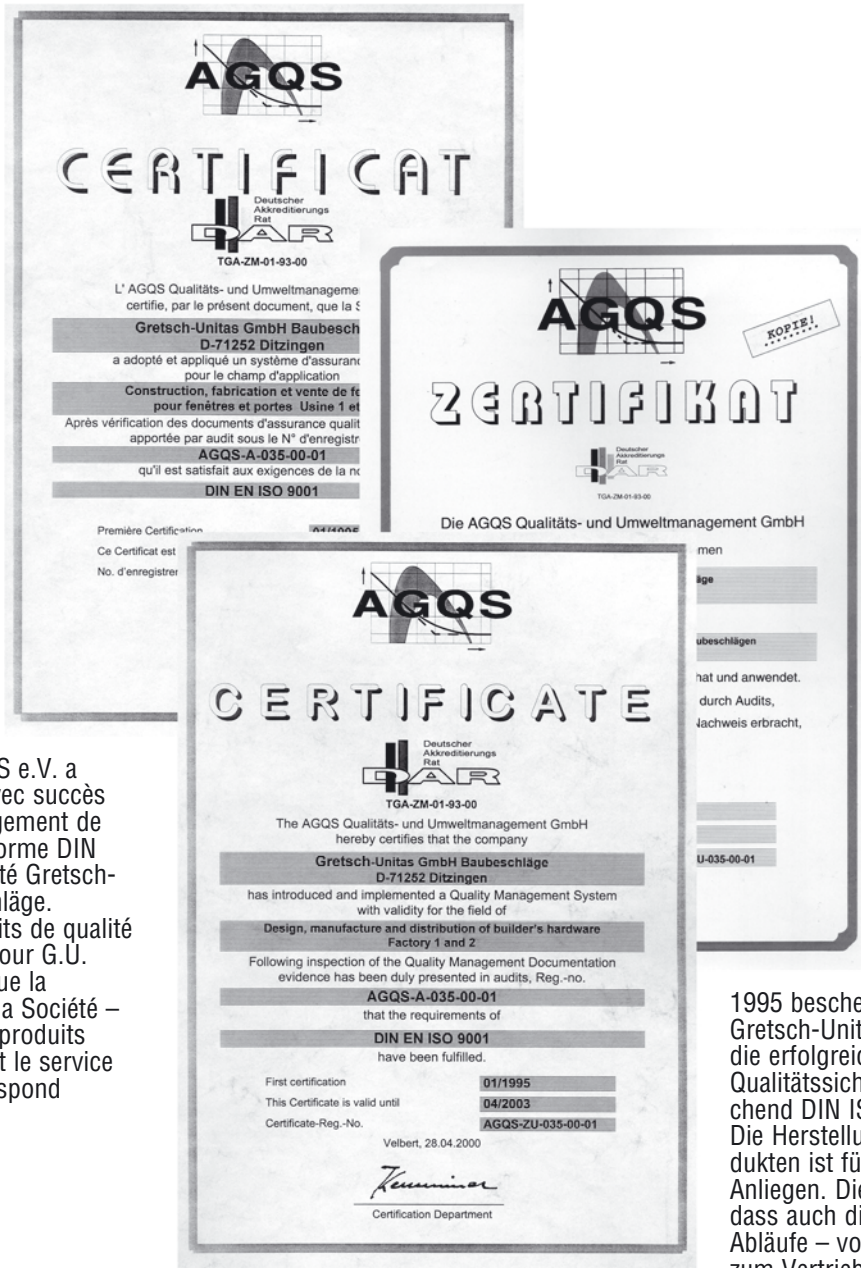


Accessories for Builder's Hardware



10



**Qualité:
G.U certifié avec succès**

La norme DIN ISO 9001 définit les exigences à la structure et le mode de travail de l'entreprise et de sa gestion de qualité.

En 1995 le comité AGQS e.V. a certifié l'introduction avec succès d'un système de management de qualité conforme à la norme DIN ISO 9001 dans la Société Gretschn-Unitas GmbH Baubeschläge. La fabrication de produits de qualité est un but permanent pour G.U. Le certificat confirme que la coopération interne de la Société – du développement des produits jusqu'à la distribution et le service pour les clients – correspond également à ce but.

**Qualität:
G.U erfolgreich zertifiziert**
DIN ISO 9001 definiert die Anforderungen an die Struktur und Arbeitsweise des Unternehmens und seines Qualitätsmanagements.

1995 bescheinigte die AGQS e.V. der Gretschn-Unitas GmbH Baubeschläge die erfolgreiche Einführung eines Qualitätssicherungssystems entsprechend DIN ISO 9001. Die Herstellung von Qualitätsprodukten ist für G.U ein beständiges Anliegen. Die Zertifizierung bestätigt, dass auch die betriebsinternen Abläufe – von der Entwicklung bis zum Vertrieb und Kundenservice – mit diesem Anliegen übereinstimmen.

**Quality:
G.U successfully certified**

DIN ISO 9001 defines the requirements to structure and working methods of the enterprise and its quality management. In 1995 the committee AGQS e.V. has certified the successful introduction of a quality management system according to DIN ISO 9001 in the company Gretschn-Unitas GmbH Baubeschläge. The production of quality hardware is a permanent concern for G.U. The certificate confirms that the internal cooperation of the company – from product development to distribution and customer's service – also corresponds to this concern.

Product groups

	Product programme	
YA	Hinges	YA
YC	Building chemicals	YC
YD	Gaskets	YD
YE	Composite panel	YE
YF	Window sills (external)	YF
YG	Sill boards (internal)	YG
YH	Handles	YH
YI	Insect screens	YI
YK	PVC accessory profiles	YK
YM	Sealed unit manufacture	YM
YP	Aluminium profiles	YP
YS	Fixings	YS
YU	Comfort and security	YU
YV	Window and door installation to RAL	YV
YW	Tools	YW
YX	Miscellaneous	YX



Product group

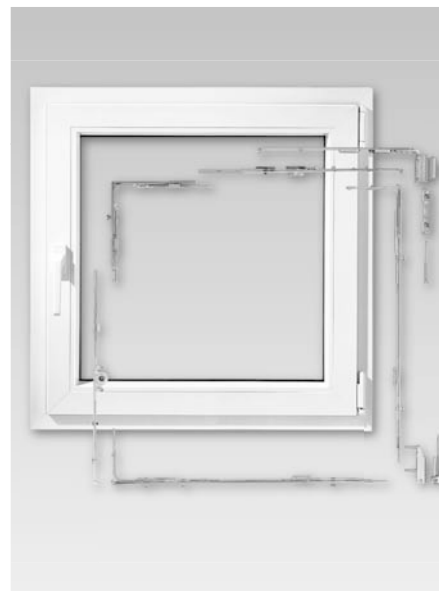
Product programme

Tilt-turn fitting system UNI-JET

Fittings for single and double sash windows and patio doors made of timber, PVC and aluminium – for manual and automatised hardware assembly – for all sizes of window fabricators.

- Comprehensive product range: Tilt-turn, side hung, tilt and first tilt fittings, also for round arch head and oblique angle head windows, in standard version as well as in tested or untested security classes

- Advantages:
 - automatic locking pins
 - central locking mechanism from standard (basic security) up to WK 2
 - tilt-turn stays with integrated slit ventilation
- All fittings with surface sealing ferGUard*silver
- Sash components with clip connection



Technical details, fitting variants

Fitting variants	Sash width mm	Sash height mm	Sash weight kg
Timber and PVC			
UNI-JET M, UNI-JET S	280-1600	350-2450	up to 130
UNI-JET D, UNI-JET DV	280-1600	350-2450	up to 100
Aluminium			
JET AK 8	355-1700	500-2400	up to 130
UNI-JET C	280-1600	350-2450	80 / 130 optional

Parallel slide and tilt fittings

Fittings for parallel slide and tilt units with 2 - 4 sashes.

- One handle operation, stays with forced control (mZ)
- Up to 200 kg sash weight without additional runner
- Designed for sash rebate widths up to 2000 mm (from SRW 1.850 mm with 3rd stay)
- Sashes in tilt position secured against being pushed open
- Multi-level security concept



Technical details, fitting variants

Fitting variants	Sash width mm	Sash height mm	Sash weight kg
Timber and PVC			
G.U-966/200 mZ	720-2000	820-2370	up to 200
G.U-966/150 mZ	720-1600	820-2370	up to 150
G.U-966/150 oZ	640-1600	700-2350	up to 130
G.U-90 oZ	700-1600	700-2350	up to 90
Aluminium			
G.U-968/200 mZ	720-2000	820-2370	up to 200
G.U-968/150 mZ	720-1600	820-2370	up to 150
G.U-968/150 oZ	600-1600	730-2400	up to 130
G.U-90 oZ	600-1600	730-2400	up to 90

Lift-slide fitting programme / HS-Master Lift-tilt-slide fittings

Fittings with one handle operation for units with 2 to 6 sashes.

- Lift-locking gear with extended range of application
- Runners with new support
- Security package for all lift-slide units
- **HS-Master** – new convenience due to motor driven lift and slide
- All fittings with surface sealing ferGUard*silver
- Thresholds G.U-thermostep and frame covers



Technical details, fitting variants

Fitting variants	Sash width mm	Sash height mm	Sash weight kg
Timber, PVC and aluminium			
HS G.U-934	720-3300	800-2765	up to 300
HS G.U-937	720-2200	800-2765	up to 150
HS G.U-939	470-1900	1175-2350	up to 90
HSK G.U-954	720-3000	855-2750	up to 250
HSK G.U-957	720-2200	855-2750	up to 150
HS-Master	up to -3300	up to -2750	up to 300

Slide-fold fittings

Fittings for slide-fold units with 3 - 7 sashes.

- 2-wheel runners, bottom running (G.U-922, G.U-822) or top running (G.U-925, G.U-825)
- Runners, sash overlap, sash closing pressure and hinges are adjustable
- All fittings with surface sealing ferGUard*silver



Technical details, fitting variants

Fitting variants	Sash width mm	Sash height mm	Sash weight kg
Timber and PVC			
G.U-922	400- 900	850-2450	up to 80
G.U-925	400- 900	850-2450	up to 80
Aluminium			
G.U-822	400-1000	730-2400	up to 80
G.U-825	400-1000	730-2400	up to 80

Horizontal and vertical pivot fittings

Fittings for horizontal and vertical pivot windows with peripheral gasket:

Technical details, fitting variants			
Fitting variants	Sash width mm	Sash height mm	Sash weight kg
Horizontal pivot fittings – timber			
UNITAS 5 Bo, 7 Bo	576-2950	700-2200	up to 175
UNITAS 10/22°	576-2950	700-2200	up to 300
UNITAS 4 (circular window)	424-2016 Ø		up to 100
FERCO 44 E	576-1450	700-2000	up to 80
FERCO 45 E	576-1450	700-2200	up to 120
Horizontal pivot fittings – PVC			
UNITAS 15, 16	576-2950	700-2200	up to 175
Horizontal pivot fittings – aluminium			
UNITAS 18	580-	600-	up to 175
Vertical pivot fittings			
UNITAS 93 Bo (timber)	782-1600	1250-2350	up to 175
UNITAS 88 (aluminium)	600-	600-	up to 175



Fan-light openers

Slimline opener with face-fixed stays for tilt (bottom hung inward opening) units with one or more sashes.

- Vertical and horizontal rods covered with aluminium profile
- Operation via lever handle, vertical gear or corner gear. Electric drives for individual or group control
- Fittings for rectangular, oblique angle head, arch head and segmental arch head tilt windows, also in Se version.
- Fittings for top hung outward opening windows



Technical details, fitting variants			
Fitting variants	Sash width mm	Sash height mm	Opening width mm
Timber, PVC and aluminium			
VENTUS F 200	400-3600	from 250	165 / 200
VENTUS F 300	620-3600	from 350	220 / 300

G.U security stay EURO-SOLID

- Secure holding of tilt sashes after disengagement of the opening stay – e.g. for cleaning the outside face

G.U-DUCO ventilators, sound absorbing ventilators

Ventilators manufactured from extruded aluminium profiles for adjustable, energy saving and sound reducing ventilation. Installation in the frame or glazing rebate of timber, PVC and aluminium windows.

G.U-DUCO ventilators

- Thermally broken flap and rotating drum ventilators with sealing lips or finseal brushes
- Controlled via lever, rod or cord
- Max. length of ventilator: 3000 mm
- Installation at top or bottom of glazing

UNITAS sound absorbing ventilator, type 100

- Sound absorbing ventilator with or without fan, fan performance 50 m³/h
- Sound reduction factor $R_w = 32$ to 50 dB
- Installation in frame or glazing rebate

G.U-SILENCIO sound absorbing ventilator

- Through-the-wall sound absorbing ventilator, telescopic tube with 85 mm or 105 mm diameter



Aluminium thresholds

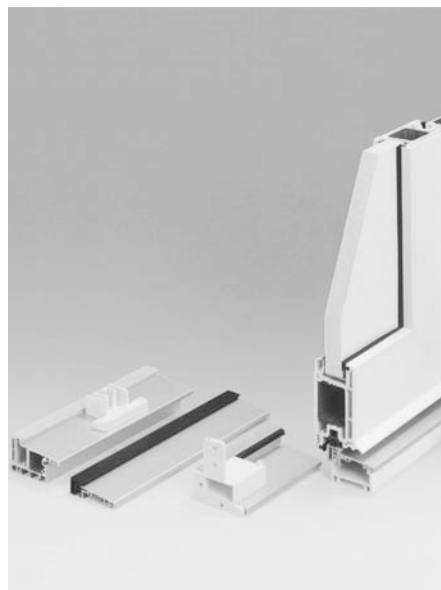
for timber and PVC house entrance doors – new buildings and renovation.

The thermal break of thresholds considerably reduces the heat flow at the bottom of glazed doors.

The importance of thermal break:

With normal interior air conditions – interior temperature +20° C, relative air humidity 50% – condensate forms with a surface temperature of approximately +9,2° C (dew point temperature).

With normal outside temperatures (down to -10° C in winter), the efficient thermal break of G.U thresholds achieves a surface temperature clearly higher than +9,2° C. The formation of condensate is prevented, the bottom area of the door will not suffer from moisture, a sound building structure will be protected and preserved.



Applications:

The threshold programme offers variants for

- New buildings and renovation
- House entrance and patio doors of timber and PVC
- Barrier free living to DIN 18025
- Versatile accessories providing solutions for complicated installation conditions
- Threshold-to-frame connectors for all current profiles

Safety door locks

Safety door locks G.U-SECURY and SECURY-EUROPA for burglary-resistant main and secondary entrance doors made of timber, PVC and aluminium, and for house and flat entrance doors with timber and steel frames.

- Door locks for burglary-resistant doors
 - WK 2 and WK 3 tested, VdS tested to class A
- Variants with manual, automatic or motor driven locking and unlocking
- Additional locks with the locking variants Automatic deadbolt, double deadbolt, solid deadbolt, locking claw, locking bolt, roller pin
- Automatic deadbolt, double deadbolt, solid deadbolt, locking claw and locking bolt secured against being pushed back
- Deadbolt throw 20 mm, engagement of the locking elements in latch plates / locking plates or locking rods across the entire height of the door



- Panic functions
- Backsets from 26 to 90, centres 92 / 72, spindle 8, 9 and 10 mm
- Available in various forend widths and forend lengths
- Multipoint lock operated via profile cylinder, turn handle, motor, mechanic-automatic operation

Mortise locks

Escape door systems to DIN EN 179 and DIN EN 1125

- Panic locks and latch plates for single and double leaf door units



Standard locks

- DIN standard locks for timber, steel and narrow stile house/flat entrance and internal doors

Self-locking locks

Series 21 for timber and steel doors, Series 19 for narrow stile doors

- 2 point locking with Automatic deadbolting latches
- Suitable from entrance doors to escape doors

Heavy duty locks

- For all kinds of project doors – heavy duty locks class 5 are designed for the use on highly frequented doors.

Narrow stile locks series 1800

- Approved for standard narrow stile, fire protection and smoke protection doors
- Choice of escape door functions for various requirements on single and double leaf narrow stile doors

Panic locks series 23

- For timber and steel doors. For various requirements on single and double leaf fire protection, smoke protection and escape doors

Cabinet, furniture and padlocks

- Wide range of locks for standard and security applications, also available in master keyed versions



Locking cylinders and master key suites

Cylinder system series 88

- Conventional profile cylinders for single differ and keyed alike applications

Cylinder system series 31

- Profile cylinders for registered differ and suited applications

Cylinder system series 33 (system SL)

- Security profile cylinders with additional side bar locking

Cylinder system series 37

- Profile cylinders for registered differ

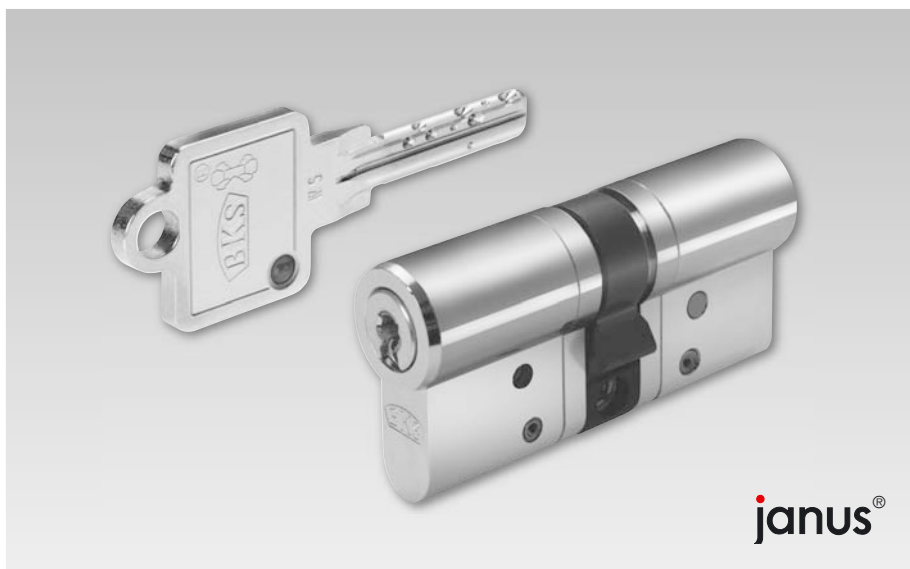
Cylinder system series 45 janus

(reversible key system)

- For registered differ and complex master key suites
- Variable cylinder length (Sandwich design)

Electronic cylinders

- Electronic locking system in combination with series 45 janus



Cylinder system series 50

- Reversible key system for single differ and keyed alike locking as well as for registered differ and master key suites

Master key suites

- Central master key systems for multi-family residences
- Grand-master key systems for large buildings

Door furniture

Escape door systems to

DIN EN 179 and DIN EN 1125

- Door handles and push bars for single and double leaf door units

Furniture for internal doors

- In aluminium, stainless steel and brass

Project furniture to DIN EN 1906

- Versatile range of project furniture with choice of handle designs and backplates in a variety of materials

Security furniture

- Complete programme of attractive designs for improved security
- DIN EN 1906 tested – protection classes 1, 2, 3, 4 and standard version

Security furniture for narrow stile doors

- Security furniture with DIN EN 1906 certification

- In stainless steel, brass and aluminium

Push bars and escutcheons

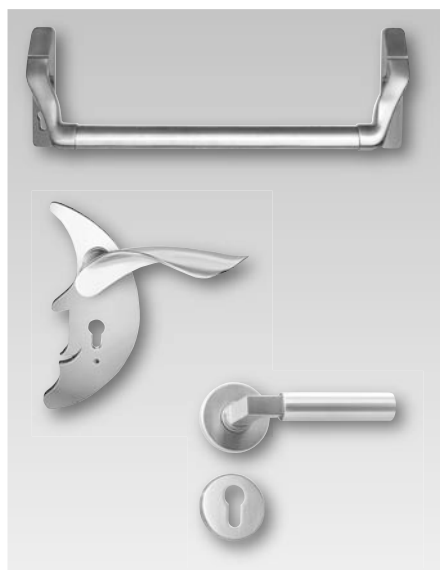
- Push bars in a choice of designs

- Escutcheons with EN certification

Designer furniture

- In stainless steel for sophisticated projects

- Also for private applications – the backplate can be made to your own design and combined with any turn handle



Door closers OTS, floor springs UTS

Door closers for single and double leaf doors.

Door closer/floor spring type	Description
OTS 80	Coil and crank door closer
OTS 81	Flatform door closer to DIN 18263, part 1
OTS 140, 210, 320, 430, 440, 530	Rack and pinion door closers with scissor action arm
OTS 630, 730	Linear drive door closers with slide channel
OTS variants:	Hold open arm, delayed closing action, mechanic / electromechanic hold open, integrated smoke detector and door leaf coordinator
UTS 82	For internal and double swing doors
UTS 85 F	For fire and smoke protection doors to DIN EN 1154
UTS variants:	Hydraulic or electrohydraulic hold open, swing free free operation, integrated door leaf coordinator
UTS 840	For double swing doors



Rebate door closers series FTS

FTS 20, FTS 24: Rebate door closers for concealed hinge side installation in the vertical door rebate, e.g. for round arch head doors

Electronic access control

In buildings with complex organisational structures and high demands on security, individual access control provides

- Protection of people and property
- Selective control of staff and visitor flows
- Protection of the building from outside
- Authorisation selected by person, room and time
- Quick and easy change of authorisations
- Logging of all effected and attempted accesses

The components

Depending on particular requirements, ESI access control allows for the combination of the following components with each other:

- Electronic cylinder system janus SE series 53
- Electric-clutch (EK) lock and door opener each with transponder key, transponder card or transponder key fob for G.U-BKS wall-mounted reader
- SE access control: trendsetting for any application



Escape route security

The escape route security control system of BKS offers efficient protection against the misuse of escape doors and against burglary. Moreover, it prevents persons from unauthorised access to danger zones. The escape door function is always maintained.

FT-SK

- The BKS-FT-SK module is a preprogrammed escape door control module which can be used both as an individual door control and networked. Programming is effected via jumpers or the integrated USB interface. All connecting cables are preassembled which allows for the effortless installation of the control within a few minutes.

FT-Alarm

- Simple monitoring of individual escape doors.

FT-Control unit BKS-PSS 0

- Networking of several escape doors of different monitoring and security levels via a central control unit.

FT-Control unit BKS-PSS 1

- Decentralised control of escape doors (also of individual doors). The functions of the door centrals are adapted to individual requirements via PC configuration.



Automatic entrance systems



ATS sliding door systems offer functionality, cost-effectiveness and security wherever they are applied. Based on microprocessor controlled drive units with small installation height, the comprehensive delivery programme provides convenient and barrier-free entrance solutions. Slim frame profiles emphasise the sophisticated door design.

All door systems are TÜV (German Technical Supervisory Association) tested for the use with emergency and escape routes!

Sliding doors

- Creation of fine entrances with slim drive units
- User-friendly opening and closing

Telescopic sliding doors

- Large passage areas even in restricted structural openings
- Stylish appearance due to slim frame profiles

Curved sliding doors

- For entrances with sophisticated architecture
- Slim drive unit with integrated safety sensors

Prismatic sliding doors

- Passage convenience combined with impressive entrance design
- Available in any angle from 90° to 179°

Swing door drives

Drive units for single and double sash swing doors, suitable for the installation in all locations. Safe and simple operation. Easy retrofitting of manual doors in the course of renovation. Suitable for the use with fire and smoke protection doors. A drive variant for infloor assembly is also part of the programme.

Revolving door systems

Revolving door systems are suitable for a large variety of applications. Meeting individual demands in dimensions and design, they provide functional building entrances with efficient protection against sound and air draught.

Revolving doors

- Operation manual or with fully automatic drive system
- Convenient and safe passage with 3- or 4-chamber system
- Individual creative solutions for sophisticated building architecture
- Innovative door design, e.g. all glass construction with glass roof and infloor drive

Security doors

Security revolving doors and security interlocked curved sliding doors for all applications where a high degree of security is required, e.g. in banks, ministries, computer centres.

- Controlled admission of authorised persons via integrated electronic access control system
- Protection of main and side entrances without additional staff



All glass sliding partitions

Partition wall systems allow for individual applications in commercial buildings, banks and shop in shop areas in shopping centres.

Manual and fully automatic all glass sliding partitions

- Variable room division
- Separation of areas to create representative show rooms
- Unlimited creative solutions according to requirements due to linear, curved or segmented variants.
- Convenient opening and closing at the push of a button or manual operation – all at the customer's option

System solutions for the security of buildings

G.U-BKS window and door management offers state-of-the-art locking technology, reliable monitoring and intelligent information technology all from one source:

- Access control
- Escape route control
- Burglary and danger alarm technology
- Door closers and hold open systems
- Smoke and heat evacuation systems
- Video monitoring
- Panel technology, signalling technology

The ideal combination of the products from the comprehensive locking and security technology range with an EDP based management system allows for the planning

and realisation of custom-tailored solutions. A large variety of project requirements can be fulfilled by networking various systems and integrating them in the G.U-BKS security management system.

Moreover, it is possible to integrate any other security, building management and communication technology system – even spanning manufacturers and trades. This provides optimum operational reliability, efficiency and convenience to the operators of office buildings and industrial facilities with complex requirements. A large number of well-known international references from various fields of application give proof of the efficiency and flexibility of this successful concept of system integration.



Services

The services provided by the G.U group comprise ordering, information, planning and administration.

CIS – Customer Information System

- Ordering and information system processing orders and invoices

Tendering service

- Internet based module for the creation of complex specification clauses classified by product divisions

HardwareManager

- Determination, composition and ordering of hardware sets for timber and PVC windows and patio doors

KeyManager

- Professional software for the administration of master keyed locking suites

MKS – MasterKeySystem

- Internet based platform for planning and ordering master keyed locking suites

Hardware data service

- Determination of individual hardware solutions and supply of data for CNC based window fabrication



The newly developed sealing ferGUard* silver sets the standard

Surface coating free of chromate providing optimum corrosion protection = ferGUard

- Over the years, plaster, cement, paint and cleaning detergents considerably affect the surface of builder's hardware. Possible consequence: claims
- Due to the surface sealing ferGUard* silver, damage through corrosion involving reclamation is reliably prevented. The finish ferGUard* silver consists of a new combined coating (zinc + passivation without hexavalent chromium + additional coating) of superior anti-corrosive qualities.
- The coats are applied without organic components, heavy metals and hexavalent chromium; that is, the new surface sealing ferGUard* silver is environment-friendly and up to date.
- Another advantage:
The new finish ferGUard* silver produces an impressively even, silvery finish on the fitting parts: A new, additional sales argument with your customers.

How does the additional coating work?

As before, the fitting parts are protected by a zinc coat with succeeding yellow passivation (method: zinc + standard chromizing).

The new additional coat was developed in cooperation with leading suppliers of chemical engineering and with the automotive industry.

After the usual treatment, the fitting components are covered with an inorganic coat in an additional procedure.

This process step is carried out on a fully automatic and computer controlled production line.

The additional coat deeply permeates into the passivated coat, sealing the whole component firmly and permanently.

Special corrosion inhibitors additionally retard the beginning of corrosion.

All in all, the new **G.U finish** offers to dealers, manufacturers and customers a large variety of **advantages**:

- Considerably improved corrosion protection due to additional coating.
- Longer product life of windows and doors.
- Without organic components and heavy metals, the new G.U finish is environment-friendly and up to date.
- If there is mechanic damage to the surface or if a component is cut (e.g. forend cut to length), the blank spot will not corrode due to the sacrificial protective effect of the zinc coat.
- Fewer customer claims due to a finish more resistant against detergents and household chemicals than others.
- Even, silvery finish of fitting parts throughout our complete product range.
- Complying with the environmental regulations of the EC, our newly developed coating system ferGUard* silver does not contain hexavalent chromium.

Note:

For fixing screws see catalogue chapter YS „Fixings“

Product group

YA

Hinges

YA

Hinges

Hinges for Timber Windows

Side hung sashes

Drill-in hinge, 2-part	YA.3
Drill-in hinge, 2-part	YA.3
Drill-in hinge for standard windows	YA.3

Tilt sash and side hung sash hinges

Drill-in hinge, 3-part for sashes up to 80 kg	YA.4
Drill-in hinge, 3-part for sashes up to 100 kg	YA.4

Hinges for Timber Doors

Adjustable door hinges

Door hinge, 3 D adjustable for sashes up to 130 kg	YA.5
Door hinge, 3 D adjustable for sashes up to 150 kg	YA.5

Door hinges for heavy rebated doors

Door hinge with plastic bush	YA.6
Door hinge with ball bearing	YA.6

Butt hinges for flush doors

Butt hinge for sashes up to 130 kg	YA.7
Butt hinge for sashes up to 50 kg	YA.8
Butt hinge for sashes up to 55 kg	YA.8

Hinges for PVC Windows

Side hung sash hinges

Side hung sash hinge for sashes up to 80 kg	YA.9
Side hung sash hinge WF for sashes up to 80 kg	YA.9

Window and door hinges for slim profiles

Window hinges, sideways adjustable	YA.10
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Side hung sash hinges

Side hung sash hinge with concealed screw fixing	YA.11
Side hung sash hinge with both parts screw-on	YA.11

Butt hinges

Butt hinge for sashes up to 60 kg	YA.12
Butt hinge for sashes up to 80 kg	YA.12

Hinges for PVC Doors

Door hinges

PVC entrance door hinge FH for sashes up to 100 kg	YA.13
PVC entrance door hinge KT-A	YA.16
Heavy duty PVC entrance door hinge KT-V 6R	YA.18
Universal entrance door hinge KT-N 6R	YA.19
Light duty PVC entrance door hinge KT-K	YA.20
PVC entrance door hinge KT-E	YA.21
PVC entrance door hinge KT-S	YA.23

Hinges for Aluminium Doors

Hinges with screw fixing

Aluminium hinge with screw fixing SERIE 60	YA.25
Aluminium door hinge 3 with screw fixing	YA.27

Contract Hinges

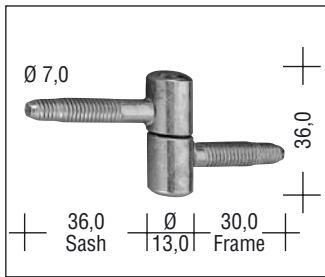
Contract hinges for rebated doors with steel, timber or aluminium frame

Contract hinge for rebated doors – frame construction VB	YA.29
Contract hinge for flush doors – frame construction VB	YA.30
Frame constructions – system VB	YA.31
Contract hinge for rebated doors – frame construction V 8600	YA.32
Contract hinge for flush doors – frame construction V 8600	YA.32

Contract hinges for timber frames

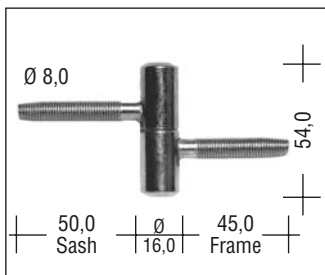
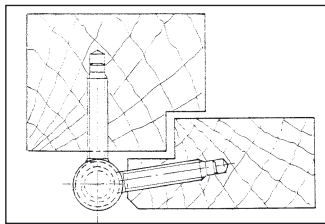
Contract hinge for rebated doors	YA.33
Contract hinge for flush doors	YA.34

Side hung sash hinges



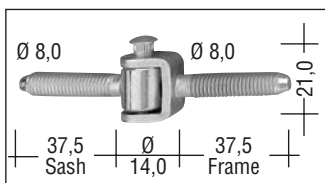
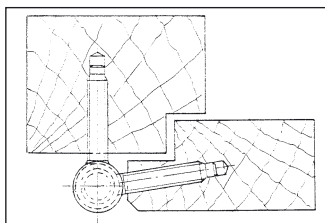
Drill-in hinge, 2 part for sash with 2 hinges up to 80 kg

PG	Description	Surface	PU	Order Number
YAF	Sash part	bichromated galvanised	500	9-36951-00-0-3
YAF	Frame part	bichromated galvanised	500	9-36952-00-0-1
YAF	Cover (2 pieces per hinge)	white brown brass colour	500	9-38057-00-0-7 9-38057-00-0-5 9-38057-00-0-3
YAF	Drilling jig		1	9-36953-00-0-0



Drill-in hinge, 2 part for sash with 2 hinges up to 80 kg

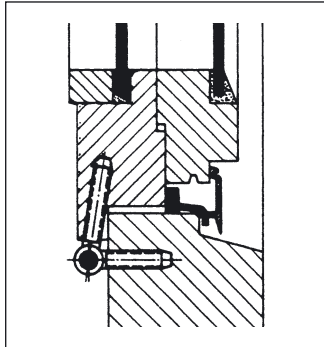
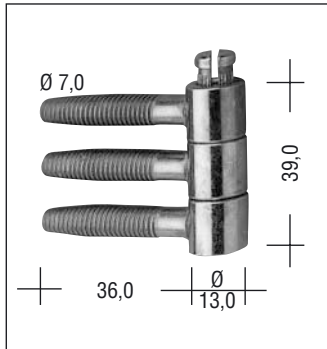
PG	Description	Surface	PU	Order Number
YA	Drill-in hinge		200	H-00628-00-0-3
YA	Cover (2 pieces per hinge)	white brown brass colour	500	H-00634-00-0-7 H-00634-00-0-5 H-00634-00-0-3
YA	Drilling jig		1	H-00650-00-0-0



Drill-in hinge for standard windows up to 60 kg

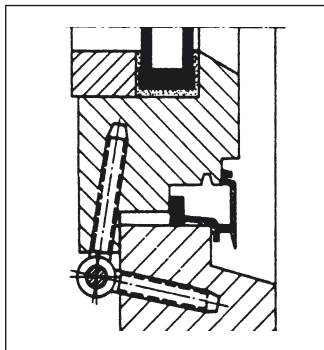
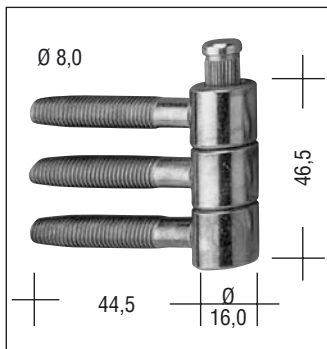
PG	Description	PU	Order Number
YAF	Box of drill-in hinges	500	H-00162-00-0-1

Tilt sash and side hung hinges



Drill-in hinge, 3 part for sashes with 2 hinges up to 80 kg

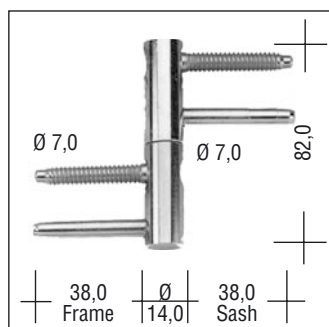
PG	Description	Surface	PU	Order Number
YAF	Drill-in hinge	bichromated galvanised	200	H-00160-00-0-3
YAF	Drilling jig for drill-in hinge, 3 part		1	9-38060-00-0-0



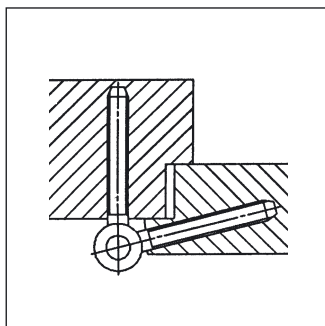
Drill-in hinge, 3 part for sash with 2 hinges max. 100 kg

PG	Description	Surface	PU	Order Number
YAF	Drill-in hinge	bichromated galvanised	200	H-00161-00-0-3
YAF	Drilling jig for drill-in hinge, 3 part		1	9-36944-00-0-0

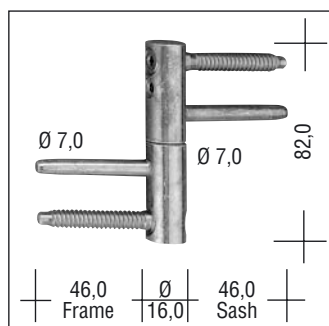
3 D adjustable door hinges



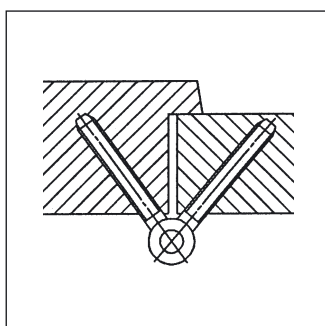
H-00706 – ball bearing



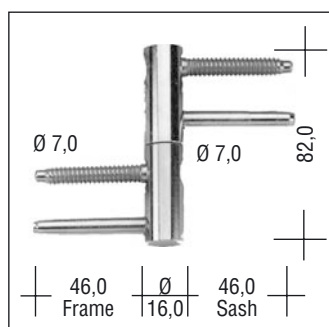
Door with frame



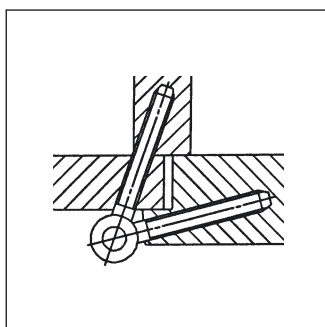
9-36593, 9-36594 – slide bearing



Flush door



H-00308, H-00309 – ball bearing



Door with casing

Applicable for all kinds of assembly situations

3 D adjustable door hinge for timber sashes up to 130 kg

PG	Description	Support	PU	Order Number
YA	Drill-in hinge 3D, Ø 14, left	ball bearing	50	H-00706-00-L-3
YA	Drill-in hinge 3D, Ø 14, right	ball bearing	50	H-00706-00-R-3

3 D adjustable door hinge for timber sashes up to 130 kg

PG	Description	Surface	Support	PU	Order Number
YA	Sash part 3D Ø 16 mm	bichromated	slide bearing	50	9-36593-00-0-3
		bichromated	ball bearing	50	H-00308-00-0-3
		galvanised	ball bearing	50	H-00308-00-0-1
YA	Frame part 3D Ø 16 mm	bichromated	slide bearing	50	9-36594-00-0-3
		galvanised	ball bearing	50	H-00309-00-0-3
YA	Frame part outward, left	bichromated	ball bearing	50	H-00699-00-L-3
		galvanised	ball bearing	50	H-00699-00-L-1
YA	Frame part outward, right	bichromated	ball bearing	50	H-00699-00-R-3
		galvanised	ball bearing	50	H-00699-00-R-1
YA	Frame part outward, left		slide bearing	50	H-00196-00-L-3
YA	Frame part outward, right		slide bearing	50	H-00196-00-R-3
YA	Frame part outward, safety notch			50	9-38002-00-0-3

PG	Description	Oberfläche	PU	Order Number
YA	Cover RTK (2 pieces per hinge)	white	100	9-36597-00-0-7
		brown	100	9-36597-00-0-5
		brass colour	100	9-36597-00-0-3

PG	Description	PU	Order Number
YA	Drilling jig	1	9-36599-00-0-0
YA	Drilling jig S-722 for flush doors	1	H-00412-00-0-0

Application advice

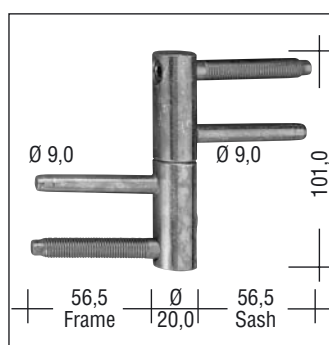
Ball bearing

With the self-lubricating ball bearing the door opens more easily which results in a longer life.

On the frame part the positions of threaded pin and guide pin were exchanged. Here, the upper pin which is exposed to a higher load is the threaded one.



H-00706, H-00308, H-00309 – ball bearing



9-37979-01, 9-37979-02
Ball bearing of steel

3 D adjustable door hinge for sashes up to 150 kg – internal and external rebated

PG	Description	Surface	PU	Order Number
YA	Sash part for internal rebated doors	bichromated	50	9-37979-01-0-3
		galvanised	50	9-37979-01-0-1
YA	Frame part for internal rebated doors	bichromated	50	9-37979-02-0-3
		galvanised	50	9-37979-02-0-1
YA	Sash part with safety pin for external rebated doors	bichromated	50	9-37980-01-0-3
		galvanised	50	9-37980-01-0-1
YA	Frame part with safety notch for external rebated doors	bichromated	50	9-37980-02-0-3
		galvanised	50	9-37980-02-0-1
YA	Cover RTK (2 pieces per hinge)	white	100	9-37981-00-0-7
		brown	100	9-37981-00-0-5
		brass colour	100	9-37981-00-0-3
YA	Drilling jig		1	9-38061-00-0-0

Hinges for heavy rebated doors



Indications to design

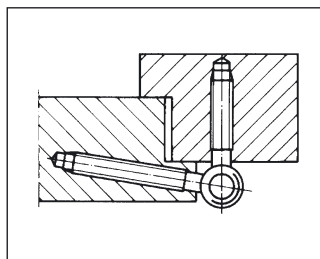
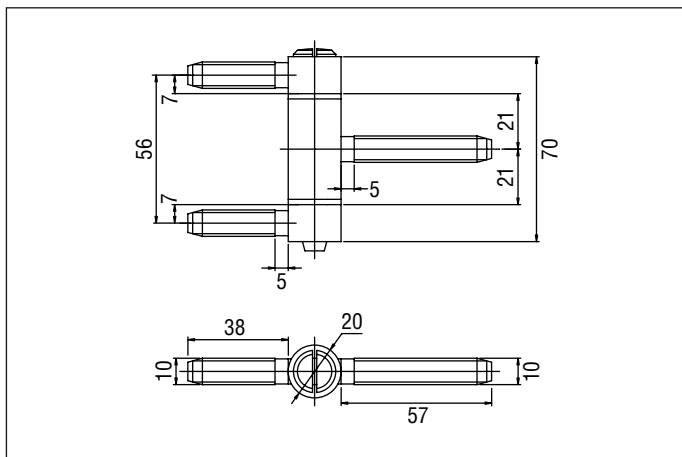
Drill-in hinge NB 210

Drill-in hinge with plastic bushes for heavy rebated doors
 height of hinge 70 mm
 roll diameter 20 mm
 max. sash weight 90 kg

Door hinge with plastic bush
 maintenance-free – for timber sashes up to 90 kg

PG	Description	Surface	PU	Order Number
YA	Drill-in hinge NB 210 maintenance-free	white	12	H-00603-00-0-7
		brown	12	H-00603-00-0-5
		bichromated	12	H-00603-00-0-3

PG	Description	PU	Order Number
YA	Drilling jig	1	H-00615-00-0-0



Rebated door



Indications to design

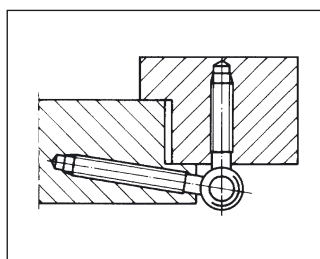
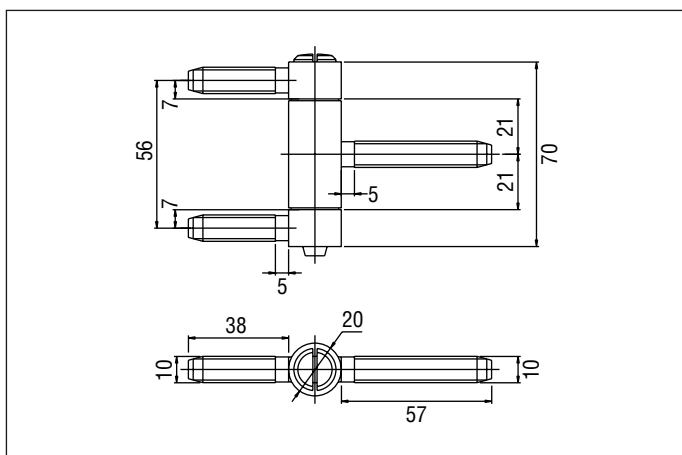
Drill-in hinge BB 210

Drill-in hinge with plastic bushes for heavy rebated doors
 height of hinge 70 mm
 roll diameter 20 mm
 max. sash weight 130 kg

Door hinge with ball bearing
 maintenance-free – for timber sashes up to 130 kg

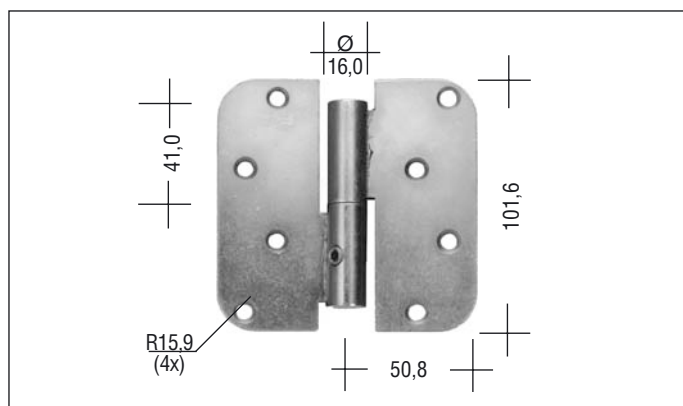
PG	Description	Surface	PU	Order Number
YA	Drill-in hinge BB 210 maintenance-free	white	12	H-00616-00-0-7
		brown	12	H-00616-00-0-5
		bichromated	12	H-00616-00-0-3

PG	Description	PU	Order Number
YA	Drilling jig	1	H-00615-00-0-0

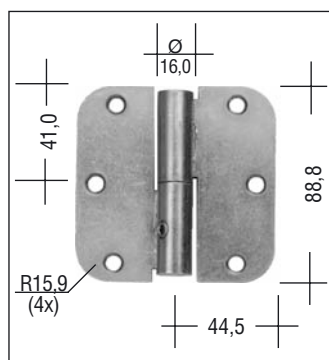


Rebated door

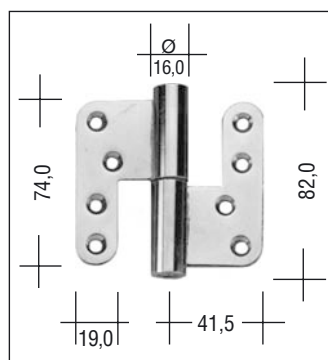
Butt hinges for flush doors



H-00209-00-*, H-00298-00-*



H-00299-00-*, H-00300-00-*



H-00301-00-*, H-00302-00-*

1 D or 3 D adjustable butt hinge for sashes up to 130 kg

PG	Description	DIN	Surface	PU	Order Number
YA	Butt hinge 1 D, 4'x4'	lh	bichromated	25	H-00209-00-L-3
		rh	bichromated	25	H-00209-00-R-3
		lh	brass plated	25	H-00209-00-L-3L
YA	Butt hinge 3 D, 4'x4'	rh	brass plated	25	H-00209-00-R-3L
		lh	bichromated	25	H-00298-00-L-3
		rh	bichromated	25	H-00298-00-R-3
YA	Butt hinge 1 D, 3,5'x3,5'	lh	bichromated	25	H-00299-00-L-3
		rh	bichromated	25	H-00299-00-R-3
		lh	brass plated	25	H-00299-00-L-3L
YA	Butt hinge 3 D, 3,5'x3,5'	rh	brass plated	25	H-00299-00-R-3L
		lh	bichromated	25	H-00300-00-L-3
		rh	bichromated	25	H-00300-00-R-3
YA	Butt hinge 1 D concealed	lh	brass plated	25	H-00300-00-L-3L
		rh	brass plated	25	H-00300-00-R-3L
		lh	bichromated	25	H-00301-00-L-3
YA	Butt hinge 3 D concealed	rh	bichromated	25	H-00301-00-R-3
		lh	bichromated	25	H-00301-00-L-3L
		rh	brass plated	25	H-00301-00-R-3L
YA	Cover RTK (2 pieces per hinge)	lh	bichromated	25	H-00302-00-L-3
		rh	bichromated	25	H-00302-00-R-3
		lh	brass plated	25	H-00302-00-L-3L
		rh	brass plated	25	H-00302-00-R-3L
YA	Cover RTK (2 pieces per hinge)	white		100	9-36597-00-0-7
		brown		100	9-36597-00-0-5
		brass colour		100	9-36597-00-0-3

Note:
For fixing screws see catalogue chapter YS „Fixings“

Application advice

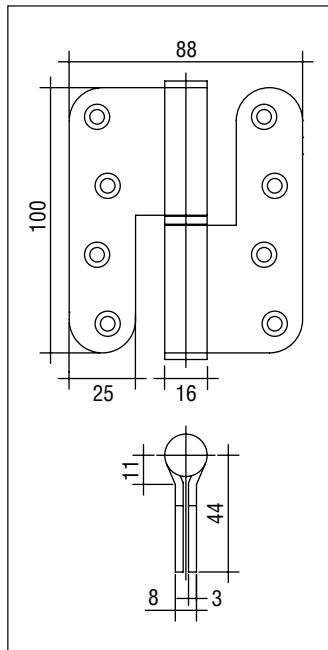
1 D or 3 D adjustable

Butt hinges for flush doors come in three different types. Each type is available in 1 way adjustable (vertical adjustment) or 3 D adjustable version. The 1 way adjustment is carried out from the side and is only possible when the door is open.

The vertical and the horizontal adjustment on 3 D adjustable hinges is carried out from underneath with two different Allen keys. Closing pressure adjustment and horizontal adjustment are possible in one operation via eccentric bolt. The adjusted position is fixed with a screw located on the side of the frame part.



Butt hinges for flush doors



Application advice

Butt hinge RD 25

Lift-off door hinge with rounded ends, with fixed pin and stainless steel bearing ring

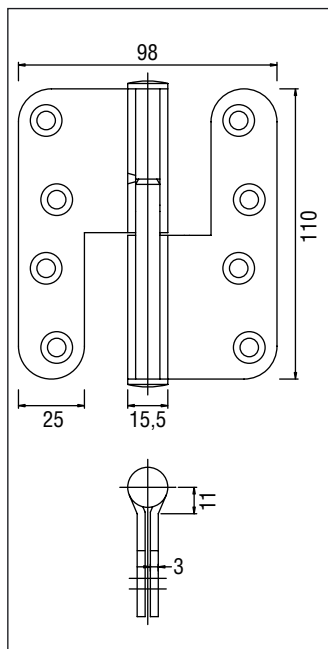
height of hinge	100 mm
end diameter	16 mm
material thickness	3 mm
max. sash weight	50 kg

Butt hinge for sashes up to 50 kg with fixed pin and stainless bearing ring

PG	Description	DIN	Surface	PU	Order Number
YA	Butt hinge RD 25	lh	satin stainless steel	10	H-00601-00-L-8
		rh	satin stainless steel	10	H-00601-00-R-8

Note:

For fixing screws see catalogue chapter YS „Fixings“



Application advice

Butt hinge QR 1

Screw-on hinge with rounded ends and fixed pin

height of hinge	110 mm
end diameter	15,5 mm
material thickness	3 mm
max. sash weight	55 kg

Butt hinge for sashes up to 55 kg with fixed pin and rounded corners

PG	Description	DIN	Surface	PU	Order Number
YA	Butt hinge QR 1	lh	Stainless steel	10	H-00602-00-L-8
		rh	Stainless steel	10	H-00602-00-R-8
		lh	galvanized	10	H-00602-00-L-1
		rh	galvanized	10	H-00602-00-R-1

Note:

For fixing screws see catalogue chapter YS „Fixings“

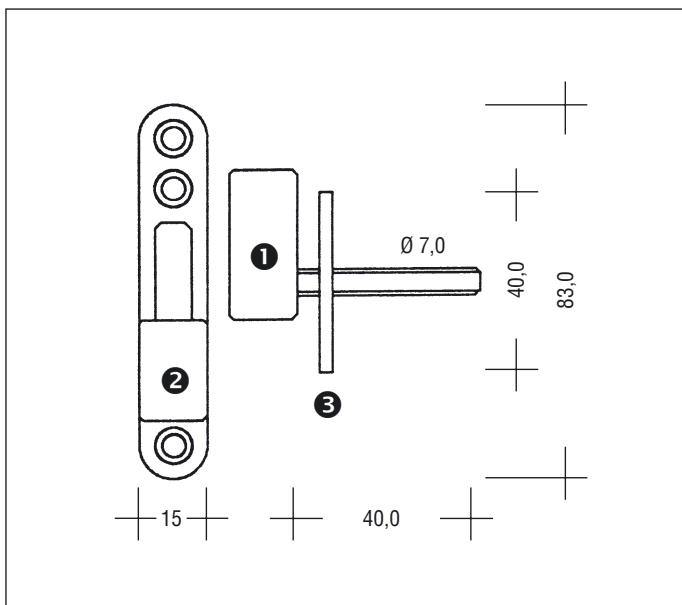
Side hung sash hinges



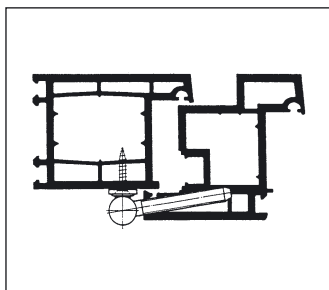
Side hung sash hinge – with covers



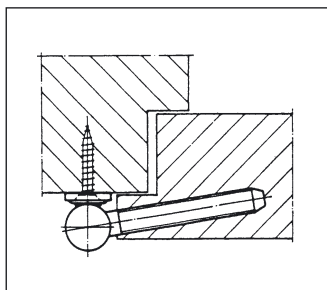
Side hung sash hinge WF – H-00244-00-0-*, H-00245-00-0-*



Window hinge – shown without covers



Assembly in PVC window



Assembly in timber windows

Side hung sash hinge sideways adjustable, for sashes up to 80 kg

PG	Description	Surface	PU	Order Number
YA	Sash part ❶	galvanised	300	9-36945-00-0-1
		bichromated	300	9-36945-00-0-3
		white	250	9-36945-00-0-7
		brown	250	9-36945-00-0-5
YA	Frame part ❷	galvanised	300	9-36946-00-0-1
		bichromated	300	9-36946-00-0-3
		white	250	9-36946-00-0-7
		brown	250	9-36946-00-0-5
YA	Cover Sash	white	300	9-36948-00-0-7
		brown	300	9-36948-00-0-5
YA	Cover Frame	white	300	9-36947-00-0-7
		brown	300	9-36947-00-0-5
YA	Short screw-on plate ❸ 40 mm	white	300	9-36949-00-0-7
		brown	300	9-36949-00-0-5

Drilling jigs

PG	Description	Schräge	PU	Order Number
YA	Drilling jig for side hung sash	0°	1	9-36954-00-0-0
		4,5°	1	9-36954-01-0-0
YA	Drilling jig for side hung sash adjustable	0°	1	9-36954-02-0-0
		4,5°	1	9-36954-03-0-0

Note:

For fixing screws see catalogue chapter YS „Fixings“

Maintenance-free side hung sash WF, sideways adjustable, for sashes up to 80 kg

PG	Description	Surface	PU	Order Number
YA	Sash part WF ❶	white	250	H-00244-00-0-7
		brown	250	H-00244-00-0-5
YA	Frame part WF ❷	white	250	H-00245-00-0-7
		brown	250	H-00245-00-0-5
YA	Short screw-on plate ❸ 40 mm	white	300	9-36949-00-0-7
		brown	300	9-36949-00-0-5

Note:

For fixing screws see catalogue chapter YS „Fixings“

Window and door hinges for slim profiles



Sash part and cover, frame part and cover

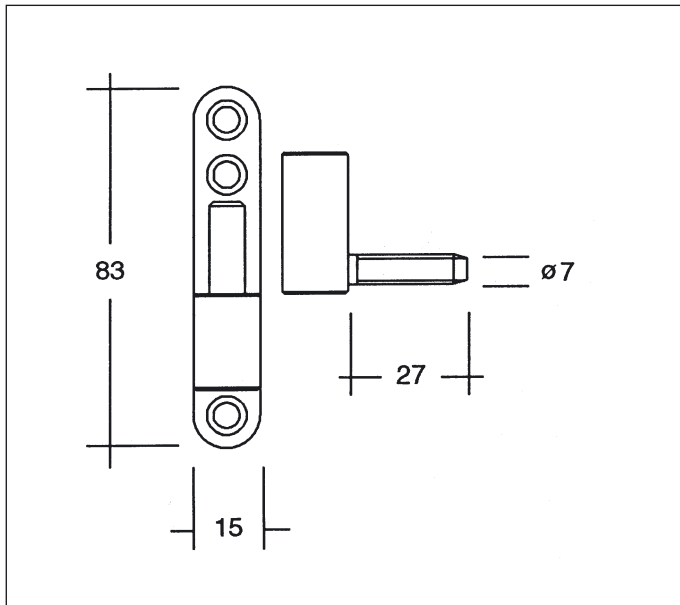
Window hinges sideways adjustable for sashes up to 60 kg

PG	Description	Surface	PU	Order Number
YA	Sash part with pin 27,0 mm		300	H-00001-00-0-1
YA	Frame part		300	9-36946-00-0-1
YA	Cover frame part	white brown	300	9-36947-00-0-7 9-36947-00-0-5
YA	Cover sash part	white brown	300	9-36948-00-0-7 9-36948-00-0-5
YA	Box of short pin window hinge	white brown	300	H-90001-00-0-7 H-90001-00-0-5
YA	Drilling jig for side hung sash 4,5°		1	9-36954-01-0-0

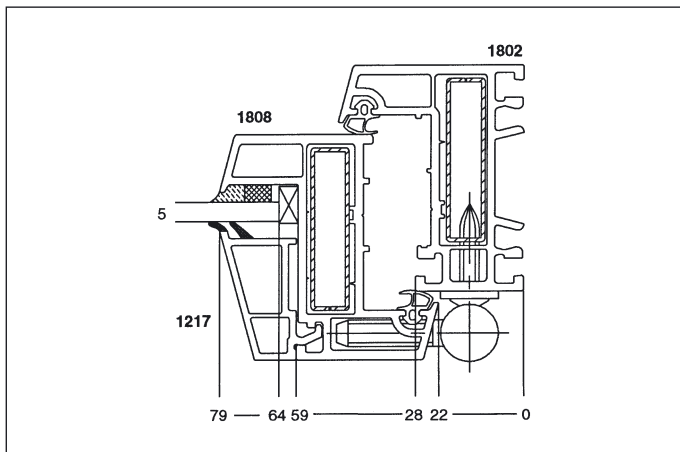
Note:

For fixing screws see catalogue chapter YS „Fixings“

Window hinge shown with covers

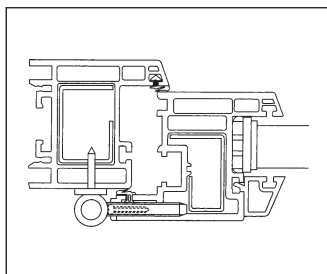


Window hinge shown without covers



Assembly example (dimensions in mm)

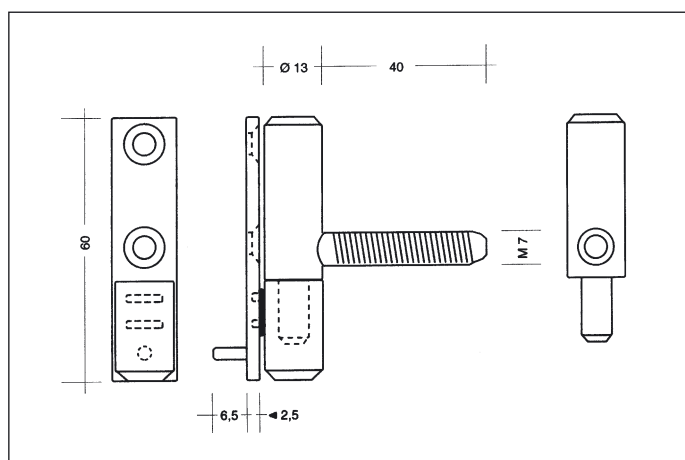
Side hung sash hinges



Side hung sash hinge with concealed screw fixing for sashes up to 80 kg

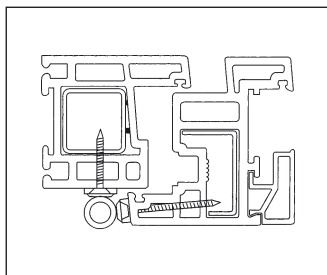
PG	Description	Surface	PU	Order Number
YA	Sash part with pin	white	250	H-00021-00-0-7
		brown	250	H-00021-00-0-5
YA	Frame part with socket	white	250	H-00022-00-0-7
		brown	250	H-00022-00-0-5
YA	Short screw-on plate 40 mm	white	300	9-36949-00-0-7
		brown	300	9-36949-00-0-5
YA	Drilling jig for SH hinge with pin		1	H-00146-00-0-0

Note:
For fixing screws see catalogue chapter YS „Fixings“



The elegant solution

The frame part of the side hung sash hinge is fixed with screws. With the sash closed the screws are concealed by the sash part of the hinge.



Side hung sash hinge with both parts screw-on for timber and PVC profiles for sashes up to 80 kg

PG	Description	Surface	PU	Order Number
YA	Screw-on sash part	galvanised	300	H-00147-00-0-1
		bichromated	300	H-00147-00-0-3
		brown	250	H-00147-00-0-5
		white	250	H-00147-00-0-7
YA	Screw-on frame part	galvanised	300	9-36946-00-0-1
		bichromated	300	9-36946-00-0-3
		brown	250	9-36946-00-0-5
		white	250	9-36946-00-0-7
YA	Drilling jig for screw-on SH sash		1	H-00148-00-0-0

Application advice

Screwing onto frame:

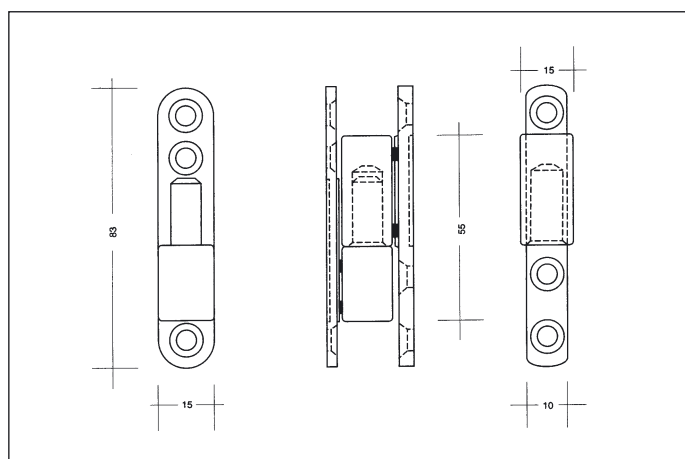
Predrill into reinforcement with 3 mm high speed drill (H-00371-30-0-0) and fix with M2 screw.

Screwing into timber:

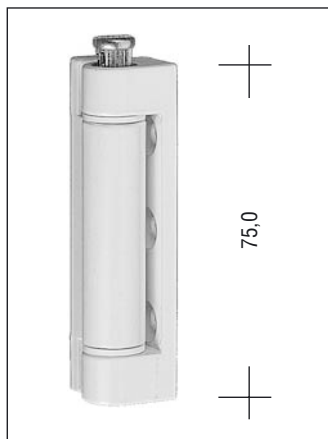
Both frame part and sash part are fixed with a 4 mm ABC-Spax S (H-00110-35-0-3). Recommended minimum length 35 mm.

Screwing onto sash:

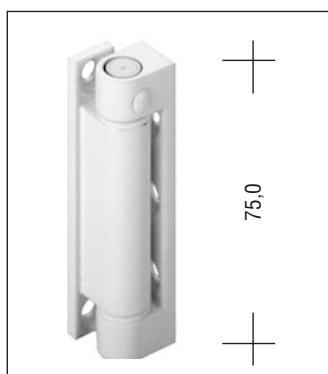
Screw into 3rd chamber with D1 screw.



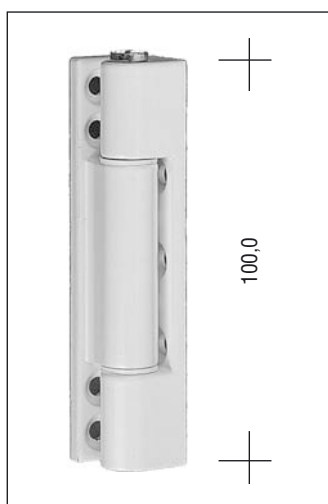
Butt hinges



Required space at the side: 20 mm



Stainless steel pin – pin securing device



Required space at the side: 20 mm

Light duty butt hinge length 75 mm, for sashes up to 60 kg

PG	Description	Surface	PU	Order Number
YA	Butt hinge	white	20	9-37134-00-0-7
		brown	20	9-37134-00-0-5
		silver	20	9-37134-00-0-1
YA	Butt hinge, stainless steel pin	white	20	H-00287-00-0-7
		brown	20	H-00287-00-0-5
YA	Butt hinge, stainless steel pin and pin securing device	white	20	H-00288-00-0-7
		brown	20	H-00288-00-0-5
YA	Butt hinge, 5° inclination	white	20	9-37159-00-0-7
		brown	20	9-37159-00-0-5
YA	Drilling jig		1	9-37561-00-0-0

Note:

For fixing screws see catalogue chapter YS „Fixings“

Application advice

Application

The main application of the light duty butt hinge, because of its fixed pin, is as tilt sash hinge in conjunction with our PUNTUS F 200 fan light fittings.

It is also suitable for side hung sash windows and light doors.

Protection against corrosion

Butt hinges with stainless steel pin have an increased protection against corrosion. The additional pin securing device improves the protection against burglary on sashes opening outward.

Heavy duty butt hinge length 100 mm, for sashes up to 80 kg

PG	Description	Surface	PU	Order Number
YA	Butt hinge 100 mm, 0°	white	20	9-37164-00-0-7
		brown	20	9-37164-00-0-5
		silver	20	9-37164-00-0-1
YA	Butt hinge 100 mm, 5°	white	20	9-37165-00-0-7
		brown	20	9-37165-00-0-5
YA	Drilling jig		1	9-37561-00-0-0

Note:

For fixing screws see catalogue chapter YS „Fixings“

Application advice

Application

The main application of the heavy duty butt hinge, because of its fixed pin, is as tilt sash hinge in conjunction with our VENTUS F 300 fan light fittings.

It is also suitable for large side hung sash windows and doors.

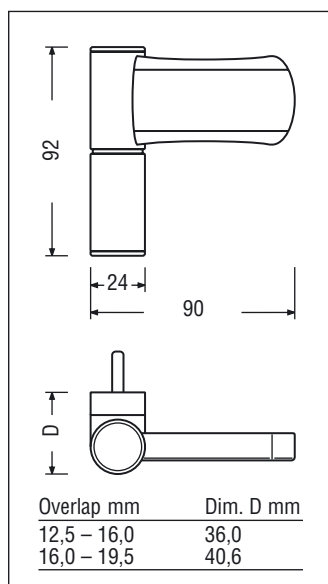
PVC entrance door hinge FH – 3 D adjustable for sashes up to 100 kg



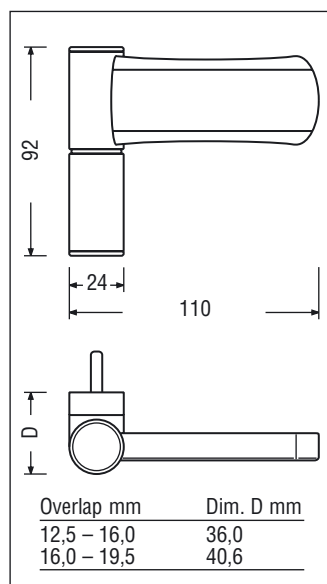
PVC door hinge FH 90
H-00310-09-0-*



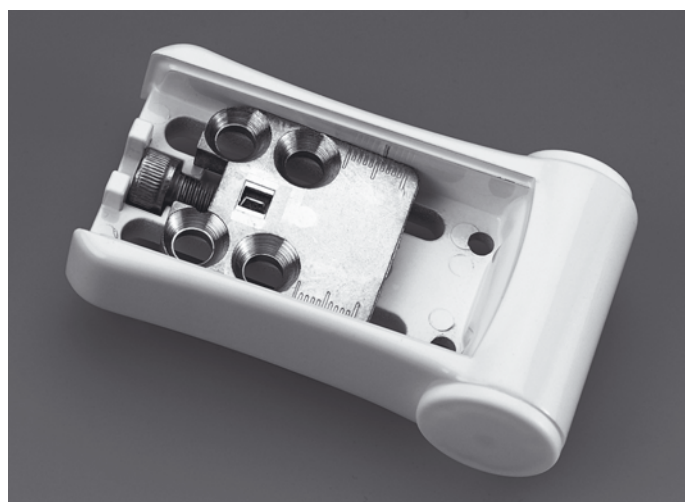
PVC door hinge FH 110
H-00310-11-0-*



PVC door hinge FH 90
Sash part 90 mm



PVC door hinge FH 110
Sash part 110 mm



Sash hinge with advantages: A wide setting range of ± 5 mm facilitates the adjustment of the door sash after assembly.

PVC entrance door hinge FH 3 D adjustable – for sashes up to 100 kg

PG	Description	Surface	PU	Order Number
YA	PVC door hinge FH 90	RAL colour	50	H-00310-09-0-9
	Sash part 90 mm	white	50	H-00310-09-0-7
	Overlap 12,5 – 16,0 mm	brown	50	H-00310-09-0-5
	Individual packing	brass colour	50	H-00310-09-0-3
YA	PVC door hinge FH 110	RAL colour	50	H-00310-11-0-9
	Sash part 110 mm	white	50	H-00310-11-0-7
	Overlap 12,5 – 16,0 mm	brown	50	H-00310-11-0-5
	Individual packing	brass colour	50	H-00310-11-0-3
YA	PVC door hinge FH 90	RAL colour	24	H-00802-09-0-9
	Sash part 90 mm	white	24	H-00802-09-0-7
	Overlap 12,5 – 16,0 mm	brown	24	H-00802-09-0-5
	Industrial packing	brass colour	24	H-00802-09-0-3
YA	PVC door hinge FH 110	RAL colour	24	H-00802-11-0-9
	Sash part 110 mm	white	24	H-00802-11-0-7
	Overlap 12,5 – 16,0 mm	brown	24	H-00802-11-0-5
	Industrial packing	brass colour	24	H-00802-11-0-3
YA	PVC door hinge FH 90	RAL colour	50	H-00816-09-0-9
	Sash part 90 mm	white	50	H-00816-09-0-7
	Overlap 16,0 – 19,5 mm	brown	50	H-00816-09-0-5
	Individual packing	brass colour	50	H-00816-09-0-3
YA	PVC door hinge FH 110	RAL colour	50	H-00816-11-0-9
	Sash part 110 mm	white	50	H-00816-11-0-7
	Overlap 16,0 – 19,5 mm	brown	50	H-00816-11-0-5
	Individual packing	brass colour	50	H-00816-11-0-3
YA	PVC door hinge FH 90	RAL colour	24	H-00817-09-0-9
	Sash part 90 mm	white	24	H-00817-09-0-7
	Overlap 16,0 – 19,5 mm	brown	24	H-00817-09-0-5
	Industrial packing	brass colour	24	H-00817-09-0-3
YA	PVC door hinge FH 110	RAL colour	24	H-00817-11-0-9
	Sash part 110 mm	white	24	H-00817-11-0-7
	Overlap 16,0 – 19,5 mm	brown	24	H-00817-11-0-5
	Industrial packing	brass colour	24	H-00817-11-0-3
YA	Cover 3D for FH hinge	white	50	H-00803-00-0-7
		brown	50	H-00803-00-0-5
YA	Cover small for FH hinge	white	50	H-00812-00-0-7
		brown	50	H-00812-00-0-5

PG	Description	Thickness mm	Surface	PU	Order Number
YA	Pad for FH hinge	1,5	white	50	H-00796-00-0-7
		1,5	brown	50	H-00796-00-0-5
		1,5	grey	50	H-00796-00-0-1
YA	Pad for FH hinge	3,0	white	50	H-00797-00-0-7
		3,0	brown	50	H-00797-00-0-5
		3,0	grey	50	H-00797-00-0-1
YA	Pad for FH hinge	5,0	white	50	H-00798-00-0-7
		5,0	brown	50	H-00798-00-0-5
		5,0	grey	50	H-00798-00-0-1
YA	Screws for FH hinge			1000	H-00799-40-0-1
YA	Drilling jig for FH hinge			1	H-00311-00-0-0

Legend:
 white = to look similar RAL 9016
 brown = to look similar RAL 8019
 grey = to look similar RAL 7035

PVC entrance door hinge FH – 3 D adjustable for sashes up to 100 kg

Application advice

Advantages

- The entrance door hinge is 3 D adjustable in assembled condition.
- The eccentric bolt is pre-set for an overlap thickness of 18,3 / 24,0 mm.
Setting range:
15 – 20 / 21 – 27 mm
- The frame part of the hinge is fixed with screws from the front.
- The bearing is inserted according to the opening direction of the door: the hinge can be used DIN left and right.
- No change of drills during assembly. All drillings for screws and guide pins are carried out with 5mm HSS drill H-00371-50-0-0.



