



2017

ACCESSORIES

CERTIFICATION

DATA

SHEETS



Dear partner,

at Alumil we are building excellence every day. Through our consistent research and development of products we are able to offer certified solutions to meet even the highest requirements of impressive projects around the world.

Alumil's range of Accessories includes products of unparalleled ergonomics and enhanced durability that offer great aesthetics. All solutions have been carefully chosen and developed as Alumil Systems' parts, providing our customers with an extensive range of architectural solutions.

We proudly present a complete guide of our Accessories range highlighting the superior certifications and technical features of Alumil hardware. Please contact your Alumil representative for further information or special requests that we would be pleased to advise upon and develop in order to meet your unique requirements.

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ALUMIL 7mm PIN HANDLES

FUNCTION

Aluminium pin handles with Alumil Patented design and logo for Euro groove, PVC groove and sliding systems

TECHNICAL FEATURES

- Standard 7mm pin
- Extra security Secustic® mechanism to prevent reverse (outside) rotation of the handle
- Stop position at 90°
- 4 versions available:
 - Standard
 - Full metal cover
 - Cranked (full metal cover)
 - Long handle
- Available also in pairs for in-out application
- Flush handle available for the outside
- Pin fixed on handle
- M5 holes on base

MATERIALS

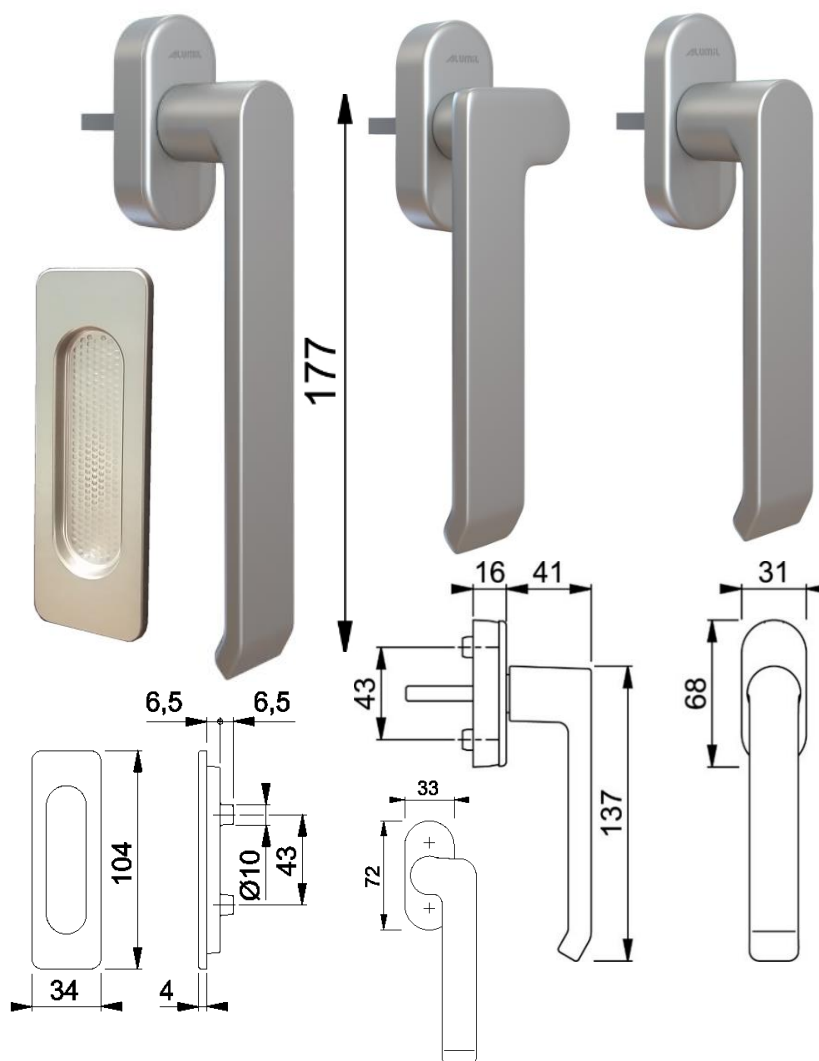
- Full aluminium main body
- Polyamide base
- Base cover plastic or metal
- Galvanized pin

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9712 mat
- Brown powder coating RAL 8707
- Silver / Titanium / Bronze anodization
- Mill finish / Special colors upon request

CERTIFICATION

- Corrosion resistance: Grade 5 - >480 hours [EN 1670 / EN 13126-3:2012-02]
- Durability:
 - 10.000 cycles - Grade 3/180 [EN 13126-3:2012-02]
 - 15.000 cycles - Independent test
- 10 Year operational Guarantee
- ISO 9001 / ISO 14001
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-3809072533 WINDOW HANDLE SECUSTIC ALUMIL PIN25mm LIGHT SILVER F1
 EX-3809072506 WINDOW HANDLE SECUSTIC ALUMIL PIN25mm BROWN
 EX-3809072502 WINDOW HANDLE SECUSTIC ALUMIL PIN25mm WHITE
 EX-3809072561 WINDOW HANDLE SECUSTIC ALUMIL PIN25mm BLACK MATT
 EX-3809072507 WINDOW HANDLE SECUSTIC ALUMIL PIN25mm BRONZE
 EX-3809072567 WINDOW HANDLE SECUSTIC ALUMIL PIN25mm TITANIUM F9
 EX-3809073833 WINDOW HANDLE SECUSTIC ALUMIL PIN38mm LIGHT SILVER F1
 EX-3809073806 WINDOW HANDLE SECUSTIC ALUMIL PIN38mm BROWN
 EX-3809073802 WINDOW HANDLE SECUSTIC ALUMIL PIN38mm WHITE
 EX-3809073861 WINDOW HANDLE SECUSTIC ALUMIL PIN38mm BLACK MATT
 EX-3809073807 WINDOW HANDLE SECUSTIC ALUMIL PIN38mm BRONZE
 EX-3809073867 WINDOW HANDLE SECUSTIC ALUMIL PIN38mm TITANIUM F9
 EX-3809173800 WINDOW HANDLE 177mm SECUCTIK ALUMIL PIN38mm MILL FINISH
 EX-3809173833 WINDOW HANDLE 177mm SECUCTIK ALUMIL PIN38mm LIGHT SILVER F1
 EX-3809173806 WINDOW HANDLE 177mm SECUCTIK ALUMIL PIN38mm BROWN
 EX-3809173802 WINDOW HANDLE 177mm SECUCTIK ALUMIL PIN38mm WHITE
 EX-3809173861 WINDOW HANDLE 177mm SECUCTIK ALUMIL PIN38mm BLACK MATT
 EX-3809173807 WINDOW HANDLE 177mm SECUCTIK ALUMIL PIN38mm BRONZE
 EX-3809173867 WINDOW HANDLE 177mm SECUCTIK ALUMIL PIN38mm TITANIUM F9
 EX-3800097600 WINDOW HANDLE PIN38mm ALUMIL FULL COVER MILL FINISH
 EX-3800097633 WINDOW HANDLE PIN38mm ALUMIL FULL COVER LIGHT SILVER F1
 EX-3800097606 WINDOW HANDLE PIN38mm ALUMIL FULL COVER BROWN
 EX-3800097602 WINDOW HANDLE PIN38mm ALUMIL FULL COVER WHITE
 EX-3800097661 WINDOW HANDLE PIN38mm ALUMIL FULL COVER BLACK MATT
 EX-3800097607 WINDOW HANDLE PIN38mm ALUMIL FULL COVER BRONZE
 EX-3800097667 WINDOW HANDLE PIN38mm ALUMIL FULL COVER TITANIUM F9

EX-3809373833 DOUBLE PSK HANDLE ALUMIL PIN60mm LIGHT SILVER F1
 EX-3809373806 DOUBLE PSK HANDLE ALUMIL PIN60mm BROWN
 EX-3809373802 DOUBLE PSK HANDLE ALUMIL PIN60mm WHITE
 EX-3809373861 DOUBLE PSK HANDLE ALUMIL PIN60mm BLACK MATT
 EX-3809373807 DOUBLE PSK HANDLE ALUMIL PIN60mm BRONZE
 EX-3809373867 DOUBLE PSK HANDLE ALUMIL PIN60mm TITANIUM F9
 EX-3809273833 DOUBLE HANDLE SET ALUMIL SECUSTIC PIN60mm LIGHT SILVER F1
 EX-3809273806 DOUBLE HANDLE SET ALUMIL SECUSTIC PIN60mm BROWN
 EX-3809273802 DOUBLE HANDLE SET ALUMIL SECUSTIC PIN60mm WHITE
 EX-3809273861 DOUBLE HANDLE SET ALUMIL SECUSTIC PIN60mm BLACK MATT
 EX-3809273807 DOUBLE HANDLE SET ALUMIL SECUSTIC PIN60mm BRONZE
 EX-3809273867 DOUBLE HANDLE SET ALUMIL SECUSTIC PIN60mm TITANIUM F9
 EX-3805420300 FLUSH HANDLE FOR SLIDING WINDOW WITH PSK MILL FINISH
 EX-3805420333 FLUSH HANDLE FOR SLIDING WINDOW WITH PSK LIGHT SILVER F1
 EX-3805420306 FLUSH HANDLE FOR SLIDING WINDOW WITH PSK BROWN
 EX-3805420302 FLUSH HANDLE FOR SLIDING WINDOW WITH PSK WHITE
 EX-3805420361 FLUSH HANDLE FOR SLIDING WINDOW WITH PSK BLACK MAT
 EX-3805420307 FLUSH HANDLE FOR SLIDING WINDOW WITH PSK BRONZE
 EX-3805420367 FLUSH HANDLE FOR SLIDING WINDOW WITH PSK TITANIUM F9
 EX-3809573833 CRANKED HANDLE FACADE/SLIDING ALUMIL LEFT LIGHT SILVER F1
 EX-3809573802 CRANKED HANDLE FACADE/SLIDING ALUMIL LEFT WHITE
 EX-3809573861 CRANKED HANDLE FACADE/SLIDING ALUMIL LEFT BLACK MATT
 EX-3809573867 CRANKED HANDLE FACADE/SLIDING ALUMIL LEFT TITANIUM F9
 EX-3809673833 CRANKED HANDLE FACADE/SLIDING ALUMIL RIGHT LIGHT SILVER F1
 EX-3809673802 CRANKED HANDLE FACADE/SLIDING ALUMIL RIGHT WHITE
 EX-3809673861 CRANKED HANDLE FACADE/SLIDING ALUMIL RIGHT BLACK MATT
 EX-3809673867 CRANKED HANDLE FACADE/SLIDING ALUMIL RIGHT TITANIUM F9

7mm PIN LOCKABLE HANDLES

FUNCTION

Lockable pin handles for opening, tilt/turn and sliding systems for enhanced security

TECHNICAL FEATURES

- 7mm pin and 33mm length
- Push in lockable function to block the handle movement
- Applicable to common use areas to control window use
- Works with the Alumil tilt and turn mechanisms and multiple locking point sliding locks



MATERIALS

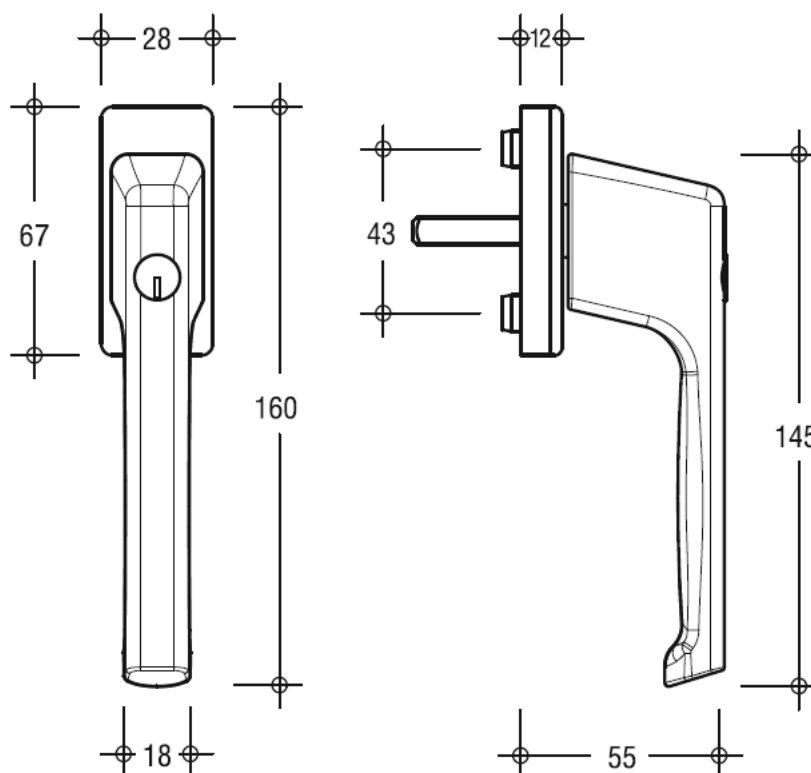
- Aluminium main body
- Polyamide base
- Polyamide cover
- Galvanized pin

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9005 mat
- Silver anodized EV1

CERTIFICATION

- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-4160753302	HANDLE WITH KEY SPINDLE 33mm WHITE
EX-4160753303	HANDLE WITH KEY SPINDLE 33mm BLACK
EX-4160753311	HANDLE WITH KEY SPINDLE 33mm SILVER EV1

ALUMIL 8mm PIN DOOR HANDLES

FUNCTION

Aluminium door handles with Alumil Patented design and logo

TECHNICAL FEATURES

- 5 versions available
 - Paired handle with cylinder rosette (oval)
 - Paired handle with interior door rosette (round)
 - Paired or single handle with full body rosette
 - Paired handle with full body rosette and fixed outside knob
 - Single cranked handle
- Handles without full body rosette come with separate spring and have Quick-Fit® pin system
- Handles with full body rosette have pins attached on body
- Cranked handle allows easy operation with increased handling space for outside opening doors
- For in-out handle installation approximate sash width should not be more than 75mm
- Cranked handle comes without pin, therefore any 8mm spindle can be installed in any length

MATERIALS

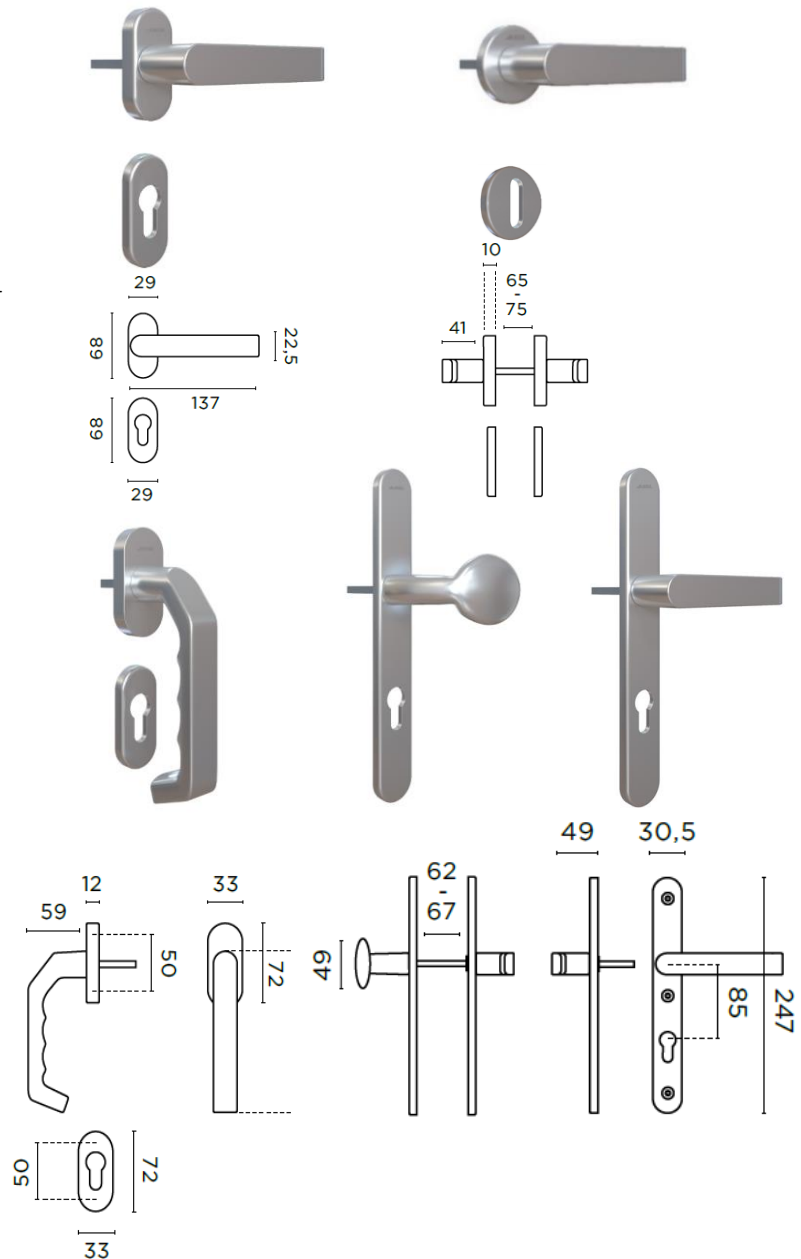
- Full aluminium main body
- Polyamide base
- Aluminium base cover
- Galvanized pin

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9712 mat
- Brown powder coating RAL 8707
- Silver / Titanium / Bronze anodized
- Mill finish / Special colors upon request

CERTIFICATION

- Durability:
 - Handle set with full plate:
 - 100.000 cycles - Grade 6 [EN 1906:2012]
 - 182.500 cycles - Independent test for residential use
 - Handle set with separate rosette:
 - 200.000 cycles - Grade 7 [EN 1906:2012]
 - 255.500 cycles - Test for non-residential use
- Corrosion resistance: >240 hours, Grade 4 [EN 1906:2012]
- 10 Year operational Guarantee
- ISO 9001 / ISO 14001
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-3809788033	DOOR HANDLE SET WITH PLATE ALUMIL 85mm LIGHT SILVER F1	EX-3801810500	SPINDLE FOR CRANKED HANDLE 8x105mm
EX-3809788006	DOOR HANDLE SET WITH PLATE ALUMIL 85mm BROWN	EX-3801812500	SPINDLE FOR CRANKED HANDLE 8x125mm
EX-3809788002	DOOR HANDLE SET WITH PLATE ALUMIL 85mm WHITE	EX-3801813500	SPINDLE FOR CRANKED HANDLE 8x135mm
EX-3809788061	DOOR HANDLE SET WITH PLATE ALUMIL 85mm BLACK MATT	EX-3801814500	SPINDLE FOR CRANKED HANDLE 8x145mm
EX-3809788007	DOOR HANDLE SET WITH PLATE ALUMIL 85mm BRONZE	EX-3801815500	SPINDLE FOR CRANKED HANDLE 8x155mm
EX-3809788067	DOOR HANDLE SET WITH PLATE ALUMIL 85mm TITANIUM F9	EX-3801808500	SPINDLE FOR CRANKED HANDLE 8x85mm
EX-3809761033	DOOR HANDLE SET WITH NARROW ROSETTE ALUMIL LIGHT SILVER F1	EX-3804682700	SPINDLE FOR CRANKED HANDLE 8x170mm
EX-3809761006	DOOR HANDLE SET WITH NARROW ROSETTE ALUMIL BROWN	EX-3804683500	SPINDLE FOR CRANKED HANDLE 8x190mm
EX-3809761002	DOOR HANDLE SET WITH NARROW ROSETTE ALUMIL WHITE	EX-3801853100	SINGLE HANDLE SPINDLE 8x65mm
EX-3809761061	DOOR HANDLE SET WITH NARROW ROSETTE ALUMIL BLACK MATT	EX-3801855500	SINGLE HANDLE SPINDLE 8x75mm
EX-3809761007	DOOR HANDLE SET WITH NARROW ROSETTE ALUMIL F4 BRONZE	EX-3807196700	SINGLE HANDLE SPINDLE 8x85mm
EX-3809761067	DOOR HANDLE SET WITH NARROW ROSETTE ALUMIL TITANIUM F9	EX-3802232133	CYLINDER ESCUTCHEON 29x68mm LIGHT SILVER F1
EX-3809788133	SINGLE DOOR HANDLE WITH PLATE ALUMIL 85mm LIGHT SILVER F1	EX-3802232106	CYLINDER ESCUTCHEON 29x68mm BROWN
EX-3809788106	SINGLE DOOR HANDLE WITH PLATE ALUMIL 85mm BROWN	EX-3802232102	CYLINDER ESCUTCHEON 29x68mm WHITE
EX-3809788102	SINGLE DOOR HANDLE WITH PLATE ALUMIL 85mm WHITE	EX-3802232107	CYLINDER ESCUTCHEON 29x68mm BRONZE
EX-3809788161	SINGLE DOOR HANDLE WITH PLATE ALUMIL 85mm BLACK MATT	EX-3802232167	CYLINDER ESCUTCHEON 29x68mm TITANIUM
EX-3809788107	SINGLE DOOR HANDLE WITH PLATE ALUMIL 85mm BRONZE	EX-3802232161	CYLINDER ESCUTCHEON 29x68mm BLACK MATT
EX-3809788167	SINGLE DOOR HANDLE WITH PLATE ALUMIL 85mm TITANIUM F9	EX-3809771133	ESCUTCHEON FOR CRANKED HANDLE LIGHT SILVER F1
	EX-3809868133		
	EX-3809788233	HANDLE SET INTERIOR DOOR ALUMIL LIGHT SILVER F1	
	EX-3809771033	DOOR HANDLE SET FIXED OUTSIDE ALUMIL LIGHT SILVER F1	
		CRANKED DOOR HANDLE SINGLE LIGHT SILVER F1	

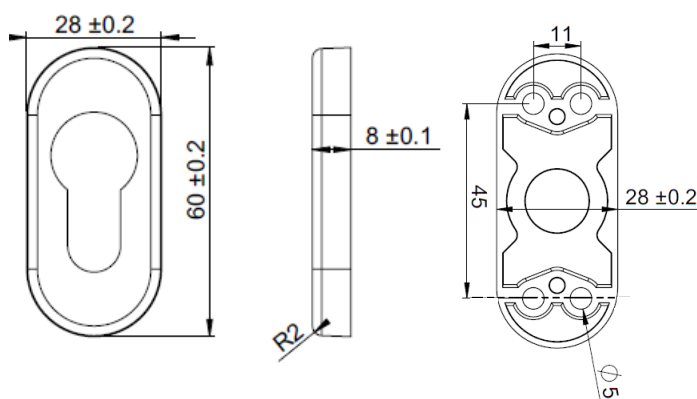
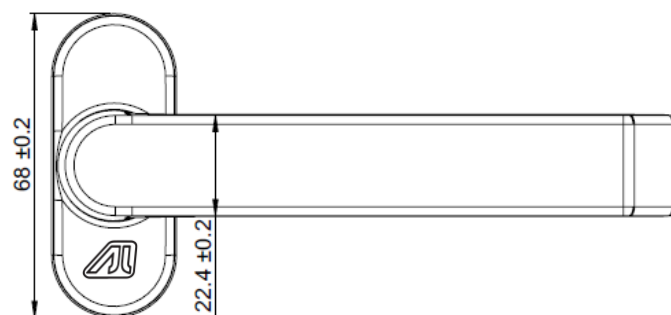
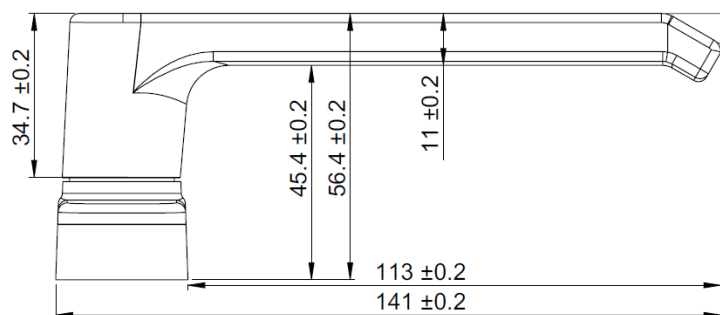
ALUMIL 8mm PIN STANDARD DOOR HANDLE

FUNCTION

Standard door handle with Alumil Patented design and logo as an elegant and cost effective solution

TECHNICAL FEATURES

- Engraved Alumil logo
- Set includes 2 handles, pin, 2 rosettes with fixing bases and fixing screws
- Spring action handles with screws behind the rotating base plate
- Standard 8mm pin with 114mm length which can be installed on profiles up to 80mm



MATERIALS

- Full zamak handle, base, and rosette
- Polyamide rosette base
- Galvanized screws and handle pin

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9005 mat
- Silver powder coating RAL 9006
- Mill finish / Special colors upon request

CERTIFICATION

- Certified according to EN 1906:2012
- Durability: Grade 6 - 100.000 cycles
- Corrosion resistance: Grade 1 - >24-hours
- Alumil 5 Year Guarantee

CODES & DESCRIPTIONS

EX-3800500002	DOOR HANDLE PAIR WITH ROSETTE ALUMIL WHITE
EX-3800500003	DOOR HANDLE PAIR WITH ROSETTE ALUMIL BLACK
EX-3800500009	DOOR HANDLE PAIR WITH ROSETTE ALUMIL SILVER

ALUMIL 10mm PIN LIFT/SLIDE HANDLES

FUNCTION

Aluminium handles for lift/slide systems with Alumil Patented design and logo

TECHNICAL FEATURES

- Lift/slide pin handles with Alumil Patented design and logo
- 180° rotation on the handle
- Full metal cover
- Available also in pairs for in-out application
- Flush handle available for the outside in 7 or 11mm depth
- Removable pin, handle and cover

MATERIALS

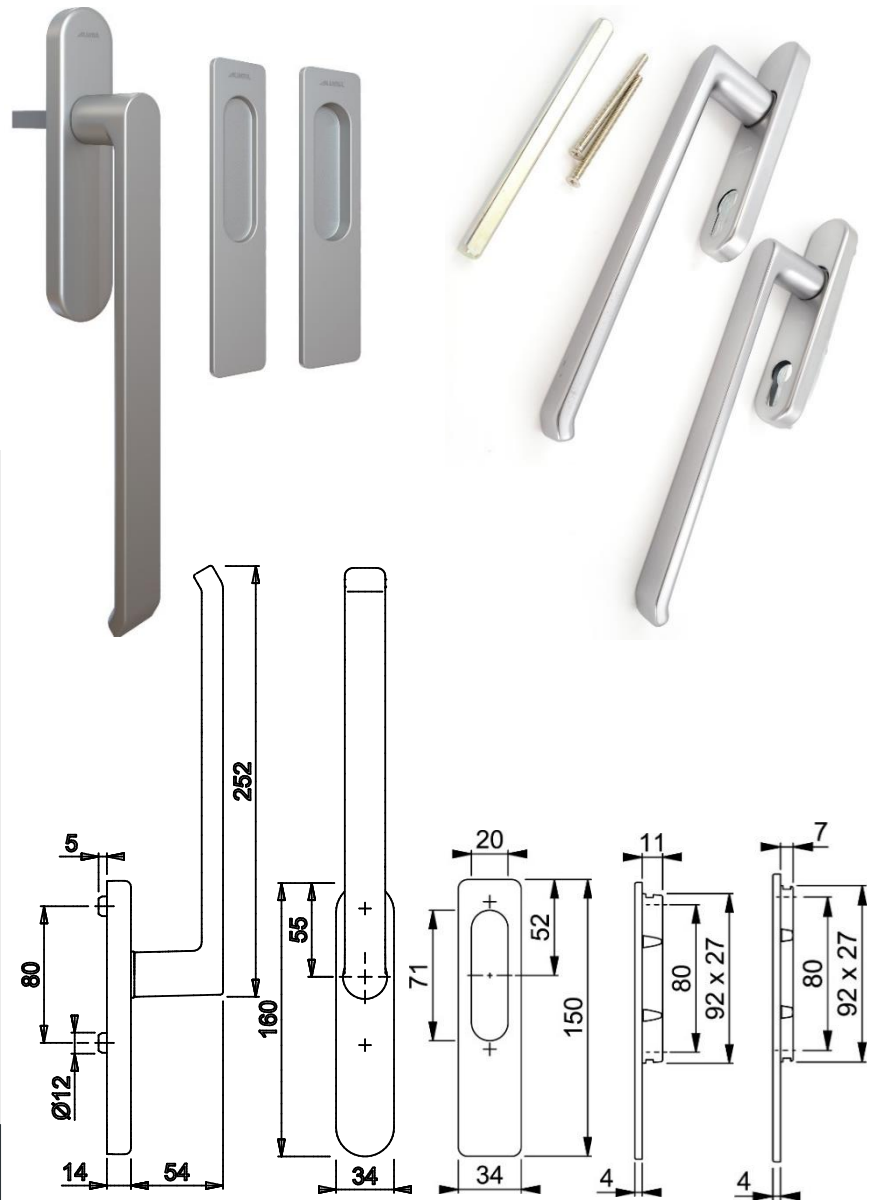
- Full aluminium main body
- Zamak base
- Aluminium base cover
- Galvanized pin

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9712 mat
- Brown powder coating RAL 8707
- Silver / Titanium / Bronze anodized
- Mill finish / Special colors upon request

CERTIFICATION

- Corrosion resistance: Grade 5 - >480 hours according to EN 1670 / EN 13126-3:2012-02
- Durability: 20.000 cycles according to EN 13126-16
- 10 Year operational Guarantee
- ISO 9001 / ISO 14001
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-3801814700	L&S HANDLE 252mm ALUMIL PIN50mm MILL FINISH	EX-3805420100	FLUSH HANDLE FOR L&S WINDOW 7mm DEPTH MILL FINISH
EX-3801814702	L&S HANDLE 252mm ALUMIL PIN50mm WHITE	EX-3805420102	FLUSH HANDLE FOR L&S WINDOW 7mm DEPTH WHITE
EX-3801814706	L&S HANDLE 252mm ALUMIL PIN50mm BROWN	EX-3805420106	FLUSH HANDLE FOR L&S WINDOW 7mm DEPTH BROWN
EX-3801814707	L&S HANDLE 252mm ALUMIL PIN50mm BRONZE	EX-3805420107	FLUSH HANDLE FOR L&S WINDOW 7mm DEPTH BRONZE
EX-3801814733	L&S HANDLE 252mm ALUMIL PIN50mm LIGHT SILVER F1	EX-3805420133	FLUSH HANDLE FOR L&S WINDOW 7mm DEPTH SILVER F1
EX-3801814761	L&S HANDLE 252mm ALUMIL PIN50mm BLACK MATT	EX-3805420161	FLUSH HANDLE FOR L&S WINDOW 7mm DEPTH BLACK MATT
EX-3801814767	L&S HANDLE 252mm ALUMIL PIN50mm TITANIUM F9	EX-3805420167	FLUSH HANDLE FOR L&S WINDOW 7mm DEPTH TITANIUM F9
EX-3802814700	DOUBLE L&S HANDLE 252mm ALUMIL CYL HOLE MILL FINISH	EX-3805420200	FLUSH HANDLE FOR L&S WINDOW 11mm DEPTH MILL FINISH
EX-3802814702	DOUBLE L&S HANDLE 252mm ALUMIL CYL HOLE WHITE	EX-3805420202	FLUSH HANDLE FOR L&S WINDOW 11mm DEPTH WHITE
EX-3802814706	DOUBLE L&S HANDLE 252mm ALUMIL CYL HOLE BROWN	EX-3805420206	FLUSH HANDLE FOR L&S WINDOW 11mm DEPTH BROWN
EX-3802814707	DOUBLE L&S HANDLE 252mm ALUMIL CYL HOLE BRONZE	EX-3805420207	FLUSH HANDLE FOR L&S WINDOW 11mm DEPTH BRONZE
EX-3802814733	DOUBLE L&S HANDLE 252mm ALUMIL CYL HOLE SILVER F1	EX-3805420233	FLUSH HANDLE FOR L&S WINDOW 11mm DEPTH SILVER F1
EX-3802814761	DOUBLE L&S HANDLE 252mm ALUMIL CYL HOLE BLACK MATT	EX-3805420261	FLUSH HANDLE FOR L&S WINDOW 11mm DEPTH BLACK MATT
EX-3802814767	DOUBLE L&S HANDLE 252mm ALUMIL CYL HOLE TITANIUM F9	EX-3805420267	FLUSH HANDLE FOR L&S WINDOW 11mm DEPTH TITANIUM F9

