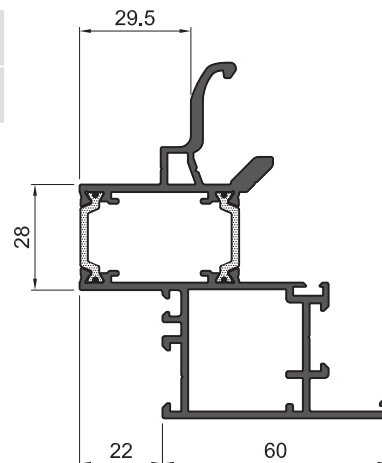


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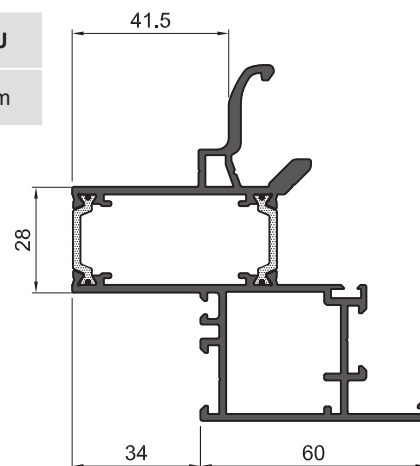
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208306	16	224540	32	228395	43	290104	38		
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220320	25	227215	24	228583	47	294125	36		
220321	25	227220	24	228585	47	294142	37		
220322	25	227225	24	228586	47	294143	37		
220323	25	227230	24	228587	47	294144	37		
220324	25	227455	28	228593	47	294145	37		
220325	25	227806	28	228595	47	294146	37		
220337	23	227818	28	228596	47	298200	42		
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220345.RT	25	227910	24	228805	41	298505	41		
220346	25	227915	24	228815	41	298506	41		

Outer frames
105 DI

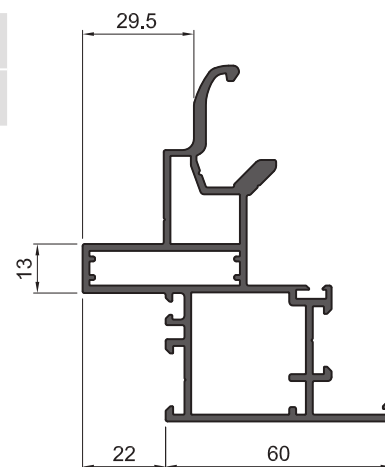
Article	Material	Surface	Surface area m	No.	PU
Integration outer frame 60/20/22	aluminium	mill finished	0.477	208310	6 m



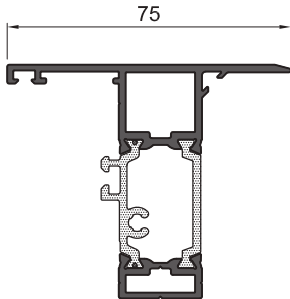
Article	Material	Surface	Surface area m	No.	PU
Integration outer frame 60/20/34	aluminium	mill finished	0.501	208312	6 m



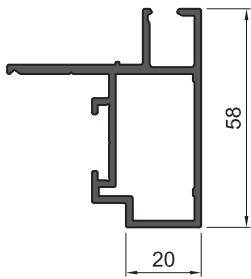
Article	Material	Surface	Surface area m	No.	PU
Integration outer frame 60/20/22	aluminium	mill finished	0.467	208365	6 m



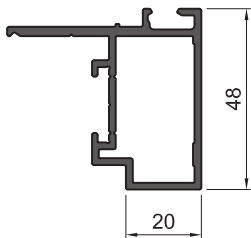
Sash profiles
105 DI



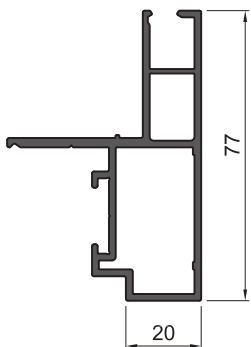
Article	Material	Surface	Surface area m	No.	PU
Exterior sash profile 75	aluminium	mill finished	0.33	208300	6 m



Article	Material	Surface	Surface area m	No.	PU
Interior sash profile 20/58	aluminium	mill finished	0.285	208305	6 m



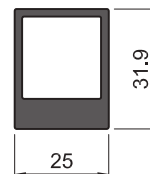
Article	Material	Surface	Surface area m	No.	PU
Interior sash profile 20/48	aluminium	mill finished	0.247	208306	6 m



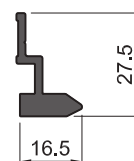
Article	Material	Surface	Surface area m	No.	PU
Interior sash profile 20/77	aluminium	perforated	0.324	232559	6 m

Additional profiles
105 DI

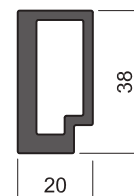
Article	Material	Surface	Surface area m	No.	PU
Insertion profile 32/25	aluminium	mill finished	0.113	225700	6 m



Article	Material	Surface	Surface area m	No.	PU
Insertion profile 16/14	aluminium	mill finished	0.074	225701	6 m



Article	Material	Surface	Surface area m	No.	PU
Insertion profile 38/20	aluminium	mill finished	0.13	225702	6 m



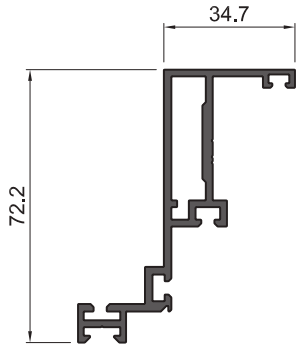
Article	Material	Surface	Surface area m	No.	PU
Compensation profile 12	aluminium	mill finished	0.13	013090	6 m



■ **Technical information**

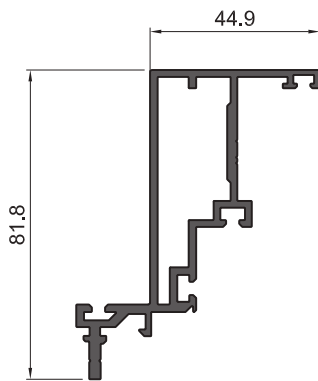
- for the compensation of differing exterior infill thicknesses.

Outer frames
50 SK/50 A



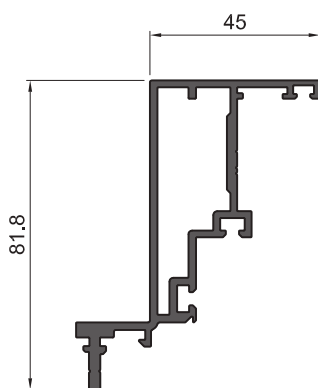
Article	Material	Surface	Surface area m	No.	PU
Outer frame 35/72	aluminium	mill finished	0.351	205000	6 m

- **Technical information**
 - for top-hung projecting opening type.
 - minimum infill thickness 28 mm.