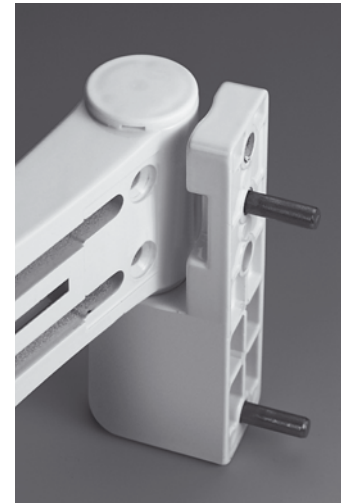
Pre-set frame part

The frame part is pre-set by the manufacturer for an overlap thickness of 18,3 / 24,0 mm. Via an eccentric bolt the hinge can be adjusted to overlap thicknesses of 15 – 20 / 21 – 27 mm.



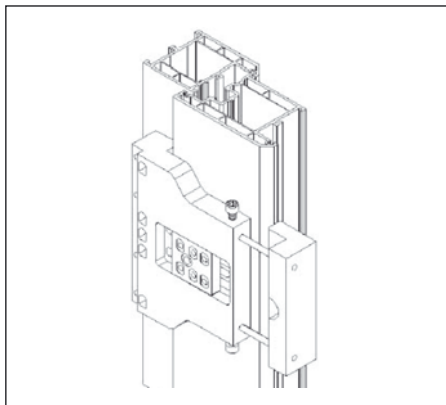
An efficient solution

The PVC entrance door hinge FH can easily be mounted in the workshop and 3 D adjusted on site after the installation of the door. The result is an economic manufacture of the door and a quick adjustment of the door sash on site.

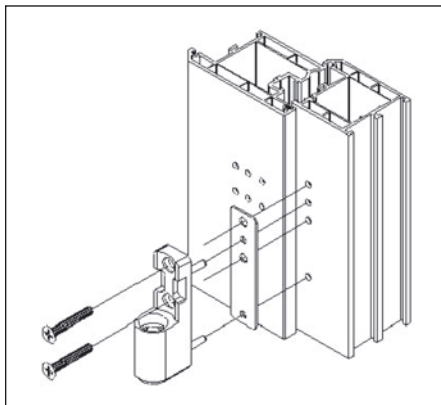


PVC door hinge FH – mounting instructions

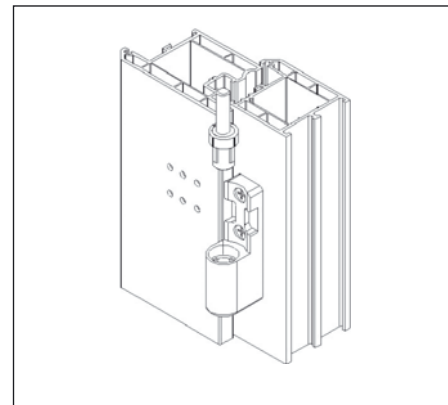
YA



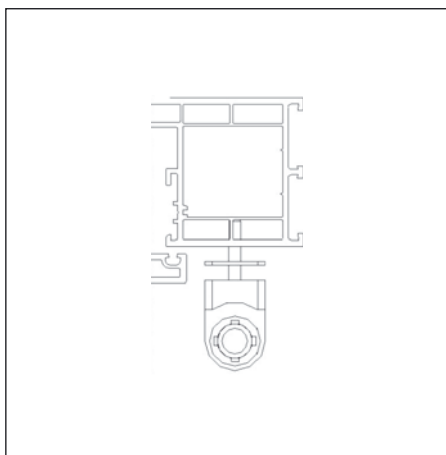
Place, position and brace the drilling jig on the overlap.



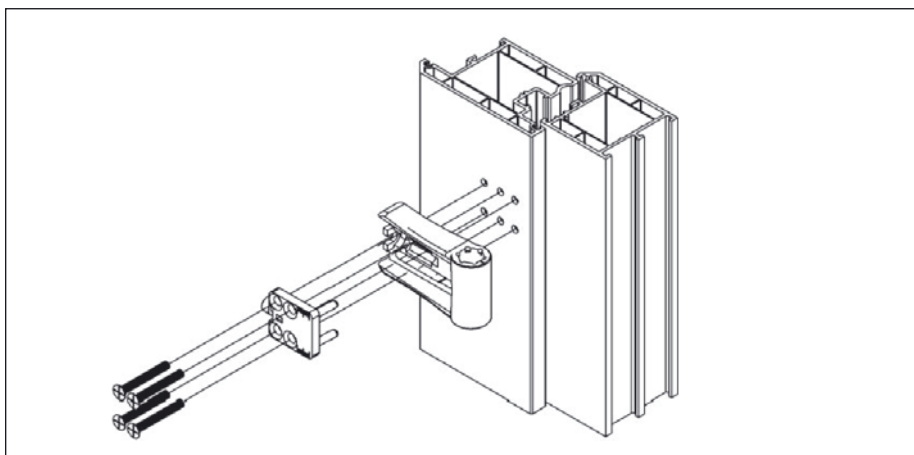
Pre-drill all holes for DIN lh and rh with 5,0 mm HSS-drill (H-00371-50-0-0).



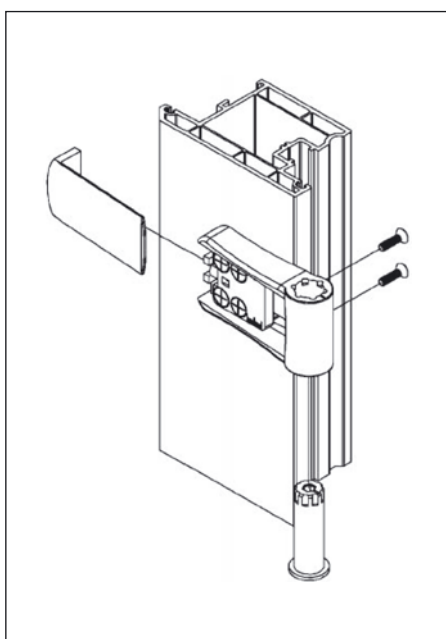
Set the eccentric bolt according to the overlap height. Overlap pre-set by the manufacturer 18,3 mm.



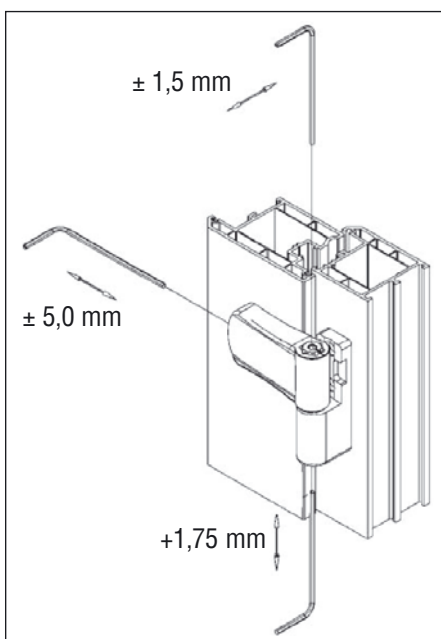
Equalizing the overlap:
By using two supports each 1,5 mm thick under the frame part.



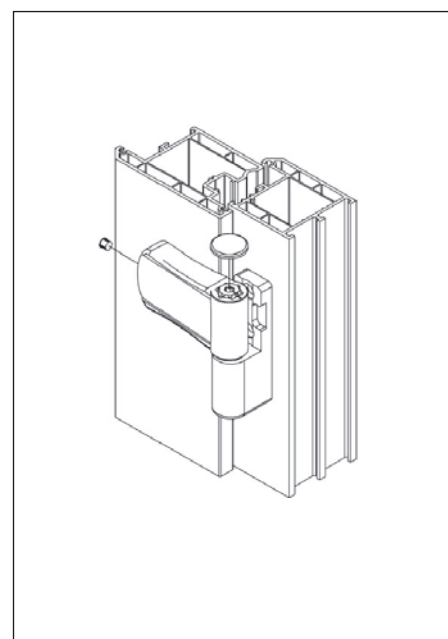
The sash part is fixed from the front with screws included in the delivery.



The cap for the sash part is pushed on from the front and invisibly fixed from behind with two screws.



The 3 D adjustment is possible on the hinged sash.



Finally put on the cover caps on the adjustment screws on the top and at the side. Finished.

Heavy duty entrance door hinge – 3 D adjustable for sashes up to 120 kg



PVC entrance door hinge KT-A – heavy duty version 3 D adjustable

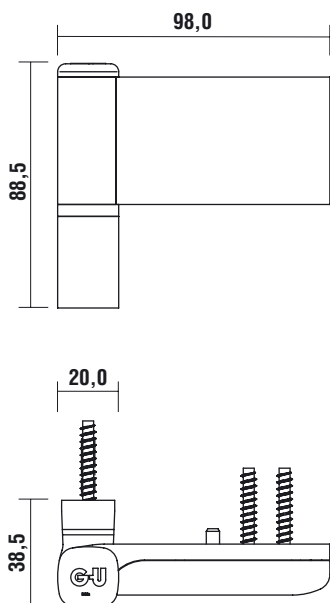
PG	Description	Surface Cover	Surface	PU	Order Number
YA	PVC door hinge KT-A Overlap 15-20 mm	black	white brown	25 25	H-00627-00-0-7 H-00627-00-0-5
YA	PVC door hinge KT-A Overlap 15-20 mm	black	white	25	H-00783-00-0-7
YA	PVC door hinge KT-A Overlap 18-23 mm	white black	white brown	25 25	H-00804-00-0-7 H-00804-00-0-5

Drilling jig

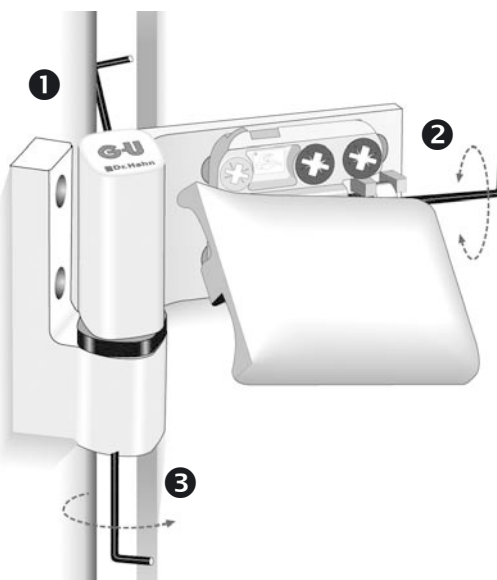
PG	Description	PU	Order Number
YA	Drilling jig for door hinge KT-A	1	9-38067-00-0-0

The drilling jig is used to fix both sash and frame parts.

Dimensions



Adjusting the door hinge



Hinge 3 D adjustable:

- ① Sash rebate depth/pressure 15 up to 20 mm $\pm 0,5$ mm
- ② Horizontal adjustment ± 5 mm
- ③ Vertical adjustment $+4$ mm

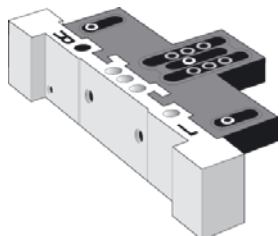
Application advice

Advantages

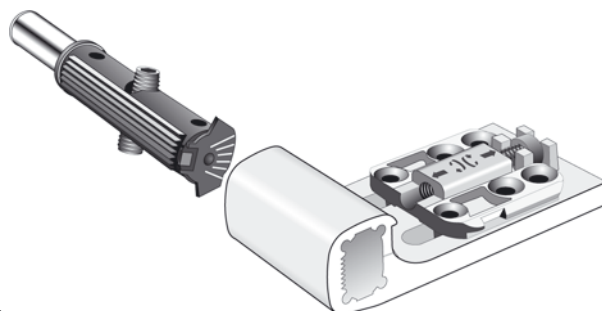
- suitable DIN rh and DIN lh
- attractive design "Softline"
- hinge body made from extruded aluminium
- non-corrosive and non-wearing bearing bolt made from stainless steel
- all bearing and guiding parts free from play
- suitable for all standard sash rebate thicknesses from 15 up to 20 mm
- all components fixed tightly in the hinge body – no problems during transport and assembly of the door
- drilling jig KT-V / KT-E
- all adjustments can be carried out by one person only

- stepless vertical adjustment from zero position
- carry out vertical adjustment on lower hinge only and the upper hinges simply adapt

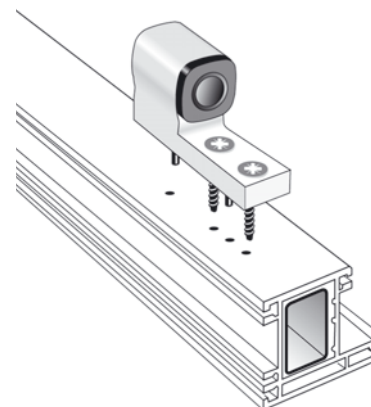
Drilling jig



Sash and frame part



The bearing is inserted according to the opening direction of the door.



The frame part is screwed on directly from the front.

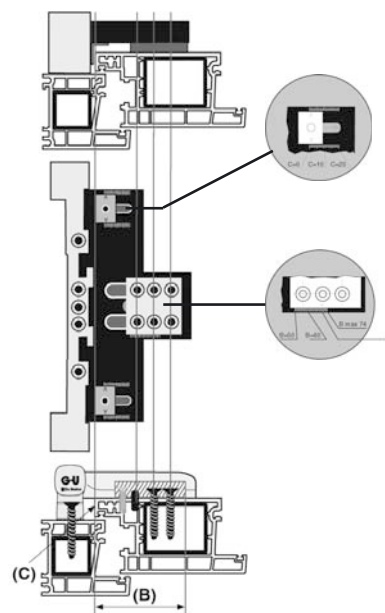


No lubricating oil!

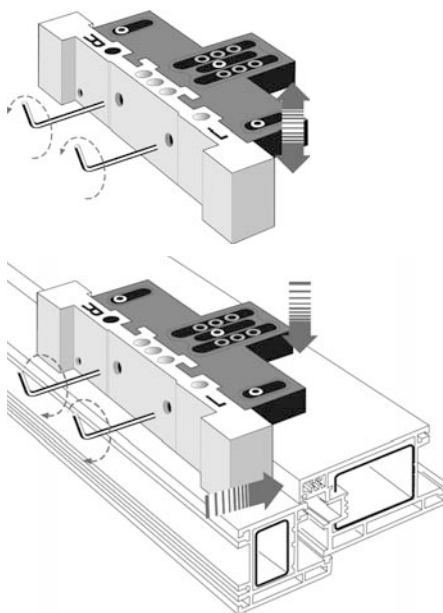
The bearing is made from absolutely maintenance-free plastic containing teflon. Under no circumstances lubricate!

PVC entrance door hinge KT-A – mounting instructions

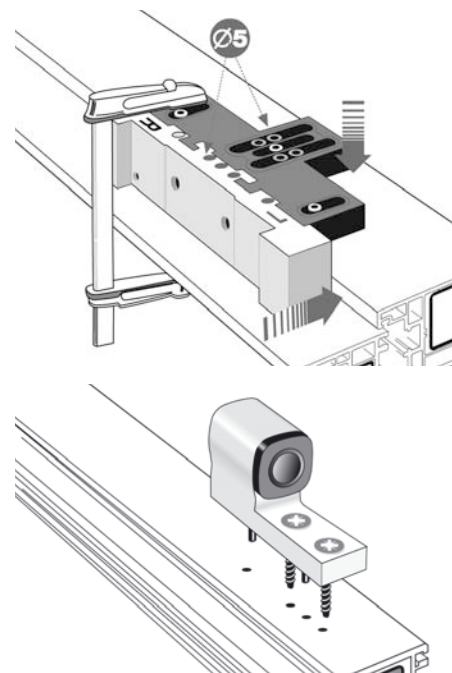
Mounting the frame part



1. Adjust drilling jig
 - Dim B according to mounting plan
 - Dim C according to mounting plan

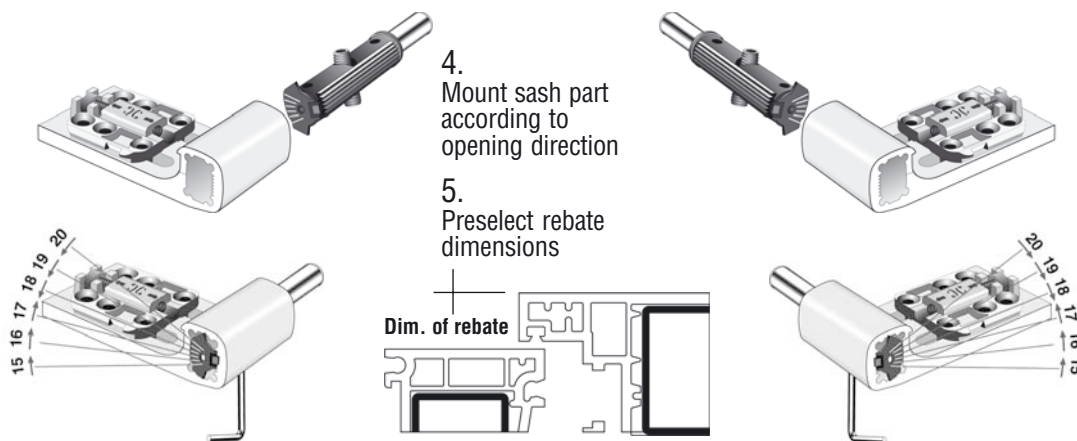


2. Adjust rebate



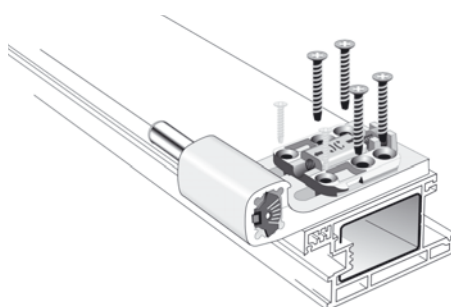
3.
 - Position and fix drilling jig on rebate, predrill sash and frame for later screw fixing with $\varnothing 5$ mm (H-00371-50-0-0)
 - Screw on frame part

Mounting the sash part

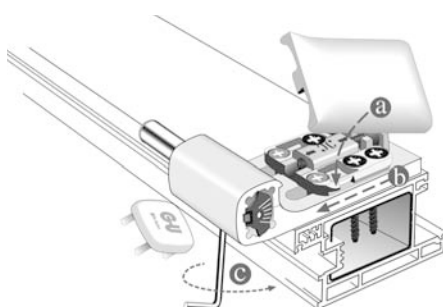


4. Mount sash part according to opening direction

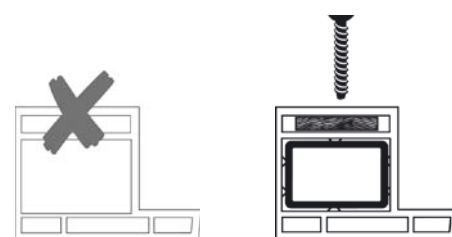
5. Preselect rebate dimensions



6. Position and fix sash part
 - + 6 x 40 mm (screws included in delivery)

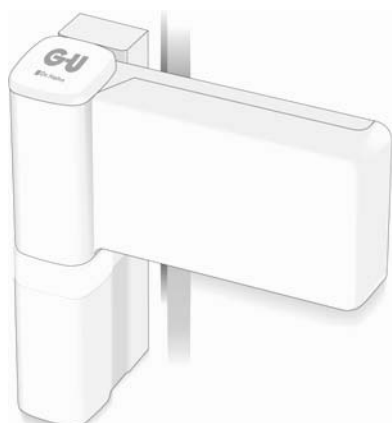


7. Insert frame cover (a) in recess and push into position (b). Tighten security screw (c).



- No fixing to profiles without reinforcement

Heavy duty entrance door hinge with direct screw fixing – 3 D adjustable for sashes up to 120 kg



Heavy duty PVC door hinge KT-V 6R 3 D adjustable

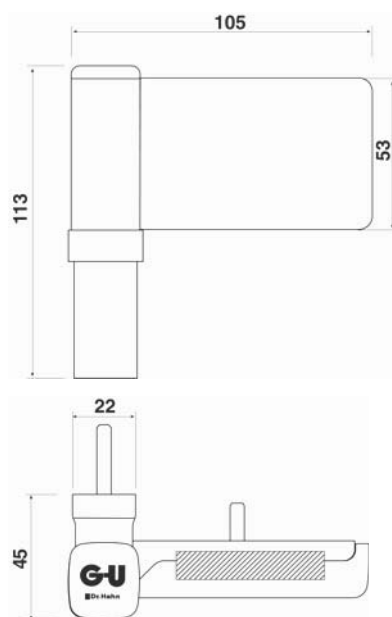
G	Description	Type / Packing	Surface	PU	Order Number
YA	PVC door hinge KT-V 6R Sash rebate thickness 15-20 mm	7368-16 individual packing	white	25	9-38065-00-0-7
		7368-77	brown	25	9-38065-00-0-5
YA	PVC door hinge KT-V 6R Sash rebate thickness 15-20 mm	7368-16 pallet box	white	24	H-00187-00-0-7
		7368-77	brown	24	H-00187-00-0-5
YA	PVC door hinge KT-V 6R Sash rebate thickness 18-23 mm	7369-16 individual packing	white	25	H-00183-00-0-7
		7369-77	brown	25	H-00183-00-0-5
YA	PVC door hinge KT-V 6R Sash rebate thickness 18-23 mm	7369-16 pallet box	white	24	H-00184-00-0-7
		7369-77	brown	24	H-00184-00-0-5
YA	PVC door hinge KT-V 6R Sash rebate thickness 22-27 mm	K540G0006	white	25	H-00784-00-0-7
		K54050006	brown	25	H-00784-00-0-5

Drilling jig

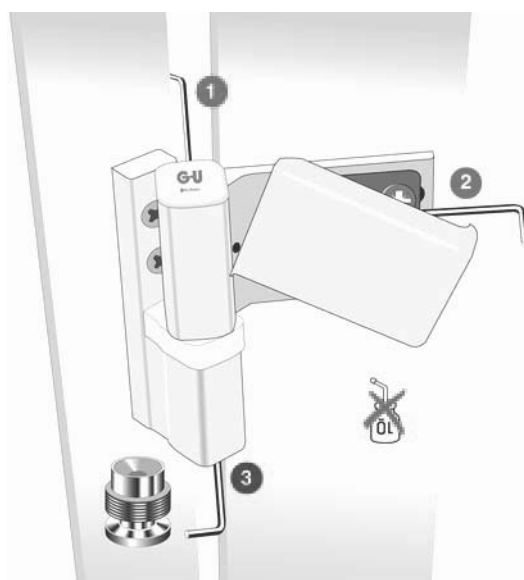
PG	Description	PU	Order Number
YA	Drilling jig for door hinge KT-V	1	9-38067-00-0-0

The drilling jig is used to fix both sash and frame parts.

Dimensions

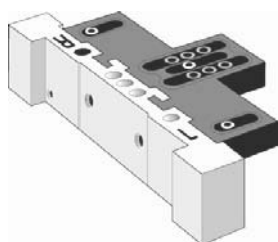


Adjusting the door hinge

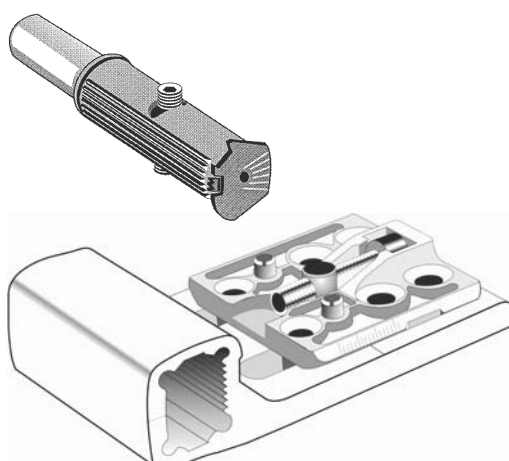


- ① Sash rebate depth/pressure 15 up to 20 mm $\pm 0,5$ mm
- ② Horizontal adjustment ± 5 mm
- ③ Vertical adjustment $+4 / -3$ mm

Drilling jig



Sash and frame part



The bearing is inserted according to the opening direction of the door.



The frame part is screwed on directly from the front.

Universal entrance door hinge with direct screw fixing – 3 D adjustable for sashes up to 120 kg



Universal entrance door hinge KT-N 6R 3 D adjustable

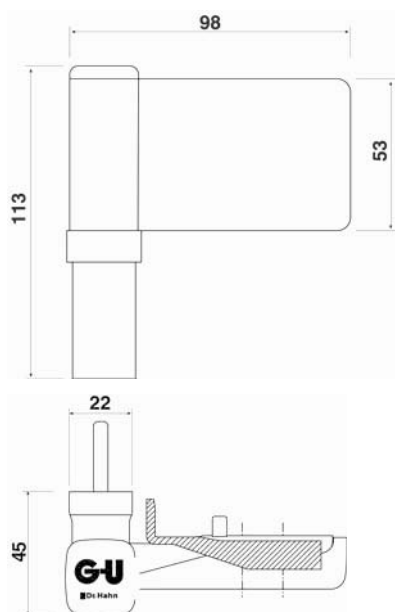
PG	Description	Type / Packing	Surface	PU	Order Number
YA	Universal door hinge KT-N 6R Sash rebate thickness 15-20 mm	7268-16 individual packing	white	25	9-37564-00-0-7
		7268-77	brown	25	9-37564-00-0-5
YA	Universal door hinge KT-N 6R Sash rebate thickness 15-20 mm	7268-16 pallet box	white	24	H-00181-00-0-7
		7268-77	brown	24	H-00181-00-0-5
YA	Universal door hinge KT-N 6R Sash rebate thickness 18-23 mm	7269-16 individual packing	white	25	H-00173-00-0-7
		7269-77	brown	25	H-00173-00-0-5
YA	Universal door hinge KT-N 6R Sash rebate thickness 18-23 mm	7269-16 pallet box	white	24	H-00174-00-0-7
		7269-77	brown	24	H-00174-00-0-5
YA	Universal door hinge KT-N 6R Sash rebate thickness 22-27 mm	K440G0006	white	25	H-00758-00-0-7
		K440S0006	brown	25	H-00758-00-0-5

Drilling jig

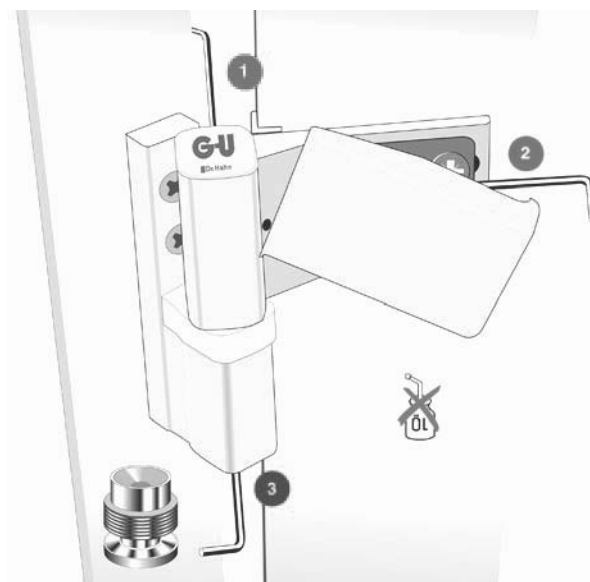
PG	Description	PU	Order Number
YA	Drilling jig for door hinge KT-N	1	9-37562-00-0-0

The drilling jig is used to fix both sash and frame parts.

Dimensions



Adjusting the door hinge

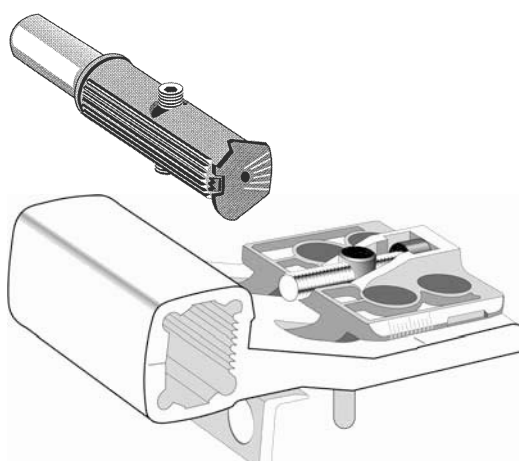


- ① Sash rebate depth/pressure 15 up to 20 mm $\pm 0,5$ mm
- ② Horizontal adjustment ± 5 mm
- ③ Vertical adjustment $+4 / -3$ mm

Drilling jig



Sash and frame part

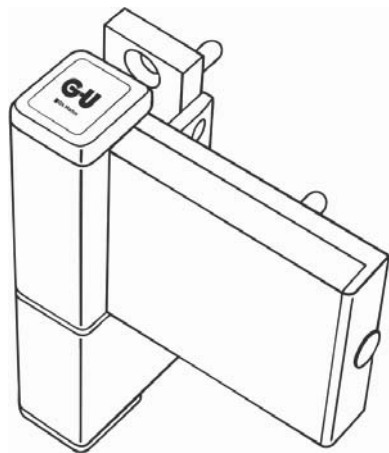


The bearing is inserted according to the opening direction of the door.



The frame part is screwed on directly from the front.

Light duty entrance door hinge for slim profiles – 3 D adjustable for sashes up to 120 kg



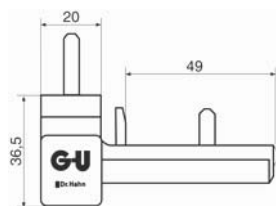
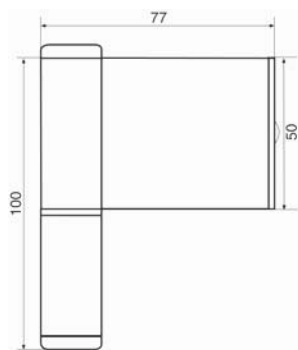
Light duty PVC entrance door hinge KT-K 3-dimensional adjustable

PG	Description	Surface	PU	Order Number
YA	PVC door hinge KT-K	white	50	H-00002-00-0-7
		brown	50	H-00002-00-0-5

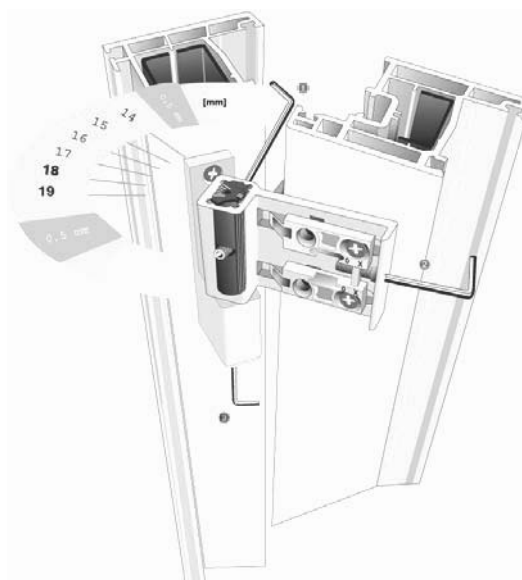
Drilling jig

PG	Description	PU	Order Number
YA	Drilling jig for door hinge KT-K	1	H-00003-00-0-0

Dimensions



Adjusting the door hinge



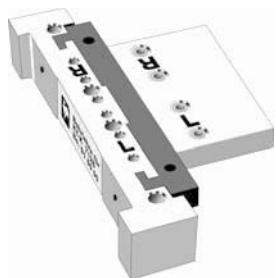
- 1 Sash rebate depth/pressure 15 up to 20 mm $\pm 0,5$ mm
- 2 Horizontal adjustment ± 5 mm
- 3 Vertical adjustment $+5$ mm



No lubricating oil!

The bearing is made from absolutely maintenance-free plastic containing teflon. Under no circumstances lubricate!

Drilling jig



Entrance door hinge with direct screw fixing – 3 D adjustable for sashes up to 100 kg



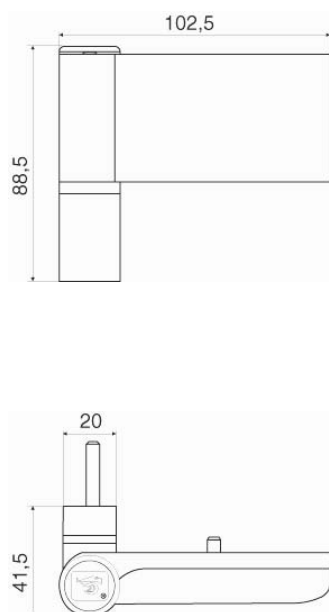
PVC entrance door hinge KT-E 3 D adjustable

PG	Description	Surface	PU	Order Number
YA	PVC door hinge KT-E	RAL 9016	24	H-00171-00-0-7
		RAL 8077	24	H-00171-00-0-5

Drilling jig

PG	Description	PU	Order Number
YA	Drilling jig KT-E	1	9-38067-00-0-0

Dimensions



Adjusting the door hinge



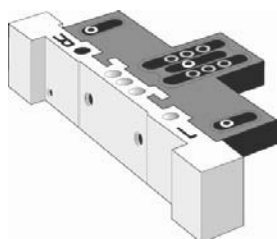
Sash rebate depth/pressure 15 up to 20 mm
Horizontal adjustment ±5 mm
Vertical adjustment +3 mm

Application advice

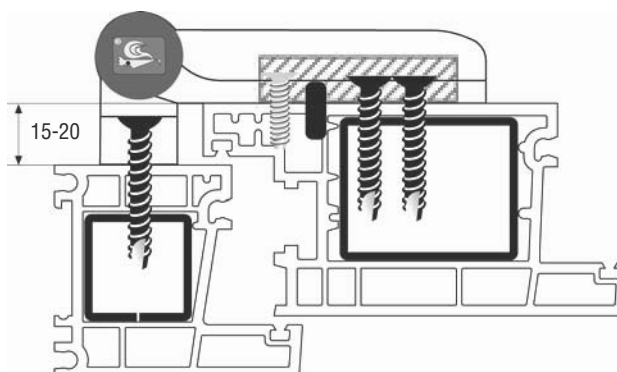
- hinge body made from extruded aluminium
- all screws included in the delivery
- non-corrosive and non-wearing bearing bolt made from a special high quality aluminium alloy
- all bearing and guiding parts free from play
- elevating screw is secured during transport
- suitable for all standard sash rebate thicknesses from 15 up to 20 mm
- all components fixed tightly in the hinge body – no problems during transport and assembly of the door
- no need to unhinge door for removal of bearing bolt
- drilling jig KT-V / KT-E
- all adjustments can be carried out by one person only
- integrated anti-burglary protection without separate components

- stepless vertical adjustment from zero position
- carry out vertical adjustment on lower hinge only and simply adapt the upper hinges

Drilling jig



Assembly example



Sash rebate thickness 15-20 mm

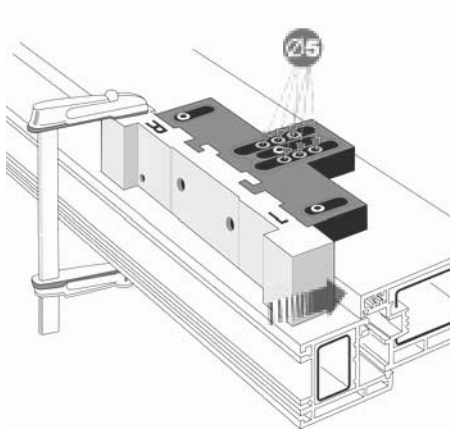


No lubricating oil!

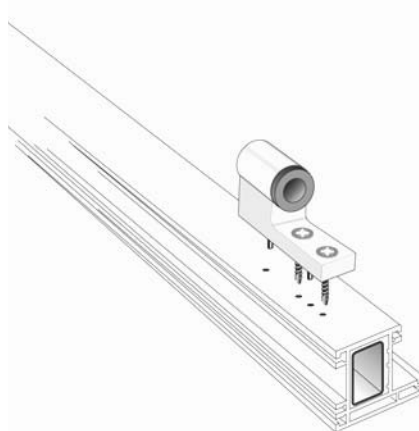
The bearing is made from absolutely maintenance-free plastic containing teflon. Under no circumstances lubricate!

PVC entrance door hinge KT-E – Mounting instructions

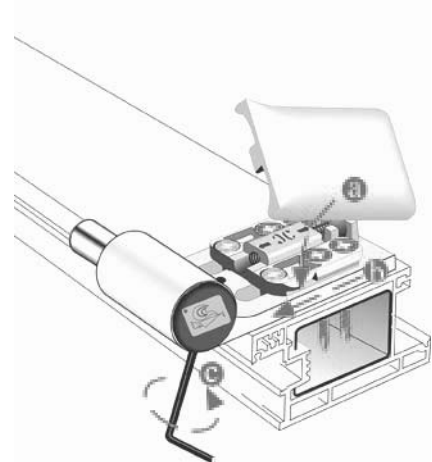
Mounting sash and frame parts



1. Position and fix drilling jig on rebate, predrill sash and frame for later screw fixing with Ø 5 mm



2. Place and mount frame and sash part



3. Adjust eccentric bolt and shells according to rebate thickness and recommendations given in the assembly drawing
 – observe assembly direction rh/lh
 – insert eccentric bolt from below as far as it will go, eccentric shells from above
 – hinge cover
 – insert in recess (a)
 – push into position (b)
 – fix (c)

Adjusting the door hinge

Adjusting the closing pressure

Regular adjustment on all hinges

Entrance door hinge with direct screw fixing – 3 D adjustable for sashes up to 80 kg



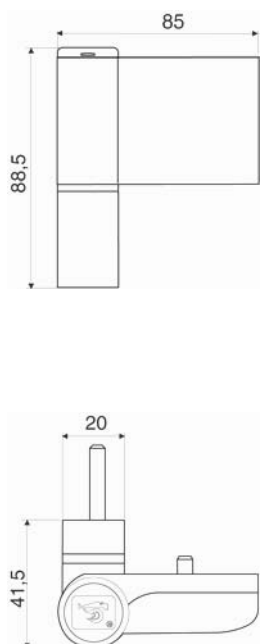
PVC entrance door hinge KT-S 3 D adjustable

PG	Description	Surface	PU	Order Number
YA	PVC door hinge KT-S Sash rebate thickness 15-20 mm	RAL 9016 RAL 8077	24 24	H-00250-00-0-7 H-00250-00-0-5
YA	PVC door hinge KT-S Sash rebate thickness 18-23 mm	RAL 9016 RAL 8077	24 24	H-00764-00-0-7 H-00764-00-0-5

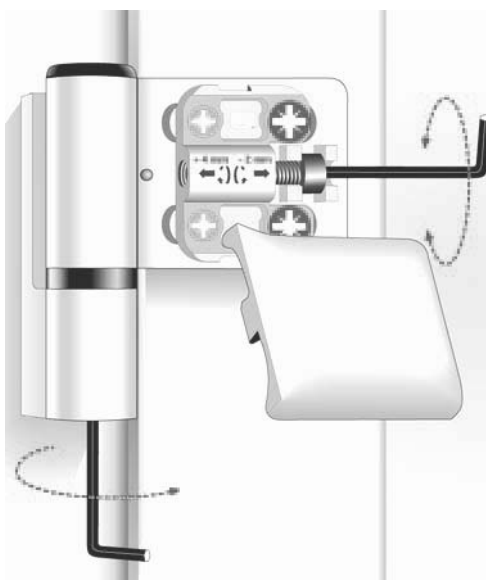
Drilling jig

PG	Description	PU	Order Number
YA	Drilling jig KT-S	1	H-00251-00-0-0

Dimensions



Adjusting the door hinge



Sash rebate depth/pressure 15 up to 20 mm
Horizontal adjustment +4 / -2 mm
Vertical adjustment +3 mm

Application advice

- hinge body made from extruded aluminium
- all screws included in the delivery
- non-corrosive and non-wearing bearing bolt made from a special high quality aluminium alloy
- all bearing and guiding parts free from play
- elevating screw is secured during transport
- suitable for all standard sash rebate thicknesses from 15 up to 20 mm
- all components fixed tightly in the hinge body – no problems during transport and assembly of the door
- no need to unhinge door for removal of bearing bolt
- all adjustments can be carried out by one person only
- integrated anti-burglary protection without separate components

- stepless vertical adjustment from zero position
- carry out vertical adjustment on lower hinge only and simply adapt the upper hinges

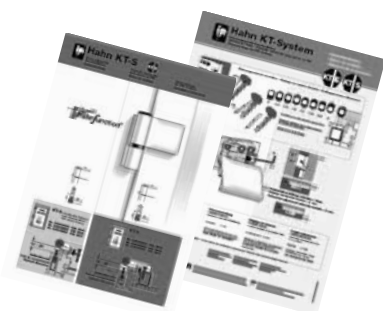
Mounting and setting instructions

- Each carton contains mounting instructions
- Mounting instruction for the assembly on site are available upon request



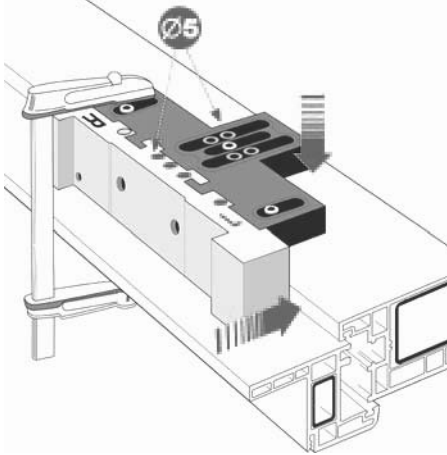
No lubricating oil!

The bearing is made from absolutely maintenance-free plastic containing teflon. Under no circumstances lubricate!

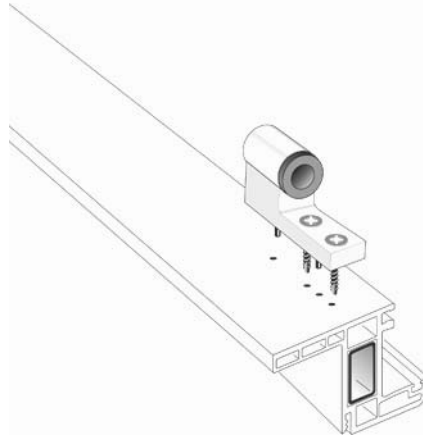


PVC entrance door hinge KT-S – Mounting instructions

Mounting sash and frame parts



1. Position and fix drilling jig on rebate, predrill sash and frame for later screw fixing with $\varnothing 5$ mm



2. Place and mount frame and sash part



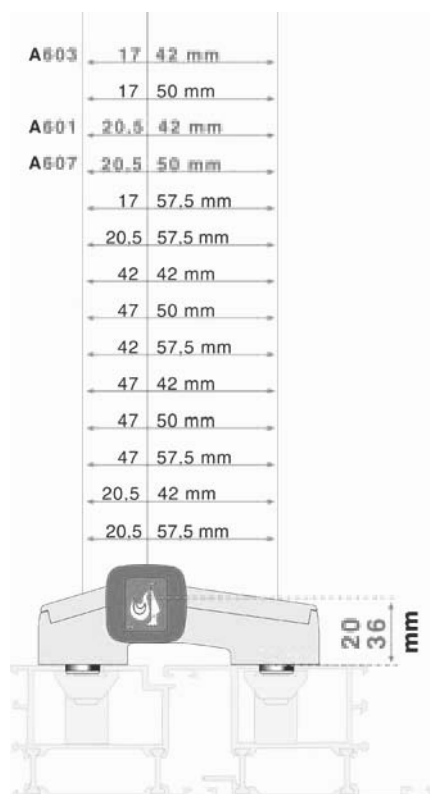
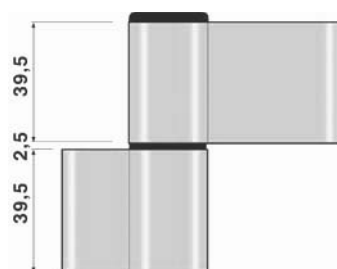
3. Adjust eccentric bolt and shells according to rebate thickness and recommendations given in the assembly drawing
 – observe assembly direction rh/lh
 – insert eccentric bolt from below as far as it will go, eccentric shells from above
 – hinge cover
 – insert in recess (a)
 – push into position (b)
 – fix (c)

Adjusting the door hinge

Adjusting the closing pressure

Regular adjustment on all hinges

Universal entrance door hinge with screw fixing – 5 way adjustable for sashes up to 120 kg [1]



Aluminium hinge with screw fixing SERIES 60 [2]
3 D adjustable, 2 part, for doors opening inward and outward

PG	Description	Type	Surface	PU	Order Number
YA	Hinge w. screw fixing SERIES 60	A603	Alu, untreated	1	H-00200-00-0-0
		A603	EV1	1	H-00200-00-0-1
		A603	bronze	1	H-00200-00-0-5
		A603	white	1	H-00200-00-0-7
YA	Hinge w. screw fixing SERIES 60	A601	Alu, untreated	1	H-00192-00-0-0
		A601	EV1	1	H-00192-00-0-1
		A601	bronze	1	H-00192-00-0-5
		A601	white	1	H-00192-00-0-7
YA	Hinge w. screw fixing SERIES 60	A607	Alu, untreated	1	H-00201-00-0-0
		A607	EV1	1	H-00201-00-0-1
		A607	bronze	1	H-00201-00-0-5
		A607	white	1	H-00201-00-0-7

Drilling jig

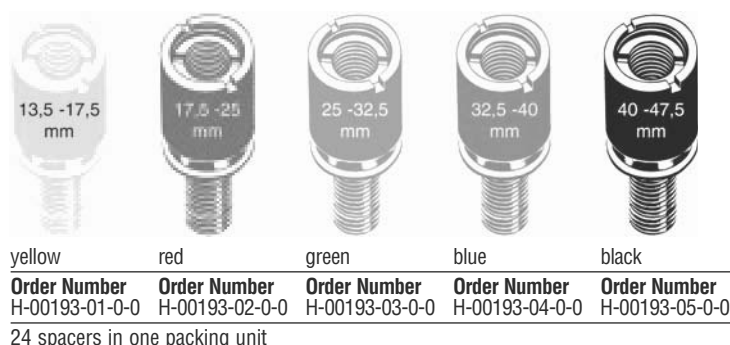
PG	Description	Type	PU	Order Number
YA	Drilling jig for SERIES 60	A603	1	H-00202-00-0-0
		A601	1	H-00203-00-0-0
		A607	1	H-00204-00-0-0

[1] Sash 1000 x 2000 mm. Loading capacity depends on profile, please inquire with profile manufacturer.
[2] Further dimensions and colours, pivot 36 mm and 3 part version upon request.

Adjustable spacers

PG	Description
YA	Spacers for hinge SERIES 60

Setting ranges



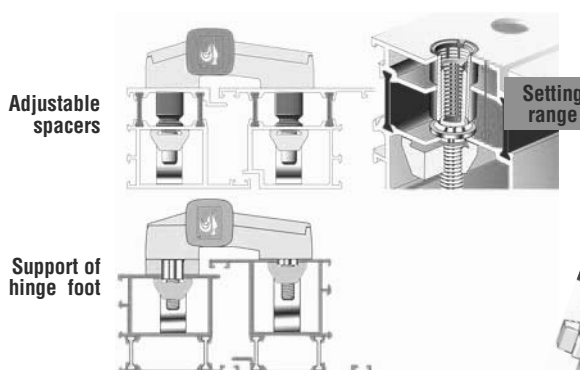
Application advice

are fixing accessories for thermally broken doors opening outward. They prevent the thermoinsulating chamber from being squeezed. If required please ask for table of applications.

for rebated doors, only applicable with prolonged locating rings and screws. Assembly only in the works. Special jig upon request.

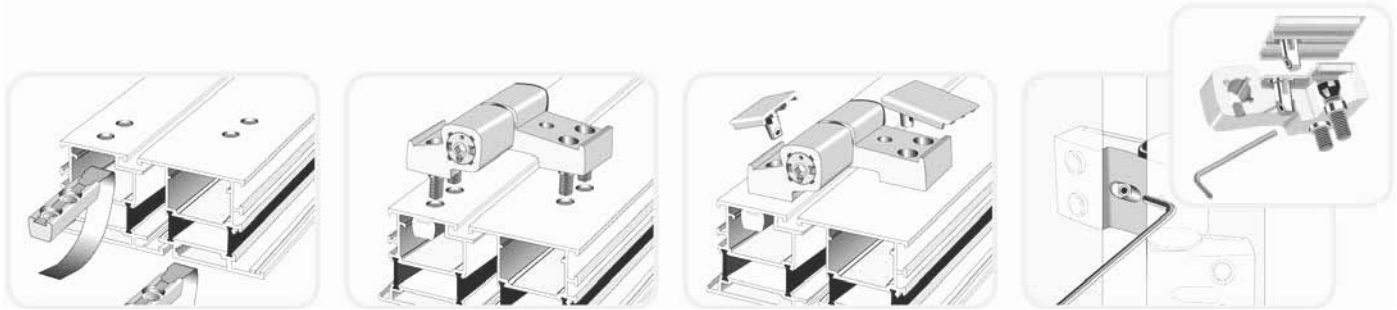
Mounting and setting instructions

- Mounting instructions are packed in each carton
- Instructions for the setting on site are available upon request



Universal entrance door hinge with screw fixing SERIES 60 – Mounting and setting instructions

Mounting instructions



Drill \varnothing 11 mm.
Insert and position fixing
plates in profile.

Screw together hinge body
and fixing plates
(SW6).
Recommended torque for
fixing screws 20 to 30 Nm.

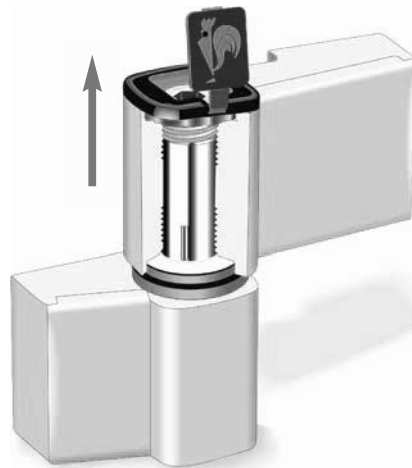
Put on covers.

Secure covers from behind
with screw (SW3).

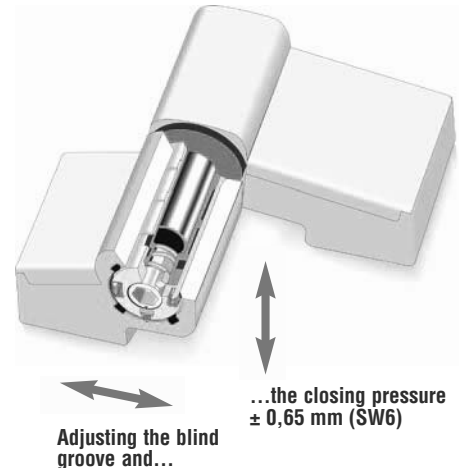
Setting instructions



Universal hinge with screw fixing and with
multifunctional bush for both hinge support
and hinge adjustment



Vertical adjustment + 2,5 mm (SW6)



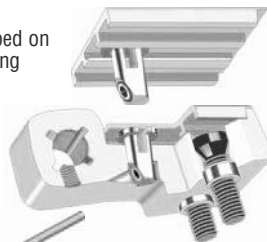
Adjusting the blind
groove and...

...the closing pressure
 $\pm 0,65$ mm (SW6)



with compressed collar and
integrated bearing disc

Cover plate
can be clamped on
without turning
of door sash



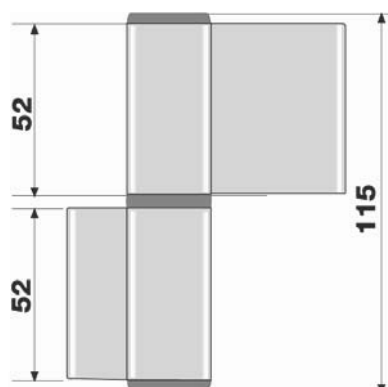
On doors opening outward: The
cover plate is secured from
behind without additional fixing
parts (only possible with door
sash opened)



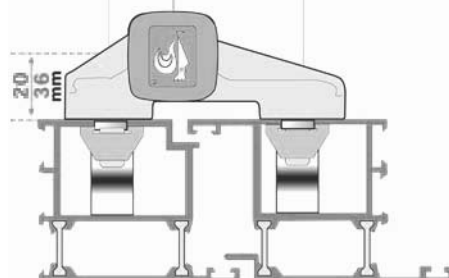
No lubricating oil!

The bearing is made from absolutely
maintenance-free plastic containing
teflon. Under no circumstances
lubricate!

Universal door hinge 3 with screw fixing – 5 way adjustable for sashes up to 120 kg [1]



8732		
8733	20,5	44,5
81324	18	44,5
	18	62,5
	20,5	56
	18	56
8532	41,5	44,5
8632	20,5	62,5
	47	56
	47	44,5
	41,5	56
	41,5	62,5
	47	62,5



Aluminium door hinge 3 with screw fixing [2]
3 D adjustable, 2 part, for doors opening inward and outward

PG	Description	Type	Surface	PU	Order Number
YA	Hinge with screw fixing Door hinge 3	8732	EV1	1	H-00191-00-0-1
		8732	bronze	1	H-00191-00-0-5
		8732	white	1	H-00191-00-0-7
YA	Hinge with screw fixing Door hinge 3	81324	EV1	1	H-00290-00-0-1
		81324	bronze	1	H-00290-00-0-5
		81324	white	1	H-00290-00-0-7
YA	Hinge with screw fixing Door hinge 3	8532	EV1	1	H-00291-00-0-1
		8532	bronze	1	H-00291-00-0-5
		8532	white	1	H-00291-00-0-7
YA	Hinge for screw fixing Door hinge 3	8632	EV1	1	H-00292-00-0-1
		8632	bronze	1	H-00292-00-0-5
		8632	white	1	H-00292-00-0-7
YA	Drilling jig for door hinge 3	8732		1	H-00293-00-0-0
		81324		1	H-00294-00-0-0
		8532		1	H-00295-00-0-0
		8632		1	H-00296-00-0-0

Aluminium door hinge 3 with screw fixing [2]
3 D adjustable, 3 part, for doors opening inward and outward

PG	Description	Type	Surface	PU	Order Number
YA	Hinge for screw fixing Door hinge 3	8733	EV1	1	H-00194-00-0-1
		8733	bronze	1	H-00194-00-0-5
		8733	white	1	H-00194-00-0-7
YA	Drilling jig for door hinge 3	8733		1	H-00297-00-0-0

[1] Sash 1000 x 2000 mm. Loading capacity depends on profile, please inquire with profile manufacturer.
[2] Further dimensions and colours, pivot 36 mm and 3 part version upon request.

Adjustable spacers

PG	Description
YA	Spacers for door hinge 3

Setting ranges



Order Number	Order Number	Order Number	Order Number	Order Number
H-00193-01-0-0	H-00193-02-0-0	H-00193-03-0-0	H-00193-04-0-0	H-00193-05-0-0

24 spacers in one packing unit

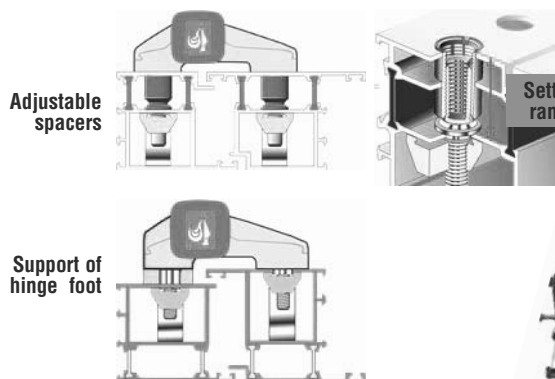
Application advice

are fixing accessories for thermally broken doors opening outward. They prevent the thermoinsulating chamber from being squeezed. If required please ask for table of applications.

for rebated doors, only applicable with prolonged locating rings and screws. Assembly only in the works. Special jig upon request.

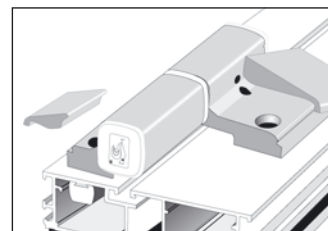
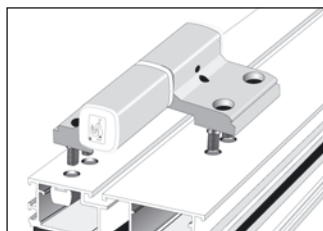
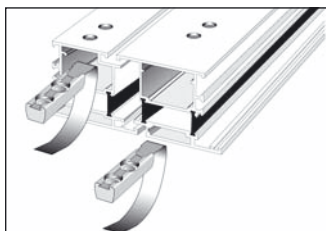
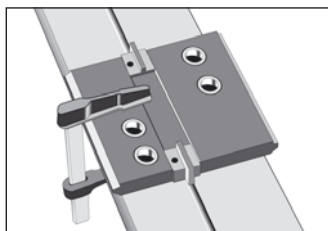
Mounting and setting instructions

- Mounting instructions are packed in each carton
- Instructions for the setting on site are available upon request



Universal door hinge 3 with screw fixing – Mounting and setting instructions

Mounting instructions



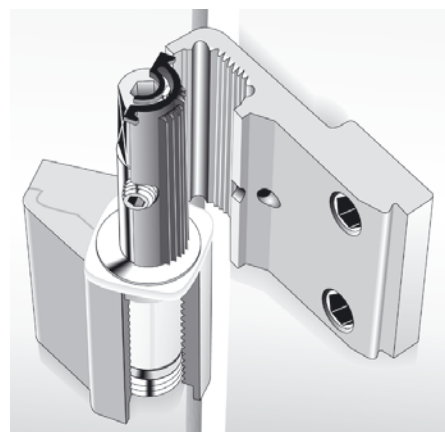
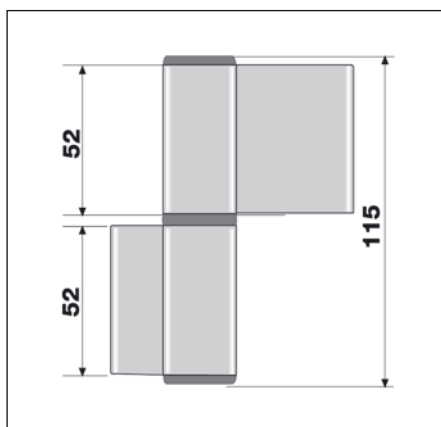
Drill Ø 11 mm.

Insert and position fixing plates in profile.

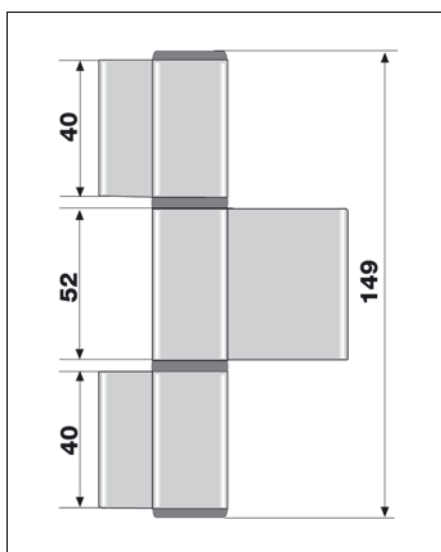
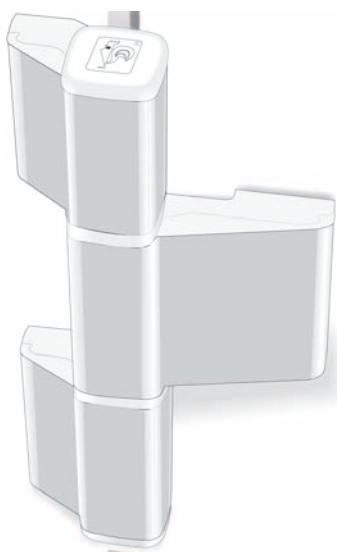
Screw together hinge body and fixing plates.
Recommended torque for fixing screws 20 bis 30 Nm.

Put on covers.

Aluminium door hinge 3 with screw fixing, 2 part



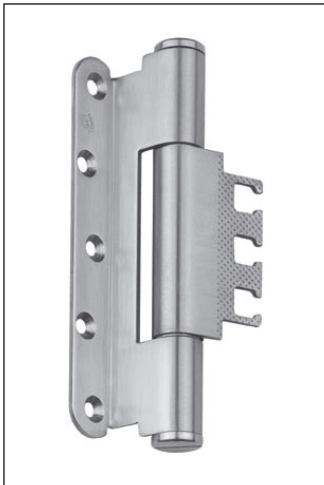
Aluminium door hinge 3 with screw fixing, 3 part



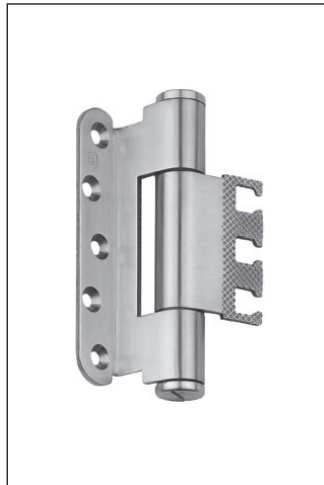
No lubricating oil!

The bearing is made from absolutely maintenance-free plastic containing teflon. Under no circumstances lubricate!

Contract hinges for rebated doors with steel, timber or aluminium frame



Contract hinge VBF 160



Contract hinge VBF 120

Contract hinge for rebated doors – frame construction VB

PG	Description	Surface	PU	Order Number
YAO	Contract hinge VBF 160	stainless steel	2	H-00604-16-0-8
	Height of hinge 160 mm	galvanized	2	H-00604-16-0-1
YAO	Contract hinge VBF 120	stainless steel	2	H-00604-12-0-8
	Height of hinge 120 mm	galvanized	2	H-00604-12-0-1

For fixing screws see catalogue chapter YS „Fixings“

Application advice

Contract hinge VBF 160 for rebated doors with steel, timber or aluminium frame with 3 D adjustable frame construction VB. DIN lh/rh reversible with concealed and non-detachable heavy duty bearings made from non-corroding material.

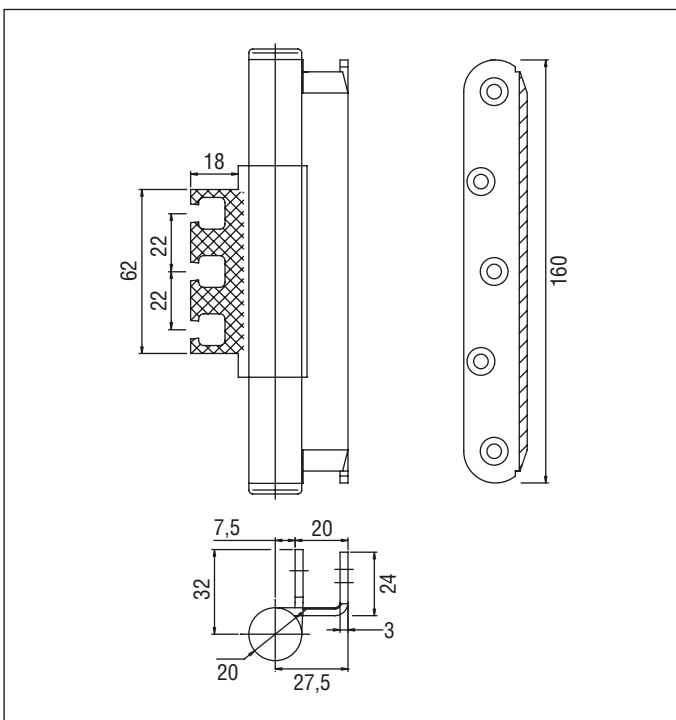
Height of hinge	160 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	280 kg
Min. distance between hinges	1435 mm
Max. horizontal load	957 N
Fixing centres	22 mm

Application advice

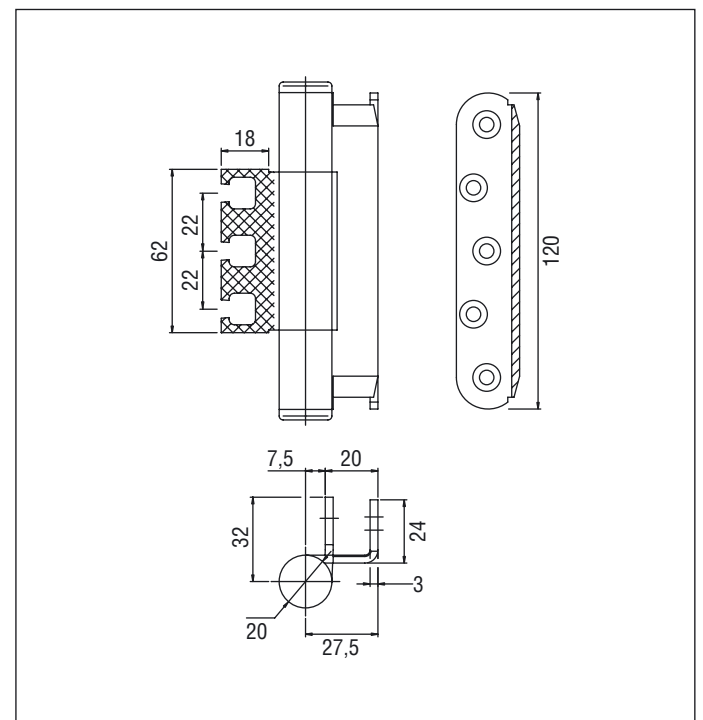
Contract hinge VBF 120 for rebated doors with steel, timber or aluminium frame with 3 D adjustable frame construction VB. DIN lh/rh reversible with concealed and non-detachable heavy duty bearings made from non-corroding material.

Height of hinge	120 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	180 kg
Min. distance between hinges	1435 mm
Max. horizontal load	615 N
Fixing centres	22 mm

Dimensions

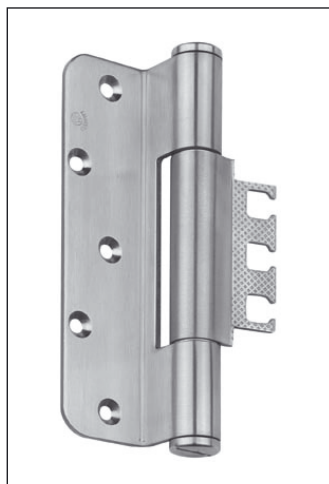


Contract hinge VBF 160

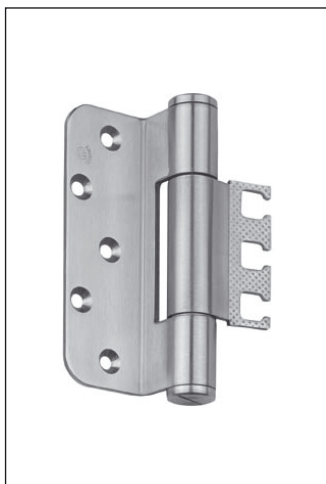


Contract hinge VBF 120

Contract hinges for flush doors with steel, timber or aluminium frame



Contract hinge VBS 160



Contract hinge VBS 120

Hinge for flush contract doors – hinge substructure VB

PG	Description	Surface	PU	Order Number
YAO	Contract hinges VBS 160	stainless steel	2	H-00605-16-0-8
	Height of hinge 160 mm	galvanized	2	H-00605-16-0-1
YAO	Contract hinges VBS 120	stainless steel	2	H-00605-12-0-8
	Height of hinge 120 mm	galvanized	2	H-00605-12-0-1

For fixing screws see catalogue chapter YS „Fixings“

Application advice

Contract hinge VBS 160 for flush doors with steel, timber or aluminium frame with 3 D adjustable frame construction VB. DIN lh/rh reversible with concealed and non-detachable heavy load bearings made from non-corroding material.

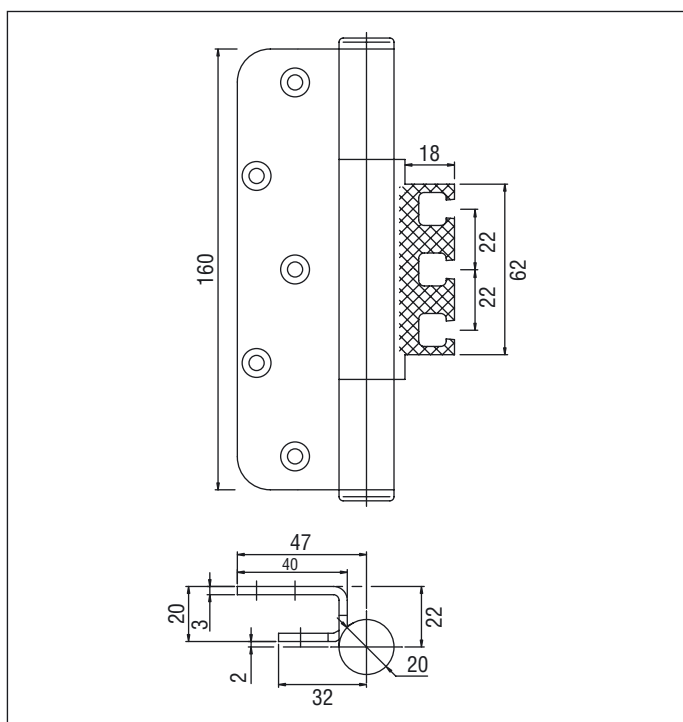
Height of hinge	160 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	280 kg
Min. distance between hinges	1435 mm
Max. horizontal load	957 N
Fixing centres	22 mm

Application advice

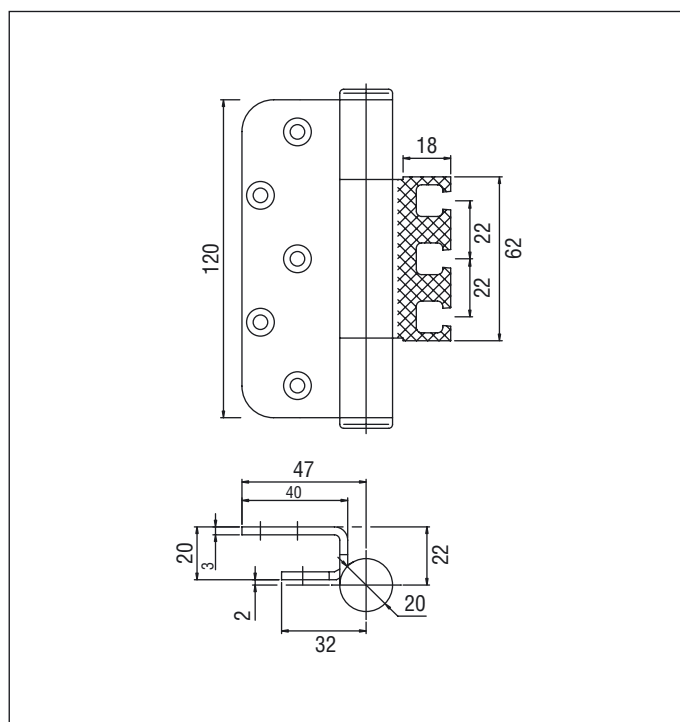
Contract hinge VBS 120 for flush doors with steel, timber or aluminium frame with 3 D adjustable frame construction VB. DIN lh/rh reversible with concealed and non-detachable heavy load bearings made from non-corroding material.

Height of hinge	120 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	180 kg
Min. distance between hinges	1435 mm
Max. horizontal load	615 N
Fixing centres	22 mm

Dimensions



Contract hinge VBS 160



Contract hinge VBS 120

Frame components VB for contract hinges on steel and timber frames

Application

Frame components VB are applied with contract hinges VBF and VBS.

