

Series SC90
Sliding window and door construction
made entirely of aluminium

Information on the Series*	Design features	<ul style="list-style-type: none"> • Various design possibilities for sliding windows or doors • Sash arrangement: two- to six-sash units, one to six slidable sashes, two and three roller rails • Max. sash weight 120 kg • Max. sash height 2700 mm with a max. sash width of 1250 mm, max. sash width 1800 mm with a max. sash height of 2150 mm, only with interlocking profile P592214 • Fixed frame: three-chamber profiles, factory-mounted insulating composite • Reinforced interlocking profiles • Can be coated at a later time without restrictions • Numerous easy to mount wall connecting variants
	Modular system	<ul style="list-style-type: none"> • Series 2.1 system components suitable: fittings, accessories, supplementary profiles, auxiliary accessories, tools
	Surfaces	<ul style="list-style-type: none"> • Anodisation in accordance with DIN 17611 • Plastic coating (wet paint, powder coating lacquer) in accordance with DIN 50939
	Connecting technology	<ul style="list-style-type: none"> • Profile connection fixed with screws • Partially, frame profiles can be crimped with corner connection or nailed
	Elevation width	<ul style="list-style-type: none"> • Fixed frame: lateral 20 mm, top 35 mm, bottom 40 mm • Sash: lateral 74 mm, bottom/top 82 mm • Interlocking area: 50 mm • Sash joint scheme F, L: 150 mm
	Profile depth	<ul style="list-style-type: none"> • Fixed frame: 60 mm, 87 mm, 131 mm • Sash horizontal: 35 mm, sash vertical: 38 mm
	Glazing	<ul style="list-style-type: none"> • Glass thickness between 6 mm and 24 mm
	Gaskets	<ul style="list-style-type: none"> • Woven pile weather strip with poly-brush and poly-base with middle bridge in the interlocking area • Glazing gasket: EPDM gaskets, drawn in continuously, or U-shaped sealing profiles
	Rollers	<ul style="list-style-type: none"> • Adjustable in height and not adjustable in height • Single rollers for 80 kg and tandem rollers for 120 kg sash weight

Building physics*	Thermal insulation	DINV 4108-4 EN ISO 10077-2	$U_{f,BW} = 7.0 \text{ W/m}^2\text{K}$ $U_f = 7.0 \text{ W/m}^2\text{K}$
	Water tightness	NF P 20.501	Class EE
	Air permeability	NF P 20.501	Class A3



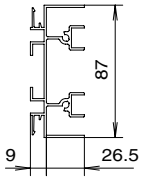
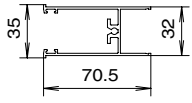
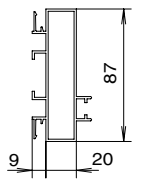
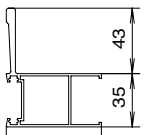
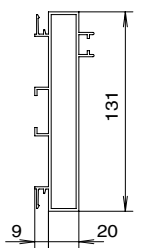
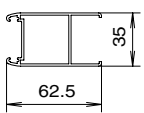
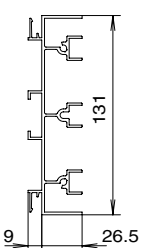
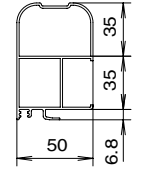
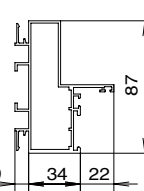
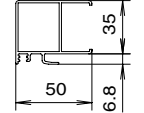
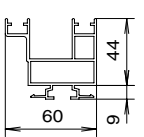
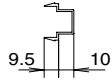
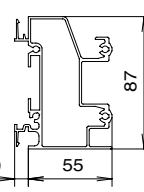
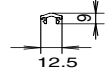
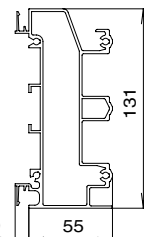
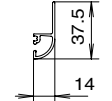
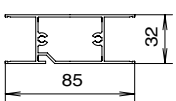
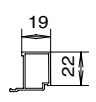
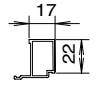
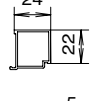
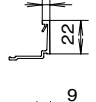
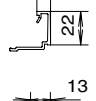
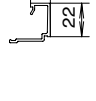
* All standards referred to herein, were valid at time of printing.

Valid test reports as well as technical information can be found in the download area of the site www.hueck-hartmann.com

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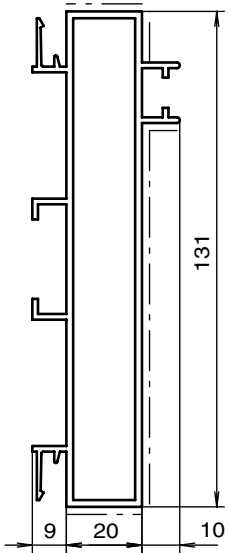
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Profile overview and static profile values for series SC 90

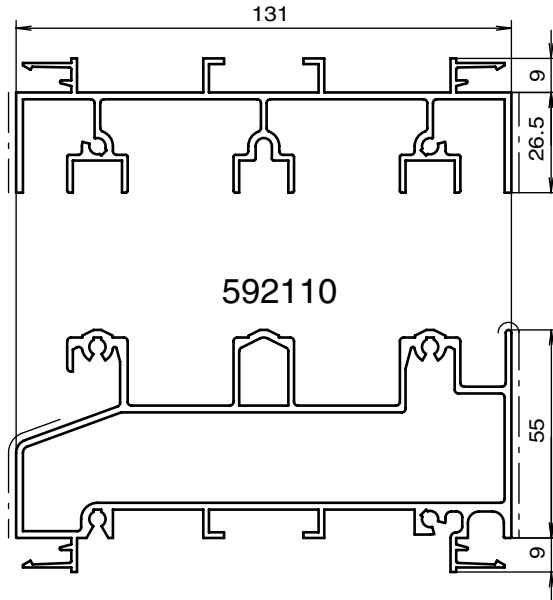
	Profile number	Horizontal axis		Vertical axis		Total perimeter, mm	Page SC 90		Profile number	Horizontal axis		Vertical axis		Total perimeter, mm	Page SC 90
		J_x [cm ⁴]	W_x [cm ³]	J_y [cm ⁴]	W_y [cm ³]					J_x [cm ⁴]	W_x [cm ³]	J_y [cm ⁴]	W_y [cm ³]		
	492 100	38.15	8.8	5.2	2.6	642	5/13		492 200	11.9	3.2	5.7	3.2	415	6/13
	592 102	34.6	7.7	5.5	2.5	413	5/14		592 202	29.4	6.5	17.4	4.0	366	6/18
	592 104	103.4	15.1	6.7	3.1	500	5/18		592 213	6.3	3.6	9.9	2.9	270	6/14
	492 106	112.7	17.2	6.1	3.2	815	5/17		592 214	13.3	4.7	28.6	7.1	333	6/16
	592 107	42.3	8.8	15.4	3.7	497	5/15		592 215	6.7	3.2	6.5	2.2	270	6/16
	592 108	11.6	4.3	15.9	4.5	416	5/20		492 600	-	-	-	-	122	6/16
	592 109	57.7	12.3	30.7	9.5	585	5/13		492 601	-	-	-	-	56	5/20
	592 110	191.2	27.7	39.2	11.7	725	5/17		446 616	-	-	-	-	137	5/20
									593 001	6.6	4.2	21.3	5.1	335	6/20
									594 057	-	-	-	-	-	7
									594 058	-	-	-	-	-	7
									594 059	-	-	-	-	-	7
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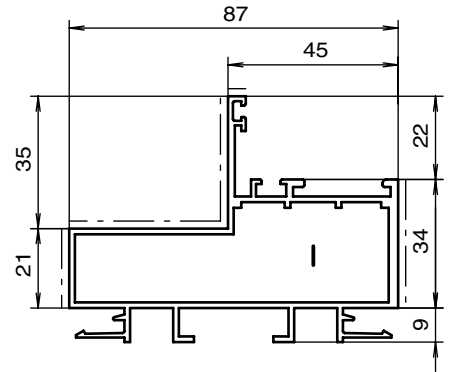
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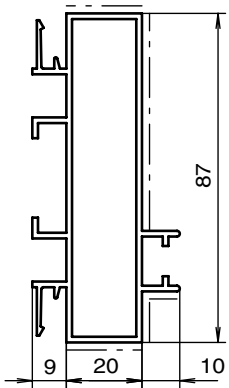
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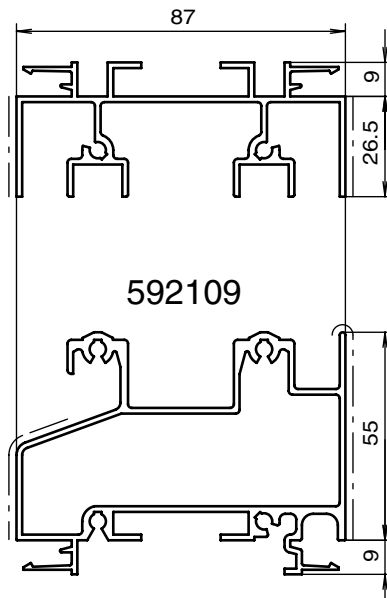
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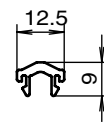
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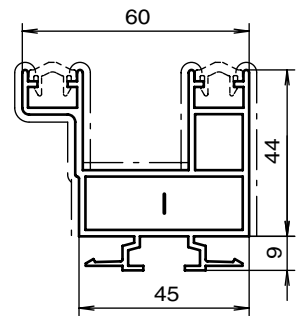
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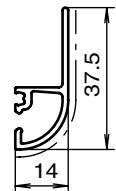
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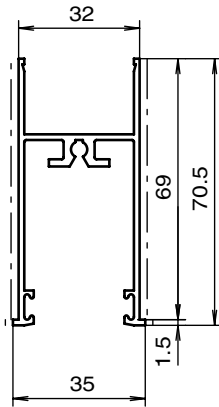
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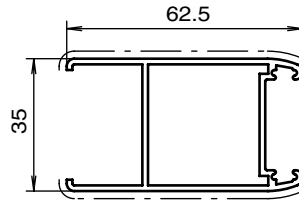
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592 108	-	912 324	2 x 900 023	912 325	909 593



