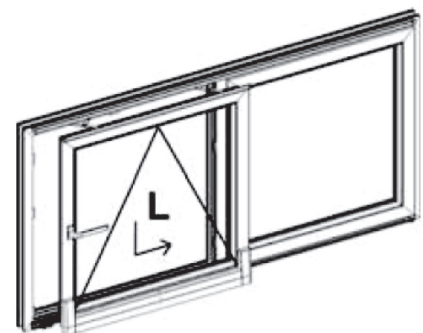
Assembly Instructions



Assembly Instructions



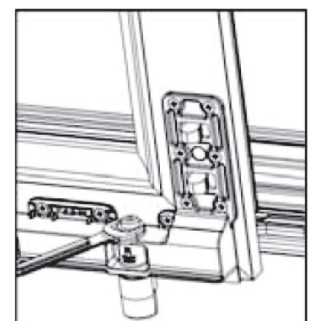
RIGHT DOOR



LEFT DOOR

- 1- Top Rail Cover is cutted as long as Top Rail's lenght and assembled to Top Rail.
- 2- Top rail side covers are fixed to Top Rail after assembly of Top Rail Cover.
- 3- Sash Connection Profile covers are assembled to profile.
- 4- Aluminium Rail Cover is assembled to Aluminium Rail Cover Holder.
- 5- As last step of assembly, roller covers are assembled to rollers and assembly process is finished.

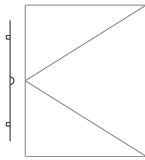
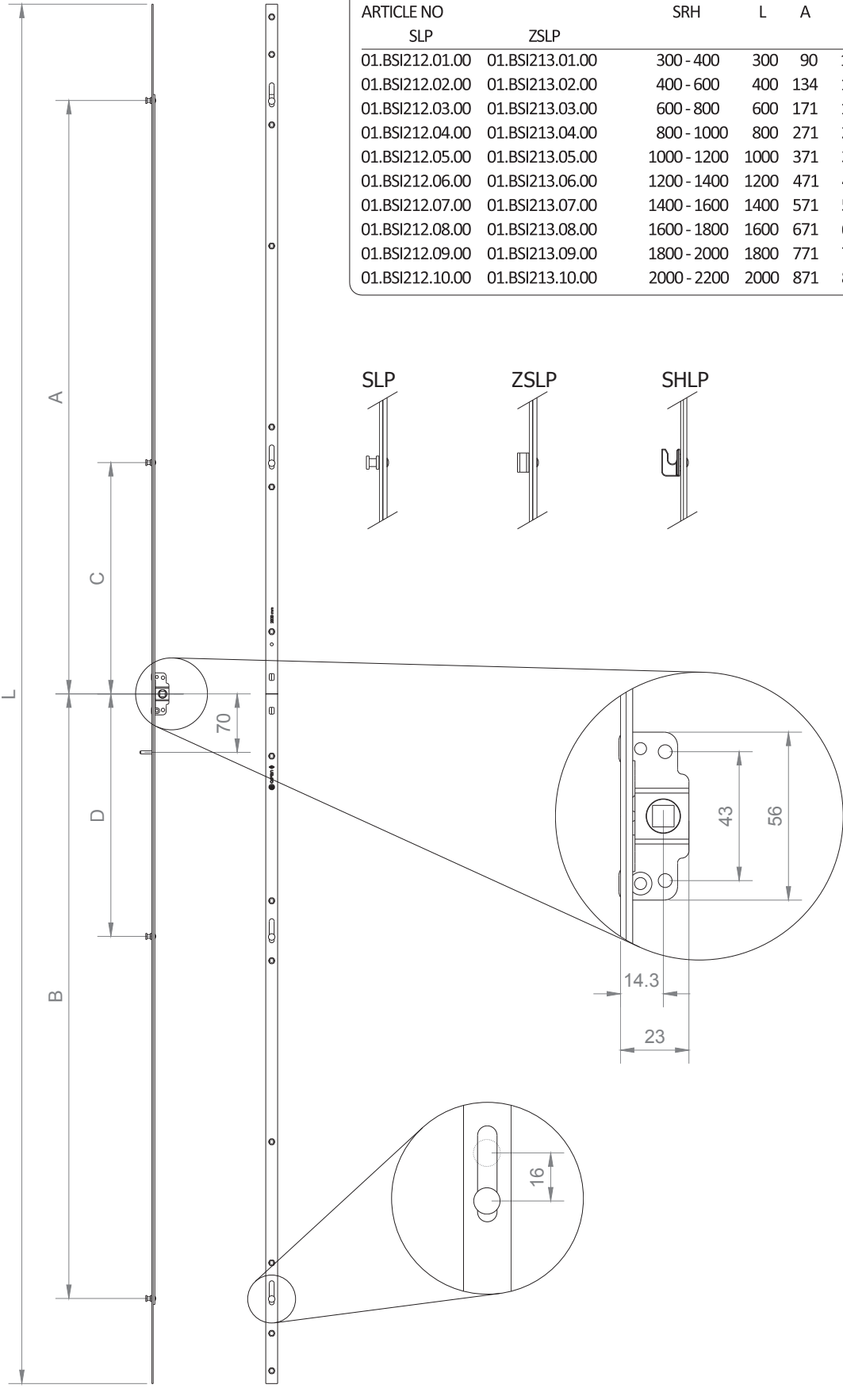
Sash height adjustent can be done by unfastening the nut onto the roller by 19 key and by fastening or unfastening the hex screw by SW4 Hex Key.