You find in many contracts, e.g. schools, hospitals and commercial buildings a heavy duty requirement. Also for steel and timber frames in smoke and fire protection

Type of door	Height of hinge mm	Sash weight kg
rebated doors	160	280
	120	180
flush doors	160	280
	120	180

Frame components for steel frames, 3 D adjustable

PG	Description	Surface	PU	Order Number
YAO	Frame components SZ 23 (steel frames)	stainless steel galvanized	10 10	H-00606-00-0-8 H-00606-00-0-1

Frame components for timber frames, 3 D adjustable

PG	Description	Surface	PU	Order Number
YAO	Frame components HB 33 (for flush frames)	galvanized	10	H-00607-00-0-1
YAO	Frame components HB 25 (for flush frames with standard rebate)	galvanized	10	H-00608-00-0-1
YAO	Frame components HF 25 (for cased frames with standard rebate)	galvanized	10	H-00609-00-0-1

Steel frame



Frame components SZ 23

Flush timber frame



Frame components HB 33

Flush timber frame with standard rebate

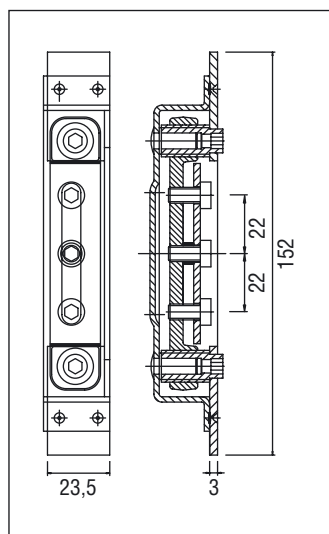


Frame components HB 25

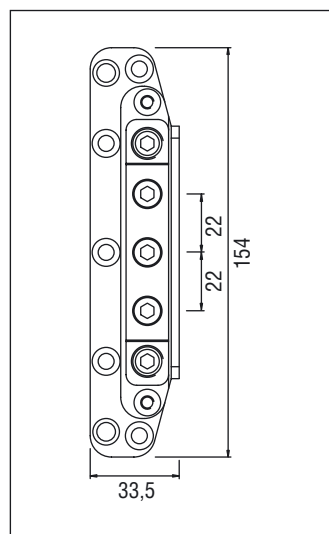
Cased timber frame with standard rebate



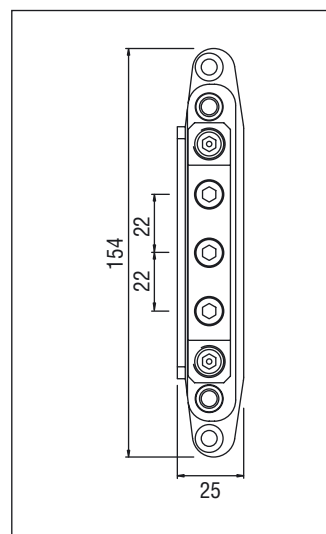
Frame components HF 25



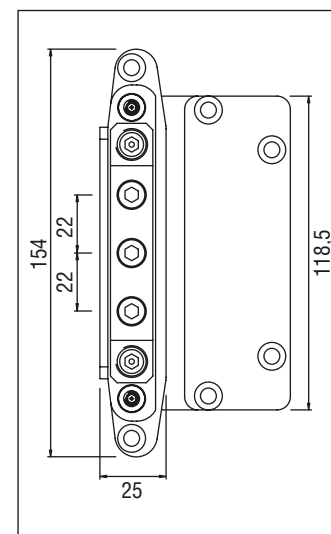
3 D adjustable frame components for welding; for steel frames.



3 D adjustable frame components for flush timber frames, rebate depth from 33,5 mm.

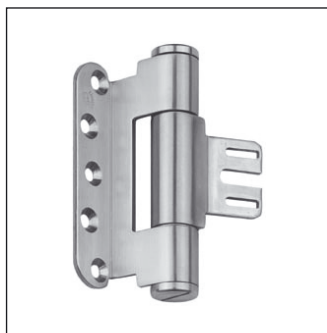


3 D adjustable frame components for flush timber frames with standard rebate, rebate depth from 25 mm.



3 D adjustable frame components for cased timber frames with standard rebate, rebate depth from 25 mm.

Contract hinges for rebated and flush doors with steel frame



Contract hinge 86F 100

Application advice

Contract hinge 86F 100 for rebated doors with frame components V 8600 for steel frames. DIN lh/rh reversible with concealed and non-detachable ball bearings made from non-corroding material.

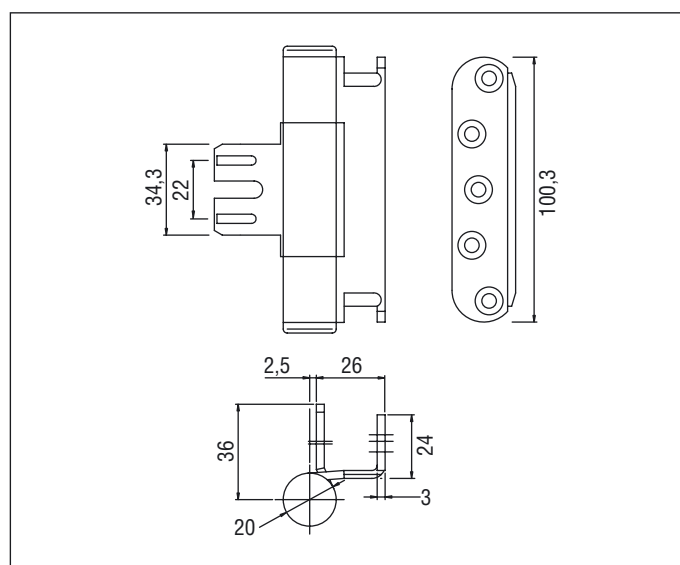
Height of hinge	100 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	100 kg
Min. distance between hinges	1435 mm
Max. horizontal load	461 N
Fixing centres	22 mm

For fixing screws see catalogue chapter YS „Fixings“

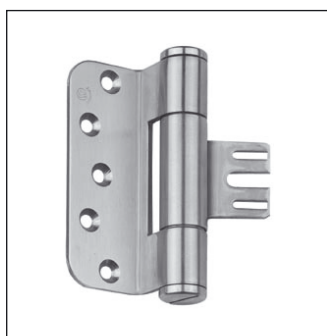
Contract hinges for rebated doors – frame components V 8600

PG	Description	Surface	PU	Order Number
YAO	Contract hinge 86F 100	stainless steel	2	H-00612-10-0-8
	Height of hinge 100 mm	galvanized	2	H-00612-10-0-1

Dimensions



Contract hinge 86F 100



Contract hinge 86S 100

Application advice

Contract hinge 86S 100 for flush doors with frame construction V8600 for steel frames. DIN lh/rh reversible with concealed and non-detachable ball bearings made from non-corroding material.

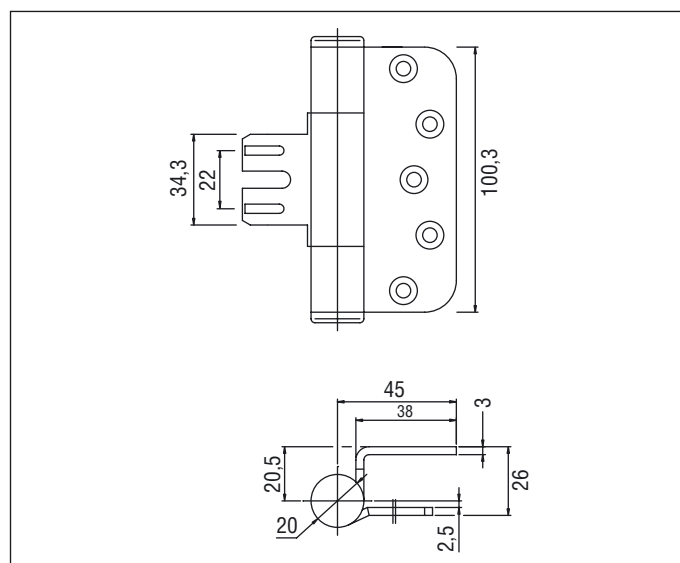
Height of hinge	100 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	100 kg
Min. distance between hinges	1435 mm
Max. horizontal load	461 N
Fixing centres	22 mm

For fixing screws see catalogue chapter YS „Fixings“

Contract hinges for flush doors – frame construction V 8600

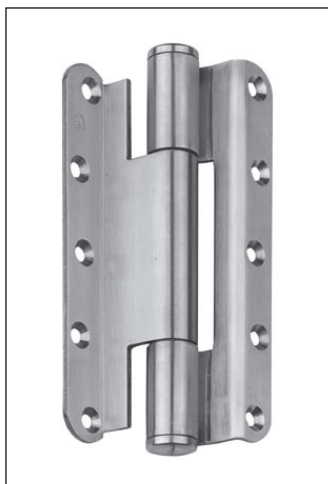
PG	Description	Surface	PU	Order Number
YAO	Contract hinge 86S 100	stainless steel	2	H-00613-10-0-8
	Height of hinge 100 mm	galvanized	2	H-00613-10-0-1

Dimensions



Contract hinges 86S 100

Contract hinges for rebated doors with timber frame



Contract hinge F 160



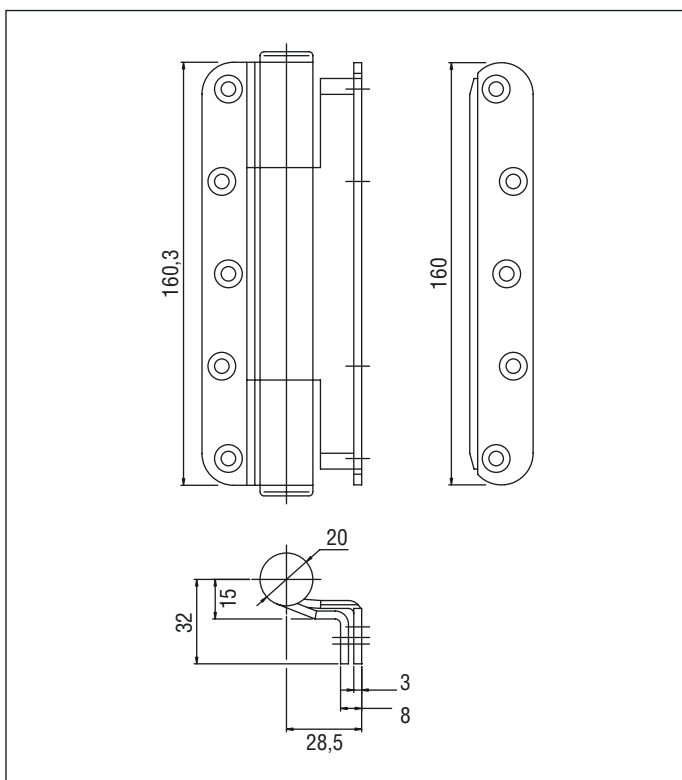
Contract hinge F 120

Application advice

Contract hinge F 160 for rebated timber doors with timber frame. DIN lh/rh reversible with concealed and non-detachable heavy duty bearings made from non-corroding material.

Height of hinge	160 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	280 kg
Min. distance between hinges	1435 mm
Max. horizontal load	957 N

Dimensions



Contract hinge F 160

Contract hinges for rebated doors

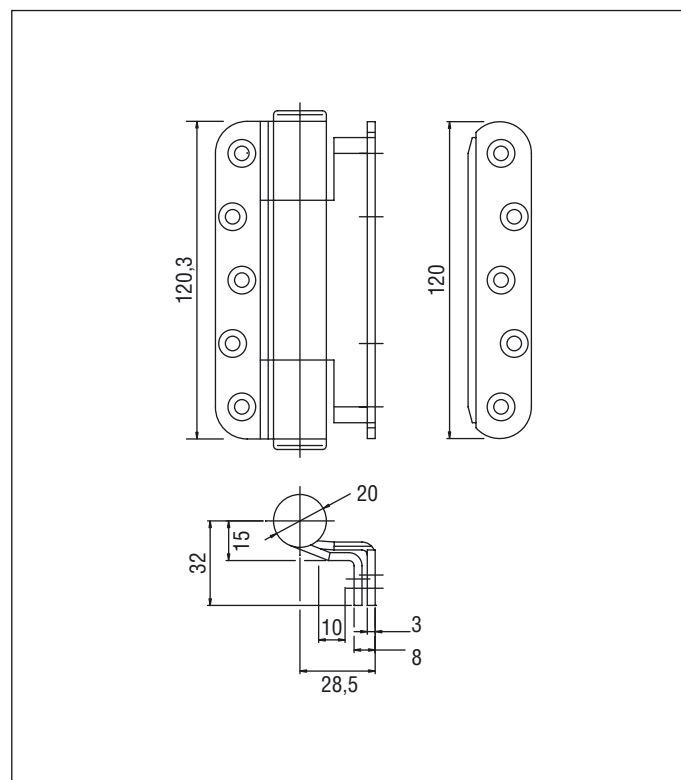
PG	Description	Surface	PU	Order Number
YAO	Contract hinges F 160	stainless steel	2	H-00610-16-0-8
	Height of hinge 160 mm	galvanized	2	H-00610-16-0-1
YAO	Contract hinges F 120	stainless steel	2	H-00610-12-0-8
	Height of hinge 120 mm			

For fixing screws see catalogue chapter YS „Fixings“

Application advice

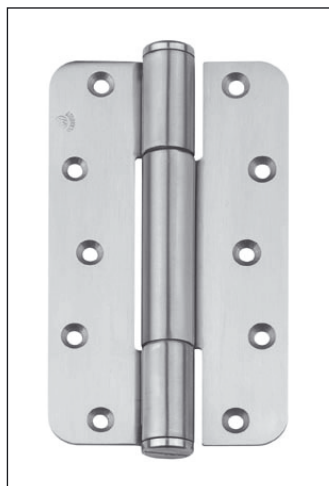
Contract hinge F 120 for rebated timber doors with timber frame. DIN lh/rh reversible with concealed and non-detachable heavy duty bearings made from non-corroding material.

Height of hinge	120 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	180 kg
Min. distance between hinges	1435 mm
Max. horizontal load	615 N

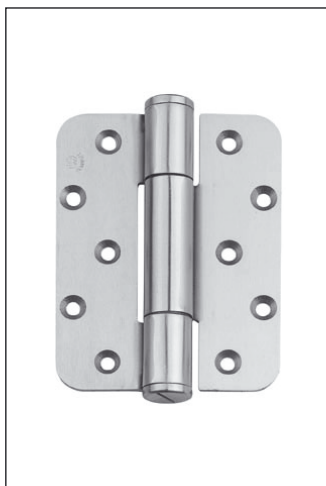


Contract hinge F 120

Contract hinges for flush doors with timber frame



Contract hinge S 160



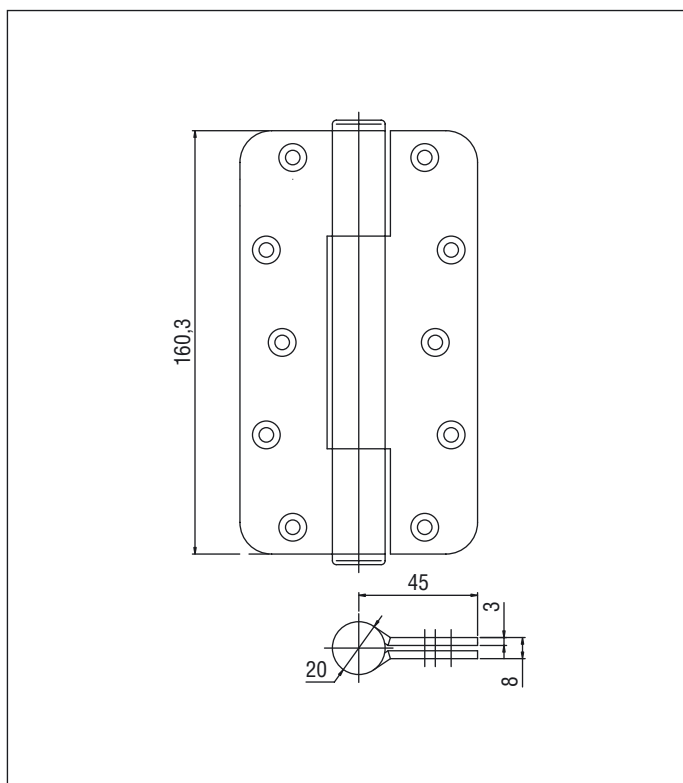
Contract hinge S 120

Application advice

Contract hinge S 160 for flush timber doors with timber frame. DIN lh/rh reversible with concealed and non-detachable heavy duty bearings made from non-corroding material.

Height of hinge	160 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	280 kg
Min. distance between hinges	1435 mm
Max. horizontal load	957 N

Dimensions



Contract hinge S 160

Contract hinge for flush doors

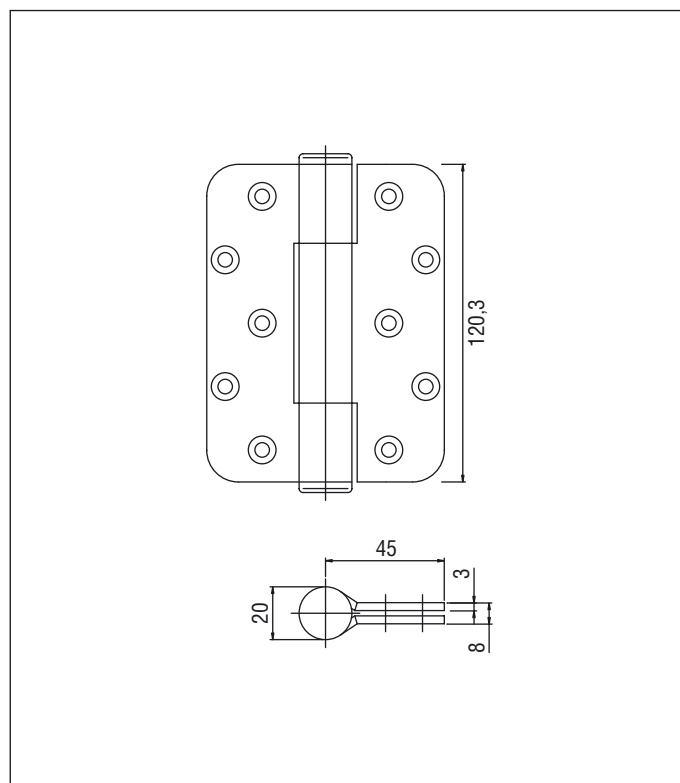
PG	Description	Surface	PU	Order Number
YAO	Contract hinge S 160	stainless steel	2	H-00611-16-0-8
	Height of hinge 160 mm	galvanized	2	H-00611-16-0-1
YAO	Contract hinge S 120	stainless steel	2	H-00611-12-0-8
	Height of hinge 120 mm	galvanized	2	H-00611-12-0-1

For fixing screws see catalogue chapter YS „Fixings“

Application advice

Contract hinge S 120 for flush timber doors with timber frame. DIN lh/rh reversible with concealed and non-detachable heavy duty bearings made from non-corroding material.

Height of hinge	120 mm
Diametre of knuckle	20 mm
Material thickness	3 mm
Max. sash weight	180 kg
Min. distance between hinges	1435 mm
Max. horizontal load	615 N



Contract hinge S 120

Product group

YC

Building chemicals

YC

Building Chemicals

Silicone

Silicone Sealant	YC.3
Universal Silicone	YC.3
Acrylic Sealant	YC.3
Sanitary Silicone	YC.3

Installation foam

GUN FOAM	YC.4
GUN FOAM B2	YC.4
GUN FOAM B2 / PDR	YC.4
GUN FOAM / Winter	YC.4
MAX GUN FOAM	YC.4
SPRAY FOAM	YC.5
SPRAY FOAM B2 / PDR	YC.5
SPRAY FOAM / Winter	YC.5
QUICK FOAM	YC.5
QUICK FOAM / PDR	YC.5
MULTICLEANER	YC.5

PVC adhesives and cleaners

G.U-Plast PVC adhesive	YC.6
G.U-Plast super glue	YC.6
G.U-Plast PVC solvent cleaner	YC.6
G.U-Plast PVC solvent-free cleaner	YC.6
G.U-Plast PVC maintenance kit	YC.6
G.U-Plast cleaning kit	YC.6

Aluminium adhesives and cleaners

G.U-PLAST 2 part aluminium adhesive	YC.7
G.U-PLAST 1 part aluminium adhesive	YC.7
G.U-PLAST aluminium cleaner	YC.7

Wood glue and hardener

G.U-PLAST D3 window glue	YC.8
G.U-PLAST D4 hardener for D3 window glue	YC.8
G.U-PLAST D2 window glue	YC.8
G.U-PLAST D4 hardener for D2 window glue	YC.8

Application guns "Gun-Shop"

PU foam gun NBS-Silver	YC.9
PU foam gun Ultra	YC.9
PU foam gun Universal	YC.9
Silicone gun H14	YC.9
Silicone gun H17	YC.9
Hand pump for 2 part aluminium adhesive	YC.9

Silicone



Tubular bag containing 600ml silicone sealant and universal silicone make an economic and ecological alternative.

Silicone

PG	Description	Colour	PU	Pallet	Order Number
YC	Silicone Sealant 310 ml	transparent	20	1200	9-38963-00-0-0
		white	20	1200	9-38963-00-0-7
		brown	20	1200	9-38963-00-0-5
YC	Silicone Sealant 600 ml	transparent	12	720	H-00007-02-0-0
		white	12	720	H-00007-02-0-7
		brown	12	720	H-00007-02-0-5
YC	Universal Silicone 310 ml	transparent	20	1200	H-00008-01-0-0
		white	20	1200	H-00008-01-0-7
		black	20	1200	H-00008-01-0-6
		brown	20	1200	H-00008-01-0-5
YC	Universal Silicone 600 ml	transparent	12	720	H-00008-02-0-0
		white	12	720	H-00008-02-0-7
		brown	12	720	H-00008-02-0-5
YC	Acrylic Sealant 310 ml	white	20	1200	H-00009-01-0-7
		grey	20	1200	H-00009-01-0-1
		brown	20	1200	H-00009-01-0-5

YC



Silicone Sealant

Neutral cure silicone

- long lasting seal elasticity
- neutral odour
- high UV-stability, thus no yellowing
- suitable for sanitary installation

Application:

- primarily to seal glass in timber windows
- joining and expansion seals in construction
- sealing of claddings
- use in bathrooms and other wet areas

Note:

Silicone guns for 310 ml and 600 ml can be found in the "GUN-SHOP"



Universal Silicone

Acid cure silicone

- elastic
- reacts with humidity

Application:

- Primarily for sealing small gaps e.g.:
- around window sills
 - undersill panels of aluminium, steel and hard PVC profiles
 - not in contact with water soluble colours e.g. timber window applications



Acrylic Sealant

Paintable acrylic sealant

Application:

- for door frames, brickwork, plaster and concrete
- not suitable for expansion joints

Storage advice

All packages to be stored upright.

Installation foam

Installation foam

PG	Description		PU	Pallet	Order Number
YC	GUN FOAM B3	750 ml [1]	12	384	9-38964-00-0-0
YC	GUN FOAM B2	750 ml [2]	12	384	H-00286-00-0-0
YC	GUN FOAM B2 / PDR	750 ml [2]	12	384	H-00316-00-0-0
YC	GUN FOAM B3 / Winter	750 ml	12	384	H-00424-00-0-0

[1] = B3-installation foam, hardly inflammable
 [2] = B2-installation foam, non-inflammable

Installation foam

PG	Description		PU	Pallet	Order Number
YC	MAX GUN FOAM B2/PDR 500 ml [2] [3]	500 ml	12	504	H-00849-00-0-0

[2] = B2-installation foam, non-inflammable



GUN FOAM

Polyurethane gun foam 1 part

for filling cavities when installing windows and doors

- plasterable
- paintable
- trimable after 45 min.
- contents 750 ml
- expands to 45 l
- CFC-free
- tested up to 56 dB

Surfaces for foam must be clean, moist and free of grease.



GUN FOAM / Winter

Polyurethane gun foam 1 part

for filling cavities when installing windows and doors

- contents 750 ml
- max. outside temperature -10° C
- workable at can temperatures from +5° up to +35° C
- tested up to 56 dB
- other characteristics same as GUN FOAM

Surfaces for foam must be clean, moist and free of grease.



MAX GUN FOAM

Polyurethane gun foam 1 part

for filling cavities when installing windows and doors

- contents 500 ml
- expands to 40 – 42 l
- tested up to 56 dB
- storable up to 21 months
- sticking of valve
- storable in any position
- no subsequent foam egression
- no dripping
- re-usable
- Pistol:
 - use PU foam gun Universal H-00848-00-0-0

Surfaces for foam must be clean, moist and free of grease.

Installation foam

Installation foam

PG	Description	PU	Pallet	Order Number
YC	SPRAY FOAM B3 750 ml	12	312	H-00010-00-0-0
YC	SPRAY FOAM B2 / PDR 750 ml [2]	12	312	H-00635-00-0-0
YC	SPRAY FOAM / Winter 750 ml	12	312	H-00425-00-0-0
YC	QUICK FOAM B2 400 ml	12	624	H-00011-00-0-0
YC	QUICK FOAM B2 / PDR 400 ml	12	624	H-00636-00-0-0
YC	MULTICLEANER 500 ml	12	468	9-38965-00-0-0



SPRAY FOAM

Polyurethane installation foam

- contents 750 ml
- tested up to 56 dB
- extension tube included
- inject with valve held upside down
- other characteristics same as GUN FOAM



SPRAY FOAM / Winter

Polyurethan-installation foam

- contents 750 ml
- tested up to 56 dB
- max. outside temperature -10° C
- workable at can temperatures from +5° up to +35° C
- extension tube included
- inject with valve held upside down
- other characteristics same as GUN FOAM



QUICK FOAM

2 part polyurethane quick foam

- for quicker setting when filling and sealing cavities
- sealing of joints between easily malleable materials
- trimable after 15 min.



MULTICLEANER

Installation foam cleaner

- for the removal of non-set PU foam from the foam gun or after mis-foaming

Storage advice

All packages to be stored upright.

PVC adhesives and cleaners

PVC adhesives and cleaners

PG	Description	Type	PU	Order Number
YC	G.U-Plast PVC adhesive 200 g	transparent white	50 30	H-00012-00-0-0 9-38968-00-0-7
YC	G.U-Plast super glue 20 g		20	9-38969-00-0-0
YC	G.U-Plast PVC solvent cleaner	1000ml	10	9-38970-00-0-0
YC	G.U-Plast PVC non-solvent cleaner	1000ml	10	H-00013-00-0-0
YC	G.U-Plast PVC maintenance kit	German Polish Danish English	9 9 9 9	H-00252-00-0-0 H-00252-01-0-0 H-00252-02-0-0 H-00252-03-0-0
YC	G.U-Plast cleaning kit German, Polish, English		6	H-00637-00-0-0



G.U-Plast PVC adhesive transparent or white

Application:

- For quick assembly glueing of hard PVC e.g.
- weather strips
 - cladding profile
 - shutter parts etc.
 - due to its high viscosity it is particularly suitable for plastic window trims
 - contains UV stabilizers



G.U-Plast super glue 1 part

Application:

- For all gasket profiles, TPE and EPDM:
- butt and mitre joints in gaskets are quickly and permanently held
 - universal application inside and outside



G.U-Plast PVC cleaner solvent

Application:

- Especially for cleaning surfaces to be glued:
- for de-greasing surfaces
 - for removing marks



G.U-Plast PVC cleaner solvent-free

Application:

- Especially for finishing and installation cleaning:
- contains antistatic to prevent the resoiling of plastic profiles
 - nonaggressive cleaner for foiled profiles
 - removal of remnants of adhesive from profile protecting films



G.U-Plast PVC maintenance kit

Application:

For the maintenance and care of fittings, gaskets and PVC surfaces.

Contents:

- 250 ml cleaning lotion for PVC profiles
- 25 ml lubricating oil for fittings
- 25 ml greasing stick for gaskets
- 1 special cleaning cloth
- instructions for use in various languages



G.U-Plast Cleaning kit

Application:

For the removal of already hardened installation foam and PUR adhesive after installation.

Contents:

- 500 ml installation cleaner
- 1 erasing pad
- 2 special sponges
- 1 fleece cloth
- instructions for use in German, Polish and English

Storage advice

All packages to be stored upright.

Aluminium adhesives and cleaner

Aluminium adhesives and cleaner

PG	Description	PU	Order Number
YC	G.U-PLAST 2 part aluminium adhesive	550 g	6 H-00015-00-0-0
YC	G.U-PLAST static mixing tube	15	H-00016-00-0-0
YC	G.U-PLAST 1 part aluminium adhesive	310 ml	20 H-00017-00-0-0
YC	G.U-PLAST aluminium cleaner	1000 ml	12 H-00014-00-0-0



G.U-PLAST 2 part aluminium adhesive
mixing ratio 1:1

Homogeneous mixing via static mixing tube

Application:

- bonding of corner angles on metal construction e.g. sash and frame profile for doors and windows.
- Pistol: use hand pump "double decker" H-00054-00-0-0



G.U-PLAST 1 part aluminium adhesive

Hardens by spraying with water

Application:

- bonding timber/alu
- bonding of corner angles and metal construction e.g. shutter guides, decorative strips and other nonload bearing profiles
- mitre joint bonding in PUR systems



G.U-PLAST Aluminium cleaner
Window profile cleaner containing solvent

Quick cleaning of powder coated and anodized profile

Application:

- removal of glue remnants and other marks without affecting the powder coating
- especially for finishing and installation cleaning

Storage advice

All packages to be stored upright.

YC

Wood glue and hardener

Wood glue D3 and hardener D4

PG	Description	PU	Order Number
YC	G.U-PLAST D3 window glue	30 kg	1 H-00018-00-0-0
YC	G.U-PLAST D4 hardener for D3 window glue	600 g	10 H-00019-00-0-0

Wood glue D2 and hardener D4

PG	Description	PU	Order Number
YC	G.U-PLAST D2 window glue	30 kg	1 H-00696-00-0-0
YC	G.U-PLAST D4 hardener for D4 window glue	600 g	10 H-00697-00-0-0



G.U-PLAST D3 window glue, G.U-PLAST D4 window glue

G.U-PLAST D3 window glue

Description:

- water soluble 1 part glue
- achieves group D3 with timber bondings according to DIN/EN 204 and a strength of 7,5 N/mm² for warm bonding according to WATT 91

Application:

- bonding of soft, hard and exotic woods
- cold, warm and high frequency bonding possible
- indoor and outdoor installation glueing
- glueing of corner joints in window and door manufacture
- joint glueing in interiors with strong climatic movement
- surface glueing e.g. overlapping panel cladding

Characteristics:

- open time at 20°C ca. 8 min.
- consumption approx. 150 g/m²
- press and bonding time of joints at +20°C approx. 22 min.
- press and bonding time of surfaces at +20°C approx. 15 min.
- contact with metal may lead to discoloration
- transparent glue line

G.U-PLAST D4 hardener

Description:

With addition of 5% hardener, group D4 according to DIN/EN 204 is achieved with timber bondings and a strength of 8 N/mm² according to WATT 91.

Work life of preperation at +20°C: 8 to 10 hours.



G.U-PLAST D4 hardener

G.U-PLAST D2 window glue

Description:

- water soluble 2 part glue
- achieves group D4 with timber bondings according to DIN/EN 204 and a strength of 8,0 N/mm² for warm bonding according to WATT 91

Application:

- bonding of soft, hard and exotic woods
- cold, warm and high frequency bonding possible
- indoor and outdoor installation glueing
- glueing of corner joints in window and door manufacture
- joint glueing in interiors with strong climatic movement
- surface glueing e.g. overlapping panel cladding

Characteristics:

- open time at 20°C ca. 10 min.
- consumption approx. 150 g/m²
- press and bonding time of joints at +20°C approx. 22 min.
- press and bonding time of surfaces at +20°C approx. 15 min.
- contact with metal may lead to discoloration
- transparent glue line

G.U-PLAST D4 hardener

Description:

With addition of 5% hardener, group D4 according to DIN/EN 204 is achieved with timber bondings and a strength of 8 N/mm² according to WATT 91.

Work life of preperation at +20°C: 4 days.

Storage advice

All packages to be stored upright.



Application guns "Gun-Shop"

Application guns "Gun-Shop"

PG	Description	PU	Order Number
YC	PU foam gun NBS-Silver	1	9-38967-00-0-0
YC	PU foam gun Ultra	1	H-00055-00-0-0
YC	PU foam gun Universal	1	H-00848-00-0-0
YC	Silicone gun H14	310 ml	1 9-38966-00-0-0
YC	Silicone gun H17	600 ml	1 H-00103-00-0-0
YC	Hand pump for 2 part aluminium adhesive	1	H-00054-00-0-0

YC



PU foam gun NBS-Silver



PU foam gun Ultra



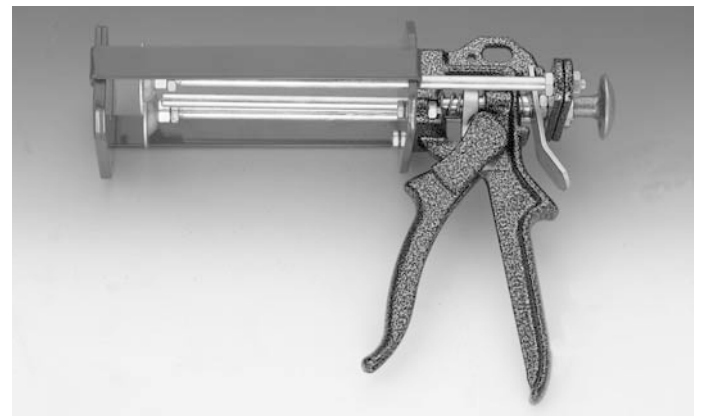
PU foam gun Universal



Silicone gun H14 / 310 ml



Silicone gun H17 / 600 ml



Hand pump "double decker" for 2 part aluminium adhesive



Product group

YD

Gaskets

YD

Gaskets

Gaskets for timber windows

Sash rebate gaskets, frame gaskets

Sash rebate gasket ACF 5558	YD.3
Sash rebate gasket ACF 5559 H	YD.3
Sash rebate gasket ACF 5560 H	YD.3
Sash rebate gasket AC 4040, EV 4040	YD.3
Sash rebate gasket AC 4045	YD.3
Sash rebate gasket AC 4050, EV 4050	YD.4
Sash rebate gasket ACF 5785	YD.4
Sash rebate gasket ACF 0125	YD.4
Sash rebate gasket ACF 0104	YD.4
Sash rebate gasket ACF 0105	YD.4
Sash rebate gasket ACAF 5633	YD.4
Sash rebate gasket ACF 5491	YD.5
Frame gasket ACF 6531	YD.5

Overlap gaskets

Overlap gasket ACF 4527	YD.6
Overlap gasket ACF 5511	YD.6
Overlap gasket AC 5019	YD.6
Overlap gasket AC 5343	YD.6
Overlap gasket AC 15, AC 18	YD.6
Overlap gasket ACF 5473	YD.7
Overlap gasket ACF 5850	YD.7
Overlap gasket ACF 6020	YD.7
Overlap gasket ACF 5955	YD.7
Overlap gasket ACF 5784	YD.7
Overlap gasket ACF 5855	YD.7

Dry glazing gaskets, sash rebate gaskets and accessories

Dry glazing gasket AC	YD.8
Perimeter gasket TKS	YD.8
Perimeter gasket AC 5550	YD.8
Perimeter gasket EV 5540	YD.8
Perimeter covers	YD.8
Groove filler EV 3117	YD.8
Mitre pliers ZA 01	YD.8

Gaskets for timber doors

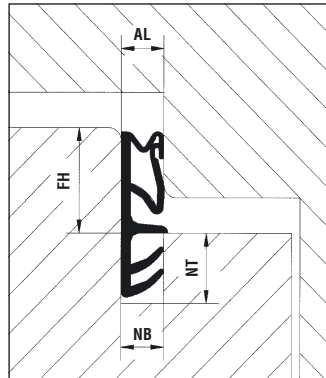
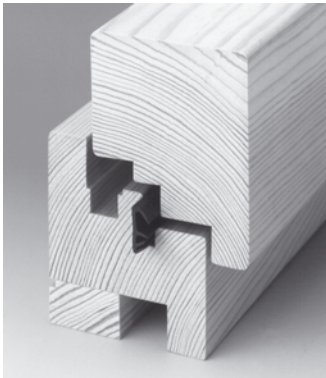
Entrance door and internal door gaskets

Entrance door gasket ACF 15 mm, ACF 18 mm	YD.9
Entrance door gasket SKF 15 mm, SKF 18 mm	YD.9
Internal door gasket AC with fin	YD.9
Internal door gasket EV with fin	YD.9
Internal door gasket AC standard	YD.9
Internal door gasket EV standard	YD.9
Internal door gasket AC 4291	YD.9
Internal door gasket EV 4291	YD.9

Material description

Qualities, characteristics, application	YD.10
Paintability	YD.10

Sash rebate gaskets for timber windows

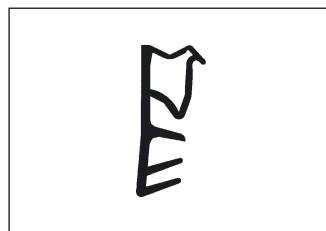


Sash rebate gaskets

PG	Description	Type	Colour	PU	Order Number
YDA	Sash rebate gasket	ACF 5558	white	200 m	9-38573-00-0-7
			brown rustic	200 m	9-38573-00-0-5
			black	200 m	9-38573-00-0-6
			beige	200 m	9-38573-00-0-3
			brown	200 m	9-38573-00-0-4
			grey	200 m	9-38573-00-0-1
YDA	Sash rebate gasket	ACF 5559	Hdark brown	200 m	H-00723-00-0-5
YDA	Sash rebate gasket	ACF 5560	Hdark brown	180 m	H-00724-00-0-5
YDA	Sash rebate gasket	AC 4040	black	200 m	H-00246-40-0-6
			white	200 m	H-00246-40-0-7
YDE	Sash rebate gasket	EV 4040	white	200 m	9-32747-20-0-7
			brown rustic	200 m	9-32747-20-0-5
			black	200 m	9-32747-20-0-6
YDA	Sash rebate gasket	AC 4045	brown	200 m	H-00246-45-0-4
			brown rustic	200 m	H-00246-45-0-5

G.U Gaskets

G.U gaskets consist of thermoplastic elast offering outstanding thermal and physical qualities. The material is resistant to ageing, weather, light and ozone, elastic at low temperature, unaffected by acrylic paint, PVC-free and weldable.



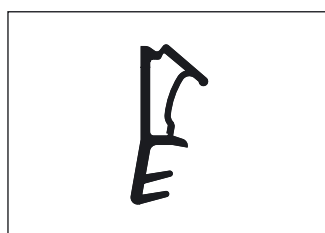
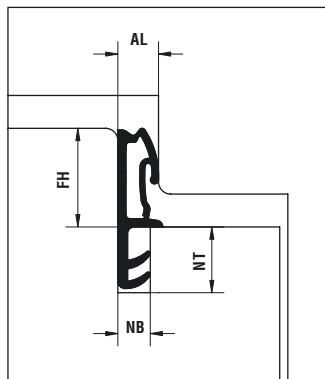
Sash rebate gasket ACF 5558

Dimensions

Rebate height FH:	12,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	5,0 mm

Note:

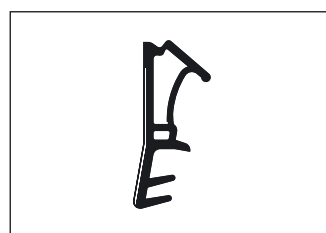
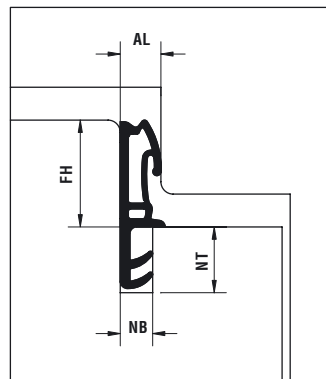
Gaskets made from ACF or EV (PCV) have identical cross sections, but AFC material is essentially more elastic than EC.



Sash rebate gasket ACF 5559 H

Dimensions

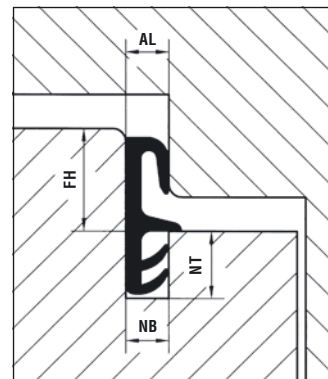
Rebate height FH:	12,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	4,0 mm



Sash rebate gasket ACAF 5560 H

Dimensions

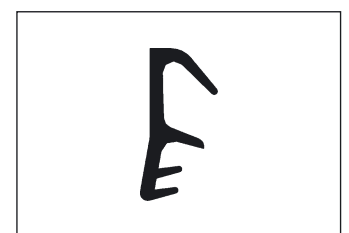
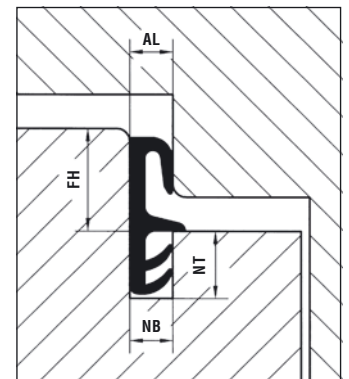
Rebate height FH:	13,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	4,0 mm



Sash rebate gasket AC 4040 / EV 4040

Dimensions

Rebate height FH:	12,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	4,0 mm

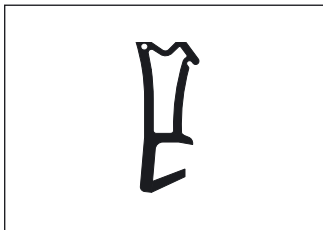
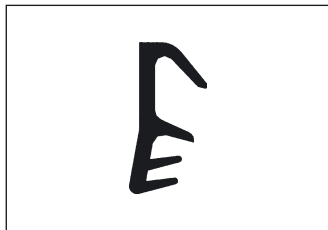
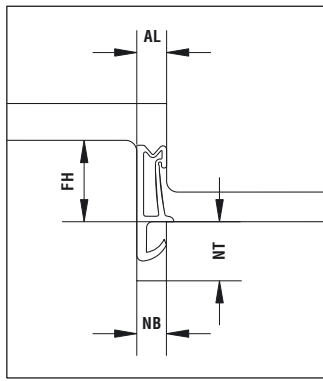
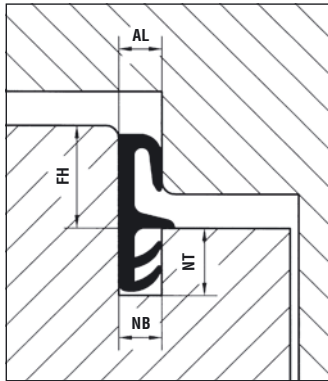


Sash rebate gasket AC 4045

Dimensions

Rebate height FH:	12,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	4,5 mm

Sash rebate gaskets for timber windows



Sash rebate gasket
AC 4050 / EV 4050

Sash rebate gasket
ACF 5785

Dimensions

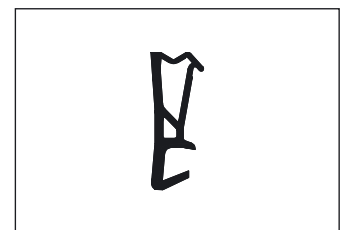
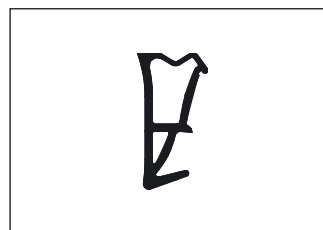
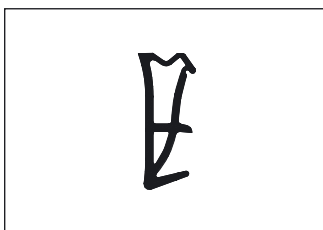
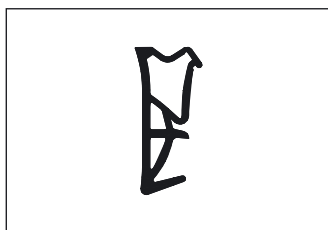
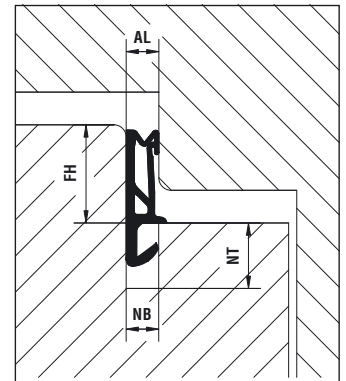
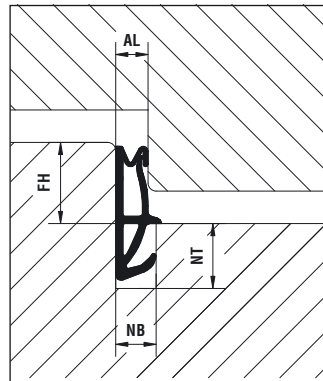
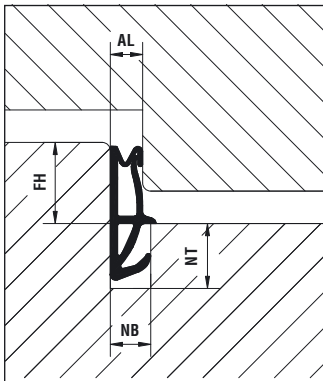
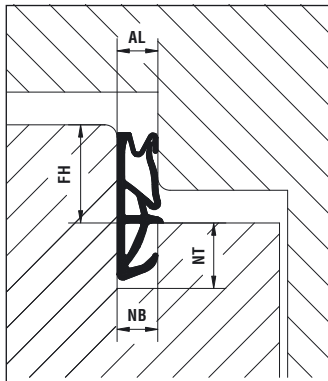
Rebate height FH: 12,0 mm
Clearance gap AL: 5,0 mm
Groove depth NT: 8,0 mm
Groove width NB: 5,0 mm

Dimensions

Rebate height FH: 11,0 mm
Clearance gap AL: 4,0 mm
Groove depth NT: 8,0 mm
Groove width NB: 4,0 mm

Sash rebate gaskets

PG	Description	Type	Colour	PU	Order Number
YDA	Sash rebate gasket	AC 4050	black	200 m	H-00246-50-0-6
			white	200 m	H-00246-50-0-7
YDE	Sash rebate gasket	EV 4050	white	200 m	H-00032-00-0-7
			brown rustic	200 m	9-32747-10-0-5
			black	200 m	9-32747-10-0-6
YDA	Sash rebate gasket	ACF 5785	white	200 m	H-00703-00-0-7
			brown rustic	200 m	H-00703-00-0-5
YD	Sash rebate gasket	ACF 0125	black	200 m	H-00703-00-0-6
			black	200 m	H-00617-00-0-5
YD	Sash rebate gasket	ACF 0104	white	200 m	H-00617-00-0-7
			dark brown	200 m	H-00617-00-0-5
			black	200 m	H-00617-00-0-6
YD	Sash rebate gasket	ACF 0104	white	200 m	H-00618-00-0-7
			dark brown	200 m	H-00618-00-0-5
			beige	200 m	H-00618-00-0-3
YD	Sash rebate gasket	ACF 0105	dark brown	200 m	H-00619-00-0-5
			black	200 m	H-00619-00-0-6
YD	Sash rebate gasket	ACAF 5633	dark brown	200 m	H-00620-00-0-5



Sash rebate gasket
ACF 0125

Sash rebate gasket
ACF 0104

Sash rebate gasket
ACF 0105

Sash rebate gasket
ACAF 5633

Dimensions

Rebate height FH: 12,0 mm
Clearance gap AL: 5,0 mm
Groove depth NT: 8,0 mm
Groove width NB: 4,0 up to 5,0 mm

Dimensions

Rebate height FH: 10,0 mm
Clearance gap AL: 4,0 mm
Groove depth NT: 8,0 mm
Groove width NB: 4,0 up to 5,0 mm

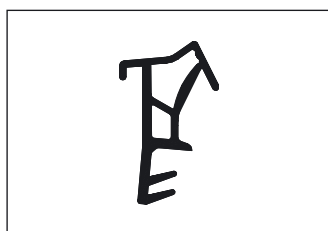
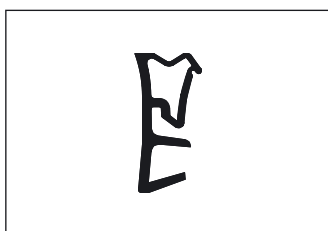
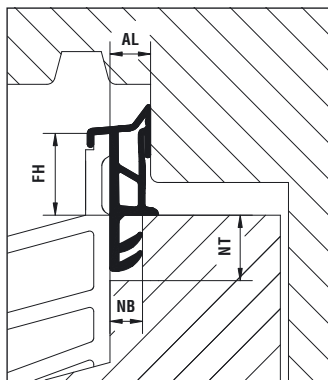
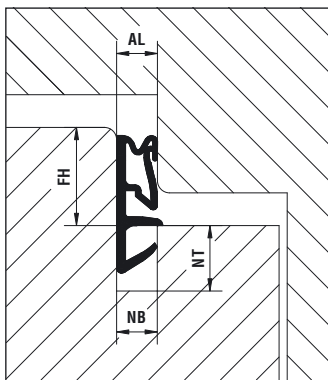
Dimensions

Rebate height FH: 10,0 mm
Clearance gap AL: 5,0 mm
Groove depth NT: 8,0 mm
Groove width NB: 4,0 up to 5,0 mm

Dimensions

Rebate height FH: 12,0 mm
Clearance gap AL: 4,0 mm
Groove depth NT: 8,0 mm
Groove width NB: 4,0 mm

Sash rebate gaskets and frame gaskets for timber windows



Sash rebate gasket
ACF 5491

Dimensions

Rebate height FH:	12,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	5,0 mm

Frame gasket
ACF 6531

Dimensions

Rebate height FH:	12,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	4,0 mm

Sash rebate gaskets

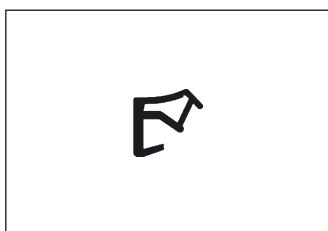
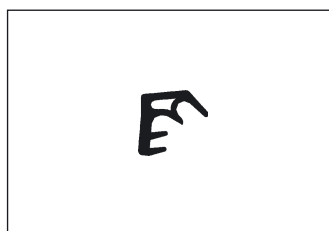
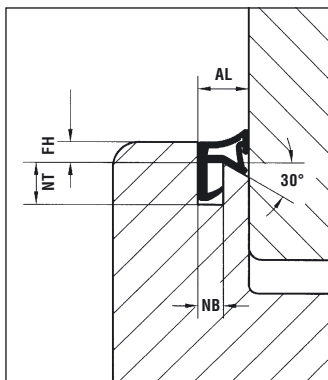
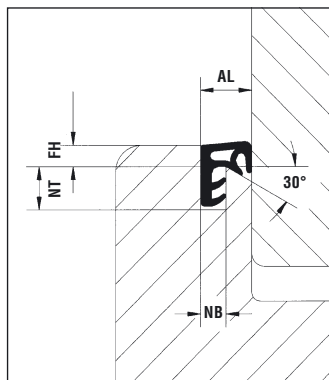
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YD	Sash rebate gasket	ACF 5491	white	200 m	H-00624-00-0-7
			brown rustic	200 m	H-00624-00-0-5
			black	200 m	H-00624-00-0-6
			beige	200 m	H-00624-00-0-3

Frame gaskets

PG	Description	Type	Colour	PU	Order Number
YD	Frame gasket	ACF 6531	dark brown	150 m	H-00621-00-0-5
			black	150 m	H-00621-00-0-6

YD

Overlap gaskets for timber windows



Overlap gasket
ACF 4527

Dimensions

Rebate height FH:	2,5 mm
Clearance gap AL:	6,0 mm
Groove depth NT:	5,0 mm
Groove width NB:	3,0 mm

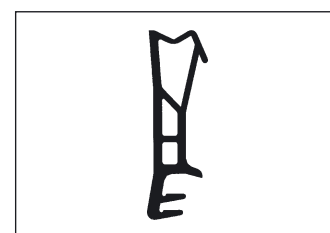
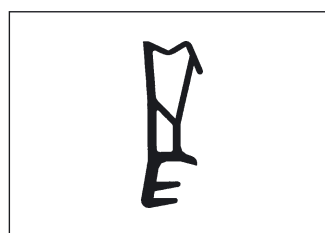
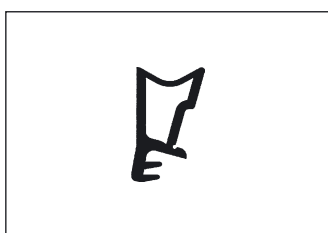
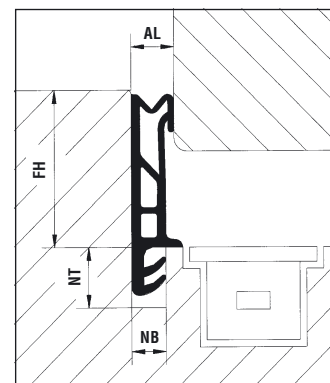
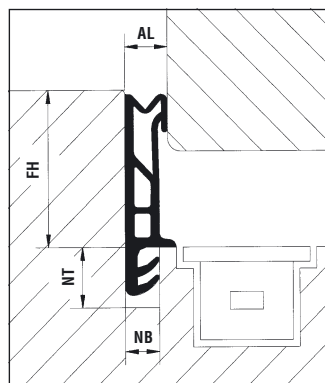
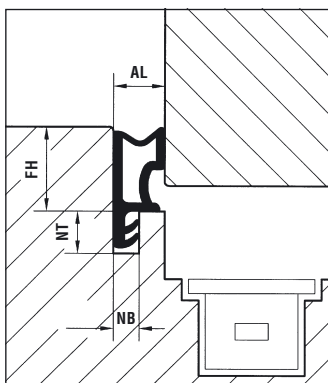
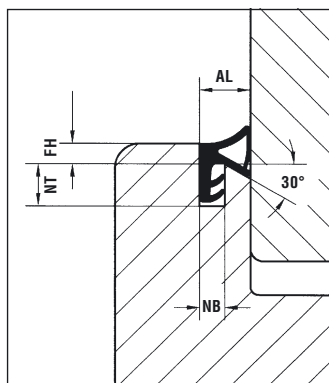
Overlap gasket
ACF 5511

Dimensions

Rebate height FH:	2,5 mm
Clearance gap AL:	6,0 mm
Groove depth NT:	5,0 mm
Groove width NB:	3,0 mm

Overlap gaskets

PG	Description	Type	Colour	PU	Order Number
YD	Overlap gasket	ACF 4527	white	400 m	9-38576-00-0-7
			brown rustic	400 m	9-38576-00-0-5
			black	400 m	9-38576-00-0-6
			beige	400 m	9-38576-00-0-3
			brown	400 m	9-38576-00-0-4
YD	Overlap gasket	ACF 5511	beige	400 m	H-00223-00-0-3
			brown	400 m	H-00223-00-0-4
			brown rustic	400 m	H-00223-00-0-5
			black	400 m	H-00223-00-0-6
			white	400 m	H-00223-00-0-7
YD	Overlap gasket	AC 5019	white	200 m	H-00224-00-0-7
			brown rustic	200 m	H-00224-00-0-5
			black	200 m	H-00224-00-0-6
YD	Overlap gasket	AC 5343	white	240 m	H-00247-00-0-7
			brown rustic	240 m	H-00247-00-0-5
			black	240 m	H-00247-00-0-6
YD	Overlap gasket 15 mm	AC 15	white	160 m	H-00023-00-0-7
			brown rustic	160 m	H-00023-00-0-5
			black	160 m	H-00023-00-0-6
			beige	160 m	H-00023-00-0-3
YD	Overlap gasket 18 mm	AC 18	white	160 m	9-38577-00-0-7
			brown rustic	160 m	9-38577-00-0-5
			black	160 m	9-38577-00-0-6
			beige	160 m	9-38577-00-0-3



Overlap gasket
AC 5019

Dimensions

Rebate height FH:	2,5 mm
Clearance gap AL:	6,0 mm
Groove depth NT:	5,0 mm
Groove width NB:	3,0 mm

Overlap gasket
AC 5343

Dimensions

Rebate height FH:	10,0 mm
Clearance gap AL:	6,0 mm
Groove depth NT:	5,0 mm
Groove width NB:	3,0 mm

Overlap gasket
AC 15

Dimensions

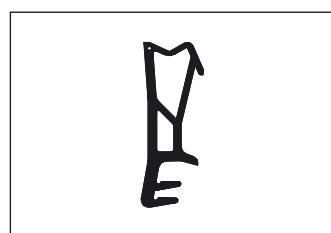
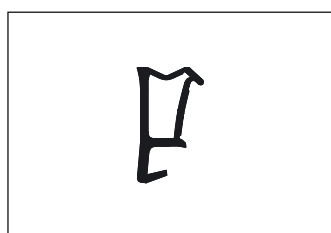
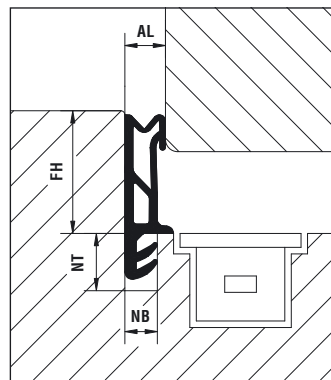
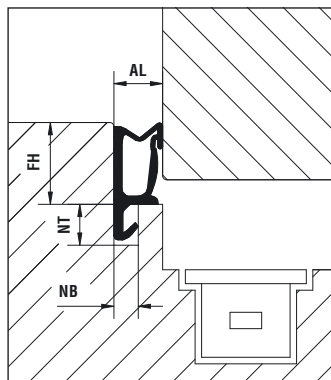
Rebate height FH:	15,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	4,0 mm

Overlap gasket
AC 18

Dimensions

Rebate height FH:	18,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	4,0 mm

Overlap gaskets for timber windows



Overlap gasket
ACF 5473

Dimensions

Rebate height FH:	10,0 mm
Clearance gap AL:	6,0 mm
Groove depth NT:	5,0 mm
Groove width NB:	3,0 mm

Overlap gasket
ACF 5850

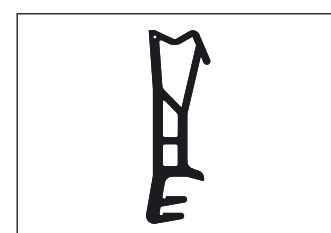
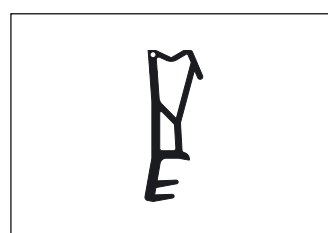
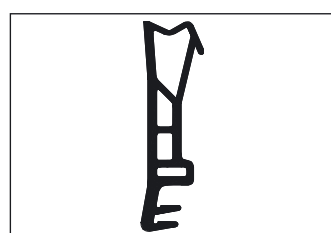
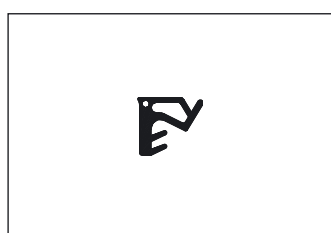
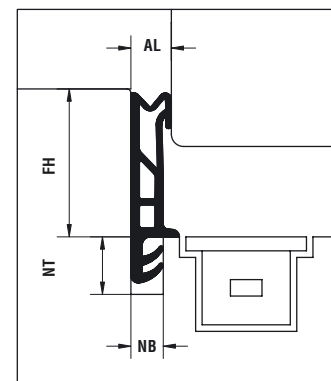
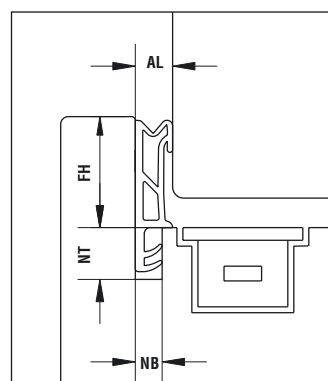
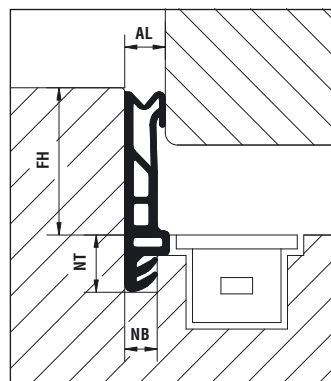
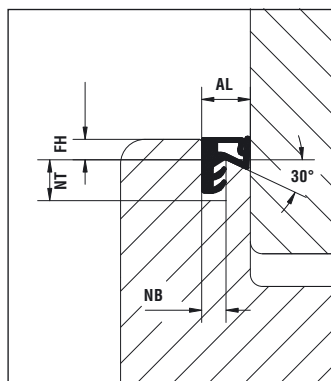
Dimensions

Rebate height FH:	15,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	4,0 mm

Overlap gaskets

PG	Description	Type	Colour	PU	Order Number
YD	Overlap gasket	ACF 5473	white	240 m	H-00622-00-0-7
			dark brown	240 m	H-00622-00-0-5
			black	240 m	H-00622-00-0-6
YD	Overlap gasket	ACF 5850	dark brown	160 m	H-00623-00-0-5
YD	Overlap gasket	ACF 6020	white	400 m	H-00625-00-0-7
			black	400 m	H-00625-00-0-6
			beige	400 m	H-00625-00-0-3
YDA	Overlap gasket	ACF 5955	white	140 m	H-00428-00-0-7
YD	Overlap gasket	ACF 5784	white	200 m	H-00704-00-0-7
			dark brown	200 m	H-00704-00-0-5
			black	200 m	H-00704-00-0-6
YD	Overlap gasket	ACF 5855	white	160 m	H-00813-00-0-7
			dark brown	160 m	H-00813-00-0-5

YD



Overlap gasket
ACF 6020

Dimensions

Rebate height FH:	2,5 mm
Clearance gap AL:	6,0 mm
Groove depth NT:	5,0 mm
Groove width NB:	3,0 mm

Overlap gasket
ACF 5955

Dimensions

Rebate height FH:	18,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	4,0 mm

Overlap gasket
ACF 5784

Dimensions

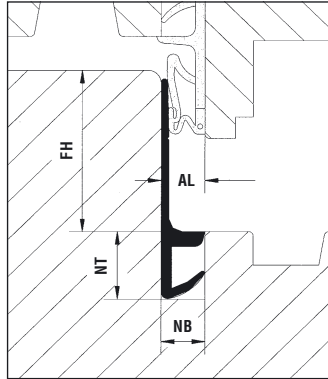
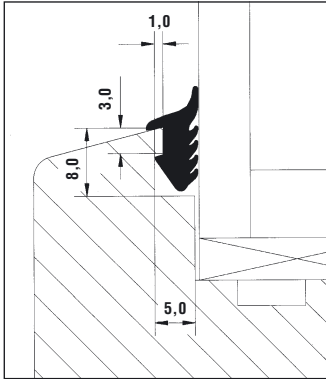
Rebate height FH:	15,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	3,5 to 3,7 mm

Overlap gasket
ACF 5855

Dimensions

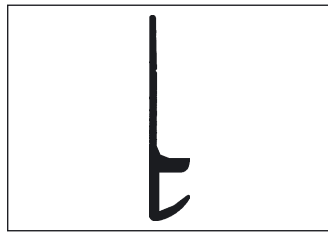
Rebate height FH:	18,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	4,0 mm

Dry glazing gaskets, sash rebate gaskets and accessories for timber windows



Dry glazing gaskets, sash rebate gaskets and accessories

PG	Description	Type	Colour	PU	Order Number
YD	Dry glazing gasket	AC	white	200 m	9-38574-00-0-7
			brown rustic	200 m	9-38574-00-0-5
			black	200 m	9-38574-00-0-6
YD	Sash rebate gasket	TKS	white	175 m	H-00031-00-0-7
			brown rustic	175 m	H-00031-00-0-5
			black	175 m	H-00031-00-0-6
			beige	175 m	H-00031-00-0-3
YD	Sash rebate gasket	AC 5550	black	140 m	H-00315-00-0-6
YD	Sash rebate gasket	EV 5540	white	140 m	H-00227-00-0-7
YD	Perimeter gasket		white	100	H-00024-00-0-7
			brown rustic	100	H-00024-00-0-5
			black	100	H-00024-00-0-6
			beige	100	H-00024-00-0-3
YD	Groove filler	EV 3117	white	200 m	H-00786-00-0-7
			dark brown	200 m	H-00786-00-0-5
			grey	200 m	H-00786-00-0-1
YD	Mitre pliers ZA 01			1	9-38575-00-0-0
	Packing with adjustable stops			1	H-00760-00-0-0
	Blade „V“, 1 pair			1	H-00761-00-0-0



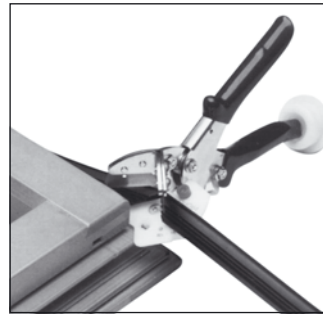
Dry glazing gasket AC

Suitable for both internal and external glazing rebate

Sash rebate gasket KTS

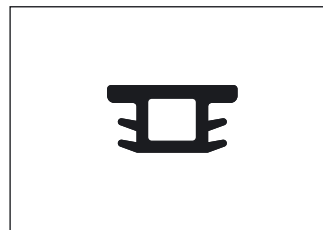
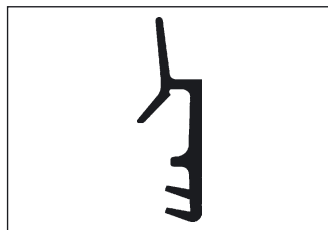
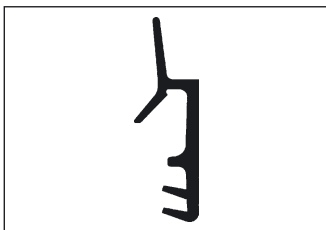
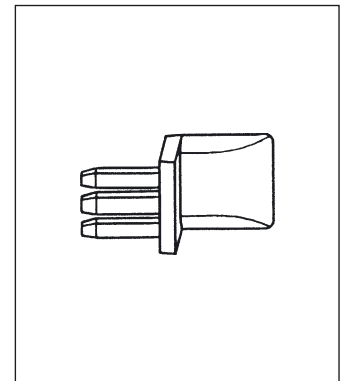
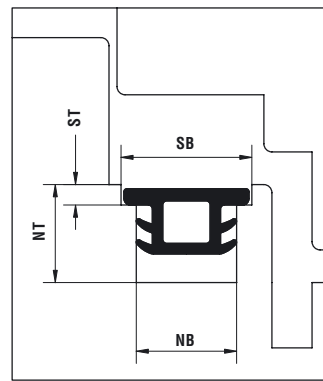
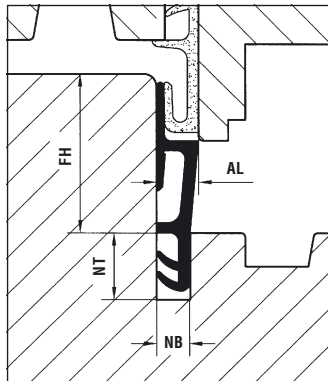
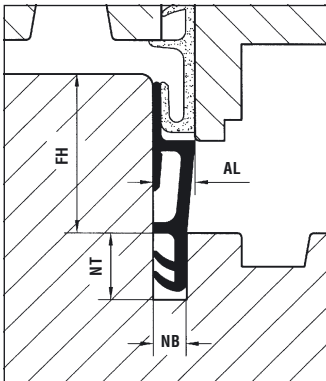
Dimensions

Rebate height FH: 19,0 mm / 12,0 mm
 Clearance gap AL: 5,0 mm
 Groove depth NT: 8,0 mm
 Groove width NB: 5,0 mm



Mitre pliers ZA 01

To provide for 90° corners. Suitable to insert gaskets with thread using the roll on the handle.



Sash rebate gasket EV 5540

Dimensions

Rebate height FH: 19,0 mm
 Clearance gap AL: 5,0 mm
 Groove depth NT: 8,0 mm
 Groove width NB: 4,0 mm

Sash rebate gasket AC 5550

Dimensions

Rebate height FH: 19,0 mm
 Clearance gap AL: 5,0 mm
 Groove depth NT: 8,0 mm
 Groove width NB: 5,0 mm

Groove filler EV 3117

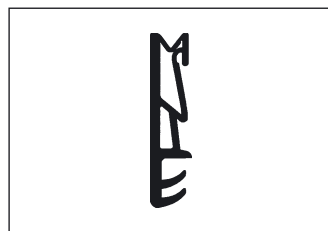
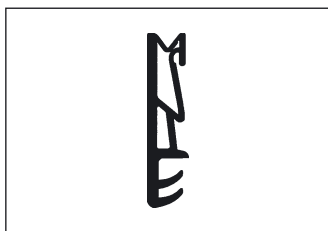
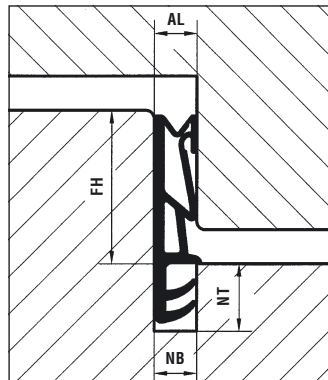
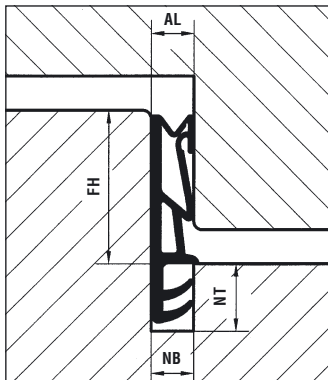
Dimensions

Groove width SB: 16,3 mm
 Groove depth ST: 2,5 mm
 Groove depth NT: 12,0 mm
 Groove width NB: 12,5 mm

Perimeter gasket

Perimeter gasket for sash rebate gasket.