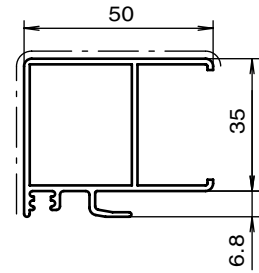
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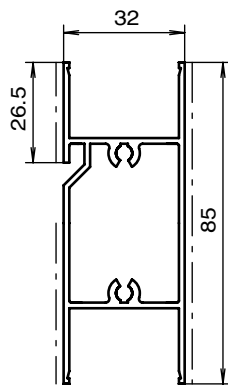
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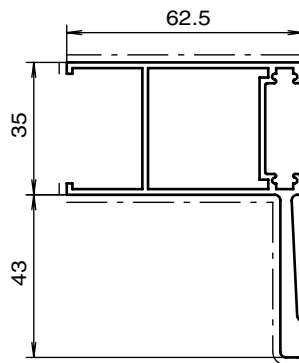
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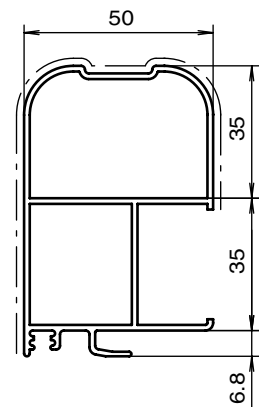
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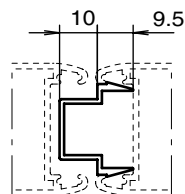
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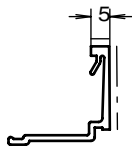


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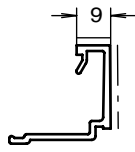


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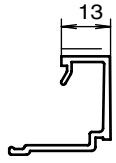




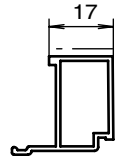
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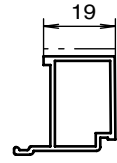
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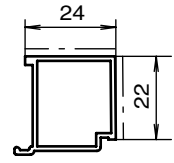
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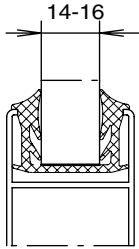
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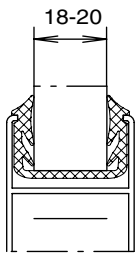
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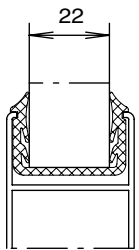
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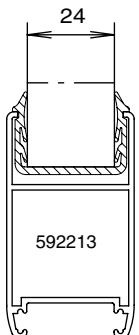
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904 471

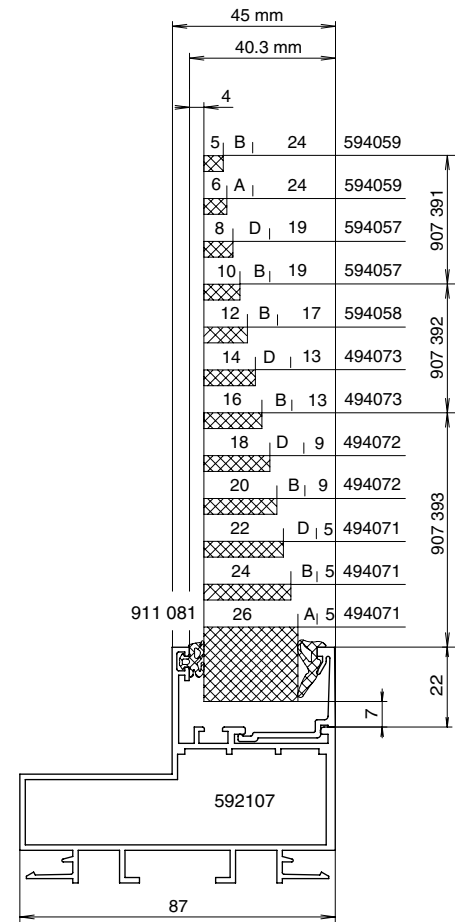


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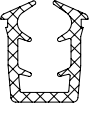
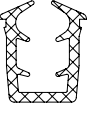
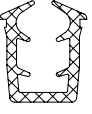
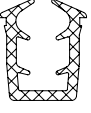
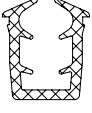







911 698

911 081
4.5 - 7.0 mm 911 079 (A)
5.5 - 8.0 mm 911 108 (B)
6.5 - 9.0 mm 911 078 (C)
7.5 - 10.5 mm 911 080 (D)



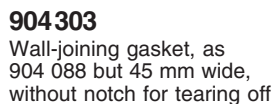
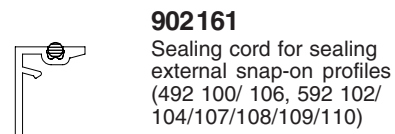
Glazing gaskets

 <p>904469 EPDM glazing gasket, black, suitable for profiles 492 200/ 592 202/213/214/ 215 and 593 001, for a glass thickness between 6 and 8 mm</p>	 <p>904470 Glazing gasket, as 904 469 but for a glass thickness between 14 and 16 mm</p>	 <p>904471 Glazing gasket, as 904 469 but for a glass thickness between 18 and 20 mm</p>
 <p>904836 Glazing gasket, as 904 469 but for a glass thickness of 22 mm</p>	 <p>911698 Glazing gasket, as 904 469 but for a glass thickness of 24 mm</p>	
 <p>911081 External glazing gasket, made of EPDM, black, 4 mm spacer, suitable for profile 592 107</p>		
 <p>911079 EPDM roll-in profile, black, applicable in accordance with glazing bead table, suitable for external glazing gasket, to be used for gap dimensions from 4.5 to 7 mm</p>	 <p>911108 EPDM roll-in profile, black, as 911 079 but to be used for gap dimensions from 5.5 to 8 mm</p>	 <p>911078 EPDM roll-in profile, black, as 911 079 but to be used for gap dimensions from 6.5 to 9 mm</p>
 <p>911080 EPDM roll-in profile, black, as 911 079 but to be used for gap dimensions from 7.5 to 10.5 mm</p>		

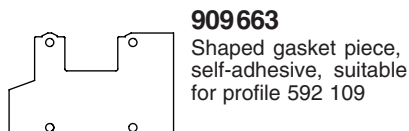
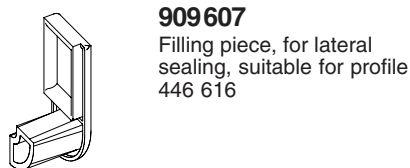
Woven pile weather strip for sliding elements







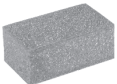









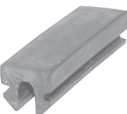

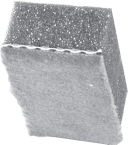
Connecting gaskets



Filling pieces / shaped gasket pieces



Accessories for sliding elements in accessory sets 993 537 – 993 544 and 993 561 – 993 562