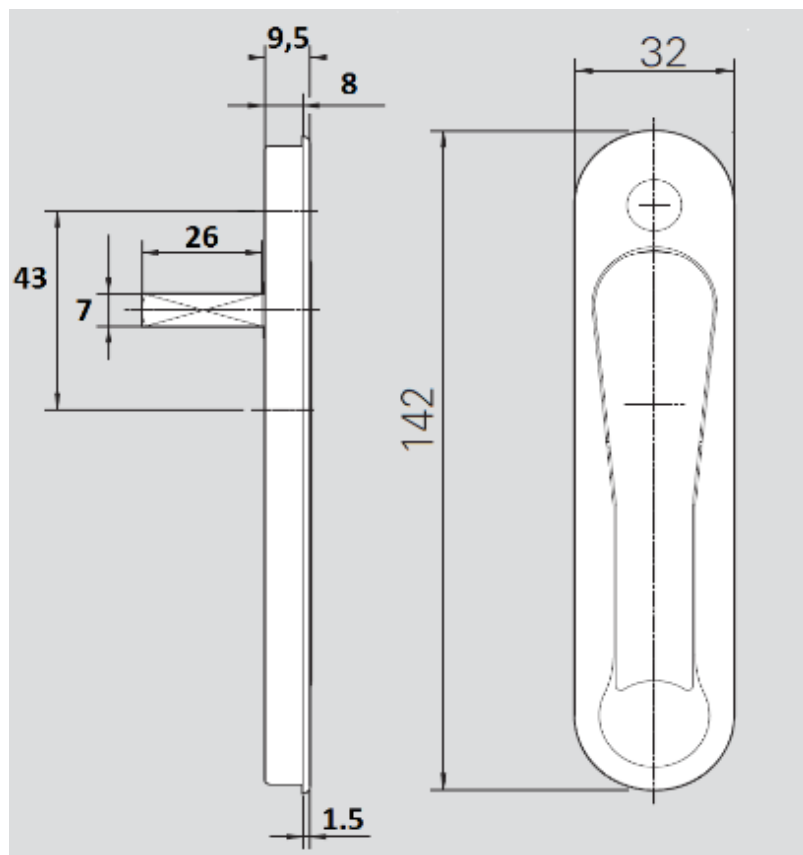
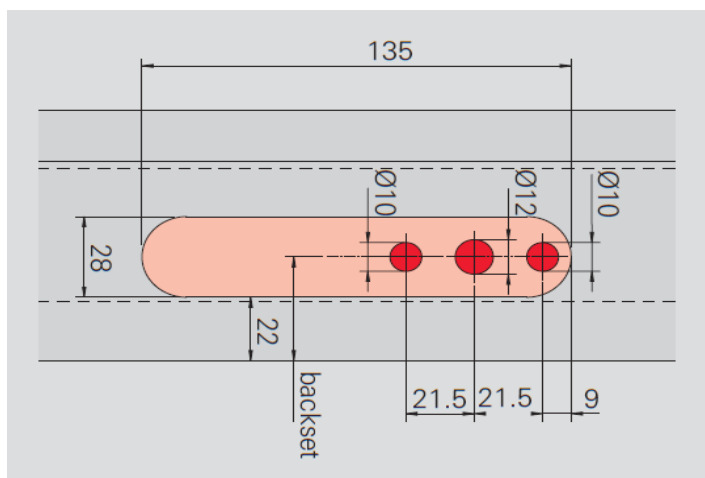
7mm PIN POP-UP HANDLES

FUNCTION

Pop up handles with 7mm pin for sliding windows and shutters

TECHNICAL FEATURES

- Standard fit for Alumil multi point sliding locks
- Fitting allows full opening of parallel sliding sashes
- Minimum depth for installation on all Alumil systems
- Important notice: Lever is for lock operation ONLY. The flush part of the handle should be used for sliding
- Black screw caps for black and silver handles
- White screw caps for white handles



MATERIALS

- Aluminium main body
- Aluminium handle
- Galvanized pin

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9005
- Silver powder coating

CERTIFICATION

- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-6105708102	POP-UP HANDLE SPINDLE 26mm WHITE
EX-4556142903	POP-UP HANDLE SPINDLE 26mm BLACK
EX-6106379609	POP-UP HANDLE SPINDLE 26mm SILVER

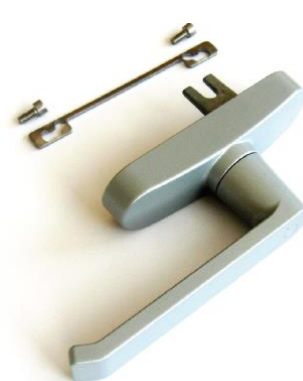
ALUMIL CREMONES

FUNCTION

Cremones for casement and tilt/turn windows with Alumil
Patented design and logo

TECHNICAL FEATURES

- Two fork version for casement windows
- One fork version for tilt/turn windows using the Alumil t/t euro groove mechanism
- Applicable to all Alumil 15/20 euro groove hinged systems



MATERIALS

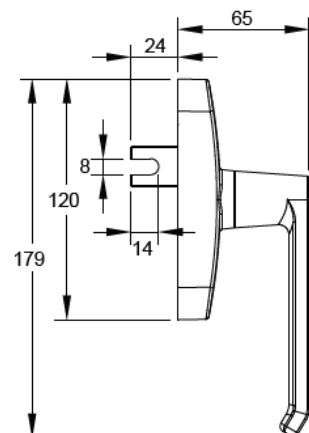
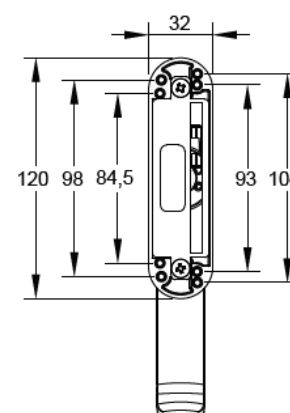
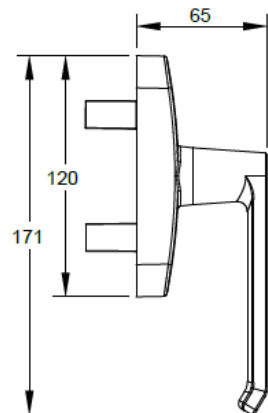
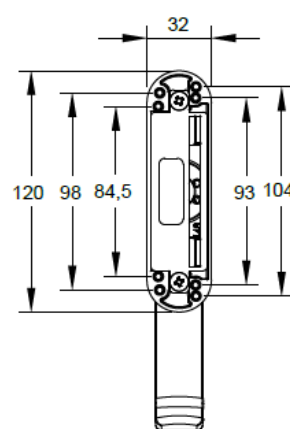
- Main body, lever, internal mechanism and forks made of die casted zamak (EN 1774)
- Inox counter plate
- Inox TCEI 5MAx10mm allen screws

SURFACE COATING

- White powder coating RAL 9010
- Black matte powder coating RAL 9005 mat
- Silver powder coating (anodic ice)

CERTIFICATION

- Durability: Grade 5 - 25.000 test cycles [EN 13126-3:2011]
- Corrosion resistance: Grade 4 – very high - 240h [EN 1670]
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-3802447002 ALUMIL CASEMENT CREMONE WHITE
EX-3802447003 ALUMIL CASEMENT CREMONE BLACK
EX-3802447009 ALUMIL CASEMENT CREMONE SILVER

EX-3802481002 ALUMIL EURO GROOVE T/T MECHANISM CREMONE WHITE
EX-3802481003 ALUMIL EURO GROOVE T/T MECHANISM CREMONE BLACK
EX-3802481009 ALUMIL EURO GROOVE T/T MECHANISM CREMONE SILVER

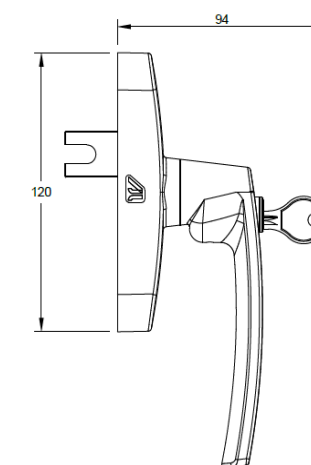
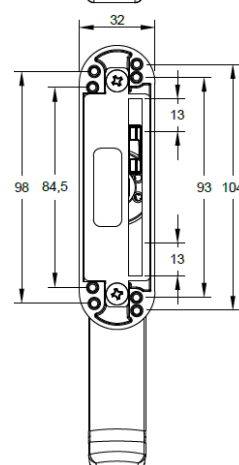
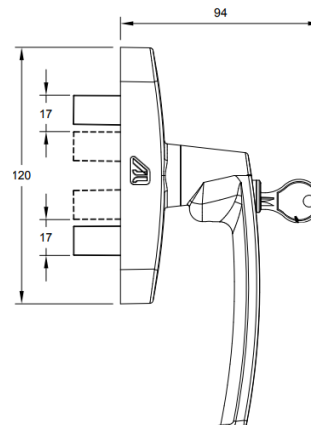
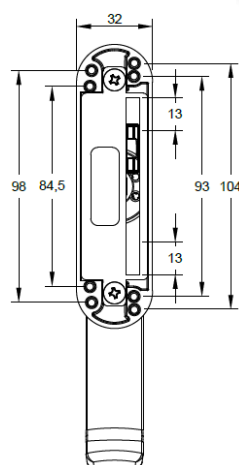
ALUMIL LOCKABLE CREMONES

FUNCTION

Cremones with key for casement and tilt/turn windows with Alumil logo

TECHNICAL FEATURES

- Two fork version for casement windows
- One fork version for tilt/turn windows using the Alumil t/t euro groove mechanism
- Applicable to all Alumil 15/20 euro groove hinged systems



MATERIALS

- Main body, lever, internal mechanism and forks made of die casted zamak (EN 1774)
- Inox counter plate
- Inox TCEI 5MAx10mm allen screws

SURFACE COATING

- White powder coating RAL 9010
- Black matte powder coating RAL 9005 mat
- Silver powder coating (anodic ice)

CERTIFICATION

- Durability: Grade 5 - 25.000 test cycles [EN 13126-3:2011]
- Corrosion resistance: Grade 4 - Very high - 240h [EN 1670]
- Alumil 5 Year Guarantee

CODES & DESCRIPTIONS

EX-3802431002 ALUMIL CASEMENT CREMONE WITH KEY WHITE
EX-3802431003 ALUMIL CASEMENT CREMONE WITH KEY BLACK
EX-3802431009 ALUMIL CASEMENT CREMONE WITH KEY SILVER

EX-3802504002 ALUMIL EURO GROOVE T/T MECHANISM CREMONE WITH KEY WHITE
EX-3802504003 ALUMIL EURO GROOVE T/T MECHANISM CREMONE WITH KEY BLACK
EX-3802504009 ALUMIL EURO GROOVE T/T MECHANISM CREMONE WITH KEY SILVER

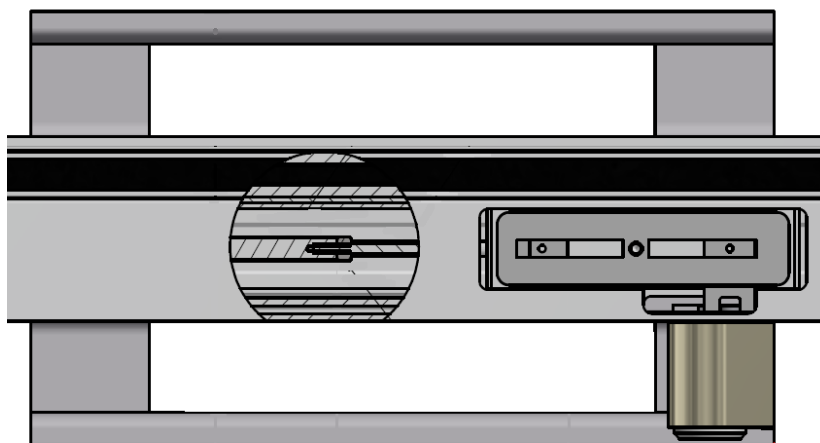
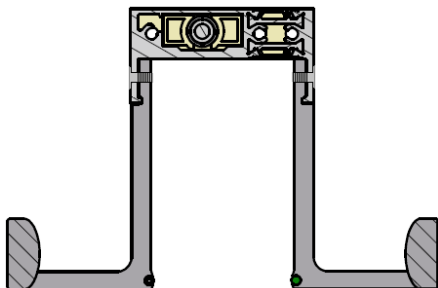
ALUMIL S650 HANDLES WITH LOCKING KIT

FUNCTION

Complete locking kit with handles for Alumil SUPREME S650 PHOS

TECHNICAL FEATURES

- Adjustable and extendable locking rods with screw-in stainless tips
- Smooth operation due to anodized internal components
- Lockable with key on handle lever
- Kit includes all required screws
- Easy to install after window transportation on site
- Easy to remove for maintenance
- Standard kit covers heights up to 3m sash
- Extra rod for higher sashes
- Strikers are separate codes
- Branded with Alumil unique design



MATERIALS

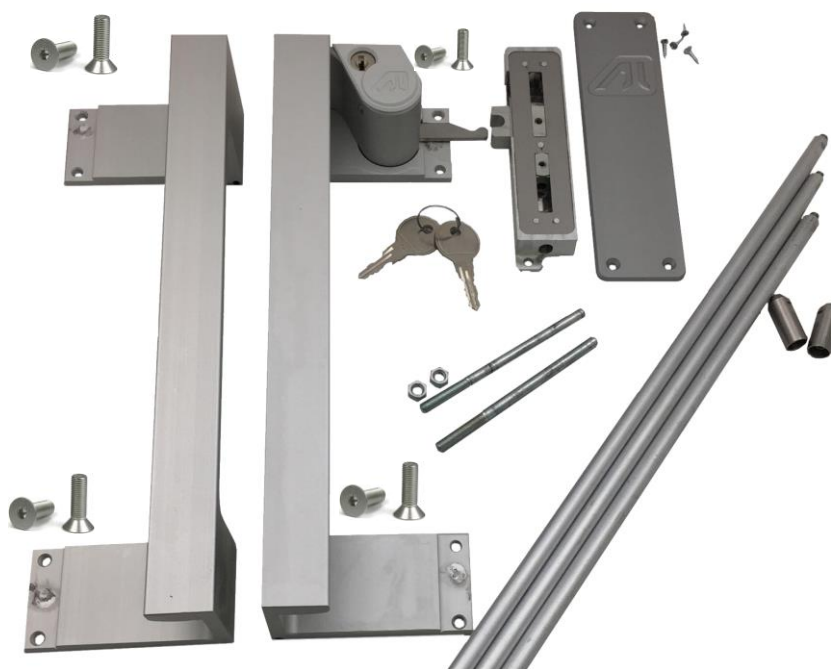
- Extruded aluminum handles and covers
- Polyamide bushings
- Stainless steel screws and other accessories
- Galvanized rod adjusters
- Aluminum locking rods

SURFACE COATING

- Natural anodized silver
- Black anodized

CERTIFICATION

- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

INT-6106510133	PAIR OF HANDLES WITH LOCKING KIT 3m RIGHT (SLIDING LEFT) FOR S650 NATURAL ANODISED
INT-6106510145	PAIR OF HANDLES WITH LOCKING KIT 3m RIGHT (SLIDING LEFT) FOR S650 BLACK ANODISED
INT-6106510233	PAIR OF HANDLES WITH LOCKING KIT 3m LEFT (SLIDING RIGHT) FOR S650 NATURAL ANODISED
INT-6106510245	PAIR OF HANDLES WITH LOCKING KIT 3m LEFT (SLIDING RIGHT) FOR S650 BLACK ANODISED
INT-6406500000	SET OF STRIKING PLATES FOR S650
INT-6406500200	PLASTIC PART OF STRIKING PLATE FOR CORNER TYPOLOGY S650
INT-6406500300	STAINLESS STEEL 3mm PART FOR STRIKING PLATE S650
INT-6406569403	SET OF STRIKING PLATE UPPER AND LOWER WITH METAL PLATE FOR MEETING STILE TYPOLOGY S650
EX-6106510000	SEPARATE ROD 1m FOR S650 HANDLES WITH LOCKING KIT

FIXED DOOR HANDLES

FUNCTION

Stainless steel fixed handles for entrance doors

TECHNICAL FEATURES

- Available in two different diameters, $\Phi 30$ and $\Phi 35$, and four different lengths from 800 to 2000mm
- Flexibility on placing the base in any position along the bar
- Installed either in pairs or single
- Thickness of bar ensures sturdy construction even in 2m lengths

Door handle pair with 4 folds



Door handle pair straight



MATERIALS

- AISI 316 stainless steel bar (straight handle)
- Extruded aluminium base (straight handle)
- Extruded aluminium main body (4-fold handle)
- Galvanized Zamak circular fixings (4-fold handle)
- Plastic PA6 spacers (4-fold handle)
- Galvanized steel 8mm pins (4-fold handle)

SURFACE COATING

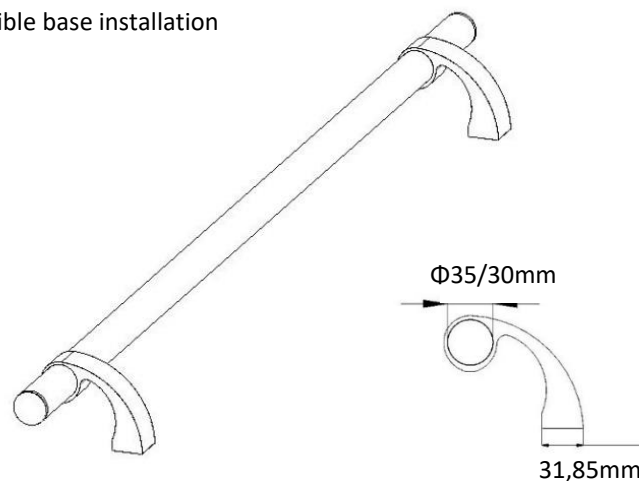
- Satin finish stainless steel bar (straight handle)
- Silver anodized base (straight handle)
- White powder coating (4-fold) main body RAL 9003 gloss
- Black powder coating (4-fold) main body RAL 9005 mat

CERTIFICATION

- Alumil 5 Year Guarantee



Flexible base installation



CODES & DESCRIPTIONS

EX-4554608038	DOOR HANDLE PAIR STRAIGHT (ADJ ARMS) INOX316L SAT $\Phi 30$ 800MM
EX-4554612038	DOOR HANDLE PAIR STRAIGHT (ADJ ARMS) INOX316L SAT $\Phi 30$ 1200MM
EX-4554616038	DOOR HANDLE PAIR STRAIGHT (ADJ ARMS) INOX316L SAT $\Phi 30$ 1600MM
EX-4555612038	DOOR HANDLE PAIR STRAIGHT (ADJ ARMS) INOX316L SAT $\Phi 35$ 1200MM
EX-4555616038	DOOR HANDLE PAIR STRAIGHT (ADJ ARMS) INOX316L SAT $\Phi 35$ 1600MM
EX-4555620038	DOOR HANDLE PAIR STRAIGHT (ADJ ARMS) INOX316L SAT $\Phi 35$ 2000MM
EX-4553604002	DOOR HANDLE PAIR WITH 4 FOLDS WHITE
EX-4553604003	DOOR HANDLE PAIR WITH 4 FOLDS BLACK

ALUMIL EURO GROOVE T/T MECHANISM

FUNCTION

Alumil branded Euro-groove hardware system for all Alumil 15/20 sash euro groove profile systems

TECHNICAL FEATURES

- Tilt/turn hardware system available in two versions: compatible with both the Alumil cremone and the Alumil 7mm spindle handle
- Mishandling device for both handle versions
- All hardware components are suitable for left and right handed windows
- Convenient 3D hardware adjustment
- General gasket pressure adjustment on all eccentric locking cams using a 4mm Allen key to achieve optimized pressure and tightness of the sash
- All hinge parts completely clampable, enabling efficient installation with no drilling necessary
- The connecting-rod Ø6mm coupling-system simplifies hardware installation
- The connecting-rod geometry is perfectly adapted to the 15/20 sash groove
- Identical hardware aesthetics of top stay hinge and bottom pivot rest - all flush with the sash overlap
- Also available in Tilt-First version
- Four different hardware locking options for the passive sash
- Sash width from 355 to 1700mm
- Sash height from 500 to 2800mm
- For sash widths exceeding 1400mm an additional stay arm is required
- Hardware load-bearing capacity tested up to 130kg sash weight
- Alumil branded

MATERIALS

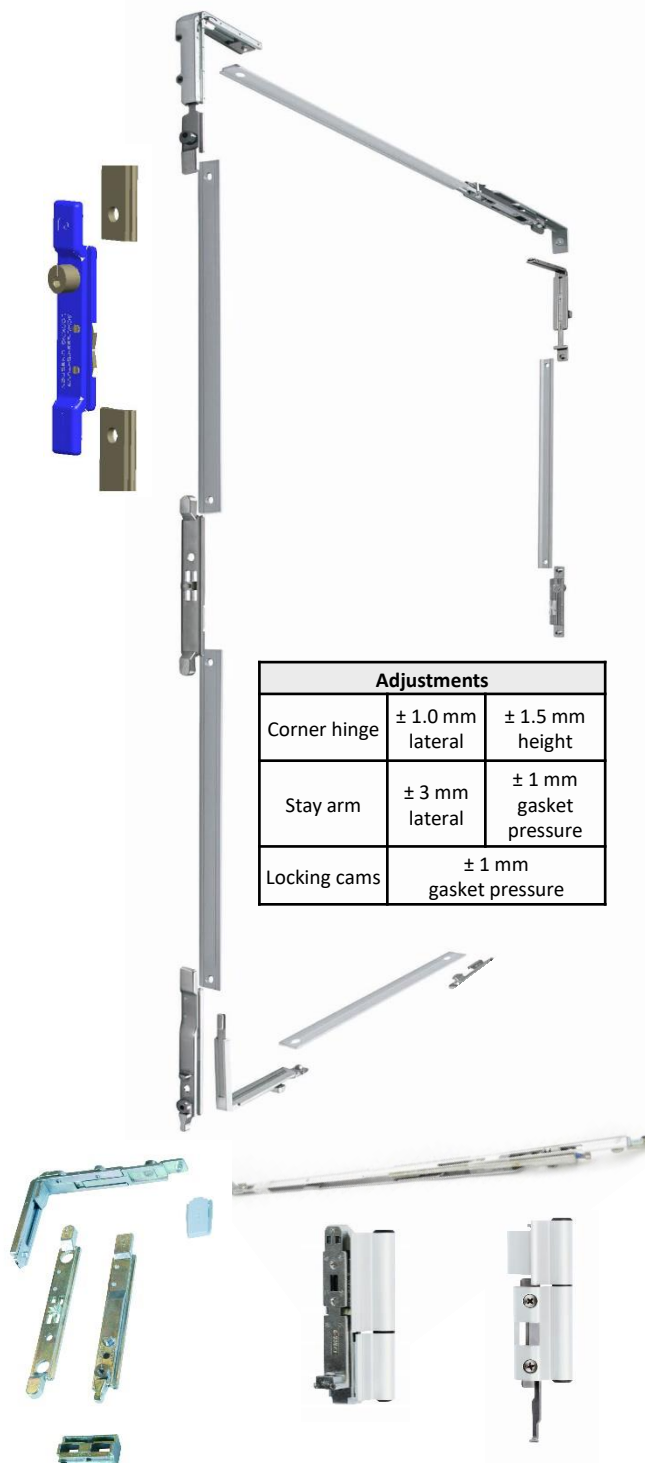
- Hardware components from high-quality steel, Zamac die-casting and aluminium alloys
- Aluminium components are anodized or powder-coated
- The steel components consist of stainless alloys

SURFACE COATING

- White powder coated hinges RAL 9016
- Black powder coated hinges RAL 9005
- Anodised silver hinges in F1/EV1 surface-finish
- Mill finish (non-treated) hinges for project-related coating
- Zamac die-casting components are subjected to bichromating surface treatment and an additional silver-coloured coating

CERTIFICATION

- Alumil extended 10 Year Guarantee (standard 5 years)
- Tilt/turn hardware durability testing: Grade 4 - 15,000 test cycles in accordance with EN 13126-8:2006 (equivalent to 60,000 individual turn, tilt and lock operations)
- Corrosion resistance:
 - Hardware set: Grade 4 - >240h salt-spray test [EN 13126-8:2006]
 - Individual zinc die-cast component with bichromating treatment: Grade 5 - >1,000h salt-spray test [EN 1670, EN 9227 based on EN 13126-1:2011]
- In accordance with REACH regulation (1907/2006/EG) regarding SVHC substances
- Tested in accordance with the requirements of the RAL-GZ 607/3:2009 Regulation by the German RAL institute
- DIN EN ISO 9001:2008



CODES & DESCRIPTIONS

Part numbers, descriptions and application ranges are depicted in the corresponding hardware catalogue and installation drawings.

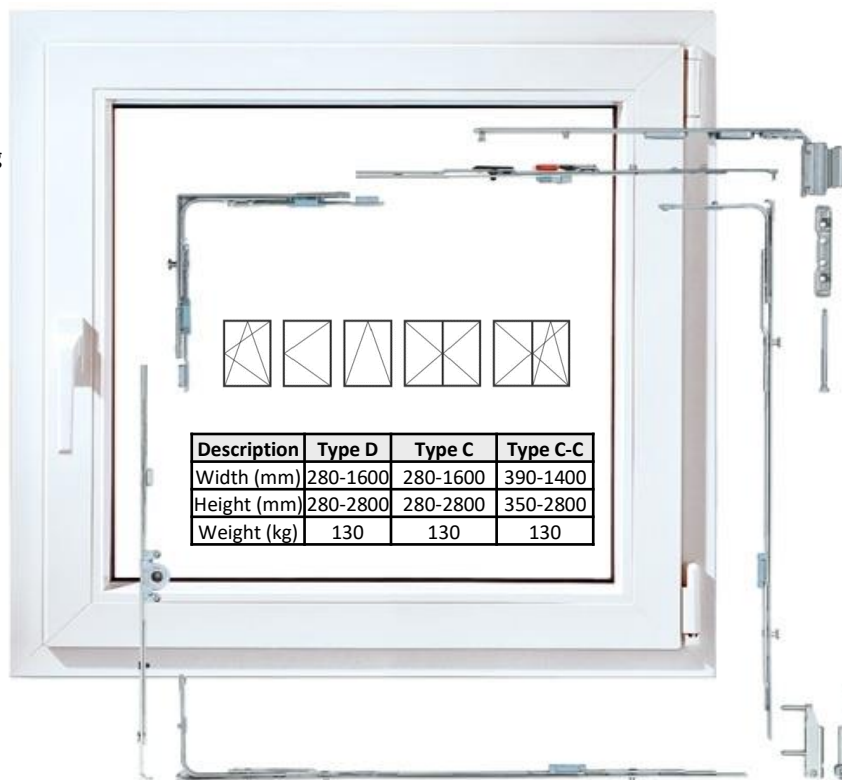
PVC GROOVE T/T MECHANISM

FUNCTION

PVC groove hardware system for all Alumil 16mm sash groove profile systems

TECHNICAL FEATURES

- Tilt/turn hardware system available in three versions according to hinge type:
 - Drilled (D type) - Surface mounted hardware with sash opening angle up to 180°
 - Clamped (C type) - Hardware components clamped to the frame without the need of drilling the profile
 - Concealed - Clamped (C-C type) - invisible hardware components clamped to the frame with sash opening angle up to 100°
- Available in two versions according to locking cam type, both with gasket pressure (± 1 mm) eccentric adjustment:
 - Security mushroom cam
 - Roller Cam
- Compatible with Alumil 7mm pin handle
- All hardware components are suitable for left and right handed windows
- Convenient 3D hardware adjustment
- 2 different hardware locking options for the passive sash
- WOSD on the handle side gear
- 7.5 and 15mm backset of gear
- Gears available both for standard and variable handle height
- Fast and easy fabrication for mass production
- Very high security levels (up to RC3) depending on the system



Description	Type D	Type C	Type C-C
Width (mm)	280-1600	280-1600	390-1400
Height (mm)	280-2800	280-2800	350-2800
Weight (kg)	130	130	130

MATERIALS

- Hardware components from high-quality steel, Zamac die-casting and aluminium alloys
- Aluminium components are anodized or powder-coated
- The steel components consist of stainless alloys

SURFACE COATING

- White / Black powder coated / Silver anodized finish for C type
- Cover caps available in a large selection of colors for D type
- Zamak die-casting components are subjected to bichromating surface treatment and an additional silver-coloured coating

CERTIFICATION

- Alumil extended 10 Year Guarantee (standard 5 years)
- Tilt/turn hardware durability testing: Grade 4 – 15,000 test cycles in accordance with EN 13126-8:2006 (equivalent to 60,000 individual turn, tilt and lock operations) on a 130kg sash for D version
- Corrosion resistance:
 - Hardware set: Grade 4 - >240h salt-spray test [EN 13126-8:2006]
 - Individual zinc die-cast component with bichromating treatment: Grade 5 - >1,000h salt-spray test [EN 1670, EN 9227 based on EN 13126-1:2011]
- Tested in accordance with the requirements of the RAL-GZ 607/3:2009 Regulation by the German RAL institute
- In accordance with REACH regulation (1907/2006/EG) regarding SVHC substances
- DIN EN ISO 9001:2008

Types according to hinges



D type



C type



C-C type

Types according to locking cams



Security mushroom cam



Roller cam

CODES & DESCRIPTIONS

Part numbers, descriptions and application ranges are depicted in the corresponding hardware catalogue and installation drawings.