Article	Material	Surface	Surface area m	No.	PU
Outer frame 45/82/6	aluminium	mill finished	0.39	205100	6 m

- **Technical information**
 - for top-hung, side-hung, bottom hung and top-hung projecting opening types.
 - minimum infill thickness 28 mm.



Article	Material	Surface	Surface area m	No.	PU
Outer frame 45/82/4	aluminium	mill finished	0.367	205115	6 m

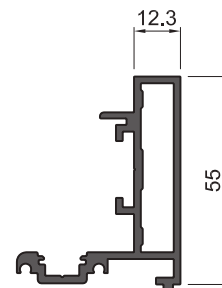
- **Technical information**
 - for top-hung, side-hung, bottom hung and top-hung projecting opening types.
 - minimum infill thickness 28 mm.

Sash profiles
50 SK/50 A

Article	Material	Surface	Surface area m	No.	PU
Interior sash profile 12/55	aluminium	mill finished, perforated	0.288	204000	6 m

■ Technical information

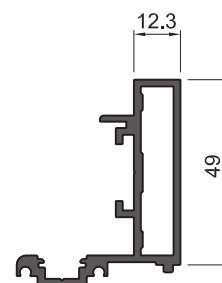
- for infill thicknesses from 24 to 32 mm.



Article	Material	Surface	Surface area m	No.	PU
Interior sash profile 12/49	aluminium	mill finished, perforated	0.266	204010	6 m

■ Technical information

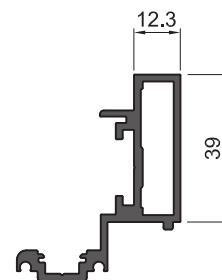
- for infill thicknesses from 31 to 38 mm.



Article	Material	Surface	Surface area m	No.	PU
Interior sash profile 12/39	aluminium	perforated	0.253	204020	6 m

■ Technical information

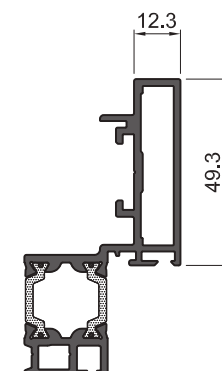
- for infill thicknesses from 40 to 48 mm.



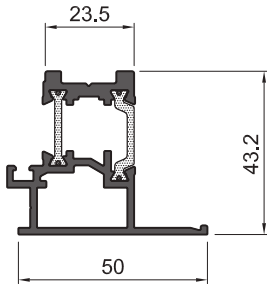
Article	Material	Surface	Surface area m	No.	PU
Sash profile 12/49	aluminium	mill finished	0.328	204050	6 m

■ Technical information

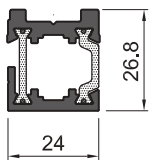
- for infill thicknesses from 27 to 39 mm.



Sash profiles
50 SK/50 A



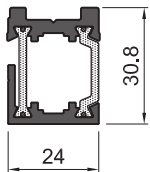
Article	Material	Surface	Surface area m	No.	PU
Exterior sash profile	aluminium	mill finished	0.226	204100	6 m



Article	Material	Surface	Surface area m	No.	PU
Exterior sash profile	aluminium	natural anodised E6 / ETAG	0.114	204110	6 m

■ **Technical information**

- for stepped edge glazing with silicone adhesion.



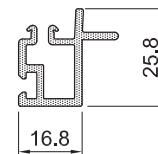
Article	Material	Surface	Surface area m	No.	PU
Exterior sash profile	aluminium	natural anodised E6 / ETAG	-	204112	6 m

■ **Technical information**

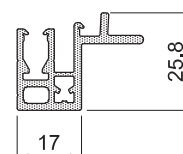
- for stepped edge glazing with 3M-bonding.

Additional profiles
50 SK/50 A

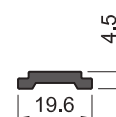
Article	Material	Surface	Surface area m	No.	PU
Frame profile	plastic material	black	0.13	218040	6 m



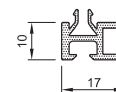
Article	Material	Surface	Surface area m	No.	PU
Frame profile 18	plastic material	black	0.13	218041	6 m



Article	Material	Surface	Surface area m	No.	PU
Espagnolette 20	aluminium	natural ano- dised E6/EV1	0.13	225505	6 m



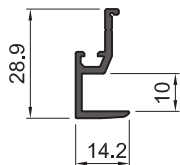
Article	Material	Surface	Surface area m	No.	PU
Ausgleichsprofil 10	plastic material	black	0.13	227006	6 m



■ Technical information

- for THERM⁺ I-series and V-series (V-series not in roof area).
- for system width 50, 56 and 76 mm.
- for FRAME⁺ 75 WI, 75 WB, 75 WA.
- for WING 50 SK/50 A.
- for door series FRAME⁺ 75 DI.
- Accessoires:
 - compensation gasket no. 227010 - 227032.

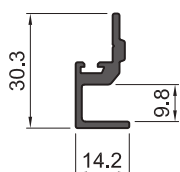
Glazing profiles
50 SK/50 A



Article	Material	Surface	Surface area m	No.	PU
Glazing profile 6	aluminium	mill finished	0.115	218082	6 m

■ **Technical information**

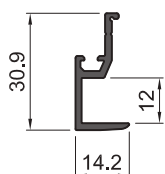
- for two-part sashes 204110 and 204112 with 6 mm outer pane.



Article	Material	Surface	Surface area m	No.	PU
Glazing profile 6	aluminium	mill finished	0.117	218084	6 m

■ **Technical information**

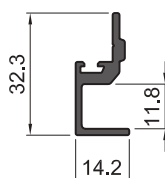
- for one-part sash 204050 with 6 mm outer pane.



Article	Material	Surface	Surface area m	No.	PU
Glazing profile 8	aluminium	mill finished	0.118	218092	6 m

■ **Technical information**

- for two-part sashes 204110 and 204112 with 8 mm outer pane.



Article	Material	Surface	Surface area m	No.	PU
Glazing profile 8	aluminium	mill finished	0.121	218094	6 m

■ **Technical information**

- for one-part sash 204050 with 8 mm outer pane.



Article	Material	Surface	No.	PU
Glazing shim 5/2/100	silicone	black	227080	10 pc(s)

■ **Technical information**

- silicone shim to use as glass carrier in connection with glazing profile 218084.