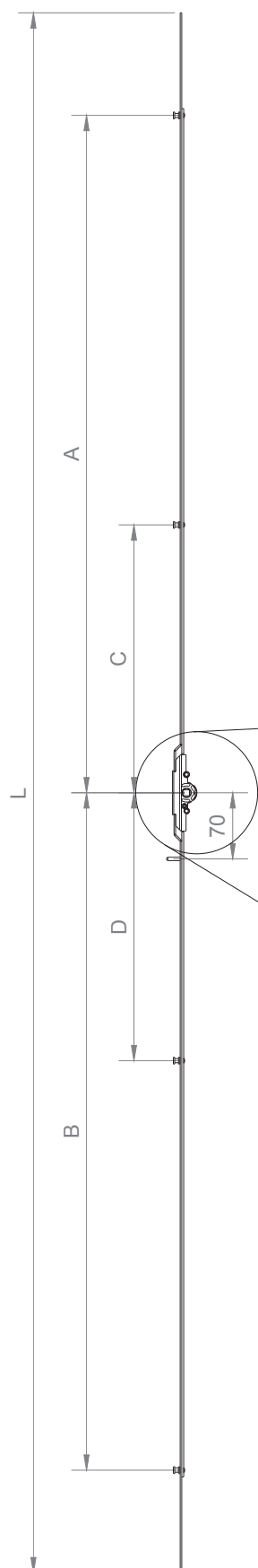
Standard Sliding System

Sliding gear 15 mm backset, steel gear box

Sliding gear 15 mm backset, steel gear box									
ARTICLE NO		SRH	L	A	B	C	D		
SLP	ZSLP								
01.BSI212.01.00	01.BSI213.01.00	300 - 400	300	90	106	-	-	4	20
01.BSI212.02.00	01.BSI213.02.00	400 - 600	400	134	152	-	-	4	20
01.BSI212.03.00	01.BSI213.03.00	600 - 800	600	171	187	-	-	8	20
01.BSI212.04.00	01.BSI213.04.00	800 - 1000	800	271	287	-	-	8	20
01.BSI212.05.00	01.BSI213.05.00	1000 - 1200	1000	371	387	90	-	11	20
01.BSI212.06.00	01.BSI213.06.00	1200 - 1400	1200	471	487	90	-	11	20
01.BSI212.07.00	01.BSI213.07.00	1400 - 1600	1400	571	587	90	-	11	20
01.BSI212.08.00	01.BSI213.08.00	1600 - 1800	1600	671	687	240	258	14	20
01.BSI212.09.00	01.BSI213.09.00	1800 - 2000	1800	771	787	273	289	14	20
01.BSI212.10.00	01.BSI213.10.00	2000 - 2200	2000	871	887	308	324	14	20