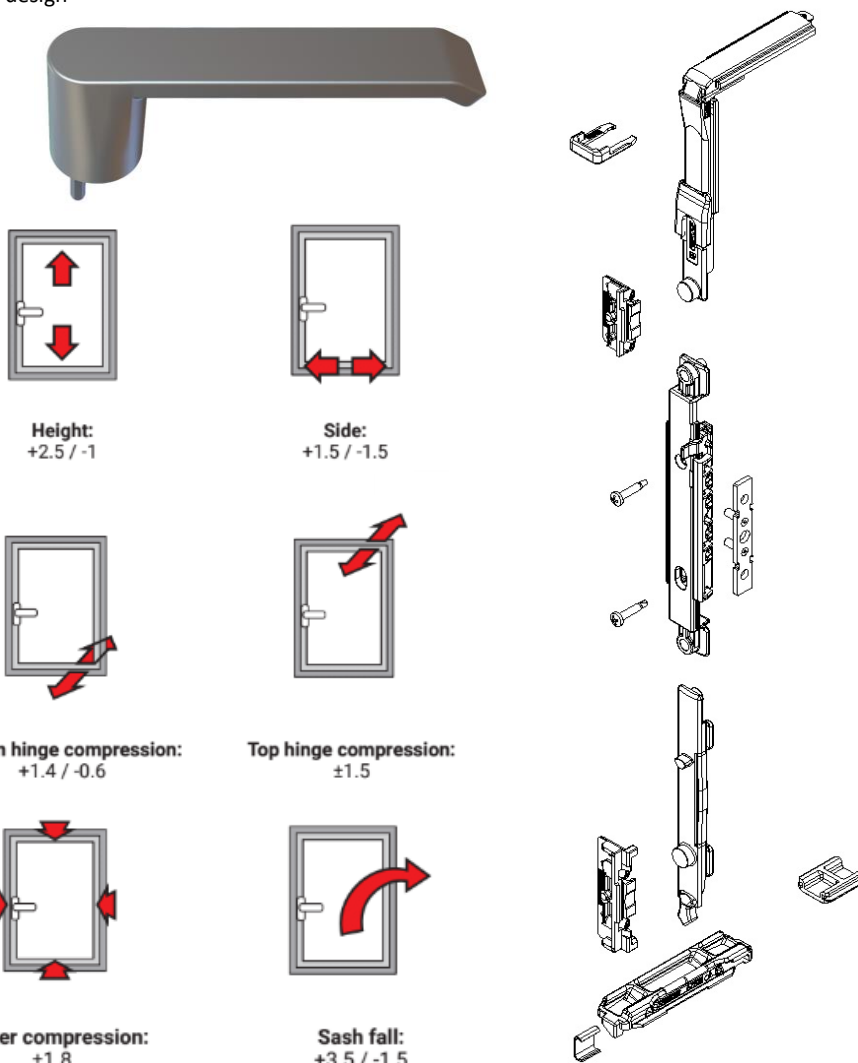
ALUMIL EURO GROOVE CONCEALED T/T MECHANISM 100KG

FUNCTION

Concealed tilt/turn mechanism for all Alumil euro groove systems suitable for tilt/turn, side-hung and bottom hung openings

TECHNICAL FEATURES

- Available for side-hung and tilt/turn single and double sash windows
- Tilt/turn hardware system:
 - Sash width from 470 to 1500mm
 - Sash height from 600 to 2500mm
- For width > 1000mm an additional arm is required
- For width > 1000mm and height > 1200mm additional locking is required
- Micrometric and independent 3D adjusting system
- Standard 1 sash kit with WOSD on gearbox and top and bottom locking
- Standard concealed hinges for casement windows and second sash
- Modern pin handle with no base/rosette with Alumil patented design and logo. Available also in mill finish for special colors
- 180° window opening
- 100kg window capacity



MATERIALS

- AISI 304 stainless steel, zinc plated steel, aluminium bronze and zamak hinges
- Zamak silver coated main locking kit
- Polyamide raiser
- Stainless steel screws and grub screws

SURFACE COATING

- White powder coated handle RAL 9016
- Black powder coated handle RAL 9005
- Silver powder coated handle RAL 9006
- Mill finish handles for special requests

CERTIFICATION

- Corrosion resistance: >500h salt-spray test
- Alumil 5 Year Guarantee

CODES & DESCRIPTIONS

EX-4053951000	SIDE HUNG GEAR TRANSMISSION FOR HANDLE WITHOUT ROSETTE	EX-4004354100	KIT OF CONCEALED HINGES FOR SIDE HUNG RIGHT
EX-4053952000	T/T GEAR TRANSMISSION KIT FOR HANDLE WITHOUT ROSETTE	EX-4004354200	KIT OF CONCEALED HINGES FOR SIDE HUNG LEFT
EX-3808071900	ALUMIL HANDLE WITHOUT ROSETTE MILL FINISH	EX-4004355100	KIT OF CONCEALED HINGES FOR TnT T1 470-640mm RIGHT
EX-3808071902	ALUMIL HANDLE WITHOUT ROSETTE WHITE	EX-4004355200	KIT OF CONCEALED HINGES FOR TnT T1 470-640mm LEFT
EX-3808071903	ALUMIL HANDLE WITHOUT ROSETTE BLACK	EX-4004356100	KIT OF CONCEALED HINGES FOR TnT T2 601-1500mm RIGHT
EX-3808071909	ALUMIL HANDLE WITHOUT ROSETTE GREY 9006	EX-4004356200	KIT OF CONCEALED HINGES FOR TnT T2 601-1500mm LEFT
		EX-4004762000	ADDITIONAL STAY ARM
		EX-4006892000	SET FOR EXTRA LOCKING POINT

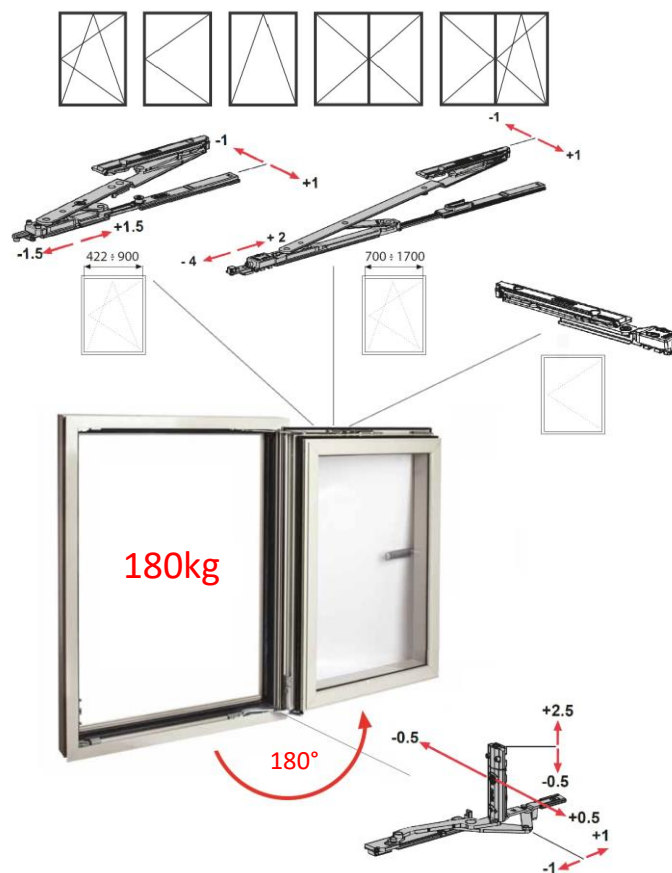
EURO GROOVE CONCEALED T/T MECHANISM 180KG

FUNCTION

Concealed tilt/turn mechanism for all Alumil euro groove systems suitable for tilt/turn, side-hung and bottom hung openings

TECHNICAL FEATURES

- Available for bottom hung, side-hung and tilt/turn single and double windows
- Tilt/turn hardware system
 - Sash width from 422 to 1700mm
 - Sash height from 600 to 2600mm
- 180° window opening
- 180kg window capacity
- Simple and intuitive assembly, with no drilling or template required
- Patented 3D adjusting system
- Special hinge design for strong clamping in closed position
- Easy one-man sash hanging
- Special hinges for bottom hung up to 160kg
- Combined with Alumil 7mm pin handle
- Standard 1 sash kit with WOSD on corner and top and bottom locking points
- Standard 2 sash kit with bottom shoot bolt
- Extra shoot bolt for top locking if required
- Extra locking points according to sash dimensions



MATERIALS

- Arm levers in stainless steel AISI 304
- Hinge levers in special galvanized steel

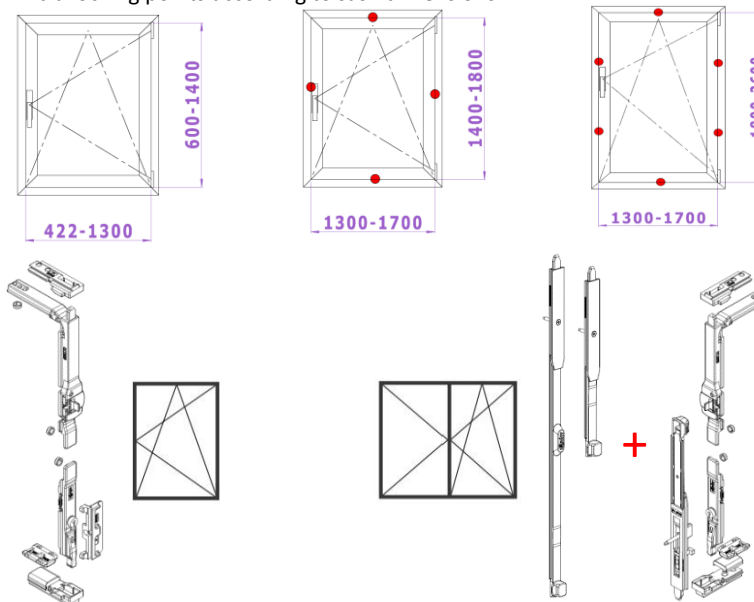
SURFACE COATING

- No additional surface treatment

CERTIFICATION

- Tilt/turn hardware durability testing: Grade 4 - 15,000 test cycles in accordance with EN 13126-8:2006 (equivalent to 60,000 individual turn, tilt and lock operations).
- Corrosion resistance: Hardware set: Grade 4 - >240h salt-spray test [EN 13126-8:2006]
- Tested in accordance with the requirements of the RAL-GZ 607/3:2009 Regulation by the German RAL institute
- Passed the test "load-bearing capacity of safety devices" [EN 14351-1:2006-07]
- DIN EN 1191:2013-04
- Alumil 5 Year Guarantee

Extra locking points according to sash dimensions



CODES & DESCRIPTIONS

EX-4211200100 KIT CONCEALED HINGES 180KG STAY ARM 480-800 RIGHT
EX-4211200200 KIT CONCEALED HINGES 180KG STAY ARM 480-800 LEFT
EX-4211201100 KIT CONCEALED HINGES 180KG STAY ARM 700-1700 RIGHT
EX-4211201200 KIT CONCEALED HINGES 180KG STAY ARM 700-1700 LEFT
EX-4211204100 KIT CONCEALED HINGES 180KG OPENING RIGHT
EX-4211204200 KIT CONCEALED HINGES 180KG OPENING LEFT
EX-4211208000 KIT CONCEALED HINGES 120-160KG TILT BOTTOM HUNG

EX-4211461000 SINGLE SASH BASIC T/T KIT
EX-4211462000 DOUBLE SASH BASIC T/T KIT WITH LOWER SECOND SASH LATCH
EX-9100002679 HANDLE MECHANISM (GEAR BOX) WITH PIN
EX-4741500000 EXTRA TOP LATCH FOR DOUBLE SASH 215 MM
EX-4211596000 ADJUSTABLE PIN FOR ADDITIONAL LOCKING
EX-3601597100 PIN KEEPER FOR ADDITIONAL LOCKING
EX-4211495000 CORNER TRANSMISSION FOR CONCEALED T/T MECH. 180KG

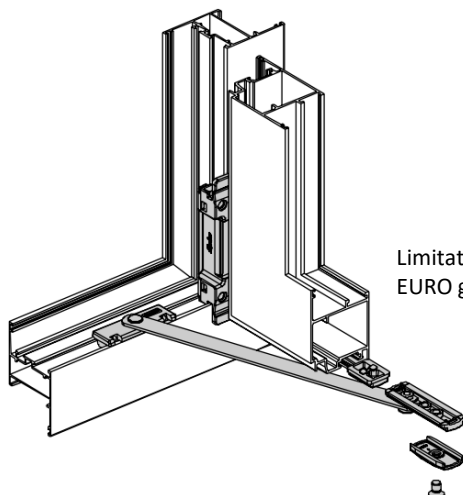
OPENING LIMITERS

FUNCTION

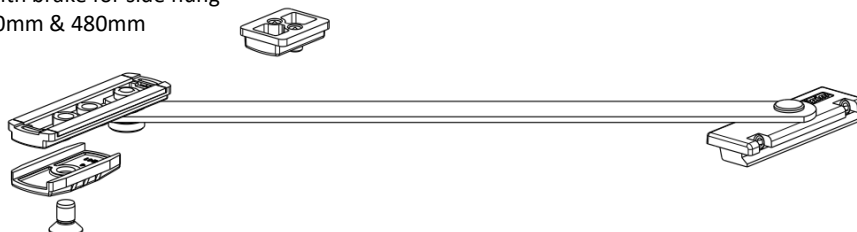
Hardware that limits the opening angle of hinged systems to avoid collision on nearby fixed objects. Also used as child safety device

TECHNICAL FEATURES

- Perfect fit at all opening Alumil systems
- Fits all standard Euro groove and PVC sash groove systems
- Available for bottom hung, top hung and side hung windows
- Limiter with adjustable brake for side hung
- Limiter with open out hold for bottom hung
- Limiter with open hold and releasable arm
- Limiters cannot be used to t/t windows
- 95° maximum opening
- Adjustable opening angle depending on arm placement



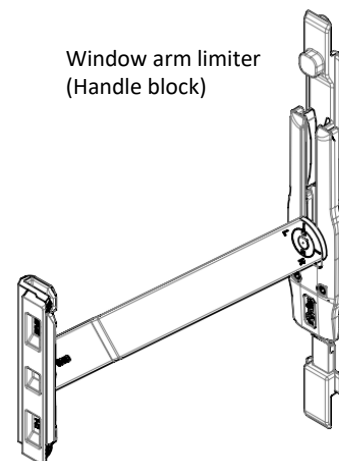
Limitation arm with brake for side hung
EURO groove 220mm & 480mm



Laser telescopic 5 position
EURO groove stay arm top
hung



Window arm limiter
(Handle block)



Stay arm for bottom hung
EURO groove



Stay arm for bottom hung
PVC groove



MATERIALS

- Extruded aluminium or stainless steel rods
- Zamak fixing parts
- Polyamide sliders / brakes
- Stainless steel fixings
- ***Materials differ between codes

SURFACE COATING

- No additional surface coating

CERTIFICATION

- Alumil 5 Year Guarantee

CODES & DESCRIPTIONS

EX-4167650000	STAY ARM FOR BOTTOM HUNG PVC GROOVE
EX-4211456000	WINDOW ARM LIMITER (HANDLE BLOCK) EURO GROOVE
EX-4731000000	STAY ARM FOR BOTTOM HUNG EURO GROOVE
EX-4731955000	LASER TELESCOPIC 5 POSITION EURO GROOVE STAY ARM TOP HUNG
EX-4741459000	LIMITATION ARM WITH BRAKE FOR SIDE HUNG EURO GROOVE 220mm
EX-4741459800	LIMITATION ARM WITH BRAKE FOR SIDE HUNG EURO GROOVE 480mm

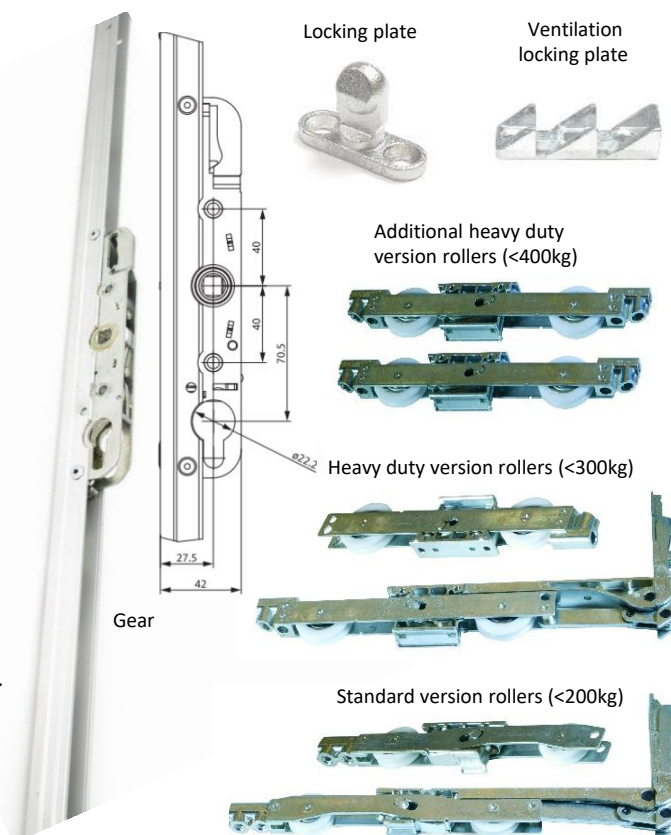
ALUMIL LIFT/SLIDE MECHANISM

FUNCTION

Alumil branded lift/slide hardware for all Alumil lift/slide systems providing smooth and quiet movement of sliding sashes and enhanced security.

TECHNICAL FEATURES

- Available in two basic versions based on sash weight to cover all Alumil's range needs:
 - Standard version: sashes up to 200kg
 - Heavy duty version: sashes up to 300kg (up to 400kg with the use of additional rollers)
- Two point locking as standard. A third locking point is also available and concealed on the gear if required
- Gears in four different lengths to cover from small sized sliding windows to big sized sliding doors
- Gear backset is 27.5mm
- Gears can accommodate profile cylinders for enhanced security
- Extensions of 500mm are available in two versions, both with integrated locking point and without locking point for aesthetics
- Combined with Alumil 10mm pin handle
- Special locking plate for ventilation
- Tension spring available for smoother lifting of heavy sashes (>200kg). Retrofitting is possible
- Handle dampener available for smoother and safer lowering of the sash. Prevents high speed strike back of the handle. Recommended for sashes >100kg. Mainly used as a child safety device. Retrofitting is possible
- Sash width from 700 to 3.300mm
- A third light-weight version is also available for sashes up to 90kg. Two locking points only, with no gear extension and profile cylinder option available and for widths up to 1.900mm. Combined with Alumil 7mm pin long handle
- Alumil branded



MATERIALS

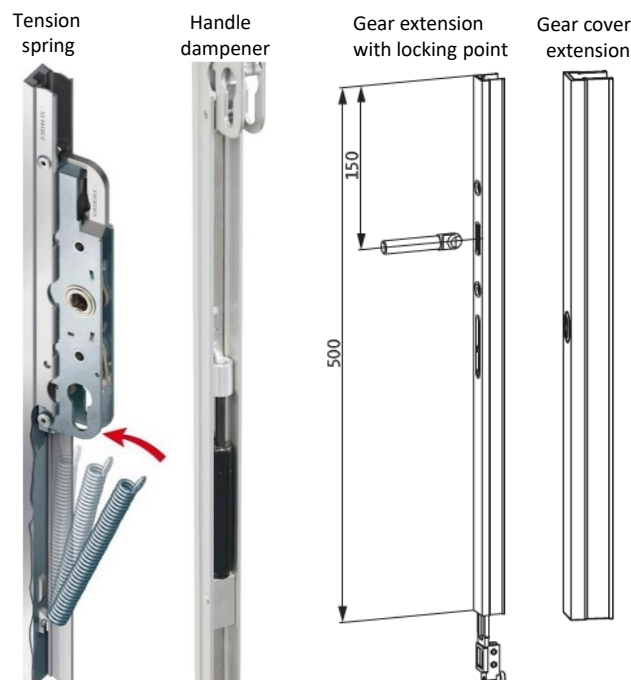
- Hardware components manufactured from high-quality steel, Zamak die-casting and aluminium alloys
- The steel components consist of stainless alloys

SURFACE COATING

- Zamak die-casting components, as locking components and runners, are subjected to bichromating surface-treatment and additional silver-colored coating
- Aluminium parts are silver anodized

CERTIFICATION

- Durability: Grade 5 - 25,000 test cycles [EN 13126-16:2008-04]
- Corrosion resistance:
 - Hardware set: Grade 5 - >480h salt-spray test [EN 13126-16:2008-04]
 - Individual zinc die-cast component with bichromating treatment: Grade 5 - >1,000h salt-spray test [EN 1670, EN 9227 based on EN 13126-1:2011]
- DIN EN ISO 9001:2008
- In accordance with the REACH regulation (1907/2006/EG) regarding SVHC substances
- RC 2 Tested according to DIN EN 1627
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

Part numbers, descriptions and application ranges are depicted in the corresponding hardware catalogue and installation drawings.

SIMPLE LOCKING SOLUTION FOR OPENING SYSTEMS

FUNCTION

Simple locking solutions for opening systems with easy fabrication at great value

TECHNICAL FEATURES

- To be used for inward opening windows and tilt windows
- Three alternative locking solutions
 - Finger catch:
 - may be installed post production on site
 - automatically closes with pushing
 - adjustable closing force
 - fits all standard Euro groove and PVC groove systems
 - Cremone kit:
 - to be used with the Alumil cremone
 - 2 standard locking points top and bottom
 - fits all standard euro groove systems
 - Handle lock:
 - easy operation and low maintenance
 - fits all standard Euro groove and PVC groove systems
- All solutions are complete kits

MATERIALS

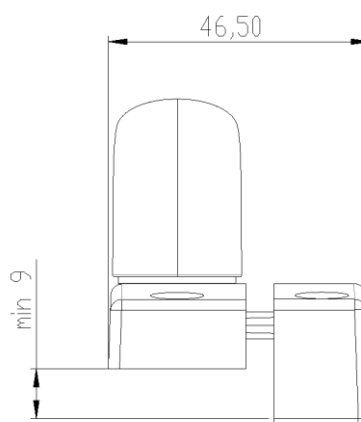
- Zamak / Aluminium / Polyamide main body
- Polyamide bushings
- Galvanized screws and fixing plates
- Stainless steel fixings and spring for euro groove finger catch

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9005
- Silver anodized
- Black polyamide parts

CERTIFICATION

- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-4700139002	ADJUSTABLE FINGER CATCH FOR PVC GROOVE WHITE
EX-4700139003	ADJUSTABLE FINGER CATCH FOR PVC GROOVE BLACK
EX-4700321702	ADJUSTABLE FINGER CATCH FOR EURO GROOVE WHITE
EX-4700321703	ADJUSTABLE FINGER CATCH FOR EURO GROOVE BLACK
EX-4700321711	ADJUSTABLE FINGER CATCH FOR EURO GROOVE SILVER ANODISED
EX-3805050002	CLOSING HANDLE FOR SMALL WINDOWS WHITE
EX-3805050003	CLOSING HANDLE FOR SMALL WINDOWS BLACK
EX-4800009400	SIDE HUNG KIT FOR CREMONE ALUMIL

ALUMIL SIMPLE LOCKING SOLUTION FOR SLIDING SYSTEMS

FUNCTION

Simple solution for sliding systems with single point locking and flush handle with Alumil logo

TECHNICAL FEATURES

- One point locking with hook
- Automatic function available with the use of a spring for ease of use
- Keyed version available (2 keys included)
- Clipped for easy installation without the use of screws
- Full metal flush handle for enhanced security
- Applicable to all non-thermally broken sliding systems and shutters



MATERIALS

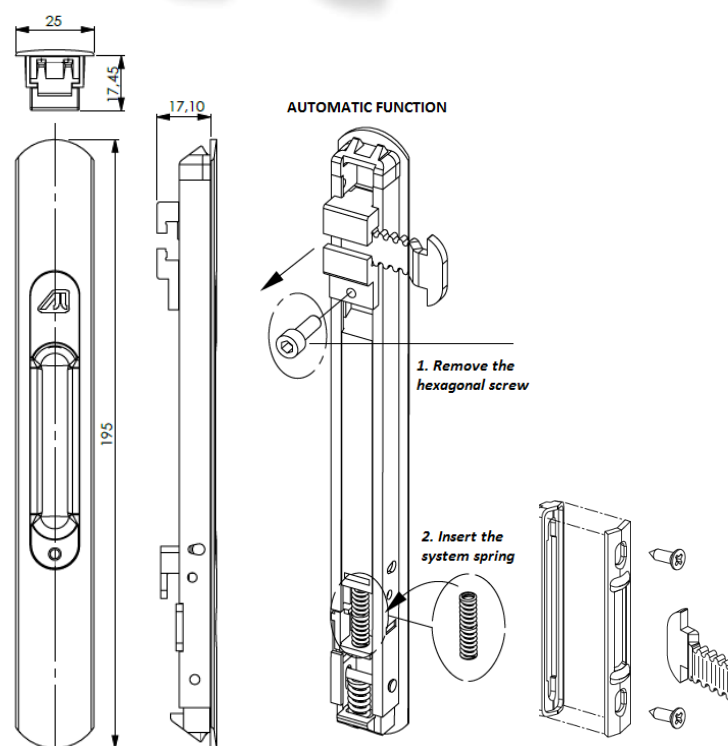
- Main body of extruded aluminum (alloy 6060 T5)
- Sliding lock mechanism of die casted Zamak (alloy EN 1774)
- Flush handle insert of galvanized Zamak
- Plastic parts of Nylon 6/6
- Inox hook and striking plate (AISI 430)
- Inox self tapping screws

SURFACE COATING

- White powder coating RAL 9010
- Black matte powder coating RAL 9005 mat
- Silver powder coating (anodic ice)

CERTIFICATION

- Certified according to EN 13126-3 : 2011
- Durability: Grade 4 - 15.000 test cycles
- Corrosion resistance: Grade 4 - Very high - 240h [EN 1670]
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-6302456002 ALUMIL SLIDING LOCK WHITE
EX-6302456003 ALUMIL SLIDING LOCK BLACK
EX-6302456009 ALUMIL SLIDING LOCK SILVER

EX-6302498002 ALUMIL SLIDING LOCK WITH KEY WHITE
EX-6302498003 ALUMIL SLIDING LOCK WITH KEY BLACK
EX-6302498009 ALUMIL SLIDING LOCK WITH KEY SILVER

EX-6302480000 ALUMIL SLIDING LOCKING KIT FOR 28mm SASHES
EX-6302244000 ALUMIL SLIDING LOCKING KIT FOR 32mm SASHES
EX-6302458000 ALUMIL SLIDING LOCKING KIT FOR 35mm SASHES
EX-6302220000 ALUMIL SLIDING LOCKING KIT FOR 38mm SASHES

EX-6102457002 CLIPPED METAL FLUSH HANDLE FOR SLIDING DOORS ALUMIL WHITE
EX-6102457003 CLIPPED METAL FLUSH HANDLE FOR SLIDING DOORS ALUMIL BLACK
EX-6102457009 CLIPPED METAL FLUSH HANDLE FOR SLIDING DOORS ALUMIL SILVER

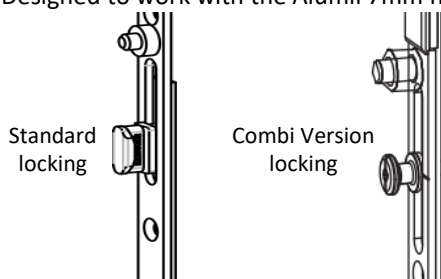
MULTI POINT LOCK FOR SLIDING SYSTEMS

FUNCTION

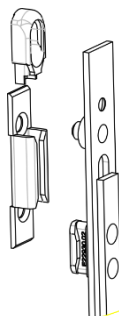
Lock for Alumil sliding systems with multiple locking points and cylinder lock option

TECHNICAL FEATURES

- Perfect fit for all sliding Alumil systems
- From 1 to 4 locking points
- Available version with euro profile cylinder hole
- Two available gear backsets 7.5 and 15mm
- Large oval locking points with optional “antilift” accessory for enhanced security
- Combi version available with round pins
- Designed to work with the Alumil 7mm handle



Striker with antilift



MATERIALS

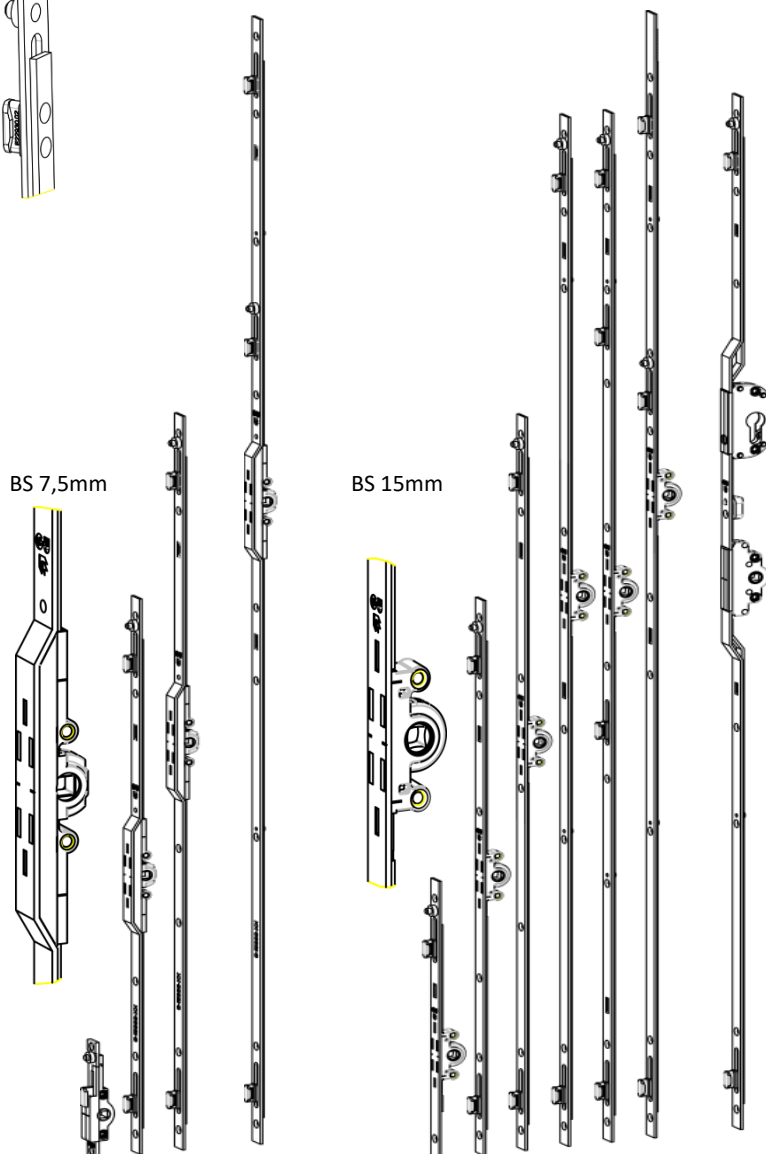
- Steel main body and locking points
- Zamak parts

SURFACE COATING

- Zamak die-casting components are subjected to bichromating surface treatment and an additional silver-colored coating

CERTIFICATION

- Durability: Grade 5 - 25.000 test cycles [EN 13126-1/19]
- Corrosion resistance:
 - Hardware set: Grade 3 - high - 96h [EN 1670]
 - Individual zinc die-cast component with bichromating treatment: Grade 5 - >1,000h salt-spray test [EN 1670, EN 9227 based on EN 13126-1:2011]
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-4405050901 SLIDING LOCK 1 POINT 120 mm BS7,5
 EX-9100001871 SLIDING LOCK 2 POINTS 600 mm BS7,5
 EX-6308310011 SLIDING LOCK 2 POINTS 1000 mm BS7,5
 EX-4163831800 SLIDING LOCK 3 POINTS 1800 mm BS7,5

EX-6309540311 SLIDING LOCK 1 POINT 300 mm BS15
 EX-4404064100 SLIDING LOCK 2 POINTS 600 mm BS15
 EX-6309541000 SLIDING LOCK 2 POINTS 1000 mm BS15
 EX-4404164100 SLIDING LOCK 2 POINTS 1600 mm BS15
 EX-4409542600 SLIDING LOCK 4 POINTS 1600 mm BS15
 EX-6309540411 SLIDING LOCK 3 POINTS 1800 mm BS15
 EX-6301538600 SLIDING LOCK 2 POINTS 1600 mm BS15 WITH CYLINDER HOLE

EX-4161000000 SLIDING LOCK 1 POINT COMBI 120 mm BS15
 EX-4166400600 SLIDING LOCK 2 POINTS COMBI 600 mm BS15
 EX-4166401000 SLIDING LOCK 3 POINTS COMBI 1000 mm BS15
 EX-4166401600 SLIDING LOCK 4 POINTS COMBI 1600 mm BS15

EX-6308800011 SLIDING LOCK STRIKER SILVER STRAIGHT BACK
 EX-6304064301 SLIDING LOCK STRIKER SILVER CONE BACK
 EX-6301819601 SLIDING LOCK EXTRA ANTILIFT STRIKER

MULTI POINT LOCK WITH HOOKS FOR SLIDING SYSTEMS

FUNCTION

Sliding lock with stainless hooks for Alumil sliding systems with multiple locking points and cylinder lock option

