

System width 50/56/76/96 mm
Supporting structure Timber
Series I/Series V

Article	No.	PU
Tool set in box THERM ⁺ H-I	170605	1 pc(s)

■ **Technical information**

- For THERM⁺ H-I.
- Content:
 - 1x no. 170349, 1x no. 170354
 - 1x alternatively no. 170351 (50) or 170352 (56) or 170353 (76)
 - 1x no. 015004, 1x no. 170375
 - 2x no. 170300, 1x no. 170510.



Article	No.	PU
Tool set in box THERM ⁺ H-V	173605	1 pc(s)

■ **Technical information**

- For THERM⁺ H-V (not in roof area).
- Content:
 - 2x no. 170300, 1x no. 173375
 - 1x alternatively no. 173351 (50) or 173352 (56) or 173353 (76)
 - 1x no. 015004, 1x no. 170354
 - 1x no. 173350, 1x no. 170510.



Article	No.	PU
Drilling jig extension 300	170201	1 pc(s)

■ **Technical information**

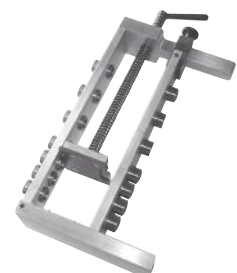
- For THERM⁺ H-I and H-V (H-V not in roof area).
- For TC timber connector SOLO and KOMBI.
- For depths of the structural profile up to 300 mm.
- Utilisation with no. 170206.



Article	No.	PU
Drilling jig mullion 240	170206	1 pc(s)

■ **Technical information**

- For THERM⁺ H-I and H-V (H-V not in roof area).
- For TC timber connector SOLO and KOMBI.
- For depths of the structural profile up to 240 mm.



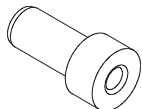
Article	No.	PU
Drilling jig transom TC	170217	1 pc(s)

■ **Technical information**

- For THERM⁺ H-I and H-V (H-V not in roof area).
- For TC timber connector SOLO and KOMBI.



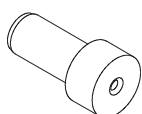
System width 50/56/76/96 mm
Supporting structure Timber
Series I/Series V



Article	No.	PU
Adapter socket mullion D	170208	1 pc(s)

■ **Technical information**

- For THERM⁺ H-I and H-V (H-V not in roof area).
- For expansion profiles of TC timber connector SOLO and KOMBI.
- For the adjustment of the drillhole diameter at the drilling jig.



Article	No.	PU
Adapter socket mullion E	170209	1 pc(s)

■ **Technical information**

- For THERM⁺ H-I and H-V (H-V not in roof area).
- For the unilateral connection type 1 of the TC timber connector SOLO and KOMBI.
- For the adjustment of the drillhole diameter at the drilling jig.



Article	No.	PU
Milling jig transom T-connector	170211	1 pc(s)

■ **Technical information**

- For THERM⁺ H-I and H-V (H-V not in roof area).
- For TC timber connector SOLO and KOMBI.



Article	No.	PU
Subland milling jig 22/10	170251	1 pc(s)

■ **Technical information**

- For the milling of the transom of the TC timber connector.
- For use with 30 mm cutter tip.



Article	No.	PU
Magazine screw driver in box	298510	1 pc(s)

■ **Technical information**

- For THERM⁺ H-I and H-V (H-V not in roof area).
- For the fast screwing of base profiles.
- Accessories:
 - Positioning foot no. 170631 to 170633
 - Wood screw taped no. 908025.



Article	No.	PU
Replacement bit TX 20	170629	1 pc(s)

■ **Technical information**

- Replacement part for subland drill no. 298510.

System width 50/56/76/96 mm
Supporting structure Timber
I-Series/V-Series

Article	No.	PU
Positioning foot for base profile 50, 76, 96	170635	1 pc(s)
Positioning foot for base profile 56, 76, 96	170636	1 pc(s)

■ **Technical information**

- For base profile THERM⁺ H-I and H-V (H-V not in roof area).
- No. 170635 for system widths 50, 76 and 96 mm.
- No. 170636 for system widths 56, 76 and 96 mm.
- Utilisation with subland drill no. 298510.



System widths 50/56/76 mm
Supporting structure Steel
Series I



Article	No.	PU
Tool set in box THERM ⁺ S-I	170600	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I.
- Content:
 - 1x no. 170100
 - 1x alternatively no. 015002 to no. 015002.8
 - 2x no. 015011, 1x no. 170375
 - 1x no. 015004, 1x no. 170349
 - 1x alternatively no. 170351 (50) or no. 170352 (56) or no. 170353 (76)
 - 1x no. 170354, 2x no. 170300.



Article	No.	PU
Welding device	170100	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I.
- For axial positioning of all THERM⁺ S-I base profiles in 3 mm distance of the structural profile.
- For structural profile widths from 50 to 100 mm.
- Accessories:
 - Adaptor shoes no. 015002 to 015002.8 for each width of structural profile.



Article	No.	PU
Welding device adjustable	170110	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I.
- For axial positioning of all THERM⁺ S-I base profiles in 3 mm distance of the structural profile.
- Width adjustment from 50 to 140 mm.