Article	Material	Surface	No.	PU
Glazing shim 8/2/100	silicone	black	227085	10 pc(s)

■ **Technical information**

- silicone shim to use as glass carrier in connection with glazing profiles 218082 and 218094.



Article	Material	Surface	No.	PU
Glazing shim 10/2/100	silicone	black	227090	10 pc(s)

■ **Technical information**

- silicone shim to use as glass carrier in connection with glazing profile 218092.

Stop gaskets
105 DI, 50 SK/50 A

Article	Material	Surface	No.	PU
Cover gasket	EPDM	black, sliding polymer	220190	100 m



Article	Material	Surface	No.	PU
Stop gasket	EPDM	black, sliding polymer	220214	200 m



■ **Technical information**

- for WING and FRAME⁺ 75 WA.

Article	Material	Surface	No.	PU
Exterior connection gasket	EPDM	black	220218	200 m



Article	Material	Surface	No.	PU
Interior stop gasket 7	EPDM	black, sliding polymer	220339	200 m



■ **Technical information**

- for FRAME⁺ 75 WI, 75 WB, 75 FF, 90 WI, 90 WB.
- for WING 50 SK/50 A with one-part sash.

Compensation gaskets
105 DI, 50 SK/50 A



Article	Material	Surface	No.	PU
Compensation gasket 2	EPDM	black, sliding polymer	227210	100 m
Compensation gasket 4	EPDM	black, sliding polymer	227215	100 m
Compensation gasket 6	EPDM	black, sliding polymer	227220	100 m
Compensation gasket 8	EPDM	black, sliding polymer	227225	100 m
Compensation gasket 10	EPDM	black, sliding polymer	227230	100 m



Article	Material	Surface	No.	PU
Compensation profile 2/12	EPDM	black, adhesive	227910	10 m
Compensation profile 4/12	EPDM	black, adhesive	227915	10 m
Compensation profile 6/12	EPDM	black, adhesive	227920	5 m
Compensation profile 8/12	EPDM	black, adhesive	227925	5 m
Compensation profile 10/12	EPDM	black, adhesive	227930	5 m



Article	Material	Surface	No.	PU
Compensation gasket 2	EPDM	black, sliding polymer	227010	100 m
Compensation gasket 4	EPDM	black, sliding polymer	227015	100 m
Compensation gasket 6	EPDM	black, sliding polymer	227020	100 m
Compensation gasket 8	EPDM	black, sliding polymer	227025	100 m
Compensation gasket 10	EPDM	black, sliding polymer	227030	100 m

■ **Technical information**

- for the compensation of the infill thickness for THERM⁺.
- for FRAME⁺ 75 WI, 75 WB, 75 WA, 90 WI, 90 WB.
- for WING 50 SK/50 A.
- with THERM⁺ for compensation of infill thickness.



Article	Material	Surface	No.	PU
Compensation gasket 9/17	EPDM	black, sliding polymer	227032	100 m

■ **Technical information**

- for the compensation of the infill thickness for THERM⁺.
- for FRAME⁺ 75 WI, 75 WB, 75 WA, 90 WI, 90 WB.
- for WING 50 SK/50 A.
- gasket with tear-off point 3/5/7 mm.

Glazing gaskets
105 DI, 50 SK/50 A

Article	Material	Surface	No.	PU
Corner vulcanisation for medial gasket	EPDM	black, sliding polymer	220345.R	1 pc(s)
Corner vulcanisation for medial gasket	EPDM	black	220345.RT	1 pc(s)



■ Technical information

- for WING 105 DI.

Article	Material	Surface	No.	PU
Interior glazing gasket 3 to 4	EPDM	black, sliding polymer	220100	100 m
Interior glazing gasket 5 to 6	EPDM	black, sliding polymer	220110	100 m
Interior glazing gasket 7 to 8	EPDM	black, sliding polymer	220120	100 m
Interior glazing gasket 9 to 10	EPDM	black, sliding polymer	220130	100 m



■ Technical information

- for FRAME⁺ 75 WI, 75 WB, 75 WA, 90 WI, 90 WB.
- for WING 50 SK/50 A.
- for door System FRAME⁺ 75 DI.

Article	Material	Surface	No.	PU
Interior gasket 3	EPDM	black, dry	220320	100 m
Interior gasket 5	EPDM	black, dry	220321	100 m
Interior gasket 7	EPDM	black, dry	220322	100 m
Interior gasket 9	EPDM	black, dry	220323	100 m
Interior gasket 11	EPDM	black, dry	220324	75 m
Interior gasket 13	EPDM	black, dry	220325	75 m



■ Technical information

- for interior compensation of infill thickness with 116005.
- for WING 50 SK/50 A.

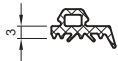
Article	Material	Surface	No.	PU
Interior gasket 4	EPDM	black, sliding polymer	220346	100 m
Interior gasket 6	EPDM	black, sliding polymer	220347	100 m
Interior gasket 8	EPDM	black, sliding polymer	220348	100 m
Interior gasket 10	EPDM	black, sliding polymer	220349	100 m
Interior gasket 12	EPDM	black, sliding polymer	220350	100 m



■ Technical information

- for FRAME⁺ 75 WI, 75 WB, 75 FF, 75 WA, 90 WI, 90 WB.
- for WING 50 SK/50 A.

Gaskets for pressure profile
105 DI



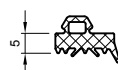
Article	Material	Surface	No.	PU
Gasket for pressure profile 3	EPDM	black, sliding polymer	011070.LI	100 m
Gasket for pressure profile 3	EPDM	black, sliding polymer	011070.RE	100 m

■ **Technical information**

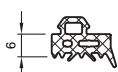
- RE = rolled up right
- LI = rolled up left
- for all standard pressure profiles.