TECHNICAL FEATURES

- Single-point, two-point or three-point lock configurations
- Hook bolt design draws the door closed against the seals
- Hook bolts ensure the highest security by not allowing sash to be lifted out of the guide rails
- Integrated mishandling device prevents crushing bolts on strikers
- Anti-pick security feature
- A version with cylinder hole is available for enhanced security
- Works with Alumil 7mm handles



MATERIALS

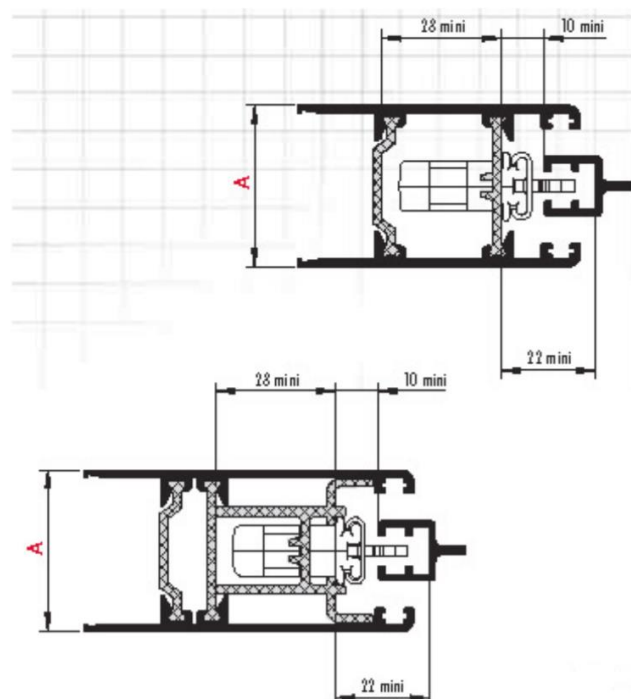
- Die cast Zinc alloy mechanism with stainless springs
- Stainless steel faceplate
- Stainless steel hooks

SURFACE COATING

- Brushed stainless steel

CERTIFICATION

- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-6300990100	SLIDING LOCK 1 POINT 150 mm BS15 WITH HOOKS INOX
EX-6300990200	SLIDING LOCK 2 POINTS 600 mm BS15 WITH HOOKS INOX
EX-6300990300	SLIDING LOCK 3 POINTS 1000 mm BS15 WITH HOOKS INOX
EX-6300990400	SLIDING LOCK 3 POINTS 1000 mm BS15 WITH HOOKS INOX WITH CYLINDER HOLE
EX-6300111300	SLIDING LOCK WITH HOOKS STRIKER INOX

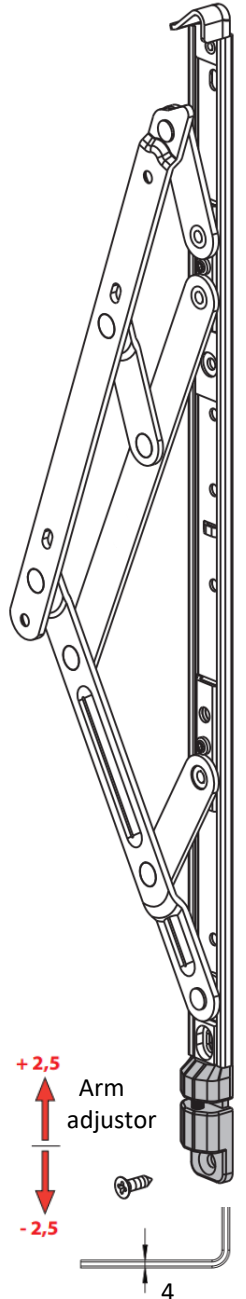
STANDARD CURTAIN WALL STAY ARMS

FUNCTION

Curtain wall window stay arms for all Alumil systems with flat profiles

TECHNICAL FEATURES

- Self balancing with four levers (65, 85kg versions) or six levers (100, 110, 120, 130kg versions) for smooth opening and closing
- Friction block with adjusting screw
- Anti rubbing composite slider to prevent vent drop
- From 0.6m to 2m height and up to 130kg vent
- Cam adjustment device should always be used
- Special endpoint for big gust loads
- Nylon snap-in shim to be used between the sash and the arms' fastening holes for easier and robust installation
- Nylon sash support and alignment wedge to properly load the stay arms when the window is closed



MATERIALS

- Full austenitic stainless steel AISI 304
- Nylon shim
- Nylon alignment wedge

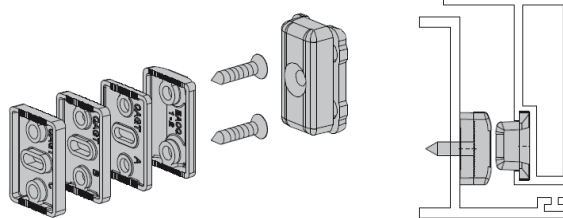
SURFACE COATING

- Stainless steel / No additional surface coating

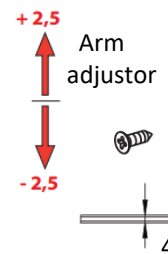
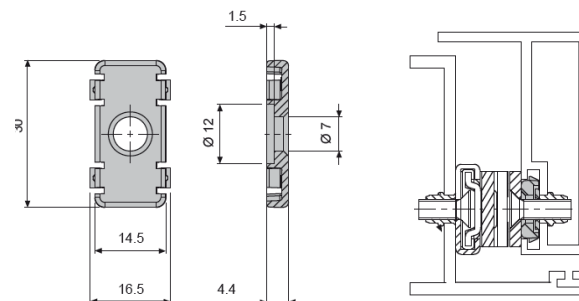
CERTIFICATION

- 8000 cycle test
- AAMA 904-01
- AAMA 907-05
- 110nm / 220nm force test
- 300h salt-spray
- Alumil 5 Year Guarantee

Support-alignment wedge



Installation shim



CODES & DESCRIPTIONS

EX-7203250100	PROJECTION ARM FOR CURTAIN WALL 65kg 625mm<Sh<800mm 30/35 DEGREE OPEN
EX-7203250200	PROJECTION ARM FOR CURTAIN WALL 85kg 800mm<Sh<1200mm 25/30 DEGREE OPEN
EX-7203250300	PROJECTION ARM FOR CURTAIN WALL 100kg 1200mm<Sh<1400mm 25/30 DEGREE OPEN
EX-7201325000	PROJECTION ARM FOR CURTAIN WALL 110kg 1400mm<Sh<1600mm 20/25 DEGREE OPEN
EX-7203250600	PROJECTION ARM FOR CURTAIN WALL 120kg 1600mm<Sh<1800mm 15/20 DEGREE OPEN
EX-7200325000	PROJECTION ARM FOR CURTAIN WALL 130kg 1800mm<Sh<2000mm 15/20 DEGREE OPEN
EX-3800325600	SHIM FOR 15/20 SASHES FOR PROJECTING-OUT WINDOW STAY ARMS
EX-4161613000	ALIGNMENT WEDGE AND WEIGHT SUPPORT FOR SASH
EX-7200325500	PROJECTION ARM ADJUSTOR

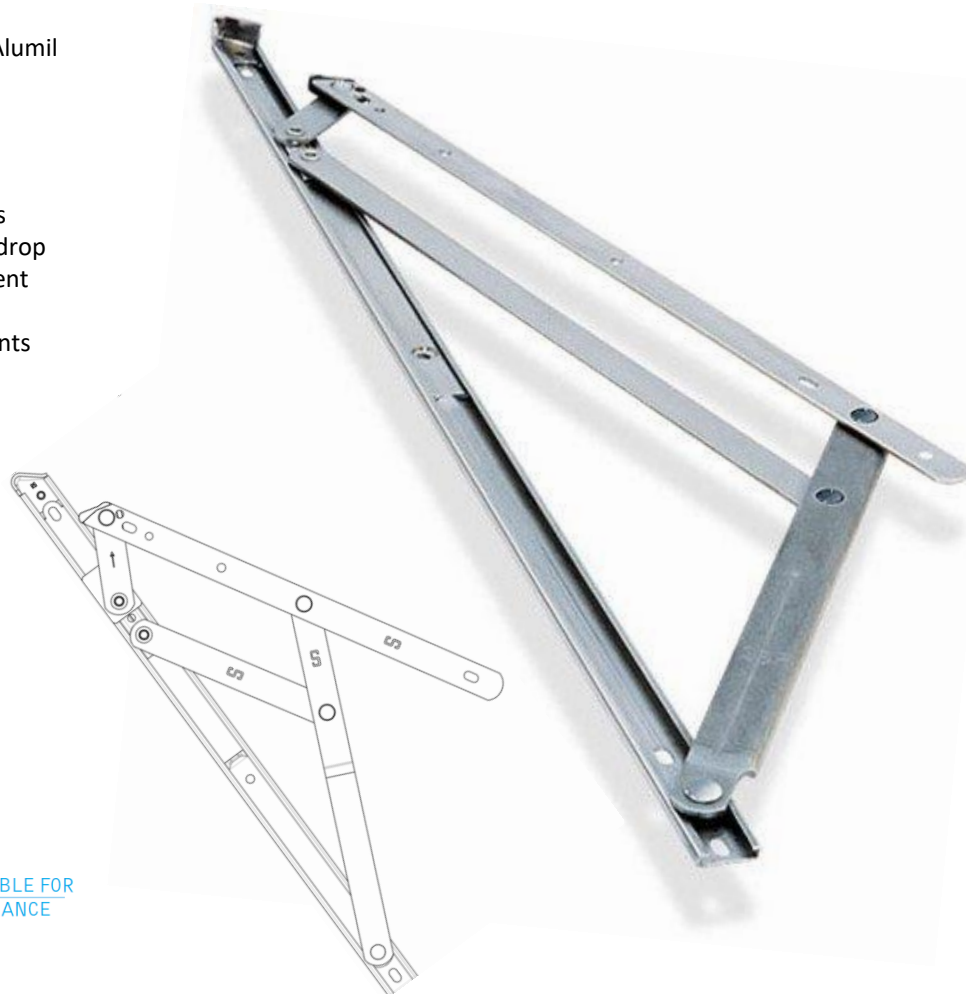
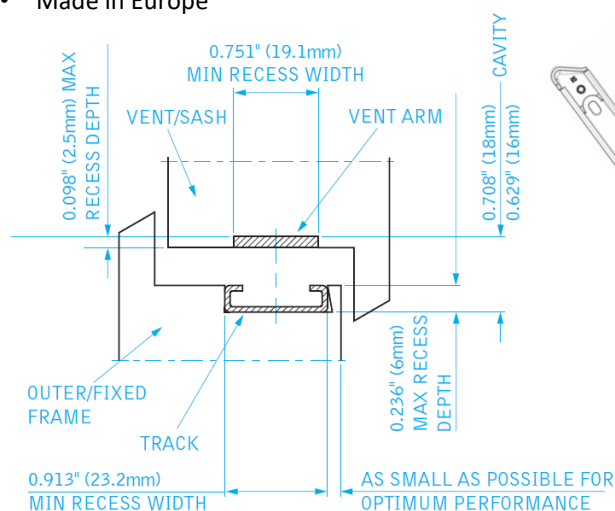
HEAVY DUTY CURTAIN WALL STAY ARMS

FUNCTION

Heavy duty curtain wall window stay arms for all Alumil systems with flat profiles

TECHNICAL FEATURES

- Self balancing for smooth opening and closing
- Tested and certified with the highest standards
- Anti rubbing composite slider to prevent vent drop
- From 0.64m to 2.5m height and up to 180kg vent
- Cam adjustment device should always be used
- One man on site adjustment even on heavy vents
- Special endpoint for big gust loads
- Made in Europe



MATERIALS

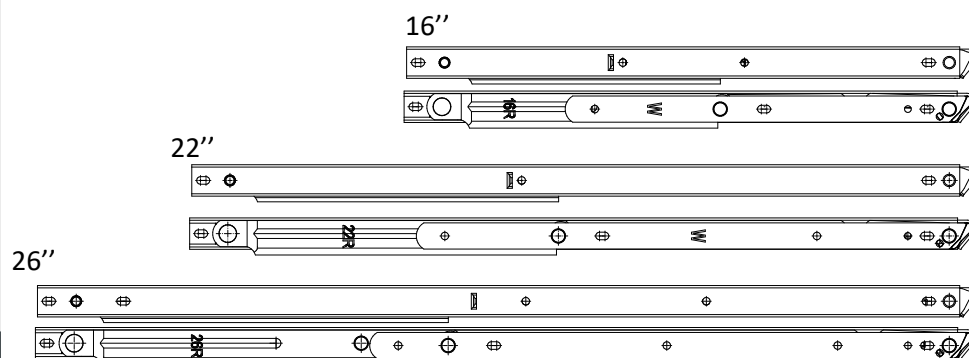
- Full austenitic stainless steel AISI 304

SURFACE COATING

- Stainless steel / No additional surface coating

CERTIFICATION

- UK BS 6375
- AAMA 901.1
- Singapore Standard 212
- EN 10088-2 Grade 1.4301
- ATI (USA) test > 6470pa.
- Tested for 30.000 cycles
- Up to 12 Year Guarantee



CODES & DESCRIPTIONS

EX-3505016800	PROJECTION ARM 16" FOR CURTAIN WALL 100kg 640mm<Sh<1100mm 30 DEGREE OPEN
EX-3505122800	PROJECTION ARM 22" FOR CURTAIN WALL 100kg 1100mm<Sh<1500mm 45 DEGREE OPEN
EX-3505122801	PROJECTION ARM 22" FOR CURTAIN WALL 100kg 1500mm<Sh<2000mm 20 DEGREE OPEN
EX-3505126800	PROJECTION ARM 26" FOR CURTAIN WALL 180kg 2000mm<Sh<2500mm 20 DEGREE OPEN
EX-3505072800	SECURY PROJECTION ARM ADJUSTOR

HEAVY DUTY PARALLEL PROJECTION CURTAIN WALL STAY ARMS

FUNCTION

A high performance parallel opening hinge range for curtain wall and structurally glazed windows

TECHNICAL FEATURES

- Provide ultimate natural ventilation by allowing a balanced air flow around the entire opening
- Maintaining aesthetically pleasing sightlines for modern facade design
- From 0.35m to 3.0m height, 0.25m to 2.0m width and up to 200kg vent
- Can be connected to a building management system as part of an automated solution for climate control
- Can be operated manually or using electric actuators
- Unique patented parallelism adjustment
- Patented synchronization method on larger hinge sizes
- Sash adjustment feature for use with heavier vents
- Hinge mechanism is fully concealed when the sash is closed
- High resistance to corrosion

MATERIALS

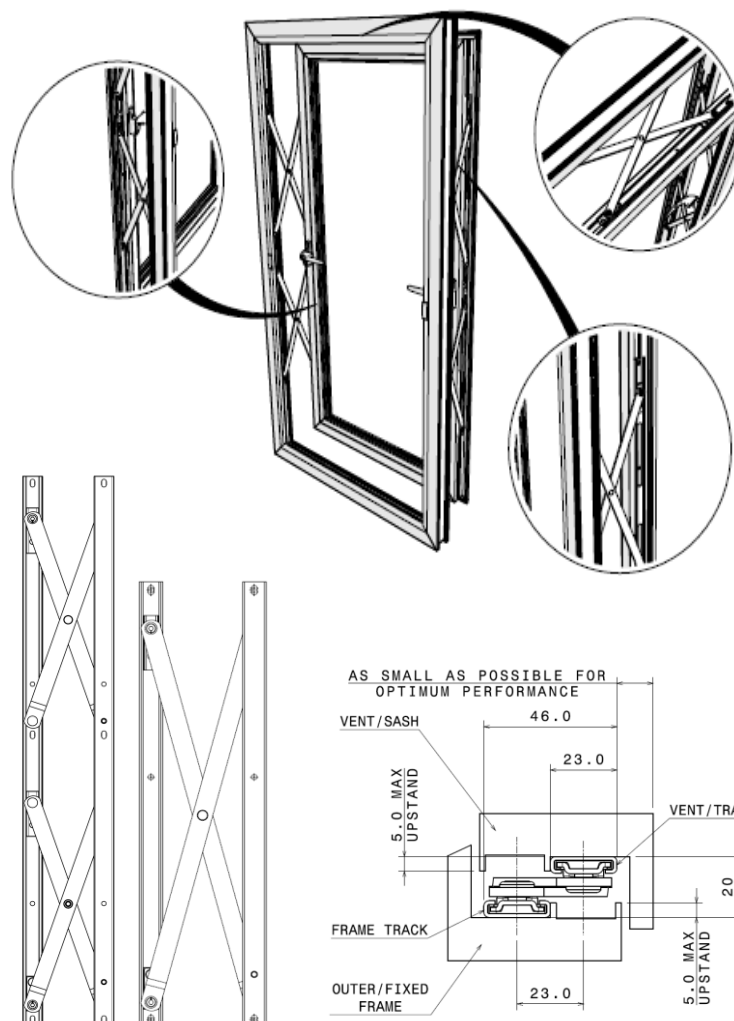
- Grade 1.4301 stainless steel links, track and inner slider [EN 10088-2]
- Grade 1.4567 stainless steel pivots [EN 10263-5]
- Zytel HTN FE8200 NC010 outer slider
- Nylon pivot washer
- Zinc alloy ZA5 pivot blocks
- Phosphor Bronze PB102 bush

SURFACE COATING

- Cold rolled finish stainless steel
- Plastic components are of uniform finish and color
- Die cast components are finished with copper nickel chrome plating

CERTIFICATION

- Durability: Tested to operate for 20,000 cycles
- Corrosion resistance: 500h neutral salt spray test [EN ISO 9227]
- Capable of achieving the requirements for natural smoke and heat exhaust ventilators [EN 12101-2:2003]
- AAMA 901.1
- Up to 12 Year Guarantee



Hinge	Max. Manual Opening Motion (mm)	Max. Motorized Opening Motion (mm)
EX-72000350xx	150	180
EX-72000450xx	150	250
EX-72000700xx	150	150
EX-72000950xx	150	250

CODES & DESCRIPTIONS

EX-7200035000	PARALLEL PROJECTION ARM 100kg 350mm 400<Sh<750 RIGHT
EX-7200035010	PARALLEL PROJECTION ARM 100kg 350mm 400<Sh<750 LEFT
EX-7200045000	PARALLEL PROJECTION ARM 100kg 450mm 750<Sh<1000 RIGHT
EX-7200045010	PARALLEL PROJECTION ARM 100kg 450mm 750<Sh<1000 LEFT
EX-7200070000	PARALLEL PROJECTION ARM 200kg 670mm 1000<Sh<1500 RIGHT
EX-7200070010	PARALLEL PROJECTION ARM 200kg 670mm 1000<Sh<1500 LEFT
EX-7200095000	PARALLEL PROJECTION ARM 200kg 950mm 1500<Sh<2000 RIGHT
EX-7200095010	PARALLEL PROJECTION ARM 200kg 950mm 1500<Sh<2000 LEFT
EX-4156239100	LOCKING PLATES FOR PARALLEL PROJECTION

EURO GROOVE STAY ARMS

FUNCTION

Friction stay arms for all top-hung Alumil systems with euro groove profiles. Small arms are also applicable to side-hung configurations

TECHNICAL FEATURES

- Asymmetrical upper part for enhanced return and closing of the sash
- Specially shaped to be self-locating in the sash-side 15/20 groove for easy mounting
- Secures to the sash with a pre-installed grub screw
- The arm mounts to the frame (with 14/18 groove) with self-tapping screws (not included)
- Polyamide filling shim as spacer for solid and durable mounting to the frame
- For sashes with height up to 2000mm, width up to 1700mm and weight up to 100kg
- 10" and 16" stay arms are also applicable to side hung outward opening windows

Top hung configuration				
Arm length (inch/mm)	Maximum opening angle	Max height (mm)	Max width (mm)	Max weight (kg)
10/259	50°	650	1500	50
16/414	30°	800	1500	100
	50°			55
22/567	20°	1500	1700	100
	45°			80
28/713	15°	2000	1700	100

MATERIALS

- Arm in stainless steel AISI 304
- Slider in polyamide and AISI 304 grade stainless steel

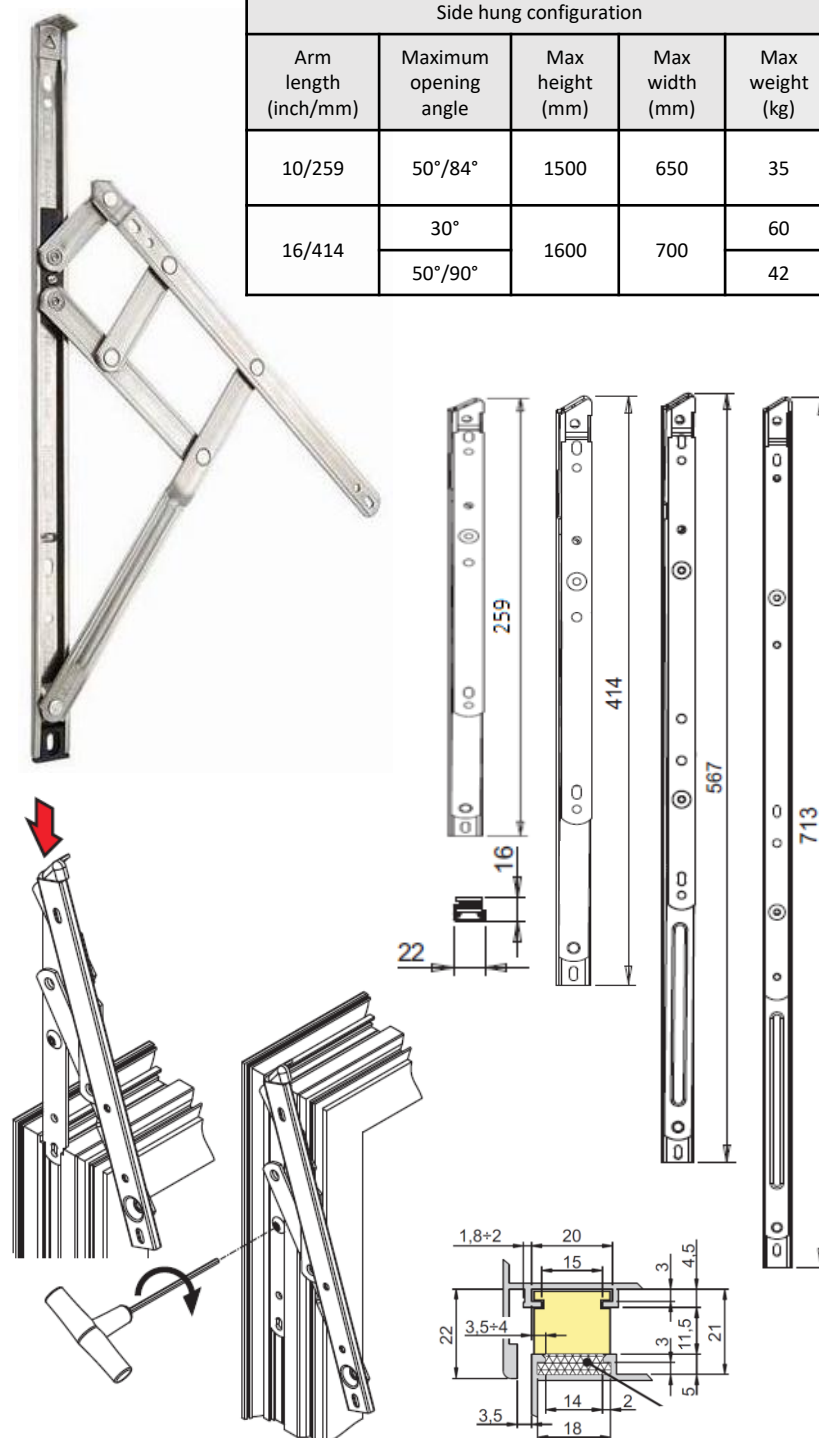
SURFACE COATING

- Stainless steel / No additional surface coating

CERTIFICATION

- Durability: Grade 5 - 25.000 cycles [EN 13126-6: 2009]
- Corrosion resistance: Grade 5 - 480 h [EN 1670]
- Alumil 5 Year Guarantee

Side hung configuration				
Arm length (inch/mm)	Maximum opening angle	Max height (mm)	Max width (mm)	Max weight (kg)
10/259	50°/84°	1500	650	35
16/414	30°	1600	700	60
	50°/90°			42



CODES & DESCRIPTIONS

EX-4008349000	TOP HUNG ARM 10" EURO GROOVE 50KG 50 DEGREE OPEN
EX-4008350000	TOP HUNG ARM 16" EURO GROOVE 55/100KG 50/30 DEGREE OPEN
EX-4008351000	TOP HUNG ARM 22" EURO GROOVE 80/100KG 45/20 DEGREE OPEN
EX-4008352000	TOP HUNG ARM 28" EURO GROOVE 100KG 15 DEGREE OPEN
EX-4000197100	SHIM FOR 14/18 FRAMES FOR PROJECTING-OUT WINDOW STAY ARMS

ALUMIL STANDARD EURO GROOVE HINGE

FUNCTION

Standard euro groove hinges for small doors and windows

TECHNICAL FEATURES

- Perfect fit for all opening Alumil systems
- Fits all standard 14/18 frame – 15/20 sash groove systems
- Door height adjustment
- For up to 70kg with 2 hinges and 80kg for 3 hinges
- Placement of hinges on top and bottom
- Third hinge placed below the top hinge
- Packaged in pairs, not assembled
- Third screw for extra stability

MATERIALS

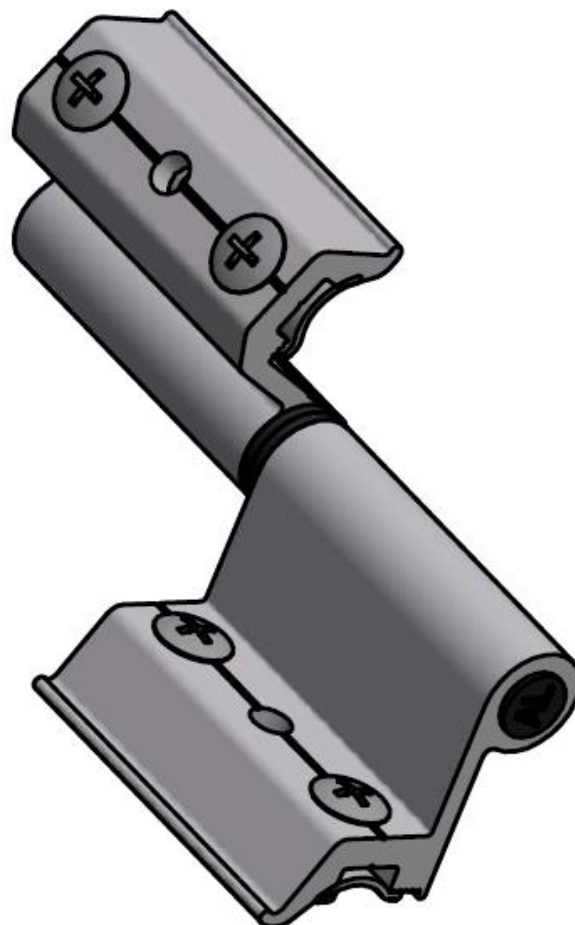
- Full extruded aluminium main body
- Polyamide bushings
- Inox screws and fixing plates
- Galvanized pin

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9005 mat
- Mill finish / Special colors upon request

CERTIFICATION

- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-3504400202	ALUMINIUM HINGE ALUMIL SCREWS-PLATE INOX WHITE
EX-3504400203	ALUMINIUM HINGE ALUMIL SCREWS-PLATE INOX BLACK

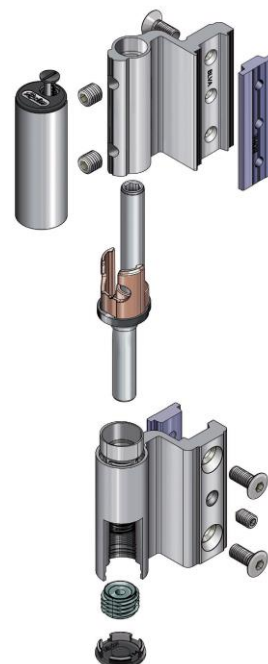
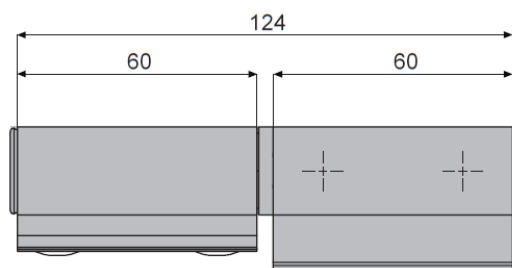
HEAVY DUTY EURO GROOVE DOOR HINGES

FUNCTION

Euro groove heavy duty hinges for doors

TECHNICAL FEATURES

- Perfect fit for all euro groove Alumil doors
- Fully independent 3D adjustment (up/down, side to side and gasket pressure)
- Weight capacity with two hinges:
 - 120 kg for residential use
 - 110 kg for commercial use
 - 100 kg for commercial use combined with a door closer
 - 90 kg for commercial use combined with a door closer and a limitation arm
- A third top assembled hinge, close to the upper one, increase weight capacity by 15%. No capacity increase is obtained if the third hinge is assembled in the middle of the door



MATERIALS

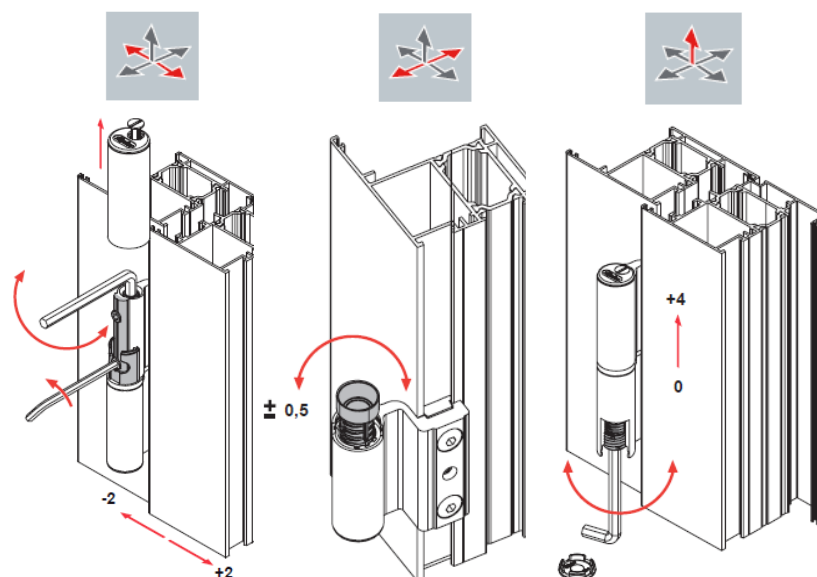
- Full extruded aluminium main body
- Polyamide bushings
- Inox screws and fixing plates
- Stainless steel pin

SURFACE COATING

- White powder coated RAL 9016
- Black powder coated RAL 9005
- Silver anodization

CERTIFICATION

- Certified according to EN 1935:2004 + EC1 2007: Grade 13 hinge
- Durability:
 - Grade 7 - Up to 200.000 cycles
 - Individual test: Tested up to 5.000.000 cycles - 120kg
- Sash mass: 120kg
- Corrosion resistance: Grade 4 - >240hours [EN 1670]
- Suitable for burglar-proof doors [EN 1627]
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-3500567102	EURO GROOVE HEAVY DUTY HINGE 3D WHITE 120kg
EX-3500567103	EURO GROOVE HEAVY DUTY HINGE 3D BLACK 120kg
EX-3500567109	EURO GROOVE HEAVY DUTY HINGE 3D SILVER 120kg