Article	No.	PU
Adaptor shoe 12	015002	2 pc(s)
Adaptor shoe 7	015002.1	2 pc(s)
Adaptor shoe 9.5	015002.3	2 pc(s)
Adaptor shoe 8	015002.4	2 pc(s)
Adaptor shoe 5	015002.5	2 pc(s)
Compensation flat section 8	015002.6	2 pc(s)
Compensation flat section 18	015002.7	2 pc(s)
Compensation flat section 3	015002.8	2 pc(s)

■ **Technical information**

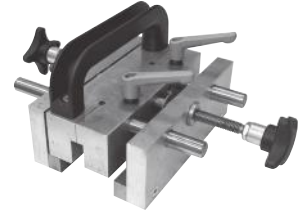
- To adjust the welding devices to diverse widths of structural profiles.
- Selection see **Processing steel**.

System widths 50/56/76 mm
Supporting structure Steel
I-Series

Article	No.	PU
Welding device adjustable axe	170115	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I.
- For axial positioning of all THERM⁺ S-I base profiles in 3 mm distance of the structural profile.
- Width adjustment from 50 to 170 mm (170 mm only when base profile is placed centered).
- Axial change for lateral offset of base profiles.
- Adaptor shoe 9.5 no. 015002.3 included.



Article	No.	PU
Welding pliers	015011	1 pc(s)

■ **Technical information**

- For the maintenance of the 3 mm distance between base profile and structural profile.



Article	No.	PU
Welding jig for steel connector	015200	1 pc(s)

■ **Technical information**

- For the fixation of the welding plate no. 016300.
- Adjustable for mullion widths from 50 to 100 mm.



Article	No.	PU
Installation tool	015210	1 pc(s)

■ **Technical information**

- Assembly tool for sealing pieces no. 016800 to 016890.



Article	No.	PU
Sawing and milling jig base profile	440250	2 pc(s)

■ **Technical information**

- For THERM⁺ FS-I.
- For the base profiles no. 168420 and 168425.



Article	No.	PU
Drilling jig transom S 2	440260	1 pc(s)
Drilling jig transom S 3	440261	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I and FS-I.
- No. 440260 for wall thicknesses of the profile < 3 mm.
- No. 440261 for wall thicknesses of the profile ≥ 3 mm.
- For all versions of the steel connector SC and SCL.
- For glass carrier variants L, H and CG.



System widths 50/56/76 mm
Supporting structure Steel
I-Series



Article	No.	PU
Drilling jig mullion steel-aluminium 2	170130	1 pc(s)
Drilling jig mullion steel-aluminium 3	170131	1 pc(s)

■ **Technical information**

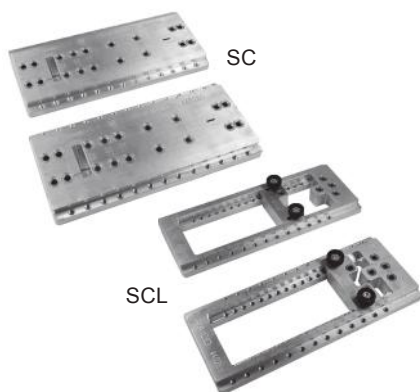
- For mullion THERM⁺ S-I and FS-I with THERM⁺ A-I transom.
- No. 170130 for wall thicknesses of the profile < 3 mm.
- No. 170131 for wall thicknesses of the profile ≥ 3 mm.
- For system width 50 and 56 mm.
- For RAICO threaded tubes and commercially available steel tubes with a width of 50, 60, 70, 80, 90 and 100 mm.



Article	No.	PU
Base body drilling template mullion	440280	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I and FS-I.
- For structural profile widths 50 to 100 mm.
- For structural profile depths up to 200 mm.
- For use with no. 440285 to 440291.
- For drillings in the mullion profile of steel connector SC and SCL.



Article	No.	PU
Drilling template SC 2	440285	2 pc(s)
Drilling template SC 3	440287	2 pc(s)
Drilling template SCL 2	440289	2 pc(s)
Drilling template SCL 3	440291	2 pc(s)

■ **Technical information**

- For THERM⁺ S-I and FS-I.
- No. 440285 and 220289 for wall thicknesses of the profile < 3 mm.
- No. 440287 and 220291 for wall thicknesses of the profile ≥ 3 mm.
- For use with no. 440280.
- For drillings in the mullion profile of steel connector SC or SCL.



Article	No.	PU
Hole saw 41	440400	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I and FS-I.
- For the processing of steel connector SC.
- For use in combination with no. 440401 and 440402.

System widths 50/56/76 mm
Supporting structure Steel
I-Series

Article	No.	PU
Pilot drill 93	440401	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I and FS-I.
- For the processing of steel connector SC.
- For use in combination with no. 440400 and 440402.



Article	No.	PU
Hang up cup	440402	1 pc(s)

■ **Technical information**

- For THERM⁺ S-I and FS-I.
- For the processing of steel connector SC.
- For use in combination with no. 440400 and 440401.



Article	No.	PU
Screw coupling T25	441250	1 pc(s)

■ **Technical information**

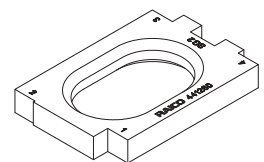
- For THERM⁺ FS-I.
- For a professional tightening of the pressure profile screws.



Article	No.	PU
Height control screw head	441260	1 pc(s)

■ **Technical information**

- For THERM⁺ FS-I.
- For checking the screw tightening torque.
- For use with visible, concealed and sunk screw connections.
- For use with toggle 20/58 SG no. 164611 or 164612.