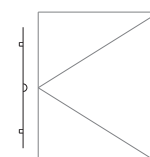
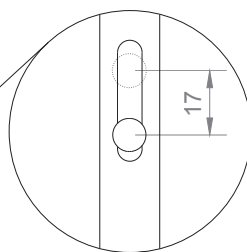
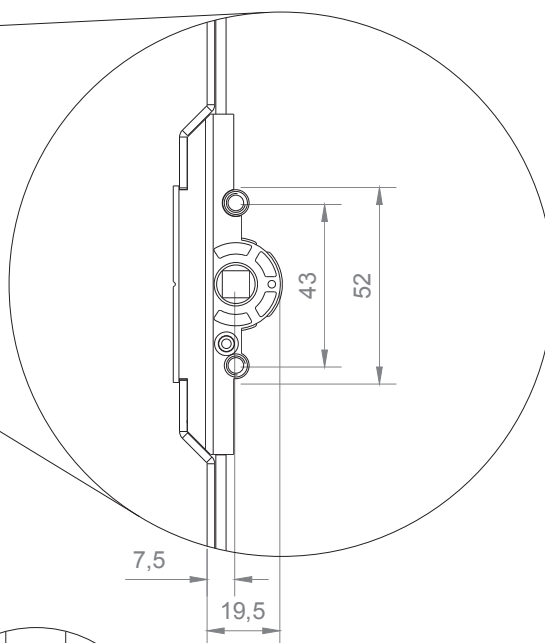