Entrance and internal door gaskets for timber doors



Entrance door gasket
ACF 15 / SKF 15

Dimensions

Rebate height FH:	15,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	5,0 mm

Entrance door gasket
ACF 18 / SKF 18

Dimensions

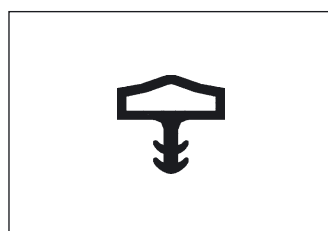
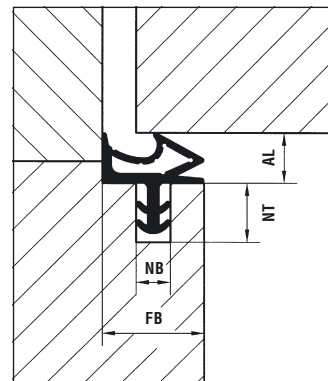
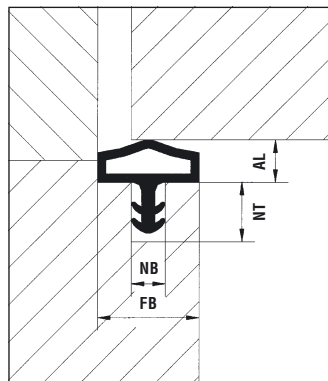
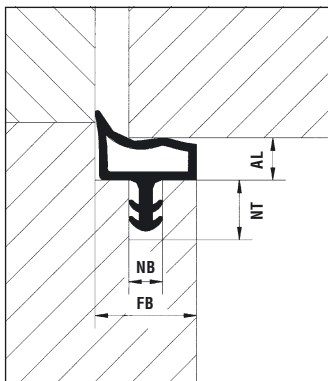
Rebate height FH:	18,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	8,0 mm
Groove width NB:	5,0 mm

Entrance and internal door gaskets for timber doors

PG	Description	Type	Colour	PU	Order Number
YD	Entrance door gasket 15 mm	ACF	white	150 m	H-00025-00-0-7
			brown rustic	150 m	H-00025-00-0-5
			black	150 m	H-00025-00-0-6
YD	Entrance door gasket 18 mm	ACF	white	150 m	H-00026-00-0-7
			brown rustic	150 m	H-00026-00-0-5
			black	150 m	H-00026-00-0-6
YD	Entrance door gasket 15 mm	SKF	white	100 m	H-00027-00-0-7
			brown rustic	100 m	H-00027-00-0-5
			black	100 m	H-00027-00-0-6
YD	Entrance door gasket 18 mm	SKF	white	100 m	H-00028-00-0-7
			brown rustic	100 m	H-00028-00-0-5
			black	100 m	H-00028-00-0-6
YD	Internal door gasket with fin	AC	white	100 m	H-00029-00-0-7
			brown rustic	100 m	H-00029-00-0-5
			black	100 m	H-00029-00-0-6
YD	Internal door gasket with fin	EV	white	100 m	H-00030-00-0-7
			brown rustic	100 m	H-00030-00-0-5
			black	100 m	H-00030-00-0-6
			beige	100 m	H-00030-00-0-3
YD	Internal door gasket standard	AC	white	100 m	9-38578-00-0-7
			brown rustic	100 m	9-38578-00-0-5
			black	100 m	9-38578-00-0-6
YD	Internal door gasket standard	EV	white	100 m	9-38579-00-0-7
			brown rustic	100 m	9-38579-00-0-5
			black	100 m	9-38579-00-0-6
			brown	100 m	9-38579-00-0-4
YD	Internal door gasket AC 4291	beige	100 m	H-00225-00-0-3	
YD	Internal door gasket EV 4291	beige	100 m	H-00226-00-0-3	
		black	100 m	H-00226-00-0-6	
		white	100 m	H-00226-00-0-7	

Note:

Gaskets made from ACF or EV (PCV) have identical cross sections, but AFC material is essentially more elastic than EC.



Internal door gasket
AC / EV with fin

Dimensions

Falzbreite FB:	12,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	4,0 mm

Internal door gasket
AC / EV Standard

Dimensions

Falzbreite FB:	12,0 mm
Clearance gap AL:	5,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	4,0 mm

Internal door gasket
AC 4291 / EV 4291

Dimensions

Falzbreite FB:	12,0 mm
Clearance gap AL:	5,0 up to 9,0 mm
Groove depth NT:	7,0 mm
Groove width NB:	4,0 mm

Material description

Quality	Characteristics	Application
AC/ACF/ACAF Thermoplastic elastomer, resistant to ageing, weather, light and ozone, elastic at low temperature, unaffected by acrylic paint, PVC-free and weldable.	Rubberlike elasticity without vulcanization. A purpose made compound, developed for the needs of our customers. Good physical and thermal characteristics. Temperature range - 40 °C to + 70 °C. Without plasticizer migration.	Centre, rebate and glazing gasket for timber, aluminium and PVC windows and doors of both indoor and outdoor use. Gasketing for shutters, partitions, gates, motor industry.
EV Modified elastic polymer, resistant to ageing, weather, light and ozone, elastic at low temperature, weldable.	Good physical characteristics, weather resistant, high restoring ability, high flexibility. Temperature range - 30 °C to + 60 °C.	Timber, PVC and aluminium doors and windows, interior work and furniture industry, shutter guide rails.
SKF Silicone	Outstanding physical characteristics, temperature range - 45 °C to + 200 °C. Best restoring ability, very high flexibility.	Almost unlimited.
TKS Thermoplastic elastomer, improved heat resistance, ageing, weather, light and ozone resistant, elastic at low temperature, unaffected by acrylic paint, PVC-free and weldable.	Rubberlike characteristics without vulcanization. A purpose made compound, developed for the needs of our customers. Good thermal and physical characteristics. Temperature range - 30 °C to + 100 °C without plasticizer migration.	Centre, rebate and glazing gasket for timber, aluminium and PVC windows and doors of both indoor and outdoor use. Gasketing for shutters, partitions, gates, motor industry.

Paint compatibility of quality EV

By observing the recommended drying cycles, the following paint systems are possible: Alkyd resin varnishes and paints, polyurethane paints (DD paints), 2 part epoxy resin paints, acid-hardening paints the PVC resistance of which is certified by the manufacturer, and chemically cross-linked baking enamels. Nonrecommended paints are: nitrocellulose paints, solvent and water based acrylic varnishes and paints and PVC paints.

Paint compatibility of the qualities AC, AF, TKS, SKF = Silicone

By observing the recommended drying cycles, the following paint systems are possible: Alkyd resin varnishes and paints, polyurethane paints (DD paints), 2 part epoxy resin paints, acid-hardening paints and chemically cross-linked baking enamels. Also suitable for nitrocellulose paints, solvent and water based acrylic varnishes and paints and PVC paints.

The information given on paint compatibility does not release the user from the need to carry out his own tests.

All qualities of gaskets with the exception of silicone offer the advantage to be weldable with our processing equipment.

Standard colours

Black, rustic brown, beige, white.

Special colours

Available in special colours according to your requirements in RAL colours.

Silicone

Silicone in white, brown and black.

Product group

YE

Composite panel

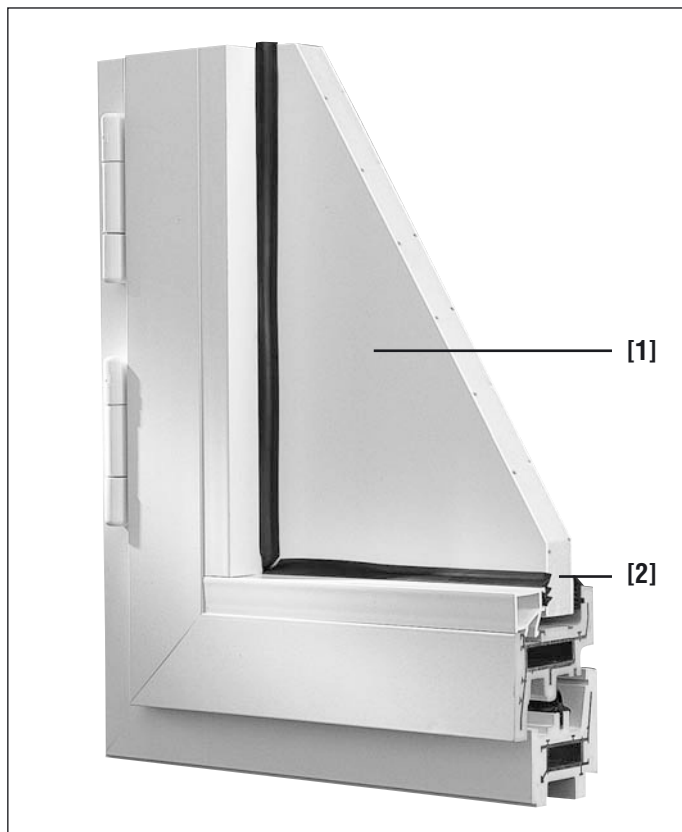
YE

Composite Panel

G.U-THERM security composite panel G.U-THERM hard foam panel

G.U-THERM security composite panel	YE.3
G.U-THERM ECO security composite panel	YE.3
G.U-THERM hard foam panel	YE.4

G.U-THERM security composite panel



G.U-THERM security panel

PG	Description	PU	Order Number
YE	G.U-THERM security panel	25	H-00006-00-0-7
YE	G.U-THERM ECO security panel	25	H-00785-00-0-7
Technical data		H-00006-00-0-7	H-00785-00-0-7
Dimensions		3000 x 1500 x 24 mm	3000 x 1500 x 23,6 mm
Foam		21 mm	21 mm
PVC-SF		2 x 1,5 mm	2 x 1,3 mm
Weight		5,5 kg/m ²	5,4 kg/m ²
k-value		1,26 W/m ² K	1,26 W/m ² K

Product description

Finish [1]

PVC hard panel according to DIN 7748, colour white

- B1 = hardly inflammable to DIN 4102
- enhanced impact resistance to DIN 53453
- UV stable
- weather resistant
- chemical resistance to DIN 16929
- moisture resistant
- delivered with protective film

Thermal insulation [2]

Extruded polystyrene foam

- high thermal insulation, thermal conductivity group 030 to DIN 52612
- secure long term behaviour
- homogeneous density
- unaffected by moisture
- B1 = hardly inflammable to DIN 4102
- G.U-THERM security panel = FCKW- and HFCKW free (blue)
- G.U-THERM ECO security panel = CO₂ foamed (yellow)

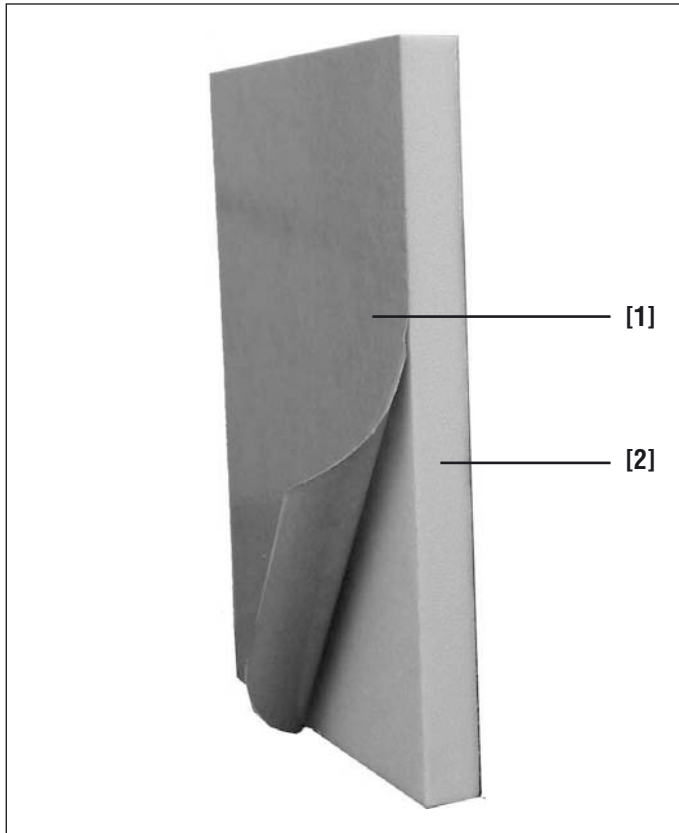
Advantages

- high thermal and acoustic values
- high resistance to pressure
- light weight
- finish film protected

Applications

- undersill panel (thermal and sound insulation)
- gate, door, window and façade elements
- partitions
- wall panels for cold rooms
- mobile home walls
- walling for fairs and exhibitions

G.U-THERM hard foam panel



G.U-THERM hard foam panel

PG	Description	PU	Order Number
YE	G.U-THERM hard foam panel, 20 mm	50	H-00208-20-0-7

Technical data

Dimensions	3000 x 1000 x 20 mm
Foam	20 mm
PVC-SF	%
Weight	0,8 kg/m ²
k-value	1,34W/m ² K

Product description

Finish [1]

Two-sided adhesive foil, covered with silicone foil

- permanently elastic, no embrittlement
- water resistant
- resistant to weathering and ageing

Thermal insulation [2]

Styrofoam (CFC-free)

- thermal conductivity group 035 to DIN 4108
- resistance to pressure 0,30 N/mm² to DIN 53421
- volumetric weight RG 30 (30 kg/m³)
- water absorption after 28 days 0,5% DIN 53428
- hardly inflammable (building material class B1 to DIN 4102)
- dimensional stability up to +75°C

Processing Instructions

The G.U-THERM hard foam panel must be stored horizontally on an even surface or pallet and covered up to protect it against weathering and moisture.

The silicone film must not be removed until the panel is glued. The surfaces to be joint must be free of grease and dirt.

The required pressing power of at least 0,1-0,2 kp/cm² must be held for a short time. However, the foam's resistance to pressure must not be exceeded.

Advantages

- high thermal and acoustic values
- high resistance to pressure
- light weight
- finish film protected

Applications

- undersill panel (thermal and sound insulation)
- gate, door, window and façade elements
- partitions
- wall panels for cold rooms
- mobile home walls
- walling for fairs and exhibitions

Product group

YF

Window sills (external)

YF

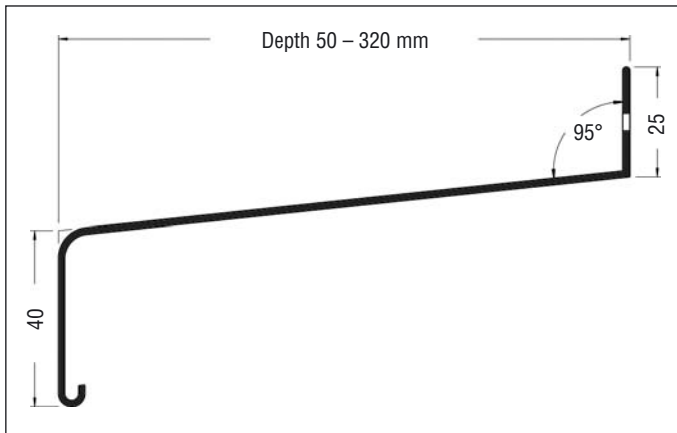
External Window Sills

Aluminium window sills

Aluminium window sills with 40 mm drip edge in stock length and cut to measure

Aluminium window sills	YF.3
PVC and aluminium window sill closers	YF.4
Exterior and interior aluminium corner connectors 90°, window sill butt joints	YF.5
Window sill clips, window sill gasket, window sill screw, screw covers, anti noise pads and UV protective film	YF.6
Mitre cuts, mitre weldings, whole and half recesses for pillars	YF.7
Edged window sills, segment window sills, window sills for round windows	YF.8
Advice on mounting and cleaning	YF.9
Delivery advice	YF.9
Dimensioning – window sill forms	YF.10
Dimensioning – window sill mounting	YF.11
Order form	YF.12

Aluminium window sills with 40 mm drip edge



Advantages

For coping of external brick work and protecting it from weathering, G.U weather resistant aluminium window sills are available in a choice of finishes and depths.

All window sills have rounded edges and an upstand of 40 mm. They are available in depths of 50 mm to 320 mm.

Delivery in stock length

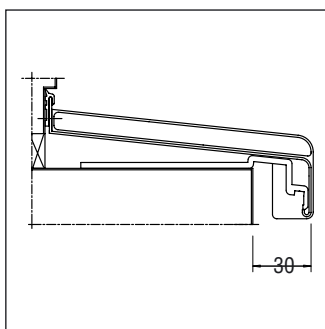
G.U aluminium sills are delivered in 6000 mm stock length with oval holes 4,2 x 7 mm at 300 mm centres in the upstand for screw fixing.

All window sills in EV 1, UC 5, white or special RAL colour are delivered with protective film.

Cut to measure = size "-98"

The order numbers of window sills cut to measure are specified by size "-98". The following services are available:

- cutting to size of window sill
- cutting of special forms, recesses for pillars
- welding works



Installation

The projection of the window sill over the outside face must be a minimum of 30 mm. The 5° run off angle must be maintained after installation.

Window sills with 40 mm drip edge – delivery in stock lengths

PG	Description	Depth mm	PU	Order number [1]
YF	Window sill	50	6 m	H-10050-00-0-*
		70	6 m	H-10070-00-0-*
		90	6 m	H-10090-00-0-*
		110	6 m	H-10110-00-0-*
		130	6 m	H-10130-00-0-*
		150	6 m	H-10150-00-0-*
		165	6 m	H-10165-00-0-*
		180	6 m	H-10180-00-0-*
		195	6 m	H-10195-00-0-*
		210	6 m	H-10210-00-0-*
		225	6 m	H-10225-00-0-*
		240	6 m	H-10240-00-0-*
		260	6 m	H-10260-00-0-*
		280	6 m	H-10280-00-0-*
		320	6 m	H-10320-00-0-*

Window sills with 40 mm drip edge – delivery cut to measure "98"

PG	Description	Depth mm	PU	Order number [1]
YF	Window sill	50	6 m	H-10050-98-0-*
		70	6 m	H-10070-98-0-*
		90	6 m	H-10090-98-0-*
		110	6 m	H-10110-98-0-*
		130	6 m	H-10130-98-0-*
		150	6 m	H-10150-98-0-*
		165	6 m	H-10165-98-0-*
		180	6 m	H-10180-98-0-*
		195	6 m	H-10195-98-0-*
		210	6 m	H-10210-98-0-*
		225	6 m	H-10225-98-0-*
		240	6 m	H-10240-98-0-*
		260	6 m	H-10260-98-0-*
		280	6 m	H-10280-98-0-*
		320	6 m	H-10320-98-0-*

Features [1]

- * = Finish
- 0 = plain – without UV protective film
- 1 = EV 1 anodized
- 5 = UC 5 anodized
- 7 = white (RAL 9016)
- 9 = special RAL colour

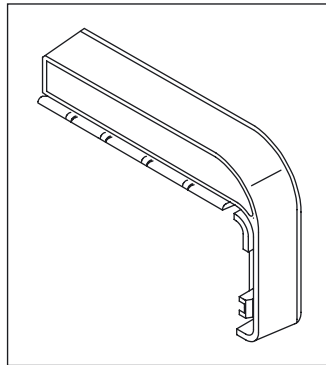
PVC and aluminium window sill closers for 40 mm drip edge

Installation

Before inserting the window sill into the cavity of the closer, silicone must be applied.

When rendering up to the closer separate with foam tape all along joint or seal with silicone between render and closer.

In order to control thermal expansion, the expansion joints should be a minimum of 12 mm (both sides together).



**PVC window sill closer
H-00639-**-0-* – detachable**

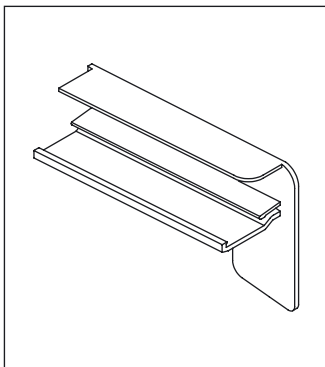
PVC window sill closers – detachable

PG	Description	Depth mm	PU	Order number [1]
YF	PVC window sill closer	50	25 pairs	H-00639-05-0-*
		70	25 pairs	H-00639-07-0-*
		90	25 pairs	H-00639-09-0-*
		110	25 pairs	H-00639-11-0-*
		130	25 pairs	H-00639-13-0-*
		150	25 pairs	H-00639-15-0-*
		165	25 pairs	H-00639-16-0-*
		180	25 pairs	H-00639-18-0-*
		195	25 pairs	H-00639-19-0-*
		210	25 pairs	H-00639-21-0-*
		225	25 pairs	H-00639-22-0-*
		240	25 pairs	H-00639-24-0-*
		260	25 pairs	H-00639-26-0-*
		280	25 pairs	H-00639-28-0-*
		320	25 pairs	H-00639-32-0-*

Features [1]

* = Finish

1 = grey
5 = brown
7 = white (RAL 9016)



Window sill closer H-00642--0-*,
detachable, for connection to render**

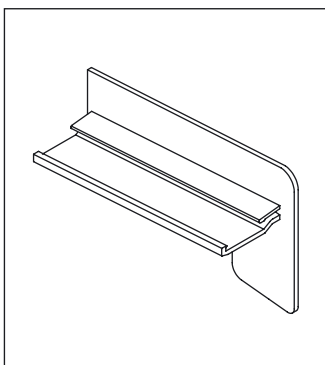
Features [1]

* = Finish

0 = plain
1 = EV 1 anodized
5 = UC 5 anodized
7 = white (RAL 9016)
9 = special RAL colour

Aluminium window sill closers – detachable, for connection to render

PG	Description	Depth mm	PU	Order number [1]
YF	PVC window sill closer	50	25 pairs	H-00642-05-0-*
		70	25 pairs	H-00642-07-0-*
		90	25 pairs	H-00642-09-0-*
		110	25 pairs	H-00642-11-0-*
		130	25 pairs	H-00642-13-0-*
		150	25 pairs	H-00642-15-0-*
		165	25 pairs	H-00642-16-0-*
		180	25 pairs	H-00642-18-0-*
		195	25 pairs	H-00642-19-0-*
		210	25 pairs	H-00642-21-0-*
		225	25 pairs	H-00642-22-0-*
		240	25 pairs	H-00642-24-0-*
		260	25 pairs	H-00642-26-0-*
		280	25 pairs	H-00642-28-0-*
		320	25 pairs	H-00642-32-0-*



Window sill closer H-00643--0-*,
detachable for connection to masonry
and exposed concrete**

Features [1]

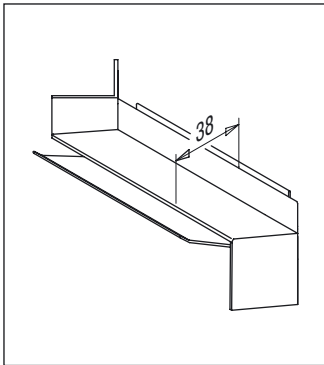
* = Finish

0 = plain
1 = EV 1 anodized
5 = UC 5 anodized
7 = white (RAL 9016)
9 = special RAL colour

Aluminium window sill closers – detachable, for connection to masonry and exposed concrete

PG	Description	Depth mm	PU	Order number [1]
YF	PVC window sill closer	50	25 pairs	H-00643-05-0-*
		70	25 pairs	H-00643-07-0-*
		90	25 pairs	H-00643-09-0-*
		110	25 pairs	H-00643-11-0-*
		130	25 pairs	H-00643-13-0-*
		150	25 pairs	H-00643-15-0-*
		165	25 pairs	H-00643-16-0-*
		180	25 pairs	H-00643-18-0-*
		195	25 pairs	H-00643-19-0-*
		210	25 pairs	H-00643-21-0-*
		225	25 pairs	H-00643-22-0-*
		240	25 pairs	H-00643-24-0-*
		260	25 pairs	H-00643-26-0-*
		280	25 pairs	H-00643-28-0-*
		320	25 pairs	H-00643-32-0-*

Exterior and interior aluminium corner connectors 90°, window sill butt joints for 40 mm drip edge



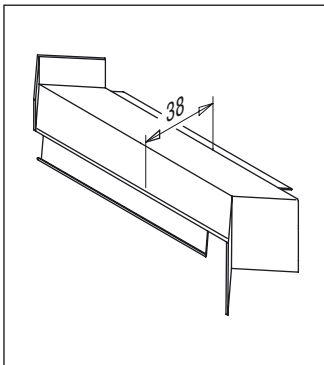
Exterior corner connector 90°
H-00648-**-0-*

Features [1]

- * = Finish
- 0 = plain
- 1 = EV 1 anodized
- 5 = UC 5 anodized
- 7 = white (RAL 9016)
- 9 = special RAL colour

Exterior corner connectors 90°

PG	Description	Depth mm	PU	Order number [1]
YF	Exterior corner connector 90°	50	10 St.	H-00648-05-0-*
		70	10 St.	H-00648-07-0-*
		90	10 St.	H-00648-09-0-*
		110	10 St.	H-00648-11-0-*
		130	10 St.	H-00648-13-0-*
		150	10 St.	H-00648-15-0-*
		165	10 St.	H-00648-16-0-*
		180	10 St.	H-00648-18-0-*
		195	10 St.	H-00648-19-0-*
		210	10 St.	H-00648-21-0-*
		225	10 St.	H-00648-22-0-*
		240	10 St.	H-00648-24-0-*
		260	10 St.	H-00648-26-0-*
		280	10 St.	H-00648-28-0-*
		320	10 St.	H-00648-32-0-*



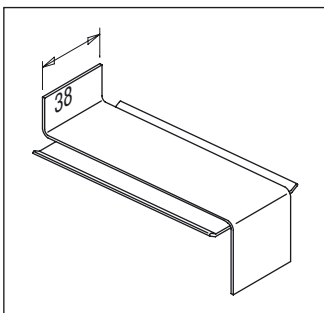
Interior corner connector 90°
H-00649-**-0-*

Features [1]

- * = Finish
- 0 = plain
- 1 = EV 1 anodized
- 5 = UC 5 anodized
- 7 = white (RAL 9016)
- 9 = special RAL colour

Interior corner connectors 90°

PG	Description	Depth mm	PU	Order number [1]
YF	Interior corner connector 90°	50	10 St.	H-00649-05-0-*
		70	10 St.	H-00649-07-0-*
		90	10 St.	H-00649-09-0-*
		110	10 St.	H-00649-11-0-*
		130	10 St.	H-00649-13-0-*
		150	10 St.	H-00649-15-0-*
		165	10 St.	H-00649-16-0-*
		180	10 St.	H-00649-18-0-*
		195	10 St.	H-00649-19-0-*
		210	10 St.	H-00649-21-0-*
		225	10 St.	H-00649-22-0-*
		240	10 St.	H-00649-24-0-*
		260	10 St.	H-00649-26-0-*
		280	10 St.	H-00649-28-0-*
		320	10 St.	H-00649-32-0-*



Window sill butt joint
H-00644-**-0-*

Features [1]

- * = Finish
- 0 = plain
- 1 = EV 1 anodized
- 5 = UC 5 anodized
- 7 = white (RAL 9016)
- 9 = special RAL colour

Window sill butt joints

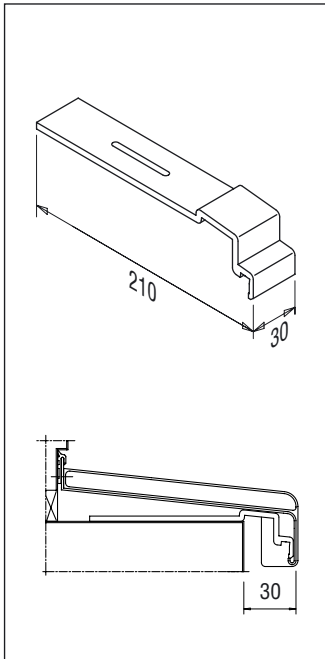
PG	Description	Depth mm	PU	Order number [1]
F	Window sill butt joint	50	10 St.	H-00644-05-0-*
		70	10 St.	H-00644-07-0-*
		90	10 St.	H-00644-09-0-*
		110	10 St.	H-00644-11-0-*
		130	10 St.	H-00644-13-0-*
		150	10 St.	H-00644-15-0-*
		165	10 St.	H-00644-16-0-*
		180	10 St.	H-00644-18-0-*
		195	10 St.	H-00644-19-0-*
		210	10 St.	H-00644-21-0-*
		225	10 St.	H-00644-22-0-*
		240	10 St.	H-00644-24-0-*
		260	10 St.	H-00644-26-0-*
		280	10 St.	H-00644-28-0-*
		320	10 St.	H-00644-32-0-*

Installation

Butt joint

To provide movement of the aluminium window sill due to temperature change, for total sill length over 3000 mm divide and apply a G.U butt joint.

Window sill clips, window sill gasket, window sill screw, screw covers, anti noise pads and UV protective film

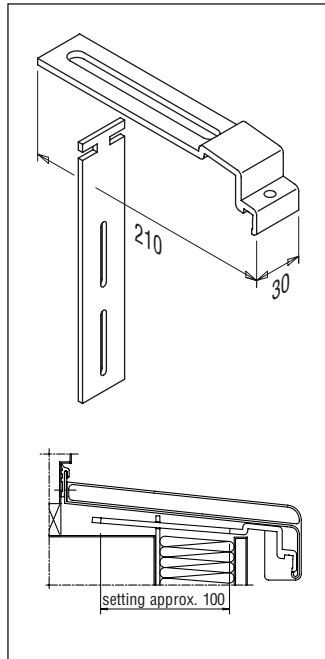


Window sill clip FBH 40
H-00726-00-0-0

Application advice

Window sill clip

Due to the tight fit of the clips, the firm installation of the window sill is ensured. For window sills up to 1,20 m two



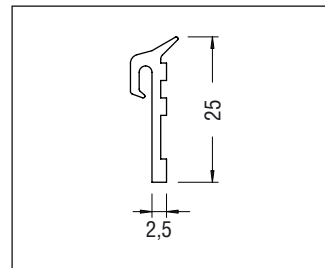
Window sill clip FBH 40-flex
H-00728-00-0-0

clips should be used. For greater lengths an additional clip should be used at a distance of 60 cm.

Window sill clips, window sill gasket, window sill gasket, screw cover

PG	Description	Dim. mm	Features	PU	Order number
YF	Window sill clip FBH 40			1 St.	H-00726-00-0-0
YF	Window sill clip FBH 40-flex			1 St.	H-00728-00-0-0
YF	Window sill gasket		black	50 m	H-00050-00-0-6
YF	Window sill screw with polyamide washer	3,9 x 22	galvanized	1000 St.	H-00051-22-0-1
YF	Window sill screw with polyamide washer	3,9 x 22	V2A	1000 St.	H-00051-22-0-8
YF	Screw cover for window sill screw		EV 1	500 St.	H-00052-00-0-1
			brown	500 St.	H-00052-00-0-5
			white	500 St.	H-00052-00-0-7

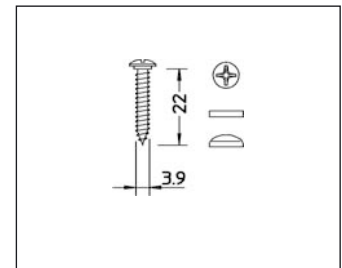
[1] 0 = plain, 1 = EV 1, 5 = brown, 6 = black, 7 = white, 8 = V2A



Window sill gasket
H-00050-00-0-0

Installation

When mounting the window sill, a gasket must be placed between upstand for screw fixing and window.



Window sill screw
H-00051-22-0-*

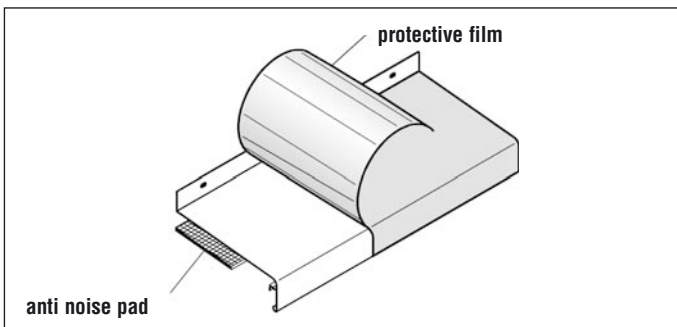
Screws and covers

Window sill screw

3,9 x 22 mm with polyamide washer.

Screw cover

Use H-00052-00-0-* to cover screw heads.



UV protective film and anti noise pad

Application advice

Anti noise pad

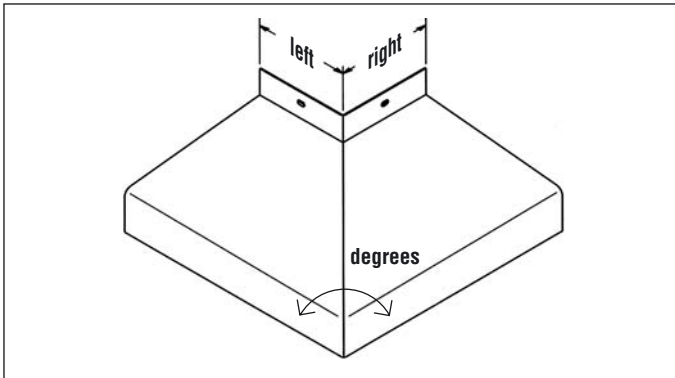
for depths up to 90 mm = anti noise pad 30 mm
for depths up to 150 mm = anti noise pad 50 mm
for depths up to 360 mm = anti noise pad 80 mm

We recommend that for the suppression of noise e.g. from rain, anti noise pads should be affixed under the window sill.

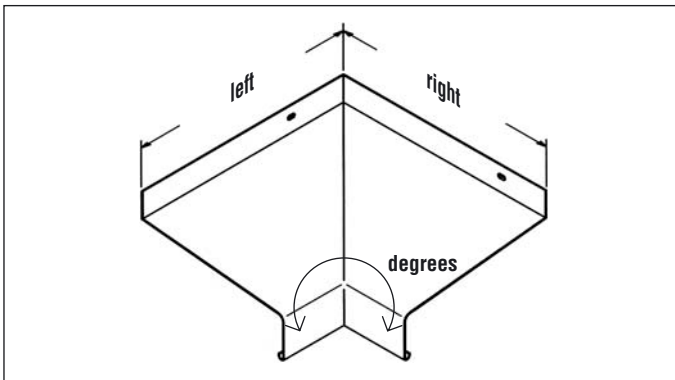
Anti noise pads and UV protective film

PG	Description	Dim. mm	PU	Order number
YF	Anti noise pad	1000 x 30	100 St.	H-00053-30-0-0
		1000 x 50	100 St.	H-00053-50-0-0
		1000 x 80	100 St.	H-00053-80-0-0
YF	Anti noise pad affixed	1000 x 30	1 St.	H-00754-98-0-0
		1000 x 50	1 St.	H-00755-98-0-0
		1000 x 80	1 St.	H-00756-98-0-0
YF	UV protective film self adhesive	50	1 St.	H-00729-00-0-0
		70	1 St.	H-00730-00-0-0
		90	1 St.	H-00731-00-0-0
		100 m on roll	1 St.	H-00732-00-0-0
		110	1 St.	H-00733-00-0-0
		130	1 St.	H-00734-00-0-0
		150	1 St.	H-00735-00-0-0
		165	1 St.	H-00736-00-0-0
		180	1 St.	H-00737-00-0-0
		195	1 St.	H-00738-00-0-0
		210	1 St.	H-00739-00-0-0
		225	1 St.	H-00740-00-0-0
		240	1 St.	H-00741-00-0-0
		260	1 St.	H-00741-00-0-0

Mitre cuts, mitre welding, whole and half recesses for pillars



External corner



Internal corner

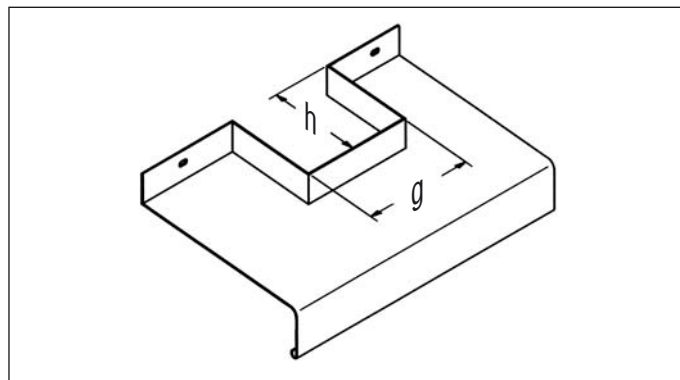
Mitre cuts, mitre welding

PG	Description	Depth mm	Order number
YF	Mitre cut	50-320	H-00742-00-0-0
YF	Mitre cut with mitre welding	50-130 150-180 195-320	H-00743-00-0-0 H-00744-00-0-0 H-00745-00-0-0

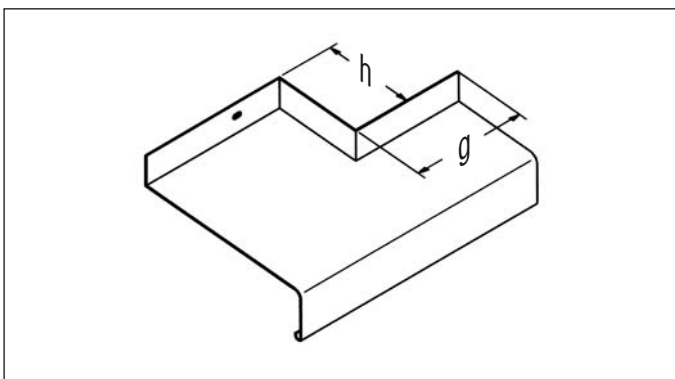
Dimensioning of external and internal corners

When ordering external and internal corners, the following dimensions have to be specified:

- length of drip edge for screw fixing left and right
- angle in degrees



Whole recess for pillar



Half recess for pillar

Whole and half recesses for pillars

PG	Description	Dim. g mm	Order number
YF	Whole recess for pillar with upstand	to 200 201 to 500	H-00746-00-0-0 H-00750-00-0-0
YF	Whole recess for pillar without upstand	to 200 201 to 500	H-00747-00-0-0 H-00751-00-0-0
YF	Half recess for pillar with upstand	to 200 201 to 500	H-00748-00-0-0 H-00752-00-0-0
YF	Half recess for pillar without upstand	to 200 201 to 500	H-00749-00-0-0 H-00753-00-0-0

Dimensioning of recesses for pillars

When ordering recesses for corners, the following dimensions have to be specified:

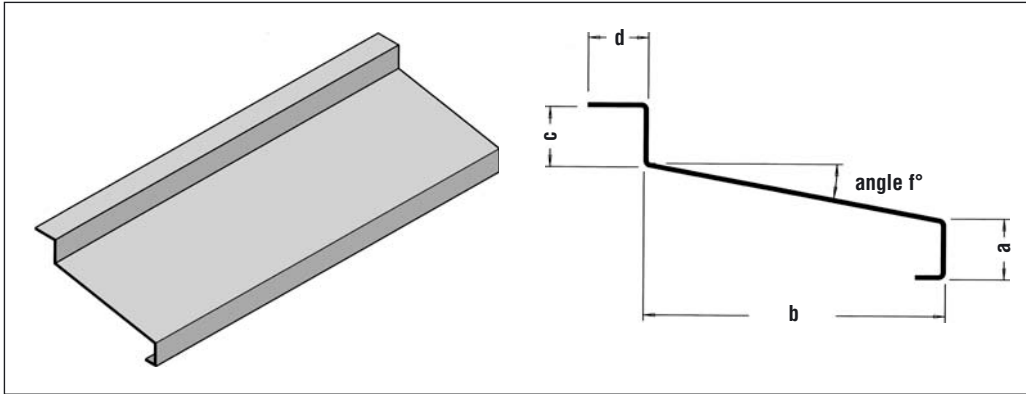
- length of recess "g"
- depth of recess "h"

Attention:

Specify recess dimensions, not pillar dimensions !

Edged window sills, segment window sills, window sills for round windows

Edged window sills



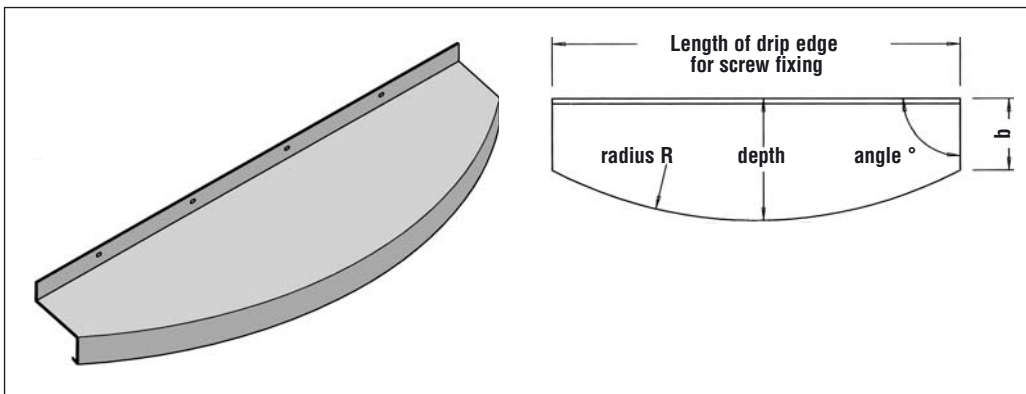
Ordering advice

For special situations, G.U. offers edged aluminium window sills of 2 to 3 mm material thickness. Please send your dimensioned sketch along with the order.

Finish:

- plain
- EV 1
- brown
- white
- RAL special colours

Segment window sills



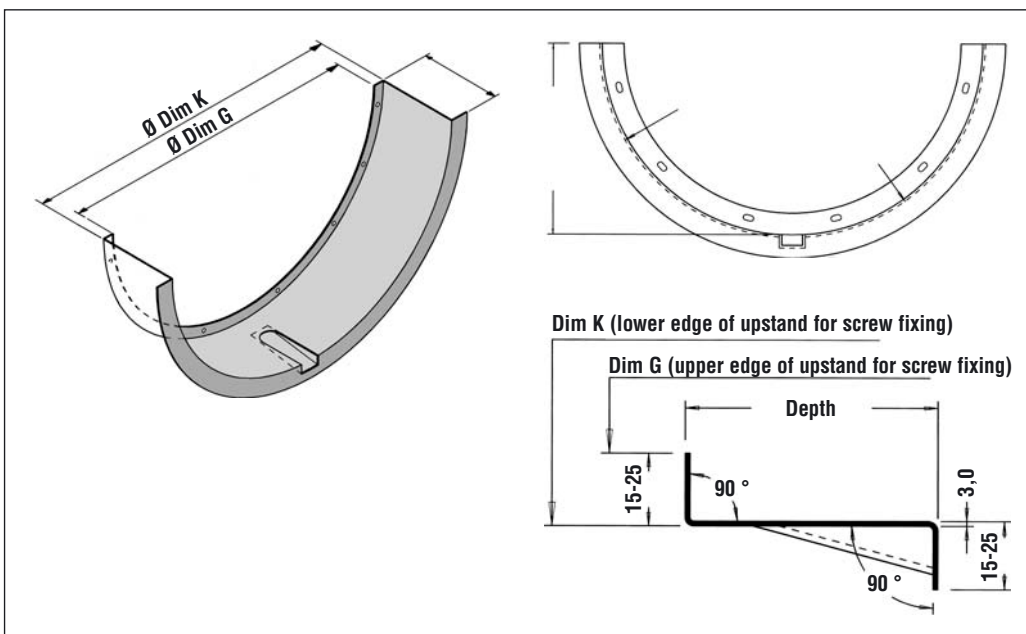
Ordering advice

To manufacture segment window sills, we need your detailed dimensioned sketch of the window sill.

Finish:

- plain
- EV 1
- brown
- white
- RAL special colours

Window sills for round windows



Ordering advice

Window sills for round windows are available with or without waterspout, as semi-circle (180°) or for one third of the window (120°).

Finish:

- plain
- EV 1
- brown
- white
- RAL special colours

Delivery advice

Delivery in stock lengths

- G.U aluminium sills are delivered in 6000 mm stock length with oval holes 4,2 x 7 mm at 300 mm centres in the upstand for screw fixing.
- All window sills in EV 1, UC 5, white or special RAL colour are delivered with protective film.

Delivery cut to measure "-98-" Window sills with 40 mm drip edge

The order numbers of window sills cut to measure are specified by size "-98-". The following services are available:

- cutting to size of window sill
- cutting of special forms, recesses for pillars
- welding works

Anti noise pad

- Anti noise pads must be ordered separately.

Standard execution

Anti noise pad on 1/3 of window sill depth (starting 50 mm from drip edge)

- Depth up to 90 mm = anti noise pad 30 mm
- Depth up to 150 mm = anti noise pad 50 mm
- Depth up to 320 mm = anti noise pad 80 mm

Experience shows that standard execution is sufficient to achieve efficient sound absorption.

Special execution recommended by IFT (RAL quality assurance)

Anti noise pad on 2/3 of window sill depth. This execution must be ordered specially – please inquire after extra charges.

Surface coating

Window sills with 40 mm drip edge in stock length

- | | | |
|------------------|----|--------------------------|
| - plain | -0 | without surface coating |
| - EV 1 | -1 | silver colour anodized |
| - UC 5 | -5 | dark bronze anodized |
| - white | -7 | white painted (RAL 9016) |
| - special colour | -9 | special colour to RAL |

- For painted surfaces the original Glasurit 2-part universal paint series 22 is used.



- Window sills with surface coating are delivered with protective film.
- For production technical reasons, a loss of 30 to 50 mm must be taken into account when cutting window sills with a coated surface.

Advice on mounting and cleaning

Mounting instructions for aluminium window sills

To avoid possible damage of the window sills, the following installation guide lines are to be followed by the manufacturer:

- When installing aluminium window sills, an expansion joint of 1,2 mm per meter for a temperature difference of 50 °C should be taken into account. On account of expansion, aluminium window sills should not be fixed firmly to render or building.
- In order to control expansion, window sills over a total length of 3000 mm must be divided and provided with G.U butt joints.
- The expansion joint must be a minimum of 12 mm in order to control the expansion.
- The projection of the window sill over the finished façade must be a minimum of 30 mm.
- We recommend that for the suppression of noise e.g. from rain, anti noise pads should be fixed under the window sill.
- The 5° run off angle must be maintained after installation.
- When fixing the window sill, a gasket should be provided between the window and the window sill upstand for screw fixing.
- For fixings, zinc plated or V2A-quality screws with plastic washers should be used.
- For depths of 150 mm and more G.U special clips should be installed at 600 mm centres.
- Before mounting the closers to the window sill, silicone must be applied on the edge of the sill.
- When rendering up to the closer, separate with foam tape all along the joint or seal with silicone between render and closer.
- The protective film on window sill to protect the coating is to be removed immediately after the construction work is fully completed.

Instructions for the handling of aluminium elements in the building trade

Mounting and sealing of G.U window sills should be carried out in accordance with the "Mounting Regulations according to RAL Quality Assurance".

- Metals such as lead, copper or copper alloys (e.g. brass) must not be installed together with aluminium, whereas constructional elements of galvanized steel, stainless steel or zinc can be assembled with aluminium anytime.
- Aluminium parts must not be exposed to scratching and impact. In order to prevent their coating from being damaged by lime or cement splashes, they should be assembled only when all masonry, rendering, stucco, ashlar and paving works are completed. Soilings of alkaline materials must be removed immediately.
- If masonry and rendering works are carried out after the assembly of anodized or coated aluminium parts, the parts have to be protected by self-adhesive, smooth, UV resistant PVC films which should be applied already before delivery to provide protection already during transport.

Cleaning of aluminium elements in the building trade

Due to the low weight, the longevity and especially to the decorative surface of aluminium, there is a wide range of applications of this material in window and façade construction.

In order to maintain the attractive appearance of aluminium parts, it is necessary to clean them in certain intervals, depending on the degree of pollution and on the individual perception of the building owner.

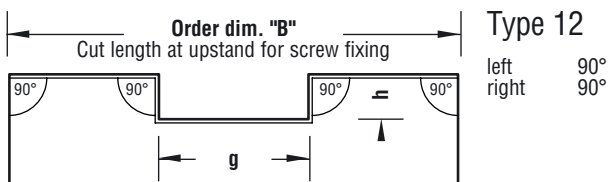
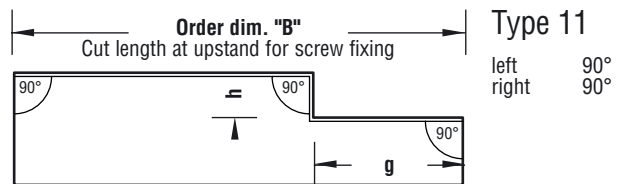
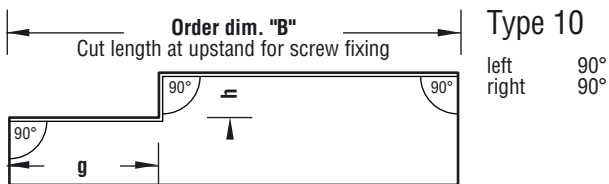
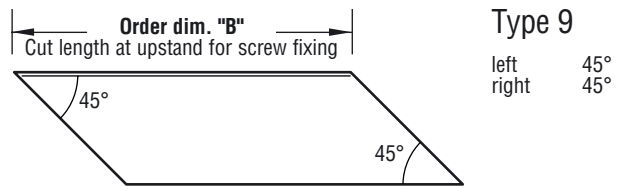
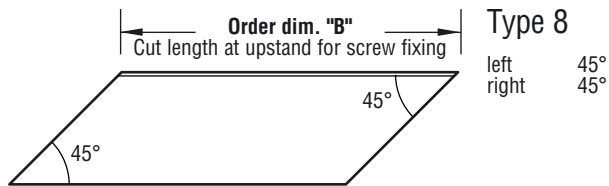
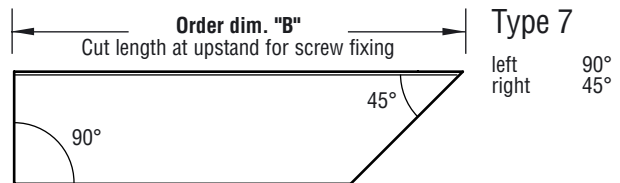
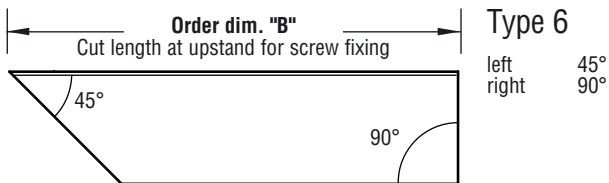
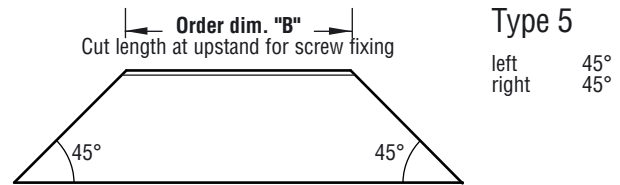
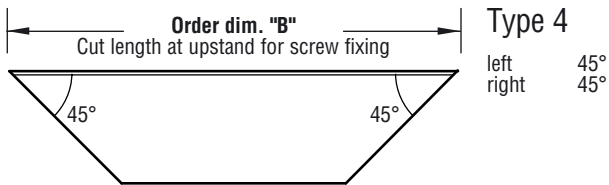
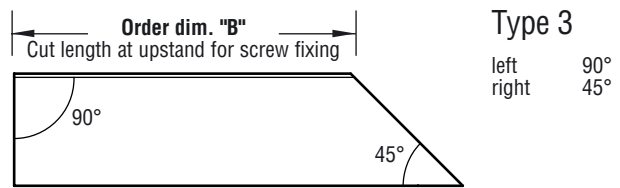
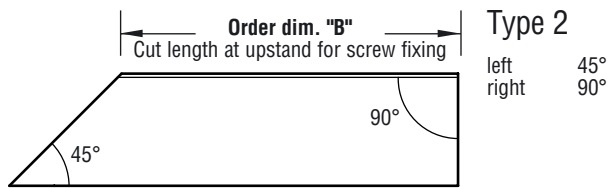
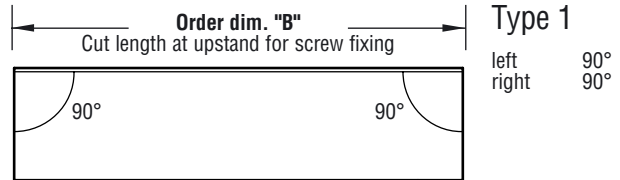
- After the assembly of the parts and before the final acceptance of the construction work, primary cleaning is necessary using a clean cloth or sponge.
- Anodized surfaces are cleaned with lukewarm water with cleaning detergent (free from chlorine, e.g. dishwashing detergent) added to it. It is recommended to work with a cloth or a sponge and water only.
- With extremely dirty surfaces we recommend the use of special detergents for anodized surfaces containing abrasives.
- Painted parts are cleaned in the same way as anodized parts. Thorough rinsing with clear water is recommended.
- For extremely dirty painted surfaces special cleaning detergents such as car polish should be used.

Window sill forms

Standard forms

Standard forms are to be used with the following corner connectors:

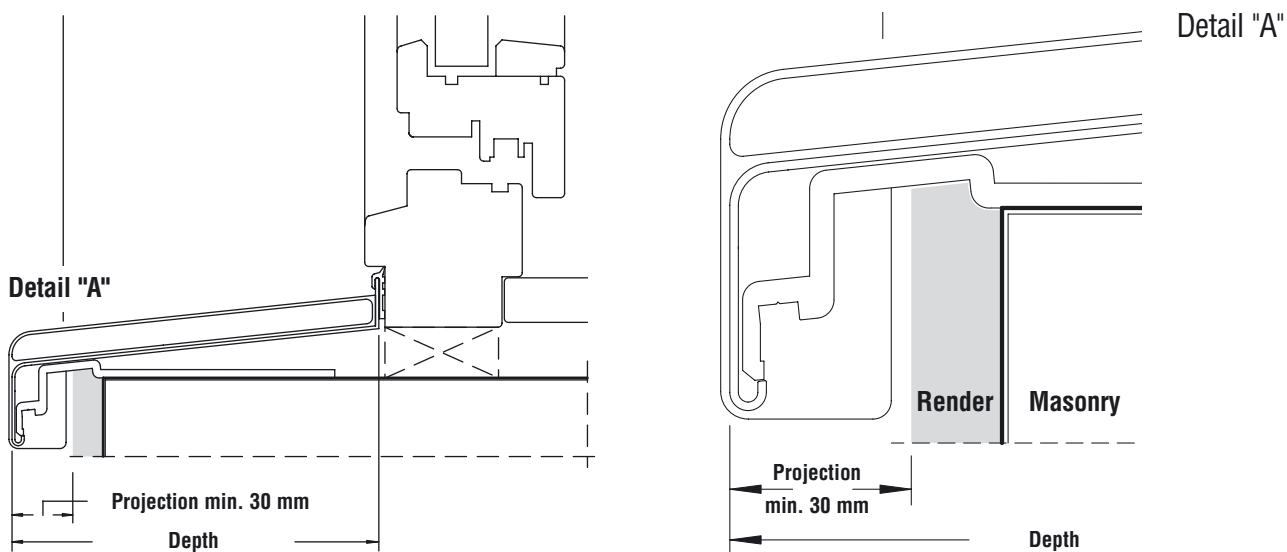
- Exterior corner connector 90° H-00648-**-0-*
- Interior corner connector 90° H-00649-**-0-*



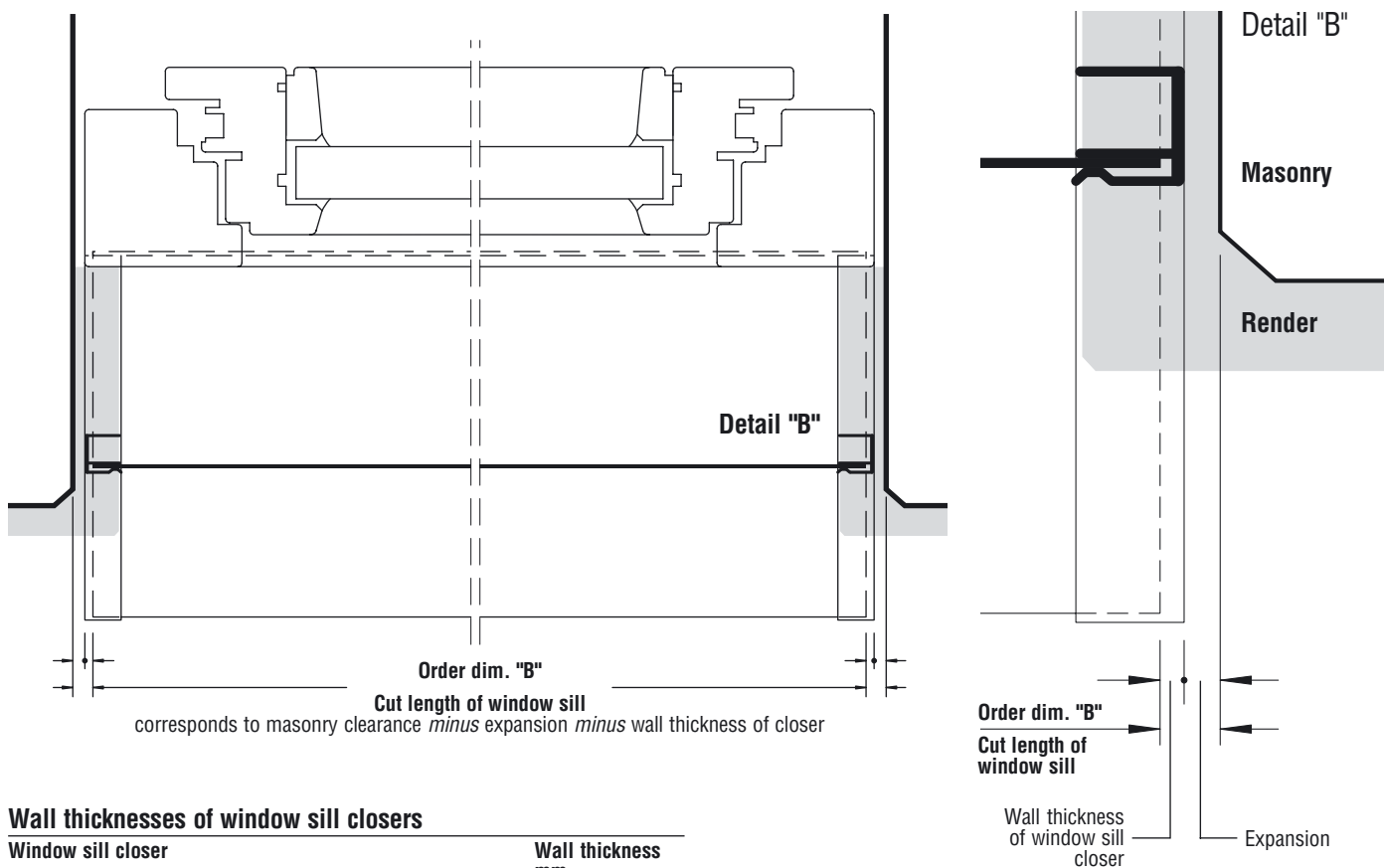
Note:
All dimensions must be indicated in mm from left to right (viewed from the outside).

Window sill mounting

Projection and depth of window sill



Order dim. "B" = cut length of window sill



Wall thicknesses of window sill closers

Window sill closer	Wall thickness mm
Window sill closer H-00639-**-0-* PVC – detachable	3
Window sill closer H-00642-**-0-* PVC, for connection to render	2
Window sill closer H-00643-**-0-* detachable, for connection to masonry and exposed concrete	2

Ordering G.U aluminium window sills cut to measure – standard form, Type 1



Customer	Delivery address	Order information	Explanation of order dimension "B" mm
Address 1 _____	Address 1 _____	Order number of customer _____	Cut length of window sill
Address 2 _____	Address 2 _____	Project _____	
Street _____	Street _____	Commission _____	
Postal Code/City _____	Postal Code/City _____	Person in charge _____	
Telephone _____	Telephone _____	Telephone _____	

Window sills, standard form, Type 1			Finish standard coloursspecial				RAL-colour -9 RAL-No.	Order Dim. "B" mm	Window sill closers – pairs			Butt joints pieces H-00644-**-0-* -0, -1, -5, -7, -9	Anti noise pad affixed Size acc. to table
Pos.	Qty.	Order number	-0	-1	-5	-7			PVC H-00639-**-0-* -1, -5, -7	Alu – render H-00642-**-0-* -0, -1, -5, -7, -9	Alu – masonry H-00643-**-0-* -0, -1, -5, -7, -9		
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no
_____	_____	H-10____-98-0-*	[]	[]	[]	[]	_____	_____	[]	[]	[]	_____ pcs.	[] yes [] no

↑ _____ Please enter window sill depth 50, 70, 90, 110, 130, 150, 165, 180, 195, 210, 225, 240, 260, 280 or 320 mm here.

Accessories				Accessories			
Qty.	Description	Order number	PU	Qty.	Description	Order no.	PU
	Exterior corner connector 90°	H-00648-____-0-__			Anti noise pad, loose	H-00053-____-0-0	
	Interior corner connector 90°	H-00649-____-0-__			UV protective film, self-adh. 100 m on roll	H-007____-00-0-0	1 roll
	Window sill clip FBH 40	H-00726-00-0-0		Table "Anti noise pad affixed – applications and order numbers"			
	Window sill clip FBH 40-flex	H-00728-00-0-0		Width mm	Window sill depth mm	Order no.	
	Window sill gasket	H-00050-00-0-0		30	50 – 90	H-00754-98-0-0	
	Window sill screws	H-00051-22-0-__	1000 pcs.	50	110 – 150	H-00755-98-0-0	
	Screw covers	H-00052-00-0-__	500 pcs.	80	165 – 320	H-00756-98-0-0	

Product group

YG

Sill boards (internal)

YG

Internal Sill Boards

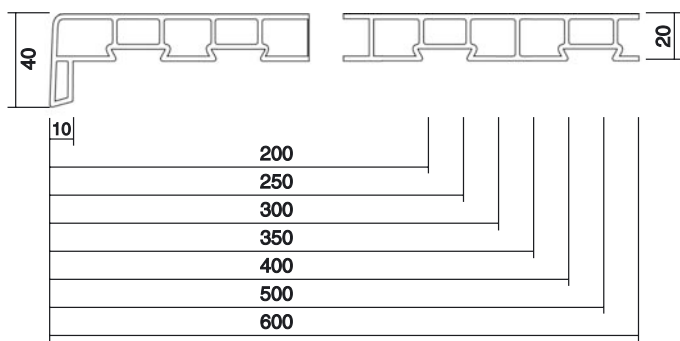
Plastic sill boards

PVC internal sill boards	YG.3
End caps type A	YG.3

Werzalit sill boards

Werzalit internal sill boards	YG.4
Closing profile	YG.4

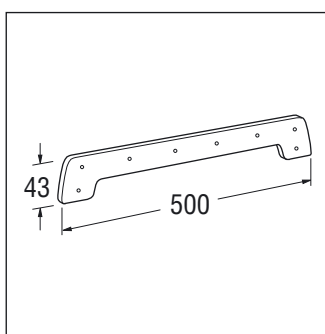
PVC internal sill boards, end caps



PVC internal sill board – cross section of profile (all depths)



End cap type A for internal sill boards



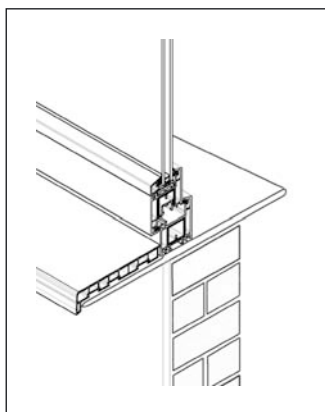
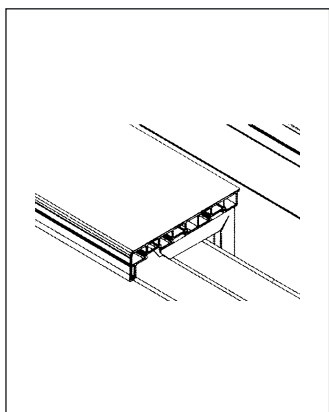
PVC internal sill boards, end caps

PG	Description	Depth mm	Finish	PU	Order Number
YG	PVC sill board	200	white marble	12 m	H-00122-20-0-7 H-00122-20-0-2
YG	PVC sill board	250	white marble	12 m	H-00122-25-0-7 H-00122-25-0-2
YG	PVC sill board	300	white marble	12 m	H-00122-30-0-7 H-00122-30-0-2
YG	PVC sill board	350	white marble	12 m	H-00122-35-0-7 H-00122-35-0-2
YG	PVC sill board	400	white marble	12 m	H-00122-40-0-7 H-00122-40-0-2
YG	PVC sill board	500	white marble	6 m	H-00122-50-0-7 H-00122-50-0-2
YG	PVC sill board	600	white marble	6 m	H-00122-60-0-7 H-00122-60-0-2
YG	End caps type A for internal sill boards		white grey	100 100	H-00413-00-0-7 H-00413-00-0-2

Advantages

G.U sill boards are extremely accurate to size and provide high thermal resistance. Their insulation value exceeds timber, concrete and stone.

G.U internal sill boards are light, scratch, water and abrasion resistant, non-inflammable, easily maintained and fully recyclable.



Product information

G.U internal sill boards are 20 mm strong hollow chamber plastic profiles with a 40 mm visible edge. Surface finish is a high strength hard melamine foil which fulfills the highest requirements for function and appearance. The appropriate end caps provide a harmonious appearance to the cut surface.

Installation

Due to fixing grooves on its underside the sill board can be fixed in a mortar bed or in a bed of nonexpanded PU foam.

- When installing with fixing straps, these must be placed max. 50 cm and min. 25 cm from the ends.
- Maximum projection is 10 cm.
- If projection exceeds 10 cm, support brackets must be used.
- When fixing over a heating source (radiator) we recommend the minimum projection of 10 cm.

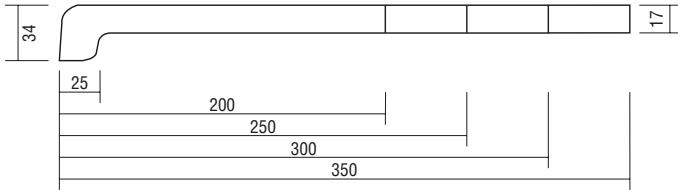
Maintenance

G.U internal sill boards are easily maintained using warm water and mild household cleaner. PVC solvent or scouring cleaning agents should not be used.

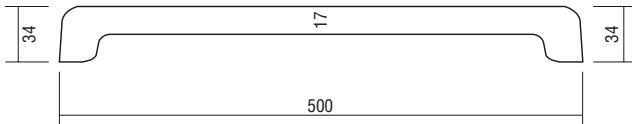
Loadability

If a 10 cm projection is periodically loaded (10 times a minute load/unload) with 100 kg over 32 cm width, the sill board will be deformed by approx. 5 mm, after loading it will recover. Loading beyond this should be avoided and is not covered by our guarantee.

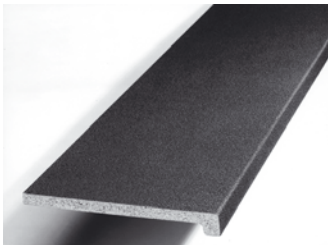
Werzalit internal sill boards, end caps



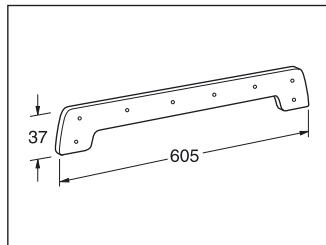
Werzalit sill board – cross section of profile, depth 200 – 350 mm



Werzalit internal sill board – cross section of profile, depth 500 mm



Werzalit internal sill board with jointless front edge



Closing profile
H-00698-00-0-7 – 37 x 605 mm



Werzalit internal sill board in attractive design

Maintenance

Werzalit internal sill boards with decorative coating are resistant against acid and lime. They are easily cleaned with lukewarm water and mild cleaning detergents. Abrasive detergents are not allowed.

Werzalit internal sill boards, end caps

PG	Description	Depth mm	Finish	PU	Order number
YG	Internal sill board length 6000 mm	200	white marple	6 m	H-00695-20-0-7 6 m H-00695-20-0-2
YG	Internal sill board length 6000 mm	250	white marple	6 m	H-00695-25-0-7 6 m H-00695-25-0-2
YG	Internal sill board length 6000 mm	300	white marple	6 m	H-00695-30-0-7 6 m H-00695-30-0-2
YG	Internal sill board length 6000 mm	350	white marple	6 m	H-00695-35-0-7 6 m H-00695-35-0-2
YG	Internal sill board length 6000 mm	500	white marple	6 m	H-00695-50-0-7 6 m H-00695-50-0-2
YG	Closing profile 37 x 605 mm		white	1 pc.	H-00698-00-0-7

Product information

Werzalit material is made from finely chipped wood moulded into shape with special resins under heat and pressure. Werzalit internal sill boards are 17 mm thick mouldings with a front edge of 34 mm. Their decorative coating consists of up to 5 layers. With temperatures of over 160° C, the resins of the coating bond together with the resins of the base material: surface and sill board melt to one unit.

Advantages of Werzalit moulding technology

Werzalit internal sill boards

- have no glue or glued joints; due to the jointless edge there is no target for humidity to attack.
- consist of highly compressed base material of evenly distributed chips – the sill boards are dimensionally stable.
- are absolutely robust, abrasion-resistant, lightfast to DIN 54 004 and hygienic due to the fusion of decorative and base material.

Handling and mounting advice

- Treatment with joiner's tools and machines:

Circular saws

- optimum rate of feed approx. 5 m/min
- maximum projection of saw blade 10 mm – decorative side up
- saw blade hard metal coated, great number of teeth
- cutting rate approx. 60 m/sec

Drilling

- twist drill HSS – always apply on decorative side

Milling

- tools with hard metal coating, rake angle 20°
- Under normal circumstances (rooms, bathrooms, kitchens), sealing of cutting edges is not required.
Exception: If the sill boards are used in permanently damp rooms, all cutting edges must be sealed.
- When mounting the sill board, its lengthwise expansion of 2 mm per meter must be taken into account; expansion joints must be provided on the wall.
- For the fixing on consoles Spax screws with countersunk head are used.
- With dry mortarless construction, the maximum sill board length is 3000 mm; fixing with 2-part polyurethane foam.
- When fixed in mortar beds, the maximum sill board length is 2000 mm; fixing with claws only. Attention: No bonding between mortar and sill board.

Product group

YH

Handles

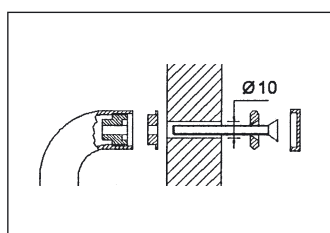
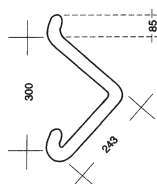
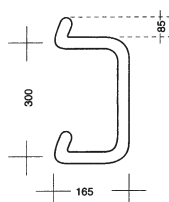
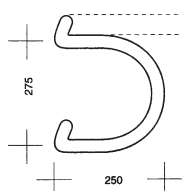
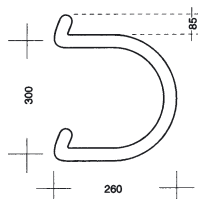
YH

Pull Handles

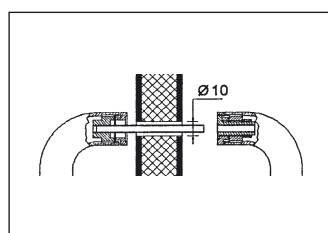
Dee handles

Dee handle – round	YH.3
Dee handle – square	YH.3
Dee handle – triangular	YH.3
Fixings	YH.3
Flush pulls	YH.4

Dee handle – round, dee handle – square, dee handle – triangular, fixings



single sided fixing



double sided fixing

Advantages

Aluminium dee handles finish off the appearance of your entrance door and "welcome" your customers and visitors. Available in three styles, triangular, square and round and in dark brown, gold colour, white and EV 1.