HEAVY DUTY DOOR HINGES

FUNCTION

External heavy duty hinges for doors

TECHNICAL FEATURES

- 60mm hole distance for all standard inwards and outwards opening doors
- Antitheft system for pin removal
- Fully independent 3D adjustment (up/down, side to side and gasket pressure)
- Weight capacity with two hinges:
 - 160kg for residential use
 - 145kg for commercial use
 - 130kg for commercial use combined with a door closer
 - 115kg for commercial use combined with a door closer and a limitation arm
- Self-tapping screws for thermally broken profiles available
- Fixing plates for single wall application available
- Universal drilling template for all hinges

MATERIALS

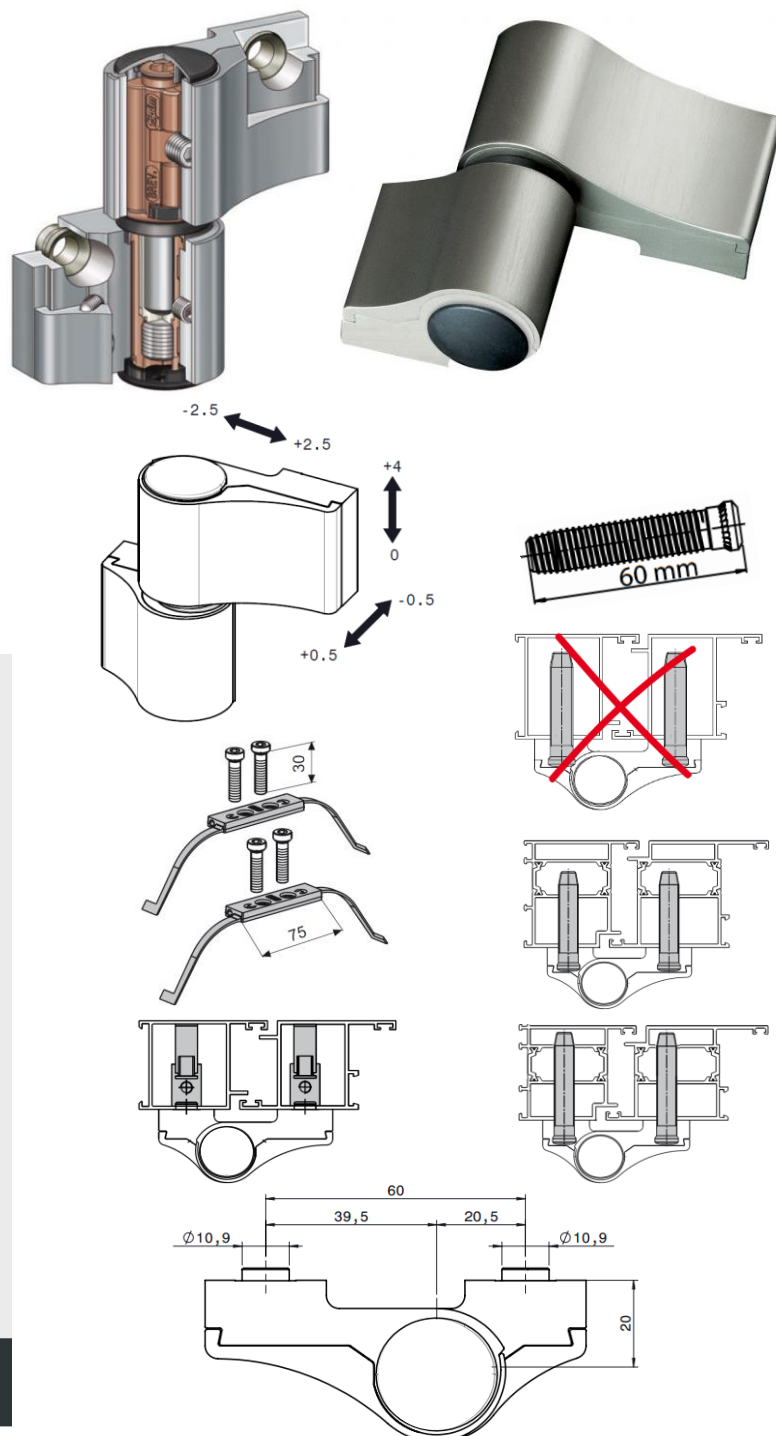
- Full extruded aluminium body
- Stainless steel pin
- Nylon caps
- Zamak bushings

SURFACE COATING

- White powder coated RAL 9016
- Black powder coated RAL 9005
- Silver powder coated RAL 9006

CERTIFICATION

- Certified according to EN 1935:2004+EC1 2007: Grade 14 hinge
- Durability:
 - Grade 7 - Up to 200.000 cycles
 - Individual test: Tested up to 160 Kg - 1.000.000 cycles
- Sash mass: 160kg
- Corrosion resistance: Grade 4 - >240hours [EN 1670]
- Suitable for burglar-proof doors [EN 1627]
- 3 star rating by SKG
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-3607000003	DOUBLE HEAVY DUTY DOOR HINGE FOR FIXING PLATES 60mm BLACK
EX-3607000109	DOUBLE HEAVY DUTY DOOR HINGE FOR FIXING PLATES 60mm SILVER RAL9006
EX-3607000002	DOUBLE HEAVY DUTY DOOR HINGE FOR FIXING PLATES 60mm WHITE
EX-3607000203	DOUBLE HEAVY DUTY DOOR HINGE FOR SELF TAP SCREWS 60mm BLACK
EX-3607000209	DOUBLE HEAVY DUTY DOOR HINGE FOR SELF TAP SCREWS 60mm SILVER RAL9006
EX-3607000202	DOUBLE HEAVY DUTY DOOR HINGE FOR SELF TAP SCREWS 60mm WHITE
EX-3606825000	DRILL JIG FOR DOUBLE HINGES EX-3607000xxx
EX-7626604100	SELF TAP SCREW FOR HINGES EX-3607000xxx
EX-3606620100	FASTENING KIT WITH COUNTER-PLATES FOR HINGES EX-3607000xxx

HEAVY DUTY DOOR HINGES BY DR HAHN

FUNCTION

External heavy duty hinges for doors

TECHNICAL FEATURES

- 65mm for all inwards and outwards opening doors
- 86 and 91mm hole distance for reversing profiles
- Fully independent 3D adjustment without raising or removing the door
- Max certified weight is 180kg for 200.000 cycles
- Made in Germany
- Antitheft system for pin removal with integrated screw
- Versions for thermally broken profiles with screws and for single wall profiles with fixing plates
- Hinges with fixing plates and for uneven sash/frame are with preinstalled spacers
- Spacers available for hinges with screws in 3 colors
- Fixing plates with 21mm depth for small chambers
- Triple version available for weight up to 220kg
- Drilling jigs available according to the hinge
- Rust proof continuous bearing pin / no necessity for lubrication



MATERIALS

- Full extruded aluminium body
- Stainless steel pin
- Nylon caps and bushings
- All metal parts are corrosion resistant

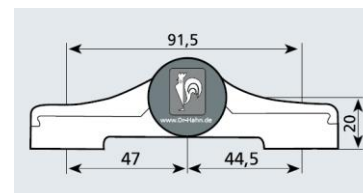
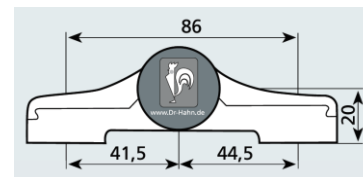
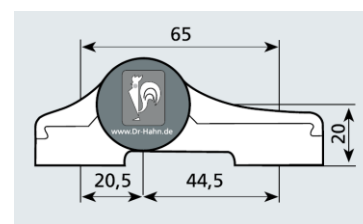
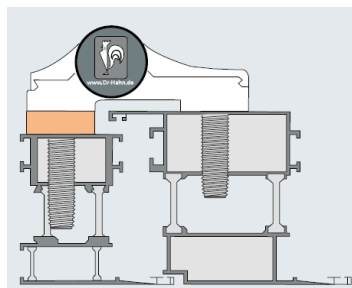
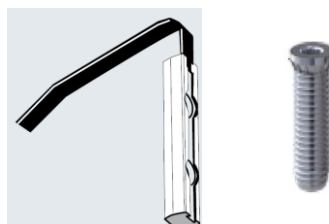
SURFACE COATING

- White powder coated RAL 9010
- Black anodized
- Silver anodized

CERTIFICATION

- Certified according to EN 1935: Grade 14 hinge
- Durability: Grade 7 - Up to 200.000 cycles
- Corrosion resistance: Grade 4 - >240hours [EN 1670]
- Suitable for fire/smoke retardant doors [EN 1634-1]
- Suitable for burglar-proof doors [EN 1627]
- 3 star rating by SKG
- Alumil 5 Year Guarantee

- Horizontal adjustment ± 2.5 mm
- Vertical adjustment $+3$ mm, -2 mm
- Sealing pressure adjustment ± 0.5 mm



CODES & DESCRIPTIONS

EX-3605890112	DOUBLE DOOR HINGE 65mm WITH SCREW 58mm BLACK ANOD	EX-3609591200	DRILL JIG - DOUBLE HINGE WITH PLATE 65mm WITH ADDITION 15mm
EX-3605890111	DOUBLE DOOR HINGE 65mm WITH SCREW 58mm SILVER ANOD	EX-3600910100	DRILL JIG - DOUBLE HINGE WITH PLATE 65mm WITH ADDITION 9mm
EX-3605890102	DOUBLE DOOR HINGE 65mm WITH SCREW 58mm WHITE RAL9010	EX-3600010500	DRILL JIG - DOUBLE HINGE WITH PLATE 91,5mm
EX-3605891112	DOUBLE DOOR HINGE 86mm WITH SCREW 58mm BLACK ANOD	EX-3600910500	DRILL JIG - DOUBLE HINGE WITH PLATE 91,5mm WITH ADDITION 9mm
EX-3605891111	DOUBLE DOOR HINGE 86mm WITH SCREW 58mm SILVER ANOD	EX-3609565200	DRILL JIG - DOUBLE HINGE WITH SCREW / PLATE 65mm FOR FLAT PROFILES
EX-3605891102	DOUBLE DOOR HINGE 86mm WITH SCREW 58mm WHITE RAL9010	EX-3608865200	DRILL JIG - DOUBLE HINGE WITH SCREW 65mm WITH ADDITION 15mm
EX-3605895112	TRIPLE DOOR HINGE 65mm WITH SCREW 58mm BLACK ANOD	EX-3601610100	DRILL JIG - DOUBLE HINGE WITH SCREW 65mm WITH ADDITION 7,5mm
EX-3605895111	TRIPLE DOOR HINGE 65mm WITH SCREW 58mm SILVER ANOD	EX-3600011100	DRILL JIG - DOUBLE HINGE WITH SCREW 86mm FOR FLAT PROFILES
EX-3605895102	TRIPLE DOOR HINGE 65mm WITH SCREW 58mm WHITE RAL9010	EX-3601611100	DRILL JIG - DOUBLE HINGE WITH SCREW 86mm WITH ADDITION 7,5mm
EX-3602190112	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm BLACK ANOD		
EX-3602190111	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm SILVER ANOD		
EX-3602190102	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm WHITE RAL9010		
EX-3601590112	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm WITH ADDITION 15mm BLACK ANOD		
EX-3601590111	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm WITH ADDITION 15mm SILVER ANOD		
EX-3601590102	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm WITH ADDITION 15mm WHITE RAL9010		
EX-3600990112	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm WITH ADDITION 9mm BLACK ANOD		
EX-3600990111	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm WITH ADDITION 9mm SILVER ANOD		
EX-3600990102	DOOR HINGE 65mm DOUBLE WITH PLATE 21mm WITH ADDITION 9mm WHITE RAL9010		
EX-3602190512	DOOR HINGE 91,5mm DOUBLE WITH PLATE 21mm BLACK ANOD		
EX-3602190511	DOOR HINGE 91,5mm DOUBLE WITH PLATE 21mm SILVER ANOD		
EX-3602190502	DOOR HINGE 91,5mm DOUBLE WITH PLATE 21mm WHITE RAL9010		
EX-3600990512	DOOR HINGE 91,5mm DOUBLE WITH PLATE 21mm WITH ADDITION 9mm BLACK ANOD		
EX-3600990511	DOOR HINGE 91,5mm DOUBLE WITH PLATE 21mm WITH ADDITION 9mm SILVER ANOD		
EX-3600990502	DOOR HINGE 91,5mm DOUBLE WITH PLATE 21mm WITH ADDITION 9mm WHITE RAL9010		

CONCEALED DOOR HINGE

FUNCTION

Concealed door hinge for modern aesthetics

TECHNICAL FEATURES

- Fits all Alumil door systems
- Minimum machining on the profiles
- Easy sash hanging
- Easy one-man 3D micro-adjustment
- 100° opening angle
- 120kg per sash
- Stainless fixings included



MATERIALS

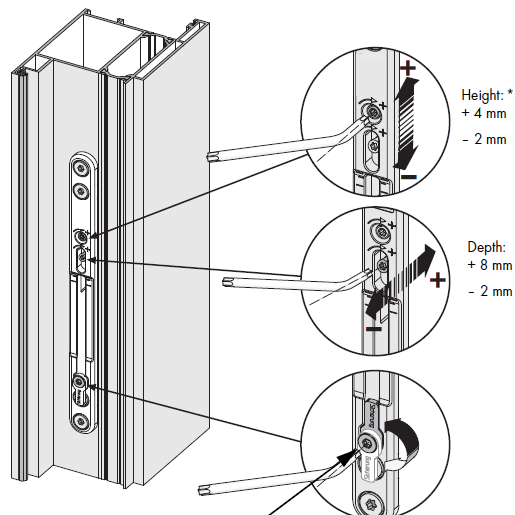
- Zamak main body
- Polyamide cover
- Stainless fixings

SURFACE COATING

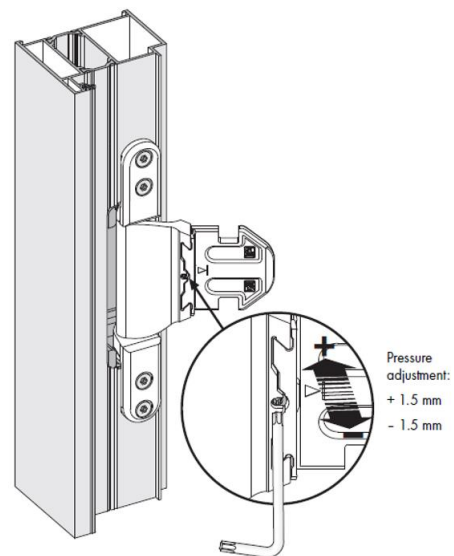
- Standard silver

CERTIFICATION

- Up to 120kg
- Alumil 5 Year Guarantee



After mounting the door leaf, the tongue of the frame part must be secured with the safety mechanism.



CODES & DESCRIPTIONS

EX-3602570000 CONCEALED ENTRANCE DOOR HINGE SILVER ANODIZING 3D 120KG

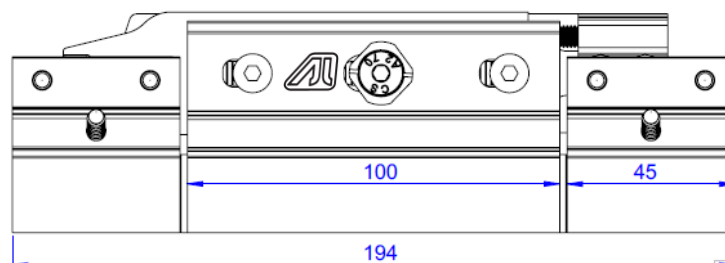
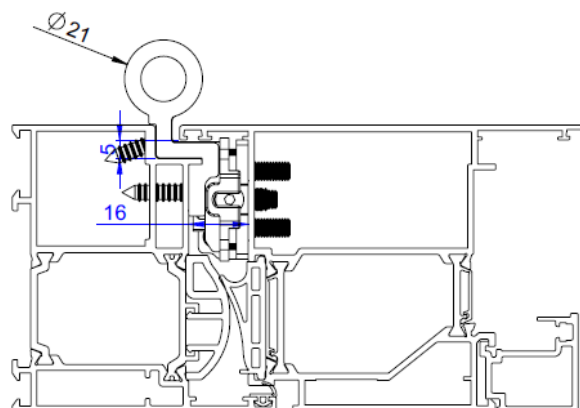
ALUMIL SUPREME DOOR HINGE

FUNCTION

Heavy duty Alumil Supreme Door hinge

TECHNICAL FEATURES

- Fully independent 3D micro-adjustment (height, side to side and gasket pressure)
- Remains aligned even when fully adjusted
- Easy installation without any inserts in the chambers
- Same hinge for right and left and inward-outward application
- Burglar proof pin
- Self-taping screw or rivet application (both included in the kit)
- Tested up to 160kg
- Triple hinge design for enhanced stability
- Complete fixing set and installation instructions in one package
- Alumil branded with engraved Alumil logo



MATERIALS

- Full extruded aluminium main body
- Stainless steel pin
- Glass reinforced bushings
- Full stainless steel fixing screws
- CNC machined adjustment plate

SURFACE COATING

- Silver anodized
- Inox anodized
- Black anodized

CERTIFICATION

- 160kg tested
- Alumil 5 Year Guarantee

CODES & DESCRIPTIONS

INT-3607795011	ALUMIL HINGE 3D FOR SD DOORS INOX ANODIZED
INT-3607795033	ALUMIL HINGE 3D FOR SD DOORS SILVER ANODIZED
INT-3607795045	ALUMIL HINGE 3D FOR SD DOORS BLACK ANODIZED

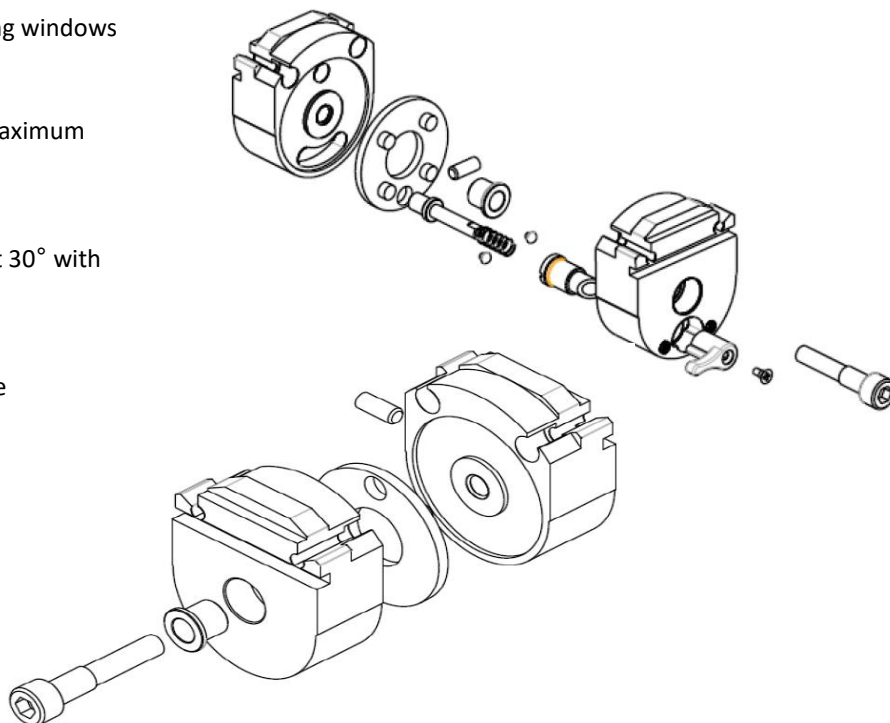
HORIZONTAL PIVOT HINGES

FUNCTION

Standard horizontal euro groove pivot hinges for opening windows

TECHNICAL FEATURES

- Pivoting hinges allow minimum sash intrusion and maximum opening
- For sashes up to 80kg
- Placement of hinges at the middle of the verticals
- Lever allows for full opening or blocks the opening at 30° with color indication
- Packaged in pairs
- Full opening allows for easy cleaning of the outside
- Locking points may be used only below the hinge line
- Hinges are not fitted on vertically pivoting windows
- Tested for SMARTIA M15000 and SUPREME S77



MATERIALS

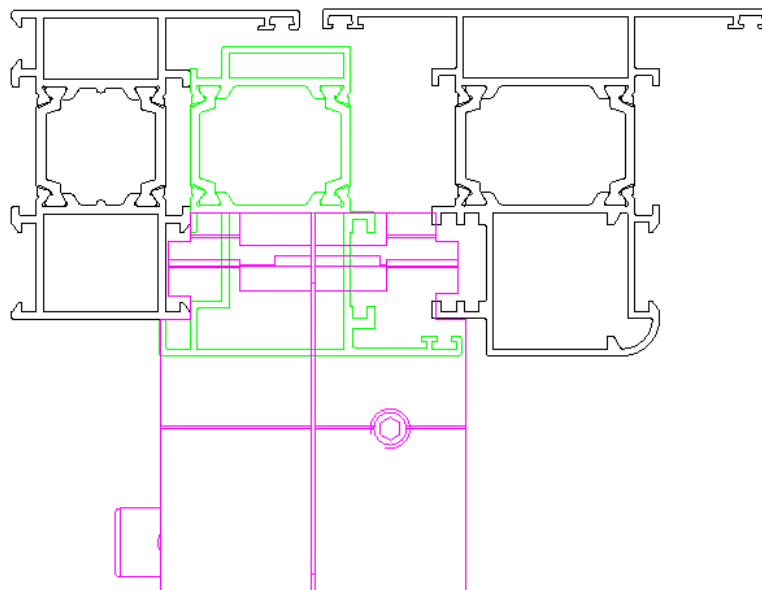
- Extruded aluminium main body and plates
- Low friction internal plate
- Anti-corrosion pin and other fixings

SURFACE COATING

- White powder coating RAL 9010
- Black powder coating RAL 9005
- Silver satin anodized

CERTIFICATION

- Cycle tested for 25.000 cycles according to norm CEN/TS 13126-9
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-3501609002	PAIR OF HORIZONTAL PIVOT HINGES FOR WINDOWS WHITE
EX-3501609003	PAIR OF HORIZONTAL PIVOT HINGES FOR WINDOWS BLACK
EX-3501609011	PAIR OF HORIZONTAL PIVOT HINGES FOR WINDOWS SILVER ANODIZED

HEAVY DUTY PIVOT HINGES

FUNCTION

Heavy duty horizontal and vertical pivot hinges for euro groove systems

TECHNICAL FEATURES

- Available in both vertical and horizontal pivot versions
- Convenient hardware adjustment:
 - adjustable friction-brake integrated in horizontal & vertical pivot hinges ensures a fixed opening angle even in windy conditions
 - height adjustment +3mm (on vertical pivot-hinges)
 - gasket pressure adjustment: ± 1 mm on all eccentric locking cams
- 180° rotation allowing for easy cleaning
- Space saving solution with half the sash width swinging inwards
- Vertical pivot fittings can be pivoted centrally or eccentrically
- Horizontal pivot hinges are flush with the window in closed position providing great aesthetics
- Transfer rod movement for extra locking points
- Please refer to technical drawings for complete application and machinings
- Horizontal pivot hinges for sash widths 600-2800mm, sash heights 600-2200mm
- Vertical pivot hinges for sash widths 600-1600mm, sash heights 600-2800mm
- Hardware load-bearing capacity tested up to 175kg sash weight
- Perfect fit for SUPREME S77 (only horizontal pivot) SMARTIA M11000 and SMARTIA M15000

MATERIALS

- Hardware components from high-quality steel and Zamac die-casting
- Zamac pivot-hinge components are powder-coated
- The steel components consist of stainless alloys

SURFACE COATING

- White powder coating RAL 9016
- Dark brown powder coating RAL 8022
- Anodised silver in F1/EV1 surface-finish
- Zamac die-casting components are subjected to bichromating surface treatment and an additional silver-colored coating

CERTIFICATION

- Durability [EN 13126-9:2013]:
 - Grade 3 > 10.000 cycles (horizontal pivot hinges)
 - Grade 4 > 15.000 cycles (vertical pivot hinges)
- Corrosion resistance [EN 13126-9:2013]:
 - Grade 4 > 240 hours salt spray test (horizontal pivot hinges)
 - Grade 3 > 96 hours salt spray test (vertical pivot hinges)
 - Individual zinc die-cast component with bichromating treatment: Grade 5 - >1,000h salt- spray test [EN 1670, EN 9227 based on EN 13126-1:2011]
- Sash weight: up to 175kg [EN 13126-9:2013]
- In accordance with the REACH regulation (1907/2006/EG) regarding SVHC substances
- DIN EN ISO 9001:2008
- Alumil 5 Year Guarantee

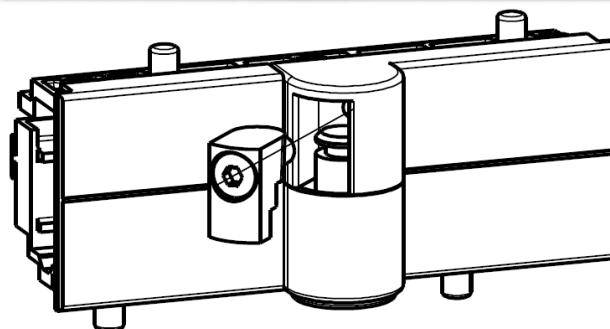
Horizontal pivot hinge

Closed position

Open position



Vertical pivot hinge



CODES & DESCRIPTIONS

EX-4152733702	PIVOT HEAVY DUTY HINGE FOR VERTICAL WINDOWS WHITE
EX-4152733706	PIVOT HEAVY DUTY HINGE FOR VERTICAL WINDOWS BROWN
EX-4152733709	PIVOT HEAVY DUTY HINGE FOR VERTICAL WINDOWS SILVER
EX-4152721202	PIVOT HEAVY DUTY HINGE FOR HORIZONTAL WINDOWS WHITE
EX-4152721206	PIVOT HEAVY DUTY HINGE FOR HORIZONTAL WINDOWS BROWN
EX-4152721209	PIVOT HEAVY DUTY HINGE FOR HORIZONTAL WINDOWS SILVER

MULTI-POINT DOOR LOCKS

FUNCTION

Multi-point locking system for doors with additional locking points at top and bottom for enhanced security

TECHNICAL FEATURES

- Available in three versions according to locking type:
 - Automatic latch bolts: When door is closed, the latch bolts automatically throw 20 mm and are secured to prevent them being forced back
 - MR version: 2 massive deadbolts with horizontal locking manual movement for protection against being sawn through
 - P/R version: Adjustable mushroom cam / roller cam with vertical locking manual movement for optimizing gasket pressure in the upper and lower area thus providing better sealing
- Comes in all standard hole distances, backsets and faceplate versions
- Reversible latch, fully adjustable strikers
- Extra codes for roller latch 35 and 45mm
- Fully enclosed lock case for optimum protection
- Automatic lock can be coupled with A-opener; nominal voltage: 12V AC / 12-24V DC (stabilised)
- Dimensions on drawing a/b/c/d are based on the descriptions below

MATERIALS

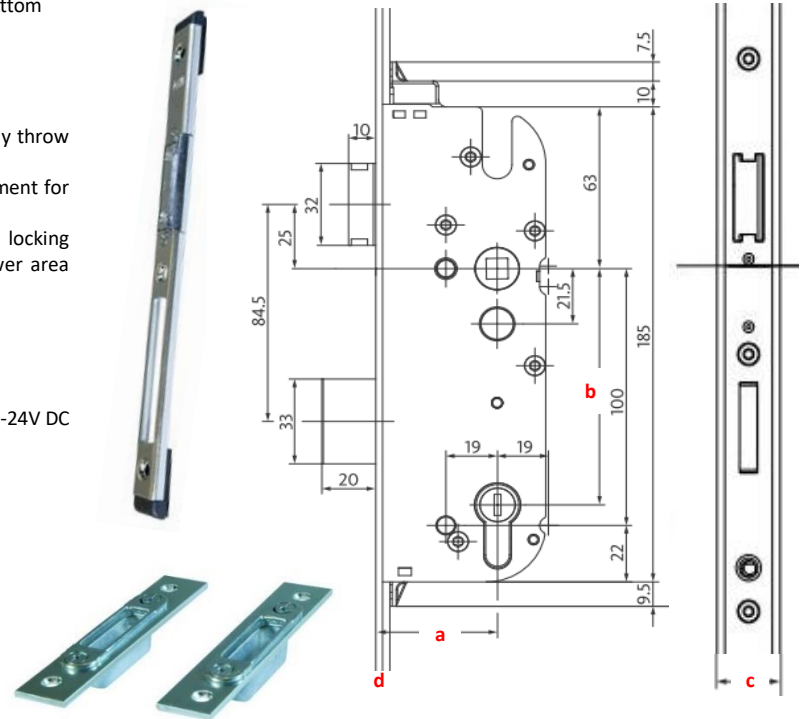
- Hardware components manufactured from high-quality steel and Zamac die-casting
- Faceplate, strikers and latch & deadbolt strikers silver galvanized or stainless steel

SURFACE COATING

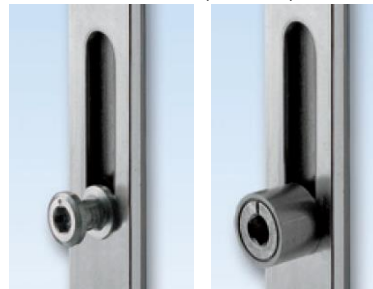
- Bichromating surface-treatment and additional silver-colored coating
- Brushed stainless steel

CERTIFICATION

- Interchangeability: [EN 14351-1] (tested by IFT Rosenheim; see Hardware Certification Scheme QM 342 : 2014)
- Fire and Smoke Protection: Approval [DIN 18250]
- Durability: Grade S - 200.000 cycles 50N load on latch bolt and low-maintenance locks [prEN 15685 : 2011]
- Tested up to resistance class RC3 (by IFT Rosenheim)
- Corrosion resistance:
 - 240h [prEN 15685:2011]
 - Individual test 500h salt spray [DIN EN 13126-1]
- In accordance with the REACH regulation [1907/2006/EG] regarding SVHC substances
- Automatic latchbolts certified as Class A by the VdS (German Insurers' Association)
- DIN EN ISO 9001:2008
- Alumil 5 Year Guarantee (2 Years on electric parts)



Adjustable mushroom cam /
Roller cam P/R (2 of each)



Massive deadbolt
(MR2)



Automatic
latchbolt



CODES & DESCRIPTIONS

LOCK CODE	LOCK	MID STRIKER CODE	MID STRIKER	UP / DOWN CODE
EX-4400375100	DOOR LOCK SEC AUTOM 35/85/16 3 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4155100100
EX-4162903809	DOOR LOCK SEC AUTOM 35/85/20/3 3 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4155100100
EX-4400373100	DOOR LOCK SEC AUTOM 35/92/16 3 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4155100100
EX-4502903811	DOOR LOCK SEC AUTOM 35/92/20/3 3 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4155100100
EX-4154803100	DOOR LOCK SEC AUTOM 35/92/24/6 3 POINTS LATCH	EX-4153736700 / EX-4153736800	MIDDLE STRIKEPLATE U24/6 RIGHT / LEFT	EX-4155100100
EX-4502848400	DOOR LOCK SEC AUTOM 45/92/24/6 3 POINTS LATCH	EX-4153736700 / EX-4153736800	MIDDLE STRIKEPLATE U24/6 RIGHT / LEFT	EX-4155100100
EX-4403309300	DOOR LOCK SEC AUTOM 45/92/24/6 5 POINTS LATCH INOX	EX-4153607220 / EX-4153607230	SINGLE PIECE STRIKEPLATE AUTO 5 U24/6 LEFT / RIGHT INOX	-
EX-4405416100	DOOR LOCK SEC MR2 35/85/16 3 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4155100100
EX-4505411311	DOOR LOCK SEC MR2 35/92/20/3 3 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4155100100
EX-4505411711	DOOR LOCK SEC MR2 35/92/24/6 3 POINTS LATCH	EX-4153736700 / EX-4153736800	MIDDLE STRIKEPLATE U24/6 RIGHT / LEFT	EX-4155100100
EX-4503153110	DOOR LOCK SEC MR2 45/92/24/6 3 POINTS LATCH	EX-4153736700 / EX-4153736800	MIDDLE STRIKEPLATE U24/6 RIGHT / LEFT	EX-4155100100
EX-4504200300	DOOR LOCK SEC P/R 35/85/16 5 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4153593500 + 4159590100
EX-4403570700	DOOR LOCK SEC P/R 35/85/20/3 5 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4153593500 + 4159590100
EX-4504200100	DOOR LOCK SEC P/R 35/92/16 5 POINTS LATCH	EX-4220604000 / EX-4220604100	MIDDLE STRIKEPLATE 14/18 U20/6 LEFT / RIGHT	EX-4153593500 + 4159590100
EX-4153390503	COVER OF STRIKEPLATE FOR DEADBOLT MACHINING BLACK	EX-4163614400 ROLLER LATCH FOR SEC 35mm EX-4163614440 ROLLER LATCH FOR SEC 45mm EX-4165597100 ACCESSORY FOR LATCH ROLLER 9/13mm	EX-4156298600 CONCEALED CABLE DUCT AUTOMATIC A-OPENER EX-4401815300 ELECTRIC MOTOR FOR SEC AUTOM DOOR LOCK EX-4400144000 FINGERPRINT SCANNER FOR SEC AUTOM LOCK	