Sliding gear 7,5 mm backset, zinc gear box

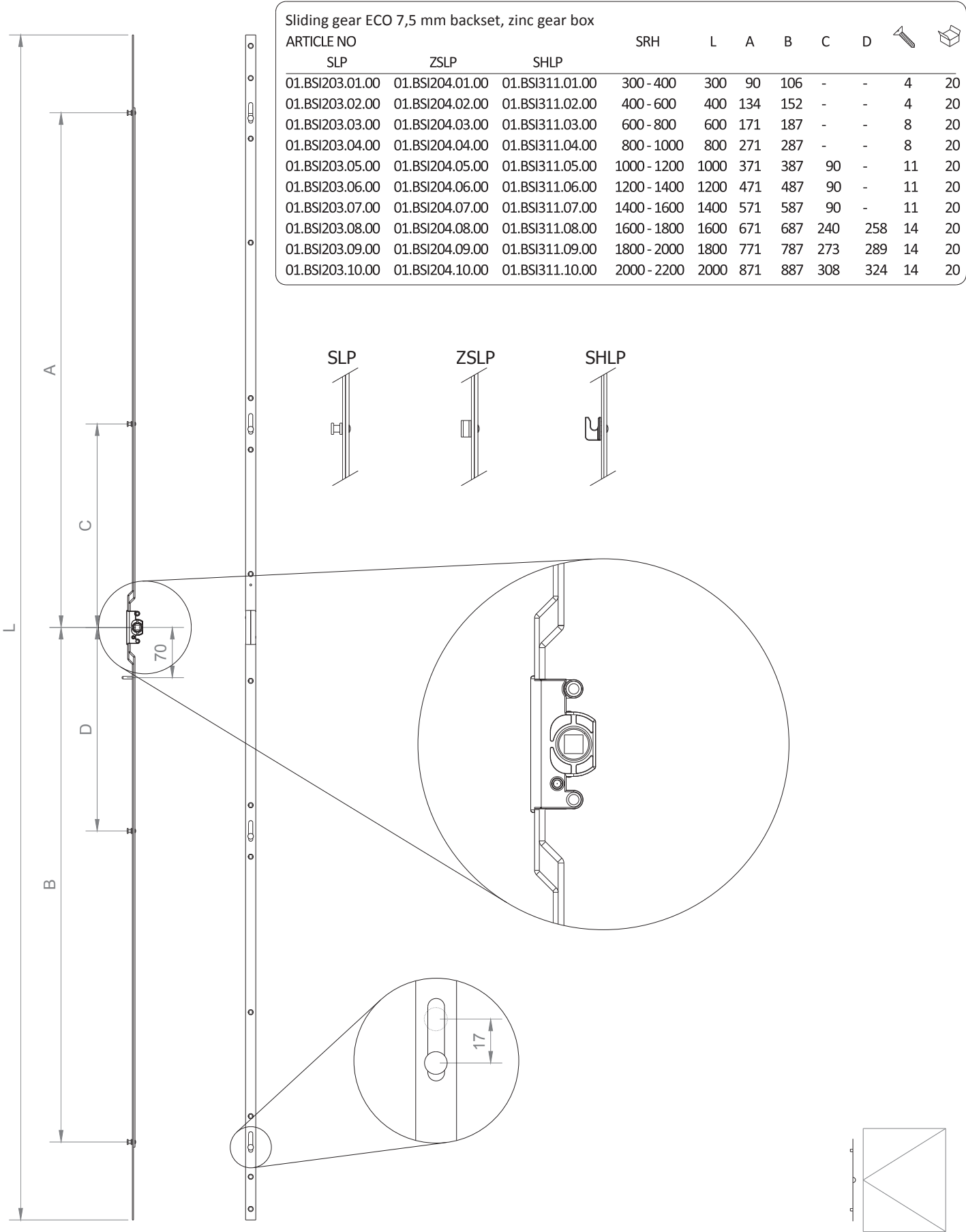


Sliding gear 7,5 mm backset, zinc gear box

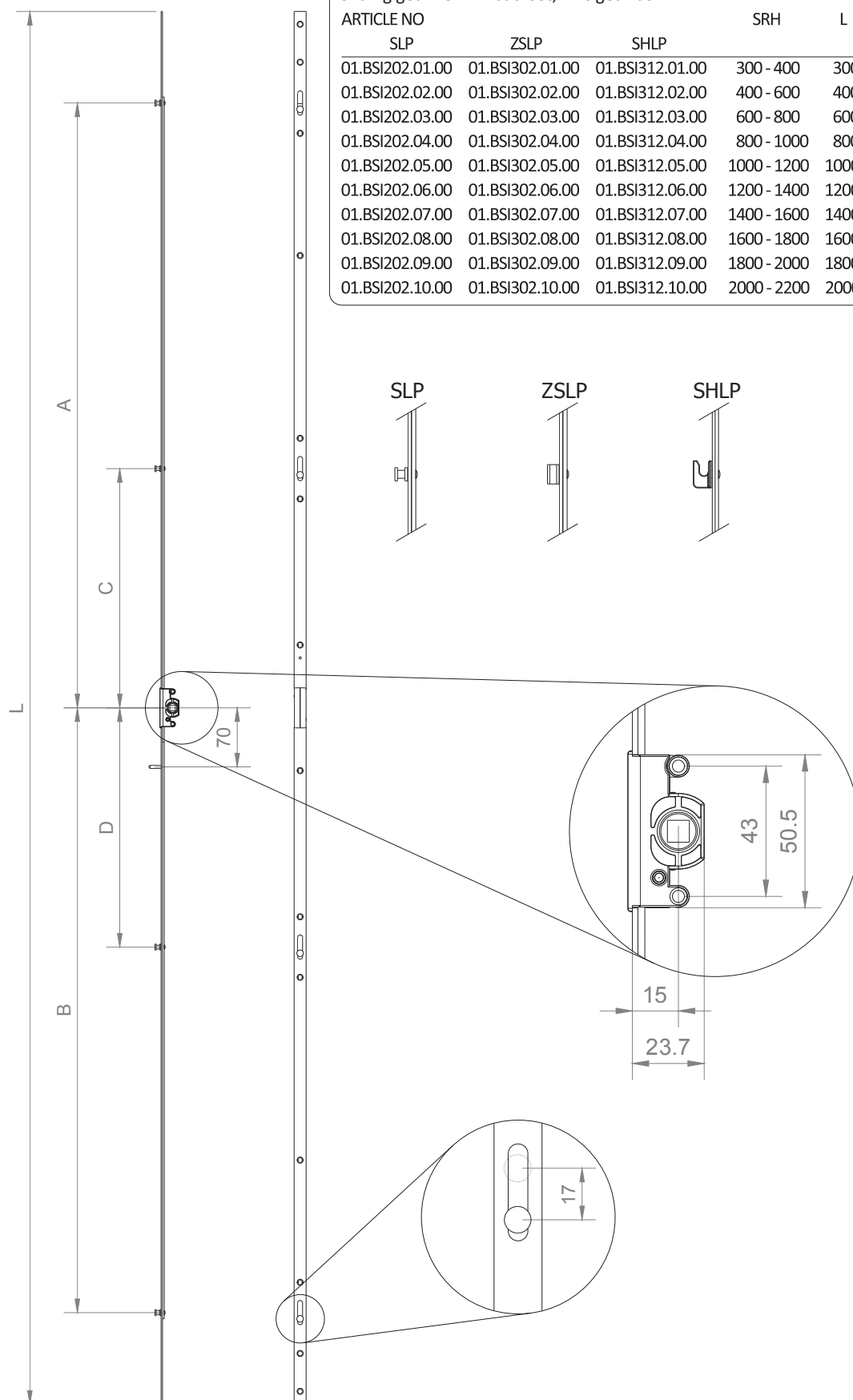
ARTICLE NO			SRH	L	A	B	C	D		
SLP	ZSLP	SHLP								
01.BSI205.01.00	01.BSI206.01.00	01.BSI310.01.00	300 - 400	300	90	106	-	-	4	20
01.BSI205.02.00	01.BSI206.02.00	01.BSI310.02.00	400 - 600	400	134	152	-	-	4	20
01.BSI205.03.00	01.BSI206.03.00	01.BSI310.03.00	600 - 800	600	171	187	-	-	8	20
01.BSI205.04.00	01.BSI206.04.00	01.BSI310.04.00	800 - 1000	800	271	287	-	-	8	20
01.BSI205.05.00	01.BSI206.05.00	01.BSI310.05.00	1000 - 1200	1000	371	387	90	-	11	20
01.BSI205.06.00	01.BSI206.06.00	01.BSI310.06.00	1200 - 1400	1200	471	487	90	-	11	20
01.BSI205.07.00	01.BSI206.07.00	01.BSI310.07.00	1400 - 1600	1400	571	587	90	-	11	20
01.BSI205.08.00	01.BSI206.08.00	01.BSI310.08.00	1600 - 1800	1600	671	687	240	258	14	20
01.BSI205.09.00	01.BSI206.09.00	01.BSI310.09.00	1800 - 2000	1800	771	787	273	289	14	20
01.BSI205.10.00	01.BSI206.10.00	01.BSI310.10.00	2000 - 2200	2000	871	887	308	324	14	20