Aluminium dee handle round, Ø 33 mm

PG	Description	Crs. mm	Finish	PU	Order Number
YH	Dee handle round	300	white	2	H-00153-03-0-7
			brown	2	H-00153-03-0-5
			gold colour	2	H-00153-03-0-3
			EV1	2	H-00153-03-0-1
YH	Dee handle round	275	white	2	H-00153-02-0-7
			brown	2	H-00153-02-0-5
			gold colour	2	H-00153-02-0-3

Aluminium dee handle square, Ø 33 mm

PG	Description	Crs. mm	Finish	PU	Order Number
YH	Dee handle square	300	white	2	H-00154-03-0-7
			brown	2	H-00154-03-0-5
			gold colour	2	H-00154-03-0-3
			EV1	2	H-00154-03-0-1

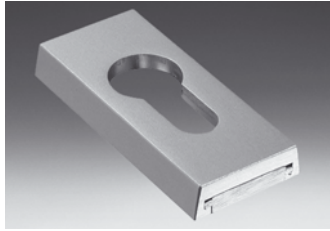
Dee handle triangular, Ø 33 mm

PG	Description	Crs. mm	Finish	PU	Order Number
YH	Dee handle triangular	300	white	2	H-00155-03-0-7
			brown	2	H-00155-03-0-5
			gold colour	2	H-00155-03-0-3
			EV1	2	H-00155-03-0-1

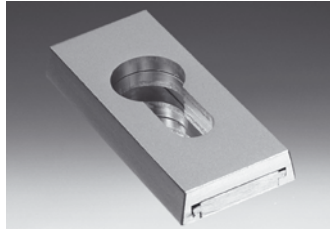
Fixings for dee handles

PG	Description	Finish	PU	Order Number
YH	Pack of single sided fixings, righthand thread	white	1	H-00156-00-0-7
		brown	1	H-00156-00-0-5
		gold colour	1	H-00156-00-0-3
		EV1	1	H-00156-00-0-1
YH	Pack of single sided fixings, lefthand thread	white	1	H-00614-00-0-7
		brown	1	H-00614-00-0-5
		gold colour	1	H-00614-00-0-3
		EV1	1	H-00614-00-0-1
YH	Pack of double sided fixings	white	1	H-00157-00-0-7
		brown	1	H-00157-00-0-5
		gold colour	1	H-00157-00-0-3
		EV1	1	H-00157-00-0-1

Flush pulls with profile cylinder bore



Flush pulls, thickness 6 mm



Flush pulls, thickness 10 mm

Flush pulls

PG	Description	Thickness mm	Finish	PU	Order Number
YH	Flush pulls	6	white	10	H-00234-06-0-7
		6	dark bronze	10	H-00234-06-0-5
		6	EV1	10	H-00234-06-0-1
YH	Flush pulls	10	white	10	H-00234-10-0-7
		10	dark bronze	10	H-00234-10-0-5
		10	EV1	10	H-00234-10-0-1

Product group

YI

Insect screens

YI

Insect Screens

Profiles

Profiles	YI.3
Profiles, drilling template, countersunk screw	YI.4

Accessories

Foot plates, brushes, corner connectors, fixings	YI.5
Suspension springs, spring clamping pins, magnetic tape, magnetic profile, aluminium hinges, set of running rollers	YI.6
Return spring hinge, aluminium handle shell, retaining button, roll-in handle, tubular rubber profile, sealing tape, stopper	YI.7
Fibreglass gauze, stainless steel gauze, step drill, rolling device, aluminium corner press	YI.8

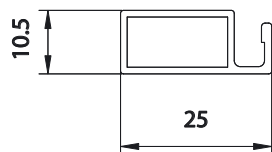
Assembly instructions for windows

Assembly sequence for windows	YI.9
Assembly instructions – Figures I and II	YI.10
Assembly on windows with suspension springs – Figure 1	YI.11
Assembly on windows with fixings – Figure 2	YI.12
Assembly on windows with spring clamping pins – Figure 3	YI.13
Assembly on windows with aluminium hinges and magnetic tape – Figure 4	YI.14
Assembly on windows with spring clamping pins – Figure 5	YI.15

Assembly instructions for doors

Assembly sequence for doors	YI.16
Assembly on doors – Figures 6 A and 6 B	YI.17
Assembly on doors with aluminium hinges and doorframe profile – Figure 7	YI.18
Assembly on doors with hinges and external frame profile – brush below – Figure 8	YI.19
Assembly on doors with aluminium hinges and magnetic tape – Figure 9	YI.20
Assembly of door handles – Figures 10 A, 10 B and 10 C	YI.21

Profiles



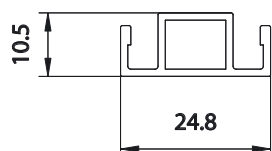
Frame profile
H-00253-00-0-*

Application

Standard profile for the fixed installation of internal rebated windows.
max. height: 2000 mm
max. width: 1600 mm
Centre spoke: from 1300 mm

Accessories

PVC corner connector H-00262-00-0-
Alu corner connector H-00263-00-0-0



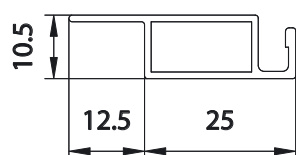
Centre spoke profile
H-00254-00-0-*

Application

Should be used above a frame height of 1300 mm for stabilisation.

Accessories

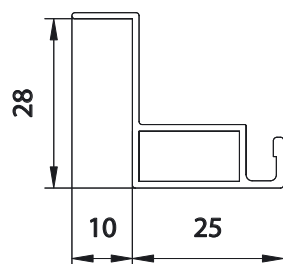
Centre spoke connector H-00255-00-0-5



Frame S-Profile
H-00265-00-0-*

Accessories

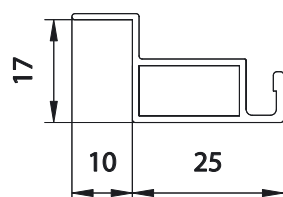
Alu corner connector H-00263-00-0-0
Corner connector var. H-00858-08-0-0
Spring clamping pins H-00268-00-0-0



Frame ZV-Profile
H-00718-00-0-*

Accessories

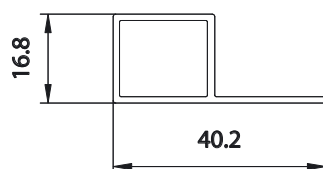
Alu corner connector H-00263-00-0-0
Corner connector var. H-00858-08-0-0
Stopper H-00857-00-0-*



Frame ZV-Profile
H-00718-01-0-*

Accessories

Corner connector var. H-00858-08-0-0
Stopper H-00857-00-0-*



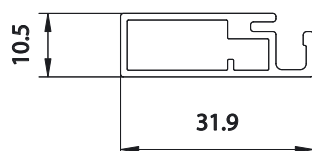
Doorframe profile
H-00257-00-0-*

Application

Only in connection with frame profile H-00256-00-0-*

Accessories

Alu corner connector H-00264-00-0-0



Frame profile
H-00256-00-0-*

Application

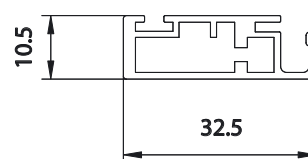
Stable side frame profile for movable use in front of entrance doors.
max. height: 2300 mm
max. width: 1500 mm
Centre spoke: from 1300 mm

Accessories

Alu corner connector H-00263-00-0-0

Profiles

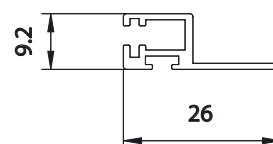
PG	Description	Dimensions mm	Colour	PU	Order Number
YI	Frame profile	10,5 x 25,0	brown white	60 m	H-00253-00-0-5
				60 m	H-00253-00-0-7
YI	Centre spoke profile	10,5 x 24,8	brown white	30 m	H-00254-00-0-5
				30 m	H-00254-00-0-7
YI	Frame S-Profile	10,5 x 37,5	brown white	60 m	H-00265-00-0-5
				60 m	H-00265-00-0-7
YI	Frame ZV-Profile	28,0 x 35,0	brown white	60 m	H-00718-00-0-5
				60 m	H-00718-00-0-7
YI	Frame ZV-Profile	17,0 x 35,0	brown white	60 m	H-00718-01-0-5
				60 m	H-00718-01-0-7
YI	Doorframe profile	16,8 x 40,2	brown white	30 m	H-00257-00-0-5
				30 m	H-00257-00-0-7
YI	Frame profile	10,5 x 31,9	brown white	60 m	H-00256-00-0-5
				60 m	H-00256-00-0-7
YI	Frame profile	10,5 x 32,5	brown white	60 m	H-00850-00-0-5
				60 m	H-00850-00-0-7
YI	H-Profile	9,2 x 26,0	brown white	30 m	H-00851-00-0-5
				30 m	H-00851-00-0-7
YI	Centre spoke profile	10,5 x 33,4	brown white	30 m	H-00258-00-0-5
				30 m	H-00258-00-0-7
YI	Centre spoke profile with handle	10,0 x 66,0	brown white	30 m	H-00839-00-0-5
				30 m	H-00839-00-0-7



Frame profile
H-00850-00-0-*

Accessories

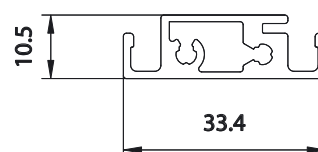
Corner connector var. H-00858-06-0-0
Magnetic profile H-00859-00-0-0



H-Profile
H-00851-00-0-*

Accessories

Brush H-00722-00-0-0
Magnetic profile H-00859-00-0-0



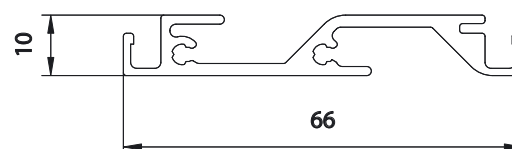
Centre spoke profile
H-00258-00-0-*

Application

Should be used above a frame height of 1300 mm for stabilisation.

Accessories

Countersunk screw H-00259-00-0-0



Centre spoke profile with handle
H-00839-00-0-*

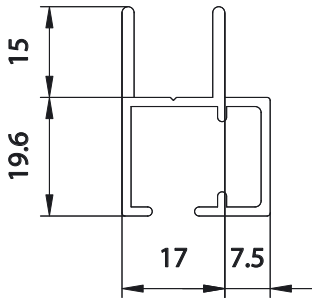
Application

Used as reinforcement for frame heights over 1300 mm. The central profile also serves as grip.

Accessories

Countersunk screw H-00259-00-0-0

Profiles, drilling template, countersunk screw



Doorframe profile
H-00854-00-0*

Application

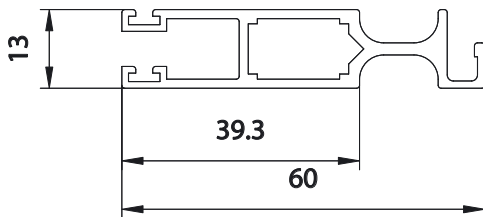
For slide doors.

Accessories

Alu corner connector H-00264-00-0-0

Profiles, drilling template, countersunk screw

PG	Description	Dimensions mm	Colour	PU	Order Number
YI	Doorframe profile	24,5 x 34,6	braun weiß	60 m	H-00854-00-0-5 H-00854-00-0-7
YI	Frame profile	13,0 x 66,0	brown white	60 m	H-00852-00-0-5 H-00852-00-0-7
YI	Gliding rail top	15,5 x 43,0	brown white	30 m	H-00720-00-0-5 H-00720-00-0-7
YI	Gliding rail bottom	7,0 x 24,0	brown white	30 m	H-00721-00-0-5 H-00721-00-0-7
YI	Angle profile	7,5 x 26,5	brown white	60 m	H-00853-00-0-5 H-00853-00-0-7
YI	U-Profile	12,0 x 17,0	brown white	60 m	H-00855-00-0-5 H-00855-00-0-7
YI	Drilling template			1 pcs	H-00285-00-0-0
YI	Countersunk screw 3,5 x 45 A2			100 pcs	H-00259-00-0-0



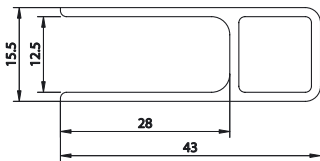
Frame profile
H-00852-00-0*

Application

For slide doors.

Accessories

Alu corner connector H-00263-00-0-0



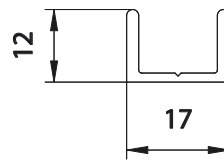
Gliding rail top
H-00720-00-0*

Application

For slide doors – screw fixing on top frame.

Accessories

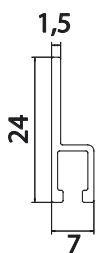
Alu corner connector H-00264-00-0-0
Set of running rollers H-00719-00-0-0



U-Profile
H-00855-00-0*

Application

Accessories for frame profile
H-00852-00-0*



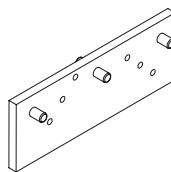
Gliding rail bottom
H-00721-00-0*

Application

For slide doors – screw fixing on bottom frame.

Accessories

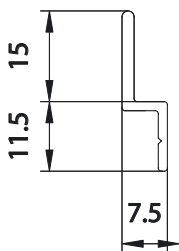
Brush H-00722-00-0-0



Drilling template
H-00285-00-0-0

Application

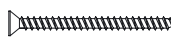
For centre spoke profiles
H-00258-00-0*
H-00839-00-0*



Angle profile
H-00853-00-0*

Application

Accessories for frame profile
H-00852-00-0*

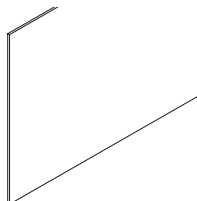


Countersunk screw A2
H-00259-00-0-0

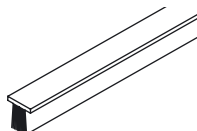
Application

Accessories for centre spoke profiles
H-00258-00-0*
H-00839-00-0*

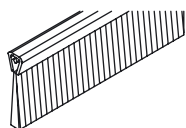
Foot plates, brushes, corner connectors, fixings



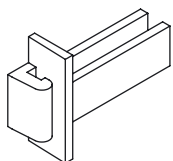
Foot plate
H-00260-00-0*



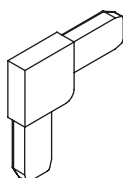
Brush
H-00261-00-0-1



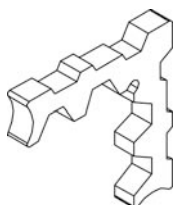
Brush
H-00722-00-0-0



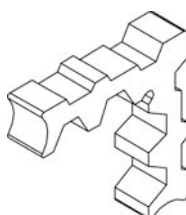
Centre spoke connector
H-00255-00-0*



PVC corner connector
H-00262-00-0*



Aluminium corner connector
H-00263-00-0-0



Aluminium corner connector
H-00264-00-0-0

Application

Accessories for gliding rail bottom
H-00721-00-0*

Application

Accessories for centre spoke profile
H-00254-00-0*

Application

Accessories for frame profile
H-00253-00-0*

Application

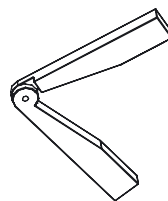
Accessories for frame profiles
H-00253-00-0*
H-00265-00-0*
H-00718-00-0*
H-00256-00-0*
H-00852-00-0*

Application

Accessories for profiles
H-00257-00-0*
H-00854-00-0*
H-00720-00-0*

Foot plates, brushes, corner connectors, fixings

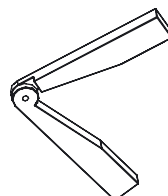
PG	Description	Dimensions mm	Colour	PU	Order Number
YI	Foot plate 1 mm thick	2000	brown white	5 pcs 5 pcs	H-00260-00-0-5 H-00260-00-0-7
YI	Brush self-adhesive	6,7 x 8,25		200 m	H-00261-00-0-1
YI	Brush	5,0 x 20,0		60 m	H-00722-00-0-0
YI	Centre spoke connector		brown white	100 pcs 100 pcs	H-00255-00-0-5 H-00255-00-0-7
YI	PVC corner connector		brown white	100 pcs 100 pcs	H-00262-00-0-5 H-00262-00-0-7
YI	Aluminium corner connector			100 pcs	H-00263-00-0-0
YI	Aluminium corner connector			100 pcs	H-00264-00-0-0
YI	Corner connector, variable 5,5			10 pcs	H-00858-06-0-0
YI	Corner connector, variable 8,0			10 pcs	H-00858-08-0-0
YI	Fixings for clamping frame		brown white	50 pairs 50 pairs	H-00266-00-0-5 H-00266-00-0-7



Corner connector, variable 5,5
H-00858-06-0-0

Application

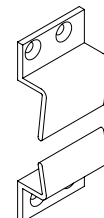
Accessories for frame profile
H-00850-00-0*



Corner connector, variable 8,0
H-00858-08-0-0

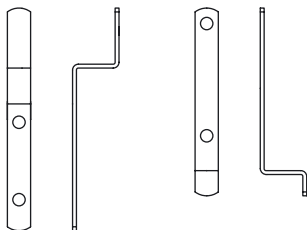
Application

Accessories for frame profiles
H-00265-00-0*
H-00718-00-0*
H-00718-01-0*



Fixings
H-00266-00-0*

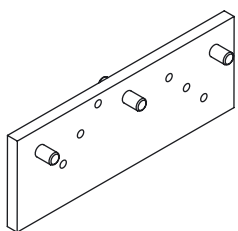
Suspension springs, spring clamping pins, magnetic tape, magnetic profile, aluminium hinges, set of running rollers



Suspension springs
H-00267-**-0-0

Application

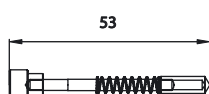
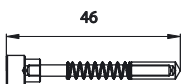
Insert long nose upwards, short nose downwards.



Drilling template
H-00284-00-0-0

Application

For suspension springs
H-00267-**-0-0

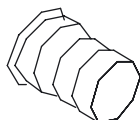


Spring clamping pins
H-00268-00-0-0

Application

The length of the clamping pins can be adjusted individually within the stated tolerance.

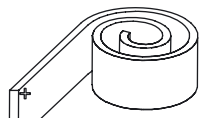
Accessories for frame S-Profile
H-00265-00-0-*



Sleeve
H-00269-00-0-0

Application

Accessories for spring clamping pins
H-00268-00-0-0



Magnetic tape
H-00270-00-0-0



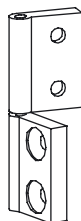
Magnetic profile
H-00859-00-0-0

Application

Accessories for profile
H-00850-00-0-*
H-00851-00-0-*

Suspension springs, spring clamping pins, magnetic tape, magnetic profile, aluminium hinges, set of running rollers

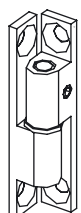
PG	Description	Dimensions mm	Colour	PU	Order Number
YI	Suspension springs made from steel	x = 5 x = 11 x = 13 x = 14 x = 15 x = 16 x = 19 x = 23		50 pairs 50 pairs 50 pairs 50 pairs 50 pairs 50 pairs 50 pairs 50 pairs	H-00267-05-0-0 H-00267-11-0-0 H-00267-13-0-0 H-00267-14-0-0 H-00267-15-0-0 H-00267-16-0-0 H-00267-19-0-0 H-00267-23-0-0
YI	Drilling template for suspensions springs			1 pc	H-00284-00-0-0
YI	Spring clamping pins	46 – 53		100 pcs	H-00268-00-0-0
YI	Sleeve for spring clamping pin		galvanized	100 pcs	H-00269-00-0-0
YI	Magnetic tape self-adhesive	12,7 x 2,2		30 m	H-00270-00-0-0
YI	Magnetic profile for profile	8,0		30 m	H-00859-00-0-0
YI	Aluminium hinge for doorframe profile		brown white	50 pcs 50 pcs	H-00271-00-0-5 H-00271-00-0-7
YI	Aluminium hinge for frame profile		brown white	20 pcs 20 pcs	H-00272-00-0-5 H-00272-00-0-7
YI	Set of running rollers and accessories for slide doors			5 pcs	H-00719-00-0-0



Aluminium hinge
H-00271-00-0-5

Application

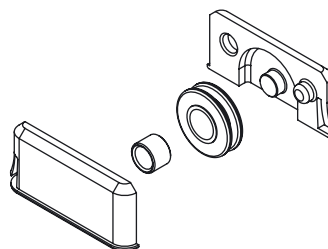
Accessories for doorframe profile
H-00257-00-0-*



Aluminium hinge
H-00272-00-0-5

Application

Accessories for frame profile
H-00256-00-0-*

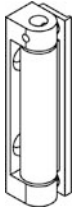


Set of running rollers and accessories for slide doors
H-00719-00-0-0

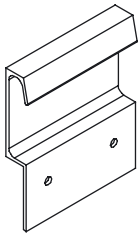
Application

Accessories for gliding rail top
H-00720-00-0-*

Return spring hinge, aluminium handle shell, retaining button, roll-in handle, tubular rubber profile, sealing tape, stopper



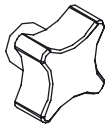
Return spring hinge
H-00273-00-0*



Aluminium handle shell
H-00274-00-0*



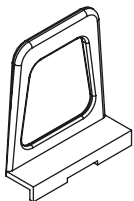
Screws
H-00275-00-0*



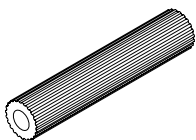
Retaining button
H-00276-00-0*



Screws
H-00277-00-0-0



Roll-in handle
H-00278-00-0-6



Tubular rubber profile
H-00279-00-0-1

Application

Accessories for aluminium handle shell
H-00274-00-0*

Application

Accessories for retaining button
H-00276-00-0*

Application

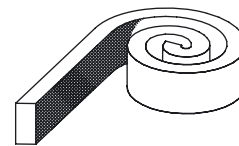
Accessories for window frames

Application

Accessories for frame profiles

Return spring hinge, aluminium handle shell, retaining button, roll-in handle, tubular rubber profile, sealing tape, stopper

PG	Description	Dimensions mm	Colour	PU	Order Number
YI	Return spring hinge		brown white	4 pcs 4 pcs	H-00273-00-0-5 H-00273-00-0-7
YI	Aluminium handle shell		brown white	10 pcs 10 pcs	H-00274-00-0-5 H-00274-00-0-7
YI	Screws 3,9 x 9,5 for aluminium handle shell		brown white	1000 pcs 1000 pcs	H-00275-00-0-5 H-00275-00-0-7
YI	Retaining button for inside		brown white	50 pcs 50 pcs	H-00276-00-0-5 H-00276-00-0-7
YI	Screws M 5 x 8 for retaining button			50 pcs	H-00277-00-0-0
YI	Roll-in handle		black white	100 pcs 100 pcs	H-00278-00-0-6 H-00278-00-0-7
YI	Tubular rubber profile		grey	100 m	H-00279-00-0-1
YI	Sealing tape	12,0 x 4,0 12,0 x 2,0	grey grey	25 m 25 m	H-00837-00-0-0 H-00838-00-0-0
YI	Stopper for frame ZV-Profiles	21,0 x 10,0	brown white	50 pcs 50 pcs	H-00857-00-0-5 H-00857-00-0-7



Sealing tapes
H-00837-00-0-0, H-00838-00-0-0



Stopper
H-00857-00-0*

Application

Accessories for frame ZV-Profiles
H-00718-00-0*
H-00718-01-0*

Fibreglass gauze, stainless steel gauze, step drill, rolling device, aluminium corner press

Fibreglass gauze, stainless steel gauze, step drill, rolling device, aluminium corner press

PG	Description	Dimensions mm	Colour	PU	Order Number
YI	Fibreglass gauze	800	grey	30 m	H-00280-08-0-1
		800	black	30 m	H-00280-08-0-6
		1000	grey	30 m	H-00280-10-0-1
		1000	black	30 m	H-00280-10-0-6
		1200	grey	30 m	H-00280-12-0-1
		1200	black	30 m	H-00280-12-0-6
		1400	grey	30 m	H-00280-14-0-1
		1400	black	30 m	H-00280-14-0-6
YI	Stainless steel gauze	1000		30 m	H-00856-10-0-0
		1200		30 m	H-00856-12-0-0
YI	Step drill for spring clamping pin			1 pcs	H-00281-00-0-0
YI	Rolling device for tubular rubber profile			1 pcs	H-00282-00-0-0
YI	Aluminium corner press pneumatic			1 pcs	H-00283-00-0-0



Fibreglass gauze H-00280-**-0-*

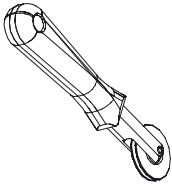
Stainless steel gauze H-00856-**-0-0



Step drill
H-00281-00-0-0

Application

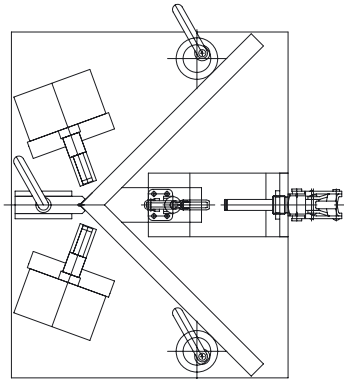
For spring clamping pins
H-00268-00-0-0



Application

For tubular rubber profile
H-00279-00-0-1

Rolling device
H-00282-00-0-0



Application

For frame and doorframe profiles

Aluminium corner press
H-00283-00-0-0

Assembly sequence for windows

- | | | |
|-----------|--|---|
| 1 | Using figures 1 to 5, it must be determined which profile should be used, with which variant of fixing – only the most usual are stated here. | |
| 2 | Determine the order dimensions using the applicable figures.
Is a centre spoke required? | Height H = _____
Width W = _____ |
| 3 | In the case of profile H-00253-00-0-* select one of the following corner connectors:
– external "PVC" – continue with section 4
– internal "Aluminium" – continue with section 5, corner press H-00283-00-0-0 is required. | |
| 4 | Assembly with external corner connectors. | |
| 4a | Determine the saw lengths in line with figure I and the length of centre spoke (length L). | Height H = _____
Width B = _____
Length L = _____ |
| 4b | Saw to length at right angles. | |
| 4c | Push together with the corner connectors (Figure I).
If required, clip the centre spoke into the middle. | |
| 4d | Continue with Section 6 | |
| 5 | Assembly with internal corner connectors.
Attention: Minimum length amounts to 350 mm | |
| 5a | Saw to mitre angle – usually 45° – in line with the height and width determined under Section 2. | |
| 5b | Push together the profiles with the corner connectors H-00263-00-0-0, see Figure II showing the example of profile H-00265-00-0-*.
Recommendation: Glue in the corner connectors with aluminium glue. | |
| 5c | Press down with corner press in line with Figure II A+B showing the example of profile H-00253-00-0-*. | |
| 5d | Continue with Section 6. | |
| 6 | Cut the gauze to size at H' + 40 mm x W' + 40 mm. | |
| 7 | Place the gauze on the reverse, so that the structure of the gauze runs parallel or at right angles to the frame profile. | |
| 8 | Push the gauze into the groove using the assembly aid and the tubular rubber profile.
In so doing, ensure that the gauze is not damaged. | |
| 9 | Cut of any protruding gauze with a sharp knife along the edge of the tubular rubber profile. | |

Assembly instructions for windows – Figures I and II

Figure I

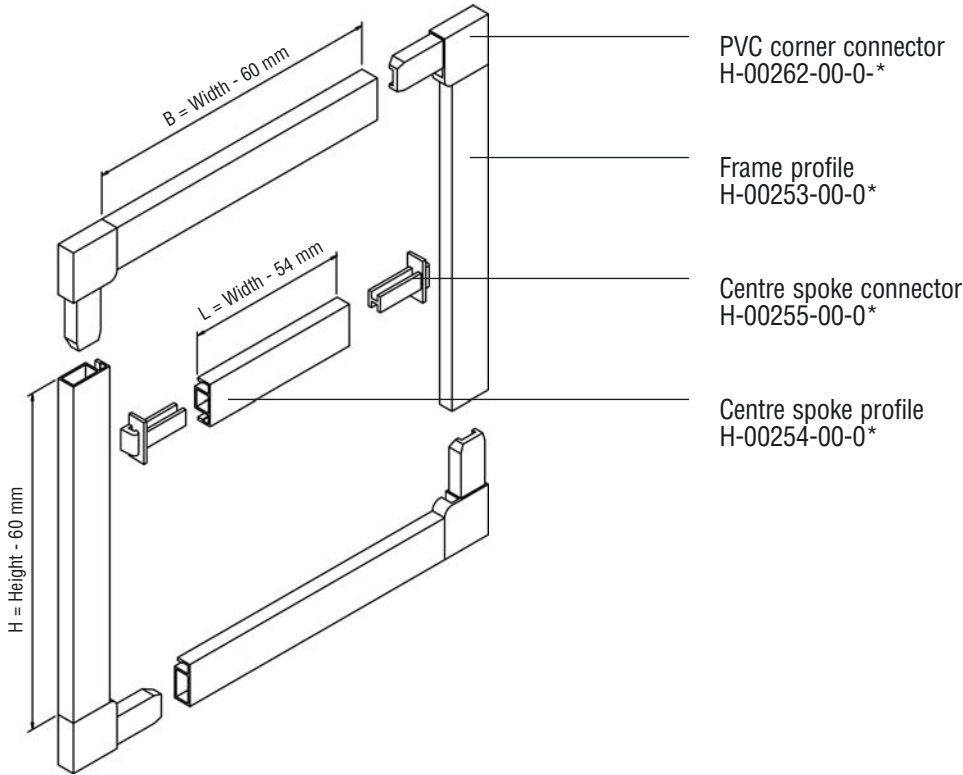


Figure I

Cutting and assembly of the frame profile for external PVC corner connectors.

Figure II A

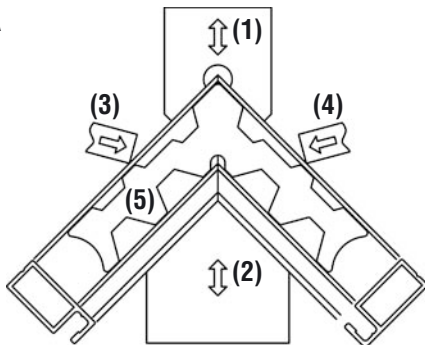


Figure II

Assembly of the frame profile for internal aluminium corner connectors.

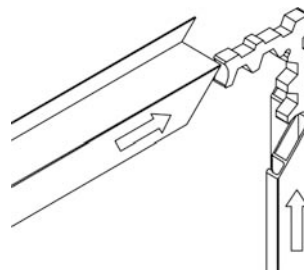
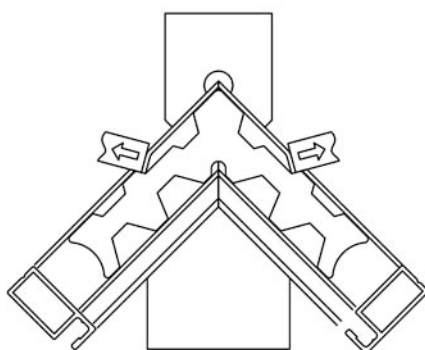


Figure II B



Procedure when clipping/pressing

Figure II A

Setting the clipping position of the stamps (3) and (4) according to the drawing by adjusting the arm brackets (1) and (2). In order to achieve an adequate pressing force, the stamps must "scratch" the corner connectors.

Arm bracket (1) should only be adjusted once correctly for all profiles.

Figure II B

Pressing

Assembly on windows with suspension springs

Figure 1

Profiles

Frame profile H-00253-00-0-*

Centre spoke H-00254-00-0-*

Fixing

Suspension springs H-00267-**-0-0

Application

- window face-shifted
- window flush with a shadow joint of at least 10 mm

Maximum dimensions

Maximum height 2000 mm

Maximum width 1600 mm

Centre spoke from 1300 mm

Order dimensions

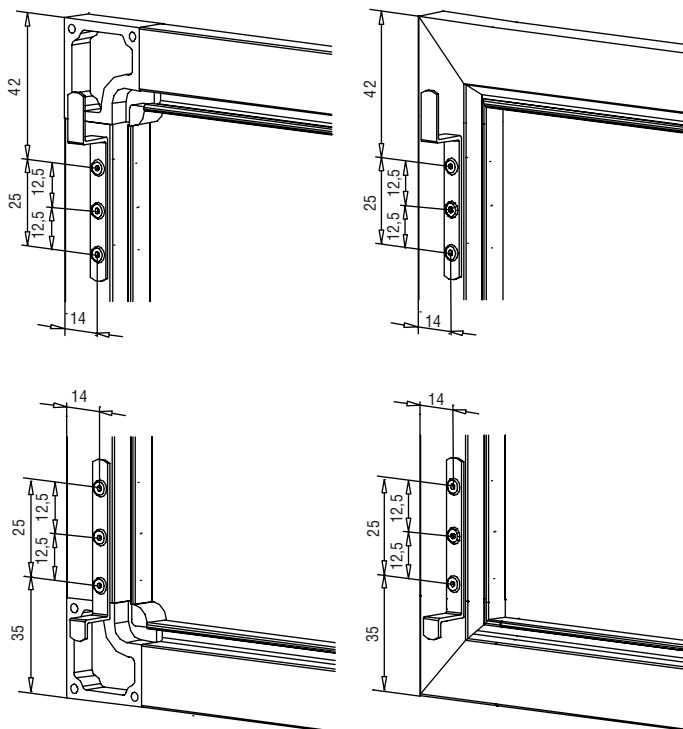
Height = clear blind frame height + 50 mm

Width = clear blind frame width + 18 mm

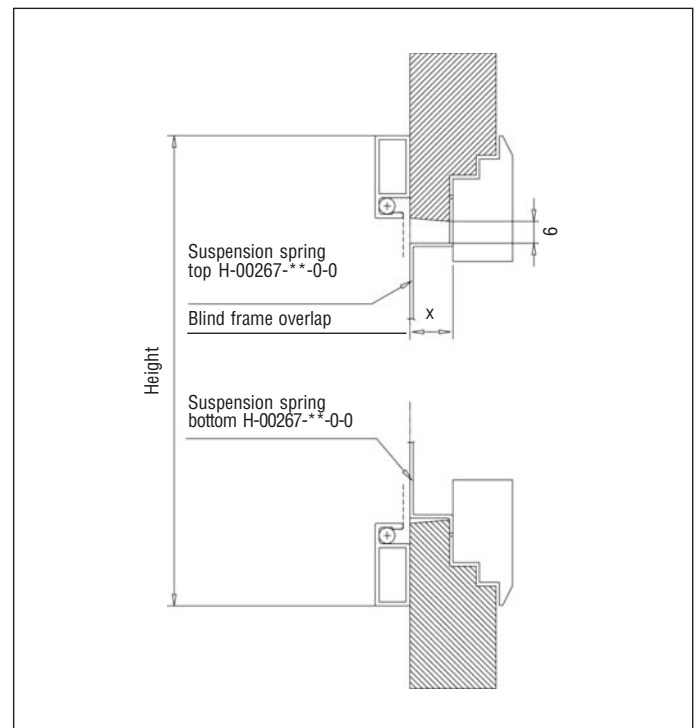
Dim. x = overlap of the blind frame

Drilling distances

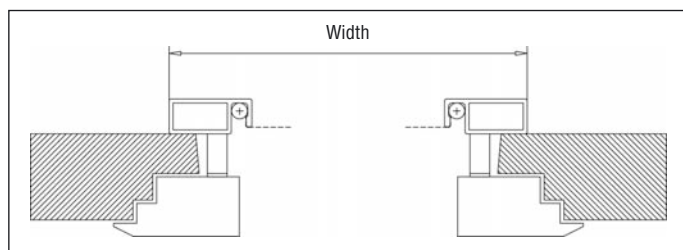
Drilling distances to fix the suspension springs. Drill with $\varnothing 3,2$ and then rivet with spacing rivets.



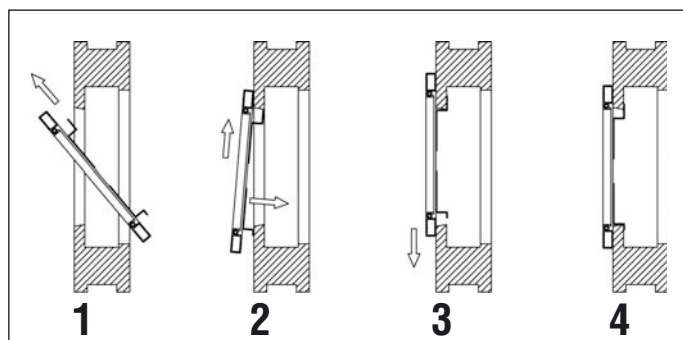
Vertical section



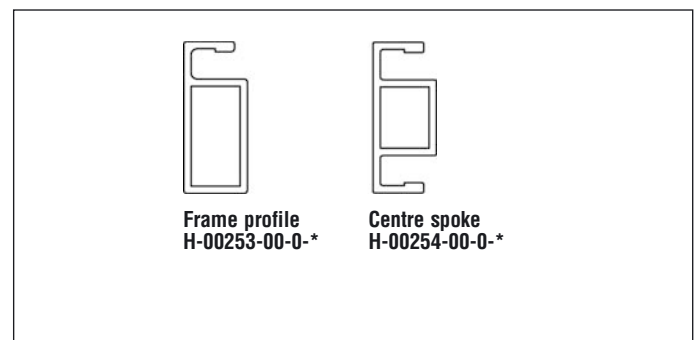
Horizontal section



Suspension of the insect screen



Profiles



Assembly on windows with fixings

Figure 2

Profiles

Frame profile H-00253-00-0-*

Centre spoke H-00254-00-0-*

Fixing

Fixings H-00266-00-0-*

Application

- window face-shifted
- flush

Maximum dimensions

Maximum height 2000 mm

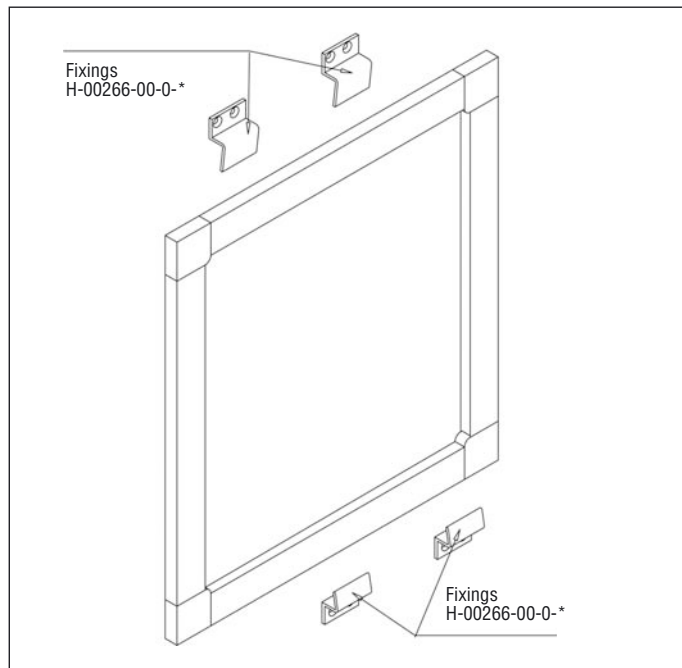
Maximum width 1600 mm

Centre spoke from 1300 mm

Order dimensions

Height = clear blind frame height + 50 mm

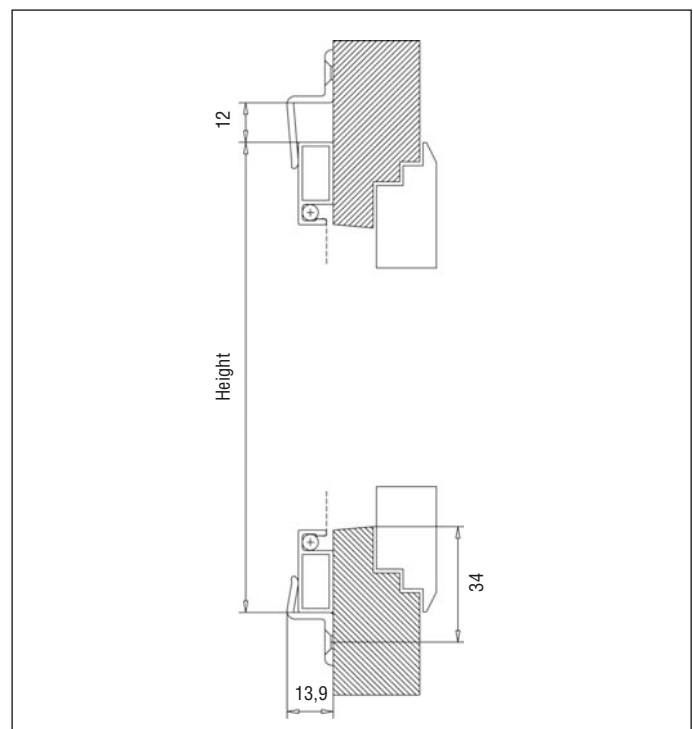
Width = clear blind frame width + 50 mm



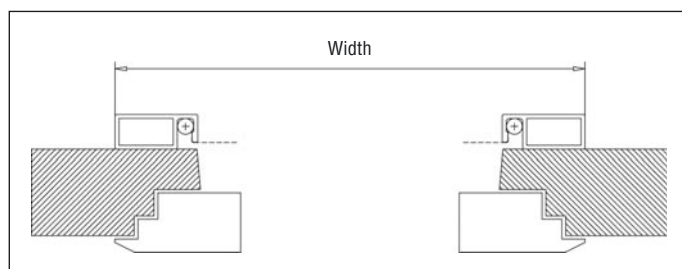
Fixing

In order to fix the brackets, screws appropriate to the background must be used.

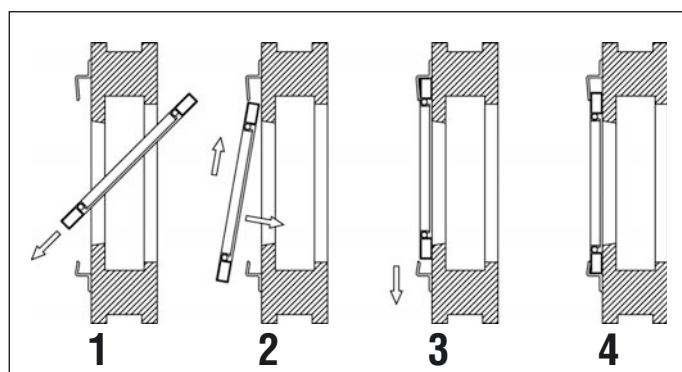
Vertical section



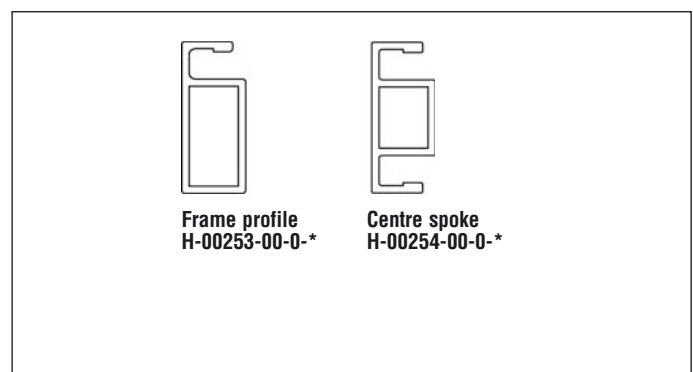
Horizontal section



Suspension of the insect screen



Profiles



Assembly on windows with spring clamping pins

Figure 3

Profiles

Frame profile H-00253-00-0-
 Centre spoke H-00254-00-0-*

Fixing

Spring clamping pins H-00268-00-0-0

Application

- windows face-shifted
- flush

Maximum dimensions

Maximum height 2000 mm
 Maximum width 1600 mm
 Centre spoke from 1300 mm

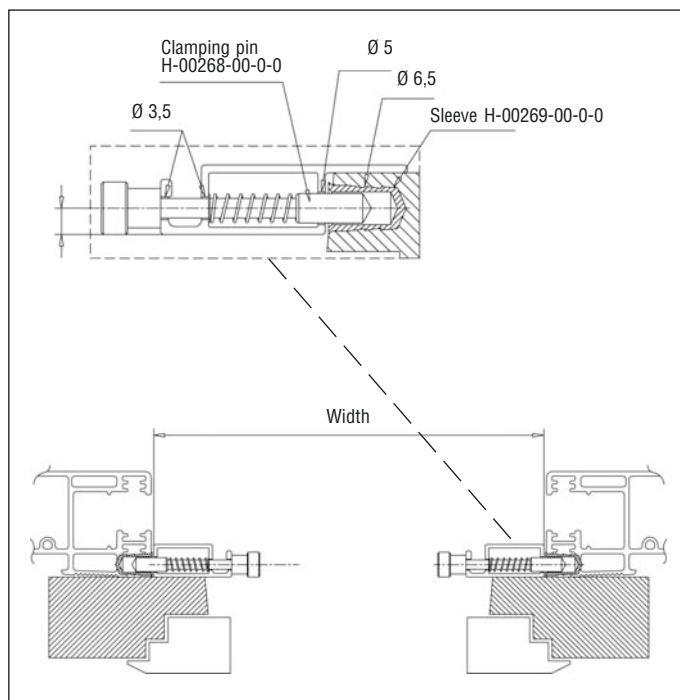
Order dimensions

Height = clear blind frame height + 50 mm
 Width = clear blind frame width - 2 mm

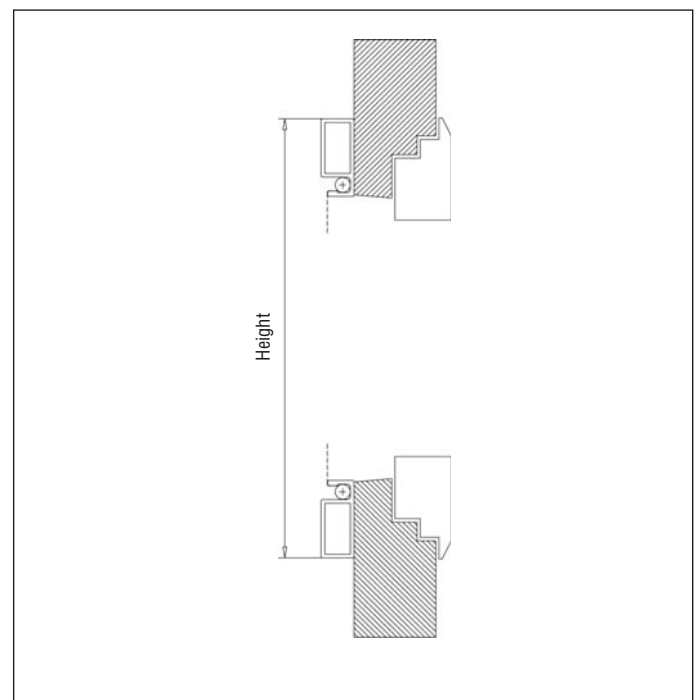
Fixing

Example of assembly for a frame on the soffit and fixing with clamping pins in roller blind guide rails. For this type of fixing, two clamping pins are required on each side. These must be attached at a distance of 100 mm – 150 mm from the upper and/or lower edge.

Horizontal section



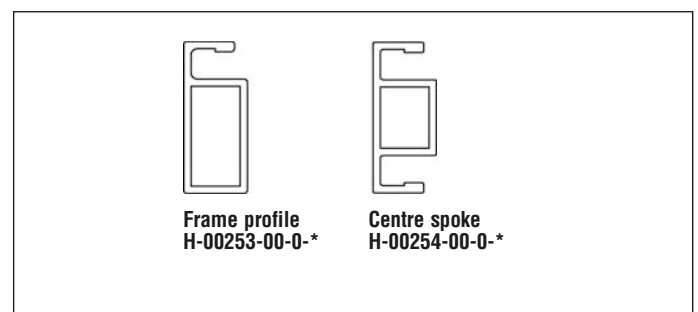
Vertical section



Comments

After inserting the tubular rubber profile, before assembling the flyscreen gauze, re-drill the bore Ø 3.5mm again with step drill H-00281-00-0-0.

Profiles



Assembly on windows with aluminium hinges and magnetic tape

Figure 4

Profiles

Frame profile	H-00265-00-0-*
Centre spoke	H-00254-00-0-*

Fixing

Aluminium hinge	H-00271-00-0-*
Magnetic tape	H-00270-00-0-0

Application

– timber and PVC windows, face-shifted

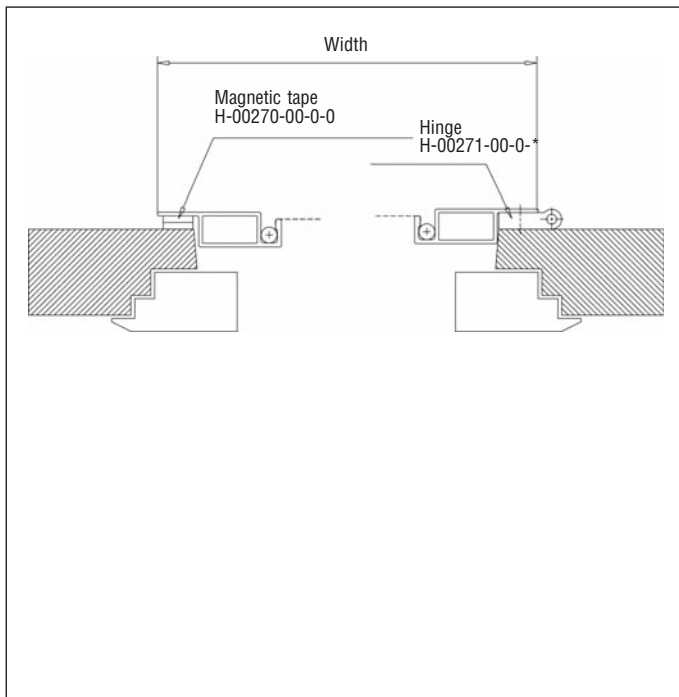
Maximum dimensions

Maximum height	2000 mm
Maximum width	1600 mm
Centre spoke from	1300 mm

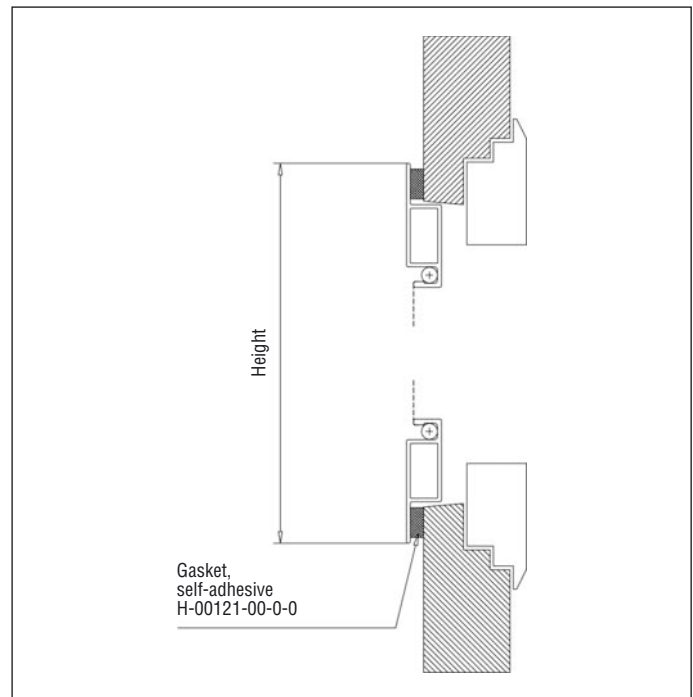
Order dimensions

Height	= clear blind frame height + 22 mm
Width	= clear blind frame width + 22 mm

Horizontal section



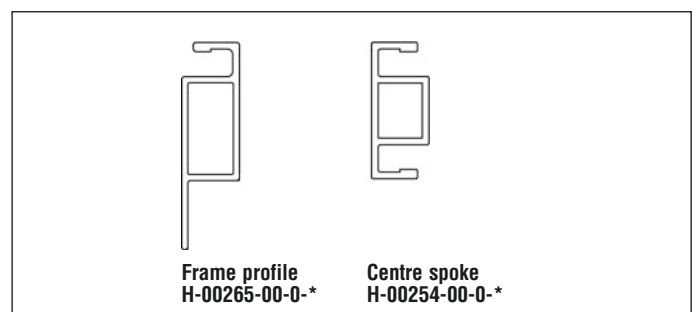
Vertical section



Comments

The S-profiles must be clamped with devices for holding down when sawing.

Profiles



Assembly on windows with spring clamping pins

Figure 5

Profiles

Frame profile H-00265-00-0-*

Centre spoke H-00254-00-0-*

Fixing

Spring clamping pins H-00268-00-0-0

Application

– PVC windows, face-shifted

Maximum dimensions

Maximum height 2000 mm

Maximum width 1600 mm

Centre spoke from 1300 mm

Order dimensions

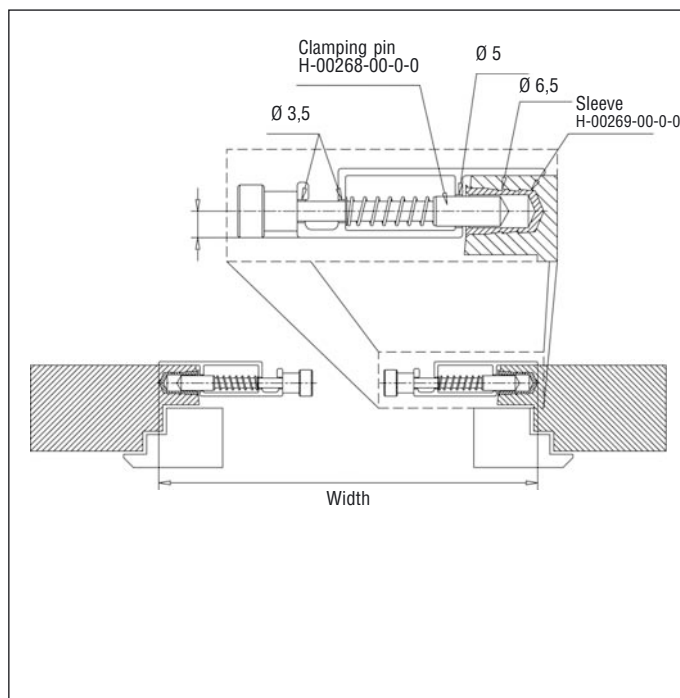
Height = clear blind frame height + 22 mm

Width = clear blind frame width + 22 mm

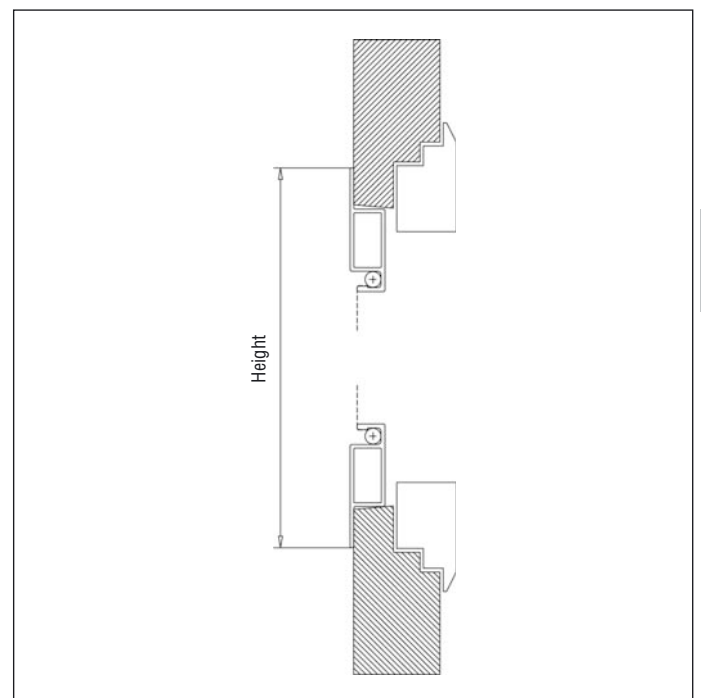
Fixing

Example of assembly for a frame in the soffit and fixing with clamping pins. For this type of fixing, two clamping pins are required on each side. These must be attached at a distance of 100 mm – 150 mm from the upper and/or lower edge. Bore diameter and position in the profile are to be found in the drawing below.

Horizontal section



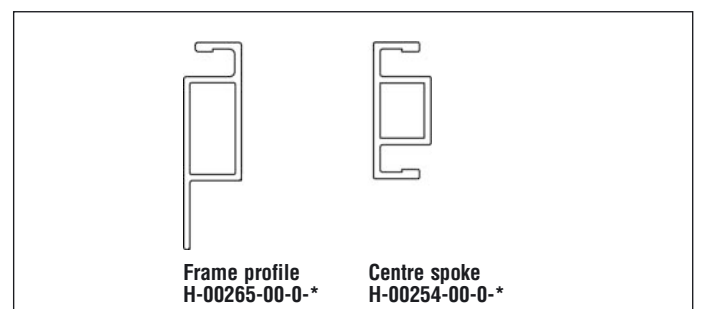
Vertical section



Comments

The S-profiles must be clamped with devices for holding down when sawing. After inserting the tubular rubber profile, before assembling the flyscreen gauze, re-drill the bore Ø 3,5 mm again with step drill H-00281-00-0-0.

Profiles



Assembly sequence for doors

Using Figures 6 to 10, it must be determined which variant should be used – only the most usual are stated here.	
1	Determine the cut dimensions according to Figure 6.
2	Produce offset on centre spoke – eg by milling or sawing , Figure 6B.
3	Drill the moving frame profile to accept screws H-00259-00-0-0 for the fixing of the centre spoke. The dimensions can be found in Figures 6 A and 6 B. The distance from the centre spoke to take up the footplate is fixed.
4	Countersink the bores with 90° from the outside of the profile to a diameter of 8 mm.
5	The recesses – see Figure 6 B – on the moving frame profile to take up the tubular rubber profile can be created with an appropriate clipping unit or with the aid of a milling machine.
6	Saw to mitre angle – usually 45° – in line with the height and width determined under Section 2.
7	Push together the profiles with the corner connectors, H-00264-00-0-0 – see Figure II showing the example of profile H-00265-00-0* . Recommendation: glue in the corner connectors with aluminium glue.
8	Press down with corner press in line with Figure II A + B showing the example of profile H-00253-00-0* .
9	

Fixing possibilities and handles:

Depending on the assembly variant and personal taste, an individual fixing possibility must be used. Various different hinges (H-00271/272/273-*) and magnetic tapes (H-00270-*) are available for this. There is also the possibility to make an individual handle selection.

We would recommend that doors with internal corner connectors are glued with aluminium glue.

Assembly on doors

Figure 6 A – Cut dimensions

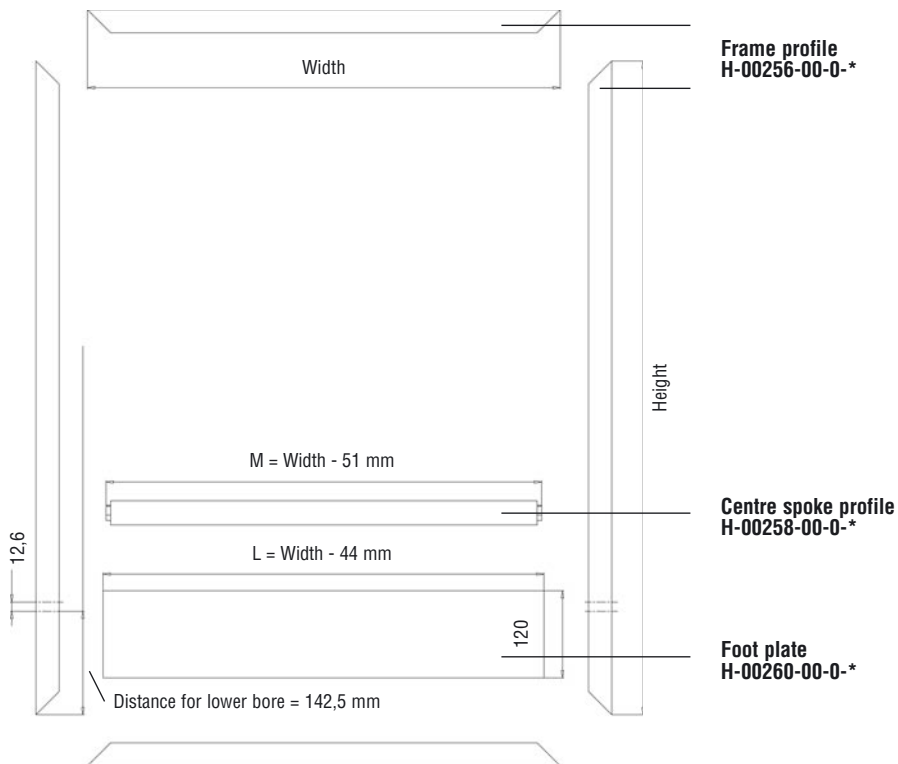
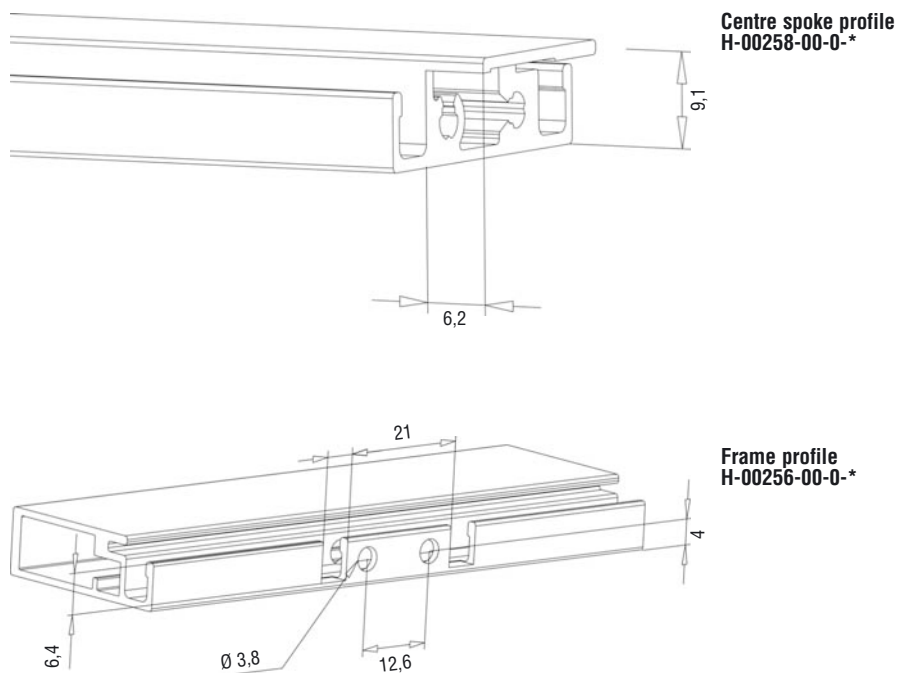


Figure 6 B – dimensions for the connection of the centre spoke profile / frame profile



Assembly on doors with aluminium hinges and doorframe profile

Figure 7

Profiles

Frame profile	H-00256-00-0-*
Doorframe profile	H-00257-00-0-*
Centre spoke	H-00258-00-0-*

Fixing

Aluminium hinge	H-00271-00-0-*
Magnetic tape	H-00270-00-0-0

Application

- door face-shifted
- flush

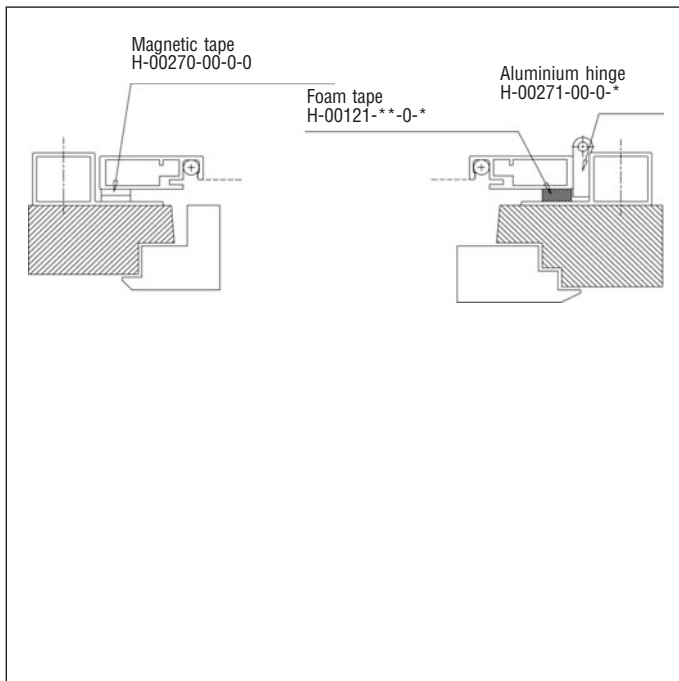
Maximum dimensions

Maximum height	2300 mm
Maximum width	1500 mm
Centre spoke from	1300 mm

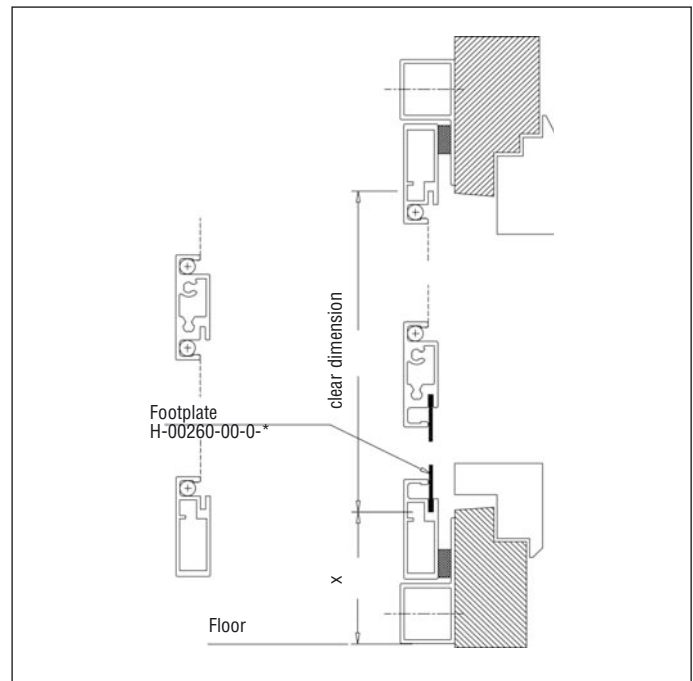
Order dimensions

Width of doorframe profile	= clear dimension + 80 mm
Height of doorframe profile	= clear dimension + x + 40 mm
Width of frame profile	= width of doorframe profile - 48,5 mm
Height of frame profile	= height of doorframe profile - 43 mm
Width of footplate	= width of frame profile - 44,5 mm
Width of centre spoke profile	= width of frame profile - 64 mm (without milling, see Figure 6 B)
	= width of frame profile - 52 mm (with milling, see Figure 6 B)

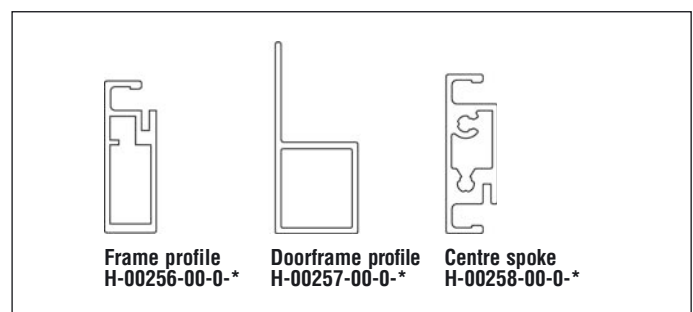
Horizontal section



Vertical section



Profiles



Assembly on doors with hinges and external frame profile – brush below

Figure 8

Profiles

Frame profile	H-00256-00-0-*
Doorframe profile	H-00257-00-0-*
Centre spoke	H-00258-00-0-*

Fixing

Aluminium hinge	H-00271-00-0-*
Magnetic tape	H-00270-00-0-0

Application

- door face-shifted
- flush

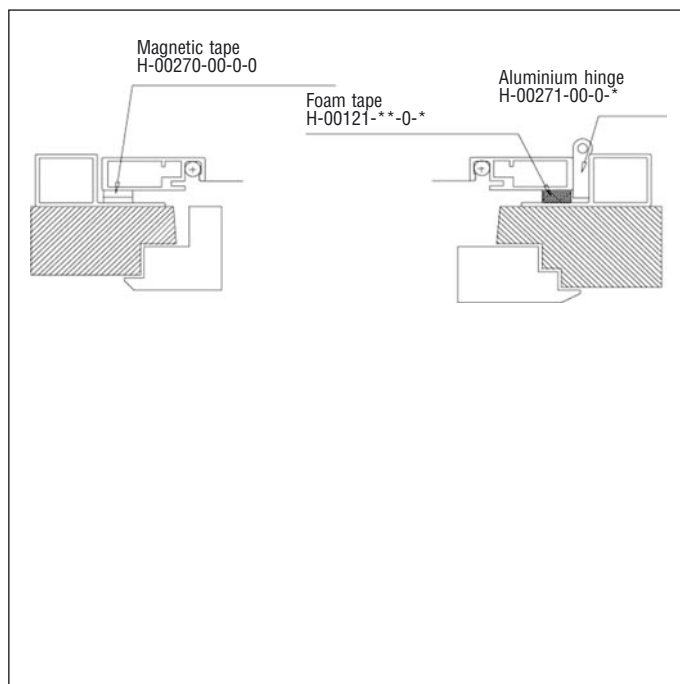
Maximum dimensions

Maximum height	2300 mm
Maximum width	1500 mm
Centre spoke from	1300 mm

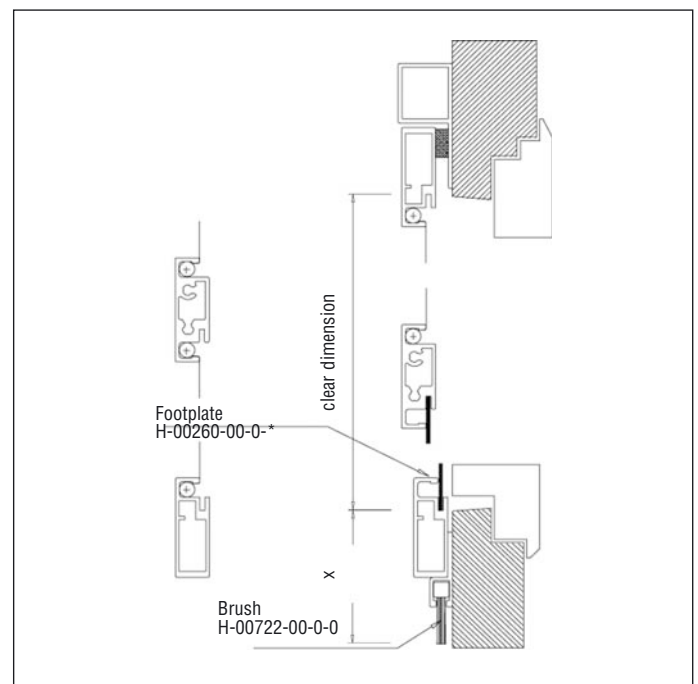
Order dimensions

Width of doorframe profile	= clear dimension + 80 mm
Height of doorframe profile	= clear dimension + x + 40 mm
Width of frame profile	= width of doorframe profile - 48,5 mm
Height of frame profile	= height of doorframe profile - 45,5mm
Width of footplate	= width of frame profile - 44,5 mm
Width of centre spoke profile	= width of frame profile - 64 mm (without milling, see Figure 6 B)
	= width of frame profile - 52 mm (with milling, see Figure 6 B)

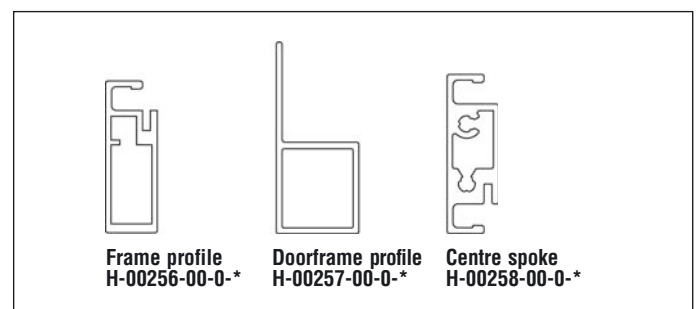
Horizontal section



Vertical section



Profiles

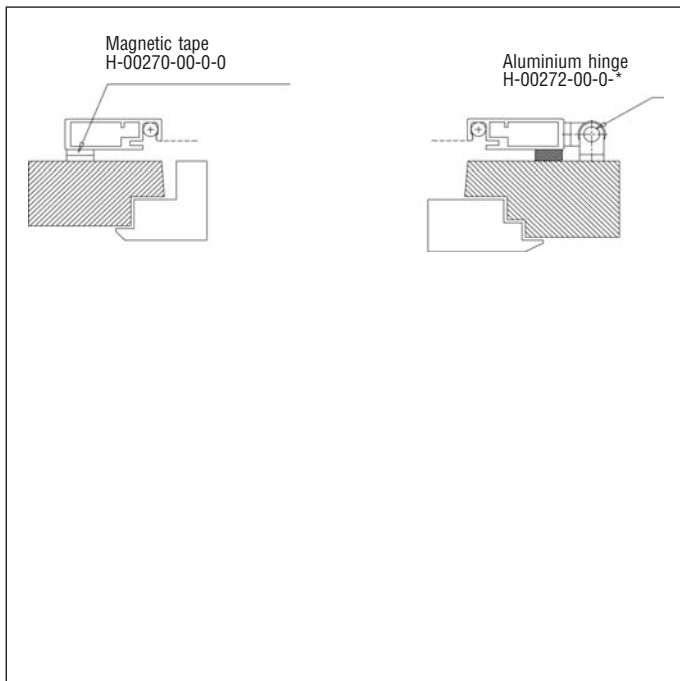


Assembly on doors with aluminium hinge and magnetic tape

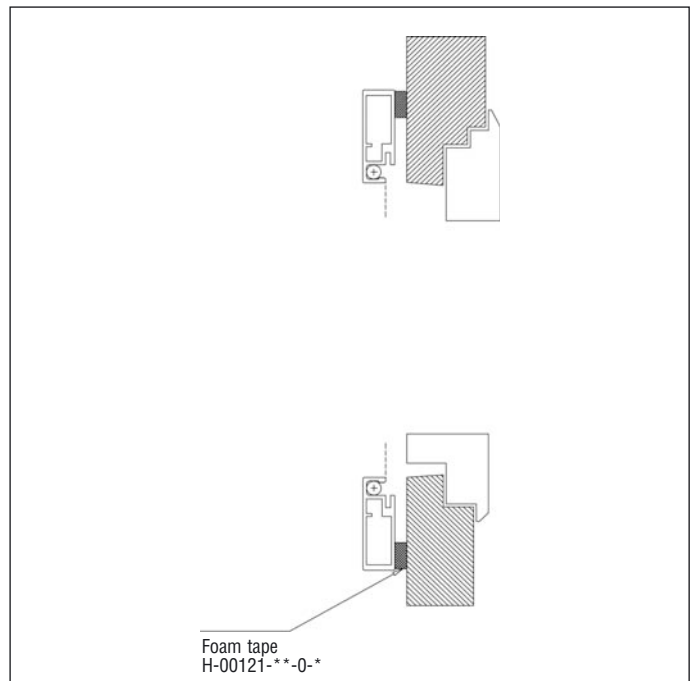
Figure 9

Profiles		Maximum dimensions	
Frame profile	H-00256-00-0-*	Maximum height	2300 mm
Centre spoke	H-00258-00-0-*	Maximum width	1500 mm
Fixing		Centre spoke from	1300 mm
Aluminium hinge	H-00272-00-0-*	Order dimensions	
Magnetic tape	H-00270-00-0-0	Width of frame profile	= clear dimension + 64 mm
Application		Height of frame profile	= adapt to assembly situation
– door face-shifted		Width of footplate	= width of frame profile - 44,5 mm
– flush		Width of centre spoke profile	= width of frame profile - 64 mm (without milling, see Figure 6 B) = width of frame profile - 52 mm (with milling, see Figure 6 B)

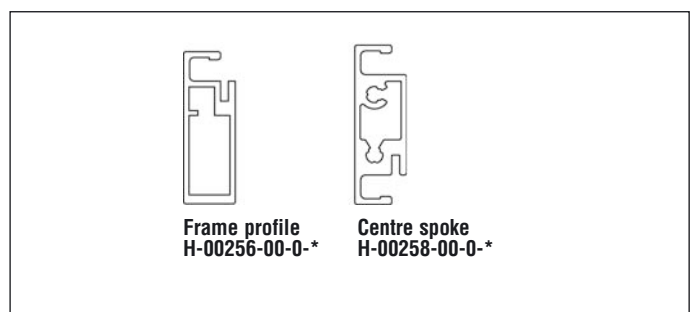
Horizontal section



Vertical section

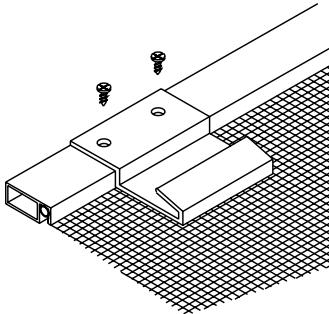


Profiles



Assembly of door handles

Figure 10 A

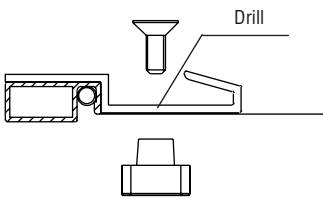


**Aluminium handle shell
H-00274-00-0-***

Fixing of aluminium handle shell H-00274-00-0-*

Draw the bores for the handles (G) centrally to the frame, if applicable above the centre spoke (hole distance 30 mm – \varnothing 3,2 mm). Screw the handle through the frame profile – screw 3,5 x 9,5 mm H-00275-00-0-*

Figure 10 B

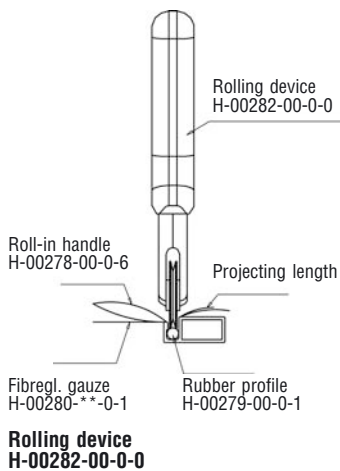


**Retaining button
H-00276-00-0-***

Fixing of retaining button H-00276-00-0-*

For operation from the inside, a retaining button must also be screwed onto the handle – screw M 5 x 8 mm. For this, a hole with diameter 5,5 mm must be drilled centrally in the handle.