Article	No.	PU
AccuBird Pro	298530	1 pc(s)

■ **Technical information**

- For the riveting of the blind rivet no. 910125.
- Accessories:
 - Mouthpiece no. 298531.



System widths 50/56/76 mm

Supporting structure Steel

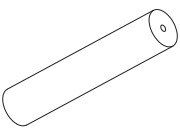
I-Series



Article	No.	PU
Mouthpiece 17/29	298531	1 pc(s)

■ **Technical information**

- For the riveting of the blind rivet no. 910125.
- For use with no. 298530.
- Special length 20 mm.



Article	Length mm	No.	PU
Spacer 20/100	100	170720	10 pc(s)

■ **Technical information**

- For THERM⁺ S-I and FS-I.
- For use as a depth stop during the mullion processing for SC and SCL connectors.
- Protection for drilling jigs no. 440260, 440261 and inserts for drilling jigs no. 440285, 440287, 440290, 440291.
- Spacer has to be shortened to the required length.

Article	No.	PU
Tool set in box THERM ⁺ A for frame processing	170610	1 pc(s)
Tool set in box THERM ⁺ A for stick processing	170611	1 pc(s)



■ **Technical information**

- For THERM⁺ A-I.
- Content for both tool boxes:
 - 1x no. 170030
 - Alternatively 1x no. 170035 (50) to no. 170043 (56)
 - 2x no. 170300, 1x no. 170375
 - 1x no. 015004, 1x no. 170354
 - 1x no. 170021.
- Additional content for no. 170610 (in case of frame fabrication with notching tool):
 - 1x no. 170349, alternatively 1x no. 170351 or no. 170352.
- Additional content for no. 170611 (in case of stick fabrication with cutting scissors):
 - 1x no. 170400, alternatively 1x no. 170415 or no. 170416.

Article	No.	PU
Tool set in box THERM ⁺ A-V for frame processing	173610	1 pc(s)
Tool set in box THERM ⁺ A-V for stick processing	173611	1 pc(s)



■ **Technical information**

- For THERM⁺ A-V (not in roof area).
- Content for both tool boxes:
 - 1x no. 170030
 - Alternatively 1x no. 170035 (50) or no. 170040 (56) or no. 170036, 170041, 173038, 173039.
 - 2x no. 170300, 1x no. 173375
 - 1x no. 015004, 1x no. 170354
 - 1x no. 170021
 - Alternatively 1x no. 170036 (50) or no. 170041 (56).
- Additional content for no. 170610 (in case of frame fabrication with notching tool):
 - 1x no. 173350, alternatively 1x no. 173351 or no. 173352.
- Additional content for no. 170611 (in case of stick fabrication with cutting scissors):
 - 1x no. 170400, alternatively 1x no. 173415 or no. 173416.

Article	No.	PU
Base body drilling jig for T-connectors	170030	1 pc(s)



■ **Technical information**

- For THERM⁺ A-I and A-V (A-V not in roof area).
- Base body for insertion of drill templates no. 170035 to no. 170043, 170071, 170072, 173038, 173039.
- For drills for T-connector in aluminium mullion profiles.
- For system widths 50 and 56 mm.

System width 50/56 mm

Supporting structure Aluminium

Series I/Series V



Article	No.	PU
Drilling template for T-connector I/V	170021	1 pc(s)

■ Technical information

- For THERM⁺ A-I (without U profile) and A-V (with U profile; A-V not in roof area).
- For holes for T-connector in aluminium transom profiles.
- For system widths 50 and 56 mm.



Article	No.	PU
Drilling template for self-production of T-connector	170022	1 pc(s)

■ Technical information

- For THERM⁺ A-I and A-V (A-V not in roof area).
- To drill holes for T-connector in case of self-fabrication.
- For system widths 50 and 56 mm.



Article	Range of application	No.	PU
Drilling template for T-connector	Rectangular profiles 50	170035	2 pc(s)
Drilling template for T-connector	T-connector set N50	170036	2 pc(s)
Drilling template for T-connector	Expansion profiles 50, direct screw connection	170037	2 pc(s)
Drilling template for T-connector	T-shaped profiles 50, A-I	170038	2 pc(s)
Drilling template for T-connector	T-connector set 50 TR, A-I	170039	2 pc(s)
Drilling template for T-connector	Spring bolt 50	170071	2 Stk
Drilling template for T-connector	Rectangular profiles 56	170040	2 pc(s)
Drilling template for T-connector	T-connector set N56	170041	2 pc(s)
Drilling template for T-connector	Expansion profiles 56, direct screw connection	170042	2 pc(s)
Drilling template for T-connector	T-shaped profiles 56, A-I	170043	2 pc(s)
Drilling template for T-connector	Spring bolt 56	170072	2 pc(s)
Drilling template for T-connector V	T-shaped profiles 50, A-V	173038	2 pc(s)
Drilling template T-connector 50 V	T-connector set 50 TR, A-V	173039	1 pc(s)
Drilling template for T-connector	Eaves and ridge connections	174035	1 pc(s)

■ Technical information

- For THERM⁺ A-I and A-V (A-V not in roof area).
- Application with drilling jig for T-connectors no. 170030.

System width 50/56/76 mm
Cutting and notching tools
I-Series/V-Series

Article	No.	PU
Cutting and notching tool	170470	1 pc(s)
Length stop for 170470	170470.1	1 pc(s)

■ **Technical information**

- For all THERM⁺ gaskets up to a system width of 76 mm.
- With insert for straight cut.
- With length stop 4.0 m.
- Depending on gasket, extension set system no. 170475 to 170478 is needed.