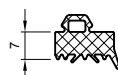
Article	Material	Surface	No.	PU
Gasket for pressure profile 4	EPDM	black, sliding polymer	011077	100 m



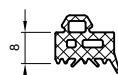
Article	Material	Surface	No.	PU
Gasket for pressure profile 5	EPDM	black, sliding polymer	011073	100 m



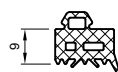
Article	Material	Surface	No.	PU
Gasket for pressure profile 6	EPDM	black, sliding polymer	011076	100 m



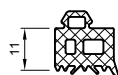
Article	Material	Surface	No.	PU
Gasket for pressure profile 7	EPDM	black, sliding polymer	011074	100 m



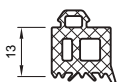
Article	Material	Surface	No.	PU
Gasket for pressure profile 8	EPDM	black, sliding polymer	011071	100 m



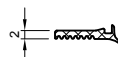
Article	Material	Surface	No.	PU
Gasket for pressure profile 9	EPDM	black, sliding polymer	011075	100 m



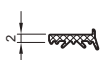
Article	Material	Surface	No.	PU
Gasket for pressure profile 11	EPDM	black, sliding polymer	011072	100 m



Article	Material	Surface	No.	PU
Gasket for pressure profile 13	EPDM	black, sliding polymer	011078	50 m



Article	Material	Surface	No.	PU
Gasket for pressure profile 2/16	EPDM	black, adhesive	220205	100 m



Article	Material	Surface	No.	PU
Pressure profile gasket 2/12	EPDM	black, adhesive	220209	100 m

Gaskets
105 DI, 50 SK/50 A

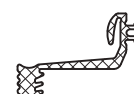
Article	Material	Surface	No.	PU
Corner vulcanised medial gasket	EPDM	black, sliding polymer	220015.R	1 pc(s)
Corner vulcanised medial gasket	EPDM	black	220015.RT	1 pc(s)



■ **Technical information**

- for WING 105 DI.

Article	Material	Surface	No.	PU
Corner vulcanised medial gasket	EPDM	black, sliding polymer	220226.R	1 pc(s)
Corner vulcanised medial gasket	EPDM	black	220226.RT	1 pc(s)



■ **Technical information**

- for WING 50 SK/50 A.

Insulation insertion
105 DI



Article	Material	Surface	No.	PU
Insulating block 7/50	polyethylene	-	227455	50 m

■ **Technical information**

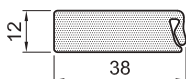
- for outer frame profile FRAME⁺ 75 WI.
- for socket profile no. 214520 FRAME⁺ 75 DI.
- for sash WING 105 DI.



Article	Material	Surface	No.	PU
Insulation insertion 13/21	Polystyrene	-	227806	50 m

■ **Technical information**

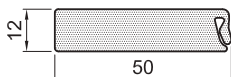
- for WING 105 DI: no. 208300.
- for window system FRAME⁺: no. 214504, 214554, 214644, 214606, 214900.
- for door system FRAME⁺: no. 321011.



Article	Material	Surface	No.	PU
Insulation insertion 38/12	Polystyrene	-	227818	50 m

■ **Technical information**

- for no. 208310.



Article	Material	Surface	No.	PU
Insulation insertion 50/12	Polystyrene	-	227819	50 m

■ **Technical information**

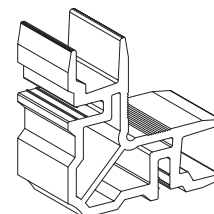
- for no. 208312.

Connectors
105 DI

Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223462	4 pc(s)

■ Technical information

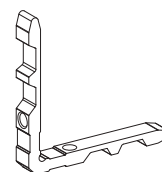
- for no. 208310, 208312 and 208365.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223474	4 pc(s)

■ Technical information

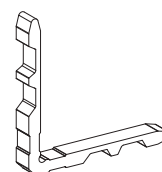
- can be punched or nailed.
- for no. 208310 and 208312.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223475	4 pc(s)

■ Technical information

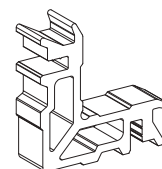
- can be punched.
- for no. 208310 and 208312.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223476	4 pc(s)

■ Technical information

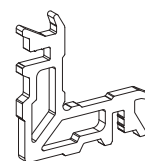
- for no. 208300.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223477	4 pc(s)

■ Technical information

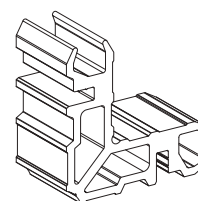
- for no. 208300.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223478	4 pc(s)

■ Technical information

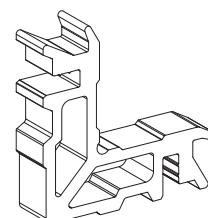
- for no. 208305, 208306 and 232559.



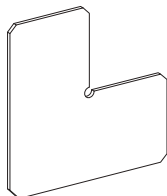
Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223479	4 pc(s)

■ Technical information

- for no. 208365.

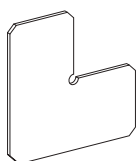


Connectors
105 DI



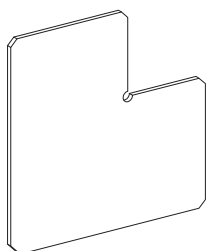
Article	Material	Surface	No.	PU
Chevron	aluminium	bare	223461	20 pc(s)

- **Technical information**
– for no. 208310.



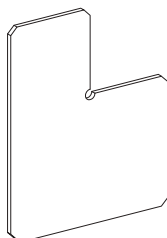
Article	Material	Surface	No.	PU
Chevron	aluminium	natural anodised E6/ EV1	223463	20 pc(s)

- **Technical information**
– for no. 208300.



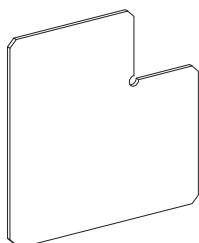
Article	Material	Surface	No.	PU
Chevron	aluminium	bare	223467	20 pc(s)

- **Technical information**
– for no. 208312.



Article	Material	Surface	No.	PU
Chevron	aluminium	bare	223468	20 pc(s)

- **Technical information**
– for no. 208310 and 208312.



Article	Material	Surface	No.	PU
Chevron	aluminium	bare	223473	20 pc(s)

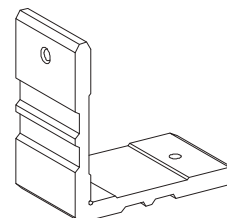
- **Technical information**
– for no. 208365.

Connectors
50 SK/50 A

Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223071	4 pc(s)

■ **Technical information**

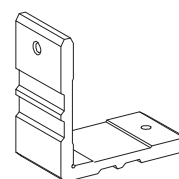
- for sashes no. 204000 and 204010.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223072	4 pc(s)

■ **Technical information**

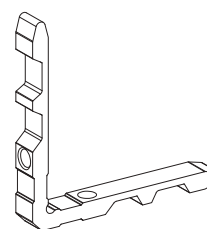
- for sash no. 204050.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223074	4 pc(s)

■ **Technical information**

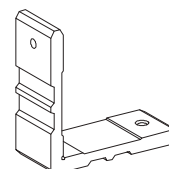
- for sash interior profile no. 204020.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223075	4 pc(s)

■ **Technical information**

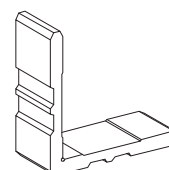
- for outer frame no. 205000.



Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223076	4 pc(s)

■ **Technical information**

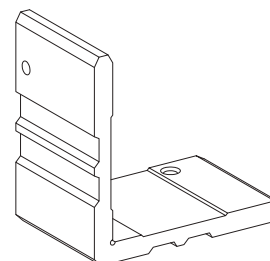
- for outer frame no. 205000.



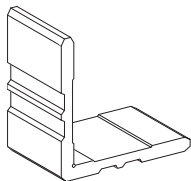
Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223077	4 pc(s)

■ **Technical information**

- for outer frames no. 205100 and 205115.

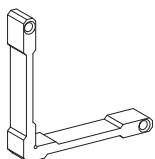


Connectors
50 SK/50 A



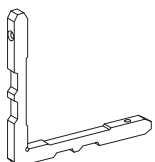
Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223078	4 pc(s)

- **Technical information**
 - for outer frames no. 205100 and 205115.



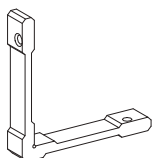
Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223080	4 pc(s)

- **Technical information**
 - for sashes no. 204100 and 204110.



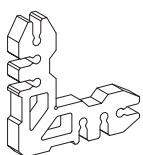
Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223081	4 pc(s)

- **Technical information**
 - for sash no. 204050.



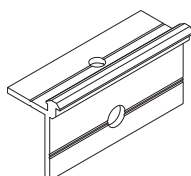
Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223085	4 pc(s)

- **Technical information**
 - for frame profile no. 218040.

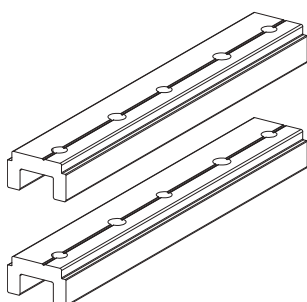


Article	Material	Surface	No.	PU
Corner angle	aluminium	mill finished	223090	4 pc(s)

- **Technical information**
 - for sash no. 204100.



Article	Material	Surface	No.	PU
Assembly angle piece 50	aluminium	mill finished	224540	10 pc(s)
Assembly angle piece 56	aluminium	mill finished	224545	10 pc(s)
Assembly angle piece 76	aluminium	mill finished	224550	10 pc(s)

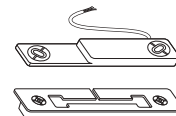


Article	Material	Surface	No.	PU
Insertion sash	aluminium	mill finished	224569	2 pc(s)

- **Technical information**
 - for WING 50 A-S with 3M-bondage in the sash no. 204112.

Accessories
105 DI, 50 SK/50 A

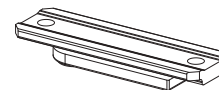
Article	Material	Surface	No.	PU
CL contact unit VdS B 10m	-	-	242250	1 pc(s)
CL contact unit VdS B LSN 6m	-	-	242251	1 pc(s)
CL contact unit VdS C 10m	-	-	242252	1 pc(s)
MTS contact unit 10m	-	-	242254	1 pc(s)



■ **Technical information**

- no. 242250 and 242254: VdS B, 10 m.
- no. 242251: VdS B LSN, 6 m BUS-able.
- no. 242252: VdS C, 10 m.

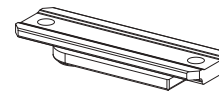
Article	Material	Surface	No.	PU
Opening sensor additions 50A/SK	-	-	242260	1 pc(s)
Completion kit fastener control 50A/SK	-	-	242262	1 pc(s)



■ **Technical information**

- no. 242260: opening monitoring for WING 50 SK/50 A.
- no. 242262: opening monitoring for WING 50 SK/50 A.

Article	Material	Surface	No.	PU
Opening sensor additions 105 DI / FRAME ⁺	-	-	242264	1 pc(s)
Opening sensor additions 105 DI / FRAME ⁺	-	-	242266	1 pc(s)



■ **Technical information**

- no. 242264: opening monitoring.
- no. 242266: opening and closing monitoring.

Article	Material	Surface	No.	PU
Structural Glazing Tape B 23 F	-	black	227050	5 pc(s)



■ **Technical information**

- for WING 50 SK/50 A with 3M-bondage.
- 1 PU = 5 rolls à 16.5 m.

Screws

105 DI, 50 SK/50 A



Article	Material	Surface	No.	PU
Nail Ø 5x8	aluminium	bare	230025	100 pc(s)



Article	Material	Surface	No.	PU
Nail Ø 5x10	aluminium	bare	230000	100 pc(s)



Article	Material	Surface	No.	PU
Nail Ø 5x13.5	aluminium	bare	230002	100 pc(s)



Article	Material	Surface	No.	PU
Blind rivet 4x8	stainless steel	bright rolled	230196	100 pc(s)



Article	Material	Surface	Drive	No.	PU
Special flat fillister head screw 4.8x19 with sealing washer	stainless steel V2A	polymer lubricated	hexagon socket S5	908052	100 pc(s)

■ **Technical information**

- comes with sealing washer no. 012050



Article	Material	Surface	Drive	No.	PU
Flat fillister head screw 4.8x13	stainless steel V2A	polymer lubricated	hexagon socket S4	904613	100 pc(s)

■ **Technical information**

- with long coin point and cutting notch.



Article	Material	Surface	Drive	No.	PU
Special countersunk screw 4.8x19	stainless steel V2A	bright rolled	hexagon socket S4	230070	100 pc(s)

■ **Technical information**

- with long coin point and cutting notch.



Article	Material	Surface	Drive	No.	PU
Special countersunk screw 3.9x13	stainless steel V2A	bright rolled	cross recess	230075	100 pc(s)

■ **Technical information**

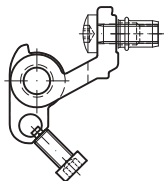
- special thread for screwing in synthetic material.

Screws
105 DI, 50 SK/50 A

Article	Material	Surface	Drive	No.	PU
Countersunk screw 3.9x32	stainless steel V4A	polymer lubricated	cross recess PH2	902505	100 pc(s)



Hinges
105 DI



Article	Material	Surface	No.	PU
Turn hinge 105 DI	aluminium	natural anodised E6/EV1	294125	1 pc(s)

- **Technical information**
 - opening outwards.

Hinges
50 SK/50 A

Article	Material	Surface	No.	PU
TU-ON hinge 50 A-R	aluminium	black	294142	1 pc(s)

■ Technical information

- for WING 50 A-R with sash no. 204100.
- fixing materials included in sales unit.



Article	Material	Surface	No.	PU
TU-ON hinge 50 A-S 6	aluminium	black	294143	1 pc(s)

■ Technical information

- for WING A-S, two-part sash with glazing profile 218082.
- for step glazing with exterior pane 6 mm.
- fixing materials included in sales unit.