PROFILE CYLINDERS

FUNCTION

Standard and Security euro profile cylinders for all types of locks

TECHNICAL FEATURES

- Standard security with 3 vertical insert keys
- High security with 6 pins and drill protection
- High security with 5 horizontal insert keys and key duplication with card
- High security key with long – defender rosette – neck
- M5x70 screw included
- Cylinders available in knob, half, and master key systems upon request

MATERIALS

- Full brass body

SURFACE COATING

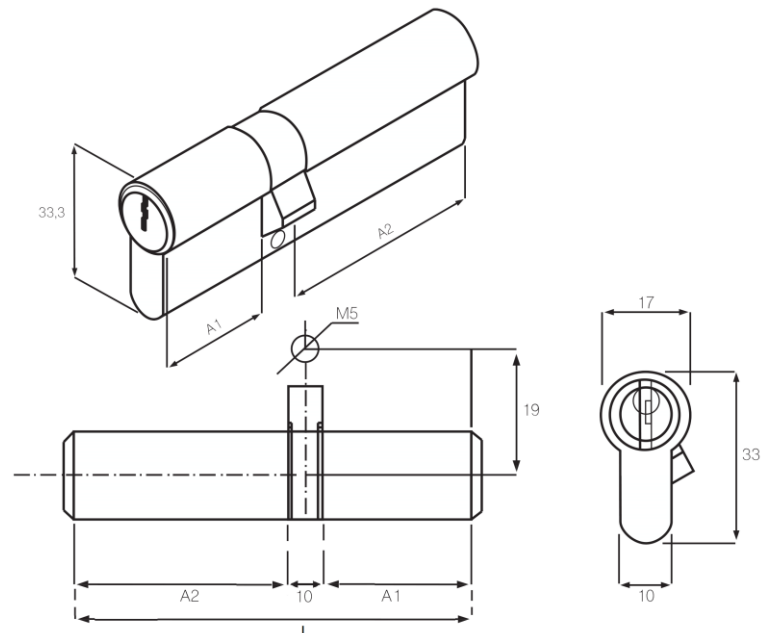
- Nickel plated

CERTIFICATION

- Certified according to EN 1303
- Durability: Grade 6 - 100.000 cycles
- Corrosion resistance: Grade C - High corrosion resistance
- Alumil 5 Year Guarantee

Security cylinder

Standard cylinder



CODES & DESCRIPTIONS (Cylinder L A1-10-A2 [A1+5/A2+5])

EX-4600054208	CYLINDER 54mm 22-10-22 [27/27] NICKEL	EX-4600016000	SECURITY CYLINDER 75mm 25-10-40 [30/45] NICKEL
EX-4600058208	CYLINDER 58mm 22-10-26 [27/31] NICKEL	EX-4600018000	SECURITY CYLINDER 80mm 25-10-45 [30/50] NICKEL
EX-4600062208	CYLINDER 62mm 26-10-26 [31/31] NICKEL	EX-4600019000	SECURITY CYLINDER 80mm 30-10-40 [35/45] NICKEL
EX-4600063208	CYLINDER 62mm 22-10-30 [27/35] NICKEL	EX-4600021000	SECURITY CYLINDER 85mm 25-10-50 [30/55] NICKEL
EX-4600070208	CYLINDER 70mm 22-10-38 [27/43] NICKEL	EX-4600022000	SECURITY CYLINDER 85mm 30-10-45 [35/50] NICKEL
EX-4600071208	CYLINDER 70mm 30-10-30 [35/35] NICKEL	EX-4600124000	SECURITY CYLINDER 90mm 25-10-55 [30/60] NICKEL
EX-4600072208	CYLINDER 71mm 26-10-35 [31/40] NICKEL	EX-4600032000	SECURITY CYLINDER 100mm 25-10-65 [30/70] NICKEL
EX-4600075208	CYLINDER 74mm 26-10-38 [31/43] NICKEL	EX-4600033000	SECURITY CYLINDER 100mm 30-10-60 [35/65] NICKEL
EX-4600076208	CYLINDER 75mm 30-10-35 [35/40] NICKEL	EX-4600034000	SECURITY CYLINDER 100mm 35-10-55 [40/60] NICKEL
EX-4600082208	CYLINDER 78mm 30-10-38 [35/43] NICKEL	EX-4600040000	SECURITY CYLINDER 110mm 25-10-75 [30/80] NICKEL
EX-4600081208	CYLINDER 80mm 35-10-35 [40/40] NICKEL	EX-4604212000	SECURITY CYLINDER 110mm 50-10-50 [55/55] NICKEL
EX-4600084208	CYLINDER 83mm 26-10-47 [31/52] NICKEL		
EX-4600086208	CYLINDER 86mm 38-10-38 [43/43] NICKEL		
EX-4600093208	CYLINDER 92mm 26-10-56 [31/61] NICKEL		
EX-4600100208	CYLINDER 100mm 26-10-64 [31/69] NICKEL		
EX-4600110208	CYLINDER 104mm 38-10-56 [43/61] NICKEL		
EX-4600044100	CYLINDER 110mm 50-10-50 [55/55] NICKEL		
EX-4600250208	CYLINDER 122mm 56-10-56 [61/61] NICKEL		

ELECTRIC LATCH PLATE

FUNCTION

The latch plate is permanently released upon electrical contact. Locking function is restored upon the door being opened and closed again. With hold open lever

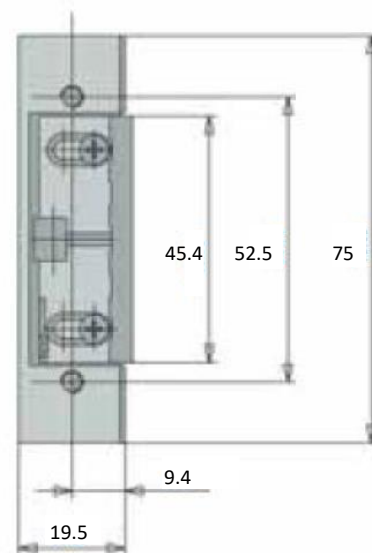
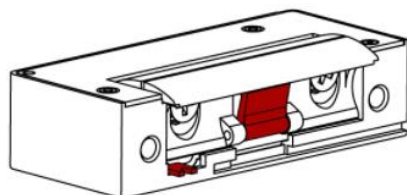
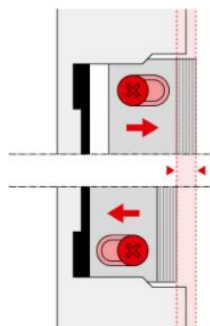
TECHNICAL FEATURES

- Fafix adjustable latch (5mm.)
- Reversible
- Hold open function
- On-off function to set the open position time
- Low core dimension for all use
- Slide, made a wedge (permanent release), make easy latch bolt released
- Power supply unified version alternate current and direct current
- Long life span 250.000 cycles
- Input from 0.5 to 0.8 A
- Power supply 6-12 V AC - DC or 24 V AC - DC
- For locks 72, 85 and 92mm backset



Fafix - adjustable latch

ON-OFF and Hold-open function



MATERIALS

- Zamak

SURFACE COATING

- No additional surface coating

CERTIFICATION

- Pressure resistance: Individual test on the latch bolt 350kg
- Alumil 5 Year Guarantee

CODES & DESCRIPTIONS

EX-4851621900

ADJUSTABLE ELECTRIC LATCH PLATE

DOOR CLOSERS

FUNCTION

Door closers of top quality for all types of doors

TECHNICAL FEATURES

	OTS140	TS1000	TS1500	TS2000	TS3000	CONCEALED
Closing power (EN1154)	2 / 3	2 / 3	3 / 4	2 / 3 / 5	1 – 4	2 – 4
Max sash width	1100mm	950mm	1100mm	1250mm	1100mm	1100mm (130kg)
Closing power adjustment	Body positioning	Arm positioning	Arm positioning	Body positioning	With dials	With dials
Main closing speed	180°- 10°	180°- 10°	180°- 10°	180°- 10°	180°- 10°	120°- 10°
Latching closing speed	-	10°- 0°	10°- 0°	10°- 0°	10°- 0°	10°- 0°
Fire door certified	No	No	No	Yes	Yes	Yes



OTS140



TS1000



TS1500



TS2000

MATERIALS

- Full metal main body
- Full metal arm / rail

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9005
- Silver powder coating RAL 9006

CERTIFICATION

- Certified according to EN 1154:2006 & A1:2002
- Durability: 500.000 cycles - Grade 8 [EN 1154:1996 + A1:2002]
- Corrosion resistance: very high - Grade 4 [EN 1670]
- No hazardous substances in the sense of the EC guidelines and REACH directive
- Alumil 5 Year Guarantee



TS3000

CONCEALED



CODES & DESCRIPTIONS

EX-4151704102 DOOR CLOSER OTS140 WITH ARM EN:2-3 (1100mm) WHITE
EX-4721704106 DOOR CLOSER OTS140 WITH ARM EN:2-3 (1100mm) BROWN
EX-4151704146 DOOR CLOSER OTS140 WITH ARM EN:2-3 (1100mm) SILVER

EX-4721195730 DOOR CLOSER TS1000 WITH ARM EN:2-3 (950mm) BLACK
EX-4726090009 DOOR CLOSER TS1000 WITH ARM EN:2-3 (950mm) SILVER
EX-4726090002 DOOR CLOSER TS1000 WITH ARM EN:2-3 (950mm) WHITE

EX-4721195750 DOOR CLOSER TS1500 EN:3-4 (1100mm) BLACK
EX-4729110011 DOOR CLOSER TS1500 EN:3-4 (1100mm) SILVER
EX-4729110002 DOOR CLOSER TS1500 EN:3-4 (1100mm) WHITE
EX-4729210003 STANDARD ARM FOR DOOR CLOSER TS1500 BLACK
EX-4729210011 STANDARD ARM FOR DOOR CLOSER TS1500 SILVER
EX-4729210002 STANDARD ARM FOR DOOR CLOSER TS1500 WHITE

EX-4721301203 DOOR CLOSER TS2000 EN:2-5 (1250mm) BLACK
EX-4722987211 DOOR CLOSER TS2000 EN:2-5 (1250mm) SILVER
EX-4721301202 DOOR CLOSER TS2000 EN:2-5 (1250mm) WHITE
EX-4724020003 STANDARD ARM FOR DOOR CLOSER TS2000 BLACK
EX-4724020011 STANDARD ARM FOR DOOR CLOSER TS2000 SILVER
EX-4724020002 STANDARD ARM FOR DOOR CLOSER TS2000 WHITE

EX-4723010003 DOOR CLOSER TS3000 EN:1-4 (1100mm) BLACK
EX-4723010011 DOOR CLOSER TS3000 EN:1-4 (1100mm) SILVER
EX-4723010002 DOOR CLOSER TS3000 EN:1-4 (1100mm) WHITE
EX-4723010103 GUIDE RAIL FOR DOOR CLOSER TS3000 BLACK
EX-4723010111 GUIDE RAIL FOR DOOR CLOSER TS3000 SILVER
EX-4723010102 GUIDE RAIL FOR DOOR CLOSER TS3000 WHITE

EX-4729972800 CONCEALED DOOR CLOSER EN:2-4 (1100mm)
EX-9100003200 GUIDE RAIL 12mm FOR CONCEALED DOOR CLOSER

DOOR WIND SEALS

FUNCTION

Drop down and threshold seals for all Alumil doors. Wind seals provide sealing from wind, dust and noise

TECHNICAL FEATURES

- Perfect fit for all Alumil door systems
- Automatic drop down seals with single (Alu-plus) and double plungers (Auto-Seal)
- Graduated scissor mechanism for hinge side drop first ensures no seal dragging
- Adjustable drop pressure for perfect insulation
- Double plunger mechanism removable from hinge side after installation
- Double plunger includes closing plug, strikers
- Double plunger can be cut up to 110mm in length
- Single plunger can be cut up to 150mm in length
- Automatic drop down seals will not seal perfectly from water
- Threshold seals for floor and door
- Floor threshold seal to be installed with silicone or screws
- Well installed floor threshold seals from fire, smoke, water, wind and noise
- Threshold can be fixed after door installation
- 15mm high threshold complies with EU standards

MATERIALS

- Extruded aluminium 6060 T6 main body
- Polyamide PA 20% glass caps
- Polyamide PA 20% glass actuators
- Galvanized plunger spring
- Self extinguishing TP seal for plungers
- Self extinguishing Silicone seal for threshold

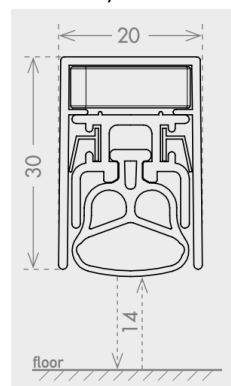
SURFACE COATING

- Aluminium mill finish for automatic drop down seals
- Silver anodized aluminium threshold
- Threshold seal and endcaps in Grey RAL 7035

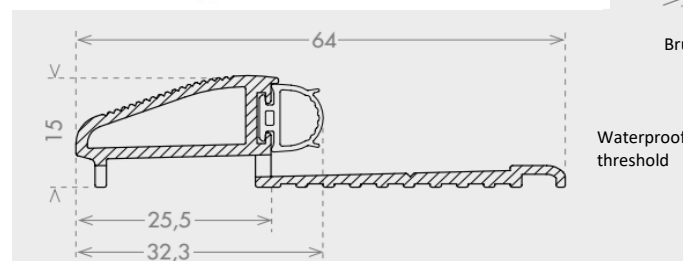
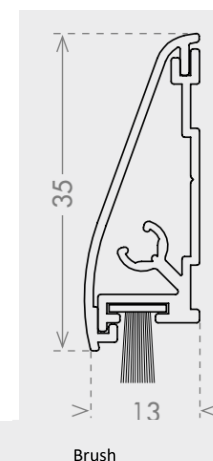
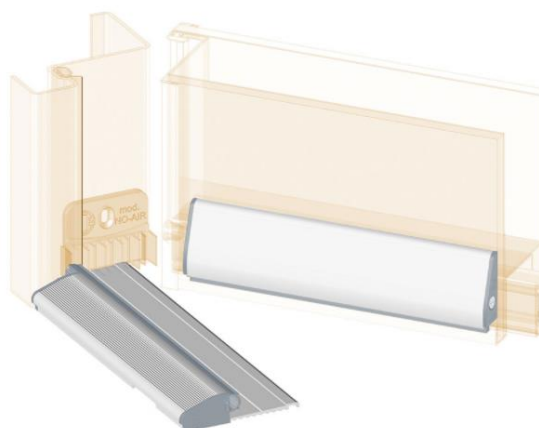
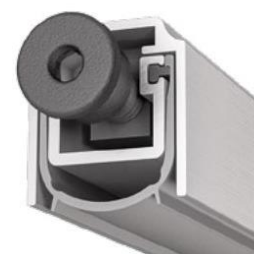
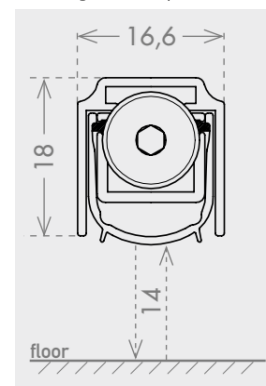
CERTIFICATION

- Acoustic sealing certification by IFT Rosenheim for automatic plungers
- Durability testing for 200.000 closing cycles
- Alumil 5 Year Guarantee

Double / Auto-seal



Single / Alu-plus



CODES & DESCRIPTIONS

EX-4710080000	AUTO-SEAL RUBBER WEATHER BARRIER L:800mm.
EX-4710090000	AUTO-SEAL RUBBER WEATHER BARRIER L:900mm.
EX-4710100000	AUTO-SEAL RUBBER WEATHER BARRIER L:1000mm.
EX-4710110000	AUTO-SEAL RUBBER WEATHER BARRIER L:1100mm.
EX-4716093000	ADJUSTABLE RUBBER WINDBREAK ALU PLUS 930MM
EX-4716103000	ADJUSTABLE RUBBER WINDBREAK ALU PLUS 1030MM
EX-4716113000	ADJUSTABLE RUBBER WINDBREAK ALU PLUS 1130MM
EX-4716200000	ACTUATOR PIVOT FOR WINDBREAK ALU PLUS BLACK
EX-4716300000	DOUBLE PLUNGER KIT FOR WINDBREAK ALU PLUS
EX-4702000002	STOP FOR SHUTTERS WHITE
EX-4702000003	STOP FOR SHUTTERS BLACK

EX-7101043000	WATERPROOF THRESHOLD ULISSE LIGHT 430MM
EX-7101073000	WATERPROOF THRESHOLD ULISSE LIGHT 730MM
EX-7101103000	WATERPROOF THRESHOLD ULISSE LIGHT 1030MM
EX-7101133000	WATERPROOF THRESHOLD ULISSE LIGHT 1330MM
EX-7101163000	WATERPROOF THRESHOLD ULISSE LIGHT 1630MM
EX-7102043000	PENSTOCK BRUSH ULISSE LIGHT 430MM
EX-7102073000	PENSTOCK BRUSH ULISSE LIGHT 730MM
EX-7102103000	PENSTOCK BRUSH ULISSE LIGHT 1030MM
EX-7102133000	PENSTOCK BRUSH ULISSE LIGHT 1330MM
EX-7102163000	PENSTOCK BRUSH ULISSE LIGHT 1630MM

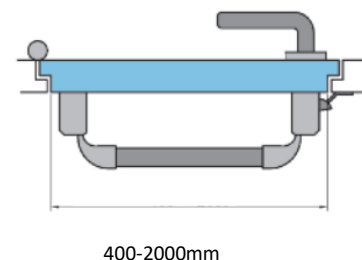
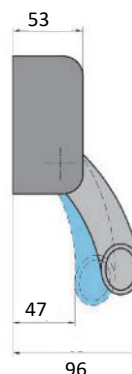
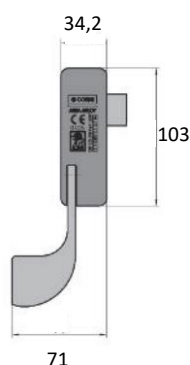
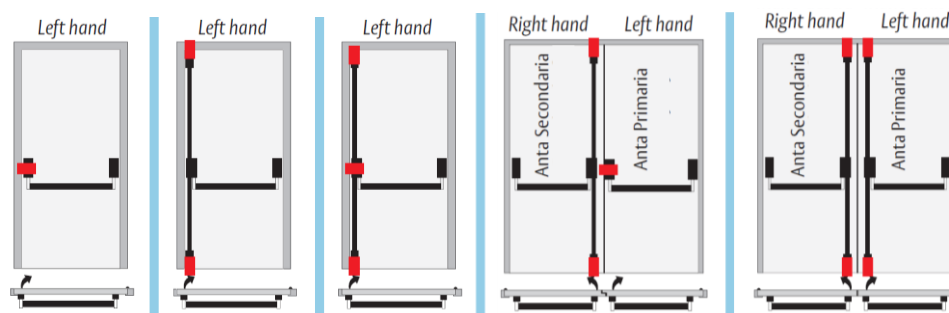
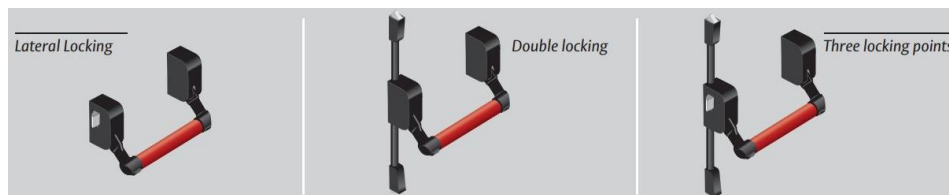
PANIC BAR MECHANISM STANDARD

FUNCTION

External application panic bar mechanism for single and double, standard and fire doors

TECHNICAL FEATURES

- Reversible for left and right doors
- Modular system for 1, 2 and 3 locking points
- Second sash locking top and bottom
- Easy to install after fabrication and installation of the sash
- Small sizes for minimal aesthetic impact
- Second sash locking
- External handle with lock available
- Vertical rods with covers



MATERIALS

- Steel bar
- Steel rods
- Zamak levers
- Steel covers

SURFACE COATING

- Black powder coating mechanism
- Silver and red bars
- Black outside handle

CERTIFICATION

- CE certified for doors on hinges or pivots with weight over 200kg, height not higher than 2520mm and width non greater than 1320mm [EN 1125]
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-4809601000	PANIC BAR MECHANISM BASIC KIT WITH CENTRAL LOCKING POINT BLACK
EX-4809601100	BAR 1200mm FOR PANIC BAR MECHANISM RED
EX-4809601200	BAR 1200mm FOR PANIC BAR MECHANISM SILVER
EX-4809601500	KIT FOR PANIC BAR MECHANISM WITH UPPER AND LOWER LOCKING POINTS BLACK
EX-4809601600	CONNECTION RODS FOR PANIC BAR MECHANISM FOR 2.4m DOOR BLACK
EX-4809601700	OUTSIDE HANDLE WITH CYLINDER FOR PANIC BAR MECHANISM BLACK

ADJUSTABLE SLAT MECHANISM FOR SHUTTERS

FUNCTION

Mechanism of rotating slats for enhanced shading

TECHNICAL FEATURES

- Rotation with lever or knob
- Perfect fit for 25 and 35mm width grooves
- 65mm shutter slat
- 5m long mechanism to be cut at the required length
- Reducer used for bottom fixed shutter slat
- Fast and easy installation
- Robust solution

MATERIALS

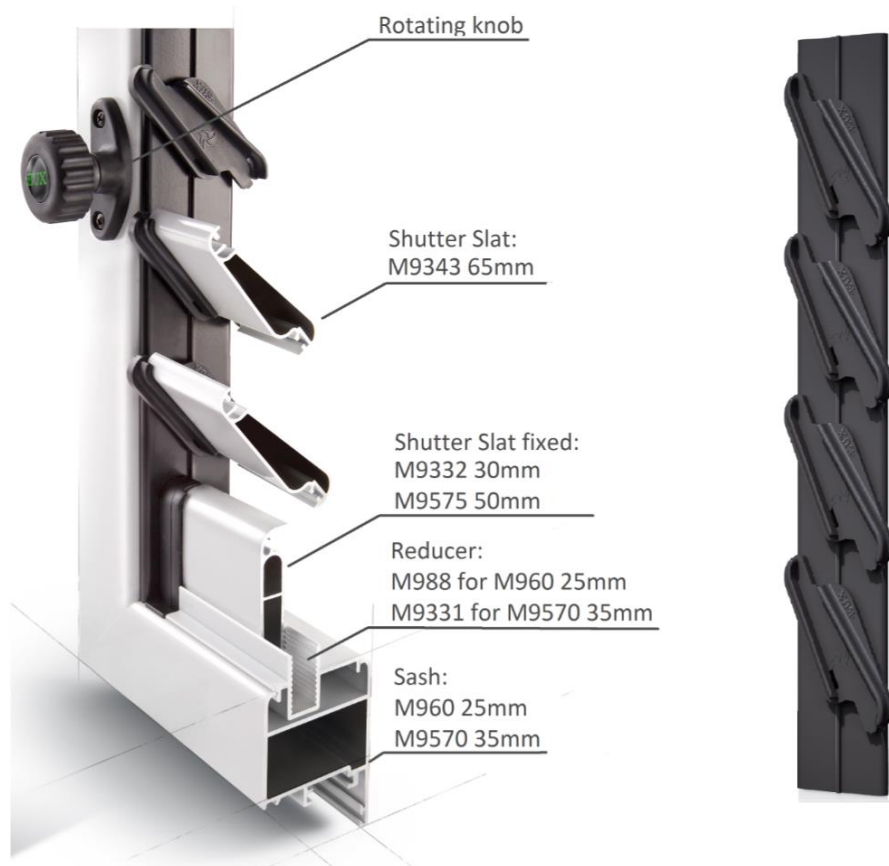
- Extruded aluminium main body
- Plastic slat fixing points
- Inox rods
- Zamak gears
- Plastic compensators

SURFACE COATING

- Black anodized main body

CERTIFICATION

- Certified according to EN 13659 EU
- ISO 9001:2008
- Alumil 5 Year Guarantee



Rotating knob
for 25mm



Rotating lever
for 25mm



Rotating knob
for 35mm



Rotating lever
for 35mm



CODES & DESCRIPTIONS

EX-4551002503	PAIR OF ADJUSTABLE SLAT MECHANISMS 5m 25mm
EX-4551022503	ROTATING KNOB FOR 25mm
EX-4551012503	ROTATING LEVER FOR 25mm
EX-4551003503	PAIR OF ADJUSTABLE SLAT MECHANISMS 5m 35mm
EX-4551023503	ROTATING KNOB FOR 35mm
EX-4551013503	ROTATING LEVER FOR 35mm

OPENING SHUTTER ACCESSORIES

FUNCTION

Shutter accessories to fit Alumil opening shutter systems

TECHNICAL FEATURES

- Perfect fit for Alumil 9400 shutter systems
- Shutter hinges in all sizes to accommodate all wall thicknesses
- Shutter hinge size refers to dimension when hinge is fully open (total wall width after the frame)
- Tested for 80kg per sash, 3 hinges to be used in large openings
- Folding shutter hinges for 3 and 4 sash typologies allows for the outer sash to fold flush on top of the inner one
- Shutter wall holders to prevent shutters from closing under wind loads
- Shutter mechanisms with external or internal rods
- Internal rod mechanism works with handle cremone
- Internal rod mechanism has flat and deep keepers available
- External rod mechanism works with lever
- Shutter mechanisms with top and bottom locking points
- Rods are cut to length

MATERIALS

- Extruded aluminium main body for hinges
- Polyamide stops
- Polyamide bushings
- Galvanized pin
- Galvanized fixings

SURFACE COATING

- White powder coating RAL 9016
- Black powder coating RAL 9005
- Mill finish / Special colors upon request

CERTIFICATION

- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-4260189302	ZAMAK KEEPER WITH SHIMS WHITE
EX-4260189303	ZAMAK KEEPER WITH SHIMS BLACK
EX-4260189500	STAINLESS STEEL DEEP KEEPER
EX-3801893800	STAINLESS STEEL FLAT KEEPER
EX-4260189200	STAINLESS STEEL ROD END STRAIGHT
EX-4261892000	STAINLESS STEEL ROD END OFF SET
EX-4261889002	CONNECTING ROD AND CASING 1400mm WHITE
EX-4261889003	CONNECTING ROD AND CASING 1400mm BLACK
EX-4261889100	CONNECTING ROD AND CASING 1000mm MILL FINISHED
EX-4261889102	CONNECTING ROD AND CASING 1000mm WHITE
EX-4261889103	CONNECTING ROD AND CASING 1000mm BLACK
EX-4260187200	GEARED SHUTTER HANDLE MILL FINISH
EX-4260187202	GEARED SHUTTER HANDLE WHITE
EX-4260187203	GEARED SHUTTER HANDLE BLACK
EX-4260802002	KIT FOR SHUTTER ROD ACCESSORIES AL800 WHITE
EX-4260802003	KIT FOR SHUTTER ROD ACCESSORIES AL800 BLACK

EX-3501010002	HINGE FOR FOLDING SHUTTER WHITE
EX-3501010003	HINGE FOR FOLDING SHUTTER BLACK
EX-3701005202	LARGE HINGE SHUTTERS EUROPEAN GROOVE 52mm WHITE
EX-3701005203	LARGE HINGE SHUTTERS EUROPEAN GROOVE 52mm BLACK
EX-3701009702	LARGE HINGE SHUTTERS EUROPEAN GROOVE 97mm WHITE
EX-3701009703	LARGE HINGE SHUTTERS EUROPEAN GROOVE 97mm BLACK
EX-3701014202	LARGE HINGE SHUTTERS EUROPEAN GROOVE 140mm WHITE
EX-3701014203	LARGE HINGE SHUTTERS EUROPEAN GROOVE 140mm BLACK
EX-3701018202	LARGE HINGE SHUTTERS EUROPEAN GROOVE 178mm WHITE
EX-3701018203	LARGE HINGE SHUTTERS EUROPEAN GROOVE 178mm BLACK
EX-3701022002	LARGE HINGE SHUTTERS EUROPEAN GROOVE 220mm WHITE
EX-3701022003	LARGE HINGE SHUTTERS EUROPEAN GROOVE 220mm BLACK

LINEAR MOTORS

FUNCTION

Electric linear motors for multiple interior and exterior uses

TECHNICAL FEATURES

RACK

VOLTAGE SUPPLY	230 Vca \pm 10%
ELECTRIC CONNECTION	3 wires + earth
FORCE IN PUSH/PULL ACTION	650 N / 350N
STROKE	350 mm
SPEED	\sim 8 mm/s
CURRENT ABSORPTION (max load)	0.1 A
PARALLEL CONNECTION	YES
LIMIT STOP	electronic
SAFETY STOP	electronic
PROTECTION CLASS	IP 55
COLOUR	silver anodized

ULYSSES

VOLTAGE SUPPLY	24 Vcc \pm 10%
ELECTRIC CONNECTION	2 wires
OPERATION	by polarity inversion
STROKE	180mm
FORCE (in push and pull action)	650 N
SPEED	6 mm/s
CURRENT ABSORPTION (max load)	\sim 1 A
PARALLEL CONNECTION	YES
LIMIT STOP	electronic
SAFETY STOP	electronic
PROTECTION CLASS	IP 65

FORCE

VOLTAGE SUPPLY	24 Vcc \pm 10%
ELECTRIC CONNECTION	2 wires
OPERATION	by polarity inversion
STROKE	500mm
FORCE (in push and pull action)	1000 N
SPEED	\sim 6 mm/s
CURRENT ABSORPTION (max load)	\sim 1,4 A
PARALLEL CONNECTION	YES
LIMIT STOP	electronic
SAFETY STOP	electronic
PROTECTION CLASS	IP 65