 <p>905 804 Cover piece, suitable for interlocking area</p>	 <p>909 600 Shaped piece, suitable for sash profile 492 200</p>	 <p>901 589 Stop buffer, suitable for profile 592 213 with shaped piece 905 805</p>
 <p>904 501 Shaped gasket piece, suitable for interlocking area, required for external sashes</p>	 <p>904 418 Shaped gasket piece for sash profile, required for cover profile area</p>	
 <p>991 696 Lower centre seal gasket, complete with woven pile weather strip</p>	 <p>904 440 Upper centre seal gasket, self-adhesive, suitable for profile 492 100</p>	 <p>906 084 Shaped gasket piece, for sealing the vertical fixed frame 592 104</p>
 <p>906 085 Shaped gasket piece, for sealing the lower fixed frame 592 110, to be used with 906 086</p>	 <p>906 086 Shaped gasket piece, for sealing the lower fixed frame 592 110, to be used with 906 085</p>	 <p>909 605 black 909 606 white Drain cap with flap, to be used for lower fixed frame drainage</p>
 <p>904 442 Shaped gasket piece, to be used for sealing the lower fixed frame 592 102</p>	 <p>904 450 Shaped gasket piece, to be used for sealing the lower fixed frame 592 109</p>	 <p>904 500 Shaped gasket piece, to be used for sealing the upper fixed frame</p>
 <p>904 449 Stop buffer, suitable for profiles 592 102/104</p>		
 <p>905 446 Lower centre seal gasket, suitable if profile 592 108 is used</p>	 <p>905 447 Upper centre seal gasket, suitable if profile 592 108 is used</p>	
<p>900 920 Screw ST 3.9 x 13 mm for fixing 905 804</p>	<p>905 320 Screw ST 4.8 x 25 mm, for sash fixing</p>	<p>901 164 Screw ST 4.8 x 25 mm, for fixing the fixed frame</p>

Please place your order for accessory sets for series SC 90 in accordance with the list of components shown below. List of components (sashes) for accessory sets 993 537/538 and 993 539/540. See page 9 for individual parts.

Article number	Designation	With 2 roller rails		With 3 roller rails	
		Scheme A + D 993 537	Scheme C + F 993 538	Scheme K 993 539	Scheme L 993 540
905 804	Cover for interlocking area	4	8	8	16
909 600	Shaped piece, suitable for sash profile	4	8	4	8
900 920	V2A screw ST 3.9 x 13 mm, in accordance with DIN 7982 for 905 804	4	8	8	16
901 589	Stop buffer	4	8	8	16
904 501	Shaped gasket piece for sealing the lower interlocking area in case of external sashes				
904 418	Shaped gasket piece for sashes in cover profile area	–	2	–	2
905 320	V2A self-tapping screw ST 4.8 x 25 mm	8	16	12	24

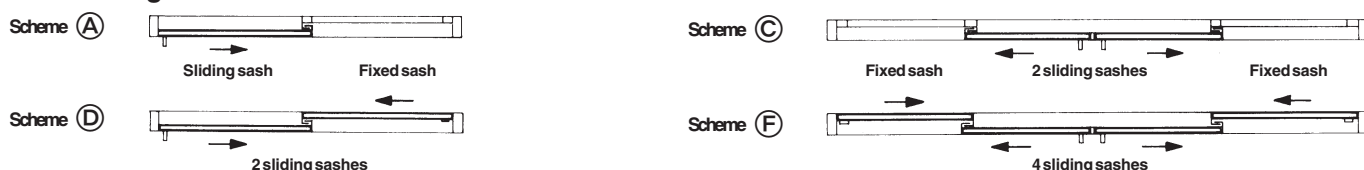
List of components (fixed frame) for accessory sets 993 541/542 and 993 543/544. See page 9 for individual parts.

Article number	Designation	With 2 roller rails		With 3 roller rails	
		Scheme A + D 993 541	Scheme C + F 993 542	Scheme K 993 543	Scheme L 993 544
991 696	Lower centre seal gasket, complete	1	2	2	4
904 440	Upper centre seal gasket	1	2	2	4
906 084	Shaped gasket piece for sealing the vertical fixed frame 592 104	–	–	4	4
906 085 + 906 086	Shaped gasket piece for sealing the lower fixed frame 592 110	–	–	2	2
909 605	Drain cap	2	2	2	2
901 164	V2A self-tapping screw ST 4.8 x 25 mm	12	12	12	12
904 442	Shaped gasket piece for sealing the vertical fixed frame 592 102	4	4	–	–
904 450	Shaped gasket piece for sealing the lower fixed frame 592 109	2	2	–	–
904 500	Shaped gasket piece for sealing the upper fixed frame 492 100	1	2	2	4
904 449	Stop buffer	4	4	4	4

List of components (fixed frame 592 108) for accessory sets 993 561/562. See page 9 for individual parts.


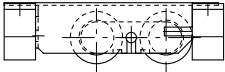
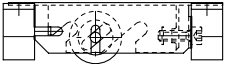
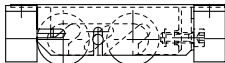
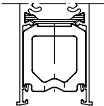
Article number	Designation	With 2 roller rails	
		Scheme A + D 993 561	Scheme C + F 993 562
905 446	Lower centre seal gasket, complete	1	2
905 447	Upper centre seal gasket	1	2
909 605	Drain cap	2	2
904 449	Stop buffer	4	4

Sash arrangement for SC 90 – 2 roller rails –

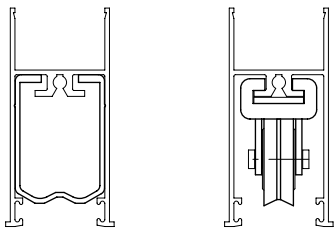


Sash arrangement for SC 90 – 3 roller rails –

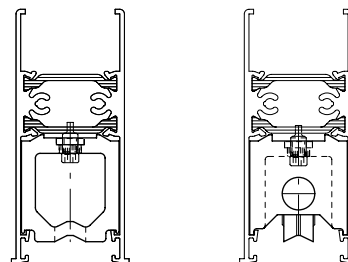


Description	Series SC 90	Series SC 90 i
Single / tandem rollers / setting elements  Single roller with needle roller bearing, height not adjustable, clamp-on installation for a max. sash weight of 80 kg	991 692	993 506
 Tandem roller, as above, for a max. sash weight of 120 kg	991 693	993 507
 Single roller, height adjustable, otherwise as above, for a max. sash weight of 80 kg	991 694	993 508
 Tandem roller, height adjustable, otherwise as above, for a max. sash weight of 120 kg	991 695	993 509
 Setting block, mounted instead of rollers in case of fixed sash	904 445	909 474

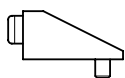
SC 90



SC 90 i



Accessories



Stop buffer
Sash rebate, required for spring loaded catch locks for external sashes

901 634 02

901 634 02

Drilling jigs, suitable for series SC 90

907 344

Drilling jig, suitable for corner bracket 993 114 if profile 592 107 is used

Punch knives, suitable for Pressta 7000/PV 10 (Pressta 1800/2000)

903 959

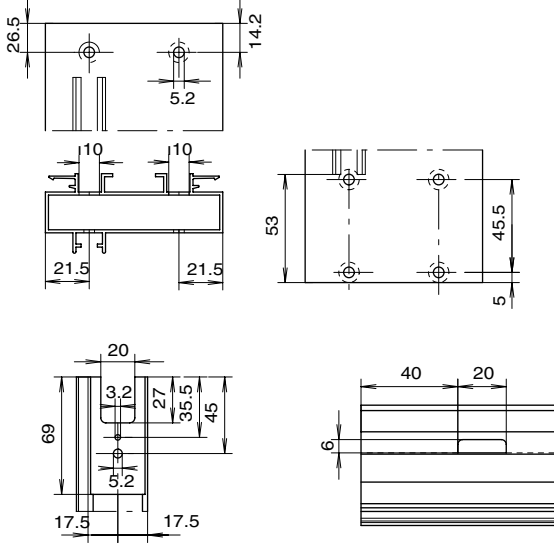
Pressta knife, suitable for profiles 592 107/108 (SC 90) and for profiles 588 110, 589 001/002/006 (SC 90 i)

Bottom rail with foot pedal

909 669

Bottom rail with foot pedal, reducing valve, oil filter and pressure gauge for punching tools 909 667 and 909 668