Figure 10 C



**Rolling device
H-00282-00-0-0**

Fixing of roll-in handle H-00278-00-0-6

Roll in handle together with the tubular rubber profile and fibreglass gauze.



Product group

YK

PVC accessory profiles

YK

PVC Accessory Profiles

Cover profiles

PVC cladding profiles – self-adhesive	YK.3
PVC flat profiles, PVC hollow profiles	YK.4

Connecting profiles

PVC connecting profiles – inside insulation	YK.5
PVC connecting profiles – outside insulation	YK.5

Glazing bars

PVC glazing bars, cross piece	YK.6
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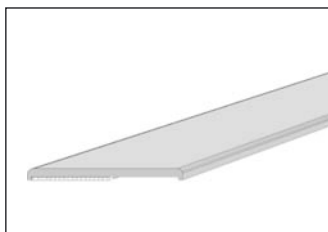
Profiles

Tongue and groove profiles	YK.7
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Glazing blocks

Plastic glazing blocks	YK.8
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PVC cladding profiles – self-adhesive



PVC flat profile H-00035

Our big seller

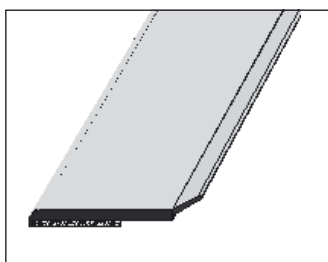
We have laid in a foam adhesive tape. With its "nosing" it provides a good looking, smart shaped 3 mm profile.



PVC flat profiles

Multiple applications

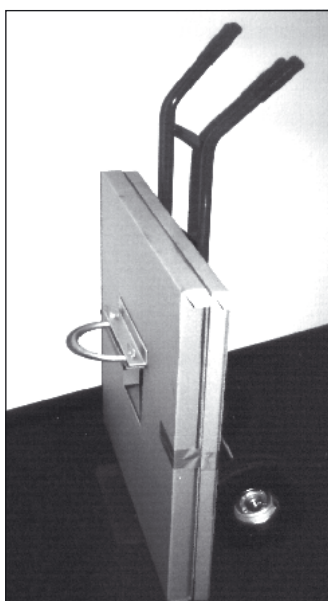
Internally under the window board and to plaster work at the jambs and head, also externally with correct adhesive.



PVC flat profile H-00305

Design

Beautifully designed flat profile with rounded corners, self-adhesive foam tape and soft lip. The soft lip has the same appearance as a silicone joint carried out well.



Transport carriage H-00307-00-0-0

Transport carriage

– The carriage is especially designed to take profile rolls. Maximum load is three rolls which corresponds to a weight of 60 kg. It is no problem for the carriage to mount stairs.

PVC flat profiles

PG	Description	Dimensions mm	PU	Order Number
YK	PVC flat profile with self-adhesive foam tape	20 x 3/2	450 m	H-00035-02-0-7
		30 x 3/2	450 m	H-00035-03-0-7
		40 x 3/2	225 m	H-00035-04-0-7
		50 x 3/2	225 m	H-00035-05-0-7
		60 x 3/2	225 m	H-00035-06-0-7
YK	PVC flat profile with self-adhesive foam tape on roll	70 x 3/2	45 m	H-00035-07-0-7
		20 x 3/2	150 m	H-00304-02-0-7
		30 x 3/2	150 m	H-00304-03-0-7
		40 x 3/2	150 m	H-00304-04-0-7
		50 x 3/2	150 m	H-00304-05-0-7
YK	PVC flat profile with soft lip and self-adhesive foam tape on roll	60 x 3/2	150 m	H-00304-06-0-7
		20 x 3/2	130 m	H-00305-02-0-7
		30 x 3/2	130 m	H-00305-03-0-7
		40 x 3/2	130 m	H-00305-04-0-7
		50 x 3/2	130 m	H-00305-05-0-7
		60 x 3/2	130 m	H-00305-06-0-7

Accessories

PG	Description	PU	Order Number
YW	Cutters with lever transmission	1 pc	H-00306-00-0-0
YW	Carriage for flat profiles on roll	1 pc	H-00307-00-0-0

Product information

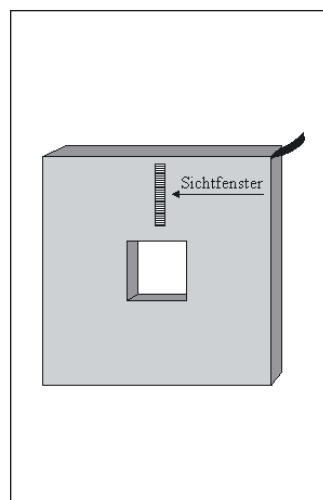
Self adhesive strips are modern products which are indispensable for a perfect window finish.

Advantages

- saving on conventional adhesive
- no remedial due to excess or "runny" adhesive
- quicker work
- durable from - 30 °C to + 80 °C.

Advantages of profile on roll

- less scraps
- easy transport
- material stays clean until it is used
- simple handling

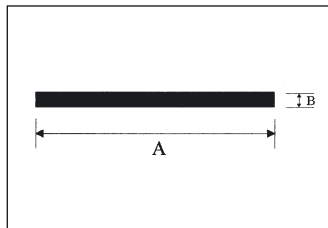


PVC flat profile on roll

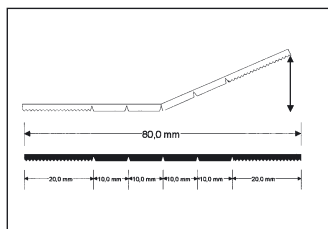


Cutters for flat profile with lever transmission

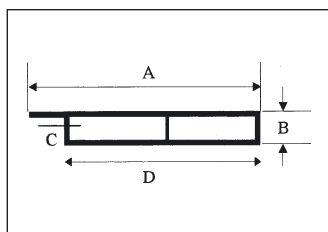
PVC flat profiles, PVC hollow profiles



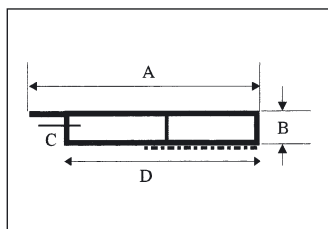
PVC flat profile H-00033



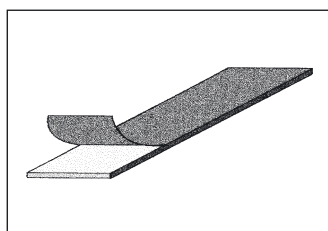
PVC flat profile H-00034



PVC hollow profile H-00036



PVC hollow profile H-00037



Protective film

Accessories

Accessories for cover strips without self-adhesive tape:

- G.U-PLAST PVC adhesive transparent - H-00012
- for adhesive preparation G.U-PLAST PVC solvent cleaner - 9-38970

PVC flat profiles

PVC flat profiles as cover strips for internal use.

The price right alternative

- snap at break point = more flat strips
- fold at break point = choice of angle profiles

PVC hollow profiles

PVC hollow profiles as cover strips for both internal and external use.

Self adhesive foil

PVC flat profiles with self-adhesive foil for quicker and easier installation.

Protective film

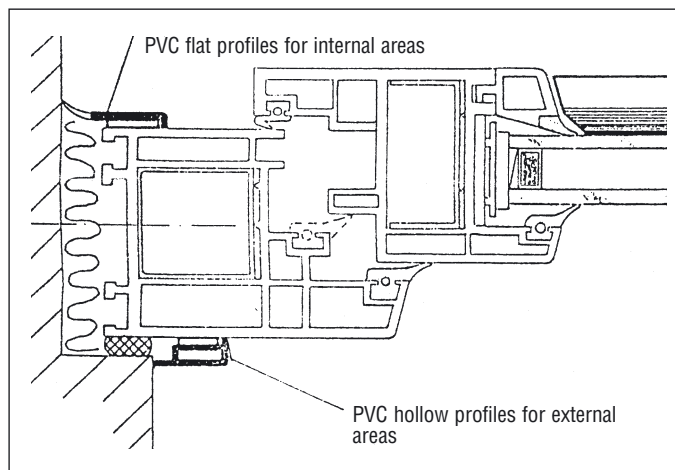
The protective film of the adhesive tape can also be removed when the profile is already pre-mounted.

PVC flat profiles, PVC hollow profiles

PG	Description	Dim. A x B mm	PU	Order Number
YK	PVC flat profile	20 x 3	60 m	H-00033-02-0-7
		30 x 3	60 m	H-00033-03-0-7
		40 x 3	60 m	H-00033-04-0-7
		50 x 3	60 m	H-00033-05-0-7
		60 x 3	60 m	H-00033-06-0-7
YK	PVC flat profile with break point	80 x 2	60 m	H-00034-08-0-7
YK	PVC hollow profile	20 x 7	60 m	H-00036-02-0-7
		30 x 7	60 m	H-00036-03-0-7
		40 x 7	60 m	H-00036-04-0-7
		50 x 7	60 m	H-00036-05-0-7
YK	PVC hollow profile with self-adhesive foil	20 x 7	60 m	H-00037-02-0-7
		30 x 7	60 m	H-00037-03-0-7
		40 x 7	60 m	H-00037-04-0-7
		50 x 7	60 m	H-00037-05-0-7

G.U-PLAST PVC adhesive, G.U-PLAST PVC cleaner

PG	Description	Contents	PU	Order Number
YC	G.U-PLAST PVC adhesive, transparent	200 g	50	H-00012-00-0-0
YC	G.U-PLAST PVC solvent cleaner	1000 ml	20	9-38970-00-0-0



Product information

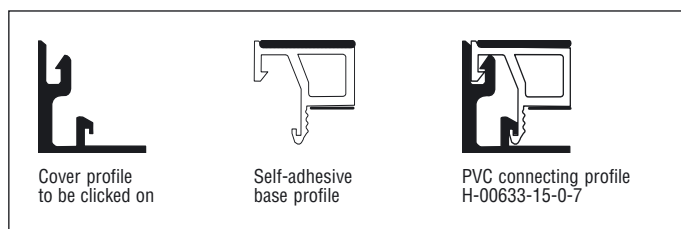
How to begin!

- Self adhesive strip always requires a smooth, dry and clean surface. Best to prepare with G.U Plast cleaner.
- The main adhesive face should always be the PVC window.
- The ideal bonding temperature is between 10 °C and 30 °C. Do not try under 5 °C. Maximum bond strength after 24 hrs.
- All self-adhesive strips are suitable for internal areas.

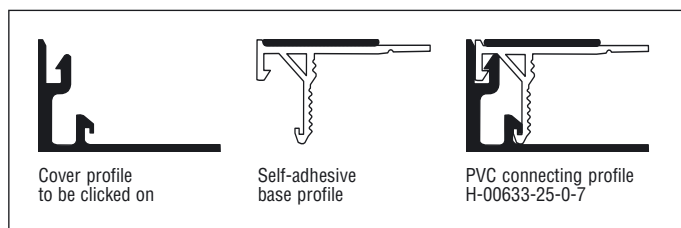
Note:

- In external areas only profile with PE foam adhesive strip is suitable.
- Where time saving installing is required, complete self-adhesive cover profile is suitable.

PVC connecting profiles



PVC connecting profile H-00633-15-0-7



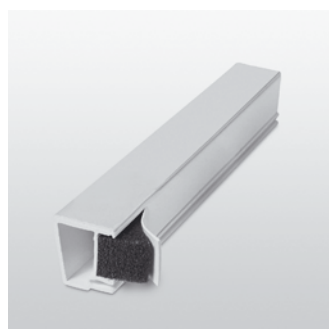
PVC connecting profile H-00633-25-0-7

Product information

PVC connecting profiles provide expert and durable sealing on the inside of windows and doors. They prevent warm ambient air and the humidity bound in it to enter the adjacent area.

If positioned correctly, PVC connecting profiles have a positive effect on the 10° isotherms.

Mounting
 – attach base profile
 – insert sealing tape
 – click on cover profile



PVC connecting profile H-00629-00-0-7

Product information

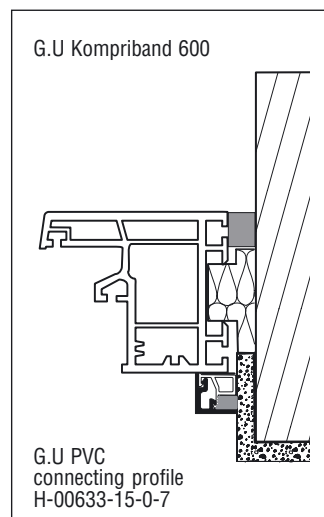
The PVC connecting profile consists of a window connecting bar and the impregnated sealing tape Kompriband 600. A cover strip prevents the sealing foam from decompression before the mounting. After its removal, the tape will seal reliably.

The PVC connecting profile can also be mounted after the installation of windows and doors. Therefore it is also perfectly suitable for renovation works at the outside.

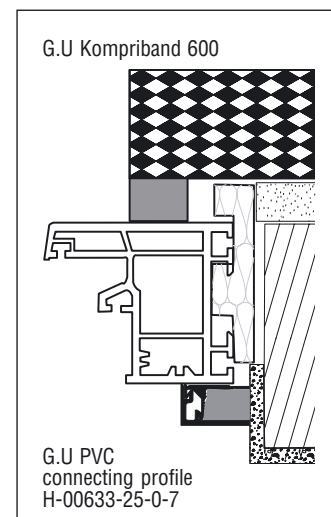
For further connection to the PVC profile we recommend G.U-Plast PVC adhesive H-00012-00-0-0.

PVC connecting profiles – inside insulation

PG	Description	Dim. mm Width x Height	PU	Order Number
YK	PVC connecting profile 2-part, white surface	15 x 15	45 m	H-00633-15-0-7
YK	PVC connecting profile 2-part, white surface	25 x 15	45 m	H-00633-25-0-7



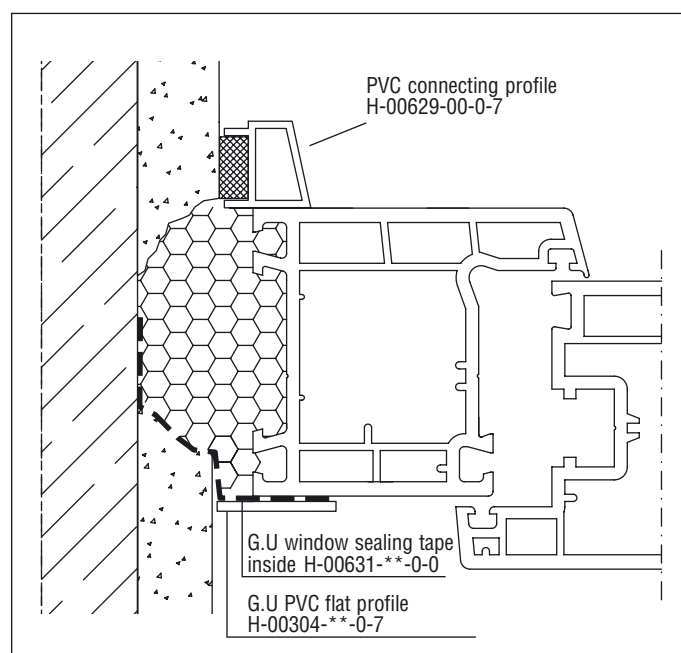
Mounting example PVC connecting profile H-00633-15-0-7



Mounting example PVC connecting profile H-00633-25-0-7

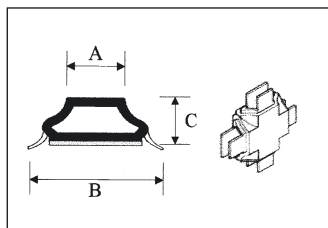
PVC connecting profiles – outside insulation

PG	Description	Dim. mm Width x Height	PU	Order Number
YK	PVC connecting profile 1-part, white surface with Kompriband	20 x 23	45 m	H-00629-00-0-7

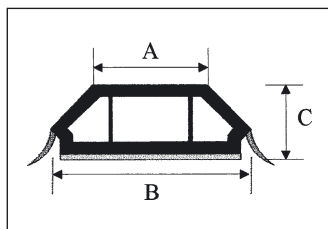


Mounting example PVC connecting profile H-00629-00-0-7

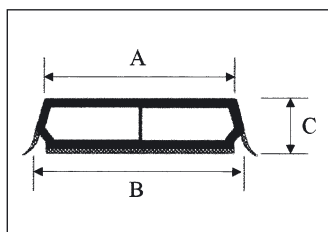
PVC glazing bars, cross point



"Antique" bar H-00040



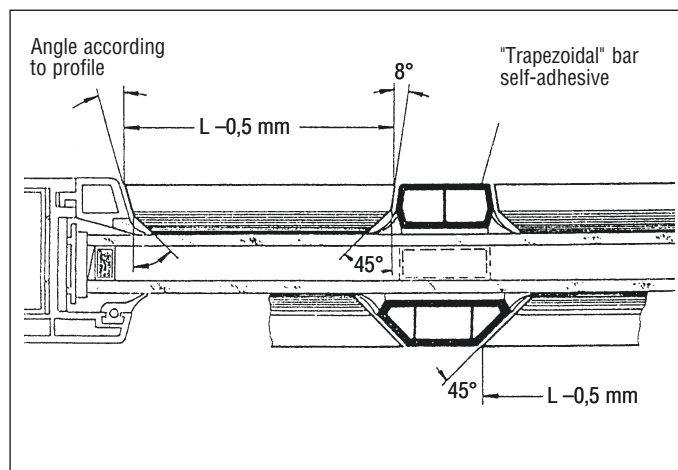
"Softline" bar H-00042



"Trapezoidal" bar H-00043

PVC flat profiles

PG	Description	Dim. A x B x C mm	PU	Order Number
YK	"Antique" bar	12 x 28 x 10	60 m	H-00040-00-0-7
YK	"Antique" bar cross piece	12 x 28 x 10	10 pcs	H-00041-00-0-7
YK	"Softline" bar	8 x 18 x 10	60 m	H-00042-01-0-7
		20 x 35 x 13	60 m	H-00042-02-0-7
YK	"Trapezoidal" bar	20 x 23 x 10	60 m	H-00043-01-0-7
		35 x 38 x 10	60 m	H-00043-02-0-7



Product information

Installation advice for an excellent adhesion of the bar to the pane!

Good, durable adhesion can only be guaranteed when the adhesive face of the bar is brought to a dry pane prepared with a cleaner.

Self adhesive bars are manufactured from high quality plastic and are provided with flexible, age resistant soft seals. The tested foam adhesive guarantees a continuous and durable bond to the pane.

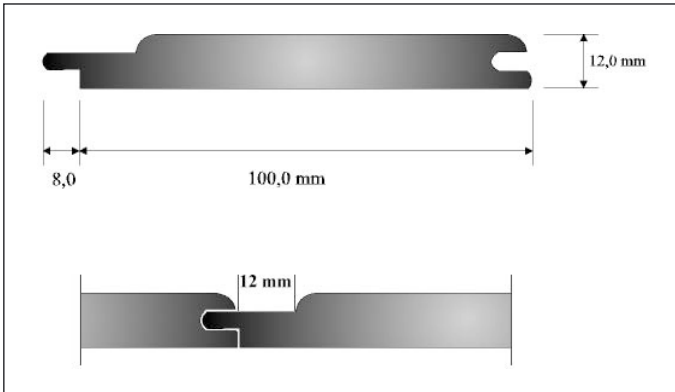
The bar should not be cut "tight", thus allowing for expansion.

Note:

The "abutting" at the end of the bar must be **undercut** to ensure the glazing gasket does not affect the adhesion. The adhesion at the ends must be across **its whole surface**. Should it be prevented by the gasket, it will negate the guarantee!

With our wide programme of bars – choice of widths – distinctive heights – it is possible to give every window its own individual style.

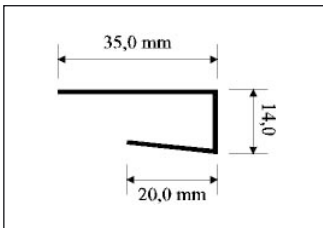
Tongue and groove profiles for door infills, roof and wall cladding



PVC tongue and groove profile, closure profile

PG	Description	Dim. mm	Colour	PU	Order Number
YK	PVC tongue and groove profile	12 x 100	white	30 m	H-00038-00-0-7
YK	Closure profile for tongue and groove profile		white	60 m	H-00039-00-0-7

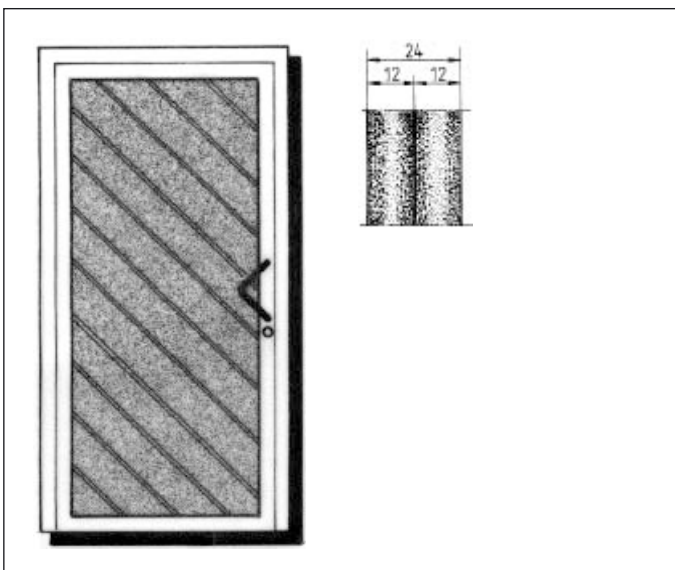
PVC tongue and groove profile



PVC tongue and groove profile

- Panel cover width 100 mm
- Thickness 12 mm
- Stock length 6000 mm

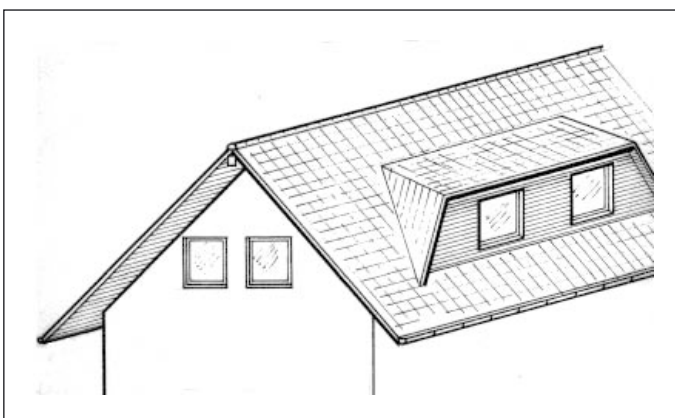
Closure profile for tongue and groove profile



Door infill is made easy with tongue and groove profiles

Why use expensive, milled panels, when a cost effective alternative is available. The adjacent sketch shows a possible style. Select your "backing", 2 x panel = 24 mm or panel + 2 mm aluminium sheet + dense foam panel = 24 mm.

Create your own design!
Fish scales – star – diagonal or simply straight.



Cladding for dormers, roof projections and walls

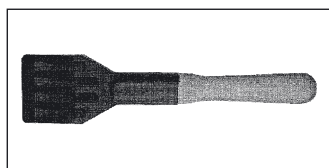
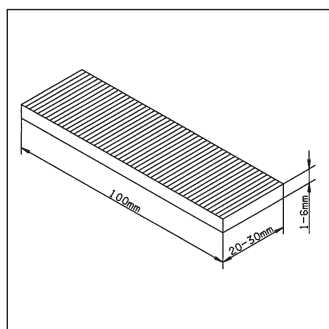
... all recommended uses for G.U panels. High levels of stability are given by the dense foam construction. Also it provides good thermal insulation.

G.U panels can be fixed using screws or industry standard clamps.

Plastic glazing blocks – length 100 mm, width 20, 22, 24, 26, 28 and 30 mm



Plastic glazing blocks



Plastic glazing block shovel

G.U glazing blocks

G.U glazing blocks guarantee a firm position of the glazing unit in the rebate and thus provide a stable and square element.

- Cross flutings on the top surface of the block prevent dislocation.
- Suitable for timber and PVC windows.

Installation

- The required width of the block is glazing unit width + 2 mm.
- The glazing blocks must be fixed by slipping them into the rebate.

Plastic glazing block – width 20 mm

PG	Dim. mm	Colours	PU	Order Number
YKA	100 x 20 x 1	white	1000	H-00127-01-0-0
YKA	100 x 20 x 2	blue	1000	H-00127-02-0-0
YKA	100 x 20 x 3	rose	1000	H-00127-03-0-0
YKA	100 x 20 x 4	yellow	1000	H-00127-04-0-0
YKA	100 x 20 x 5	green	1000	H-00127-05-0-0
YKA	100 x 20 x 6	black	1000	H-00127-06-0-0

Plastic glazing block – width 22 mm

PG	Dim. mm	Colour	PU	Order Number
YKA	100 x 22 x 1	white	1000	9-37476-25-0-0
YKA	100 x 22 x 2	blue	1000	9-37476-26-0-0
YKA	100 x 22 x 3	rose	1000	9-37476-27-0-0
YKA	100 x 22 x 4	yellow	1000	9-37476-28-0-0
YKA	100 x 22 x 5	green	1000	9-37476-29-0-0
YKA	100 x 22 x 6	black	1000	9-37476-30-0-0

Plastic glazing block – width 24 mm

PG	Dim. mm	Colour	PU	Order Number
YKA	100 x 24 x 1	white	1000	9-37476-01-0-0
YKA	100 x 24 x 2	blue	1000	9-37476-02-0-0
YKA	100 x 24 x 3	rose	1000	9-37476-03-0-0
YKA	100 x 24 x 4	yellow	1000	9-37476-04-0-0
YKA	100 x 24 x 5	green	1000	9-37476-05-0-0
YKA	100 x 24 x 6	black	1000	9-37476-06-0-0

Plastic glazing block – width 26 mm

PG	Dim. mm	Colour	PU	Order Number
YKA	100 x 26 x 1	white	1000	9-37476-07-0-0
YKA	100 x 26 x 2	blue	1000	9-37476-08-0-0
YKA	100 x 26 x 3	rose	1000	9-37476-09-0-0
YKA	100 x 26 x 4	yellow	1000	9-37476-10-0-0
YKA	100 x 26 x 5	green	1000	9-37476-11-0-0
YKA	100 x 26 x 6	black	1000	9-37476-12-0-0

Plastic glazing block – width 28 mm

PG	Dim. mm	Colour	PU	Order Number
YKA	100 x 28 x 1	white	1000	9-37476-13-0-0
YKA	100 x 28 x 2	blue	1000	9-37476-14-0-0
YKA	100 x 28 x 3	rose	1000	9-37476-15-0-0
YKA	100 x 28 x 4	yellow	1000	9-37476-16-0-0
YKA	100 x 28 x 5	green	1000	9-37476-17-0-0
YKA	100 x 28 x 6	black	1000	9-37476-18-0-0

Plastic glazing block – width 30 mm

PG	Dim. mm	Colour	PU	Order Number
YKA	100 x 30 x 1	white	1000	9-37476-19-0-0
YKA	100 x 30 x 2	blue	1000	9-37476-20-0-0
YKA	100 x 30 x 3	rose	1000	9-37476-21-0-0
YKA	100 x 30 x 4	yellow	1000	9-37476-22-0-0
YKA	100 x 30 x 5	green	1000	9-37476-23-0-0
YKA	100 x 30 x 6	black	1000	9-37476-24-0-0

Glazing block shovel

PG	Description	PU	Order Number
YW	Glazing block shovel type KHK, plastic	1	9-37468-00-0-0

Product group

YM

Sealed unit manufacture

YM

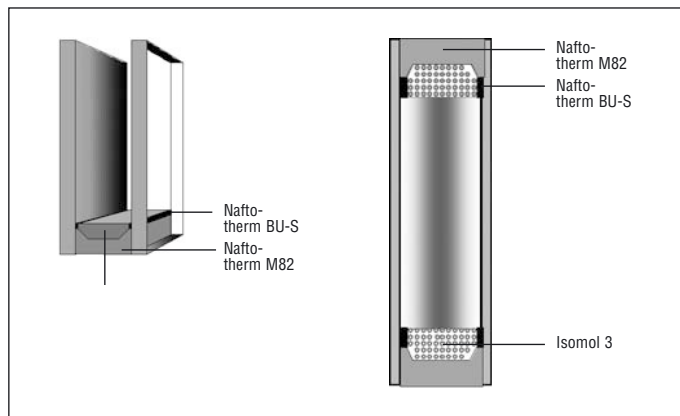
Sealed Unit Manufacture

Sealed unit manufacture

Jointing materials and drying agents
Aluminium spacers and corner angles

YM.3
YM.4

Joining materials and drying agents



Joining materials and drying agents

PG	Description	Dim. mm	Content	PU	Order Number
YM	Naftotherm BU-S	190	29,6 kg	1 carton	H-00166-00-0-0
YM	Naftotherm BU-S	140	20,0 kg	1 carton	H-00166-01-0-0
YM	Naftotherm		1,7 mm butyle string	990 m	H-00166-17-0-0
YM	Naftotherm M 82			210 l	H-00167-00-0-0
	Polysulphide			21 l	H-00167-01-0-0
			2,5 l	4 pc	H-00167-02-0-0
			420 ml	20 pc	H-00167-03-0-0
YM	Molecular sieve, Isomol 3			25 kg	H-00168-00-0-0
YM	Naftotherm HM 96, Hot Melt			6,5 kg	H-00199-00-0-0
YM	Double-sided adhesive tape		4 mm wide	70 rolls	H-00026-00-0-0



Product information

Naftotherm BU-S

Properties

- Single component primary joining material for the manufacture of sealed units
- Fixing aid when assembling the sealed unit frame
- Poly-isobutylene base: no safety equipment required
- Very high water vapour and gas diffusion barrier
- High level of mechanical bonding
- Lowest proportion of volatile components against the "fogging effect"
- Low density for economic processing
- Enables low processing temperatures between 110° and 140° C and low pressures due to the thermoplastic properties
- Unlimited service life

Naftotherm M82

Properties

- Dual component secondary joining material for the manufacture of sealed units
- Polysulphide base, the most frequently used polymer in Europe for multi-pane sealed units
- Long processing time with fast subsequent hardening
- Very simple manual or automatic processing and mixing in the mixing ratio 10 : 1 (by weight)
- Any fluctuations in the mixing ration of ± 20 % do not change the end qualities
- Very high level of chemical adhesion on glass and metal
- High tensile strength at low elongation for long-life edge stability
- Simple application and low maintenance costs due to low viscosity
- Low water vapour and gas diffusion, high UV stability
- Ecologically sound handling and disposal
- Available in all current bundle sizes

Isomol 3

Properties

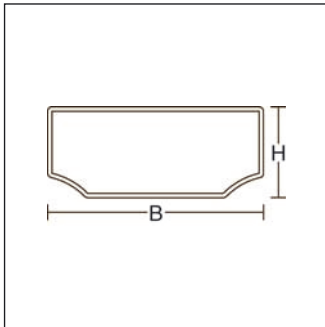
- High quality molecular sieve for drying the enclosed ambient air when assembling sealed units
- Pore size 3 µm to avoid the absorption of nitrogen and other foreign gases
- High capacity and lowest precharge for a long sealed unit function
- Very low proportion of dust
- Various grain sizes for mechanical and automatic filling
- Long-life and very dense packaging in cartons or barrels

Naftotherm HM 96

Properties

- Single component secondary joining material for the manufacture of sealed units
- Low water vapour and gas diffusion
- High level of mechanical adhesion, low proportion of volatile components
- Low density for economic processing
- Permits low processing temperatures and pressures
- Unlimited storage ability

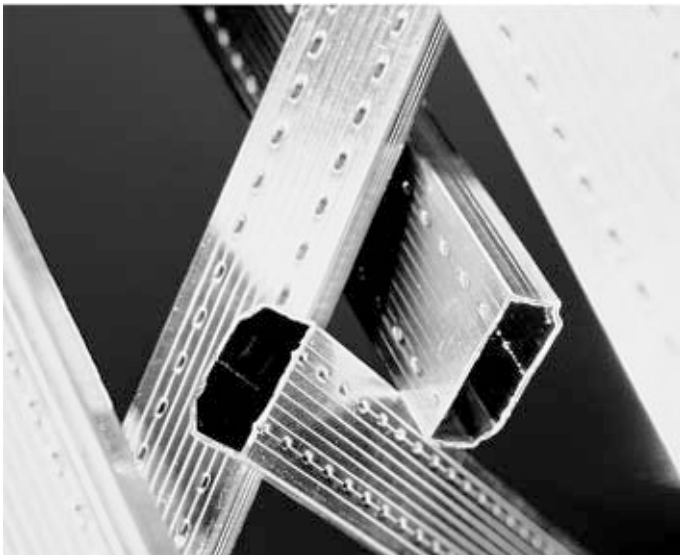
Aluminium spacers and corner angles



Aluminium spacer
H-00169-**-0-0

Aluminium spacers and corner angles

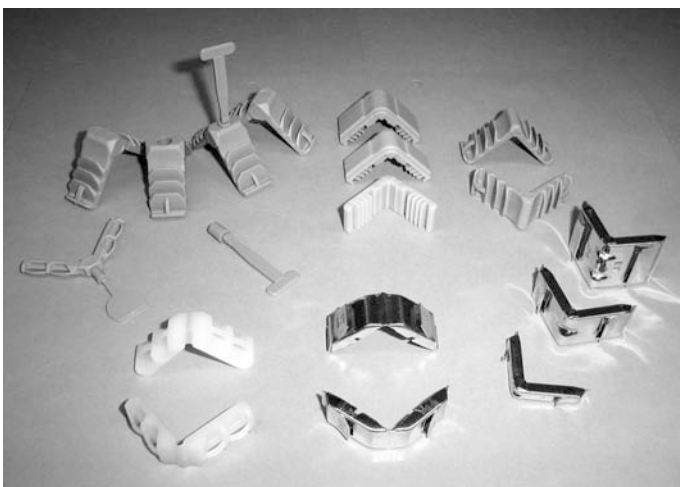
PG	Description	Dim.	Content mm	PU	Order Number
YM	Aluminium spacers	6	5,5 x 6,5	3000 m	H-00169-06-0-0
		8	7,5 x 6,5	2400 m	H-00169-08-0-0
		9	8,5 x 6,5	2100 m	H-00169-09-0-0
		10	9,5 x 6,5	1800 m	H-00169-10-0-0
		12	11,5 x 6,5	1500 m	H-00169-12-0-0
		14	13,5 x 6,5	1300 m	H-00169-14-0-0
		15	14,5 x 6,5	1200 m	H-00169-15-0-0
YM	Polypropylene corner angles	16	15,5 x 6,5	1100 m	H-00169-16-0-0
		6		5000 pcs	H-00170-06-0-0
		8		5000 pcs	H-00170-08-0-0
		9		5000 pcs	H-00170-09-0-0
		10		5000 pcs	H-00170-10-0-0
		12		5000 pcs	H-00170-12-0-0
		14		5000 pcs	H-00170-14-0-0
15		5000 pcs	H-00170-15-0-0		
		16		5000 pcs	H-00170-16-0-0



Aluminium spacers
H-00169-**-0-0

The plug-in system:

- The accepted aluminium spacer to plug in with corner angles.
- Corner angles made from polyamide are available from stock.
- Aluminium spacers are packed in 5 metre lengths with paper dividers in cardboard boxes.
- The appropriate packaging units can be found in the table.



Polypropylene corner angles
H-00170-**-0-0

Product group

YP

Aluminium profiles

YP

Aluminium Profiles

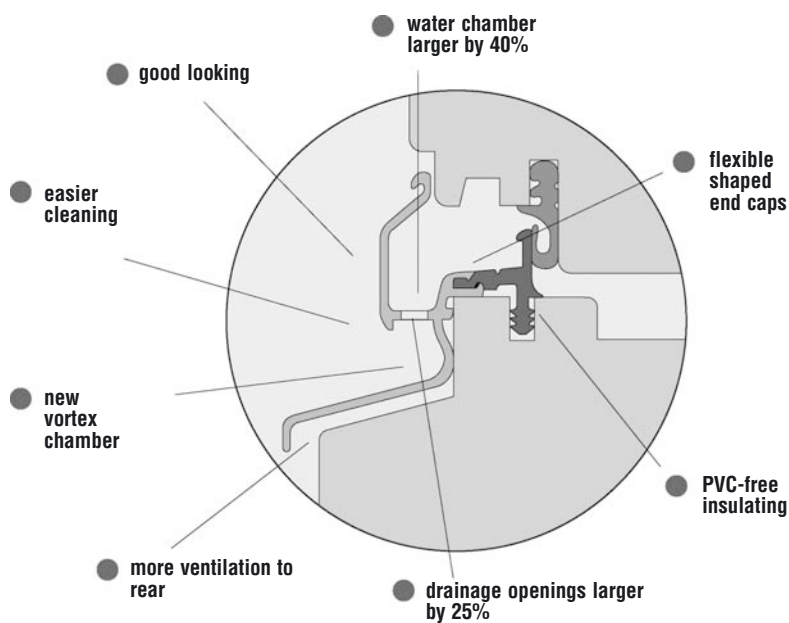
Drip rails

Drip rails for timber windows	YP.3
Drip rails with thermal break for timber windows	YP.5
Balcony/terrace thresholds for timber doors	YP.6
Glass rebate cover	YP.8
Installation advice for end caps made from EPDM	YP.9

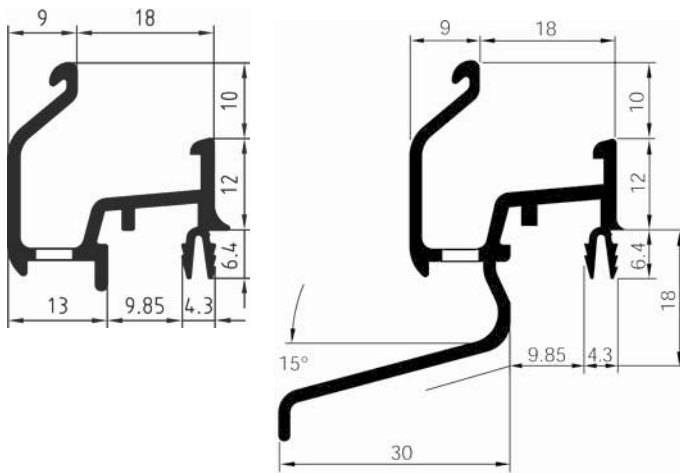
Thresholds

Standard thresholds for entrance doors	YP.10
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Advantages

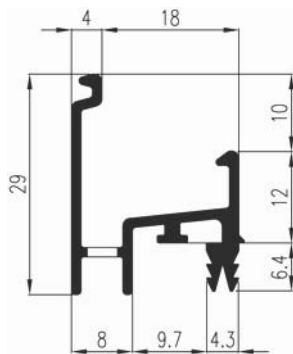


Drip rails for timber windows with 22 mm rebate

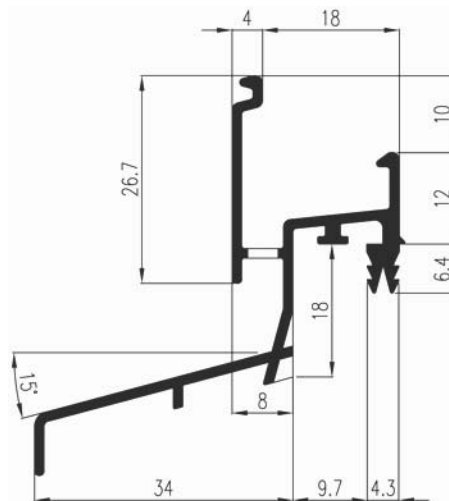


Large capacity drip rail 22/0 G
H-00056-00-0-*

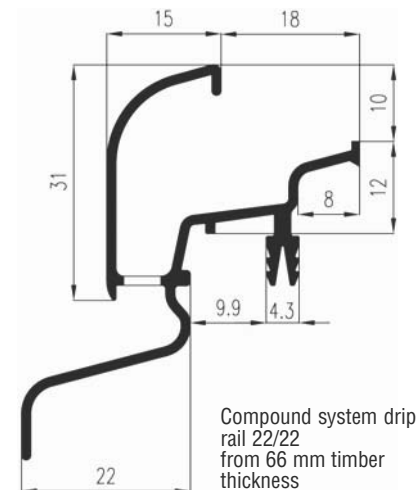
Large capacity drip rail 22/30 G
H-00056-30-0-*



Drip rail 22/0
H-00651-00-0-*



Drip rail 22/34
H-00653-00-0-*



Compound system drip rail 22/22
H-00658-00-0-*

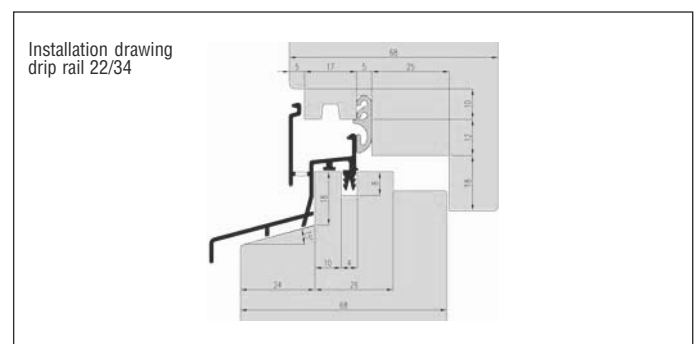
Drip rails

Drip rails for timber windows offer the following advantages: With the timber frame providing thermal insulation, a higher insulation value in the gasket area is achieved. Due to the peripheral timber rebate located where the sash gasket stops, condensation is not possible within a wide temperature range.

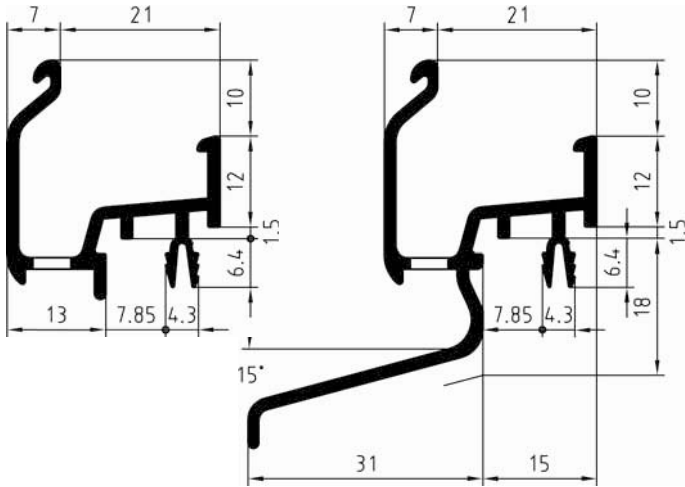
We recommend drip rails for the following systems:
- rebate 22 mm / timber thickness from 66 mm
- rebate 25 mm / timber thickness from 68 mm

Drip rails with fixing leg for timber windows with 22 mm rebate

PG	Description	Finish	PU	Order Number
YP	Large capacity drip rail 22/0 G without projection	EV 1	108 m	H-00056-00-0-1
		brown	108 m	H-00056-00-0-5
		white	108 m	H-00056-00-0-7
	End caps EPDM for large capacity drip rail 22/0 G	light brown	100 pairs	H-00064-00-0-5
		black	100 pairs	H-00064-00-0-6
		white	100 pairs	H-00064-00-0-7
YP	Large capacity drip rail 22/30 G with 30 mm projection	EV 1	48 m	H-00056-30-0-1
		brown	48 m	H-00056-30-0-5
		white	48 m	H-00056-30-0-7
	End caps EPDM for large capacity drip rail 22/30 G	light brown	100 pairs	H-00064-30-0-5
		black	100 pairs	H-00064-30-0-6
		white	100 pairs	H-00064-30-0-7
YP	Drip rail 22/0 without projection	EV 1	60 m	H-00651-00-0-1
		brown	60 m	H-00651-00-0-5
		white	60 m	H-00651-00-0-7
	End caps EPDM for drip rail 22/0	light brown	100 pairs	H-00652-00-0-5
		black	100 pairs	H-00652-00-0-6
		white	100 pairs	H-00652-00-0-7
YP	Drip rail 22/34 with 34 mm projection	EV 1	60 m	H-00653-00-0-1
		brown	60 m	H-00653-00-0-5
		white	60 m	H-00653-00-0-7
	End caps EPDM for drip rail 22/34	light brown	100 pairs	H-00654-00-0-5
		black	100 pairs	H-00654-00-0-6
		white	100 pairs	H-00654-00-0-7
YP	Compound system drip rail 22/22 with 22 mm projection	EV 1	60 m	H-00658-00-0-1
		brown	60 m	H-00658-00-0-5
		white	60 m	H-00658-00-0-7
	End caps EPDM for compound system drip rail 22/22	light brown	100 pairs	H-00659-00-0-5
		black	100 pairs	H-00659-00-0-6
		white	100 pairs	H-00659-00-0-7



Drip rails for timber windows with 25 mm rebate

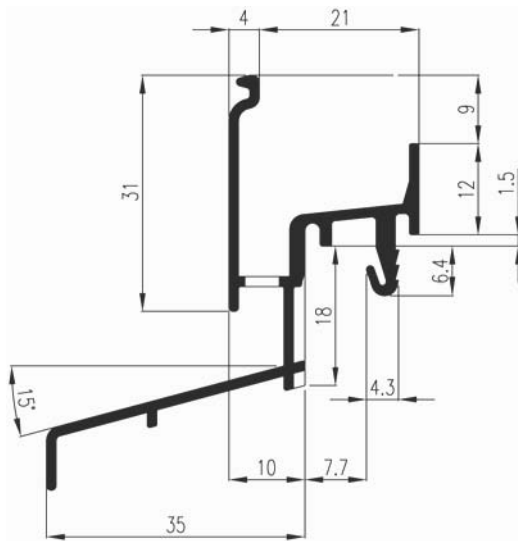


Large capacity drip rail 25/0 G
H-00060-00-0-*

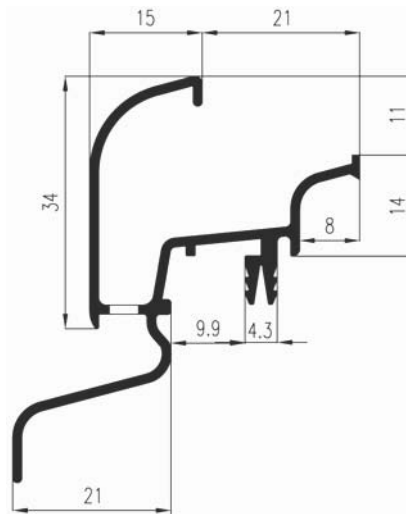
Large capacity drip rail 25/31 G
H-00060-31-0-*

Drip rails with fixing leg for timber windows with 25 mm rebate

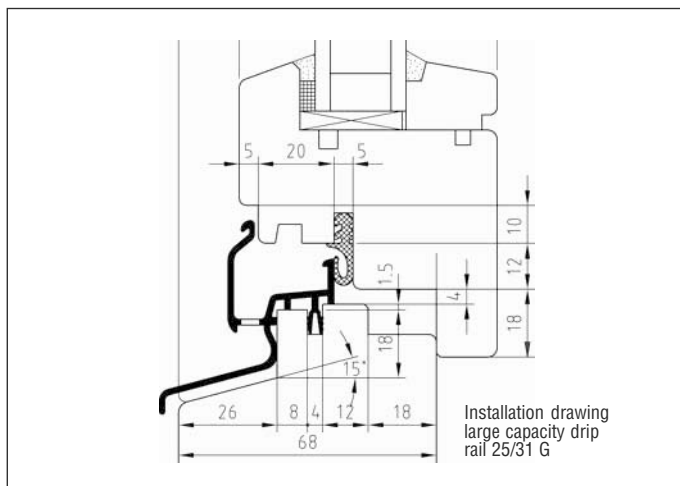
PG	Description	Finish	PU	Order Number
YP	Large capacity drip rail 25/0 G without projection	EV 1	108 m	H-00060-00-0-1
		brown	108 m	H-00060-00-0-5
		white	108 m	H-00060-00-0-7
	End caps EPDM for large capacity drip rail 25/0 G	light brown	100 pairs	H-00067-00-0-5
		black	100 pairs	H-00067-00-0-6
		white	100 pairs	H-00067-00-0-7
YP	Large capacity drip rail 25/31 G with 31 mm projection	EV 1	48 m	H-00060-31-0-1
		brown	48 m	H-00060-31-0-5
		white	48 m	H-00060-31-0-7
	End caps EPDM for large capacity drip rail 25/31 G and threshold 25/31 S	light brown	100 pairs	H-00067-31-0-5
		black	100 pairs	H-00067-31-0-6
		white	100 pairs	H-00067-31-0-7
YP	Drip rail 25/35 with 35 mm projection	EV 1	60 m	H-00660-00-0-1
		brown	60 m	H-00660-00-0-5
		white	60 m	H-00660-00-0-7
	End caps EPDM for drip rail 25/35	light brown	100 pairs	H-00661-00-0-5
		black	100 pairs	H-00661-00-0-6
		white	100 pairs	H-00661-00-0-7
YP	Compound system drip rail with 21 mm projection	EV 1	60 m	H-00665-00-0-1
		brown	60 m	H-00665-00-0-5
		white	60 m	H-00665-00-0-7
	End caps EPDM for compound system drip rail 25/21	light brown	100 pairs	H-00666-00-0-5
		black	100 pairs	H-00666-00-0-6
		white	100 pairs	H-00666-00-0-7



Drip rail 25/35
H-00660-00-0-*

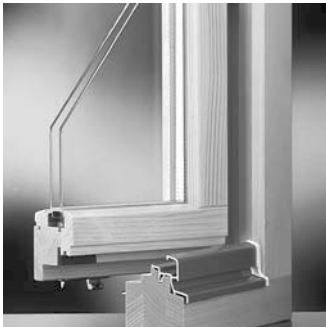


Compound system drip rail 25/21
H-00665-00-0-*



Installation drawing
large capacity drip
rail 25/31 G

Drip rails with thermal break for timber windows with 22 and 25 mm rebates



Advantages

Drip rails with thermal break

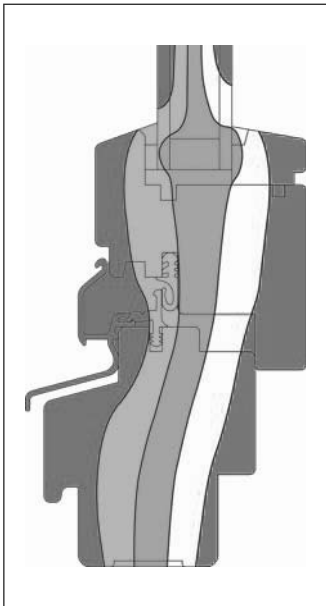
- large water collection chamber for optimum water drainage
- thermal break reduces loss of heat
- use of existing milling tools
- longlasting protection due to injection channel in end cap
- better sealing of end caps
- elegant, rounded design

Drip rails with thermal break for timber windows with 22 mm rebate

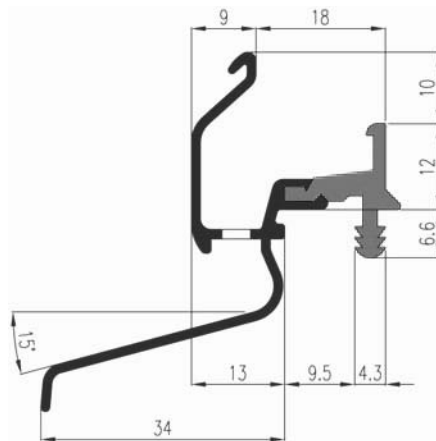
PG	Description	Finish	PU	Order Number
YP	Thermo drip rail 22/34 G with 34 mm projection	EV 1 brown	48 m	H-00057-30-0-1
		white	48 m	H-00057-30-0-5
		white	48 m	H-00057-30-0-7
	End caps EPDM for thermo drip rail 22/34 G	light brown	100 pairs	H-00689-34-0-5
		black	100 pairs	H-00689-34-0-6
		white	100 pairs	H-00689-34-0-7

Drip rails with thermal break for timber windows with 25 mm rebate

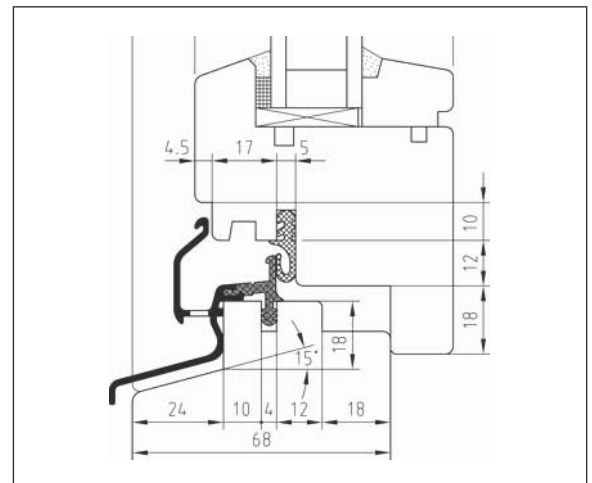
PG	Description	Finish	PU	Order Number
YP	Thermo drip rail 25/31 G with 31 mm projection	EV 1 brown	48 m	H-00061-31-0-1
		white	48 m	H-00061-31-0-5
		white	48 m	H-00061-31-0-7
	End caps EPDM for thermo drip rail 25/31 G and threshold 25/31 S	light brown	100 pairs	H-00067-31-0-5
		black	100 pairs	H-00067-31-0-6
		white	100 pairs	H-00067-31-0-7
YP	Thermo drip rail 25/35 with 35 mm projection	EV 1 brown	60 m	H-00662-00-0-1
		white	60 m	H-00662-00-0-5
		white	60 m	H-00662-00-0-7
	End caps EPDM for thermo drip rail 25/35 and drip rail 25/35	light brown	100 pairs	H-00661-00-0-5
		black	100 pairs	H-00661-00-0-6
		white	100 pairs	H-00661-00-0-7



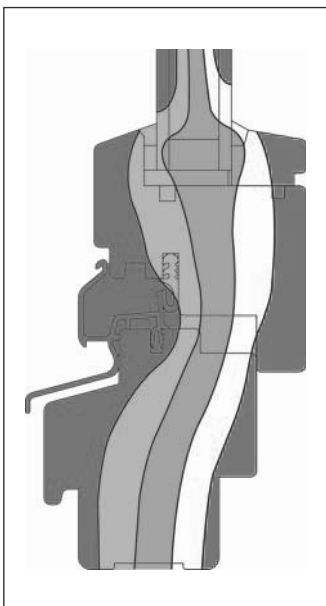
Outside temperature - 10°C
Isotherms with thermo drip rail



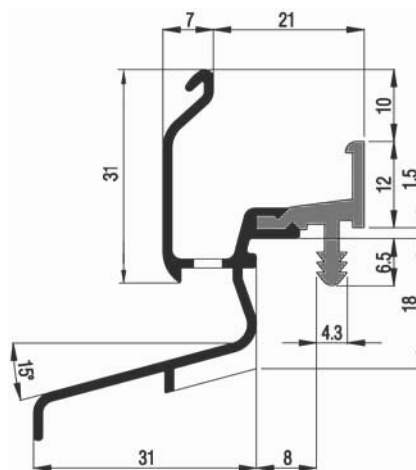
Thermo drip rail 22/34 G
H-00057-30-0-*



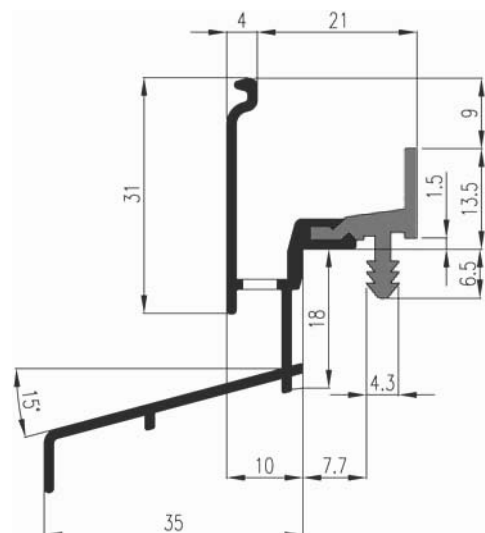
Installation drawing
thermo drip rail 22/34 G



Outside temperature - 10°C
Isotherms with conventional drip rail



Thermo drip rail 25/31 G
H-00061-31-0-*



Thermo drip rail 25/35
H-00662-00-0-*

Balcony/terrace thresholds for timber doors with 22 mm rebate



Advantages

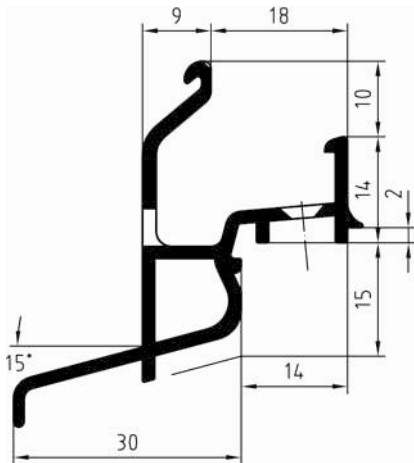
Balcony/terrace thresholds for timber doors provide a flush installation with the bottom framing member. With their trip-free edge they allow an easy passage with rollers and wheels.

The stepless floor threshold is especially suitable for kindergartens, hospitals, hotels and homes for the infirm and elderly as well as for simple terrace doors.

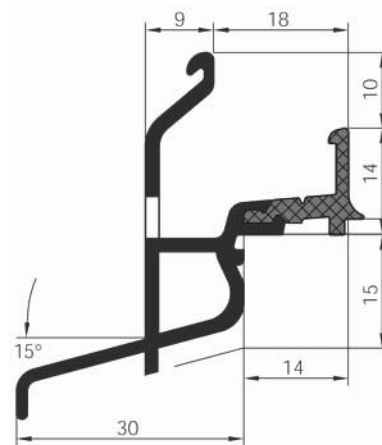
- available for systems with 22 and 25 mm rebates
- for stable tread fixing all profiles are screwed down

Screw-on balcony thresholds for timber doors with 22 mm rebate

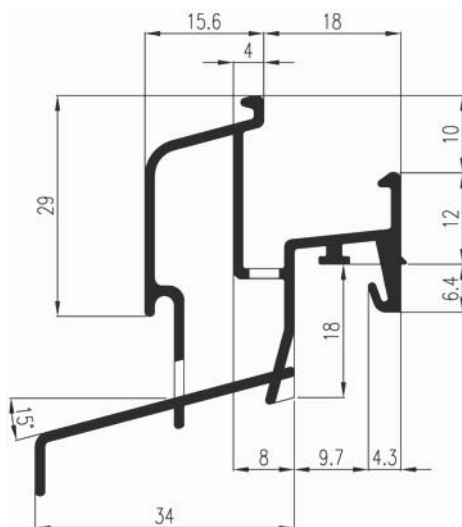
PG	Description	Finish	PU	Order Number
YP	Balcony threshold 22/30 S with 30 mm projection	EV 1 brown	48 m	H-00058-30-0-1
		white	48 m	H-00058-30-0-5
		white	48 m	H-00058-30-0-7
	Thermo threshold 22/30 S with 30 mm projection	EV 1 brown	48 m	H-00059-30-0-1
		white	48 m	H-00059-30-0-5
		white	48 m	H-00059-30-0-7
	End caps EPDM for balcony threshold 22/30 S and thermo threshold 22/30 S	light brown black white	100 pairs 100 pairs 100 pairs	H-00066-30-0-5 H-00066-30-0-6 H-00066-30-0-7
YP	Balcony threshold 22/34 K with 34 mm projection	EV 1 brown	60 m	H-00655-00-0-1
		white	60 m	H-00655-00-0-5
		white	60 m	H-00655-00-0-7
	Thermo threshold 22/34 K with 34 mm projection	EV 1 brown	60 m	H-00657-00-0-1
		white	60 m	H-00657-00-0-5
		white	60 m	H-00657-00-0-7
	End caps EPDM for balcony threshold 22/34 K and thermo threshold 22/34 K	light brown black white	100 pairs 100 pairs 100 pairs	H-00656-30-0-5 H-00656-30-0-6 H-00656-30-0-7



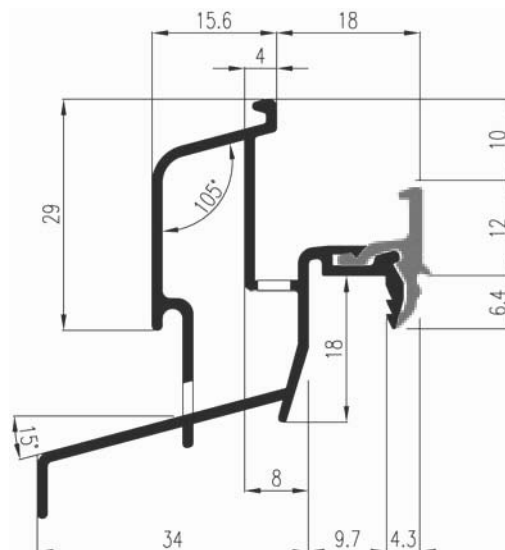
Balcony threshold 22/30 S
H-00058-30-0-*



Thermo threshold 22/30 S
H-00059-30-0-*

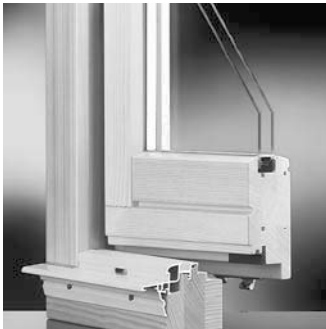


Balcony threshold 22/34 K
H-00655-00-0-*



Thermo threshold 22/34 K
H-00657-00-0-*

Balcony/terrace thresholds for timber doors with 25 mm rebate



Advantages

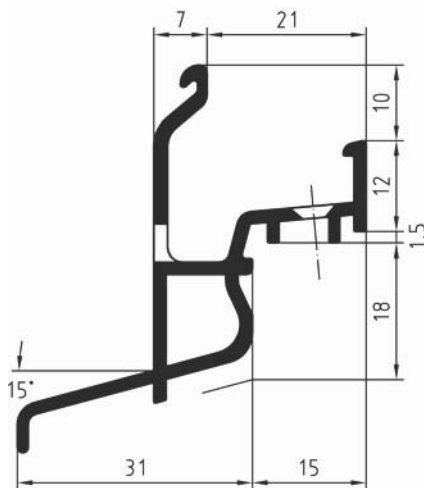
Balcony/terrace thresholds for timber doors provide a flush installation with the bottom framing member. With their trip-free edge they allow an easy passage with rollers and wheels.

The stepless floor threshold is especially suitable for kindergartens, hospitals, hotels and homes for the infirm and elderly as well as for simple terrace doors.

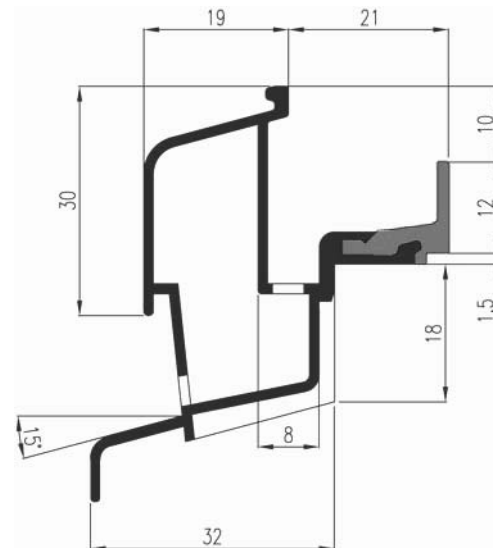
- available for systems with 22 and 25 mm rebates
- for stable tread fixing all profiles are screwed down

Screw-on balcony thresholds for timber doors with 25 mm rebate

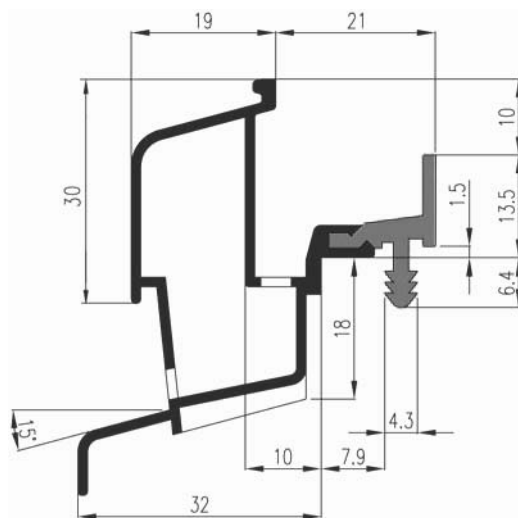
PG	Description	Finish	PU	Order Number
YP	Balcony threshold 25/31 S with 31 mm projection	EV 1	48 m	H-00062-31-0-1
		brown	48 m	H-00062-31-0-5
		white	48 m	H-00062-31-0-7
	End caps EPDM for balcony threshold 25/31 S and large capacity drip rail 25/31 G	light brown	100 pairs	H-00067-31-0-5
		black	100 pairs	H-00067-31-0-6
		white	100 pairs	H-00067-31-0-7
YP	Thermo threshold 25/32 S with 32 mm projection	EV 1	48 m	H-00063-31-0-1
		brown	48 m	H-00063-31-0-5
		white	48 m	H-00063-31-0-7
	End caps EPDM for thermo threshold 25/32 S	light brown	100 pairs	H-00667-00-0-5
		black	100 pairs	H-00667-00-0-6
		white	100 pairs	H-00667-00-0-7
YP	Thermo threshold 25/32 K with 32 mm projection	EV 1	48 m	H-00663-00-0-1
		brown	48 m	H-00663-00-0-5
		white	48 m	H-00663-00-0-7
	End caps EPDM for thermo threshold 25/32 K	light brown	100 pairs	H-00664-00-0-5
		black	100 pairs	H-00664-00-0-6
		white	100 pairs	H-00664-00-0-7



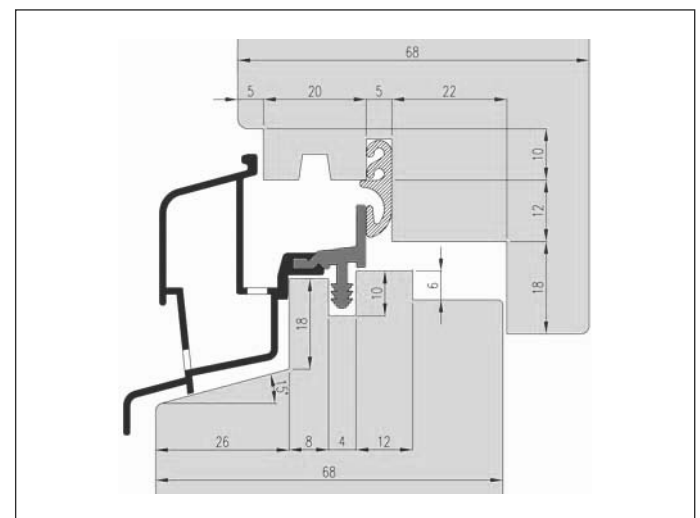
Balcony threshold 25/31 S
H-00062-31-0-*



Thermo threshold 25/32 S
H-00063-31-0-*

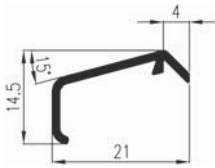


Thermo threshold 25/32 K
H-00663-00-0-*



Installation drawing
thermo threshold 25/32 K

Glazing rebate cover for timber windows and doors



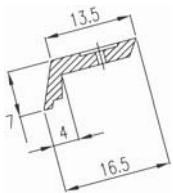
Glazing rebate cover 21
H-00668-00-0-*

Advantages

The bottom of timber door and window sashes is especially exposed to weathering. It is here where the first damage appears: rot due to dampness. G.U glazing rebate covers reliably protect this area against direct weathering.