MATERIALS

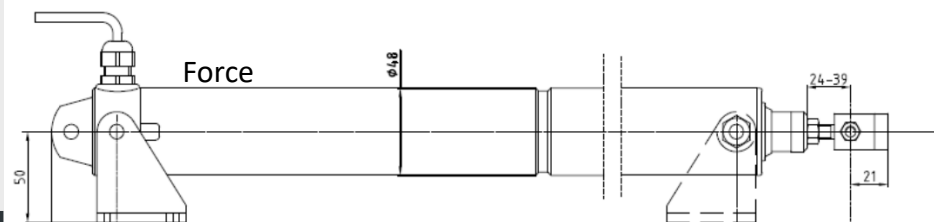
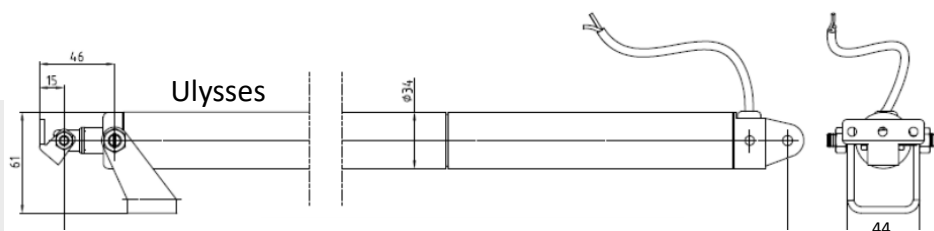
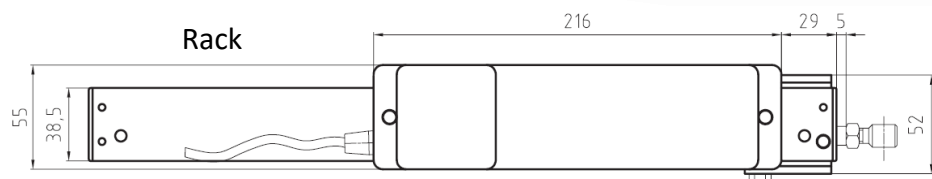
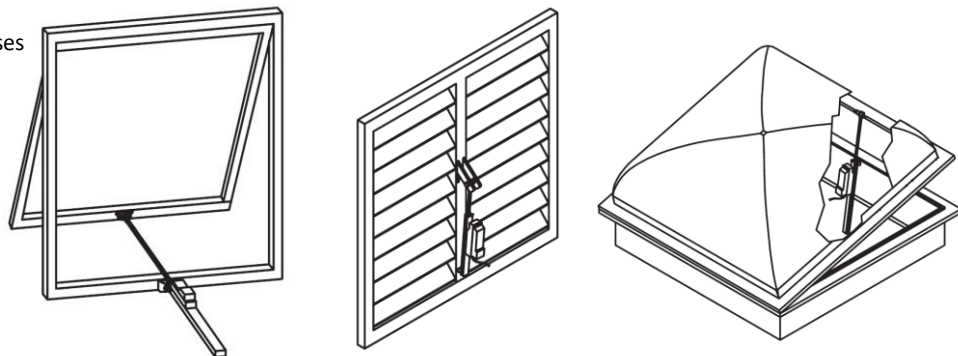
- Full metal / aluminium body
- 10mm square metal rack

SURFACE COATING

- Silver anodized

CERTIFICATION

- TÜV NUM: KH 00.1.2 (RACK)
- Smoke and heat extraction UNI EN 12101-2 (RACK)
- Institute Giordano Approved
- CE 2004/108
- Alumil 2 Year Guarantee (as electrical part)



CODES & DESCRIPTIONS

EX-4254021100	ELECTRIC LINEAR ACTUATOR RACK 230V 650N IN 350N OUT 350mm STROKE
EX-4254101302	DOUBLE FLUSH SWITCH FOR 230V MOTORS WHITE
EX-4254176700	ELECTRIC LINEAR SPINDLE ACTUATOR ULYSSES 24VDC 650N 180mm STROKE OUTDOOR USE SILVER ANODISED
EX-4724020411	ELECTRIC LINEAR SPINDLE ACTUATOR FORCE 24VDC 1000N 500mm STROKE
EX-4724020500	REDUCING STROKE KIT FOR LINEAR MOTOR FORCE
EX-4253569700	LOW MOUNT FOR LINEAR MOTOR ULYSSES
EX-4254055800	FLUSH BIPOLAR PUSH BUTTON FOR LINEAR MOTORS ULYSSES / FORCE 24V
EX-4254077500	POWER SUPPLY 24V DC, MAX 3A 199x99x50mm FOR LINEAR MOTORS ULYSSES / FORCE
EX-4350010000	WIRELESS KIT FOR LINEAR MOTORS ULYSSES / FORCE (CHIP + 2 REMOTES)

CHAIN ACTUATORS

FUNCTION

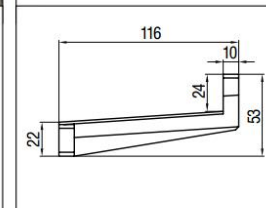
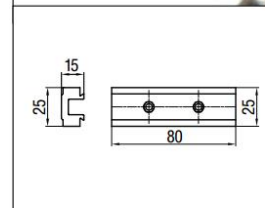
Electric chain actuator for opening, top hung and bottom hung windows in hard to reach interior areas

TECHNICAL FEATURES

- Two selectable strokes: 250 and 380mm
- Three dovetail slides for an easy installation; the sliding bracket is included in the package
- Special removable plug allows a very quick and easy connection
- For installation on top hinged windows select the 250mm
- Minimum window height: 500mm with 250mm stroke, 800mm with 380mm stroke



VOLTAGE SUPPLY	230 Vca \pm 10%
ELECTRIC CONNECTION	3 wires + earth
STROKE	selectable 250/380mm
FORCE IN PUSH ACTION (stroke)	80 N (250mm) - 90 N (380mm)
FORCE IN PULL ACTION	300 N
SPEED	~40 mm/s
CURRENT ABSORPTION (with max load)	0.65 A
PARALLEL CONNECTION	YES
LIMIT STOP	micro switches
SAFETY STOP	thermic
FEEDBACK SIGNAL	close
PROTECTION CLASS	IP 20



Sliding plastic fixing bracket (included)

Bottom hinged window plastic bracket

MATERIALS

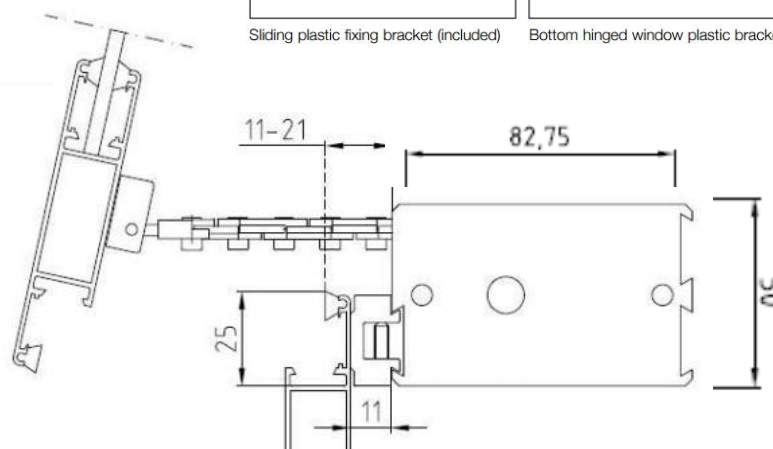
- Full metal body

SURFACE COATING

- White powder coating RAL 9010
- Black anodized
- Silver anodized

CERTIFICATION

- Alumil 2 Year Guarantee (as electrical part)



CODES & DESCRIPTIONS

EX-4254031600	ELECTRIC CHAIN ACTUATOR 230V BOTTOM/TOP HUNG 250/380mm STROKE WHITE
EX-4254031403	ELECTRIC CHAIN ACTUATOR 230V BOTTOM/TOP HUNG 250/380mm STROKE BLACK ANODIZED
EX-4254031300	ELECTRIC CHAIN ACTUATOR 230V BOTTOM/TOP HUNG 250/380mm STROKE SILVER ANODIZED
EX-4253666500	PLASTIC MOUNTING ACCESSORY FOR ELECTRIC CHAIN ACTUATOR 230V
EX-4254101302	DOUBLE FLUSH SWITCH FOR 230V MOTORS WHITE

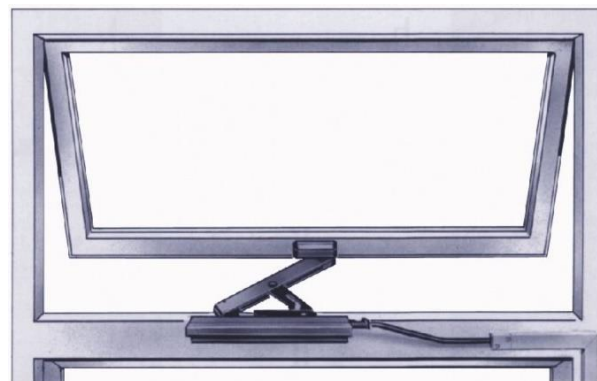
MANUAL SKYLIGHT MECHANISM

FUNCTION

Manual skylight mechanism for inwards and outwards opening windows

TECHNICAL FEATURES

- Lever mechanism
 - Opening width of 170 mm
 - Easy to use with large lever mechanism to ensure sturdy closing
 - Easy installation: scissors and rods can be installed from the front
 - Secure casement locking due to locking integrated in scissors
 - Convenient window cleaning from inside and outside due to easy scissor disengagement
 - Projecting and tilting windows
- Hopper mechanism
 - Suitable for single bottom hinged windows up to 1.5m width
 - Quick and easy installation. The conduit preparation tool is not required.
 - Maximum opening 250mm; the kit is provided with already cut spent travel tube
 - The small section of the conduit allows only 50mm radius bend: it is usually possible to install the conduit on the window frame
- Crank mechanism
 - Suitable for operating skylights and domes up to 2000N weight
 - Maximum stroke 310mm
 - Complete bracket set included
 - Operation by crank handle



Lever mechanism



Hopper mechanism



Crank mechanism

MATERIALS

- Galvanized rod
- PVC coating

SURFACE COATING

- White RAL 9016
- Black
- Silver

CERTIFICATION

- Burglary resistant locking certified by SKG
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-4251659100	GALVANIZED ROD 8mm FOR LEVER SKYLIGHT MECHANISM L=3000mm	EX-4254016602	MANUAL HOPPER SKYLIGHT MECHANISM L:3000mm WHITE
EX-4253037300	MANUAL STAY ARM FOR LEVER SKYLIGHT MECHANISM SILVER	EX-4254016702	MANUAL HOPPER SKYLIGHT MECHANISM L:4500mm WHITE
EX-4253037702	MANUAL STAY ARM FOR LEVER SKYLIGHT MECHANISM WHITE	EX-4254016802	MANUAL HOPPER SKYLIGHT MECHANISM L:6000mm WHITE
EX-4257450903	MANUAL STAY ARM FOR LEVER SKYLIGHT MECHANISM BLACK	EX-4254017103	MANUAL HOPPER SKYLIGHT MECHANISM L:3000mm BLACK
EX-4253040002	COVER PROFILE FOR LEVER SKYLIGHT MECHANISM L=3000mm WHITE	EX-4254017203	MANUAL HOPPER SKYLIGHT MECHANISM L:4500mm BLACK
EX-4257453903	COVER PROFILE FOR LEVER SKYLIGHT MECHANISM L=3000mm BLACK	EX-4254017303	MANUAL HOPPER SKYLIGHT MECHANISM L:6000mm BLACK
EX-4253039609	COVER PROFILE FOR LEVER SKYLIGHT MECHANISM L=3000mm SILVER		
EX-4253061100	HANDLE & CORNER TRANSMISSION FOR LEVER SKYLIGHT MECHANISM SILVER	EX-4253724300	MANUAL CRANK SKYLIGHT MECHANISM 2000N 310mm STROKE
EX-4253061502	HANDLE & CORNER TRANSMISSION FOR LEVER SKYLIGHT MECHANISM WHITE	EX-4253724400	CRANK FOR MANUAL SKYLIGHT MECHANISM L:1500mm
EX-4257794503	HANDLE & CORNER TRANSMISSION FOR LEVER SKYLIGHT MECHANISM BLACK	EX-4254000300	CRANK FOR MANUAL SKYLIGHT MECHANISM L:3000mm

PILE SEALS

FUNCTION

Brush pile seals for air, water and dust sealing for all sliding systems

TECHNICAL FEATURES

- Silent fin technology for smooth operation and easy sliding
- Excellent water and air sealing
- Fully boxed and easy to use roll packaging
- Available in regular brush, brush with membrane and triple fin brush editions to meet any given requirement
- High quality production with standardized sizes for easy insertion to profile
- Back width 6.9mm and 0.75mm thickness
- 4p brush width 2.9mm (2.60-3.20mm)
- 5p brush width 2.5mm (2.35-2.65mm)

MATERIALS

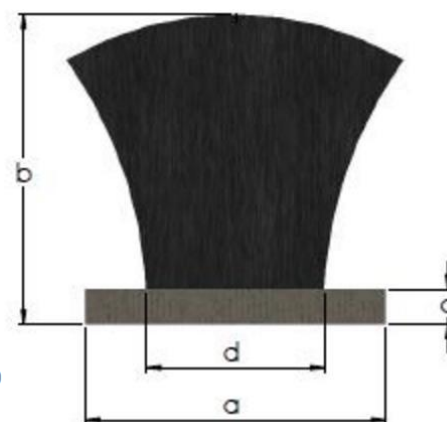
- 100% polypropylene pile seals

SURFACE COATING

- White, grey and black color is part of raw material
- No additional surface coating is applied

CERTIFICATION

- Class A4 air-tightness: UNE-EN 12207:2000
- EU Standards and AAMA 701/702-04 Class A
- Water proof and UV resistant
- ISO 9001 quality standards
- Alumil extended 10 Year Guarantee (standard 5 years)



b PILE HEIGHT

+ 0,25 mm – 0,15 mm

If the height of the pile is superior to 6,50

+ 4% -2,5%

CODES & DESCRIPTIONS

EX-6206910404	BRUSH PILE SEAL 4mm 4P GREY	EX-6206930603	TRI-FIN BRUSH PILE SEAL 6mm 5P QF BLACK
EX-6206910503	BRUSH PILE SEAL 5mm 4P BLACK	EX-6206930604	TRI-FIN BRUSH PILE SEAL 6mm 5P QF GREY
EX-6206910504	BRUSH PILE SEAL 5mm 4P GREY	EX-6206930703	TRI-FIN BRUSH PILE SEAL 7mm 5P QF BLACK
EX-6206910602	BRUSH PILE SEAL 6mm 4P WHITE	EX-6206930704	TRI-FIN BRUSH PILE SEAL 7mm 5P QF GREY
EX-6206910603	BRUSH PILE SEAL 6mm 4P BLACK	EX-6206930803	TRI-FIN BRUSH PILE SEAL 8mm 5P QF BLACK
EX-6206910604	BRUSH PILE SEAL 6mm 4P GREY	EX-6206930804	TRI-FIN BRUSH PILE SEAL 8mm 5P QF GREY
EX-6206910702	BRUSH PILE SEAL 7mm 4P WHITE	EX-6206930903	TRI-FIN BRUSH PILE SEAL 9mm 5P QF BLACK
EX-6206910703	BRUSH PILE SEAL 7mm 4P BLACK	EX-6206930904	TRI-FIN BRUSH PILE SEAL 9mm 5P QF GREY
EX-6206910704	BRUSH PILE SEAL 7mm 4P GREY	EX-6206931003	TRI-FIN BRUSH PILE SEAL 10mm 5P QF BLACK
EX-6206910802	BRUSH PILE SEAL 8mm 4P WHITE	EX-6206931004	TRI-FIN BRUSH PILE SEAL 10mm 5P QF GREY
EX-6206910803	BRUSH PILE SEAL 8mm 4P BLACK		
EX-6206910804	BRUSH PILE SEAL 8mm 4P GREY	EX-6200340603	MEMBRANE BRUSH PILE SEAL 6mm 4P BLACK
EX-6206910002	BRUSH PILE SEAL 10mm 4P WHITE	EX-6200340604	MEMBRANE BRUSH PILE SEAL 6mm 4P GREY
EX-6206910003	BRUSH PILE SEAL 10mm 4P BLACK	EX-6200340703	MEMBRANE BRUSH PILE SEAL 7mm 4P BLACK
EX-6206910004	BRUSH PILE SEAL 10mm 4P GREY	EX-6200340704	MEMBRANE BRUSH PILE SEAL 7mm 4P GREY
EX-6206911203	BRUSH PILE SEAL 12mm 4P BLACK		
EX-6206911204	BRUSH PILE SEAL 12mm 4P GREY		
EX-6206911802	BRUSH PILE SEAL 18mm 4P WHITE		
EX-6206911803	BRUSH PILE SEAL 18mm 4P BLACK		
EX-6206911804	BRUSH PILE SEAL 18mm 4P GREY		

ALUMIL ROLLERS

FUNCTION

Aluminium and plastic rollers for all Alumil sliding systems

TECHNICAL FEATURES

- Perfect fit for Alumil sliding systems
- Single and double wheel rollers
- Quick and easy installation
- Installation with screw or fixing plate
- Designed to achieve maximum adjustment
- One-man adjustment with sash on frame
- Special composite wheel cover for smooth and silent operation
- In cases brush installed for guide rail cleaning
- Side to side self adjusting wheel

MATERIALS

- Extruded aluminium or polyamide main body
- Galvanized pins and screws
- Special polymer wheels

SURFACE COATING

- Not treated (standard aluminum or black polyamide)

CERTIFICATION

- Durability:
 - Grade 3 - 10.000 test cycles [EN 13126.15]
 - EX-6002565000 at 130kg
 - Grade 4 - 15.000 test cycles [EN 13126.15]
 - INT-6000044000 at 90kg
 - Grade 5 - 25.000 test cycles [EN 13126.15]
 - EX-6000214000 at 100kg
 - EX-6000230400 at 45kg
 - EX-6000210100 at 45kg
 - EX-6000235000 at 100kg
 - EX-6001200000 at 100kg
 - EX-6001460000 at 100kg
 - EX-6000120100 at 22kg
 - EX-6000255000 at 70kg
 - Ongoing tests for other articles
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-6000120100	ROLLER ALUMINIUM SINGLE WITH PLATE M9000 & M9200	EX-6000210100	ROLLER PLASTIC DOUBLE M9000, M9200, M900, M9050
EX-6000230400	ROLLER ALUMINIUM DOUBLE WITH PLATE M9000 & M9200	EX-6000220600	ROLLER PLASTIC SINGLE M9028
EX-6000255000	ROLLER ALUMINIUM DOUBLE S450	EX-6000110100	ROLLER PLASTIC SINGLE M900
EX-6000114000	ROLLER ALUMINIUM SINGLE WITH PLATE M12000 & M14000	EX-6002900800	ROLLER PLASTIC SINGLE M9008
EX-6000214000	ROLLER ALUMINIUM DOUBLE WITH PLATE M12000 & M14000	EX-6000235000	ROLLER PLASTIC DOUBLE S350
EX-6001200000	ROLLER ALUMINIUM DOUBLE M12500	INT-6000044000	ROLLER PLASTIC DOUBLE S440
EX-6000185000	ROLLER ALUMINIUM SINGLE M868		
EX-6001460000	ROLLER ALUMINIUM DOUBLE M14600	EX-6002565000	SET 4 PCS ROLLERS ALUMINIUM DOUBLE S650
EX-6000207000	ROLLER ALUMINIUM DOUBLE WITH PLATE M9242		
INT-6000273700	ROLLER ALUMINIUM DOUBLE S70737		

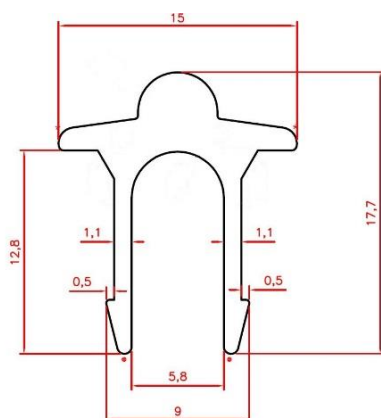
ALUMIL INOX GUIDE RAILS

FUNCTION

Alumil guide rails for efficient and smooth sliding of sashes

TECHNICAL FEATURES

- Specially designed to remain clean from dust, dirt, etc.
- Stainless steel and anodized aluminium ensure no rusting in a wide range of environmental conditions
- Heavy duty guide rail prevents dents under extreme load
- Heavy duty guide rail in AISI 316 L stainless which can be welded for big openings
- Anodized aluminum guide rail for color matching and extra smooth surface finish



EX-6604401200

MATERIALS

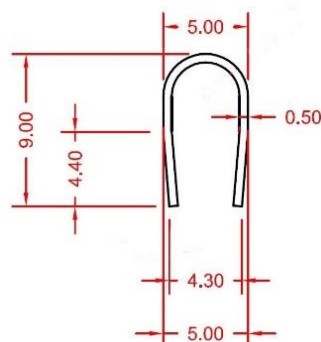
- Stainless steel AISI 316 L
- Stainless steel AISI 304
- Anodized extruded aluminum

SURFACE COATING

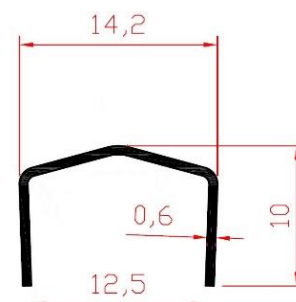
- No coating can be applied on stainless guide rails
- Anodization on aluminum rails

CERTIFICATION

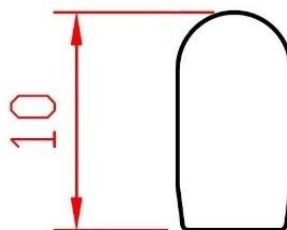
- Tested along with rollers for 100.000 cycles / 250kg
- Raw material certifications upon request
- Alumil 5 Year Guarantee



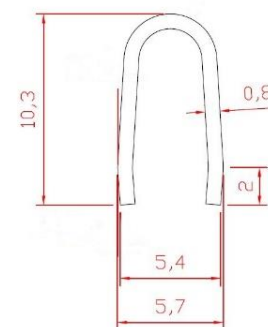
EX-6601214000



EX-6600905000



EX-6600061300



EX-6600045000

CODES & DESCRIPTIONS

EX-6600045000	INOX GUIDE RAIL S450, S350, S560, M12500, M14000 3,5m
EX-6600045001	INOX GUIDE RAIL S450, S350, S560, M12500, M14000 6m
EX-6600061300	INOX GUIDE RAIL HEAVY DUTY S700, S650, SF85 6m
EX-6600905000	INOX GUIDE RAIL M9050 3,5m
EX-6601214000	INOX GUIDE RAIL M12000 3,5m
EX-6604401200	ALUMINUM GUIDE RAIL S440

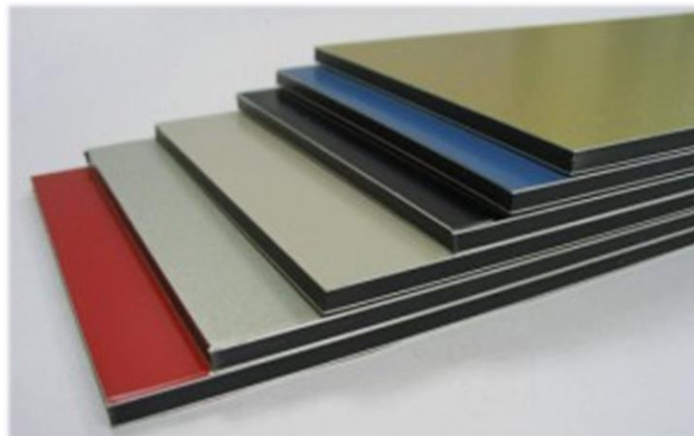
ALUMIL J-BOND ALUMINIUM COMPOSITE PANELS

FUNCTION

Aluminium composite panels for facades and various exterior and interior uses

TECHNICAL FEATURES

- Light weight and flat surface product easy to work with, to drill, cut and bend
- Provides sound insulation and it is durable in weather conditions, erosion, deterioration, pollution, fire and water
- Exceptional resistance in acids and alkaline
- Simple maintenance
- Environment friendly as a recycling material
- High quality production ensures excellent bonding and quality
- Long term sample testing from every production
- Panels covered with easy to peel protective layer
- Standard dimensions 1.25x3.2m and 1.5x3.2m
- All standard colors kept in stock ready to ship



MATERIALS

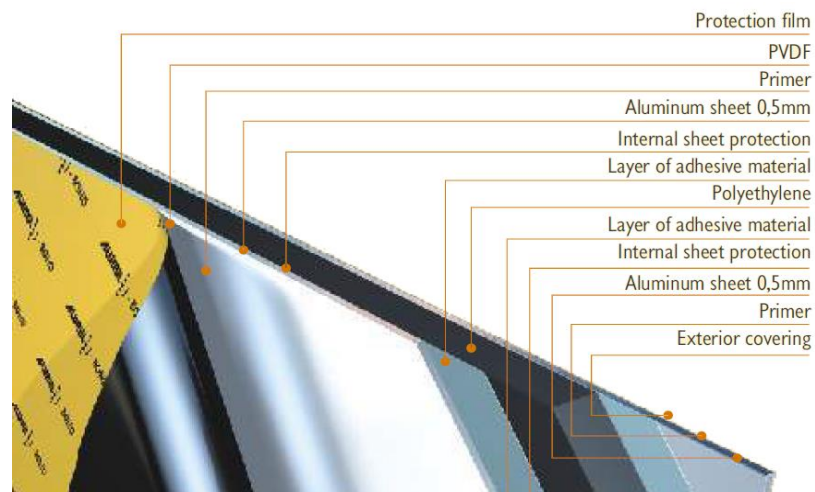
- PVdF resin paint
- 4mm polyethylene core
- 0.5mm aluminium cover on both sides

SURFACE COATING

- All PVdF resin painted colors
- Standard RAL colors and Metallic colors
- Pre-painted certified and guaranteed aluminium sheets

CERTIFICATION

- 10 Year color peel off Guarantee
- 10 Year bonding Guarantee
- SBI test according to DIN EN 13823
- Fully certified, top quality raw materials



CODES & DESCRIPTIONS

EX-7640125002	J-BOND 4x1250x3200mm RAL9016 - WHITE
EX-7640125003	J-BOND 4x1250x3200mm RAL9005 - BLACK
EX-7640125035	J-BOND 4x1250x3200mm RAL3020 - RED
EX-7640125031	J-BOND 4x1250x3200mm RAL5010 - BLUE
EX-7640125034	J-BOND 4x1250x3200mm RAL1015 - BEIGE
EX-7640125048	J-BOND 4x1250x3200mm SMOKEY SILVER
EX-7640125046	J-BOND 4x1250x3200mm GREY METALLIC
EX-7640125020	J-BOND 4x1250x3200mm SILVER METALLIC
EX-7640125028	J-BOND 4x1250x3200mm CHAMPAGNE METALLIC
EX-7640125050	J-BOND 4x1250x3200mm RAL7016 - GREY

EX-7640150002	J-BOND 4x1500x3200mm RAL9016 - WHITE
EX-7640150020	J-BOND 4x1500x3200mm SILVER METALLIC
EX-7640150046	J-BOND 4x1500x3200mm GREY METALLIC

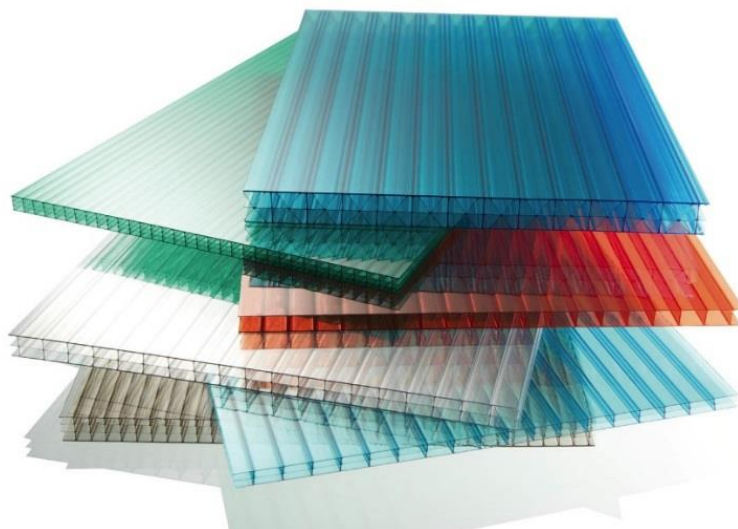
ALUMIL POLYCARBONATE SHEETS

FUNCTION

Multi use building material for interior and exterior use

TECHNICAL FEATURES

- Available in multi-wall and solid sheets
- Available in custom dimensions to minimize excess
- 4, 6, 8, 10, 16, 20, 25, 32, 40mm for multi-wall
- 2, 3, 4, 5, 6, 8, 10mm for solid sheets
- Lightweight, no-brake, heat insulating, sound insulating, UV protected
- Perfect for atriums, sound barriers, kiosks, space separation
- Dust repelling, easy to clean
- Fully tested and calculated for solar heat gains
- Light transmission, shading coefficient, thermal expansion
- 2 types available (Polybat, Polycarb)



MATERIALS

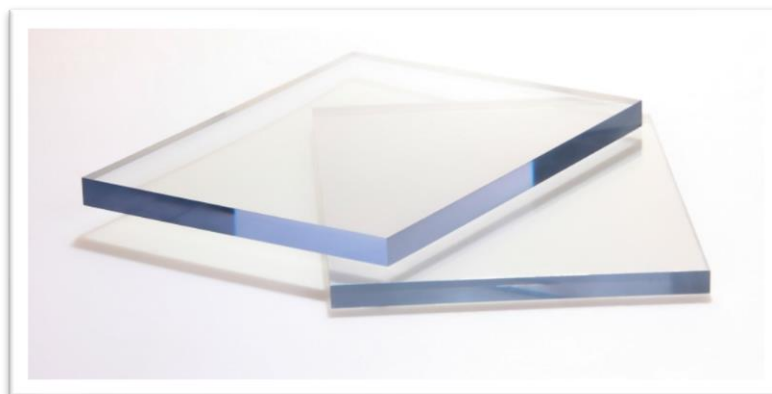
- Polycarbonate
- UV resistant top side (indicated)
- Double UV resistant side upon request

SURFACE COATING

- Color is part of the raw material
- Colors for multiwall: clear, white, green, blue, bronze
- Colors for solid: opal, clear, bronze
- Easy peel protective film on all surfaces

CERTIFICATION

- Leed USGBC LEED-NC v2.2 credits
- Class A fire reaction ASTM E-84
- Alumil 10 Year Guarantee on Polycarb
- Alumil 5 Year Guarantee on Polybat