Punching tool for processing series SC 90



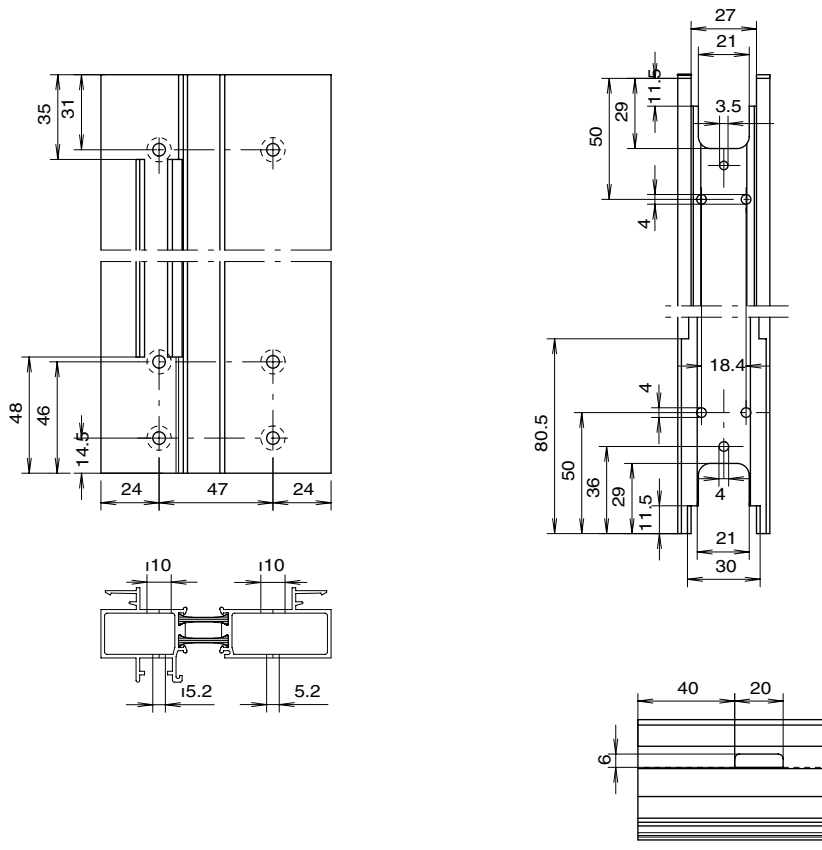
909 667

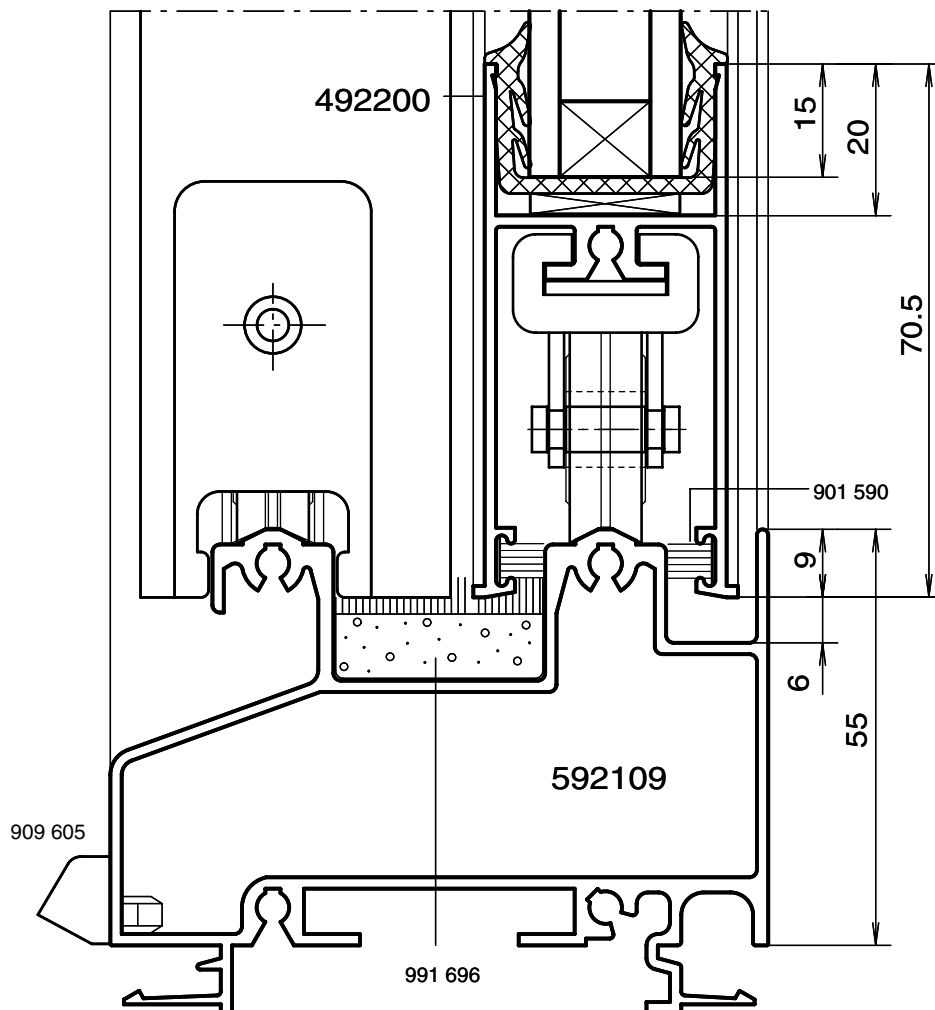
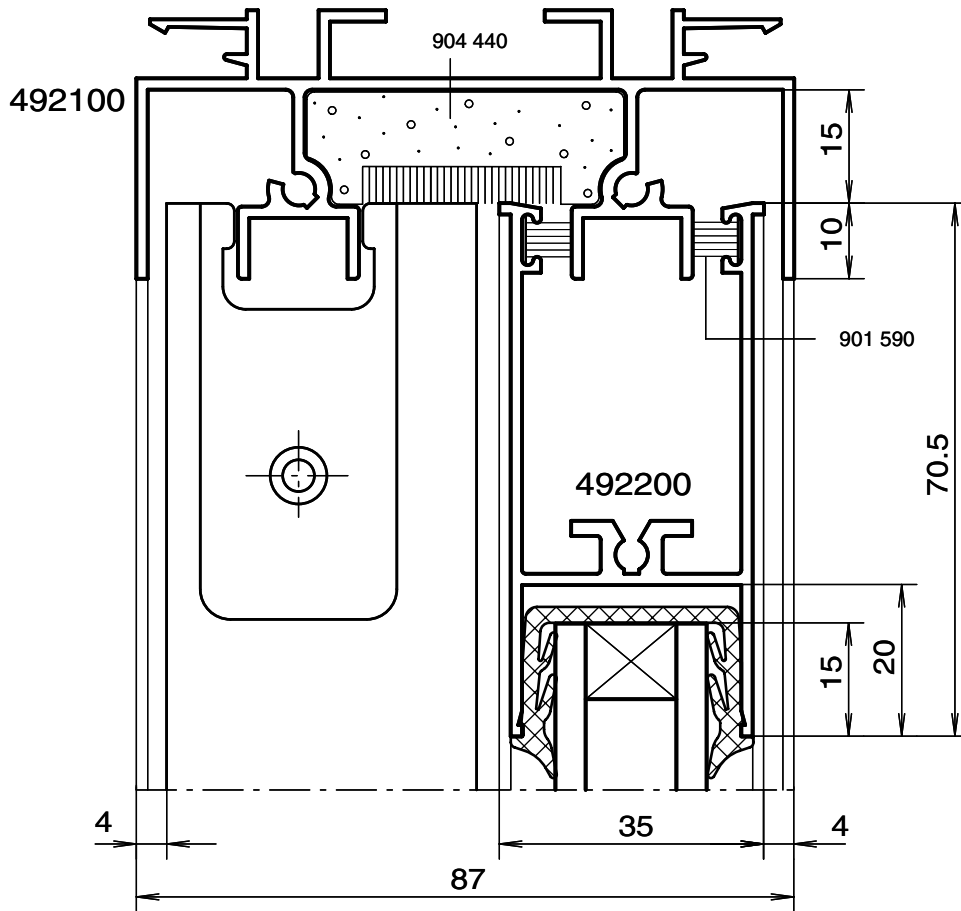
Punching tool for upper and lower web removal as well as upper and lower fixing drill holes in lateral fixed frames 592 102/ 592 104. Drainage slots in lower fixed frames. Upper and lower punching as well as sash profile fixing drill holes.