Technical features

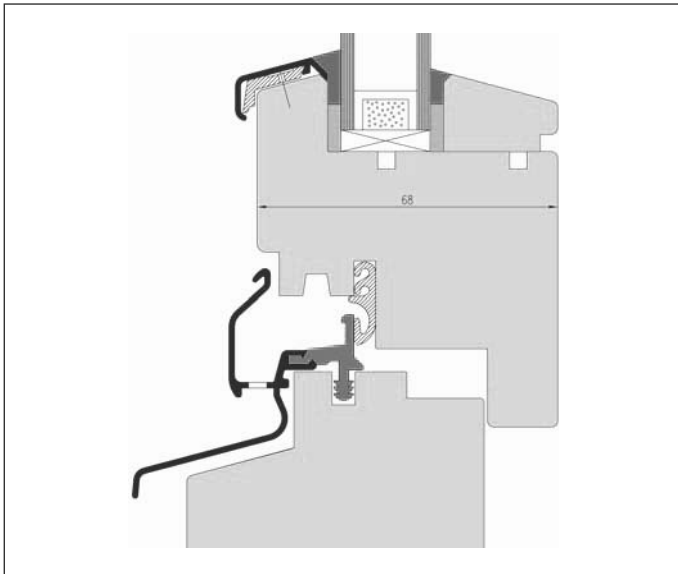
- glazing rebate cover from weatherproof aluminium
- good aeration due to sufficient distance from timber
- simply clipped on
- lateral sealing by means of EPDM end caps



Clamp 21
H-00669-00-0-0

Glazing rebate cover for timber windows and doors

PG	Description	Finish	PU	Order Number
YP	Glazing rebate cover 21	EV 1	60 m	H-00668-00-0-1
		dark bronze	60 m	H-00668-00-0-5
		white	60 m	H-00668-00-0-7
	Clamp 21		100	H-00669-00-0-0
	End caps EPDM for glazing rebate cover 21	silver	100 pairs	H-00670-00-0-1
brown		100 pairs	H-00670-00-0-5	
white		100 pairs	H-00670-00-0-7	

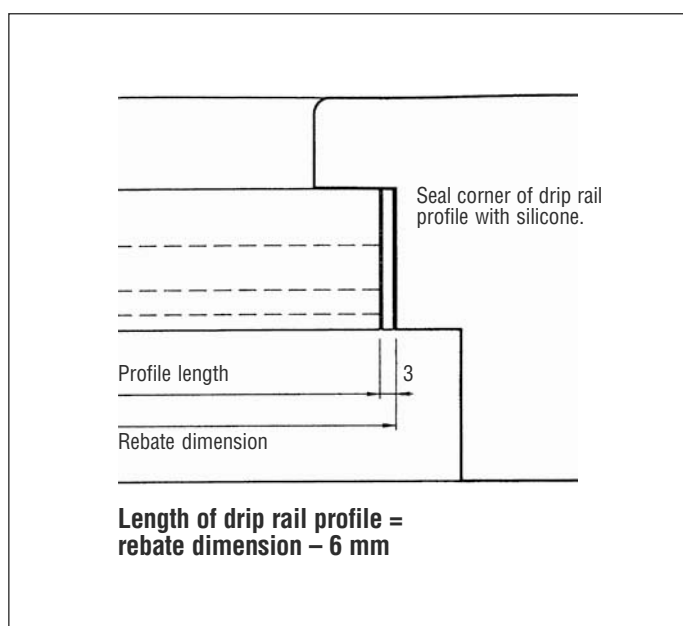


Installation drawing
glazing rebate cover 21

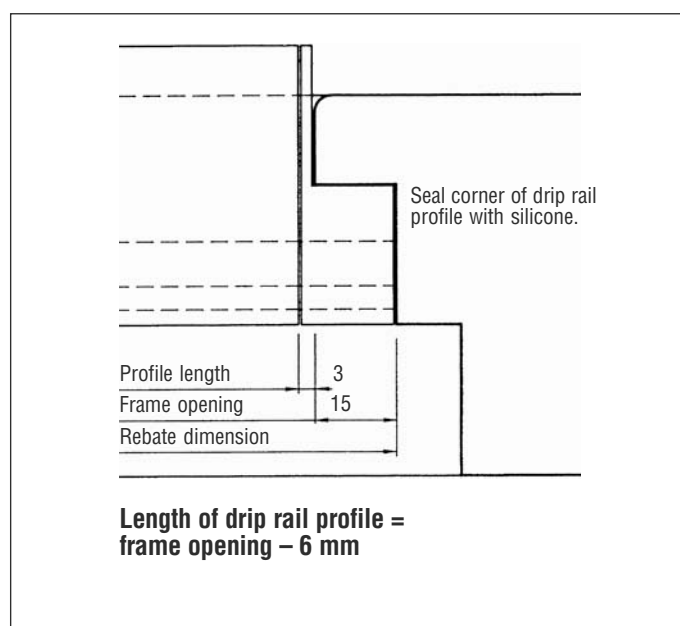
Installing EPDM end caps

Installation advice for EPDM end caps:

- When using end caps not extending into the rebates, the thickness of both end caps, in total 6 mm, should be subtracted from the distance between the extreme edges of the rebates.
- When using end caps extending into the rebates, the measurement for the weather shield profile is taken from the frame opening.
- Thus, the length of the aluminium weather shield profile is frame opening less 6 mm.
- The end caps fit exactly the weather shield profiles in the rebate and thus save any expensive "coming away" of the profile.
- These EPDM end caps are available in white, light brown and black. They are UV stable and of high flexibility.

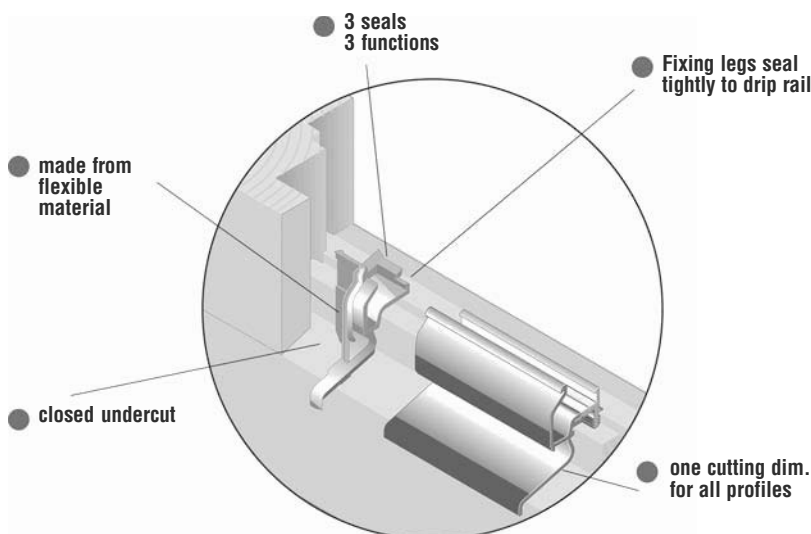


Drip rail without projection



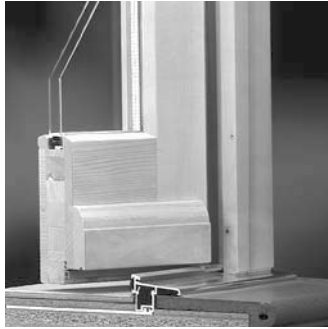
Drip rail with projection

Advantages



YP

Standard thresholds for entrance doors



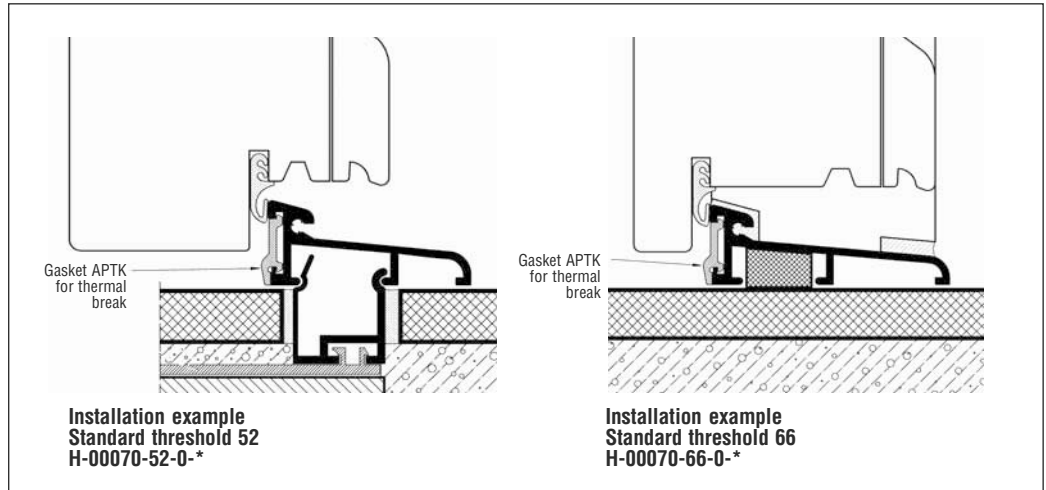
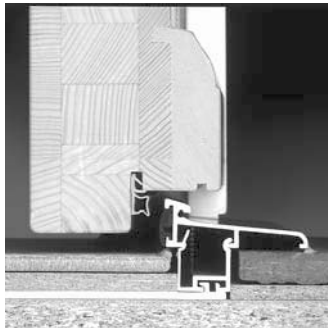
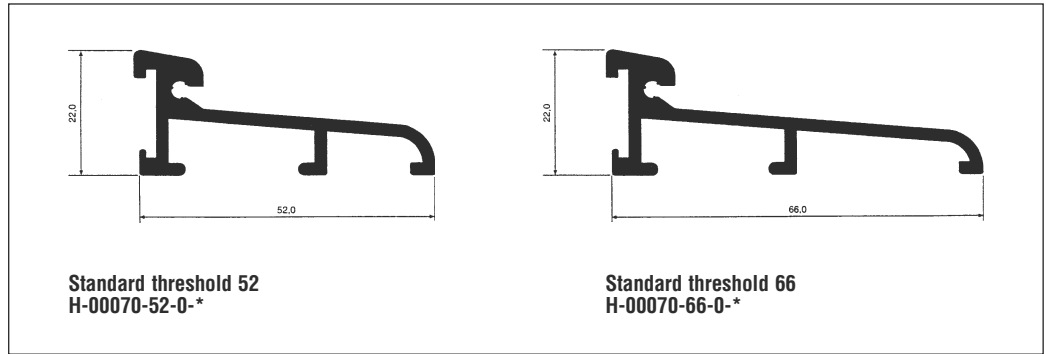
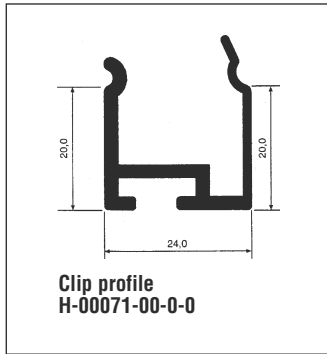
Advantages

The profiles compensate for the difference between internal and external floor level and serve as bottom stop of the entrance door.

In the case of renovation, standard thresholds are mounted on the floor covering of the old building; in new buildings they are cast in the screed together with clip profile H-00071.

Standard thresholds for entrance doors

PG	Description	Finish	PU	Order Number
YP	Standard threshold 52 mm	blank EV 1	36 m 36 m	H-00070-52-0-0 H-00070-52-0-1
YP	Standard threshold 66 mm	blank EV 1	36 m 36 m	H-00070-66-0-0 H-00070-66-0-1
YP	Clip profile for standard threshold		36 m	H-00071-00-0-0
YP	Gasket APTK for standard threshold 100 mH-00072-00-0-6			



Product group

YS

Fixings

YS

Fixings

Drill screws

Fixing hardware to PVC profiles	YS.3
Fixing hardware to PVC profiles	YS.4
Fixing hardware and metal reinforcement to PVC profiles	YS.5
Fixing hardware and metal reinforcement to PVC profiles	YS.6
Drill screws for general fixing to PVC profiles	YS.7

Wood screws

ABC Spax screw with countersunk head	YS.8
Proxi Spax screw with countersunk head	YS.8

Aluminium FDS screws

Aluminium FDS screws – secure bonding for thin metal sheet	YS.9
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Frame anchor screws

Concealed assembly of aluminium, timber and PVC frames	YS.10
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Frame anchor plugs, leveller

Frame anchor plugs for the assembly of windows and doors	YS.11
Countersunk screws for fixing handles	YS.11
Leveller	YS.11

Positioning clamp and adjustment bridge

Positioning clamp	YS.12
Adjustment bridge	YS.12

Drill screws for fixing hardware to PVC profiles



D 1

Self drilling screw for fixing hardware to PVC profiles; when fixing to steel reinforcement, predrill 3 mm Ø pilot hole using HSS drill (H-00371-30-0-0)

Features:

- double threaded with drill point
- countersunk head
- 8 - 12 µm coat



D 2

as D 1, except stainless steel



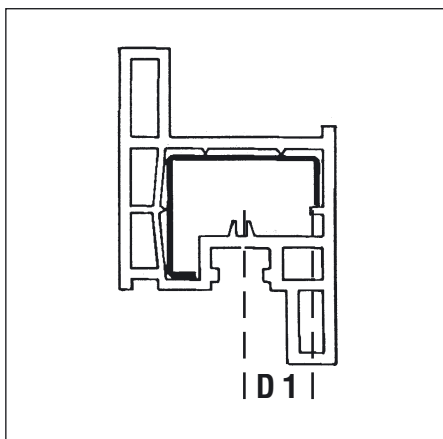
D 4

as D 1, except point with double cutting edge for steady screw turn when assembling by hand.

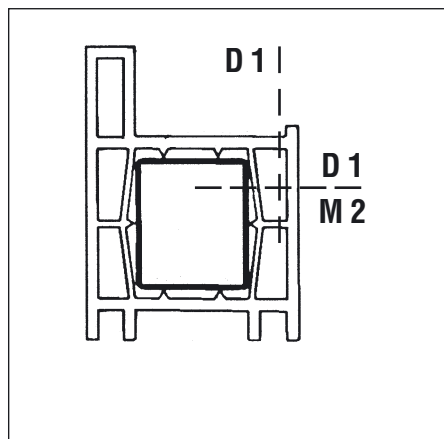
Screws for hardware fixing

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	D 1	4,2 x 16	zinc plated	1000	12	E-12562-16-0-1
		4,2 x 20	zinc plated	1000	12	E-12562-20-0-1
		4,2 x 22	zinc plated	1000	12	E-12562-22-0-1
		4,2 x 25	zinc plated	1000	12	E-12562-25-0-1
		4,2 x 30	zinc plated	1000	12	E-12562-30-0-1
		4,2 x 35	zinc plated	1000	6	E-12562-35-0-1
		4,2 x 40	zinc plated	1000	6	E-12562-40-0-1
		4,2 x 45	zinc plated	1000	4	E-12562-45-0-1
		4,2 x 55	zinc plated	1000	4	E-12562-55-0-1
		4,2 x 65	zinc plated	1000	4	E-12562-65-0-1
YS	D 1	4,2 x 16	ferGUard*silver	1000	12	E-12562-16-0-2
		4,2 x 20	ferGUard*silver	1000	12	E-12562-20-0-2
		4,2 x 22	ferGUard*silver	1000	12	E-12562-22-0-2
		4,2 x 25	ferGUard*silver	1000	12	E-12562-25-0-2
		4,2 x 30	ferGUard*silver	1000	12	E-12562-30-0-2
		4,2 x 35	ferGUard*silver	1000	6	E-12562-35-0-2
		4,2 x 40	ferGUard*silver	1000	6	E-12562-40-0-2
		4,2 x 45	ferGUard*silver	1000	4	E-12562-45-0-2
		4,2 x 55	ferGUard*silver	1000	4	E-12562-55-0-2
		YS	D 1	4,2 x 22	KTL black	1000
4,2 x 25	KTL black			1000	12	E-12562-25-0-6
4,2 x 30	KTL black			1000	12	E-12562-30-0-6
4,2 x 35	KTL black			1000	6	E-12562-35-0-6
4,2 x 45	KTL black			1000	4	E-12562-45-0-6
YS	D 1	4,2 x 16	white head	1000	12	E-14543-16-0-7
		4,2 x 25	white head	1000	12	E-14543-25-0-7
		4,2 x 30	white head	1000	12	E-14543-30-0-7
		4,2 x 35	white head	1000	6	E-14543-35-0-7
PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	D 2	4,2 x 16	V2A stainless	1000	12	E-12567-16-0-0
		4,2 x 25	V2A stainless	1000	12	E-12567-25-0-0
		4,2 x 35	V2A stainless	1000	6	E-12567-35-0-0
PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	D 4	4,2 x 16	zinc plated	1000	12	H-00241-16-0-1
		4,2 x 20	zinc plated	1000	12	H-00241-20-0-1
		4,2 x 25	zinc plated	1000	12	H-00241-25-0-1
		4,2 x 30	zinc plated	1000	12	H-00241-30-0-1
YS	D 4	4,2 x 20	white head	1000	12	H-00241-20-0-7
		4,2 x 25	white head	1000	12	H-00241-25-0-7
		4,2 x 40	white head	1000	6	H-00241-40-0-7

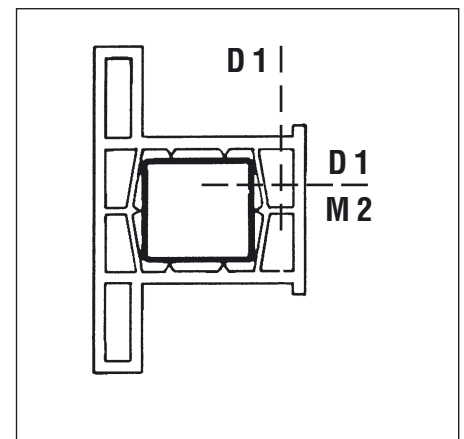
Application on sash profile



Application on frame profile



Application on glazing bar profile



Drill screws for fixing hardware to PVC profiles – service screws



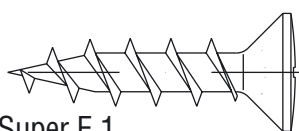
H 1

- as D1, except with 4,8 mm Ø for use as repair screw when screw D1 will not bite
- especially for heavy loading, e.g. fixing running shoes for parallel slide patios and running rails for heavier doors

Service screws

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	H 1	4,8 x 25	zinc plated	1000	12	E-12566-25-0-1
		4,8 x 30	zinc plated	1000	12	E-12566-30-0-1
		4,8 x 38	zinc plated	1000	6	E-12566-38-0-1
YS	H 1	4,8 x 25	ferGUard* silver	1000	12	E-12566-25-0-2
		4,8 x 30	ferGUard* silver	1000	12	E-12566-30-0-2
		4,8 x 38	ferGUard* silver	1000	6	E-12566-38-0-2

Economy screws for fixing hardware and metal reinforcement to PVC profiles



Super E 1

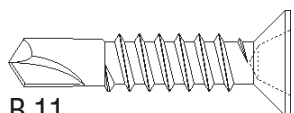
Self drilling screw for fixing hardware to PVC profiles; when fixing to steel reinforcement, predrill Ø 3 mm pilot hole using HSD-bit (H-00371-30-0-0).

Characteristics:

- single threaded with helix point
- countersunk head
- Ph2 drive
- 5-8 µm coating

Screws for fixing hardware and metal reinforcement to PVC profiles

PG	Type	Dim. mm	Finish	Quantity/PU	Order Number
YSE	Super E 1	4,2 x 20	zinc plated	1000	H-00198-20-0-1
		4,2 x 22	zinc plated	1000	H-00198-22-0-1
		4,2 x 25	zinc plated	1000	H-00198-25-0-1
		4,2 x 30	zinc plated	1000	H-00198-30-0-1
		4,2 x 35	zinc plated	1000	H-00198-35-0-1
		4,2 x 45	zinc plated	1000	H-00198-45-0-1
YSE	Super E 1	4,2 x 20	ferGUard* silver	1000	H-00198-20-0-2
		4,2 x 22	ferGUard* silver	1000	H-00198-22-0-2
		4,2 x 25	ferGUard* silver	1000	H-00198-25-0-2
		4,2 x 30	ferGUard* silver	1000	H-00198-30-0-2
		4,2 x 35	ferGUard* silver	1000	H-00198-35-0-2
		4,2 x 45	ferGUard* silver	1000	H-00198-45-0-2



B 11

Drilling screw for quick fixing through PVC and steel.

Self drilling up to 2 mm reinforcement.

Characteristic:

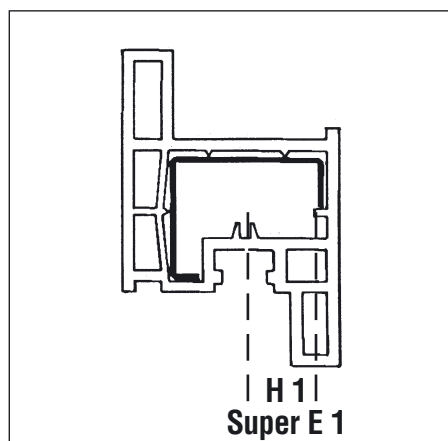
- threaded for sheet metal
- long drill point, 4,5 mm
- countersunk head 90°, Ø 7,2 mm
- Ph2 drive
- 3-8 µm coating

PG	Type	Dim. mm	Finish	Quantity/PU	Order Number
YSE	B 11	3,9 x 13	zinc plated	2000	H-00248-13-0-1
		3,9 x 16	zinc plated	2000	H-00248-16-0-1
		3,9 x 19	zinc plated	2000	H-00248-19-0-1
		3,9 x 22	zinc plated	2000	H-00248-22-0-1
		3,9 x 25	zinc plated	2000	H-00248-25-0-1
		3,9 x 32	zinc plated	1000	H-00248-32-0-1
YSE	B 12	3,9 x 13	zinc plated	2000	H-00249-13-0-1
		3,9 x 16	zinc plated	2000	H-00249-16-0-1
		3,9 x 19	zinc plated	2000	H-00249-19-0-1

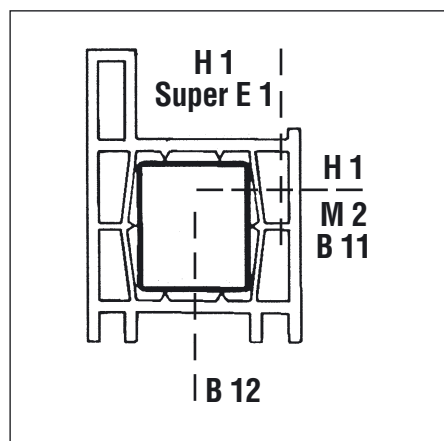
B 12

With milling ribs for optimum countersinking in the material.

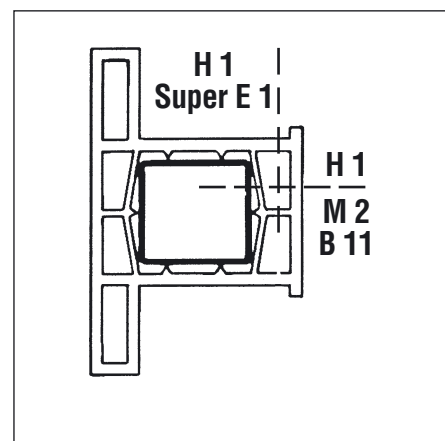
Application on sash profile



Application on frame profile



Application on glazing bar profile



Drill screws for fixing hardware and metal reinforcement to PVC profiles



M 1

- metric thread for controlled turning into multichamber profiles
- drill point
- hardware fixing also in steel reinforcement up to 2 mm without predrilling
- 5-8 µm coat



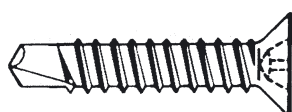
M 2

as M 1, except with countersunk head



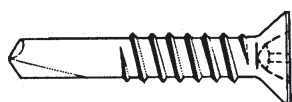
M 3

as M 2, except with facets below the head for easier sinking of the screw head in thin-walled PVC profiles



B 1

- threaded for sheet metal
- drill point
- countersunk head
- fixing metal reinforcement with thin PVC wall
- 5-8 µm coat



B 2

- as B 1, except longer drill point to prevent too early fix to PVC
- fixing metal reinforcement with larger gap between reinforcement and PVC outside wall

Screws for fixing hardware and metal reinforcement to PVC profiles

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	M 1	M 4 x 13	zinc plated	1000	12	E-12573-13-0-1
		M 4 x 16	zinc plated	1000	12	E-12573-16-0-1

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	M 2	M 4 x 13	zinc plated	1000	12	E-12575-13-0-1
		M 4 x 16	zinc plated	1000	12	E-12575-16-0-1
		M 4 x 19	zinc plated	1000	12	E-12575-19-0-1
		M 4 x 22	zinc plated	1000	12	E-12575-22-0-1
		M 4 x 25	zinc plated	1000	12	E-12575-25-0-1
		M 4 x 32	zinc plated	1000	12	E-12575-32-0-1
		M 4 x 38	zinc plated	1000	6	E-12575-38-0-1

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	M 3	M 4 x 13	bichromated	1000	12	E-12574-13-0-3
		M 4 x 16	bichromated	1000	12	E-12574-16-0-3
		M 4 x 19	bichromated	1000	12	E-12574-19-0-3

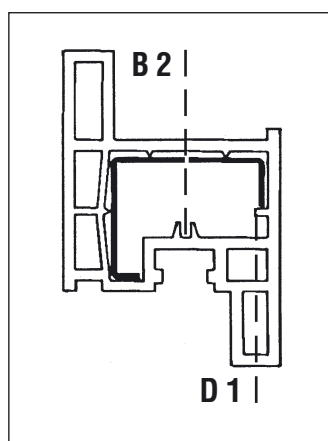
PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	B 1	3,9 x 13	zinc plated	1000	12	E-12563-13-0-1
		3,9 x 16	zinc plated	1000	12	E-12563-16-0-1
		3,9 x 19	zinc plated	1000	12	E-12563-19-0-1
		3,9 x 22	zinc plated	1000	12	E-12563-22-0-1
		3,9 x 25	zinc plated	1000	12	E-12563-25-0-1
		3,9 x 32	zinc plated	1000	12	E-12563-32-0-1
		3,9 x 38	zinc plated	1000	6	E-12563-38-0-1

YS	B 1	3,9 x 13	ferGUard*silver	1000	12	E-12563-13-0-2
		3,9 x 16	ferGUard*silver	1000	12	E-12563-16-0-2
		3,9 x 19	ferGUard*silver	1000	12	E-12563-19-0-2
		3,9 x 22	ferGUard*silver	1000	12	E-12563-22-0-2
		3,9 x 25	ferGUard*silver	1000	12	E-12563-25-0-2
		3,9 x 32	ferGUard*silver	1000	12	E-12563-32-0-2
		3,9 x 38	ferGUard*silver	1000	6	E-12563-38-0-2

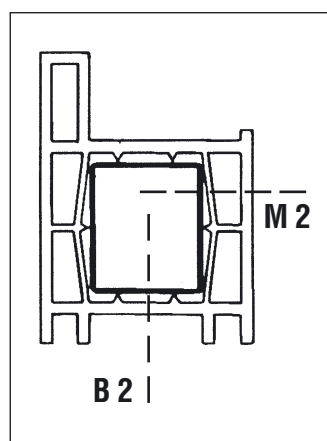
YS	B 1	3,9 x 25	KTL black	1000	12	E-12563-25-0-6
		3,9 x 32	KTL black	1000	12	E-12563-32-0-6
YS	B 1	3,9 x 25	white head	1000	12	E-15165-25-0-7
		3,9 x 32	white head	1000	12	E-15165-32-0-7

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	B 2	3,9 x 16	zinc plated	1000	12	E-12569-16-0-1
		3,9 x 19	zinc plated	1000	12	E-12569-19-0-1

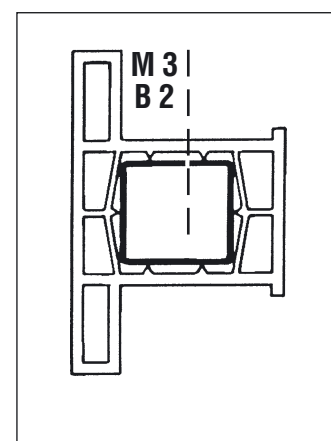
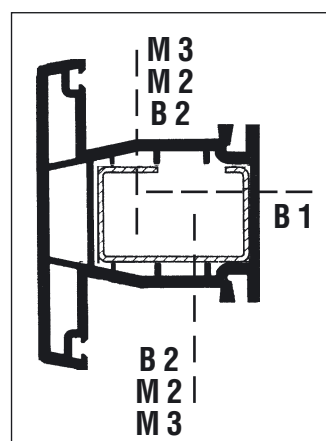
Application on sash profile



Application on frame profile

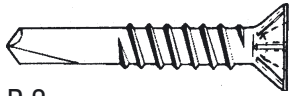


Application on glazing bar profile

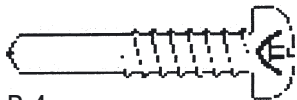


Drill screws for fixing hardware and metal reinforcement to PVC profiles

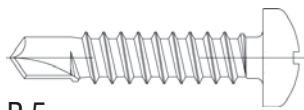
Screws for fixing hardware and metal reinforcement to PVC profiles



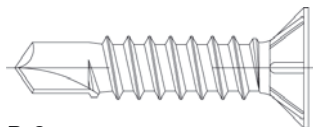
B 3
as B 2, except with ribs under the head:
eases the countersinking of the screw head with thin-walled steel profiles which lie directly under the PVC wall



B 4
as B 2, except with cap head



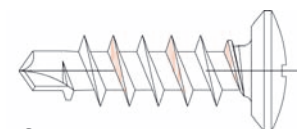
B 5
as B 4, except with short drill point



B 6
as B 3, except with short drill point



DD 1
hardware fixing with material combination PVC/steel without gap
- double threaded
- drill point
- countersunk head



FS
special countersunk head for the assembly of friction stay arms on sashes with small rebate clearance

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	B 3	3,9 x 16	zinc plated	1000	12	E-12571-16-0-1
		3,9 x 19	zinc plated	1000	12	E-12571-19-0-1

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	B 4	3,5 x 13	zinc plated	1000	12	E-12597-13-0-1
YS	B 4	3,9 x 16	zinc plated	1000	12	E-12570-16-0-1
		3,9 x 19	zinc plated	1000	12	E-12570-19-0-1

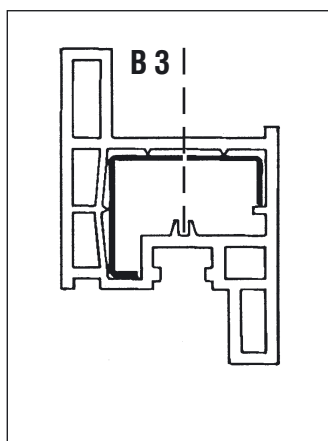
PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	B 5	3,9 x 13	zinc plated	1000	12	H-00242-13-0-1
		3,9 x 19	zinc plated	1000	12	H-00242-19-0-1

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	B 6	3,9 x 13	zinc plated	1000	12	H-00243-13-0-1
		3,9 x 16	zinc plated	1000	12	H-00243-16-0-1
		3,9 x 19	zinc plated	1000	12	H-00243-19-0-1

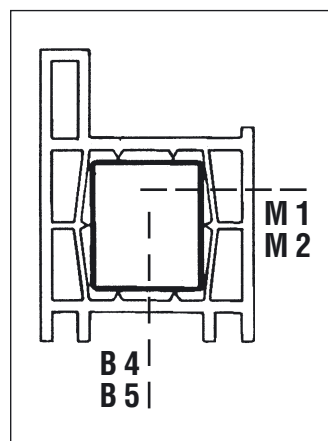
PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	DD 1	4,2 x 16	zinc plated	1000	12	E-12568-16-0-1
		4,2 x 19	zinc plated	1000	12	E-12568-19-0-1
		4,2 x 22	zinc plated	1000	12	E-12568-22-0-1
		4,2 x 25	zinc plated	1000	12	E-12568-25-0-1
		4,2 x 27	zinc plated	1000	12	E-12568-27-0-1
		4,2 x 30	zinc plated	1000	12	E-12568-30-0-1
		4,2 x 45	zinc plated	1000	4	E-12568-45-0-1
YS	DD 1	4,2 x 36	white head	1000	6	E-12568-36-0-7

PG	Type	Dim. mm	Execution of point	Quantity/PU	PU/ Carton	Order Number
YS	FS	4,8 x 13	drill - V2A	1000	12	H-00239-13-0-8
		4,8 x 16	drill - V2A	1000	12	H-00239-16-0-8
		4,8 x 23	drill - V2A	1000	12	H-00239-23-0-8
YS	FS	4,8 x 16	drill - duplex	1000	12	H-00239-16-0-1
YS	FS	4,8 x 16	thread - V2A	1000	12	H-00240-16-0-8
		4,8 x 23	thread - V2A	1000	12	H-00240-23-0-8

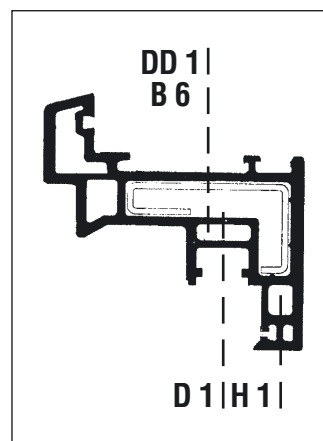
Application on sash profile



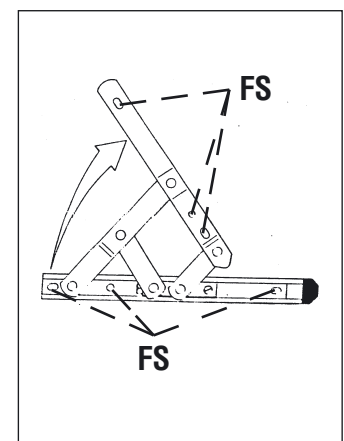
Application on frame profile



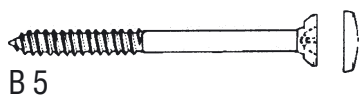
Application on sash profile



Turn-slide bearing



Drill screws for general fixing to PVC profiles



B 5

- threaded for sheet metal
- cap head
- predrill 4 mm Ø



H 2

- for fixing PVC profiles to wood
- double threaded
 - cap head

Drill screws for general fixing to PVC profiles

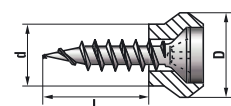
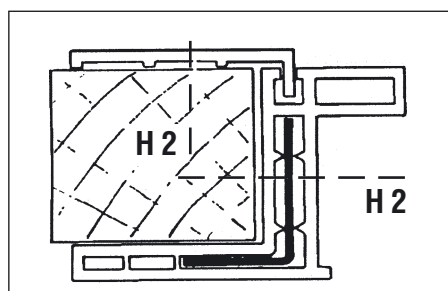
PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
Coupling screw						
YS	B 5	4,8 x 55	zinc plated	100	12	E-12576-55-0-1
		4,8 x 65	zinc plated	100	12	E-12576-65-0-1
		4,8 x 80	zinc plated	100	12	E-12576-80-0-1
		4,8 x 95	zinc plated	100	6	E-12576-95-0-1
YS	H 2	5,3 x 45	zinc plated	100	12	E-12577-45-0-1
		5,3 x 55	zinc plated	100	12	E-12577-55-0-1
		5,3 x 65	zinc plated	100	12	E-12577-65-0-1
		5,3 x 80	zinc plated	100	12	E-12577-80-0-1
		5,3 x 95	zinc plated	100	6	E-12577-95-0-1

Complimentary snap-on covers, white or optional brown.

Covers

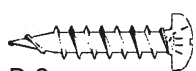
PG	Description	Colour	PU	Order Number
YS	Covers for B 5, H 2 and BE 2	brown	1000	H-00396-00-0-5
		black	1000	H-00396-00-0-6
		white	1000	H-00396-00-0-7

Application on frame profile



D C

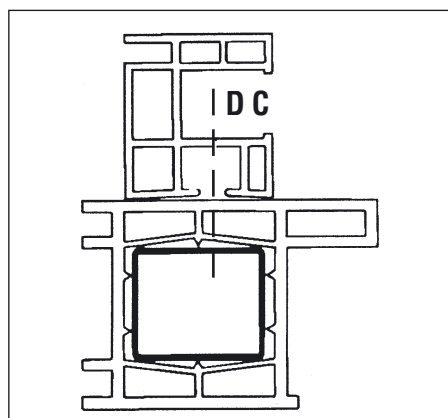
- double threaded
- helix point
- shaped head from PVC



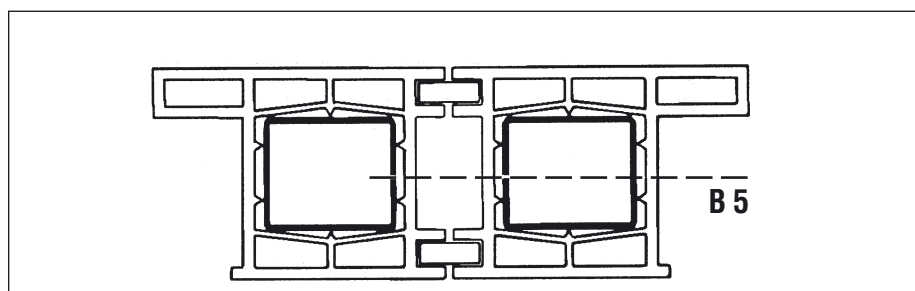
D 3

- double threaded
- helix point
- cap head

Application on shutter guiding profile



Application when coupling two elements



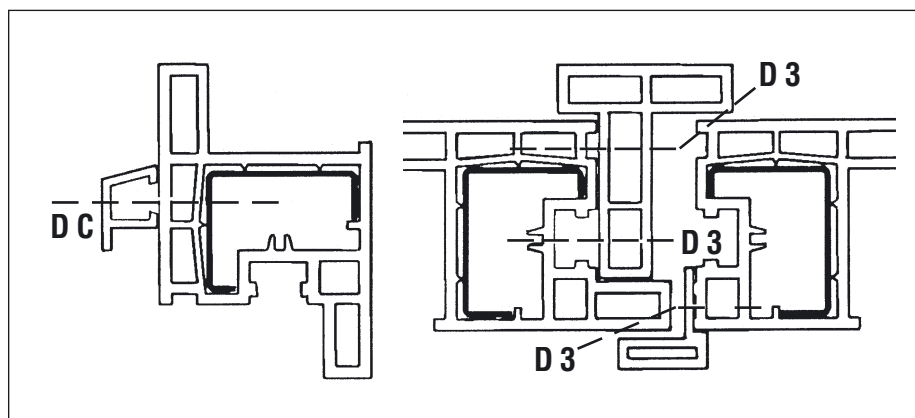
Screw for shutters, drip rails and additional profiles

PG	Typ	Dim. mm D / d / L	Finish	Quantity/PU	PU/ Carton	Order Number
YS	D C	9,5 / 6,8 / 9,0	bichromated	1000	12	E-12578-01-0-3
		10,5 / 7,4 / 13,0	bichromated	1000	12	E-12578-02-0-3
		12,0 / 8,4 / 12,0	bichromated	1000	12	E-12578-03-0-3
		11,0 / 8,6 / 10,0	bichromated	1000	12	E-12578-04-0-3
		11,0 / 8,4 / 12,0	bichromated	1000	12	E-12578-05-0-3
		9,5 / 6,8 / 12,0	bichromated	1000	12	E-12578-06-0-3

Mullion fixing screw

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YS	D 3	4,8 x 30	zinc plated	1000	6	E-13931-30-0-1
		4,8 x 55	zinc plated	1000	4	E-13931-55-0-1
		4,2 x 13	zinc plated	1000	12	E-13931-13-0-1

Application on drip rail and rebated profile

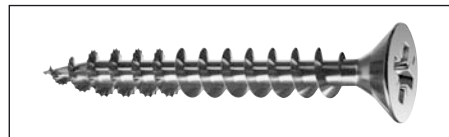


ABC Spax screw with countersunk head



SPAX[®]-S

ABC Spax screw with countersunk head



ABC Spax screw with countersunk head

Product information

Extra hard screw threads and tough centre

- full strength screwing into different materials without predrilling

Finish

- new plastic coating for smooth, easy screwing

With patented "wave cutter" on point

- considerably reduced screwing time
- higher pull-out load

Universal application in:

- hard and soft wood
- MDF
- plastics
- thin metal sheet and profile
- hardware fixing to timber elements

PG	Description	Dim. mm	Finish	PU	Order Number
YSH	ABC Spax screw countersunk head	3,0 x 15	zinc plated	1000	H-00108-15-0-1
		3,0 x 20	zinc plated	1000	H-00108-20-0-1
		3,0 x 25	zinc plated	1000	H-00108-25-0-1
		3,0 x 30	zinc plated	1000	H-00108-30-0-1
		3,0 x 35	zinc plated	1000	H-00108-35-0-1
YSH	ABC Spax screw countersunk head	3,0 x 40	zinc plated	1000	H-00108-40-0-1
		3,5 x 15	zinc plated	1000	H-00109-15-0-1
		3,5 x 20	zinc plated	1000	H-00109-20-0-1
		3,5 x 25	zinc plated	1000	H-00109-25-0-1
		3,5 x 30	zinc plated	1000	H-00109-30-0-1
YSH	ABC Spax screw countersunk head	3,5 x 35	zinc plated	1000	H-00109-35-0-1
		3,5 x 40	zinc plated	1000	H-00109-40-0-1
		4,0 x 15	zinc plated	1000	H-00110-15-0-1
		4,0 x 20	zinc plated	1000	H-00110-20-0-1
		4,0 x 25	zinc plated	1000	H-00110-25-0-1
YSH	ABC Spax screw countersunk head	4,0 x 30	zinc plated	1000	H-00110-30-0-1
		4,0 x 35	zinc plated	1000	H-00110-35-0-1
		4,0 x 40	zinc plated	1000	H-00110-40-0-1
		4,0 x 30	zinc plated	1000	H-00195-30-0-1
		4,0 x 35	zinc plated	1000	H-00195-35-0-1
YSH	ABC Spax screw partly threaded	4,0 x 40	zinc plated	1000	H-00195-40-0-1
		4,5 x 25	zinc plated	1000	H-00111-25-0-1
		4,5 x 30	zinc plated	1000	H-00111-30-0-1
YSH	ABC Spax screw countersunk head	4,5 x 35	zinc plated	500	H-00111-35-0-1
		4,5 x 40	zinc plated	500	H-00111-40-0-1
		4,5 x 45	zinc plated	500	H-00111-45-0-1
		4,5 x 50	zinc plated	500	H-00111-50-0-1
		5,0 x 30	zinc plated	500	H-00112-30-0-1
YSH	ABC Spax screw countersunk head	5,0 x 35	zinc plated	500	H-00112-35-0-1
		5,0 x 40	zinc plated	500	H-00112-40-0-1
		5,0 x 45	zinc plated	500	H-00112-45-0-1
		5,0 x 50	zinc plated	500	H-00112-50-0-1
		5,0 x 60	zinc plated	500	H-00112-60-0-1
		5,0 x 70	zinc plated	200	H-00112-70-0-1

Proxi Spax



Proxi Spax screw with countersunk head

Product information

Thread-cutting screws

- self-tapping thread
- countersunk head 90° ± 3°
- standard POZI drive

Finish

- 3 to 5 µm coating with gliding layer

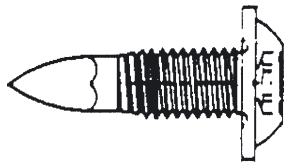
Proxi Spax screw with countersunk head

PG	Description	Dim. mm	Finish	PU	Order Number
YSH	Proxi Spax screw countersunk head	3,0 x 30	zinc plated	1000	H-00645-30-0-3
		3,0 x 35	zinc plated	1000	H-00645-35-0-3
		3,0 x 40 partly threaded	zinc plated	1000	H-00645-40-T-3
YSH	Proxi Spax screw countersunk head	3,5 x 30	zinc plated	1000	H-00646-30-0-3
		3,5 x 35	zinc plated	1000	H-00646-35-0-3
		3,5 x 40 partly threaded	zinc plated	1000	H-00646-40-T-3
YSH	Proxi Spax screw countersunk head	4,0 x 25	zinc plated	1000	H-00213-25-0-3
		4,0 x 30	zinc plated	1000	H-00213-30-0-3
		4,0 x 35	zinc plated	1000	H-00213-35-0-3
		4,0 x 40 partly threaded	zinc plated	1000	H-00213-40-T-3
YSH	Proxi Spax screw countersunk head	4,5 x 25	zinc plated	1000	H-00647-25-0-3
		4,5 x 30	zinc plated	1000	H-00647-30-0-3
		4,5 x 35	zinc plated	500	H-00647-35-0-3
		4,5 x 40 partly threaded	zinc plated	500	H-00647-40-T-3
		4,5 x 45 partly threaded	zinc plated	500	H-00647-45-T-3
YSH	Proxi Spax screw countersunk head	5,0 x 60 partly threaded	zinc plated	500	H-00214-60-T-3
		5,0 x 100 partly threaded	zinc plated	200	H-00214-10-T-3
YSH	Proxi Spax screw countersunk head	6,0 x 80 partly threaded	zinc plated	200	H-00215-80-T-3

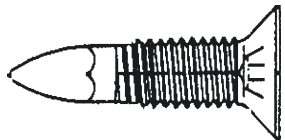
Plug-in bits

YW	Plug-in bit, pozi head	size 1, 25 mm	titan	10	H-00113-01-0-0
		size 2, 25 mm	titan	10	H-00113-02-0-0
		size 3, 25 mm	titan	10	H-00113-03-0-0
YW	Plug-in bit, pozi head	size 1, 50 mm	titan	10	H-00114-01-0-0
		size 2, 50 mm	titan	10	H-00114-02-0-0
		size 3, 50 mm	titan	10	H-00114-03-0-0
YW	Plug-in bit, phil head	size 3, 25 mm	titan	10	H-00115-03-0-0
		size 3, 50 mm	titan	10	H-00116-03-0-0

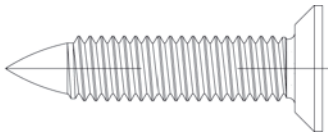
Aluminium FDS screws – secure bonding for metal sheets



FDS 1 screw, flat head
H-00158-20-0-0



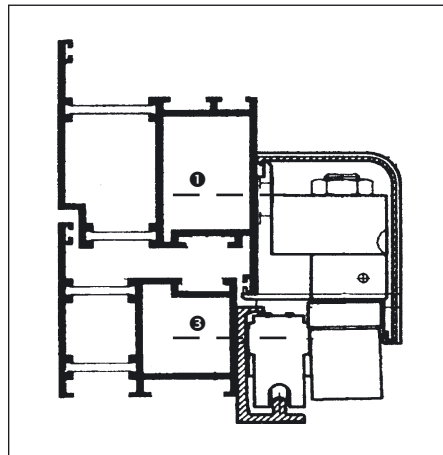
FDS 2 screw, countersunk head
H-00159-20-0-0



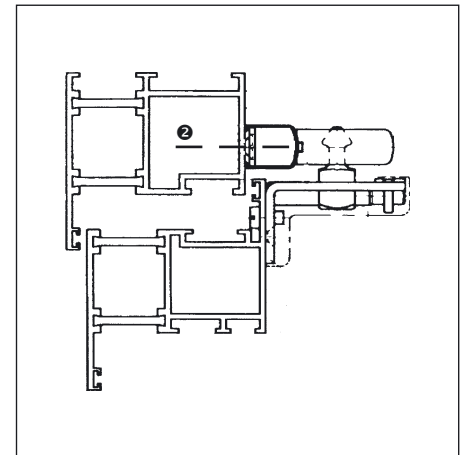
FDS 3 screw, countersunk head
H-00216-20-0-0

Aluminium FDS screws – secure bonding for metal sheets

PG	Description	Dim. mm	Finish	PU	Order Number
YS	FDS 1 screw, flat head ❶	M 5 x 20	V2A	100	H-00158-20-0-0
	FDS 2 screw, countersunk head ❷	M 4 x 20	V2A	100	H-00159-20-0-0
	FDS 3 screw, countersunk head ❸	M 4 x 20	V2A	100	H-00216-20-0-0



Mounting runners and gliding rail of a parallel slide and tilt fitting



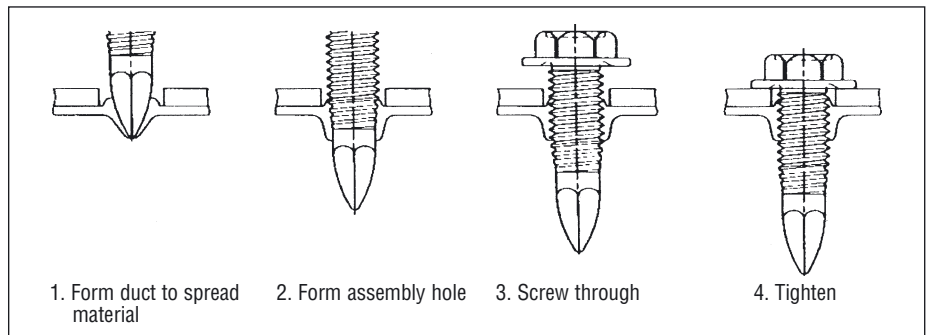
Mounting stays and sash brackets on fanlight opener VENTUS F 200

FDS 3 screw

- V2A screw
- with yet more grading under the screw head than FDS 2 – for still deeper sinking of the screw before it hits spread material

Tools

Screwing with PH-2 Bit
H-00354-02-0-0



FDS screwing process

Secure bonding for thin sheet metal

- Preparations such as predrilling with 3 mm Ø HSS drill, order number H-00371-30-0-0, are made easier by using G.U jigs.
- By forming the assembly hole no material is lost, i.e. no swarf is formed.
- 2 - 3 full metric thread turns are furrowed in the area of the duct, thus providing greater thrust load and also higher resistance against extraction.
- The subsequent shrinking of the cooling duct provides better release time and consequently high vibration security.

Frame anchor screws for the concealed assembly of aluminium, timber and PVC frames

Screws for the assembly of aluminium and PVC frames

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YSR	BE 1	7,5 x 40	zinc plated	100	12	E-15303-04-0-1
		7,5 x 60	zinc plated	100	12	E-15303-06-0-1
		7,5 x 80	zinc plated	100	12	E-15303-08-0-1
		7,5 x 100	zinc plated	100	6	E-15303-10-0-1
		7,5 x 120	zinc plated	100	6	E-15303-12-0-1
		7,5 x 140	zinc plated	100	4	H-00117-14-0-1
		7,5 x 160	zinc plated	100	4	H-00117-16-0-1
		7,5 x 180	zinc plated	100	4	E-15303-18-0-1

BE 1

- Ø 11,5 mm countersunk head
- TORX 30
- double threaded
- threaded point with reduced diameter
- predrilling Ø 6,2 mm required

Screws for the assembly of timber frames

PG	Type	Dim. mm	Finish	Quantity/PU	PU/ Carton	Order Number
YSR	BE 2	7,5 x 40	zinc plated	100	12	E-18118-04-0-1
		7,5 x 60	zinc plated	100	12	E-18118-06-0-1
		7,5 x 80	zinc plated	100	12	E-18118-08-0-1
		7,5 x 100	zinc plated	100	6	E-18118-10-0-1
		7,5 x 120	zinc plated	100	6	E-18118-12-0-1
		7,5 x 140	zinc plated	100	4	H-00118-14-0-1
		7,5 x 160	zinc plated	100	4	H-00118-16-0-1
		7,5 x 180	zinc plated	100	4	E-18118-18-0-1

BE 2

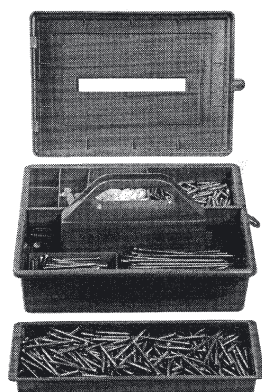
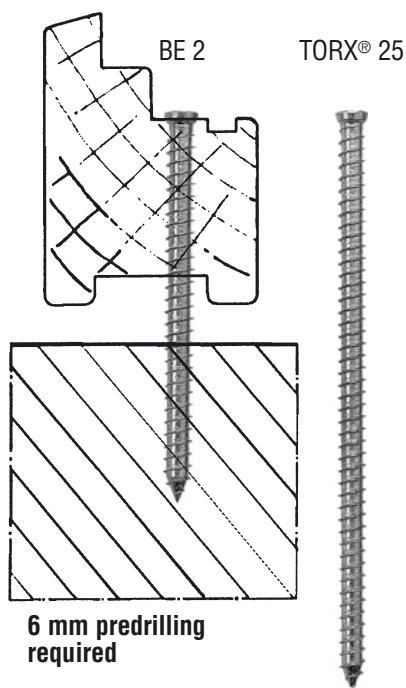
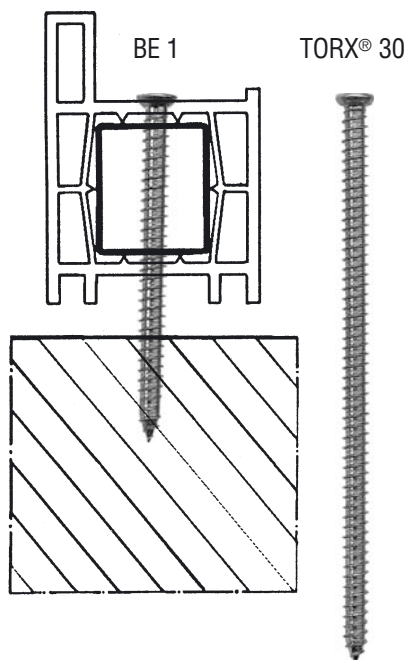
- ornamental head Ø 8,5 mm; due to the reduced head diameter concealed fixing is possible by putting a wooden plug on top
- TORX 25
- double threaded
- threaded point with reduced diameter
- predrilling Ø 6,0 mm required

Assembly

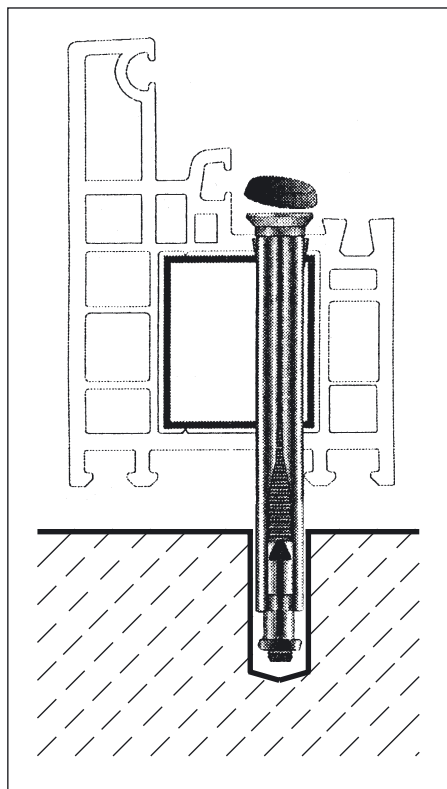
- drill fixing hole Ø 6,2 mm in workshop or on site
- position frame in wall opening
- drill hole in wall with 6 mm masonry hammer drill, drill depth = screw depth + 10 mm
- screw in frame anchor screw with corresponding TORX driver
- press on cover caps

Complete selection in carrying case

PG	Description	Contents	PU	Order Number
YS	Carrying case	<ul style="list-style-type: none"> - 100 pieces each type BE 1 - 100 pieces each type BE 2 in lengths from 40 to 180 mm with PVC cover caps, white (BE 1) - 3 bits - TORX® 30 (BE 1) - TORX® 25 (BE 2) 	1	E-18164-00-0-0
			1	E-18165-00-0-0



Frame anchor plugs for the assembly of windows and doors



For the concealed assembly of aluminium and PVC frames

- use driver PH-3
- predrill Ø 10 mm

Frame anchor plugs

PG	Description	Dim. mm	PU	PU/ Carton	Order Number
YSD	Frame anchor plug	10 x 72	100	6	H-00102-07-0-0
		10 x 92	100	6	H-00102-09-0-0
		10 x 112	100	4	H-00102-11-0-0
		10 x 132	100	4	H-00102-13-0-0
		10 x 152	100	4	H-00102-15-0-0
		10 x 182	100	3	H-00102-18-0-0

Frame anchor plugs

Assembly

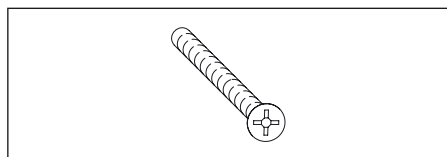
- drill fixing hole Ø 10 mm in workshop or on site
- position frame vertically and horizontally in wall opening
- drill hole in wall with 10 mm masonry hammer drill, drill depth = screw depth + 10 mm
- insert frame anchor plug and fix tight with PH-3 driver
- finally press on cover caps

Cover caps

PG	Description	Colour	PU	Order Number
YS	Cover caps for BE 1 and BE 2 plugs	brown	1000	E-15681-00-0-5
		black	1000	E-15681-00-0-6
		white	1000	E-15681-00-0-7
YS	Cover caps for BE 2, B 5 and H 2	braun	1000	H-00396-00-0-5
		black	1000	H-00396-00-0-6
		white	1000	H-00396-00-0-7

Accessories

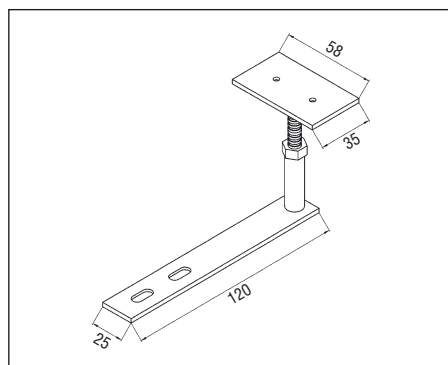
PG	Description	Ø mm	Length mm	PU	Order Number
YW	SDS-plus hammer drill	6	150	1	9-37439-02-0-0
			200	1	9-37439-03-0-0
YW	TORX Bit T 30			10	H-00356-30-0-0
	TORX Bit T 25			10	H-00356-25-0-0
	Bit PH-3, 25 mm			10	H-00354-03-0-0
	Bit PH-3, 50 mm			10	H-00358-03-0-0
YW	SDS-plus hammer drill	10	210	1	9-37439-06-0-0
			260	1	9-37439-07-0-0
YW	Magneter clamp			1	9-37473-00-0-0



Countersunk screw DIN 965

Countersunk screws for fixing handles

PG	Description	Dim. mm	Finish	PU	Order Number
YS	Countersunk screw DIN 965	M 5 x 35	bichromated	500	H-00768-35-0-3
		M 5 x 40	bichromated	500	H-00768-40-0-3
		M 5 x 45	bichromated	500	H-00768-45-0-3
		M 5 x 50	bichromated	500	H-00768-50-0-3



Leveller HSV H-00152

Leveller HSV

PG	Description	Size	Dim. mm	PU	Order Number
YPS	Leveller HSV 1	size 1	50 - 70	25	H-00152-01-0-0
		size 2	70 - 110	25	H-00152-02-0-0
		size 3	110 - 180	25	H-00152-03-0-0

Leveller HSV

For positioning windows and doors in the wall opening before anchoring or screwing.

Positioning clamp and adjustment bridge for the assembly of windows and doors



G.U positioning clamp RZ

Positioning clamp and adjustment bridge

PG	Description	Wall thickness mm	PU	Order Number
YW	G.U positioning clamp RZ	40 to 400	2	9-37567-00-0-0
YW	G.U positioning clamp RZ	60 to 600	2	9-37568-00-0-0
YW	G.U adjustment bridge		2	9-37566-00-0-0

Advantages

Improved efficiency is provided by our complete window and door frame mounting system.

Take advantage of this system featuring 4 functions:

1. Holding the frame

- in a preliminary position before the exact final positioning is made.
- The frame is held firmly in the window opening and cannot fall out.

The method can be applied in almost every assembly situation, using only 2 G.U positioning clamps fixed left and right at the top. Variants:

- reveal
- inside edge
- outside wall leaf.

2. Positioning of the frame

within the assembly plane, position relative to outside or inside according to:

- architect's dimensions
- subsequent determination of dimensions
- possible corrections

3. Alignment of the frame

- for height and level.
- The alignment is easily made via 2 handles, without noticing the frame weight. Every required height position

4. Fixing the final frame position

- by use of the well-known G.U adjustment bridge.
- Place at bottom left and right. Also by using conventional packers, the final desired frame position – corresponding to the assembly situation e.g. inside edge – is reached.
- Thus an effortless mounting of the frame is achieved.
- Then use our proven G.U frame anchors BE 1 and BE 2 or check if our new development, the G.U frame anchor plug, is more suitable.



G.U adjustment bridge

Product group

YU

Comfort and security

YU

Comfort and security

G.U Protection foils

G.U sun protection foil	YU.3
G.U splinter protection foil	YU.3
G.U screening foil	YU.3

Features, structure and assembly of protection foils

Features	YU.4
Foil structure	YU.4
Assembly, notes	YU.4

Sun protection



G.U sun protection foil

PG	Description	Dimensions m	PU	Order number
YU	G.U sun protection foil	0,76 x 2,00 1,52 x 30,50	1 coil 1 coil	H-00861-00-0-0 H-00861-30-0-0

Product information

Sun protection foils are an efficient and economic alternative to solar glass when it comes to reducing solar heat. Moreover, the reflective coating of the glass protects private or business rooms from being viewed into.

Technical specification

- 99 % UV protection
- 16 % transparency
- 58 % heat reflection
- Colour: silver

Advantages

- reduced heat and glare of the sun
- no bleaching of valuable interior decoration
- prevention of injuries in case of glass breakage due to splinter binding effect

Splinter protection



G.U splinter protection foil

PG	Description	Dimensions m	PU	Order number
YU	G.U splinter protection foil	0,76 x 2,00 1,52 x 30,50	1 coil 1 coil	H-00862-00-0-0 H-00862-30-0-0

Product information

Splinter protection foils largely prevent stabs and cuts through splinters when glass is breaking. They also protect glazings against the impact of bats, stones, projectiles and glass cutters. The foil is applied in children's rooms, schools, kindergartens and shop windows.

Technical specification

- 99% UV protection
- material thickness 100µ
- tensile strength > 1800 kg/cm²
- resistant to thrown objects to A2 / EN 356
- colour: transparent

Advantages

- burglary protection
- subsequent fixing at low cost
- permanent protection with complete transparency
- splinter binding effect prevents injuries

Screening from view



G.U screening foil

PG	Description	Dimensions m	PU	Order number
YU	G.U screening foil	0,76 x 2,00 1,52 x 30,50	1 coil 1 coil	H-00863-00-0-0 H-00863-30-0-0

Product information

The screening foil is suited for versatile application, e.g. in bathrooms, clinics, medical practices, on toilet windows – any rooms not to be viewed into.

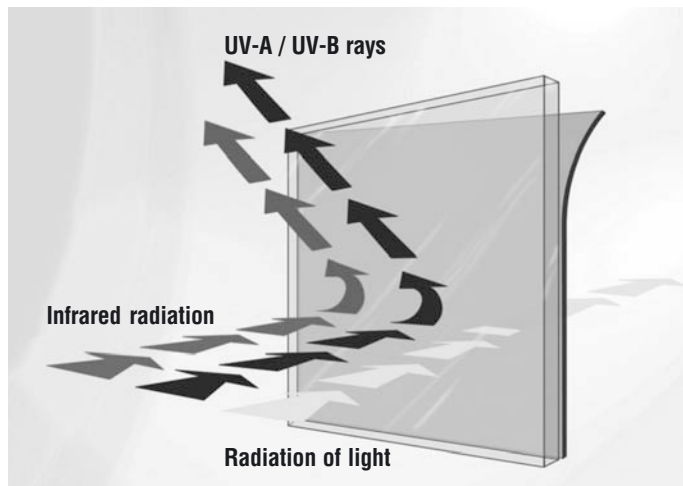
Technical specification

- 99 % UV protection
- colour: transparent, matt

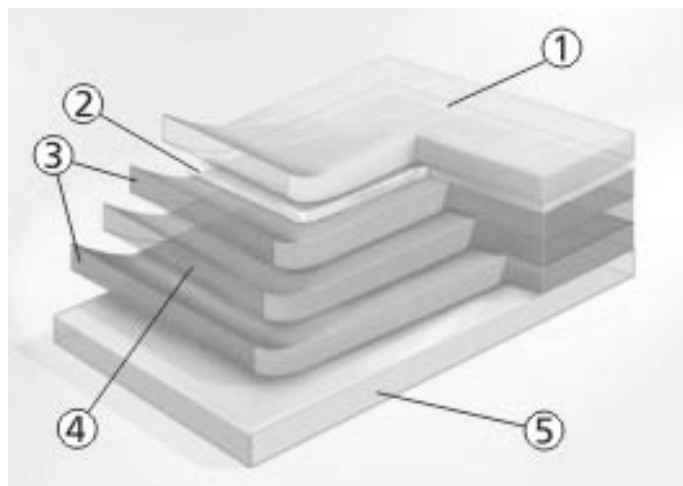
Advantages

- cost-efficient solution
- permanent screening from view
- attractive appearance
- writings and company logos can be incorporated
- splinter binding effect prevents injuries

Features, structure and assembly



Foil features



Foil structure with multiple layers

Assembly

- Cleaning the glass pane thoroughly.
- Cutting the foil to dimension.
- Removing the protective film.
- Spraying the glass pane and the adhesive surface of the foil with plenty of distilled water mixed with dishwashing detergent.
- Applying and aligning the foil.
- Squeezing out the excessive water from under the foil.
- Cutting excess foil pieces – finished.

Features

- Adhering at the inside of the window, the foils reflect infrared and UV radiation.
- The transparency remains largely unchanged (depending on the type of foil)

Foil structure

- ① Transparent protective film
- ② Adhesive:
The special acrylic resin adhesive guarantees permanent and bubble-free adhesion on the glass pane.
- ③ Multi-layered material structure:
The completely tinted and UV stabilising foil is structured in multiple layers which allows for assembly without folds and prevents the foil from bleaching.
- ④ Additional precious metal coating:
Special coating on silver reflecting foils.
- ⑤ Scratch-free surfaces:
The sealed surface prevents the foil from being scratched, thus contributing to the longevity of the product.

Notes

- The foils can be easily removed at any time without leaving any residues.
- The foils can be cleaned with commercial window cleaning agents.
- The foils are suitable for mineral glass only, not for synthetic glass such as plexiglass.

Product group

YV

Window and door installation to RAL

YV

Installation of Windows and Doors to RAL

Requirements

Demands on window and door installation YV.3

External sealing

Pre-compressed joint sealing tapes according YV.4

Internal and external sealing

G.U Sealing system E 2 according to RAL YV.5

External sealing

Window sealing foil, PVC connection profile YV.6

Internal sealing

Window sealing foil, butyl tape for windows YV.7

PVC connection profiles YV.8

Filler tapes

Filler tapes with carrier YV.8

Standards and regulations (in Germany)

Demands on window and door installation

For the connection of windows and doors with the brickwork, the following standards and regulations must be observed :

DIN 4108-7

Thermal insulation and energy saving in buildings.

VOB / Part C DIN 18 355 Carpenter's works, number 3.5.3.

"Seals between external building parts and the building must be durable and proof against driving rain."

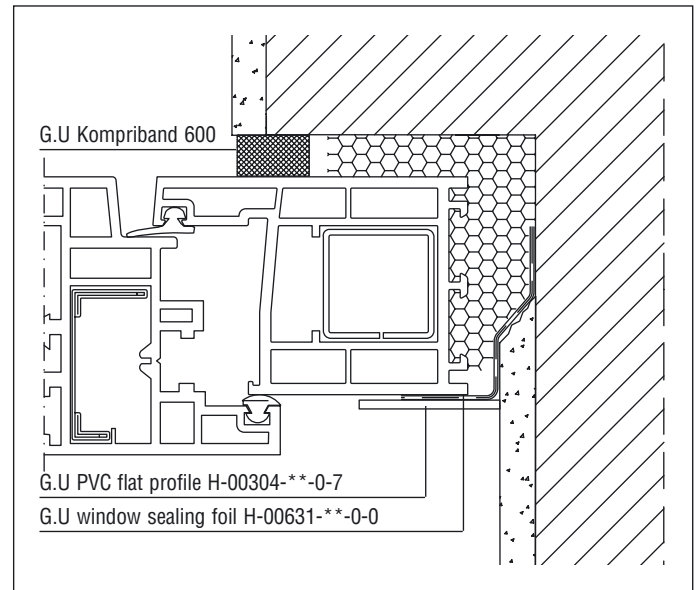
Thermal insulation regulation §4 (3)

In order to avoid permeability and damage due to moisture, the area 'window – joint – wall' must be considered as a whole.

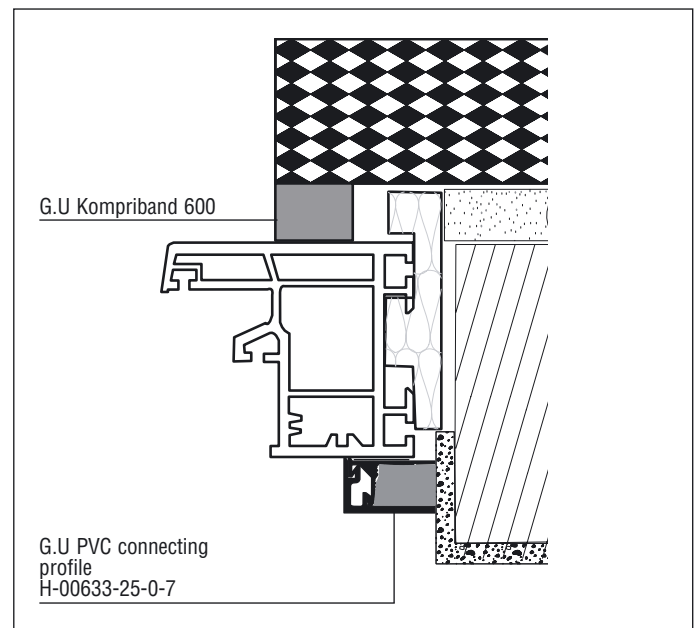
In order to avoid condensation, sealing is to be effected by the following principle:

"higher density at the inside than at the outside"

Seals at the outside must be proof against wind and driving rain and at the same time allow for vapour diffusion.

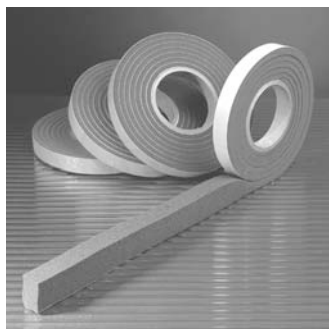


Installation example: window sealing foil at the inside H-00631-**-0-0



Installation example: PVC connecting profile H-00633-25-0-7

Pre-compressed joint sealing tapes according to BG 1 and BG 2



Kompriband 600 and 300

Information on DIN 18 542

German standard

Sealing of external wall joints with impregnated sealing tapes of foamed plastic.
Impregnated sealing tapes, requirements and test

Stress groups

Type of stress	Stress group 1	Stress group 2
Weathering of joints	direct	–
Driving rain	heavy	little
Condensation	heavy	little
Air humidity	long-term	long-term
Wind	normal	normal

Requirements

No. Characteristics	Stress groups 1	Stress group 2
1 Joint permeability coefficient „α“ at 10 Pa	$\leq 0,1 \text{ m}^3 / (\text{h} \cdot \text{m} \cdot (\text{daPa})^n)$	$\leq 0,1 \text{ m}^3 / (\text{h} \cdot \text{m} \cdot (\text{daPa})^n)$
2 Joint impermeability against driving rain at Δp	$\geq 600 \text{ Pa}$	$\geq 300 \text{ Pa}$
3 Impermeability of joint junctions against driving rain Δp	$\geq 600 \text{ Pa}$	–
4 Resistance to temperature changes	– 20 to +80°C	– 20 to +60°C
5 Resistance to the effects of light and moisture	must be guaranteed	–
6 Compatibility with neighbouring materials	to +80°C	to +60°C
7 Behaviour in fire	B 1	B 2
8 Resistance to water vapour diffusion μ	≤ 100	≤ 100



G.U joint sealing tapes are pre-compressed to less than 20 % of the original thickness.