Article	Material	Surface	No.	PU
TU-ON hinge 50 A-S 6	aluminium	black	294144	1 pc(s)

■ Technical information

- for WING A-S, one-part sash with glazing profile 218084.
- for step glazing with exterior pane 6 mm.
- fixing materials included in sales unit.



Article	Material	Surface	No.	PU
TU-ON hinge 50 A-S 8	aluminium	black	294145	1 pc(s)

■ Technical information

- for WING A-S, two-part sash with glazing profile 218092.
- for step glazing with exterior pane 8 mm.
- fixing materials included in sales unit.



Article	Material	Surface	No.	PU
TU-ON hinge 50 A-S 8/1	aluminium	black	294146	1 pc(s)

■ Technical information

- for WING A-S, one-part sash with glazing profile 218094.
- for step glazing with exterior pane 8 mm.
- fixing materials included in sales unit.



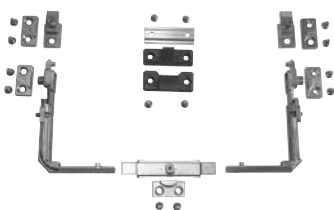
Locks
50 SK/50 A



Article	Material	Surface	No.	PU
50 SK set of friction stay SK3	aluminium	aluminium	290063	1 pc(s)
50 SK set of friction stay SK4	aluminium	aluminium	290064	1 pc(s)
50 SK set of friction stay SK5	aluminium	aluminium	290065	1 pc(s)
50 SK set of friction stay SK6	aluminium	aluminium	290066	1 pc(s)
50 SK set of friction stay SK7	aluminium	aluminium	290067	1 pc(s)

■ **Technical information**

- for one window, consisting of 2 pieces each:
 - friction stays
 - back plates, back pieces
 - height adjustment
 - screws and fastenings.



Article	Material	Surface	No.	PU
Locking set 0	aluminium	aluminium	290100	1 pc(s)
Locking set type 1	aluminium	aluminium	290101	1 pc(s)
Locking set type 2	aluminium	aluminium	290102	1 pc(s)
Locking set type 3	aluminium	aluminium	290103	1 pc(s)
Locking set type 4	aluminium	aluminium	290104	1 pc(s)
Locking set type 5	aluminium	aluminium	290105	1 pc(s)
Locking set type 6	aluminium	aluminium	290106	1 pc(s)
Locking set type 7	aluminium	aluminium	290107	1 pc(s)

■ **Technical information**

- for one window, consisting of:
 - end lock
 - corner lock, centre lock, top lock
 - closing angle
 - screws and fastenings.



Article	Material	Surface	No.	PU
Centre lock	aluminium	aluminium	290121	1 pc(s)

■ **Technical information**

- additional lock for windows with motor drive.
- for WING 50 A sidehung window with handle.



Article	Material	Surface	No.	PU
Corner lock	aluminium	aluminium	290122	2 pc(s)

■ **Technical information**

- additional lock for windows with motor drive.
- for WING 50 A sidehung window with handle.

Locks
50 SK/50 A

Article	Material	Surface	No.	PU
End lock	aluminium	aluminium	290123	2 pc(s)



■ **Technical information**

- additional lock for windows with motor drive.
- for WING 50 A sidehung window with handle.

Article	Material	Surface	No.	PU
Top lock	aluminium	aluminium	290124	1 pc(s)



■ **Technical information**

- additional lock for windows with motor drive.

Article	Material	Surface	No.	PU
Gear unit for handle	-	-	290125	1 pc(s)



■ **Technical information**

- for one window with handle, consisting of:
 - central gear for 7 mm square
 - connecting parts for espagnolette no. 225505
 - screws and fastenings.

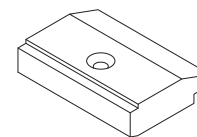
Article	Material	Surface	No.	PU
Opening restrictor	-	-	291050	1 pc(s)



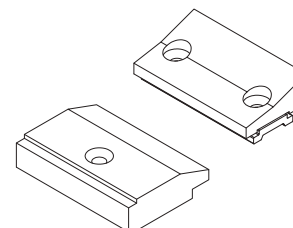
■ **Technical information**

- for WING 50 A side-hung window.

Article	Material	Surface	No.	PU
Stop bent	plastic material	black	291038	2 pc(s)



Article	Material	Surface	No.	PU
Stop wedge and retainer key	plastic material	black	291039	1 pc(s)



Punching tools and accessories
50 SK/50 A

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

■ **Technical information**

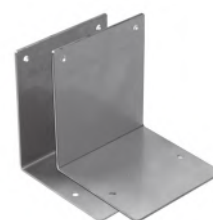
- for processing of the aluminium profiles in all THERM⁺ curtain walls and FRAME⁺ and WING window systems.
- accessories:
298506, punching tool acc. to application.



Article	Material	Surface	No.	PU
Angle for table fixture of 298505	-	-	298506	2 pc(s)

■ **Technical information**

- for table assembly of pneumatic hand punch no. 298505.



Article	Material	Surface	No.	PU
Extension set 6	-	-	228805	1 pc(s)

■ **Technical information**

- for pneumatic punch no. 298505.
- for WING 50 SK/50 A.
- for finishing of profile for driving rod no. 225505.



Article	Material	Surface	No.	PU
Extension set with slotted hole 5/30	-	-	228815	1 pc(s)

■ **Technical information**

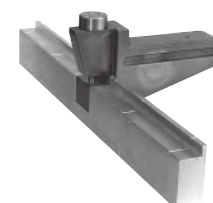
- for pneumatic punch no. 298505.
- for WING 50 SK/50 A.
- for finishing frame profile no. 218040 and 218041.



Article	Material	Surface	No.	PU
Extension set 42	-	-	228820	1 pc(s)

■ **Technical information**

- for pneumatic punch no. 298505.
- for WING 50 SK/50 A.
- for finishing the glazing beads no. 218082 and no. 218092.



Article	Material	Surface	No.	PU
Punching tool for driving rod groove	-	-	228825	1 pc(s)

■ **Technical information**

- for pneumatic punch no. 298505.
- for WING 50 SK/50 A.



Punching tools and accessories

50 SK/50 A



Article	Material	Surface	No.	PU
Pneumatic hand punch 2	-	-	298200	1 pc(s)

■ Technical information

- for processing of the aluminium profiles in FRAME⁺ and WING window and door systems.
- accessories:
punching tool acc. to application.