Punching tool for processing series SC 90 i

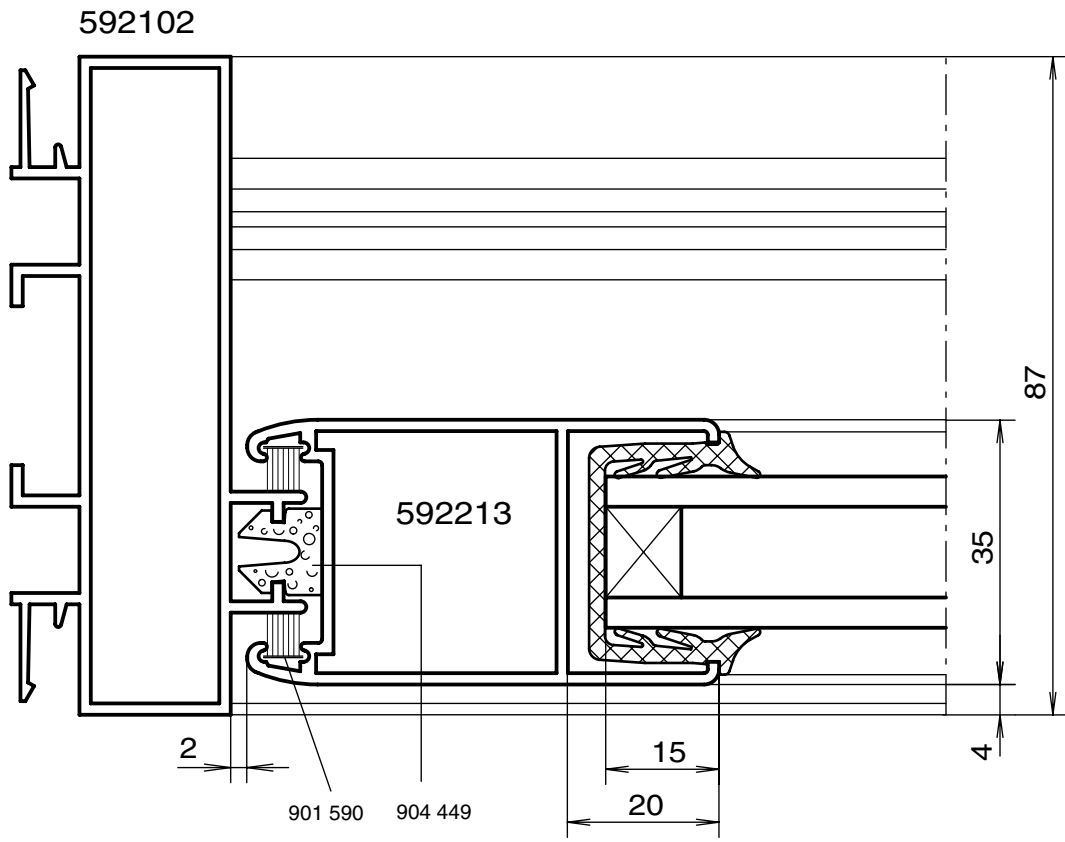
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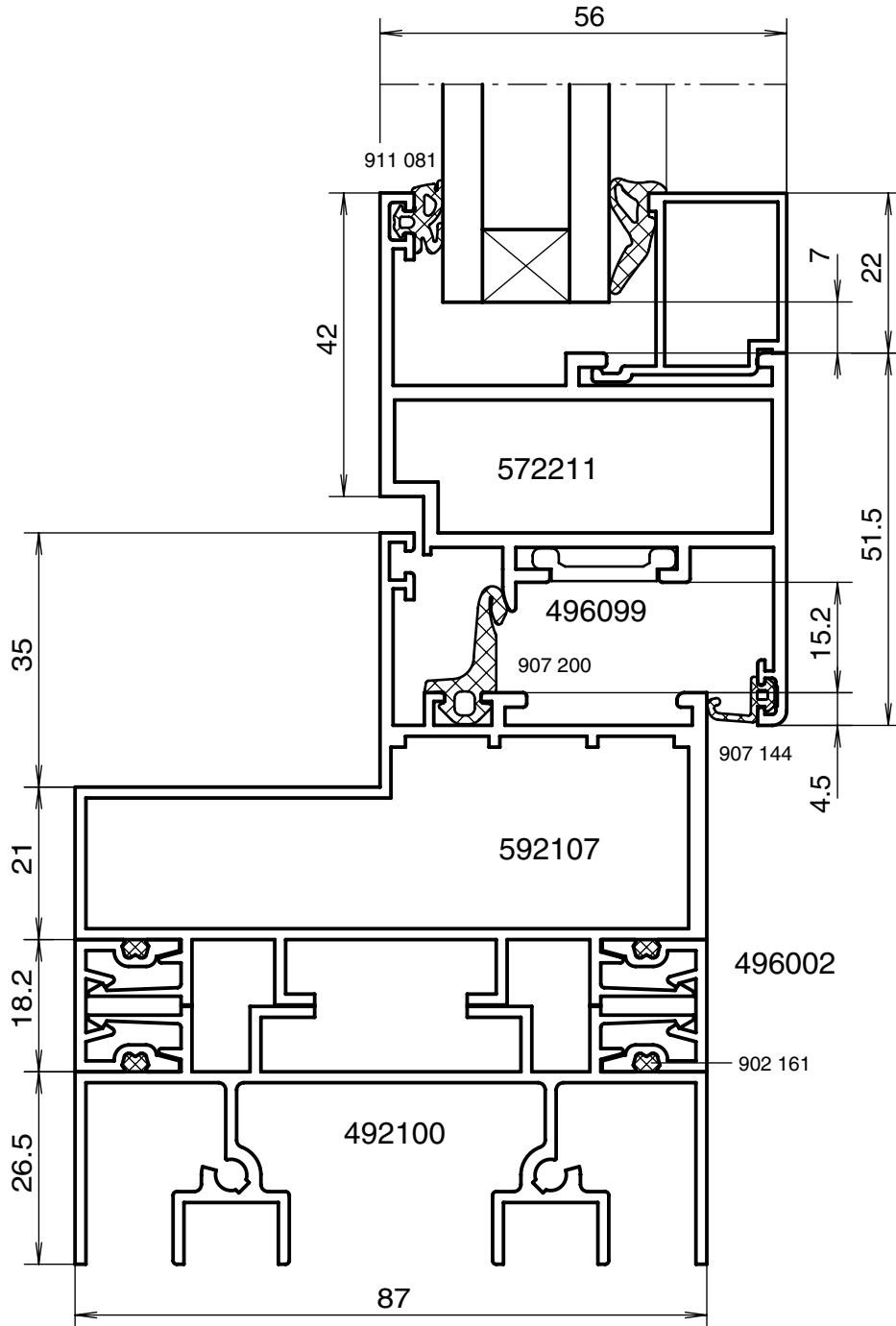
Punching tool for upper and lower web removal as well as upper and lower fixing drill holes in lateral fixed frames. Drainage slots in lower fixed frames. Sash profile notching including fixing drill holes.