Article	Range of application	No.	PU
Extension set I	Interior gaskets I-series	170475	1 set
Extension set V	Interior gaskets V-series, with conversion kit	170476	1 set
Extension set E2 I	Interior gaskets I-series level 2	170477	1 pc(s)
Extension set E2 V	Interior gaskets V-series level 2	170478	1 pc(s)

■ **Technical information**

- For interior gaskets THERM⁺ I and V (V not in roof area).



Article	Range of application	No.	PU
Notching tool adjustable 45° to 90°	Interior gaskets up to 76 mm	015008	1 pc(s)
Notching tool adjustable 45° to 90°	Interior gaskets up to 100 mm	170325	1 pc(s)
Notching tool adjustable 30° to 90°	Interior gaskets up to 76 mm	170379	1 pc(s)

■ **Technical information**

- For THERM⁺ I- and V-series (V-series not in roof area).
- For cutting interior gaskets.



Article	Range of application	No.	PU
Notching tool for transom gasket	I-series up to 100 mm, adjust. 45° to 90°	170310	1 pc(s)
Notching tool for transom gasket	I-series up to 76 mm, adjustable 45° to 90°	170375	1 pc(s)
Notching tool for transom gasket	I-series up to 76 mm, adjustable 30° to 90°	170376	1 pc(s)
Notching tool interior gasket E2	I-series up to 76 mm, adjustable 45° to 90° level 2	170380	1 pc(s)
Notching tool interior gasket E2	I-series up to 76 mm, adjustable 30° to 90° level 2	170381	1 pc(s)
Notching tool transom gasket roof	I-series up to 96 mm, notching and punching Ø 6 mm	170382	1 pc(s)
Notching tool gasket for transom 26	I-series height 26 mm up to 76 mm level 2, adjustable 45° to 90°	170385*	1 pc(s)
Notching tool gasket transom 26 E2	I-series height 26 mm up to 76 mm adjustable 45° to 90°	170384*	1 pc(s)
Notching tool V	V-series up to 76 mm, adjustable 45° to 90°	173375	1 pc(s)
Notching tool E2	V-series up to 76 mm, adjustable 45° to 90° level 2	173380	1 pc(s)

■ **Technical information**

- For THERM⁺ I- and V-series (V-series not in roof area).
- For interior gaskets type S, L and D.
- For interior gaskets type D (steel curtain wall S-I) remove press pad.



System width 50/56/76 mm
Cutting and notching tools
 Series I/Series V



Article	No.	PU
Replacement blades	015006.1	10 pc(s)

■ **Technical information**

- For tools no. 015008, 170375, 170380, 170385, 170470, 173375 and 173380.



Article	No.	PU
Replacement blades	170411	1 pc(s)

■ **Technical information**

- For tool no. 170376, 170379, 170381, 170310 and 170325.



Article	Range of application	No.	PU
Notching tool 50/56 adjustable	Interior gaskets I-series 50 and 56 mm, adjustable 45° to 90°	170368	1 pc(s)
Notching tool 76 adjustable	Interior gaskets I-series 76 mm, adjustable 45° to 90°	170369	1 pc(s)
Notching tool 50/56 adjustable	Interior gaskets I-series 50 and 56 mm, adjustable 30° to 90°	170378	1 pc(s)
Notching tool 50/56 V adjustable	Interior gaskets V-series 50 and 56 mm, adjustable 45° to 90°	173368	1 pc(s)

■ **Technical information**

- For interior gaskets THERM⁺ I and V (V not in roof area).
- For notching the mullion gaskets.
- Replacement blades included in delivery.



Article	No.	PU
Adaptor knife 50/56/76 E3	170367	4 pc(s)

■ **Technical information**

- For notching no.170368, 170369 and 170378 for interior gaskets in the 3rd drainage level.



Article	No.	PU
Gasket punch 98/4	170395	1 pc(s)

■ **Technical information**

- For THERM⁺ I- and V-series (V-series not in roof area).
- For notching holes for the scaffolding fixture.
- With equipment for both series.



Article	No.	PU
Replacement blades	170396	1 pc(s)

■ **Technical information**

- For gasket punch 98/4 no. 170395.

Article	No.	PU
Gasket friction stay base element	170400	1 pc(s)

■ **Technical information**

- For THERM⁺ I- and V-series (V-series not in roof area).
- Utilisation with adaptor knife sets from no. 170401 (I) resp. 173415 (V).
- Adaptor knife set see table.



Article	No.	PU
Perforated dish 6	170424	1 pc(s)

■ **Technical information**

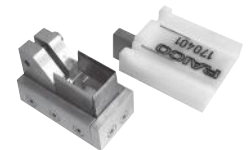
- For interior gaskets THERM⁺ I.
- For punching the holes in sealing cap of transom sealing pieces D.
- Fixation agents included in set.
- Utilisation with no. 170400.