Article	Material	Surface	No.	PU
Punch tool for glass carrier holes	-	-	298301	1 pc(s)

■ Technical information

- for pneumatic hand punch no. 298200.
- for FRAME⁺ 75 FF for the processing of connection profile no. 218700.
- for WING 50 SK/50 A for the processing of glazing profiles no. 218084 and 218094.

Drilling jigs
105 DI

Article	Material	Surface	No.	PU
Drilling jig for corner angle	-	-	228352	1 pc(s)



■ **Technical information**

- Application for interior outer frame profile no. 208310, 208312, 208365.

Article	Material	Surface	No.	PU
Drilling jig for corner angle	-	-	228373	1 pc(s)



■ **Technical information**

- Application for interior sash profile no. 208305, 208306, 232559.

Article	Material	Surface	No.	PU
Drilling jig for corner angle	-	-	228390	1 pc(s)



■ **Technical information**

- Application for outer frame profile no. 208310, 208312.

Article	Material	Surface	No.	PU
Drilling jig for corner angle	-	-	228391	1 pc(s)



■ **Technical information**

- Application for external exterior sash profile no. 208300.

Article	Material	Surface	No.	PU
Drilling jig for corner angle	-	-	228392	1 pc(s)



■ **Technical information**

- Application internal exterior sash profile no. 208300.

Article	Material	Surface	No.	PU
Drilling jig for drainage	-	-	228393	1 pc(s)



■ **Technical information**

- Application for outer frame profile no. 208310, 208312, 208365.

Article	Material	Surface	No.	PU
Drilling jig for hinges	-	-	228395	1 pc(s)



■ **Technical information**

- Application for outer frame profile no. 208310, 208312, 208365.

Drilling jigs

105 DI



Article	Material	Surface	No.	PU
Drilling jig for hinges	-	-	228396	1 pc(s)

■ **Technical information**

- Application for exterior sash profile no. 208300.



Article	Material	Surface	No.	PU
Milling jig	-	-	228405	1 pc(s)

■ **Technical information**

- Application for outer frame profile no. 208365.

Drilling jigs
50 SK/50 A

Article	Material	Surface	No.	PU
Drilling jig for corner angle drills	-	-	228155	1 pc(s)



■ **Technical information**

- can be used with the following profile: 205000.

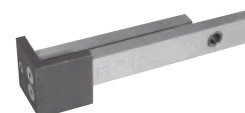
Article	Material	Surface	No.	PU
Drilling jig for corner angle drills	-	-	228156	1 pc(s)



■ **Technical information**

- can be used with the following profiles: 204000, 204010, 204020.

Article	Material	Surface	No.	PU
Drilling jig for corner angle drills	-	-	228160	1 pc(s)



■ **Technical information**

- can be used with the following profiles: 204100, 204110, 204120.

Article	Material	Surface	No.	PU
Drilling jig for corner angle	-	-	228165	1 pc(s)



■ **Technical information**

- can be used with the following profile: 218040.

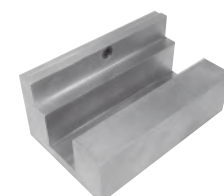
Article	Material	Surface	No.	PU
Drilling jig for corner angle	-	-	228170	1 pc(s)



■ **Technical information**

- can be used with the following profile: 218040.

Article	Material	Surface	No.	PU
Drilling jig for drainage	-	-	228175	1 pc(s)



■ **Technical information**

- can be used for drainage at profile no. 204100.

Article	Material	Surface	No.	PU
Drilling jig for assembly of fittings	-	-	228206	1 pc(s)



■ **Technical information**

- for locks.

Drilling jigs

50 SK/50 A



Article	Material	Surface	No.	PU
Drilling jig for cremone bolt boring	-	-	228220	1 pc(s)

■ **Technical information**

- for handle hole pattern 43 mm.



Article	Material	Surface	No.	PU
Drilling jig for corner angle	-	-	228460	1 pc(s)

■ **Technical information**

- can be used with the following profile: 205100.



Article	Material	Surface	No.	PU
Drilling jig	-	-	228461	1 pc(s)

■ **Technical information**

- can be used with the following profile: 218041.



Article	Material	Surface	No.	PU
Drilling jig	-	-	228465	1 pc(s)

■ **Technical information**

- for turn hinges in the profile no. 204100.



Article	Material	Surface	No.	PU
Drilling jig	-	-	228467	1 pc(s)

■ **Technical information**

- for turn hinges in the profile no. 204110.



Article	Material	Surface	No.	PU
Drilling jig	-	-	228469	1 pc(s)

■ **Technical information**

- for turn hinges in the profile no. 204050.



Article	Material	Surface	No.	PU
Drilling jig	-	-	228477	1 pc(s)

■ **Technical information**

- can be used with the following profile: 204050.

Drilling jigs
50 SK/50 A

Article	Material	Surface	No.	PU
Drilling jig	aluminium	mill finished	228479	1 pc(s)



■ **Technical information**

- for WING 50 A: TU-ON hinges in sash profile no. 204112.

Article	Material	Surface	No.	PU
Drilling jig for set of friction stays SK3 and SK4	-	-	228583	1 pc(s)
Drilling jig for set of friction stays SK5	-	-	228585	1 pc(s)
Drilling jig for set of friction stays SK6	-	-	228586	1 pc(s)
Drilling jig for set of friction stays SK7	-	-	228587	1 pc(s)



■ **Technical information**

- can be used with the following profiles:
- 75 WA: 217010, 217011, 217012, 217013.
- for WING 50 SK/A and FRAME⁺ 75 WA in the outer frame.

Article	Material	Surface	No.	PU
Drilling jig for set of friction stays SK3 and SK4	-	-	228593	1 pc(s)
Drilling jig for set of friction stays SK5	-	-	228595	1 pc(s)
Drilling jig for set of friction stays SK6	-	-	228596	1 pc(s)
Drilling jig for set of friction stays SK7	-	-	228597	1 pc(s)



■ **Technical information**

- for WING 50 SK/A in sash.

Sawing jigs

105 DI



Article	Material	Surface	No.	PU
Sawing and milling jig	plastic material	white	228400	2 pc(s)

■ **Technical information**

- for outer frame.



Article	Material	Surface	No.	PU
Cutting jig	plastic material	white	228401	2 pc(s)

■ **Technical information**

- for sash interior profile.



Article	Material	Surface	No.	PU
Sawing and milling jig	plastic material	white	228402	2 pc(s)

■ **Technical information**

- for sash exterior profile.



Article	Material	Surface	No.	PU
Milling jig	plastic material	white	228403	2 pc(s)

■ **Technical information**

- for sash exterior profile.