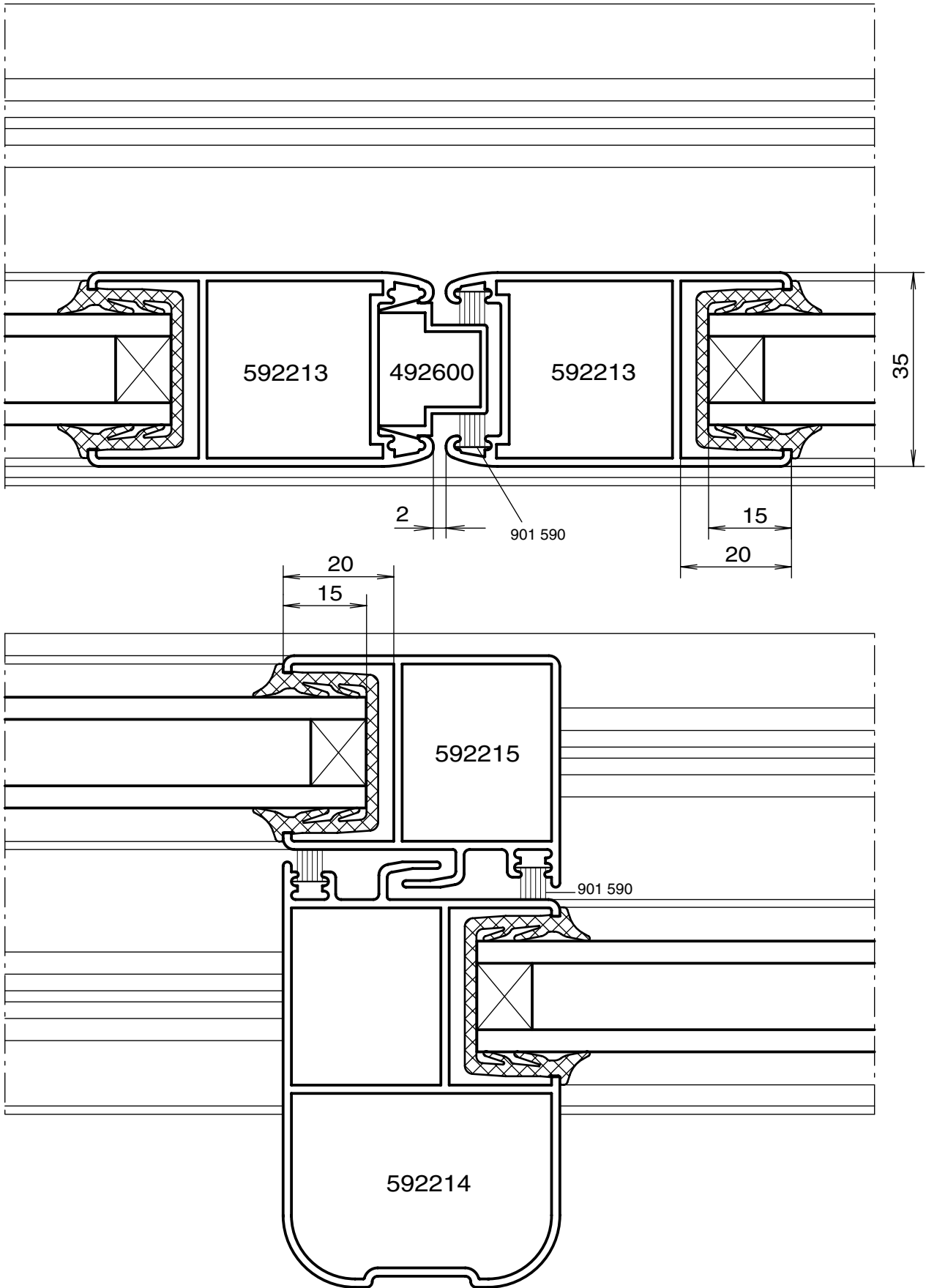


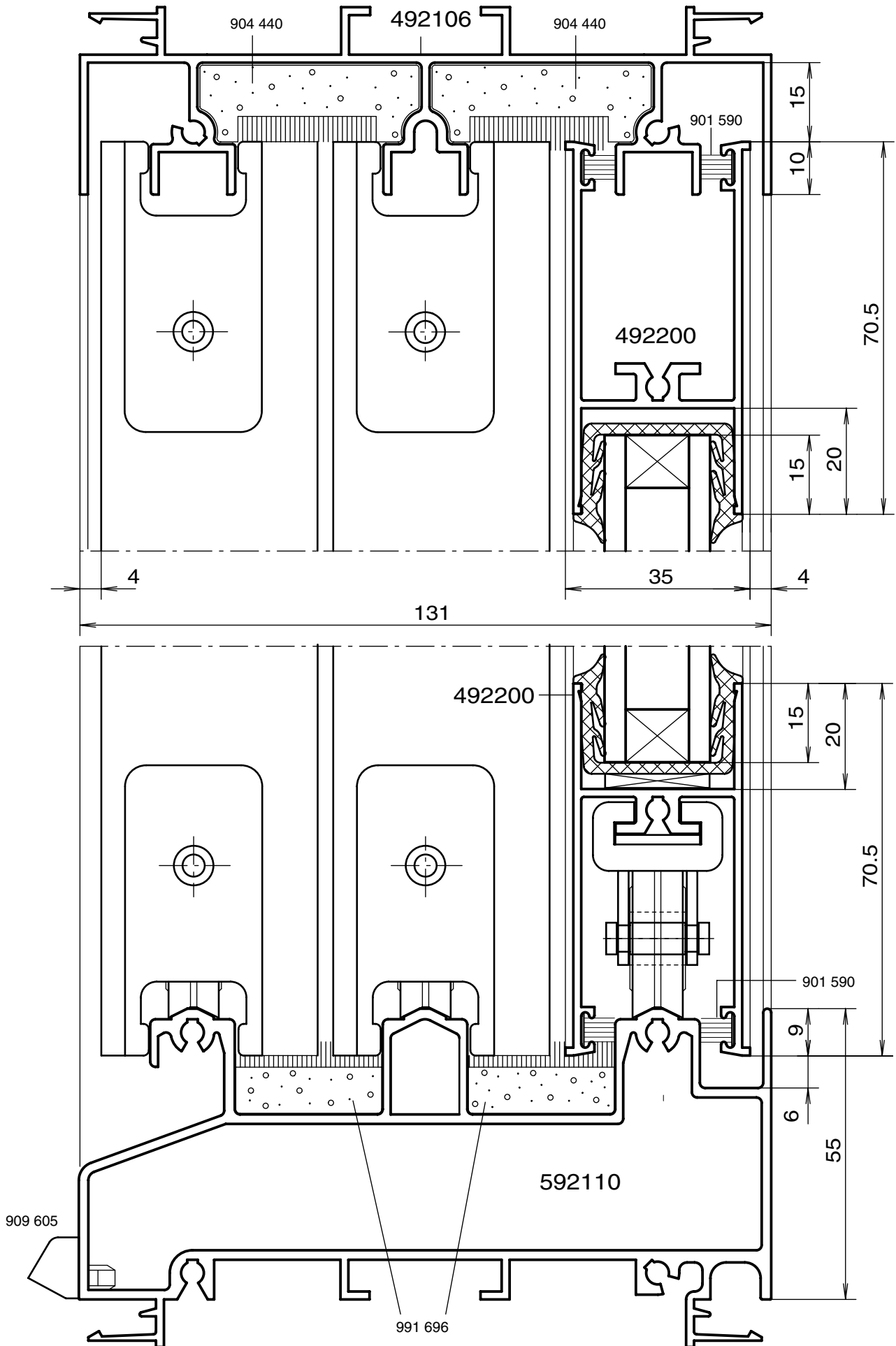


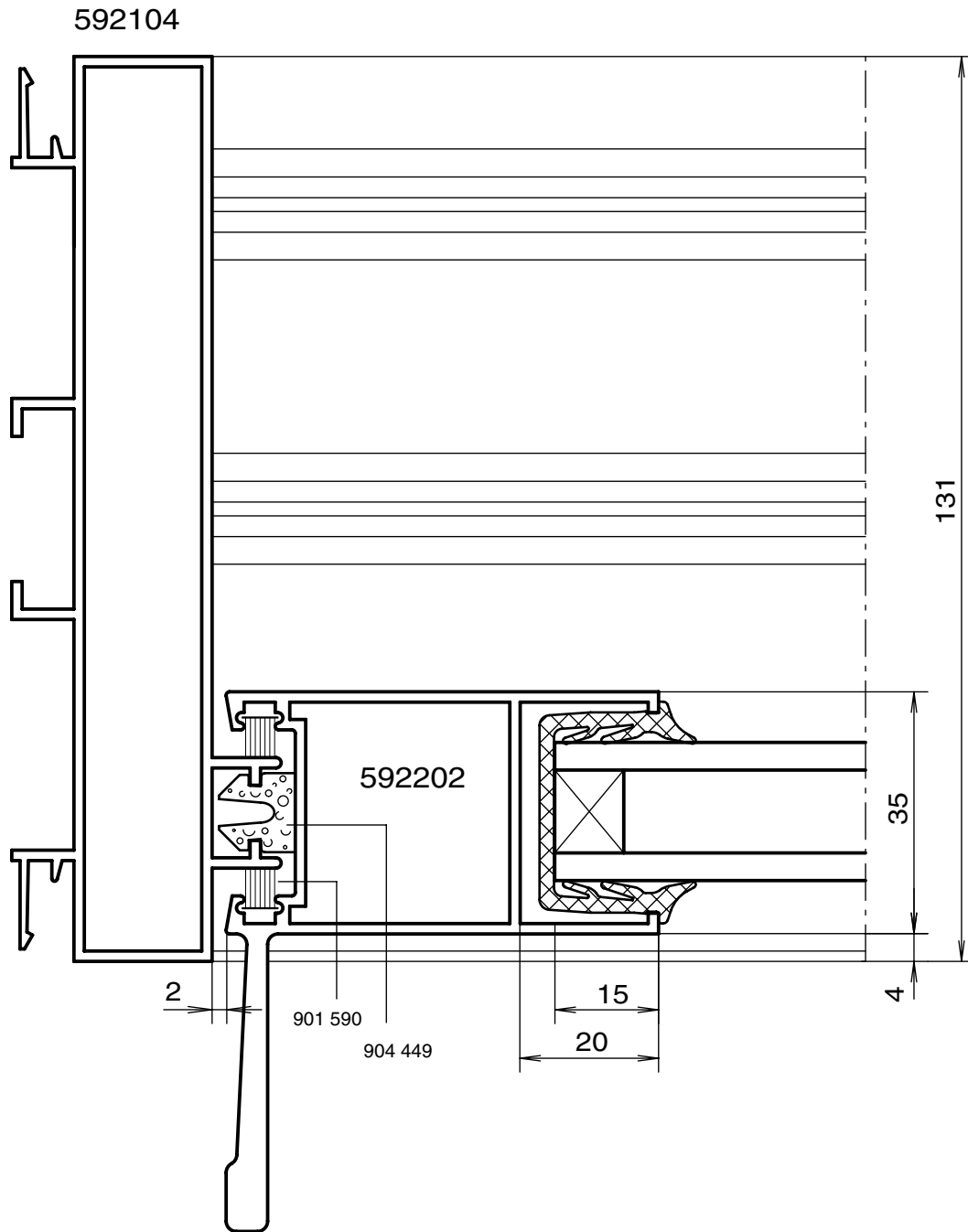
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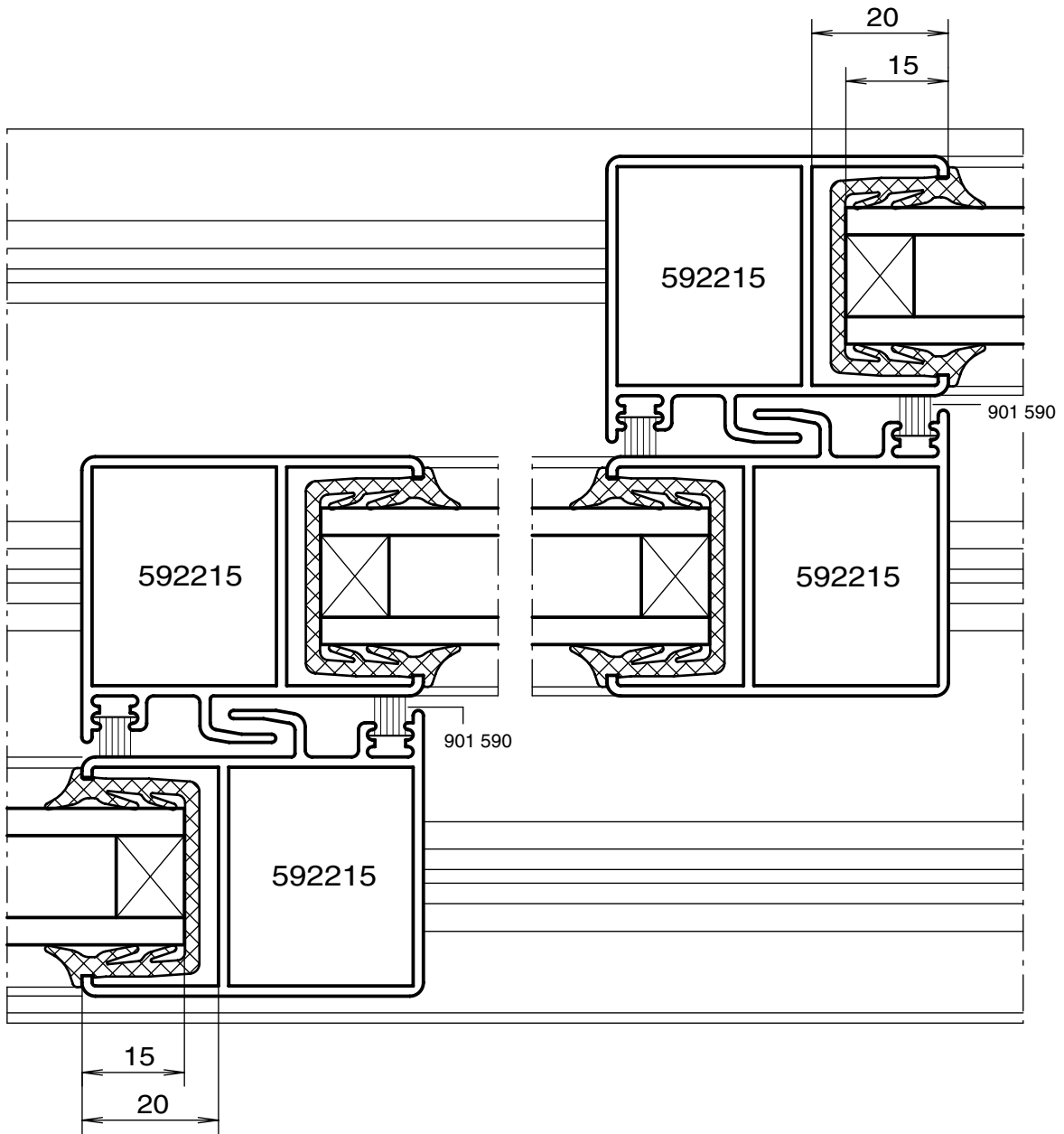