Article	Range of application	No.	PU
Adaptor knife set 50	Insulating blocks 50 mm I + V	170401	1 set
Adaptor knife set 56	Insulating blocks 56 mm I + V	170402	1 set
Adaptor knife set 76	Insulating blocks 76 mm I + V	170403	1 set
Adaptor knife set F	Base gasket for transom 50/56/76 I + V	170407	1 set
Adaptor knife set SG	Insulating blocks SG I + V	170409	1 set
Adaptor knife set A 50	Aluminium stick fabrication 50 mm I	170415	1 set
Adaptor knife set A 56	Aluminium stick fabrication 56 mm I	170416	1 set
Adaptor knife set A50 E3	3rd drainage level 50 I	170420	1 set
Adaptor knife set A56 E3	3rd drainage level 56 I	170421	1 set
Adaptor knife set SC	Steel stick fabrication 50, 56 I with steel connector SC	170432	1 set
Adaptor knife set SCL	Steel stick fabrication 50, 56 I with steel connector SCL	170433	1 set
Adaptor knife 50	Mullion gasket for continuous transom profile 50 mm I + V	170480	1 set
Adaptor knife 56	Mullion gasket for continuous transom profile 56 mm I + V	170481	1 set

■ **Technical information**

- For THERM⁺ I- and V-series (V-series not in roof area).
- Use with no. 170400.



Article	Range of application	No.	PU
Adaptor knife set A50 V	Stick fabrication 50 mm	173415	1 pc(s)
Adaptor knife set A56 V	Stick fabrication 56 mm	173416	1 pc(s)
Adaptor knife set A50 E3 V	Stick fabrication 50 mm level 3	173420	1 pc(s)
Adaptor knife set A56 E3 V	Stick fabrication 56 mm level 3	173421	1 pc(s)

■ **Technical information**

- For THERM⁺ A-V (not in roof area).
- Use with no. 170400.



System width 50/56/76 mm
Cutting and notching tools
I-Series/V-Series



Article	Range of application	No.	PU
Interchangeable insert E1 I	Transom gaskets I	170490	1 pc(s)
Interchangeable insert E1 V	Transom gaskets V	170491	1 pc(s)

■ **Technical information**

- For THERM⁺ I- and V-series (V-series not in roof area).
- Use with no. 170400.



Article	Range of application	No.	PU
Replacement blades 50, 56	No. 170401, 170402	170405	1 set
Replacement blades 76	No. 170403, 170409	170406	1 set
Replacement blades set F	No. 170407	170408	1 set
Replacement blade	No. 170490, 170491, 170492, 170493	170495	1 pc(s)



Article	No.	PU
Gasket friction stay 45° to 90°	015004	1 pc(s)

■ **Technical information**

- For cutting gaskets up to system width 56 mm.
- Adjustable from 45° to 90°.



Article	No.	PU
Gasket friction stay 90°	015005	1 pc(s)

■ **Technical information**

- For cutting gaskets up to system width 56 mm.



Article	No.	PU
Notching tool 100	170335	1 pc(s)

■ **Technical information**

- For THERM⁺ I-series.
- For notching the interior mullion gaskets up to a width of 100 mm.
- Accessories:
 - Adaptor knife no. 170332 to no. 170362.



Article	No.	PU
Notching tool	170349	1 pc(s)

■ **Technical information**

- For THERM⁺ I-series.
- For notching the interior mullion gaskets up to a width of 76 mm.
- Accessories:
 - Adaptor knife no. 170340 to no. 170362, except no. 170332.

System width 50/56/76 mm
Cutting and notching tools
I-Series/V-Series

Article	No.	PU
Guide pin set I	170336	2 pc(s)



■ **Technical information**

- For THERM⁺ I-series.
- For the modification of notching tool no. 170350 to 170349.
- For use in case of shortened transom screw channel (e.g. steel connector SC).

Article	Range of application	No.	PU
Adaptor knife DF 50	Base gasket for transom D 50 mm	170340	1 pc(s)
Adaptor knife DF 56	Base gasket for transom D 56 mm	170341	1 pc(s)
Adaptor knife DF 76	Base gasket for transom D 76 mm	170342	1 pc(s)
Adaptor knife 50	Mullion gasket 50 mm	170351	2 pc(s)
Adaptor knife 56	Mullion gasket 56 mm	170352	2 pc(s)
Adaptor knife 76	Mullion gasket 76 mm	170353	2 pc(s)
Adaptor knife 96	Mullion gasket 96 mm (only with no. 170335)	170332	2 pc(s)
Adaptor knife 50 E3	3rd drainage level 50 mm	170356	2 pc(s)
Adaptor knife 56 E3	3rd drainage level 56 mm	170357	2 pc(s)
Adaptor knife 76 E3	3rd drainage level 76 mm	170358	2 pc(s)
Adaptor knife F 50	Base gasket for transom S and L 50 mm	170360	1 pc(s)
Adaptor knife F 56	Base gasket for transom S and L 56 mm	170361	1 pc(s)
Adaptor knife F 76	Base gasket for transom S and L 76 mm	170362	1 pc(s)



■ **Technical information**

- For THERM⁺ I-series.
- For notching tool no. 170335 and 170349.

Article	No.	PU
Notching tool V	173350	1 pc(s)



■ **Technical information**

- For THERM⁺ V series (not in roof area).
- Up to a width of 76 mm.
- For notching the interior mullion gaskets.
- Accessories:
 - Adaptor knife no. 173351 to no. 173361.

Article	Range of application	No.	PU
Adaptor knife 50 V	Mullion gasket 50 mm	173351	2 pc(s)
Adaptor knife 56 V	Mullion gasket 56 mm	173352	2 pc(s)
Adaptor knife 76	Mullion gasket 76 mm	173353	2 pc(s)
Adaptor knife 50 E3 V	Interior gasket 50 mm level 3	173356	2 pc(s)
Adaptor knife 56 E3 V	Interior gasket 56 mm level 3	173357	2 pc(s)
Adaptor knife F 50 V	Base gasket for transom 50 V	173360	1 pc(s)
Adaptor knife F 56 V	Base gasket for transom 56 V	173361	1 pc(s)



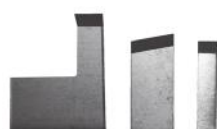
■ **Technical information**

- For THERM⁺ V-series (not in roof area).
- For notching tool no. 173350.