Sliding gear ECO 7,5 mm backset, zinc gear box



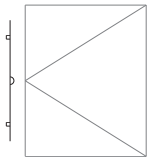
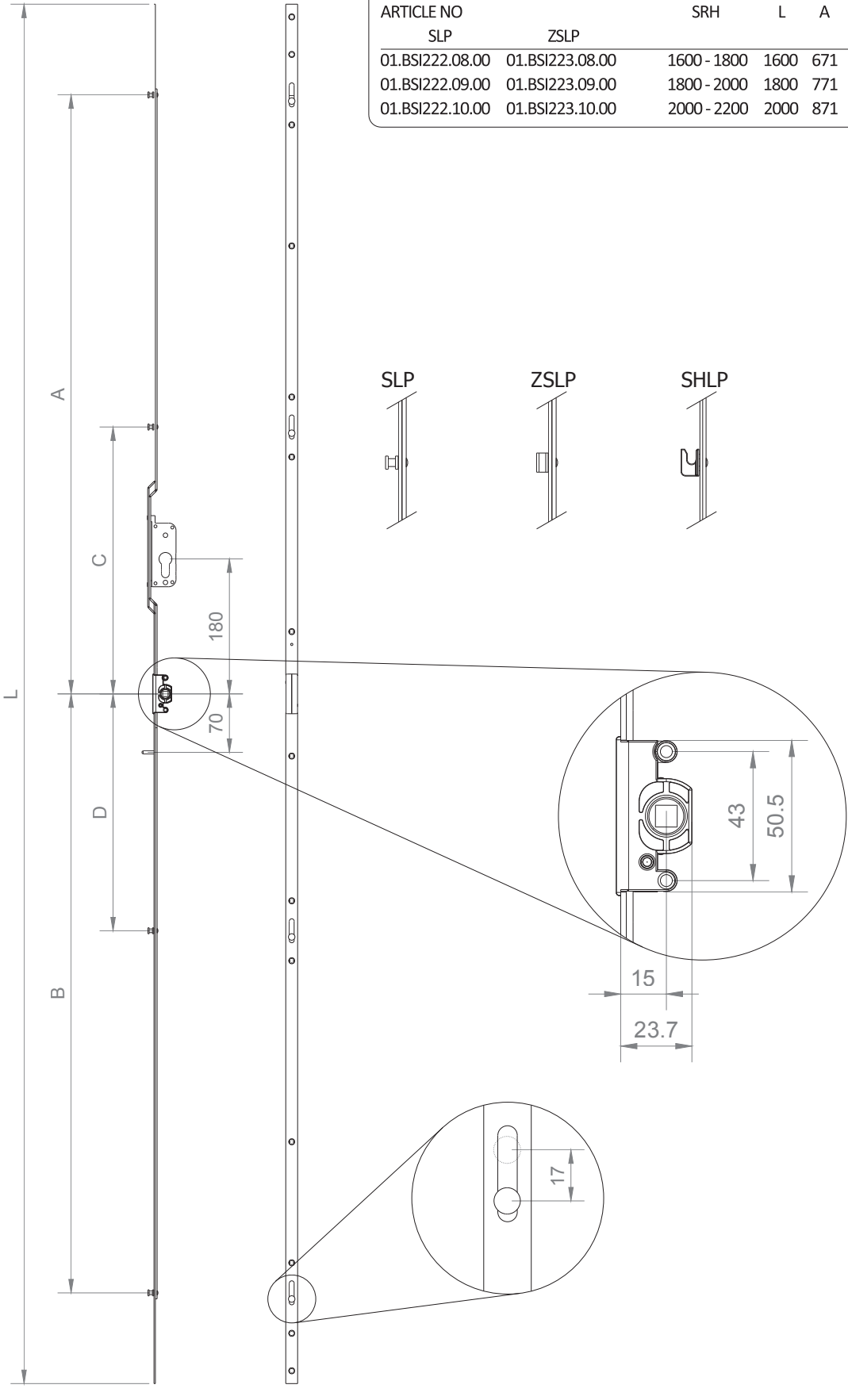
Sliding gear 15 mm backset, zinc gear box