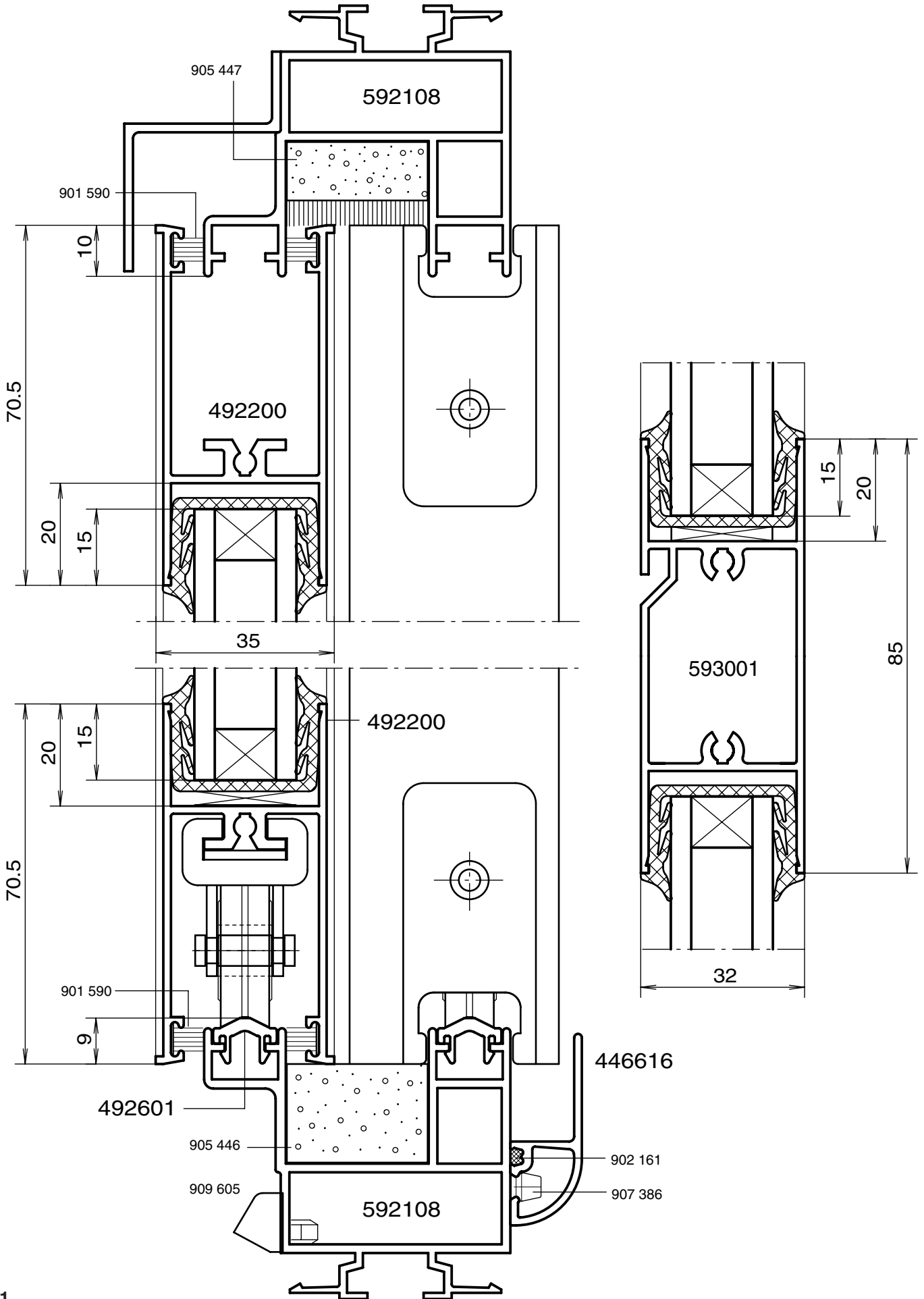




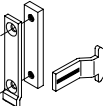
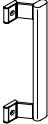


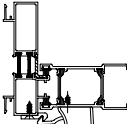
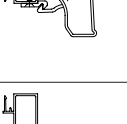
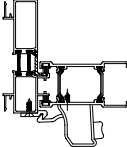
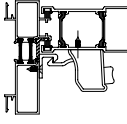
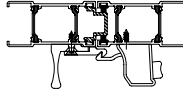
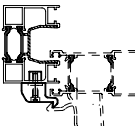