System width 50/56/76 mm
Cutting and notching tools
Series I/Series V



Article	Range of application	No.	PU
Replacement blades	No. 170340, 170341, 170342	015007.12	10 pc(s)
Replacement blades	No. 170351 to 170353, 170331, 170356 to 170358, 170367 to 170369, 170378, 170415, 170416, 170420, 170421, 173351 to 173353, 173356, 173357, 173367, 173368, 173415, 173416	170354	10 pc(s)



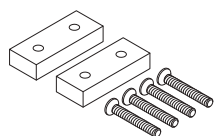
Article	Range of application	No.	PU
Replacement blades F 50	No. 170360, 173360	170363	1 set
Replacement blades F 56	No. 170361, 173361	170364	1 set
Replacement blades F 76	No. 170362	170365	1 set



Article	No.	PU
Modification set notching tool timber stick processing	170425	1 pc(s)

■ **Technical information**

- For THERM⁺ H-I.
- For interior gaskets for stick fabrication.
- For mullions widths from 50 to 100 mm.
- Utilisation with notching tool no. 170349.



Article	No.	PU
Modification set interior gasket 26	170430*	1 pc(s)

■ **Technical information**

- For THERM⁺ I-series.
- For interior gaskets with a height of 26 mm.
- Utilisation with notching tool no. 170349.



Article	No.	PU
Knife for compensation gaskets	170710	1 pc(s)

■ **Technical information**

- For THERM⁺ V-series (not in roof area).
- Tool for cutting the interior gaskets with compensation of the glass infill thickness.



Article	No.	PU
Knife for compensation gaskets	170715	1 pc(s)

■ **Technical information**

- For THERM⁺ V-series (not in roof area).
- Use to cut off sealing lip of interior gaskets with compensation of the glass infill thickness.

System width 50/56/76 mm
Cutting and notching tools
Series I/Series V

Article	No.	PU
Notching knife for insulating block P	170530	1 pc(s)

■ **Technical information**

- For notching of insulating block P.



Article	No.	PU
Gasket roller	170300	1 pc(s)

■ **Technical information**

- For interior and exterior gaskets.



Article	No.	PU
Double gasket roller	170301	1 pc(s)

■ **Technical information**

- For interior and exterior gaskets.



Article	No.	PU
Gasket tool HD	170302	1 pc(s)

■ **Technical information**

- For half gaskets.



Article	No.	PU
Dismantling tool for cover profile	015220	1 pc(s)
Replacement spring	015220.1	1 pc(s)

■ **Technical information**

- For the posterior removal of aluminium cover profiles.



Article	No.	PU
Magazine for RC drive-in bullet	015310	1 pc(s)
Magazine for RC drive-in bullet	170725	1 pc(s)



■ **Technical information**

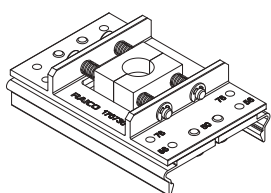
- For fixing the bullets for screw heads no. 014060 on the burglar resistant curtain wall RC2 and RC3.
- No. 170725 for countersunk cylinder head screws.

System width 50/56/76 mm
Cutting and notching tools
Series I/Series V



Article	No.	PU
Assembly aid for heavy glass weight	170705	1 pc(s)

- **Technical information**
 - For pane loads up to 800 kg.
 - Use always in pair.



Article	No.	PU
Screw guidance set	170730	1 pc(s)

- **Technical information**
 - For THERM⁺ I- and V-series (V-series not in roof area).
 - For system widths 50, 56, 76 mm.
 - For the straight guidance of pressure profile screws.



Article	No.	PU
Toggle assembly key SG	170750	1 pc(s)

- **Technical information**
 - For THERM⁺ SG2.
 - Used to place and turn the SG toggles no. 164611 or 164612 into the U profile in the glass edge.
 - With height adjustable guide washer.



Article	No.	PU
Punching steel 50/12	170390	1 pc(s)

- **Technical information**
 - For THERM⁺ I-series.
 - For punching the interior gaskets in case of penetrating parts.



Article	No.	PU
Assembly aid	015230	100 pc(s)

- **Technical information**
 - For THERM⁺ I- and V-series (V-series not in roof area).
 - For system widths 50, 56, 76 mm.
 - For temporary fixation of the glass (use gaskets and screws like for normal glazing).

System width 50/56/76 mm
Drills and countersinks
Series I/Series V

Article	No.	PU
Subland drill 6.0/10.5	015501	1 pc(s)

■ **Technical information**

- Ø 6 mm/Ø 10.5 mm.
- For drilling the visible and countersunk screwed pressure profiles.



Article	No.	PU
Drill 9	170502	1 pc(s)

■ **Technical information**

- Ø 9 mm.
- To drill the pressure and cover profiles in sun protection fixation.
- Spare part for drilling set no. 170500.
- Incl. hexagon socket screw key.