Sliding gear 15 mm backset, zinc gear box											
ARTICLE NO			SRH	L	A	B	C	D			
SLP	ZSLP	SHLP									
01.BSI202.01.00	01.BSI302.01.00	01.BSI312.01.00	300 - 400	300	90	106	-	-	4	20	
01.BSI202.02.00	01.BSI302.02.00	01.BSI312.02.00	400 - 600	400	134	152	-	-	4	20	
01.BSI202.03.00	01.BSI302.03.00	01.BSI312.03.00	600 - 800	600	171	187	-	-	8	20	
01.BSI202.04.00	01.BSI302.04.00	01.BSI312.04.00	800 - 1000	800	271	287	-	-	8	20	
01.BSI202.05.00	01.BSI302.05.00	01.BSI312.05.00	1000 - 1200	1000	371	387	90	-	11	20	
01.BSI202.06.00	01.BSI302.06.00	01.BSI312.06.00	1200 - 1400	1200	471	487	90	-	11	20	
01.BSI202.07.00	01.BSI302.07.00	01.BSI312.07.00	1400 - 1600	1400	571	587	90	-	11	20	
01.BSI202.08.00	01.BSI302.08.00	01.BSI312.08.00	1600 - 1800	1600	671	687	240	258	14	20	
01.BSI202.09.00	01.BSI302.09.00	01.BSI312.09.00	1800 - 2000	1800	771	787	273	289	14	20	
01.BSI202.10.00	01.BSI302.10.00	01.BSI312.10.00	2000 - 2200	2000	871	887	308	324	14	20	