CODES & DESCRIPTIONS

EX-7710262030	SOLID POLYCARBONATE SHEET 2X2050X6100 CLEAR	EX-7740420000	EUROCARB 4X6000X2100mm 2 WALL CLEAR	EX-7741036000	EUROCARB 10X6000X2100mm 3 WALL REFLECTIVE
EX-7710262031	SOLID POLYCARBONATE SHEET 2X2050X6100 OPAL	EX-7740421000	EUROCARB 4X6000X2100mm 2 WALL WHITE	EX-7741037000	EUROCARB 10X6000X2100mm 3 WALL GREY
EX-7710262032	SOLID POLYCARBONATE SHEET 2X2050X6100 BRONZE	EX-7740422000	EUROCARB 4X6000X2100mm 2 WALL BRONZE	EX-7741651000	EUROCARB SHEET RDC 16x6000x2100mm 5 WALL CLEAR
EX-7710362130	SOLID POLYCARBONATE SHEET 3X2050X6100 CLEAR	EX-7740423000	EUROCARB 4X6000X2100mm 2 WALL BLUE	EX-7741651100	EUROCARB SHEET RDC 16x6000x2100mm 5 WALL OPAL
EX-7710362131	SOLID POLYCARBONATE SHEET 3X2050X6100 OPAL	EX-7740424000	EUROCARB 4X6000X2100mm 2 WALL GREEN	EX-7741651200	EUROCARB SHEET RDC 16x6000x2100mm 5 WALL BRONZE
EX-7710362132	SOLID POLYCARBONATE SHEET 3X2050X6100 BRONZE	EX-7740620000	EUROCARB 6X6000X2100mm 2 WALL CLEAR	EX-7741651300	EUROCARB SHEET RDC 16x6000x2100mm 5 WALL BLUE
EX-7710462230	SOLID POLYCARBONATE SHEET 4X2050X6100 CLEAR	EX-7740621000	EUROCARB 6X6000X2100mm 2 WALL WHITE	EX-7741651400	EUROCARB SHEET RDC 16x6000x2100mm 5 WALL GREEN
EX-7710462231	SOLID POLYCARBONATE SHEET 4X2050X6100 OPAL	EX-7740622000	EUROCARB 6X6000X2100mm 2 WALL BRONZE	EX-7741651500	EUROCARB SHEET RDC 16x6000x2100mm 5 WALL REFLECTING
EX-7710462232	SOLID POLYCARBONATE SHEET 4X2050X6100 BRONZE	EX-7740623000	EUROCARB 6X6000X2100mm 2 WALL BLUE	EX-7742051000	EUROCARB SHEET RDC 20X6000X2100mm 5 WALL CRYSTAL
EX-7710562030	SOLID POLYCARBONATE SHEET 5X2050X6100 CLEAR	EX-7740624000	EUROCARB 6X6000X2100mm 2 WALL GREEN	EX-7742051100	EUROCARB SHEET RDC 20X6000X2100mm 5 WALL OPAL
EX-7710562031	SOLID POLYCARBONATE SHEET 5X2050X6100 OPAL	EX-7740830000	EUROCARB 8X6000X2100mm 3 WALL CLEAR	EX-7742051200	EUROCARB SHEET RDC 20X6000X2100mm 5 WALL BRONZE
EX-7710562032	SOLID POLYCARBONATE SHEET 5X2050X6100 BRONZE	EX-7740831000	EUROCARB 8X6000X2100mm 3 WALL WHITE	EX-7742051300	EUROCARB SHEET RDC 20X6000X2100mm 5 WALL BLUE
EX-7710662030	SOLID POLYCARBONATE SHEET 6X2050X6100 CLEAR	EX-7740832000	EUROCARB 8X6000X2100mm 3 WALL BRONZE	EX-7742051400	EUROCARB SHEET RDC 20X6000X2100mm 5 WALL GREEN
EX-7710662031	SOLID POLYCARBONATE SHEET 6X2050X6100 OPAL	EX-7740833000	EUROCARB 8X6000X2100mm 3 WALL BLUE	EX-7742051500	EUROCARB SHEET RDC 20X6000X2100mm 5 WALL REFLECTING
EX-7710662032	SOLID POLYCARBONATE SHEET 6X2050X6100 BRONZE	EX-7740834000	EUROCARB 8X6000X2100mm 3 WALL GREEN	EX-7742551000	EUROCARB SHEET RDC 25X6000X2100mm 5 WALL CRYSTAL
EX-7710862030	SOLID POLYCARBONATE SHEET 8X2050X6100 CLEAR	EX-7741030000	EUROCARB 10X6000X2100mm 3 WALL CLEAR	EX-7742551100	EUROCARB SHEET RDC 25X6000X2100mm 5 WALL OPAL
EX-7710862031	SOLID POLYCARBONATE SHEET 8X2050X6100 OPAL	EX-7741031000	EUROCARB 10X6000X2100mm 3 WALL WHITE	EX-7742551200	EUROCARB SHEET RDC 25X6000X2100mm 5 WALL BRONZE
EX-7710862032	SOLID POLYCARBONATE SHEET 8X2050X6100 BRONZE	EX-7741032000	EUROCARB 10X6000X2100mm 3 WALL BRONZE	EX-7742551300	EUROCARB SHEET RDC 25X6000X2100mm 5 WALL BLUE
EX-771062030	SOLID POLYCARBONATE SHEET 10X2050X6100 CLEAR	EX-7741033000	EUROCARB 10X6000X2100mm 3 WALL BLUE	EX-7742551400	EUROCARB SHEET RDC 25X6000X2100mm 5 WALL GREEN
EX-771062031	SOLID POLYCARBONATE SHEET 10X2050X6100 OPAL	EX-7741034000	EUROCARB 10X6000X2100mm 3 WALL GREEN	EX-7742551500	EUROCARB SHEET RDC 25X6000X2100mm 5 WALL REFLECTING
EX-771062032	SOLID POLYCARBONATE SHEET 10X2050X6100 BRONZE	EX-7746208800	POLYBAT 6X6000X2100mm 2 WALL CLEAR	EX-7740308800	POLYBAT 10X6000X2100mm 3 WALL CLEAR
		EX-7746218800	POLYBAT 6X6000X2100mm 2 WALL WHITE	EX-7740318800	POLYBAT 10X6000X2100mm 3 WALL WHITE
		EX-7746228800	POLYBAT 6X6000X2100mm 2 WALL BRONZE	EX-7740328800	POLYBAT 10X6000X2100mm 3 WALL BRONZE

ALUMIL SEALANTS & ADHESIVES

FUNCTION

Top quality materials for complete fabrication and installation of Alumil Systems

TECHNICAL FEATURES

- According to the application, the correct product should always be used in order to achieve high quality and long lasting results
- All products have to be used during their shelf-life to achieve proper results
- Acrylic putty to be used for interior applications. Application in extreme temperatures may effect the setting time and overall appearance (cracking). Can be painted
- Acetic silicone is appropriate for gluing and sealing. While setting a 5% volume shrinkage will occur. It should always be applied on clean and dry surfaces. Cannot be painted
- Neutral silicone is ideal for aluminium construction. No smell allows indoor applications, excellent gluing and sealing properties without shrinkage while setting. Cannot be painted
- PU sealant is a hybrid between acrylic putty and silicone. It is ideal for aluminum systems as it offers excellent bonding and elasticity. It does not shrink when setting. It may be used for gaps between wall and window as well as 45° cut sealing. It slightly expands for a perfect seal. Can be painted
- PU foam offers good insulation and stability between the structures. Mechanical fixing should always be used, as expanding foam may interfere with the leveling of the frame. PU foam cleaning spray is available
- The Alumil cleaning agent is formulated in order not to corrode aluminum paint and anodizing. It may be used for PU sealant, silicone, acrylic putty and glue residues as well as cutting oils and pen markings
- Crimp corner glue is PU based and sets with humidity. Corners should always be sprayed with a mist of water to help the glue set. It expands slightly when setting. Corner crimp glue can also be used in other applications since it offers excellent bonding strength with limited elasticity
- All 280ml cartridges are used with standard caulking guns
- Two component adhesive-silicone for fast setting for demanding applications. Allows quick transportation of the sashes as it drastically decreases setting time

MATERIALS

- Full material analysis upon request

SURFACE COATING

- Special colors upon request with MOQs

CERTIFICATION

- Please consider the due date
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

EX-7707121102	ACRYLIC SEALANT WHITE PUTTY 280ML CARTRIDGE
EX-7707121202	ACRYLIC SEALANT WHITE PUTTY 600ML SAUSAGE
EX-7707111402	WHITE SILICONE ACETIC NON FUGAL 280ML CARTRIDGE ALUMIL
EX-7707111400	CLEAR SILICONE ACETIC NON FUGAL 280ML CARTRIDGE ALUMIL
EX-7700200105	CLEAR SILICONE NEUTRAL 280ML CARTRIDGE ALUMIL
EX-7701310000	CORNER CRIMP PU GLUE ALUMIL 280ML CARTRIDGE
EX-7707130502	JOINT SEALANT PU 280ML CARTRIDGE WHITE ALUMIL
EX-7700000100	LOW EXPANSION PU FOAM 750ML ALUMIL
EX-7707100001	PU FOAM CLEANING SRAY 500ML
EX-7709001300	ONE COMPONENT GLUE 1000ML/1500GR IN PVC CARTRIDGE
EX-7707100000	ALU CLEANER 1LT ALUMIL
INT-7700939900	TWO COMPONENT FAST SETTING ADHESIVE SILICONE 400ML CARTRIDGE
EX-7709001200	FAST CURING CYANOACRYLIC ADHESIVE CA 5 VL FOR GASKETS

SHELF LIFE (MONTHS)

18
18
12
12
12
12
12
12
36
9
-
9
9

ALUMIL SYSTEM SCREWS

FUNCTION

Screws for certified fabrication of Alumil systems

TECHNICAL FEATURES

- Philips (Standard Cross) Head on all screws
- All Alumil systems are certified with Alumil screws
- A2 stainless screws do not contaminate the aluminium and are highly resistant to corrossions
- Galvanized screws are stronger and more elastic
- Self drilling screws allow for faster application but only single layered fixing is possible
- Tapping screws require pre-drilling

MATERIALS

- A2 Stainless steel (AISI 304)
- Standard steel cold dipped galvanized

SURFACE COATING

- No additional surface coating

CERTIFICATION

- DIN / ISO Certified
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

STAINLESS STEEL A2 SCREWS

EX-7622913000	CSK A2 2,9x13 PH	EX-7982123913	PAN A2 3,9X13 PH
EX-7622919000	CSK A2 2,9x19 PH	EX-7982123919	PAN A2 3,9X19 PH
EX-7981223913	CSK A2 3,9X13 PH	EX-7982123925	PAN A2 3,9X25 PH
EX-7981223919	CSK A2 3,9X19 PH	EX-7982124295	PAN A2 4,2X9,5 PH
EX-7981223925	CSK A2 3,9X25 PH	EX-7982124213	PAN A2 4,2X13 PH
EX-7981224295	CSK A2 4,2X9,5 PH	EX-7982124219	PAN A2 4,2X19 PH
EX-7981224213	CSK A2 4,2X13 PH	EX-7982124225	PAN A2 4,2X25 PH
EX-7981224219	CSK A2 4,2X19 PH	EX-7982124232	PAN A2 4,2X32 PH
EX-7981224225	CSK A2 4,2X25 PH	EX-7982124238	PAN A2 4,2X38 PH
EX-7981224232	CSK A2 4,2X32 PH	EX-7982124250	PAN A2 4,2X50 PH
EX-7981224238	CSK A2 4,2X38 PH	EX-7982124813	PAN A2 4,8X13 PH
EX-7981224250	CSK A2 4,2X50 PH	EX-7982124819	PAN A2 4,8X19 PH
EX-7981224813	CSK A2 4,8X13 PH	EX-7982124825	PAN A2 4,8X25 PH
EX-7981224819	CSK A2 4,8X19 PH	EX-7982124832	PAN A2 4,8X32 PH
EX-7981224825	CSK A2 4,8X25 PH	EX-7982124838	PAN A2 4,8X38 PH
EX-7981224832	CSK A2 4,8X32 PH	EX-7982124850	PAN A2 4,8X50 PH
EX-7981224838	CSK A2 4,8X38 PH	EX-7982124860	PAN A2 4,8X60 PH
EX-7981224850	CSK A2 4,8X50 PH	EX-7982124870	PAN A2 4,8X70 PH
EX-7981224860	CSK A2 4,8X60 PH	EX-7982125519	PAN A2 5,5X19 PH
EX-7981224870	CSK A2 4,8X70 PH	EX-7982125525	PAN A2 5,5X25 PH
EX-7981225519	CSK A2 5,5X19 PH	EX-7982125532	PAN A2 5,5X32 PH
EX-7981225525	CSK A2 5,5X25 PH	EX-7982125538	PAN A2 5,5X38 PH
EX-7981225532	CSK A2 5,5X32 PH	EX-7982125550	PAN A2 5,5X50 PH
EX-7981225538	CSK A2 5,5X38 PH	EX-7982125560	PAN A2 5,5X60 PH
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EX-7981225560	CSK A2 5,5X60 PH	EX-7982125580	PAN A2 5,5X80 PH
EX-7981225570	CSK A2 5,5X70 PH	EX-7629651901	ALLEN 5,5X19 A2
EX-7981225580	CSK A2 5,5X80 PH	EX-7629652501	ALLEN 5,5X25 A2
		EX-7629653001	ALLEN 5,5X30 A2
		EX-7629653501	ALLEN 5,5X35 A2
		EX-7629653801	ALLEN 5,5X38 A2
		EX-7629654001	ALLEN 5,5X40 A2
		EX-7629654501	ALLEN 5,5X45 A2
		EX-7629655001	ALLEN 5,5X50 A2
		EX-7629655501	ALLEN 5,5X55 A2
		EX-7629656001	ALLEN 5,5X60 A2
		EX-7629656501	ALLEN 5,5X65 A2
		EX-7629655701	ALLEN 5,5X70 A2

GALVANIZED SCREWS

EX-7983223913	CSK GALV 3,9X13 PH	EX-7984123913	PAN GALV 3,9X13 PH
EX-7983223919	CSK GALV 3,9X19 PH	EX-7984123919	PAN GALV 3,9X19 PH
EX-7983223925	CSK GALV 3,9X25 PH	EX-7984123925	PAN GALV 3,9X25 PH
EX-7983224295	CSK GALV 4,2X9,5 PH	EX-7984124295	PAN GALV 4,2X9,5 PH
EX-7983224213	CSK GALV 4,2X13 PH	EX-7984124213	PAN GALV 4,2X13 PH
EX-7983224219	CSK GALV 4,2X19 PH	EX-7984124219	PAN GALV 4,2X19 PH
EX-7983224225	CSK GALV 4,2X25 PH	EX-7984124225	PAN GALV 4,2X25 PH
EX-7983224232	CSK GALV 4,2X32 PH	EX-7984124232	PAN GALV 4,2X32 PH
EX-7983224238	CSK GALV 4,2X38 PH	EX-7984124238	PAN GALV 4,2X38 PH
EX-7983224250	CSK GALV 4,2X50 PH	EX-7984124250	PAN GALV 4,2X50 PH
EX-7983224813	CSK GALV 4,8X13 PH	EX-7984124813	PAN GALV 4,8X13 PH
EX-7983224819	CSK GALV 4,8X19 PH	EX-7984124819	PAN GALV 4,8X19 PH
EX-7983224825	CSK GALV 4,8X25 PH	EX-7984124825	PAN GALV 4,8X25 PH
EX-7983224832	CSK GALV 4,8X32 PH	EX-7984124832	PAN GALV 4,8X32 PH
EX-7983224838	CSK GALV 4,8X38 PH	EX-7984124838	PAN GALV 4,8X38 PH
EX-7983224850	CSK GALV 4,8X50 PH	EX-7984124850	PAN GALV 4,8X50 PH
EX-7983224860	CSK GALV 4,8X60 PH	EX-7984124860	PAN GALV 4,8X60 PH
EX-7983225519	CSK GALV 5,5X19 PH	EX-7984125519	PAN GALV 5,5X19 PH
EX-7983225525	CSK GALV 5,5X25 PH	EX-7984125525	PAN GALV 5,5X25 PH
EX-7983225532	CSK GALV 5,5X32 PH	EX-7984125532	PAN GALV 5,5X32 PH
EX-7983225538	CSK GALV 5,5X38 PH	EX-7984125538	PAN GALV 5,5X38 PH
EX-7983225550	CSK GALV 5,5X50 PH	EX-7984125550	PAN GALV 5,5X50 PH
EX-7983225575	CSK GALV 5,5X75 PH	EX-7984125575	PAN GALV 5,5X75 PH
EX-7983226319	CSK GALV 6,3X19 PH	EX-7984126319	PAN GALV 6,3X19 PH
EX-7983226332	CSK GALV 6,3X32 PH	EX-7984126332	PAN GALV 6,3X32 PH
EX-7983226350	CSK GALV 6,3X50 PH	EX-7984126350	PAN GALV 6,3X50 PH
EX-7983226375	CSK GALV 6,3X75 PH	EX-7984126375	PAN GALV 6,3X75 PH
EX-7985223919	CSK DR GALV 3,9X19 PH	EX-7986124219	PAN DR GALV 4,2X19 PH
EX-7985223925	CSK DR GALV 3,9X25 PH	EX-7986224225	PAN DR GALV 4,2X25 PH
EX-7985224219	CSK DR GALV 4,2X19 PH	EX-7986224232	PAN DR GALV 4,2X32 PH
EX-7985224225	CSK DR GALV 4,2X25 PH	EX-7986124819	PAN DR GALV 4,8X19 PH
EX-7985224232	CSK DR GALV 4,2X32 PH	EX-7986224825	PAN DR GALV 4,8X25 PH
EX-7985224819	CSK DR GALV 4,8X19 PH	EX-7986224832	PAN DR GALV 4,8X32 PH
EX-7985224825	CSK DR GALV 4,8X25 PH	EX-7986225525	PAN DR GALV 5,5X25 PH
EX-7985224832	CSK DR GALV 4,8X32 PH		
EX-7985225525	CSK DR GALV 5,5X25 PH		

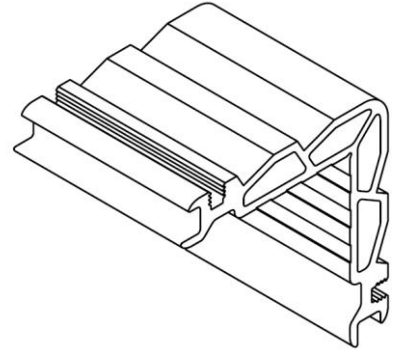
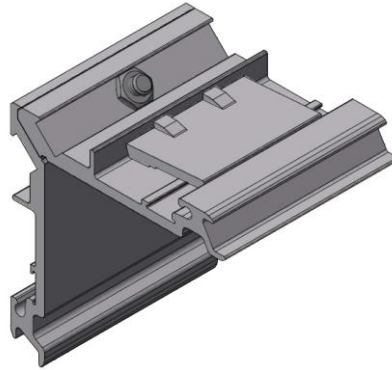
ALUMIL SYSTEM ALUMINIUM ACCESSORIES

FUNCTION

Aluminium Accessories by Alumil for complete, tested and certified systems

TECHNICAL FEATURES

- Cut accessories $\pm 0.5\text{mm}$ based on DIN7168
- Fully automated CNC machining
- Custom packaging



MATERIALS

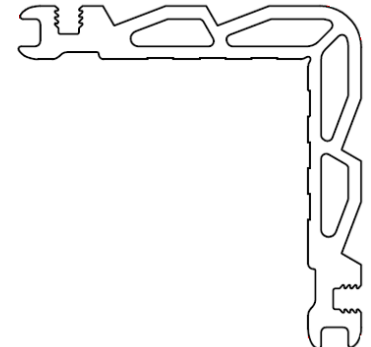
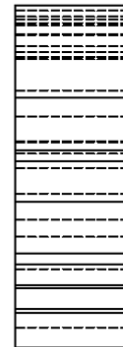
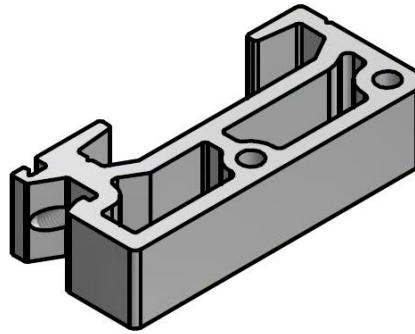
- Fully certified raw material based on EN 573-03
- Fully certified profiles based on EN 755-02
- Hardness measuring and tension measuring based on EN 10002-1
- Variety of alloys according to accessory use

SURFACE COATING

- Powder coated accessories ISO tested for paint thickness, shine, coloring, and paint application
- Powder coated accessories ISO tested for cupping, bending and impact
- Powder coated accessories ISO tested for acid salt spray, accelerated weather and QUV
- Anodized accessories ISO tested for anodization thickness, sealing and shine

CERTIFICATION

- Qualicoat
- Qualanod
- GSB Master
- Production based on ISO 9001:2008
- Production based on ISO 14001:2004
- Individual accessory design and certification upon request
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

Codes to be specified upon request

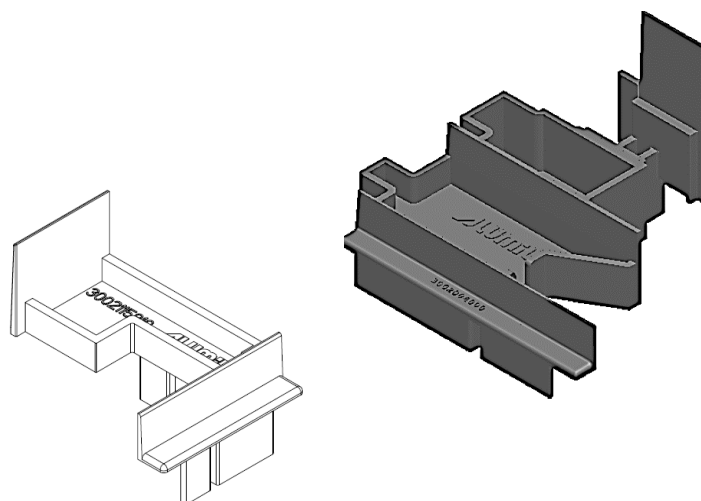
ALUMIL SYSTEM COMPOSITES

FUNCTION

Composite materials by Alumil for complete, tested and certified systems

TECHNICAL FEATURES

- Latest technology production processes
- 3D designing and 3D printing prototypes
- Electronically controlled heating and cooling for top material quality
- 5 axis CNC machines for mold production
- Excellent quality material and production ensures form retention and UV resistance
- All thermoplastic accessories are part of the official Alumil system certification
- Compression and Ageing tested between -10 and 100 °C
- Individual accessory design and certification upon request



Material	EPDM	Material	PVC - UV	Material	Polyamide
Color	Bk (Black)	Color	Bk (black)	Color	Bk (black)
Material Type	Ro/He Epdm	Material Type	PVC - UV	Material Type	PA6.6-GF25
Standard Ref.	DIN 7863	Specific Weight	ISO 1183: 1450	Viscosity	ISO 307: 150
Hardness	ASTM D 2240: 72 sh.	Vicat Point (5kg)	ISO 306: 78,5	Water Absorb.	ISO 62: 4
Specific Gravity	ASTM D 1817: 1.204	Hardness	ISO 868: 76,5	Moist Absorb.	ISO 62: 1.2
Tensile Strength	ASTM D 412c: 8,4	Tensile Strength	ISO 527: 30	Melting Temp.	ISO 3146: 240
Ultimate Elong.	ASTM D 412c: 280	Yield Point	ISO 527: 32	Melting Rate	ISO 3146: 20
Modulus 100%	ASTM D 412c: 4,4	Elongation at Break	ISO 527: 100	Melting Extrus.	300c
Modulus 200%	ASTM D 412c: 7,1	Flexural Modulus	ISO 178: 2000	Stress at Break	ISO 527-2: 130
Tear Resistance	ASTM D 624b: 31	Impact Strength	ISO 180: 1100	Impact Strength	ISO 179/1eu: 60
Compression Set 100c	ASTM D 395b: 29%	Inflamability	UL94: V0		
Compression Set -22c	ASTM D 395b: 43%				

MATERIALS

- Polyamide PA6 Glass reinforced
- PVC
- EPDM

SURFACE COATING

- No surface coating applied
- Color is part of material
- Accessories may be coated with silicone for ease of application

CERTIFICATION

- All materials fully certified based on ISO, EN standards
- Tested for physical, mechanical, chemical, electrical and flammability characteristics
- ISO 9001:2008
- Alumil 5 Year Guarantee



CODES & DESCRIPTIONS

Codes to be specified upon request

ACCESSORIES - ALUMIL 5 YEAR GUARANTEE

Alumil's 5-year guarantee covers products within Alumil's Range of Accessories.

Alumil will replace accessories that have significantly failed technically or aesthetically. The guarantee is valid only if suitable installation, maintenance and use have been carried out properly. The guarantee shall not be extended to any other part (within the window or not) that has been affected by the failure of the accessory; Alumil's guarantee is valid only regarding the replacement of the specific part. Shipping, installation, dismantling or any other labour costs are not covered. In order to validate the guarantee, proper installation and maintenance has to be confirmed by a qualified Alumil engineer.

Certain accessories may have also further extended guarantees (up to 10 years) Accessories with electrical components are guaranteed separately for 2 years. Please refer to the specific certification data sheets of the individual items.

For more information please contact Alumil S.A.

A large, stylized graphic on a grey background. It features a large white number '5' with a stylized '9' integrated into its base. To the right of the '5' is the word 'alumil' in a bold, lowercase sans-serif font. Below 'alumil' are the words 'YEARS' and 'GUARANTEE' in a bold, uppercase sans-serif font, stacked vertically.

5 alumil
YEARS
GUARANTEE

EN STANDARDS' GRADE CLASSIFICATIONS

EN 1670

Corrosion resistance shall be classified according to the following grading system:

Grade	Corrosion resistance	Neutral salt spray test	
0	no defined	-	-
1	low	24 h	-0/+1h
2	moderate	48 h	-0/+1h
3	high	96 h	-0/+1h
4	very high	240 h	-0/+1h
5	exceptionally high	480 h	-0/+1h

EN 13126-3

Durability shall be classified according to the following grading system:

Grade	Cycles
3/90	10.000 Turn-Only
4/90	15.000 Turn-Only
5/90	25.000 Turn-Only
3/180	10.000 Tilt&Turn
4/180	15.000 Tilt&Turn
5/180	25.000 Tilt&Turn

EN 13126-1 & 13126-9 & EN 13126-15 & EN 13126-16:2008

Durability shall be classified according to the following grading system:

Grade	Cycles
3	10.000
4	15.000
5	25.000

Corrosion resistance shall be classified according to EN 1670

EN 13126-8:2006

Durability shall be classified according to the following grading system:

Grade	Cycles
4	15.000
5	25.000

EN 1154

Durability shall be classified according to the following grading system:

Grade	Cycles
8	500.000

EN STANDARDS' GRADE CLASSIFICATIONS

EN 1935:2004

Durability shall be classified according to the following grading system:

Hinge grade	Category of use			Durability		Test door mass	
Grade	Duty	Grade	Use	Grade	Test cycles	Grade	Mass kg
2	Light	1	Window	3	10.000	1	20
3	Light	1	Door or Window	4	25.000	1	20
4	Medium	2	Door	7	200.000	1	20
5	Light	1	Window	3	10.000	2	40
6	Light	1	Door or Window	4	25.000	2	40
7	Medium	2	Door	7	200.000	2	40
8	Light	1	Window	3	10.000	3	60
9	Light	1	Door or Window	4	25.000	3	60
10	Medium	2	Door	7	200.000	3	60
11	Heavy	3	Door	7	200.000	4	80
12	Heavy	3	Door	7	200.000	5	100
13	Severe	4	Door	7	200.000	6	120
14	Severe	4	Door	7	200.000	7	160

EN 1303

Durability shall be classified according to the following grading system:

Grade	Cycles
4	25.000
5	50.000
6	100.000

Corrosion resistance shall be classified according to the following grading system:

Grade	Corrosion resistance	Temperature requirement
0	no defined	no
A	high	no
B	no	from -20° to +80 °C
C	high	from -20° to +80 °C

EN STANDARDS' GRADE CLASSIFICATIONS

EN 1906:2012

Durability shall be classified according to the following grading system:

Grade	Cycles
6	100.000
7	200.000

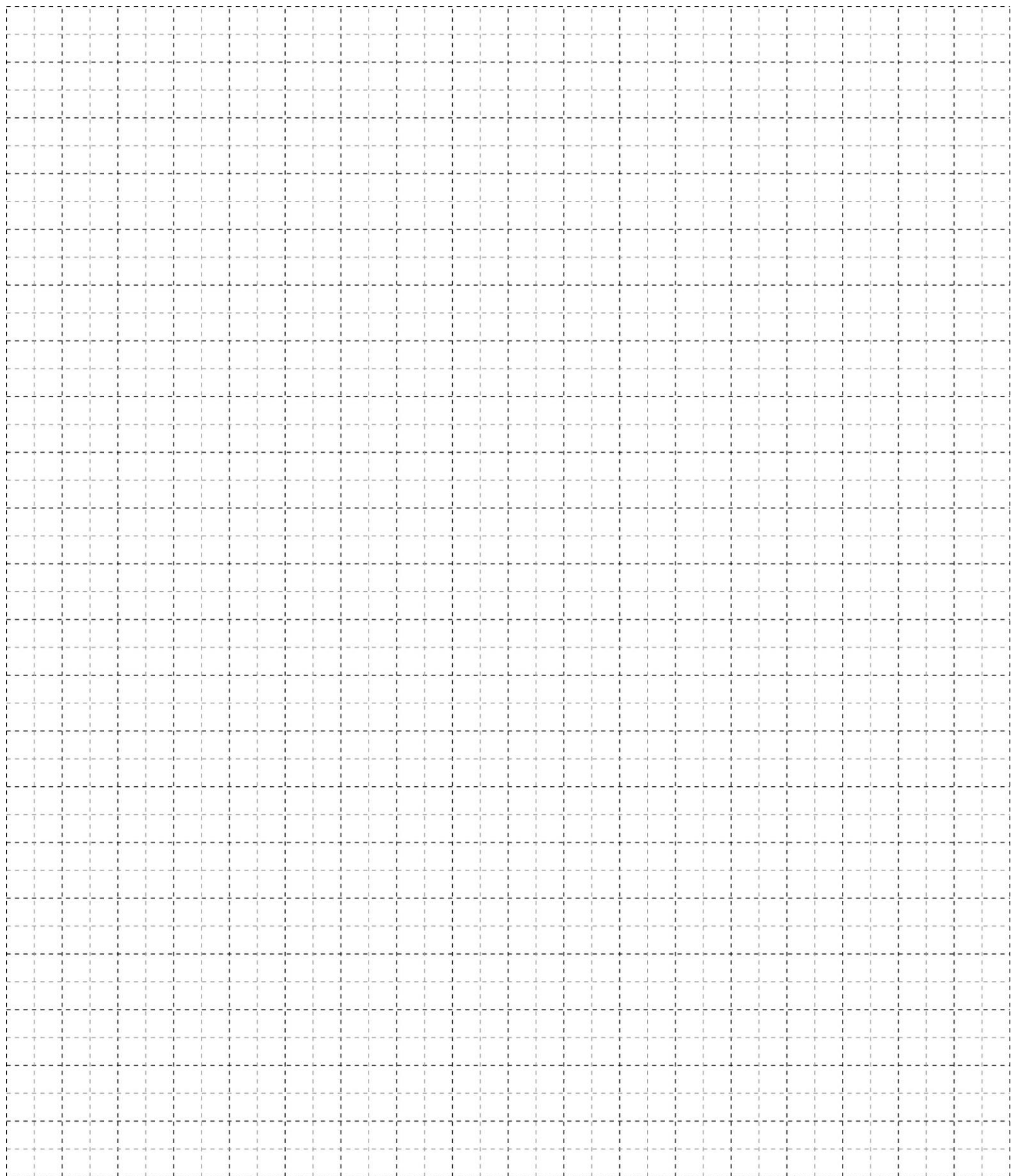
EN 12209:2003 & EN 15685

Durability shall be classified according to the following grading system:

Grade	Cycles	Neutral salt spray test
A	50.000	no load on latch bolt
B	100.000	no load on latch bolt
C	200.000	no load on latch bolt
D	500.000	no load on latch bolt
F	50.000	10N load on latch bolt
G	100.000	10N load on latch bolt
H	200.000	10N load on latch bolt
L	100.000	25N load on latch bolt
M	200.000	25N load on latch bolt
N	500.000	25N load on latch bolt
R	100.000	50N load on latch bolt
S	200.000	50N load on latch bolt
W	100.000	120N load on latch bolt
X	200.000	120N load on latch bolt
Z	500.000	120N load on latch bolt

Corrosion resistance shall be classified according to the following grading system:

Grade	Corrosion resistance	Temperature requirement
0	no defined	no
A	low	no
B	moderate	no
C	high	no
D	very high	no
E	moderate	from -25° to +70 °C
F	high	from -25° to +70 °C
G	very high	from -25° to +70 °C



2017

ACCESSORIES
CERTIFICATION
DATA
SHEETS



HEAD OFFICES
8 GOGOUSI STR., GR 56429
EFKARPIA, THESSALONIKI
T +30 2313 011000
F +30 2310 692473

FACTORY
KILKIS INDUSTRIAL AREA
GR 61100 KILKIS
T +30 23410 79300
F +30 23410 71988

www.alumil.com
info@alumil.com

EN OCT 2017