Article	No.	PU
Subland drill 4.5/8	171005	1 pc(s)

■ **Technical information**

- Ø 4.5 mm/Ø 8 mm.
- For drilling of the T-connectors in T-shaped curtain walls for unilateral T-connection.



Article	No.	PU
Subland drill 6.6/11	171010	1 pc(s)

■ **Technical information**

- Ø 6.6 mm/Ø 11 mm.
- For drilling the visible and countersunk screwed flat pressure profiles.



Article	Ø drill	No.	PU
Twist drill 4.3	4.3 mm	171043	10 pc(s)
Twist drill 4.6	4.6 mm	171046	10 pc(s)
Twist drill 5.1	5.1 mm	171051	10 pc(s)
Twist drill 5.3	5.3 mm	171053	10 pc(s)
Twist drill 5.6	5.6 mm	171056	10 pc(s)
Twist drill 6.4	6.4 mm	171064	10 pc(s)
Twist drill 5.0	5.0 mm	171150	10 pc(s)



Article	No.	PU
Timber drill 12	171050	1 pc(s)

■ **Technical information**

- Ø 12 mm.
- With center point.
- For drillings of mullion profiles for TC timber connector.



System width 50/56/76 mm
Drills and countersinks
I-Series/V-Series



Article	No.	PU
Timber drill 4	171061	1 pc(s)

■ **Technical information**

- Ø 4.0 mm.
- For drillings of transom profiles for TC timber connector.
- For use with drilling jig no. 170217.



Article	No.	PU
Screw insert TX 20	170510	1 pc(s)

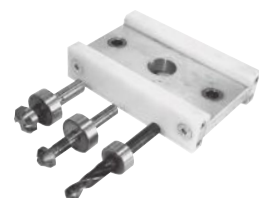
■ **Technical information**

- For the easier drilling of special timber screw no. 908020 and 908021.

Article	No.	PU
Bit elongation 200 mm	441262	1 pc(s)

■ **Technical information**

- For THERM⁺ FS-I.
- Screw bit elongation for screw connection of the fixation units no. 166211 and 166212.



Article	No.	PU
Drilling set for sun protection fixtures	170500	1 pc(s)

■ **Technical information**

- For predrilling the holes for fixation agents of sun protection.
- Adjusted for all aluminium pressure and cover profiles.
- Content:
 - Drilling jig
 - Drill Ø 9 mm with stop
 - Bevel milling head Ø 14.5 mm with stop
 - Bevel milling head Ø 19.5 mm with stop
 - Reversible jaws for system width 50, 56 and 76 mm.



Article	No.	PU
Bevel milling head 14.5	170501	1 pc(s)

■ **Technical information**

- Ø 14.5 mm.
- To drill the pressure and cover profiles in sun protection fixation.
- Spare part for drilling set no. 170500.
- Incl. hexagon socket screw key.

System width 50/56/76 mm
Drills and countersinks
Series I/Series V

Article	No.	PU
Bevel milling head 19.5	170503	1 pc(s)



■ **Technical information**

- Ø 19.5 mm.
- To drill the pressure and cover profiles in sun protection fixation.
- Spare part for drilling set no. 170500.
- Incl. hexagon socket screw key.

Article	No.	PU
Bevel milling head 16.5	170505	1 pc(s)



■ **Technical information**

- For THERM⁺ A-I.
- Ø 16.5 mm.
- For drilling the aluminium structural profiles of the angle connector.

System width 50/56/76 mm

Punching tools and accessories

Series I/Series V



Article	No.	PU
Pneumatic hand punch	298505	1 pc(s)

■ Technical information

- For processing of the aluminium profiles in all THERM⁺ curtain walls, FRAME⁺ and WING window systems.
- Accessories:
 - Angle for table fixture no. 298506, punching tool acc. to application.



Article	No.	PU
Angle for table fixture of pneumatic hand punch	298506	2 pc(s)

■ Technical information

- For the table assembly of pneumatic hand punch no. 298505.



Article	No.	PU
Adapter punch tool pneumatic hand punch 298505	298109	1 pc(s)

■ Technical information

- Adapter for no. 298100 for the assembly of the interchangeable adapters.



Article	No.	PU
Interchangeable adapter slotted hole 30x5	015121	1 pc(s)

■ Technical information

- For the pneumatic punch no. 298505.
- To punch slotted holes 30x5 mm into pressure and cover profiles.



Article	No.	PU
Interchangeable adapter slotted hole 12x5	170050	1 pc(s)

■ Technical information

- For the pneumatic punch no. 298505.
- To punch slotted holes 12x5 mm into base profiles.



Article	No.	PU
Interchangeable adapter 2x 6x9	173055	1 pc(s)

■ Technical information

- For THERM⁺ A-I and A-V (A-V not in roof area).
- For pneumatic punch no. 298505.
- To punch holes with Ø 6 mm in transom profile for subsequent connection with T-connector and combined curtain wall.

Article	No.	PU
Interchangeable adapter 2x 6x27	173060	1 pc(s)

■ **Technical information**

- For THERM⁺ A-I and A-V (A-V not in roof area).
- For pneumatic punch no. 298505.
- To punch holes with Ø 6 mm in transom profile for T-connection with T-connector 25 to 200 and spring bolt.