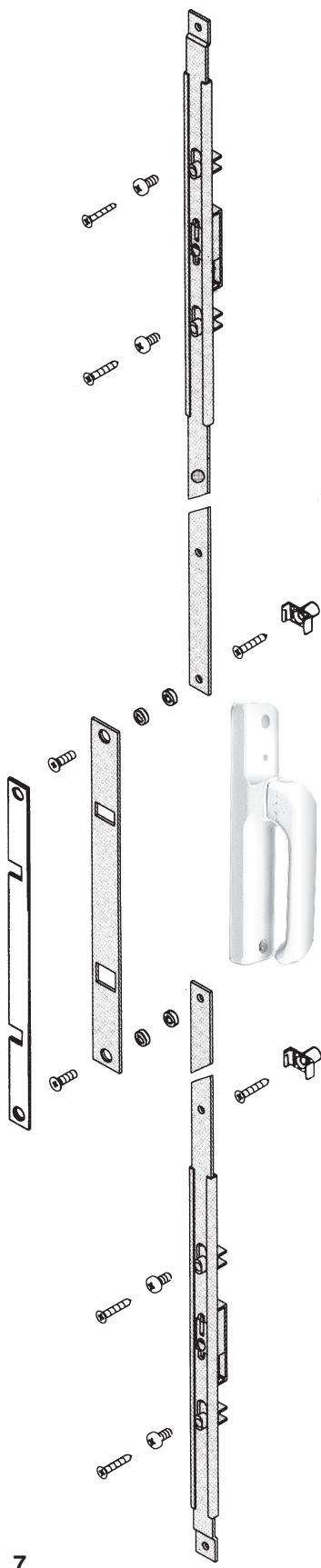


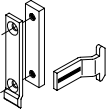

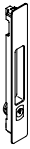
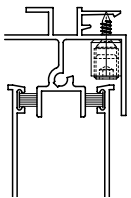
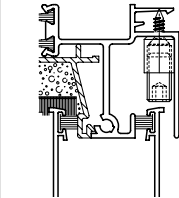


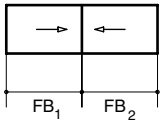




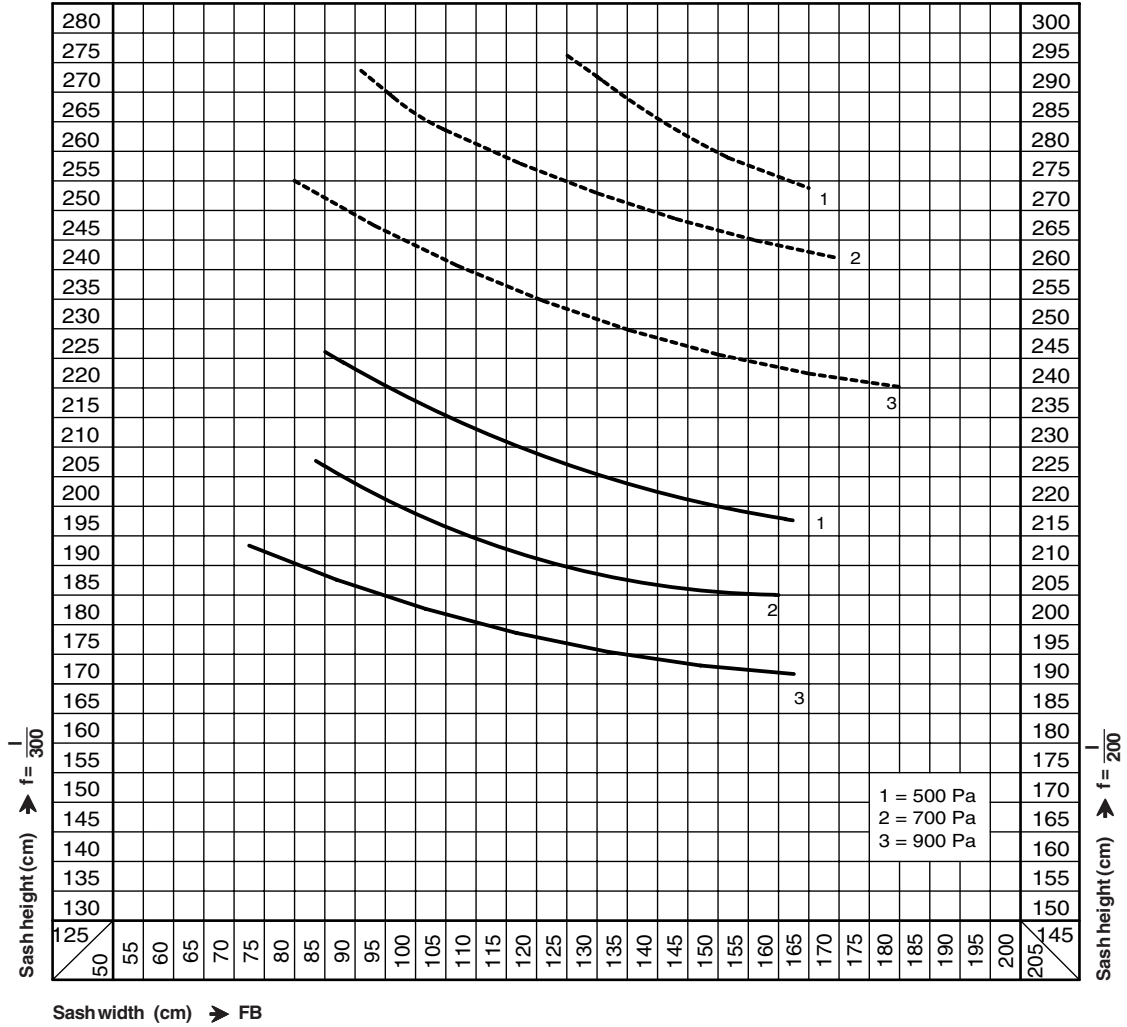


Description	Series SC 90	Series SC 90 i
Lateral locks for schemes A, D, C, F  Lever handle without locking hook	993 579 02 993 579 12 993 579 64	993 579 02 993 579 12 993 579 64
 Flush handle, self-stopping, without locking hook	909 496 02 909 496 12 909 496 64	909 496 02 909 496 12 909 496 64
 Locking hook, suitable for 909 496 and 993 579	993 516	993 516
 Handle, suitable for 909 496	906 886 02 906 886 12 906 886 64	906 886 02 906 886 12 906 886 64
 Flush handle for outside mounting, suitable for 993 579 (for sash operation only)	993 582 02 993 582 12 993 582 64	993 582 02 993 582 12 993 582 64
 Flush handle for outside mounting, suitable for 993 579 (sash opening by means of key)	993 583 02 993 583 12 993 583 64	993 583 02 993 583 12 993 583 64
 Spring loaded catch lock, self-stopping, for internal sashes, 90 mm high	993 522 02 993 522 12 993 522 64	993 522 02 993 522 12 993 522 64
 Spring loaded catch lock, self-stopping, for internal sashes, 130 mm high	993 523 02 993 523 12	993 513 02 993 513 12
 Spring loaded catch lock, not self-stopping, for internal sashes, 130 mm high	993 521 02 993 521 12 993 521 64	993 511 02 993 511 12 993 511 64
 Spring loaded catch lock, not self-stopping, for external sashes, 130 mm high	993 525 02 993 525 12	993 515 02 993 515 12
 Handle bar with locking hook, 130 mm high, suitable for (A) and (B), for units with four / six sashes (scheme C + F + L)	991 710 02 991 710 12 991 710 64	993 514 02 993 514 12 993 514 64
 Locking hook, 90 mm high, suitable for fixed frames SC 90 (592 108); SC 90 i (589 001/002/006)	993 563 02 993 563 12 993 563 64	993 565 02 993 565 12 993 565 64
 Locking hook, 130 mm high, suitable for fixed frames SC 90 (592 108); SC 90 i (589 001/006)	993 564 02 993 564 12 993 564 64	993 566 02 993 566 12 993 566 64

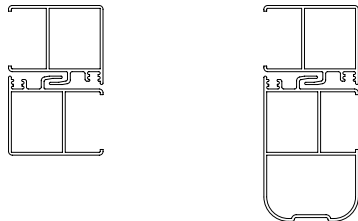
Description	Series SC 90	Series SC 90 i
<p>3-point locking without locking hook (min. sash height = 1250 mm)</p> 	993 524	993 524
 <p>Lever handle without locking hook, suitable for 3-point locking (lock upon enquiry)</p>	993 579 02 993 579 12 993 579 64	993 579 02 993 579 12 993 579 64
 <p>Flush handle, self-stopping, without locking hook, suitable for 3-point locking</p>	909 496 02 909 496 12 909 496 64	909 496 02 909 496 12 909 496 64
 <p>Locking hook, suitable for 993 524</p>	993 547	993 547
 <p>Flush handle for outside mounting, suitable for 993 579 and 909 496 (for sash operation only)</p>	993 582 02 993 582 12 993 582 64	993 582 02 993 582 12 993 582 64
 <p>Flush handle for outside mounting, suitable for 993 579 (sash opening by means of key)</p>	993 583 02 993 583 12 993 583 64	993 583 02 993 583 12 993 583 64
<p>Lift-up security, 2 required per sash</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="485 1630 616 1872"> <p>SC 90</p>  </div> <div data-bbox="641 1630 820 1872"> <p>SC 90 i</p>  </div> </div>	993 546	993 545
<p>Locking hook supplement for central lock (scheme C + F + L)</p>	909 664	909 665



Sash size diagram for series SC 90



— = 2 x 592 215 - - - = 1 x 592 215/214*



Max. sash weight = 80 kg if single rollers are used, max. sash weight = 120 kg if tandem rollers are used.