Lockable Sliding gear 15 mm backset, zinc gear box, 180 mm

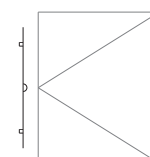
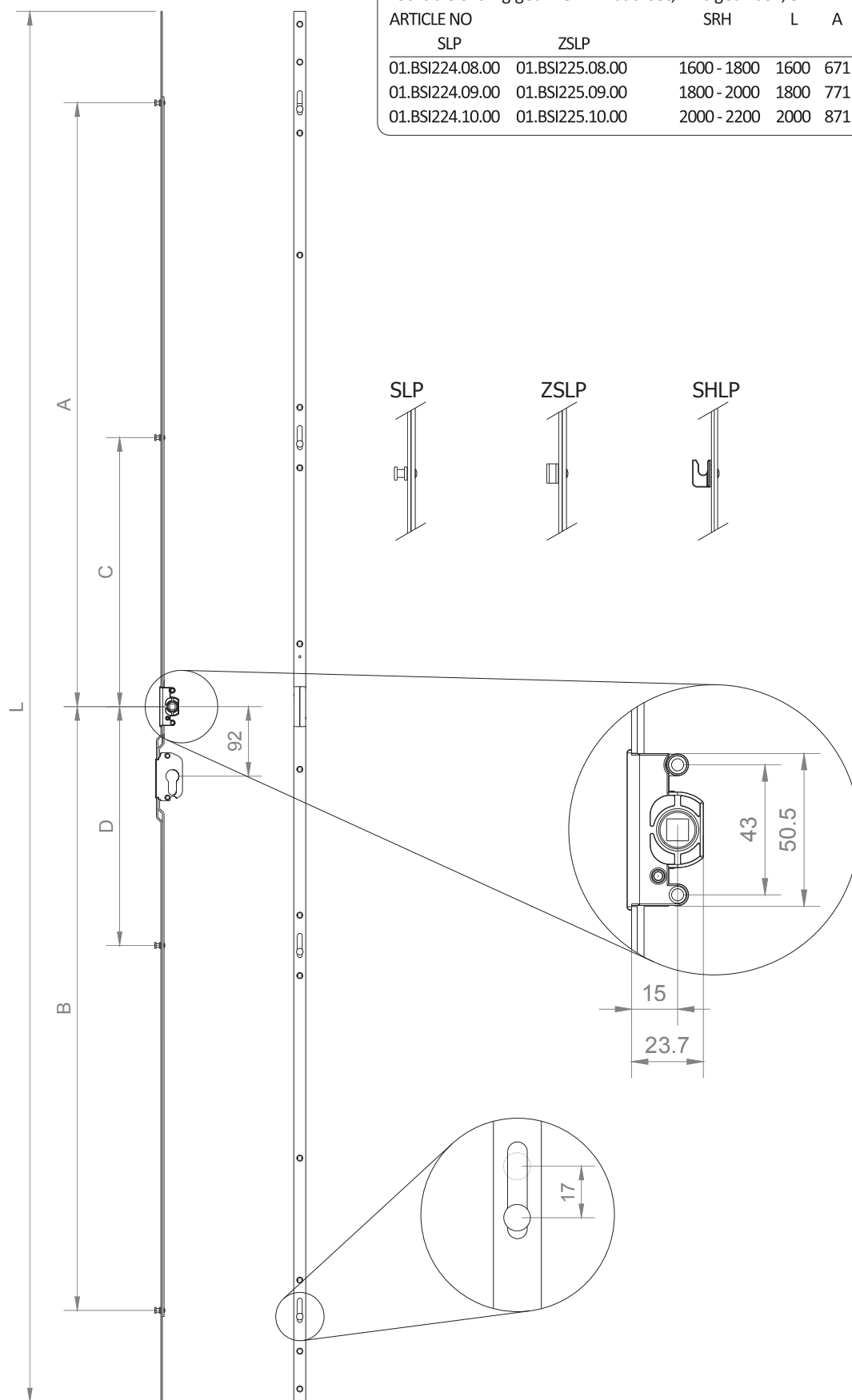
Lockable Sliding gear 15 mm backset, zinc gear box, 180 mm									
ARTICLE NO		SRH	L	A	B	C	D		
SLP	ZSLP								
01.BSI222.08.00	01.BSI223.08.00	1600 - 1800	1600	671	687	240	258	14	20
01.BSI222.09.00	01.BSI223.09.00	1800 - 2000	1800	771	787	273	289	14	20
01.BSI222.10.00	01.BSI223.10.00	2000 - 2200	2000	871	887	308	324	14	20



Lockable Sliding gear 15 mm backset, zinc gear box, 92 mm

Lockable Sliding gear 15 mm backset, zinc gear box, 92 mm

ARTICLE NO		SRH	L	A	B	C	D		
SLP	ZSLP								
01.BSI224.08.00	01.BSI225.08.00	1600 - 1800	1600	671	687	240	258	14	20
01.BSI224.09.00	01.BSI225.09.00	1800 - 2000	1800	771	787	273	289	14	20
01.BSI224.10.00	01.BSI225.10.00	2000 - 2200	2000	871	887	308	324	14	20



Notes



“COOPERATION”



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UPVC & ALUMINIUM WINDOW & DOOR ACCESSORIES



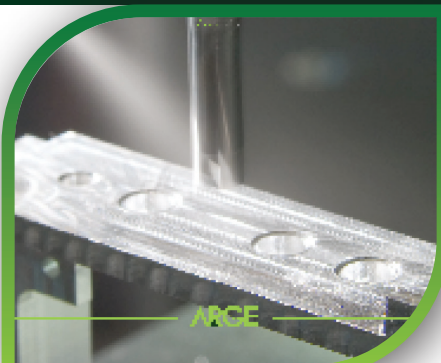
Product Development



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