Article	No.	PU
Interchangeable adapter slotted hole 12x5	170065	1 pc(s)

■ **Technical information**

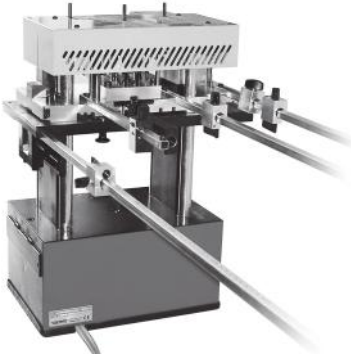
- For THERM⁺ A-I and A-V (A-V not in roof area).
- For pneumatic hand punch no. 298505.
- For notching the holes in expansion transom profile for T-connection.



System width 50/56/76 mm

Punching tools and accessories

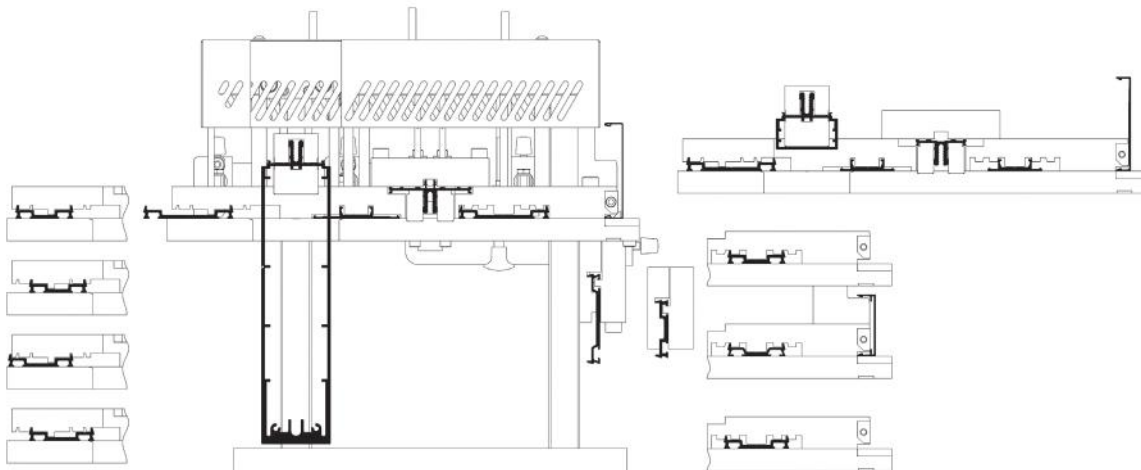
Series I/Series V



Article	No.	PU
Multi functional punching tool curtain wall	298525	1 pc(s)

■ Technical information

- For rational processing of curtain wall profiles.
- Up to 3 mm material thickness.
- For system width 50, 56 and 76 mm.
- Possible punches:
 - Structural profiles A-I and A-V: 2x Ø 6 for T-connection
 - Base profiles H-I and H-V: 4x SH 12x5 for additional screw connection on glass support
 - Cover profiles: 1x SH 30x4 for pressure equalization/drainage
 - Pressure profiles: 1x SH 20x12 for sealing pieces 167140 to 167147
 - Pressure profiles: 1x Ø 6,5 for pressure profile screws (also for pressure profiles for timber cover profile)
 - Pressure profiles: 1x SH 20x5 for pressure equalization/drainage
 - Pressure profiles: 1x SH 40x4 for pressure equalization/drainage
 - Pressure profiles for timber cover profile: 1x Ø 8 for pressure equalization/drainage.
- Scope of delivery:
 - Pneumatic punch
 - Instruction manual
 - Foot pedal
 - Related compressed air-hoses
 - Length lock.



Article	No.	PU
Multi functional punching tool 2	298100	1 pc(s)

■ **Technical information**

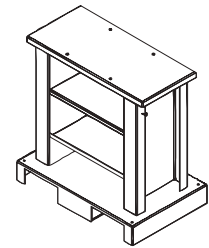
- For the processing of aluminium profiles for all THERM⁺, WING and FRAME⁺ systems.
- Automatic air vent included.
- Accessories:
 - No. 298101, 298102
 - Exchange tools on demand.



Article	No.	PU
Table for multi functional punching tool 2	298101	1 pc(s)

■ **Technical information**

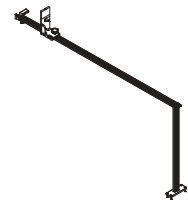
- For the safe assembly of the multifunctional punching tool 2 no. 298100.



Article	No.	PU
Length lock for pneumatic punch 2	298102	1 pc(s)

■ **Technical information**

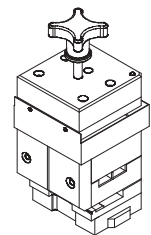
- For multifunctional punching tool no. 298100.



Article	No.	PU
Adaptor tool structural profile	298180	1 pc(s)

■ **Technical information**

- For THERM⁺ A-I and A-V (A-V not in roof area).
- For the multifunctional punching tool 2 no. 298100.
- For the processing of the structural profiles.
- Drill 2x SH 12x5 mm for expansion transom of aluminium T-connector.
- Drill 2x Ø 6 mm for all other aluminium T-connectors.



Article	No.	PU
Adaptor tool ventilation pressure profiles	298182	1 pc(s)

■ **Technical information**

- For the multifunctional punching tool 2 no. 298100.
- For processing of cover and pressure profiles THERM⁺.
- For bevelled cover and pressure profiles (use in roof area).
- Hole for pressure profile for ventilation/drainage (slotted hole 20x5 mm).
- Hole for pressure profile for ventilation/drainage (slotted hole 40x4 mm).
- Hole for cover profile for ventilation/drainage (slotted hole 30x4 mm).