Article	Material	Surface	No.	PU
Cutting jig	plastic material	white	228404	2 pc(s)

■ **Technical information**

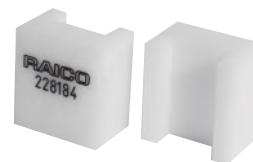
- for sash interior profile.

Sawing jigs
50 SK/50 A

Article	Material	Surface	No.	PU
Cutting jig	plastic material	white	228184	2 pc(s)

■ **Technical information**

- can be used with the following profiles: 204000, 204010.



Article	Material	Surface	No.	PU
Cutting jig	plastic material	white	228185	2 pc(s)

■ **Technical information**

- can be used with the following profiles: 205000, 205100.



Article	Material	Surface	No.	PU
Cutting jig	plastic material	white	228186	2 pc(s)

■ **Technical information**

- can be used with the following profile: 204100.



Article	Material	Surface	No.	PU
Cutting jig	plastic material	white	228187	2 pc(s)

■ **Technical information**

- can be used with the following profile: 205000.



Article	Material	Surface	No.	PU
Cutting jig	plastic material	white	228451	2 pc(s)

■ **Technical information**

- can be used with the following profile: 205100.



Article	Material	Surface	No.	PU
Milling jig	plastic material	white	228452	2 pc(s)

■ **Technical information**

- can be used with the following profile: 218041.



Article	Material	Surface	No.	PU
Milling jig	plastic material	white	228453	2 pc(s)

■ **Technical information**

- can be used with the following profile: 218041.



Sawing jigs

50 SK/50 A



Article	Material	Surface	No.	PU
Cutting jig	plastic material	white	228455	2 pc(s)

■ **Technical information**

- can be used with the following profiles: 218082, 218092.



Article	Material	Surface	No.	PU
Sawing and milling jig	plastic material	white	228456	2 pc(s)

■ **Technical information**

- can be used with the following profile: 204050.



Article	Material	Surface	No.	PU
Sawing and milling jig	plastic material	white	228457	2 pc(s)

■ **Technical information**

- can be used with the following profiles: 218084, 218094.



Article	Material	Surface	No.	PU
Sawing and milling jig	plastic material	white	228458	2 pc(s)

■ **Technical information**

- can be used with the following profile: 204050.

Tools

105 DI, 50 SK/50 A

Article	Material	Surface	No.	PU
Notching friction stay for medial gasket	-	-	228204	1 pc(s)

■ **Technical information**

- for medial gasket drainage.



Article	Material	Surface	No.	PU
Mitre friction stay	-	-	229005	1 pc(s)



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

■ **Technical information**

- for gaskets up to system width 56 mm.



Article	Material	Surface	No.	PU
Hand pliers for clinch nut GBM 10 - M5	-	-	298515	1 pc(s)

■ **Technical information**

- for hinge attachment on sash.
- accessories:
- no. 228397.



Article	Material	Surface	No.	PU
Insert for setting tool	-	-	228397	1 pc(s)

■ **Technical information**

- for hinge attachment on sash.



Article	Material	Surface	No.	PU
Nailing mandrill	-	-	228043	1 pc(s)

■ **Technical information**

- for hammering in the aluminium nails.



Article	Material	Surface	No.	PU
Mechanical riveting pin	-	-	228044	1 pc(s)



Tools

105 DI, 50 SK/50 A



Article	Material	Surface	No.	PU
Laminator SGA 250-15	-	-	228201	1 pc(s)

■ **Technical information**

- for 3M-bonding of WING 50 SK-S/A-S.



Article	Material	Surface	No.	PU
Hand press SGA 300-130	-	-	228202	1 pc(s)



Article	Material	Surface	No.	PU
Pneumatic gun	-	-	228200	1 pc(s)

■ **Technical information**

- for double cartridge no. 227145.



Article	Material	Surface	No.	PU
Hand held squeeze gun	-	-	014021	1 pc(s)

■ **Technical information**

- for the processing of no. 014015 and 952020.
- for tubular bags 600 ml.



Article	Material	Surface	No.	PU
Hand held squeeze gun			014022	1 pc(s)

■ **Technical information**

- for the connection of no. 952010.
- for tubular bags 80 ml / 100 ml.



Article	Material	Surface	No.	PU
2 K-PU-glue	two-component polyurethane	grey	227145	10 pc(s)

■ **Technical information**

- stable 2-component adhesive on a polyurethane basis.
- excellent adhesion to metals, tensile strength, weatherproof, heat-resistant.
- **special adhesive for the gluing of corner brackets in metal construction.**
- double cartridges 2 x 310 ml with static mixer, mixing ratio 1:1.
- processing temperature from 5 °C.
- working time: approx. 45 min.
- application temperature: - 30 °C to + 80 °C.

Tools

105 DI, 50 SK/50 A

Article	Material	Surface	No.	PU
Seam paste	-	grey	952010	1 pc(s)



■ Technical information

- 1-component moisture cross-linked silane polyether prepolymer.
- elastic, UV-fast, weatherproof.
- **sealant for the sealing e.g. of mitre cuts, butt joints of mullion/transom and sash bar connections.**
- min. processing temperature from + 10 °C.
- application with hand-held squeeze gun no. 014022.
- content: 150 g infoil bag.

Article	Material	Surface	No.	PU
Sealing material D2	MS polymere	black	952015	1 pc(s)



■ Technical information

- **Sealant for the sealing, caulking and gluing of EPDM and plastic parts.**
- Silicone sealant on the basis of a modified amine system.
- black, pasty, odourless.
- UV, weather and ageing-resistant, flame resistant B1.
- processing temperature: - 5° C to + 40 °C.
- application temperature: - 30 °C to + 80 °C.
- respect the technical data sheet!
- processing with hand to held squeeze gun no. 014021.
- content: 310 ml in nozzle cartridge.

Article	Material	Surface	No.	PU
Loctite 424	-	transparent	952023	1 pc(s)



■ Technical information

- 1-component ethyl cyano-acrylate.
- transparent, low viscosity.
- **for gluing rubber, elastomers, plastics and materials that are difficult to glue.**
- content: 20 g in a synthetic bottle.

Article	Material	Surface	No.	PU
Adhesive Cleaner 08984	-	-	227048	1 pc(s)



■ Technical information

- contains low-volatile solvents.
- does not affect hardened paint, with the exception of TPA paints and some plastics.
- for cleaning surfaces.
- adhesions, adhesive materials, grease, wax, oil and silicone are completely removed.

Tools

105 DI, 50 SK/50 A



Article	Material	Surface	No.	PU
Primer 94	-	-	227049	1 pc(s)

■ **Technical information**

- for the pre-treatment of surfaces.



Article	Material	Surface	No.	PU
Tool box empty	plastic material	black	085101	1 pc(s)