Joint sealing tapes – self-adhesive on one side

PG	Description	Dim. mm	Colour	PU m	Oder Number
YV	Kompriband 600 BG 1	10/2	grey	360	H-00217-10-0-1
		15/2	grey	240	H-00217-15-0-1
		20/2	grey	180	H-00217-20-0-1
		10/3	grey	300	H-00218-10-0-1
		15/3	grey	200	H-00218-15-0-1
		20/3	grey	150	H-00218-20-0-1
		10/3- 7	grey	225	H-00219-10-0-1
		15/3- 7	grey	150	H-00219-15-0-1
		20/3- 7	grey	112,5	H-00219-20-0-1
		15/5-10	grey	100	H-00220-15-0-1
		20/5-10	grey	75	H-00220-20-0-1
		15/7-12	grey	86	H-00221-15-0-1
		20/7-12	grey	64,5	H-00221-20-0-1
		20/8-15	grey	45	H-00222-20-0-1
YV	Kompriband 300 BG 2	10/2	grey	360	H-00430-10-0-1
		15/2	grey	240	H-00430-15-0-1
		20/2	grey	180	H-00430-20-0-1
		10/3	grey	300	H-00431-10-0-1
		15/3	grey	200	H-00431-15-0-1
		20/3	grey	150	H-00431-20-0-1
		10/3- 7	grey	225	H-00432-10-0-1
		15/3- 7	grey	150	H-00432-15-0-1
		20/3- 7	grey	112,5	H-00432-20-0-1
		15/5-10	grey	100	H-00433-15-0-1
		20/5-10	grey	75	H-00433-20-0-1
		20/7-12	grey	64,5	H-00434-20-0-1
		20/8-15	grey	45	H-00435-20-0-1

Product information

G.U joint sealing tapes...

- are pre-compressed to less than 20 % of the original thickness.
- constantly adapt to the movements of the components in the joint and seal against moisture, hail, sound and dust. However, the breathing activity, which is important for the construction, remains guaranteed.
- consist of a special foam with dispersion impregnation. This is water-repellent and protects the joint sealing tape from weathering.
- are resistant to roots, so that the growing of moss and other plant roots is avoided.
- can be painted.
- can be assembled under any weather conditions.
- remain elastic, even when the joints move.

Positioning instructions

Tools

In order to position the tape, a tape measure, spatula, scissors or knife and possibly wooden wedges will be required.

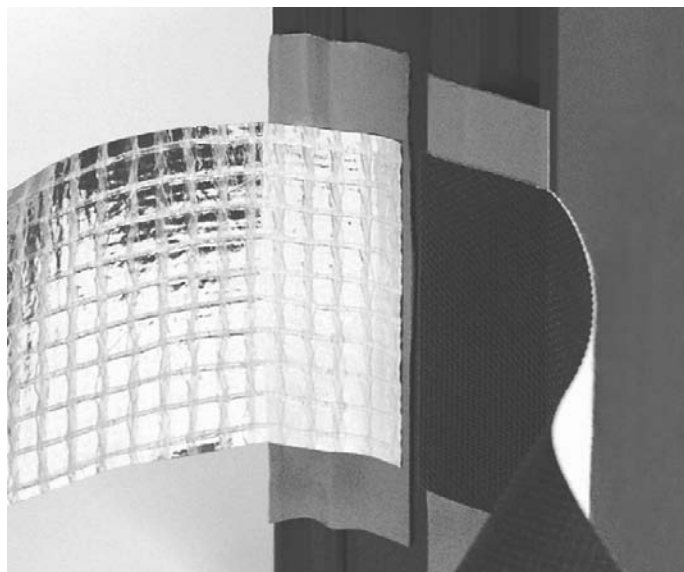
Processing

- After determining the joint width, select the tape dimension in line with the prescribed tolerances.
- Cut off the over-compressed start or end piece.
- When cutting the tape to length, add at least 1 cm/m.
- In the case of vertical joints, start positioning from the bottom. The ends of the tape are butt jointed.
- The sides of the joint should run parallel to each other (maximum 3° deviation). Furthermore, they must be roughly cleaned of construction dirt and remains of mortar.
- The tape should be positioned to the inside 1 to 2 mm from the front edge
- When working with paints, coatings, sealant and natural stones, please ask us about compatibility.
- The tape must not be brought into contact with chemicals containing solvents or other aggressive materials.

Positioning tips for windows

- G.U joint sealing tapes must not run around the frame corner.
- The tapes are butt jointed.

G.U sealing system E 2 according to RAL for external and internal sealing



G.U sealing system E 2

PG	Description	PU	Order number
YV	G.U sealing system E 2, external sealing Contents 1 Non-woven polypropylene – 15 m long, 200 mm wide 2 Butyl tapes – 16 m long, 30 mm wide 1 Cutter	1	H-00710-00-0-0
YV	G.U sealing system E 2, internal sealing Contents 1 Aluminium foil – 15 m long, 200 mm wide 2 Butyl tapes – 16 m long, 30 mm wide 1 Cutter	1	H-00711-00-0-0

Inside connection

For the internal sealing of windows, G.U offers a practice-oriented package with the following products:

- 2 rolls each with 16 m butyl tape of plastoelastic rubber compound with high adhesion. The tape is self-adhesive on both sides – pretreatment with primer is not necessary.
- 1 roll of 15 m tearproof aluminium foil, **proof against vapour diffusion** and reinforced with fabrics.

Outside connection

The package for external sealing contains the following products:

- 2 rolls each with 16 m butyl tape of plastoelastic rubber compound with high adhesion. The tape is self-adhesive on both sides – pretreatment with primer is not necessary.
- 1 roll of 15 m non-woven polypropylene, **open to vapour diffusion**. Its special membrane technique makes the outside connection of the window proof against driving rain even with a dynamic pressure of > 600 Pa.

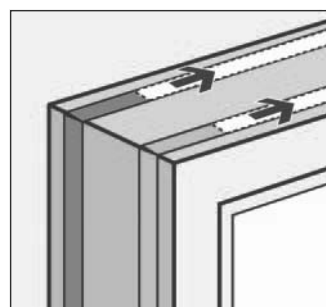
Product information

For the internal and external sealing of windows and doors connected to masonry, G.U offers a practice-oriented solution fulfilling the demands of the RAL "Window Installation" regulations:

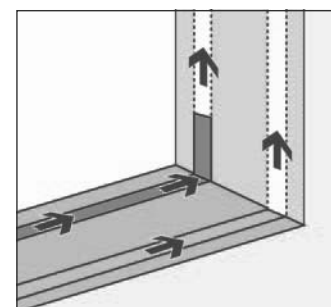
- aluminium foil with fabrics reinforcement, proof against vapour diffusion, for internal sealing
- non-woven polypropylene open to vapour diffusion for external sealing

- protection against driving rain at the outside even with a dynamic pressure of > 600 Pa
- double sided self-adhesive butyl tape with high adhesion
- no pretreatment of window/door and masonry with primer
- simple cutting of aluminium foil and non-woven polypropylene with hand cutter

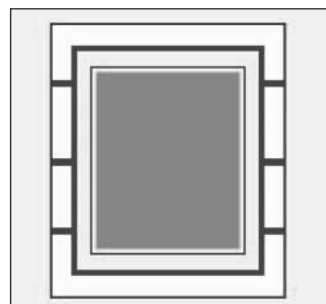
6 mounting steps to a perfectly sealed window



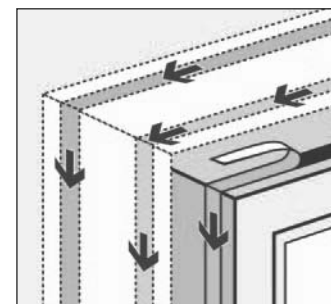
1. Affix butyl tape to window frame



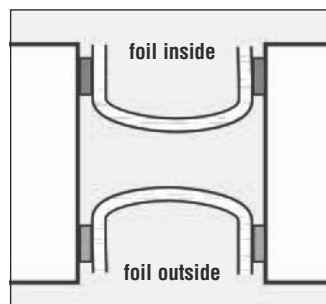
2. Affix butyl tape to masonry



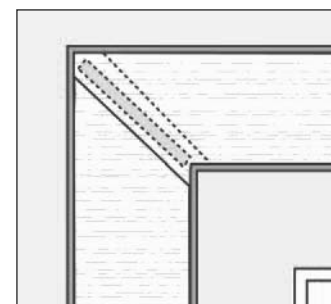
3. Install window



4. Remove protective foil

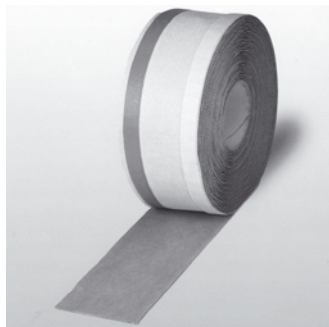


5. Affix aluminium foil at the inside and non-woven polypropylene at the outside



6. Cut corners and seal with butyl tape

Window sealing foil, PVC connecting profile



External window sealing foil
H-00632-**-0-0

Application

Outside sealing between window and brickwork – e.g. under a prominent façade. Sealing underneath external window sills.

G.U external window sealing foil

The external window sealing foil consists of non-woven polypropylene material.

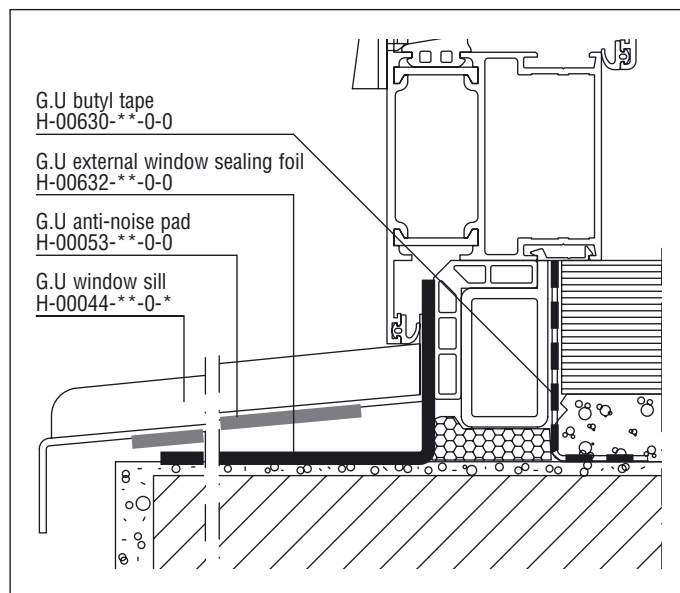
- open to vapour diffusion.
- self-adhesive on one side
- proof against driving rain
- simple application and high adhesion

Technical data

- building material class B2
- workable from + 5° C to + 50° C
- resistant to temperatures from - 40° to + 100°
- diffusion resistance value $\mu = 93$

Window sealing foil – outside application

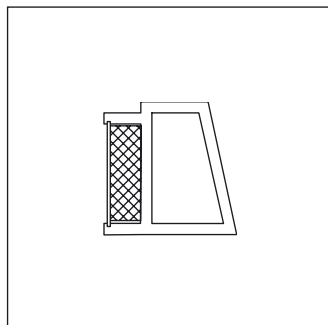
PG	Description	Width mm	PU m	Order Number
YV	External window sealing foil	70	250	H-00632-07-0-0
		100	150	H-00632-10-0-0



Installation example: external window sealing foil H-00632-**-0-0



PVC connecting profile
H-00629-00-0-7



Product information

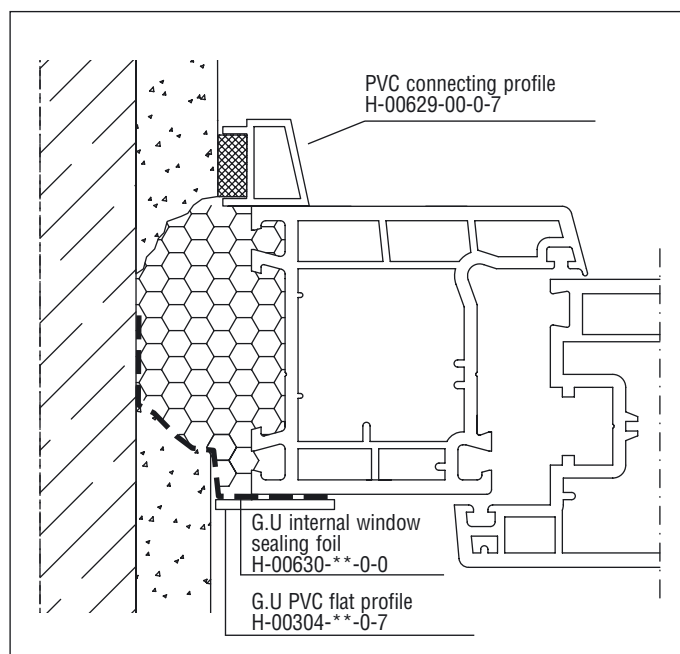
The PVC connecting profile consists of a PVC profile and the inserted, impregnated G.U. Kompriband 600. The foam material is protected against decompression by a cover strip which is removed before application to allow the foam to expand and to seal reliably.

Since the connecting profile can be mounted with windows and doors already installed, it is perfectly suitable for the renovation of existing buildings.

For fixing the connecting profile we recommend G.U-Plast PVC adhesive H-00012-00-0-0.

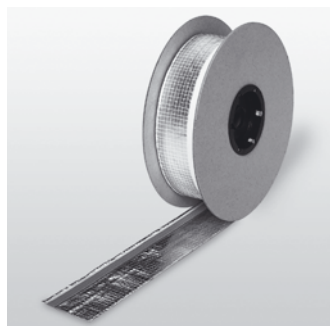
PVC connecting profile – outside application

PG	Description	Dimension mm width x thickness	PU	Order Number
YK	PVC connecting profile, 1-part, white surface, with Kompriband	20 x 23	45 m	H-00629-00-0-7



Installation example: PVC connecting profile H-00629-00-0-7

Window sealing foil, butyl tape for windows



Internal window sealing foil
H-00631-**-0-0

Application

Sealing of the internal joint between window and brickwork.
Applicable for new buildings and for renovation – e.g. with panel construction buildings.

G.U internal window sealing foil

The internal window sealing foil is a tearproof aluminium foil reinforced with fabrics. Easy mounting:

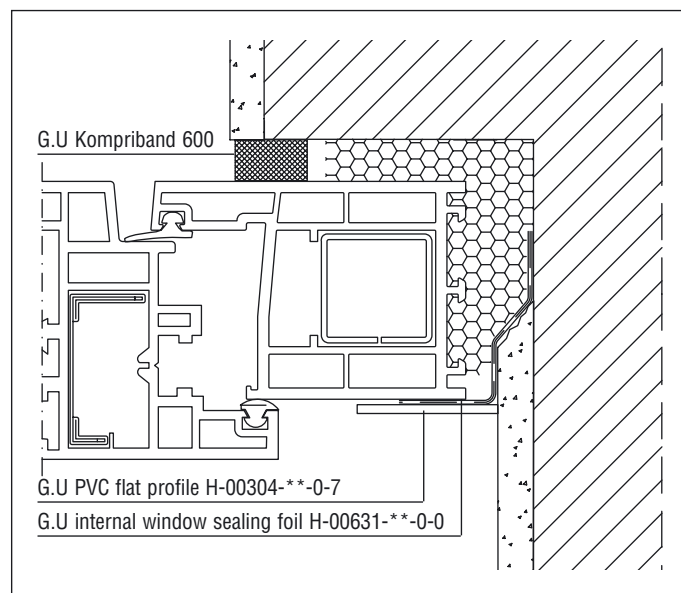
- with butyl tape on walls
- self-adhesive on windows

Technical data

- building material class B2
- workable from + 5° C to + 50° C
- resistant to temperatures from - 40° to + 100°
- diffusion resistance value $\mu = 800.000$

Window sealing foil – inside application

PG	Description	Width mm	PU m	Order Number
YV	Internal window sealing foil	50	350	H-00631-05-0-0
		70	250	H-00631-07-0-0
		100	150	H-00631-10-0-0



Installation example: internal window sealing foil H-00631-**-0-0



Butyl tape for windows
H-00630-**-0-0

Application

Sealing of joint between window and brickwork, proof against vapour diffusion. The butyl tape can be painted and plastered.

G.U butyl tape for windows

The butyl tape consists of plastoelastic butyl rubber compound:

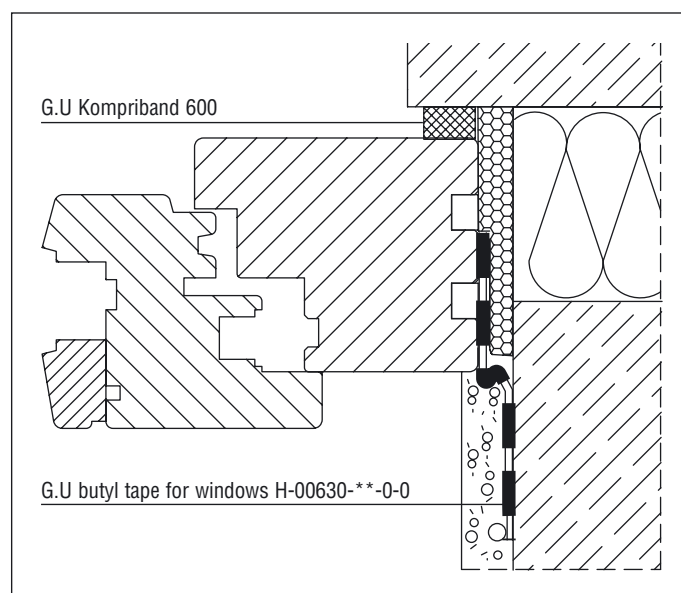
- high adhesive force
- one side laminated with synthetic non-woven material
- with self-adhesive fixing strip

Technical data

- building material class B2
- workable from + 5° C to + 40° C
- resistant to temperatures from - 40° to + 80°
- diffusion resistance value $\mu = 150.000$

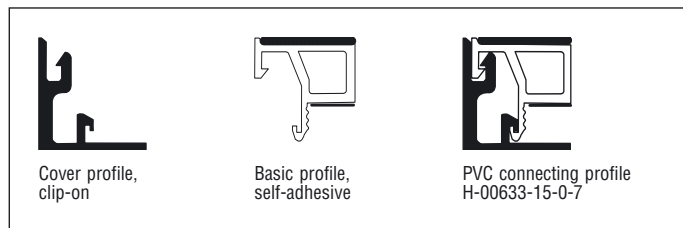
Butyl tape for windows

PG	Description	Dim. mm	PU m	Order number
YV	Butyl tape for windows	75 x 1,0	60	H-00630-07-0-0
		100 x 1,0	45	H-00630-10-0-0

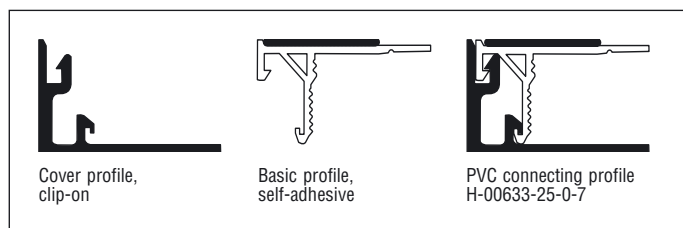


Installation example: Butyl tape for windows H-00630-**-0-0

PVC connecting profiles



PVC connecting profile H-00633-15-0-7



PVC connecting profile H-00633-25-0-7

Product information

PVC connecting profiles allow for an expert and permanent sealing of windows and doors at the inside.

They prevent warm and humid room air from penetrating in the joint area.

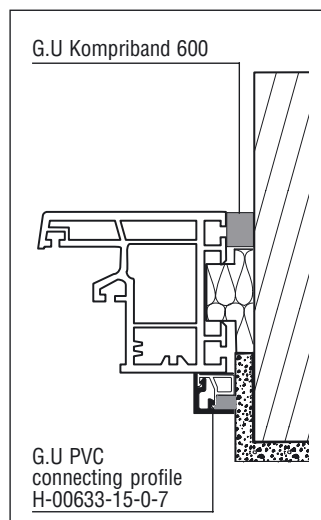
Provided that PVC connecting profiles are positioned correctly, they have a positive effect on the 10° isotherms.

Mounting

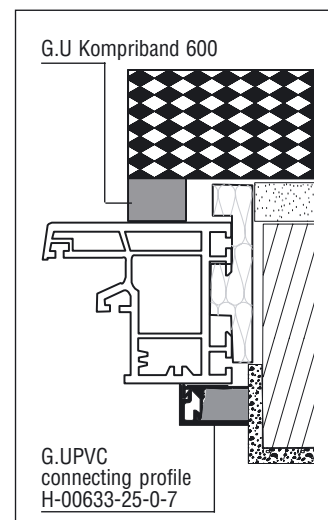
- stick on basic profile
- fill in sealing compound
- clip on cover profile

PVC connecting profiles – inside application

PG	Description	Dim. mm width x thickness	PU	Order number
YK	PVC connecting profile 2-part, white surface	15 x 15	45 m	H-00633-15-0-7
YK	PVC connecting profile 2-part, white surface	25 x 15	45 m	H-00633-25-0-7



Installation example: PVC connecting profile H-00633-15-0-7



Installation example: PVC connecting profile H-00633-25-0-7

Filler tapes with carrier



Filler tape H-00121--0-***

G.U. filler tape

This tension-proof, self-adhesive PE foam equipped with a carrier foil on one side is:

- resistant to ageing
- free from plasticisers
- compatible with silicone, acetate and other standard sealing compounds

Filler tapes with carrier

PG	Description	Dim. mm	Colour	PU m	Order number
YV	Filler tape	9 x 3	black	660	H-00121-09-0-6
		9 x 3	white	660	H-00121-09-0-7
		12 x 3	black	500	H-00121-12-0-6
		12 x 3	white	500	H-00121-12-0-7

Application

G.U. filler tapes are applicable on all timber, PVC and metal frames.

G.U. filler tapes are resistant against:

- cleaning chemicals
- salt water
- soap and detergent
- fungus

Product group

YW

Tools

YW

Tools

Electrical hand tools

Hammer drill, drill, cordless drill/screwdriver	YW.3
Hammer drill, drill, cordless drill/screwdriver	YW.4
Jigsaw, sabre saw, reciprocating saw	YW.5
Hand plane, orbital sander, angle measurer	YW.6

Hand tools

Pliers, wire cutters, water pump pliers, cable cutters	YW.7
Cutters, grip pliers	YW.8
Fitter's hammer, mallet, soft headed hammer, rubber hammer, wood hammer	YW.9
Spatula, Don Carlos knife, seal cutters, seal roller	YW.10
Chisels	YW.11

Spanners/Wrenches

Fixed spanners, ring spanners, ring/fixed spanners	YW.12
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Screwdrivers

Allen keys, Torx screwdrivers	YW.13
Slot head screwdrivers, cross head screwdrivers	YW.14
Bits	YW.15
Magnetic holders, universal holders, special bit holder, set of bits	YW.16

Screw clamps and assembly tools

Screw clamps, safety clamps	YW.17
Clamping clasps, PORTEX expansion equipment	YW.18
Positioning clamps, adjustment bridge, HSS twist drill	YW.19

Drill bits and chisels

Wood spiral bit set, spiral bits with straight shank	YW.20
Hammer drill bits, pointed chisel, flat chisel, spirit level	YW.21

Straps

Clamping bands	YW.22
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Workclothes and safety clothes

Safety helmet, all-round safety glasses, safety half shoe	YW.23
Textile gloves, safety gloves	YW.24
Safety gloves, nitrile gloves	YW.25
Work jackets, work trousers, dungarees, overalls	YW.26

Hammer drill, drill, cordless drill/screwdriver

Hammer drill, drill, cordless drill

PG	Description	PU	Order Number
YW	Bosch hammer drill GBH 2-24 DSR	1	H-00397-00-0-0
YW	Makita electronic hammer drill HR2400	1	H-00406-00-0-0
YW	Bosch drill GBM 450 RE	1	H-00398-00-0-0
YW	Makita cordless drill/screwdriver 6314DWDE, 12 V	1	H-00407-00-0-0

Bosch hammer drill GBH 2-24 DSR



Product information

- Impact stop
- Reverse facility
- Turning stop and vario lock for chiselling
- Infinite control electronics and speed selection
- Two-ratio gear
- Bit direct take-up
- 1/4"
- 19 torque levels
- Slow down brake

Technical details

Drill Ø	
- in concrete	4-24 mm
- in wood	30 mm
- in steel	10 mm
Impact energy	2,2 J
Loaded speed	0-870 min ⁻¹
Load impact	0-4.850 min ⁻¹
Power	620 W
Voltage	230/50 V/Hz
Tooling take-up	SDS-plus
Weight	2,4 kg

Makita electronic hammer drill HR2400



Product information

- With SDS-Plus take-up
- Further developed impact tool for low-vibration working
- With turning stop for light chiselling work and impact stop for drilling in wood or metal
- Release coupling prevents the machine breaking if the tool used is blocked
- Ergonomic shape for a secure hold and optimal power transfer
- Electronic switching for accurate drilling

Technical details

Power	750 W
Drill speed	0-1.200 min ⁻¹
Impact figure	0-4.200 min ⁻¹
Drill performance	
- in concrete	24 mm
- in steel	13 mm
- in wood	24 mm
Cylinder head drill	38 mm
Weight	2,3 kg

Accessories provided:

- Carry case
- Depth gauge
- Side handle
- Chisel head

Bosch drill GBM 450 RE



Product information

- The convincing advantages:
- Ideal for drilling in metal and wood
 - For use in drill stands and - thanks to the electronics and reversible motion - also for driving
 - High performance and optimised speed for all cases
 - compact, lean slimline design for problem-free work even in tight places
 - Practical belt clip, the machine is quickly available wherever you are
 - Spindle collar Ø 43 mm for operation in drill stands
 - Electronic and infinite speed control for particularly precise drilling and working correctly for the given material

Technical details

Drill Ø	
- in steel	10 mm
- in wood	25 mm
Power	450 W
No load speed	0-2.500 min ⁻¹
Machine weight	1,5 kg

Makita cordless drill/screw driver 6314DWDE - 12 V



Product information

- With environmentally-friendly accumulator technology, based on Ni-MH - now with 2,6 Ah
- Professional drill/driver for high demands with 12 V
 - Air-cooled high performance motor with long life
 - Short shape with housing only 208 mm long
 - High quality bronze carbon brushes, exchangeable from the outside
 - Optimally tuned motor and gear components
 - Low friction multi-stage two-ratio planet drive for perfect power transfer
 - Constant speed due to control electronics, even under loads
 - 16 levels of torque plus drilling level, adjustable via slip coupling

Technical details

No load speed	
- 1st gear	0-350 min ⁻¹
- 2nd gear	0-1.100 min ⁻¹
Drill performance	
- in steel	13 mm
- in wood	24 mm
Drill chuckle clamp width	2,5 - 13 mm
Wood screws	6,54 x 55 mm
Maximum torque	21 Nm
Battery voltage	12 V; 2,6 Ah
Weight	1,5 kg

Accessories provided:

- Carry case
- 2 accum. batteries 1234, charger
- Quick clamp drill chuck
- 2 x dual bit PH2

Impact wrench, screwdriver, manual circular saw

Impact wrench, screwdriver, manual circular saw

PG	Description	PU	Order number
YW	Makita cordless impact wrench 6916DWD	1	H-00408-00-0-0
YW	Bosch cordless driver GSR 12 VE	1	H-00399-00-0-0
YW	Bosch circular hand saw GKS 65	1	H-00400-00-0-0
YW	Makita circular hand saw 5705R	1	H-00409-00-0-0

Makita cordless impact wrench 6916DWD



Product information

- With environmentally-friendly accumulator technology, based on Ni-MH – now with 2,6 Ah
- Short and light impact wrench with 12 volt drive
 - Striking mechanism housing made from particularly light magnesium alloy
 - Makita high performance motor with carbon brushes exchangeable from outside
 - Handle with inset rubber cushion for a secure hold and comfortable working
 - Well-placed reversible drive switch
 - With electronically controllable speed

Technical details

No load speed	0-2.300 min ⁻¹
Idling impact	0-3.000 min ⁻¹
Maximum torque	120 Nm
– wood screws	xx mm
– machine screws	xx mm
– nuts	xx mm
Tooling take-up	1/4"
Accumulator voltage	12 V / 2,6 Ah
Weight	1,5 kg

Accessories provided:

- Carry case
- Accumulator 1234
- Charger

Bosch cordless screwdriver GSR 12 VE



Product information

- Cordless drill/screwdriver with centre handle for optimal centre of gravity
- High speed when drilling (2nd gear) and high torque when driving (1st gear)
- Auto lock for simple tool change with one hand
- Soft grip for comfortable handling
- In heavy duty quality for the highest demands
- 2,0 Ah Nickel metal hydrid accumulator pack, 1 hour charger
- Electronic switch with infinite speed control
- Reverse facility
- Slow down brake, switch on block, bit holder
- Accumulator voltage coding

Technical details

Maximum screw Ø	8 mm
Screw Ø in	
– steel	13 mm
– aluminium	16 mm
– wood	30 mm
Nominal no load speed	
– 1st gear	0-400 min ⁻¹
– 2nd gear	1.400 min ⁻¹
Torque adjustment range	1-10 Nm
Soft screw fall	30
Hard screw fall	47
Drill spindle thread	1/2"
Accumulator voltage	12 V
Drill chuck	13 mm
Machine weight	1,9 kg

Bosch circular hand saw GKS 65



Product information

- For longitudinal, cross and mitre cuts
- Switch on block
- Spindle stopping
- Suitable for Bosch guide tracks (special accessories)
- Low noise
- Two-ratio gear
- Bit direct take-up
- 1/4"
- 19 torque levels
- Slow down brake

Technical details

Cutting area	
– at 90°	65 mm
– at 45°	43 mm
Saw blade Ø	190 mm
Power	1200 W
No load speed	4100 min ⁻¹
Voltage	230 V/50 Hz
Weight	4,7 kg

Makita circular hand saw 5705R



Product information

- Strong manual circular saw for longitudinal, cross and mitre cuts
- 1.400 watt motor with lots of power for difficult tasks
- Cut depth up to 66 mm in the orthogonal cut
- Infinitely adjustable cut depth adjustment according to the scissors principle
- 140 cm long guide tracks can be attached with adapter
- External exhaust system can be attached

Technical details

Power	1.400 W
No load speed	4.800 min ⁻¹
Cutting depth	
at 0°	0 - 66 mm
at 45°	0 - 46 mm
Saw blade Ø	190 mm
Drill Ø	30 mm
Weight	5,2 kg

Accessories provided:

- HM saw blade, parallel limit stop, exhaust supports, hexagonal pin spanner
- Special accessories: Guide tracks, guide track adapter

Jigsaw, sabre saw, reciprocating saw

Jigsaw, sabre saw, reciprocating saw

PG	Description	PU	Order number
YW	Bosch jigsaw GST 100 CE	1	H-00401-00-0-0
YW	Makita electronic jigsaw 4305T	1	H-00410-00-0-0
YW	Bosch sabre saw GSA 800 PE in case	1	H-00402-00-0-0
YW	Makita electronic reciprocating saw JR3000V	1	H-00411-00-0-0

Bosch jigsaw GST 100 CE



Product information

- Compact, handy design for true single hand operation
- Bosch SDS for comfortable blade change
- Constant electronics
- Without handle
- Two-ratio gear
- Bit direct take-up
- 1/4"
- 19 torque levels
- Slow down brake

Technical details

Cutting range	
- in wood	110 mm
- in steel	10 mm
- in non-ferrous metal	20 mm
Power	650 W
Number of strokes at no load min ⁻¹	500-3.000
Voltage	230 V / 50 Hz
Weight	2,3 Kg

Makita electronic jigsaw 4305T



Product information

- Tool free blade change with new lock
- Tool free table adjustment for sawing close to edge
- Electronically adjustable number of strokes
- 4-level pendulum stroke setting to optimise the cutting speed
- The aluminium pressure die cast base plate can be swung out through 45° on both sides – suction guarantee by possibility of assembling on right and left in both directions
- Universal blade take-up for all standard blades
- Exchangeable planing surface made from plastic or steel
- External exhaust system can be attached for dust-free working

Technical details

Power	600 W
Number of strokes at no load min ⁻¹	500-3.000
Stroke length	26 mm
Pendulum stroke	4-level
Cutting performance	
- in wood	110 mm
- in non-ferrous metal	20 mm
- in steel	10 mm
Weight	2,4 kg

Accessories provided:

Carry case, assorted saw blades (6 pieces), plastic planing surface, exhaust adapter, splinter guard, hand guard

Bosch sabre saw GSA 800 PE in case



Product information

- Equipped with progressor line saw blades as standard. Ergonomic design for a secure hold with both hands.
- 4-level saw blade pendulum action for the best cutting performance
 - Constant electronics with tachogenerator for constant cutting speed, even at loads in any material
 - SDS system for simple blade change
 - Mass equalisation for effective vibration damping
 - Robust metal gear housing with additional plastic shell for long life and comfortable handling
 - Equipping with wood and metal progressor sabre saw blade as standard, for a fast cut

Technical details

Nominal power	800 Watt
Number of strokes at no load min ⁻¹	500-2.600
Stroke length	28 mm
Weight	3,4 kg

Makita electronic reciprocating saw JR3000V



Product information

- Infinitely controllable number of strokes for precise sawing, suited to the material
- The saw blades can be turned through 180° for overhead working
- Machine can be put into the carry case with the saw blade mounted (maximum 150 mm length)
- Adjustable guide shoe for optimal use of the saw blade
- Can be used universally for almost any material
- Universal take-up for all standard saw blades

Technical details

Power	590 W
Number of strokes min ⁻¹	0 - 2.300
Stroke length	30 mm
Weight	2,9 kg

Accessories provided:

- Carry case
- 3 assorted saw blades

Hand plane, orbital sander, angle measurer

Hand plane, orbital sander, angle measurer

PG	Description	PU	Order number
YW	Bosch hand plane GHO 36-82C in case	1	H-00403-00-0-0
YW	Bosch orbital sander GSS 230 AE in case	1	H-00404-00-0-0
YW	Bosch digital angle measurer DWM 40 L	1	H-00405-00-0-0

Bosch hand plane GHO 36-82C in case



Product information

- Excellent performance weight
- Splinters can be ejected left or right
- Constant electronics
- Soft start plus electronic motor guard
- Parking shoe for secure storage
- Two-ratio gear
- Bit direct take-up
- 1/4"
- 19 torque levels
- Slow down brake

Technical details

Plane width	82 mm
Folding depth	0-24 mm
Planing thickness	0-3,6 mm
Power	850 W
No load speed	
min ⁻¹	10.500
Voltage	230 V / 50 Hz
Weight	2,9 kg

Bosch orbital sander GSS 230 AE in case



Product information

- Possible to sand close to edge and flush
- Multi clamp system
- Low vibration, extremely smooth running
- Integrated dust extraction
- High quality support of the drive elements
- Two-ratio gear
- Bit direct take-up
- 1/4"
- 19 torque levels

Technical details

Sanding plate dimensions	92 x 182 mm
Orbital circuit	2,4 mm
Number of strokes at no load	
min ⁻¹	5.500-11.000
Power	300 W
Voltage	230 V / 50 Hz
Weight	2,3 kg

Bosch digital angle measurer DWM 40 L



Product information

- Everywhere where precise measurements and exact angles are required, the digital angle measurer DWM 40 L will help you to work faster, more precisely and more economically.
- No calibration required, can be used immediately
 - Extremely precise digital measurements for accuracy of +/-0,1°
 - Displays with large figures on the front and reverse
 - Side piece extension for measuring contact surfaces and difficult to access positions
 - Bosch precision angle transmitter for extremely precise light barrier measurement unaffected by temperature and free from wear and tear
 - Hold function to record the measurement results by pressing a button
 - Horizontal and vertical bubbles for use as a spirit level
 - Battery change display and automatic power off

Technical details

Measurement accuracy	+/-0,1°
Side piece length	400 mm
Measurement range	0-220°
Bubble sensitivity	0,057°
(conforms to 1mm/m)	
Weight	ca. 1 kg
Batteries (supplied)	4 x 1,5 VLR 6 (AA)

Pliers, wire cutters, water pump pliers, cable cutters



Specification

Special tool steel, German shape, polished head, handle with plastic dipped covering.

Edge pliers DIN/ISO 9243

PG	Description	Length mm	PU	Order number
YW	Edge pliers DIN/ISO 9243	200	6	H-00317-20-0-0
		220	6	H-00317-22-0-0
		250	6	H-00317-25-0-0



Specification

Special tool steel, polished head, handle with plastic dipped covering.

Metal lath pliers DIN/ISO 9242

PG	Description	Length mm	PU	Order number
YW	Metal lath pliers DIN/ISO 9242	220	6	H-00318-22-0-0
		250	6	H-00318-25-0-0
		280	6	H-00318-28-0-0



Specification

Special tool steel for medium hard wire, with flat cutter and bevelled head edges, polished head, cutters additionally inductive hardened.

Combined pliers DIN/ISO 5746

PG	Description	Length mm	PU	Order number
YW	Combined pliers DIN/ISO 5746	160	6	H-00321-16-0-0
		180	6	H-00321-18-0-0



Specification

Special tool steel with cutter, straight jaws, cutters additionally inductive hardened, chrome and nickel plated, highly polished head, plastic handles with anti-slip guard.

Pantograph pliers DIN/ISO 5745

PG	Description	Length mm	PU	Order number
YW	Pantograph pliers DIN/ISO 5745	200	6	H-00322-20-0-0



Specification

Special tool steel for medium hard wire, according to DIN Class W, cutters additionally inductive hardened, polished head, handles with plastic dipped covering.

Wire cutters DIN/ISO 5749

PG	Description	Length mm	PU	Order number
YW	Wire cutters DIN/ISO 5749	160	6	H-00319-16-0-0



Specification

Special tool steel for medium hard wire, cutters additionally inductive hardened, highly polished head, chrome and nickel plated, plastic handles with anti-slip guard.

Wire cutters DIN/ISO 5749

PG	Description	Length mm	PU	Order number
YW	Wire cutters DIN/ISO 5749	145	6	H-00320-14-0-0
		165	6	H-00320-16-0-0



Specification

Painted chromium vanadium steel, polished head, with web inserted, adjustable to 7 positions, with cross-hatched and curved arms.

Water pump pliers

PG	Description	Length mm	PU	Order number
YW	Water pump pliers	175	5	H-00326-17-0-0
		240	5	H-00326-24-0-0
		300	5	H-00326-30-0-0



Specification

Self-opening with practical single handed lock, cutter head made from rustproof high-grade steel, with impact resistant plastic handles.

Cable cutters

PG	Description	Length mm	PU	Order number
YW	Cable cutters	160	1	H-00327-16-0-0



Cutters, grip pliers



Specification

Berlin shape, specially hardened, with screw fully from steel, 1a quality, head grey sand-blasted, with open bent arms.

Sheet metal cutters

PG	Description	Length mm	PU	Order number
YW	Sheet metal cutters	250	5	H-00328-25-0-0
		300	5	H-00328-30-0-0



Specification

Berlin shape, specially hardened and continuous cutters, lever transmitted pressed arms, self-opening, cutting performance: sheet metal to 1,8 mm, rustproof high-grade steel sheets to 1,2 mm, serrated cutter, ergonomically shaped handles with PVC covering and anti-slip guard.

Sheet metal cutters "Ideal"

PG	Description	Length mm	PU	Order number
YW	Sheet metal cutters "Ideal"	260	1	H-00330-26-R-0



Specification

Lever transmitted, pressed arms, self-opening, cutting performance: sheet metals to 1,8 mm, rustproof high-grade steel sheets to 1,2 mm, serrated cutter, handles with plastic covering.

Figure cutters

PG	Description	Length mm	PU	Order number
YW	Figure cutters	260	1	H-00329-26-R-0



Specification

With wire stripper with adjusting screw and quick release lever to special jaw for a secure grip, clamping and holding, head made from high quality chromium vanadium steel, forged.

Grip pliers

PG	Description	Length mm	PU	Order number
YW	Grip pliers	180	5	H-00323-18-0-0
		250	5	H-00323-25-0-0



Specification

Pliers body made from high strength steel, malleable cast iron clamping jaws, high polish nickel plated, with quick release lever, clamping width around 35-60 mm, right angle: 0-51 mm, L-profile: 0-25 mm.

Welding grip pliers

PG	Description	Length mm	PU	Order number
YW	Welding grip pliers	280	1	H-00324-28-0-0



Specification

Clamping width 90 mm, with forged jaws, clamping claw for large items, high polish nickel plated, with quick release lever.

Clamping grip pliers

PG	Description	Length mm	PU	Order number
YW	Clamping grip pliers	280	1	H-00325-09-0-0

Fitter's hammer, mallet, soft headed hammer, rubber hammer, wood hammer



Specification

Steel forged hammer head, with dual curved ash handle, industrial quality.

Fitter's hammer DIN 1041

PG	Description	Weight g	PU	Order number
YW	Fitter's hammer DIN 1041	300	10	H-00331-03-0-0
		500	10	H-00331-05-0-0
		800	10	H-00331-08-0-0
		1000	6	H-00331-10-0-0



Specification

Steel forged, with dual curved ash handle, top quality with steel tapered collar.

Mallet DIN 6475

PG	Description	Weight g	PU	Order number
YW	Mallet DIN 6475	1000	6	H-00332-10-0-0
		1250	6	H-00332-12-0-0



Specification

Rebound-free with interchangeable, wear-resistant polyurethane impact heads, with high impact resistance, steel body partially filled with steel shot, therefore rebound-free, impact effect 100% greater than with normal soft headed hammers, with varnished hickory handle.

Soft headed hammer

PG	Description	Head ø mm	Weight g	PU	Order number
YW	Soft headed hammer	30	400	1	H-00333-04-0-0
		35	550	1	H-00333-05-0-0
		40	700	1	H-00333-07-0-0



Specification

Hammer body made from galvanised grey cast iron, head made from impact-resistant cellidor, with varnished handle.

Plastic hammer

PG	Description	Weight g	PU	Order number
YW	Plastic hammer	310	6	H-00334-31-0-0
		395	6	H-00334-09-0-0



Specification

Tough hard rubber with around 90 Shore hardness, not sprung, with hardwood handle, with 2 flat striking surfaces.

Rubber hammer

PG	Description	Head ø mm	Weight g	PU	Order number
YW	Rubber hammer	65	390	6	H-00335-39-0-0



Specification

Hammer body made from white beech with metal casing pressed on and oval ash handle.

Wood hammer

PG	Description	Head ø mm	Weight g	PU	Order number
YW	Wood hammer	60	340	1	H-00336-60-0-0

Spatula, Don Carlos knife, seal cutters, seal roller



Specification

Made from metal, ground, with front chamfer and ripping chisel handle to loosen glass retaining strips and fissures from spacing plugs.

Spatula

PG	Description	PU	Order number
YW	Spatula	1	9-37458-00-0-0



Don Carlos knife

PG	Description	PU	Order number
YW	Don Carlos knife	1	9-37463-00-0-0



Seal cutters

PG	Description	PU	Order number
YW	Seal cutters type LOE 90° in mitre version	1	9-37466-00-0-0



Seal cutters

PG	Description	PU	Order number
YW	Seal cutters type LOE 90°, 2 x 45° in dual mitre version DGS	1	9-37465-00-0-0



Seal roller

PG	Description	PU	Order number
YW	Seal roller, type 4	1	9-37464-00-0-0

Chisels



Specification

Chromium vanadium steel, blade, finely ground, flattened white beech "Ulm" shape handle, with collar.

Chisel

PG	Description	Cutting width mm	PU	Order number
YW	Chisel	4	6	H-00339-04-0-0
		10	6	H-00339-10-0-0
		16	6	H-00339-16-0-0
		20	6	H-00339-20-0-0
		24	6	H-00339-24-0-0
		30	6	H-00339-30-0-0



Specification

6-part:
Cutting widths 6, 10, 12, 16, 20 and 26 mm, chromium vanadium steel, blade finely ground, flattened white beech "Ulm" shape handle, with collar.

Chisel set

PG	Description	PU	Order number
YW	Chisel set	1	H-00339-00-0-0

Fixed spanners, ring spanners, ring/fixed spanners



Specification

Chromium vanadium steel, forged, chrome plated, fixed position 15°.

Dual fixed spanner set

PG	Description	Sizes	PU	Order number	
YW	Dual fixed spanner set	8-part	6 - 22	1	H-00340-08-0-0
		10-part	6 - 27	5	H-00340-10-0-0



Specification

Chromium vanadium steel, forged, chrome plated, profoundly cranked.

Dual ring spanner set

PG	Description	Sizes	PU	Order number	
YW	Dual ring spanner set	8-part	6 - 22	5	H-00341-08-0-0
		10-part	6 - 27	5	H-00341-10-0-0



Specification

Chromium vanadium steel, forged, chrome plated, with equal spanner widths, ring side angled to 15°.

Ring/fixed spanners

PG	Description	Sizes	PU	Order number
YW	Ring/fixed spanner	6	10	H-00342-06-0-0
		7	10	H-00342-07-0-0
		8	10	H-00342-08-0-0
		9	10	H-00342-09-0-0
		10	10	H-00342-10-0-0
		11	10	H-00342-11-0-0
		12	10	H-00342-12-0-0
		13	10	H-00342-13-0-0
		14	10	H-00342-14-0-0
		15	10	H-00342-15-0-0
		16	10	H-00342-16-0-0
		17	10	H-00342-17-0-0
		18	10	H-00342-18-0-0
		19	10	H-00342-19-0-0
5		20	H-00342-20-0-0	
		21	H-00342-21-0-0	
		22	H-00342-22-0-0	

Allen keys, Torx screwdrivers



Specification

Chrome vanadium steel, nickel plated, angled, key ends chamfered, on a ring in a PVC pocket ISO 2936 (DIN 911).

7-part hexagonal Allen key set

PG	Description	Sizes	PU	Order number
YW	7-part hexagonal Allen key set	2 - 8 mm	10	H-00343-07-0-0



Specification

In handy folding holder, with lifting button for simple and easy selection of keys, blades from chromium vanadium steel, handle from glass-fibre strengthened plastic.

7-part hexagonal Allen key bone

PG	Description	Sizes	PU	Order number
YW	7-part hexagonal Allen key bone	2 - 8 mm	5	H-00344-07-0-0



Specification

With T-handle, blade made from chromium vanadium steel, nickel plated, end chamfered, handle from impact-resistant ABS plastic.

Hexagonal Allen key

PG	Description	Sizes mm	Blade	PU	Order number
YW	Hexagonal Allen key	2	90	10	H-00345-02-0-0
		3	100	10	H-00345-03-0-0
		4	100	10	H-00345-04-0-0
		5	100	10	H-00345-05-0-0
		6	100	10	H-00345-06-0-0
		6	200	10	H-00197-06-0-0
		8	100	10	H-00345-08-0-0
		10	200	10	H-00345-10-0-0



Specification

With T-handle, blade made from chromium vanadium steel, nickel plated, handle from impact-resistant plastic.

Torx Allen key

PG	Description	Sizes mm	PU	Order number
YW	Torx Allen key T 15	T 15	10	H-00809-15-0-0

Torx screwdriver

PG	Description	Sizes	Blade	PU	Order number
YW	Torx screwdriver	TX 10	100	5	H-00346-10-0-0
		TX 20	100	5	H-00346-20-0-0
		TX 25	100	5	H-00346-25-0-0
		TX 30	100	5	H-00346-30-0-0
		TX 40	100	5	H-00346-40-0-0

Slot head screwdrivers, cross head screwdrivers



Specification

Multi-component power handle, impact resistant, cadmium free, for the transfer of high torques, with anti-roll and anti-slip guard, blade from chromium vanadium molybdenum steel, hardened right through, matt chrome plated, tip with chrome top (guarantee high accuracy to gauge and protects from corrosion).



Specification

Multi-component power handle, impact resistant, cadmium free, for the transfer of high torques, with anti-roll and anti-slip guard, blade from chromium vanadium molybdenum steel, hardened right through, matt chrome plated, tip with chrome top (guarantee high accuracy to gauge and protects from corrosion) for cross head Philips recess screws.



Specification

Multi-component power handle, impact resistant, cadmium free, for the transfer of high torques, with anti-roll and anti-slip guard, blade from chromium vanadium molybdenum steel, hardened right through, matt chrome plated, tip with chrome top (guarantee high accuracy to gauge and protects from corrosion) for cross head pozidrive/supadrive screws.



Specification

With hard wooden handles, blades from chromium vanadium molybdenum steel, with hexagonal attachment for screw spanners, dual leather cap, square reamer, blades right through above 5,5 mm size.
Content: slot head screwdrivers 4,5x90 mm, 5,5x100 mm, 7,0x125 mm, 9,0x150 mm, cross head Philips recess screwdrivers PH 1/80 mm, PH 2/100 mm, reamer 6x100 mm.



Specification

With impact resistant plastic square handles, blades from chromium vanadium molybdenum steel, highly polished nickel plated
Content: slot head screwdrivers 4,5x100 mm, 5,5x120 mm, 7,0x140 mm, cross head screwdrivers PH 1/80 mm, PH 2/100 mm.



Specification

Multi-component power handle, impact resistant, cadmium free, for the transfer of high torques, with anti-roll and anti-slip guard, blade from chromium vanadium molybdenum steel, hardened right through, matt chrome plated, tip with chrome top (guarantee high accuracy to gauge and protects from corrosion)
Content: slot head screwdrivers 3,5x100 mm, 4,5x125 mm, 5,5x150 mm, 6,5x150 mm, cross head screwdrivers Philips recess PH 1/80 mm, PH 2/100 mm.

Slot head screwdrivers

PG	Description	Cutting width mm	PU	Order number
YW	Slot head screwdriver	2,5	10	H-00347-25-0-0
		4,0	10	H-00347-40-0-0
		4,5	10	H-00347-45-0-0
		5,5	10	H-00347-55-0-0

Cross head screwdrivers

PG	Description	Size	PU	Order number
YW	Cross head screwdriver	PH 0	10	H-00348-00-0-0
		PH 1	10	H-00348-01-0-0
		PH 2	10	H-00348-02-0-0
		PH 3	10	H-00348-03-0-0

Cross head screwdrivers

PG	Description	Size	PU	Order number
YW	Cross head screwdriver	PZ 1	10	H-00349-01-0-0
		PZ 2	10	H-00349-02-0-0
		PZ 3	10	H-00349-03-0-0

7-part screwdriver set

PG	Description	PU	Order number
YW	7-part screwdriver set	1	H-00352-00-0-0

5-part screwdriver set

PG	Description	PU	Order number
YW	5-part screwdriver set	1	H-00350-00-0-0

6-part screwdriver set

PG	Description	PU	Order number
YW	6-part screwdriver set	1	H-00351-00-0-0

Bits



Specification

For bits hand holder and machine operation, excellent hardness and torque porperties, drive 1/4" hexagonal DIN 3126 - C 6,3 for slot head screws.

Bits

PG	Description	Size	PU	Order number
YW	Bits	1	10	H-00353-01-0-0
		2	10	H-00353-02-0-0
		3	10	H-00353-03-0-0



Specification

For bits hand holder and machine operation, excellent hardness and torque porperties, drive 1/4" hexagonal DIN 3126 - C 6,3 for Philips recess cross head screws.

Bits

PG	Description	Size	PU	Order number
YW	Bits	PH 1	10	H-00354-01-0-0
		PH 2	10	H-00354-02-0-0
		PH 3	10	H-00354-03-0-0



Specification

Tough, torsion shape, drive 1/4" hexagonal, DIN 3126-E 6,3, ISO 1173, for Philips recess cross head screws.

Bits

PG	Description	Size	PU	Order number
YW	Bits	PH 1	10	H-00358-01-0-0
		PH 2	10	H-00358-02-0-0
		PH 3	10	H-00358-03-0-0



Specification

For bits hand holder and machine operation, excellent hardness and torque porperties, drive 1/4" hexagonal DIN 3126 - C 6,3 for pozidrive/supadrive cross head screws.

Bits

PG	Description	Size	PU	Order number
YW	Bits	PZ 1	10	H-00113-01-0-0
		PZ 2	10	H-00113-02-0-0
		PZ 3	10	H-00113-03-0-0



Specification

For bits hand holder and machine operation, excellent hardness and torque porperties, drive 1/4" hexagonal DIN 3126 - C 6,3 for internal hexagon screws.

Bits

PG	Description	Size mm	PU	Order number
YW	Bits	3	10	H-00357-03-0-0
		4	10	H-00357-04-0-0
		5	10	H-00357-05-0-0
		6	10	H-00357-06-0-0
		8	10	H-00357-08-0-0



Specification

For bits hand holder and machine operation, excellent hardness and torque porperties, drive 1/4" hexagonal DIN 3126 - C 6,3 for internal Torx screws.

Bits

PG	Description	Size	PU	Order number
YW	Bits	TX 10	10	H-00356-10-0-0
		TX 15	10	H-00356-15-0-0
		TX 20	10	H-00356-20-0-0
		TX 25	10	H-00356-25-0-0
		TX 30	10	H-00356-30-0-0

Magnetic holders, universal holders, set of bits



Specification

With fine steel sleeve and strong permanent magnet, for tool changes in a flash, drive mm/inches 1/4", drive DIN 3126 E6,3.

Magnetic holder

PG	Description	PU	Order number
YW	Magnetic holder	1	9-37473-00-0-0



Specification

With fine steel sleeve, strong permanent magnet and circlip, for tool changes in a flash, drive mm/inches 1/4", drive DIN 3126 E6,3.

Magnetic holder with circlip

PG	Description	PU	Order number
YW	Magnetic holder with circlip	10	H-00360-00-0-0



Specification

With fine steel sleeve and quick change chuck, for a firm connection between bit and holder, pushing forward the clamping sleeve releases the stop mechanism and permits a tool change in a flash.

Universal holder with clamping sleeve

PG	Description	PU	Order number
YW	Universal holder with clamping sleeve	10	H-00361-00-0-0



Specification

The stainless steel sleeve is fixed to a robust wired network with synthetic coating. The multicomponent handle (impact resistant and free of cadmium) with rolling-off protection allows screwing at an angle. Length of bit holder (without handle): 150 mm. Suitable for 1/4" bits.

Special bit holder with flexible handle

PG	Description	Size	PU	Order number
YW	Special bit holder with flexible	1/4"	1	H-00757-00-0-0



Specification

In a robust metal cassette, equipped with bits to use in bit hand holders and machine operation, and universal holder with magnet and circlip, excellent hardness and torque properties, drive 1/4" hexagonal DIN 3126 - C 6,3.

Set of bits, 31-part

PG	Description	PU	Order number
YW	Set of bits, 31-part	1	H-00362-00-0-0

Contents:
 3 each cross head bits (Philips recess) – 3 x PH1, 9 x PH2, 3 PH3
 3 each cross head bits (pozidrive-supadrive) – PZ1, PZ2, PZ3
 1x magnetic holder

Specification

In a robust metal cassette, equipped with bits to use in bit hand holders and machine operation, and universal holder with magnet and circlip, excellent hardness and torque properties, drive 1/4" hexagonal DIN 3126 - C 6,3.

Set of bits, 31-part

PG	Description	PU	Order number
YW	Set of bits, 31-part	1	H-00363-00-0-0

Contents:
 1 each slot head blades 4,5 mm, 5,5 mm, 6,5 mm
 3 each cross head bits (Philips recess) – PH1, PH2, PH3
 3 each cross head bits (pozidrive-supadrive) – PZ1, PZ2, PZ3
 1 each Torx bit TX 10, TX15, TX20, TX25, TX30, TX40
 1 each internal hexagon bit SW 4 mm, 5 mm, 6 mm
 1x magnetic holder

Screw clamps, safety clamps



Specification

Malleable cast iron clamping arms painted blue, galvanised solid section guide rail, steel spindle with trapezoidal thread, wooden handle painted blue with yellow grooved plastic clamp.

Screw clamp

PG	Description	Clamp width mm	Reach mm	PU	Order number
YW	Screw clamp	200	100	10	H-00395-20-0-0
		250	120	10	H-00395-25-0-0
		300	120	10	H-00395-30-0-0
		400	120	10	H-00395-40-0-0
		600	120	10	H-00395-60-0-0



Specification

Clamp arms made from high quality malleable cast iron, GTS 35-10 DIN 1692 sliding guide rail made from cold drawn hollow profile steel, galvanised, grooved on both sides ST 60 K DIN 1652, moving pressure plate, threaded spindle made from free-cutting steel with trapezoidal thread.

Safety clamp

PG	Description	Clamp width mm	Reach mm	PU	Order number
YW	Safety clamp	250	120	10	H-00364-25-0-0
		300	140	10	H-00364-30-0-0
		400	175	10	H-00364-40-0-0
		600	175	10	H-00364-60-0-0



Specification

Sliding guide rails and fixed handle made from cold drawn hollow profile steel, galvanised, spindle burished, grooved wooden handle, moving steel pressure plate.

All-steel screw clamp

PG	Description	Clamp width mm	Reach mm	PU	Order number
YW	All-steel screw clamp	300	140	10	H-00365-30-0-0
		400	120	10	H-00365-40-0-0
		500	120	6	H-00365-50-0-0

Clamping clasps, PORTEX expansion equipment



Specification

Fast clamp with eccentric lever, clamp body made from white beech, polished galvanised steel guide rail, made anti-slip with cork supports.

Clamping clasp "Klemmsia"

PG	Description	Clamp width mm	Reach mm	PU	Order number
YW	Clamping clasp "Klemmsia"	200	110	1	9-37456-00-0-0
		300	110	10	H-00366-30-0-0
		400	110	10	H-00366-40-0-0



Specification

To glue round or on edges, as spare part for the moving clamping arm, made from white beech.

Clamping clasp combined part

PG	Description	PU	Order number
YW	Clamping clasp combined part	10	H-00367-00-0-0



Specification

To assemble door linings, expander consists of galvanised steel pipe with threaded rod inside, with trapezoidal thread.

PORTEX expansion equipment

PG	Description	Clamp width	PU	Order number
YW	PORTEX-expansion equipment	min 57,5 cm to max 100 cm	1	H-00368-00-0-0



Specification

To assemble door linings, expander consists of galvanised steel pipe with threaded rod inside, with trapezoidal thread, 9 pieces complete in a steel box.

PORTEX expansion equipment

PG	Description	Clamp width	PU	Order number
YW	PORTEX-expansion equipment 9 pieces complete in a steel box	min 57,5 cm to max 100 cm	1	H-00369-00-0-0



Positioning clamps, adjustment bridge, HSS twist drill



Positioning clamps



Adjustment bridge



Specification

Long twist drill, HSS/DIN 340, type N, pointed angle 118°, profile ground, with straight shank, right hand drill, high performance drill for deep holes and to drill through drill sockets in steel and cast iron, top quality, long life.

Positioning clamps

PG	Description	PU	Order number
YW	Positioning clamp RZ-40	2	9-37567-00-0-0
YW	Positioning clamp RZ-60	2	9-37568-00-0-0

Adjustment bridge

PG	Description	PU	Order number
YW	Adjustment bridge	2	9-37566-00-0-0

HSS twist drill DIN 340

PG	Description	Nominal-Ø mm	Length mm	PU	Order number
YW	HSS twist drill DIN 340 – long	3,0	100	10	H-00372-30-0-0
		3,2	106	10	H-00372-32-0-0
		4,0	119	10	H-00372-40-0-0
		4,2	119	10	H-00372-42-0-0
		5,0	132	10	H-00372-50-0-0
		5,2	132	10	H-00372-52-0-0
		6,0	139	10	H-00372-60-0-0
		8,5	165	10	H-00372-85-0-0
		10,0	184	10	H-00372-10-0-0
		12,0	205	10	H-00372-12-0-0

Specification

HSS-Co/DIN 338, type N, pointed angle 130°, 5% cobalt content, profile ground with cross polished section, with straight shank, right hand drill, for difficult to machine materials, eg non-rusting steels.

HSS twist drill DIN 338

PG	Description	Nominal-Ø mm	Length mm	PU	Order number
YW	HSS twist drill DIN 338 – short	2,5	57	10	H-00371-25-0-0
		3,0	61	10	H-00371-30-0-0
		4,0	75	10	H-00371-40-0-0
		4,5	80	10	H-00371-45-0-0
		5,0	86	10	H-00371-50-0-0
		5,5	93	10	H-00371-55-0-0
		6,0	93	10	H-00371-60-0-0
		6,5	101	10	H-00371-65-0-0
		7,0	109	10	H-00371-70-0-0
		7,5	109	10	H-00371-75-0-0
		8,0	117	10	H-00371-80-0-0
		8,5	117	10	H-00371-85-0-0
		9,0	125	10	H-00371-90-0-0
		9,5	125	10	H-00371-95-0-0
		10,0	133	10	H-00371-10-0-0
		10,5	133	10	H-00371-11-0-0

Wood spiral bit set, spiral bits with straight shank



Specification

Consisting of: 1 each drill bit with nominal \varnothing 4-5-6-8-10 mm, chromium vanadium steel, with centre point and 2 main cutting edges, with straight shank, in plastic cassette.

Wood spiral bit set, 5-part

PG	Description	PU	Order number
YW	Wood spiral bit set, 5-part	1	H-00375-00-0-0



Specification

Short DIN 338, type N/profile ground, right hand drill, in metal cassette, top quality, dimensions 1-10 mm, increasing by 0,5 mm.

Spiral bits with straight shank in sets

PG	Description	PU	Order number
YW	Spiral bits with straight shank in sets	1	H-00373-00-0-0

Specification

Short DIN 338, type N/profile ground, right hand drill, in metal cassette, top quality, dimensions 1-13 mm, increasing by 0,5 mm.

Spiral bits with straight shank in sets

PG	Description	PU	Order number
YW	Spiral bits with straight shank in sets	1	H-00374-00-0-0

Hammer drill bits, pointed chisel, flat chisel, spirit level



Specification

With HM cutter, dual spiral, with SDS plus take-up shank, lean drill head, narrow rear chamfer, asymmetric transport groove for all hammer drills with 4-groove take-up, SDS plus licence Bosch and 2 groove take-up system Hilti TE 10-22.

Hammer drill bits

PG	Description	Nominal-Ø mm	Length mm	PU	Order number
YW	Hammer drill bits	6	160	1	9-37439-01-0-0
		6	210	1	9-37439-02-0-0
		6	260	1	9-37439-03-0-0
		8	210	1	9-37439-04-0-0
		8	260	1	9-37439-05-0-0
		10	210	1	9-37439-06-0-0
		10	260	1	9-37439-07-0-0



Specification

For hammer drills with 4 groove take-up SDS plus system, 1 each drill bit 5 x 110 mm, 6 x 110 mm, 6 x 160 mm, 8 x 160 mm, 10 x 160 mm, in PVC pocket.

Hard metal hammer drill bit set SDS plus

PG	Description	PU	Order number
YW	Hard metal hammer drill bit set SDS plus	1	H-00376-00-0-0



Specification

With SDS plus take-up shaft, usable length 250 mm.

Pointed chisel

PG	Description	PU	Order number
YW	Pointed chisel	1	H-00337-25-0-0



Specification

With SDS plus take-up shaft, usable length 250 mm.

Flat chisel

PG	Description	PU	Order number
YW	Flat chisel	1	H-00338-25-0-0



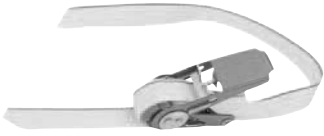
Specification

Silver-coloured anodised, dimensional accuracy at normal position at least 0,5 mm/m, strong aluminium profile (approximately 520 g/metre), unlimited guarantee that the bubbles will not leak.

Light metal spirit level

PG	Description	Length mm	PU	Order number
YW	Spirit level made from light metal	500	1	H-00370-05-0-0
		600	1	H-00370-06-0-0
		800	1	H-00370-08-0-0
		1000	1	H-00370-10-0-0

Clamping bands



Specification

Polyester, one piece, with ratchet, 25 mm wide, according to plant standard.

Clamping band

PG	Description	Length m	Loop daN (kg)	PU	Order number
YW	Clamping band	6	700	1	H-00377-00-0-0



Specification

Polyester, one piece, with ratchet, 35 mm wide, orange, according to VDI 2701 and DIN 60060.

Clamping band

PG	Description	Length m	Loop daN (kg)	PU	Order number
YW	Clamping band	6	1000	1	H-00378-00-0-0
		8	1000	1	H-00378-01-0-0



Specification

Polyester, one piece, with ratchet, 50 mm wide, according to VDI 2701.

Clamping band

PG	Description	Length m	Loop daN (kg)	PU	Order number
YW	Clamping band	5	2500	1	H-00379-00-0-0

Safety helmet, all-around safety glasses, safety half shoe



Specification

According to EN 397, made from thermoplastic special PE plastic, with 6-point adjustable inside strap i/79 size, natural leather sweatband all round, rin channel, controllable ventilation.

Safety helmet "Pionier"

PG	Description	Colour	PU	Order number
YW	Safety helmet "Pionier"	white	1	H-00382-01-0-0
		yellow	1	H-00382-02-0-0



Specification

Made from plastic, well ventilated, with interchangeable lenses, condensation-free/DIN tested.

All-round safety glasses "Secura 410"

PG	Description	PU	Order number
YW	All-round safety glasses "Secura 410"	10	H-00381-00-0-0



Specification

The Nassau Rave safety glasses offer both front and side protection from flying debris, the panorama lens enables extensive all-round vision, the lenses are condensation-free, scratch-free, UV resistant, chemical resistant, anti-static and particularly easy to care for, these special properties are made possible by the DX coating, the revolutionary

Safety glasses "Nassau Rave"

PG	Description	PU	Order number
YW	Safety glasses "Nassau Rave"	10	H-00380-00-0-0

eyebrow protection contributes to better covering, this new, vertically ventilated design means that warm air can circulate behind the lens, thus increase the comfort while wearing, because sweating and condensation

of the lens is reduced, lens angle and arm length are individually adjustable, so that they sit perfectly, the Nassau Rave conforms to the EN 166 safety standards.



Specification

Black, S3, EN 345, with steel toecap and steel sole, secure from items passing through, upper leather, slip resistant 2-layer PU friction sole, oil and acid resistant, anti-static, width 10.



Safety half shoe

PG	Description	Size	PU	Order number
YW	Safety half shoe	43	1 pair	H-00388-43-0-0
		44	1 pair	H-00388-44-0-0
		45	1 pair	H-00388-45-0-0
		46	1 pair	H-00388-46-0-0



Specification

Black, S3, EN 345, with steel toecap and steel sole, secure from items passing through, upper leather, anatomic footbed, slip resistant 2-layer PU friction sole, oil and acid resistant, anti-static, width 10.



Safety half shoe "Trucker"

PG	Description	Size	PU	Order number
YW	Safety half shoe "Trucker"	43	1 pair	H-00389-43-0-0
		44	1 pair	H-00389-44-0-0
		45	1 pair	H-00389-45-0-0



Specification

Black, S3, EN 345, with steel toecap and steel sole, secure from items passing through, upper leather, anatomic footbed, slip resistant 2-layer PU friction sole, oil and acid resistant, anti-static, width 10.



Safety lace-up boot

PG	Description	Size	PU	Order number
YW	Safety lace-up boot	43	1 pair	H-00390-43-0-0
		44	1 pair	H-00390-44-0-0
		45	1 pair	H-00390-45-0-0

Textile gloves, safety gloves



Specification

Natural colour, good sense of touch, can be worn on both sides.



Textile glove

PG	Description	Size	PU	Order number
YW	Textile glove	8-medium 10-extra large	12 pairs 12 pairs	H-00383-01-0-0 H-00383-02-0-0



Specification

With nitrile coating on jersey lining, in comparison with leather gloves, Hyd-Tuf is more flexible, easier to wear and offers better protection against flash, cuttings and abrasion and is oil-repellent, category II/CE tested.



Safety glove "Hyd-Tuf"

PG	Description	PU	Order number
YW	Safety glove "Hyd-Tuf"	1 pair	H-00384-00-0-0



Specification

Cotton fibre with light nitrile coating.



Safety glove "Easyflex"

PG	Description	PU	Order number
YW	Safety glove "Easyflex"	1 pair	H-00385-01-0-0



Specification

Better resistance to tearing, perforation and abrasion, category II, CE tested.



Safety glove "Easyflex"

PG	Description	PU	Order number
YW	Safety glove "Easyflex"	1 pair	H-00385-02-0-0

Safety gloves, nitrile gloves



Specification

With special high performance nitrile coating, excellent resistance to cuttings, flash, piercing and abrasion, effectively repels grease and oil, category II, CE tested.



Safety gloves "Hycron"

PG	Description	PU	Order number
YW	Safety gloves "Hycron"	12 pairs	H-00386-00-0-0



Specification

Good sense of touch, 250 mm length, light-flexible-robust, category II, CE tested.



Nitrile gloves "Sahara"

PG	Description	PU	Order number
YW	Nitrile gloves "Sahara"	10 pairs	H-00387-00-0-0

Works jackets, works trousers, dungarees, overalls



Specification

Made from 100% cotton, approximately 300 g/m², royal blue, standard shape, blouson with turn over collar, 2 breast pockets, hidden buttons.

Works jacket

PG	Description	Size	PU	Order number
YW	Works jacket	52	1	H-00391-52-0-0
		54	1	H-00391-54-0-0
		56	1	H-00391-56-0-0

Specification

Made from 100% cotton, approximately 300 g/m², royal blue, standard shape, with round waistband, belt loops, 2 side and 1 back pocket and 1 ruler pocket.

Works trousers

PG	Description	Size	PU	Order number
YW	Works trousers	52	1	H-00392-52-0-0
		54	1	H-00392-54-0-0
		56	1	H-00392-56-0-0



Specification

Made from 100% cotton, approximately 300 g/m², royal blue, adjustable braces, button fastening, 2 patch pockets on trousers, 1 back pocket, 1 ruler pocket and 1 bib pocket with zip fastening.

Dungarees

PG	Description	Size	PU	Order number
YW	Dungarees	52	1	H-00393-52-0-0
		54	1	H-00393-54-0-0
		56	1	H-00393-56-0-0

Specification

Made from 100% cotton, approximately 290 g/m², royal blue, 2 breast pockets with zip fastening, two-way zip, 2 back pockets, arms with press studs.

Overalls

PG	Description	Size	PU	Order number
YW	Overalls	52	1	H-00394-52-0-0
		54	1	H-00394-54-0-0
		56	1	H-00394-56-0-0



Product group

YX

Miscellaneous

Miscellaneous

Automatic door seals

Automatic door seal "Standard"	YX.3
Automatic door seal "Economy"	YX.3
Automatic door seal "Extra"	YX.4

Corner connectors

Corner connectors for PVC profiles	YX.5
Hexagonal Allen key	YX.5

Electric door openers

Electric door opener G.U Nr. 1 me	YX.6
Electric door opener G.U Nr. 3 R me	YX.6
Electric door opener G.U Nr. 3-2 R me	YX.6
Electric door opener G.U Nr. 2 me	YX.6
Electric door opener G.U Nr. 4 R me	YX.6
Electric door opener G.U Nr. 5 R me	YX.7
Exchange piece G.U Nr. 11 me	YX.7
Electric door opener G.U Nr. 1 me	YX.8
Electric door opener G.U Nr. 3 R me	YX.8

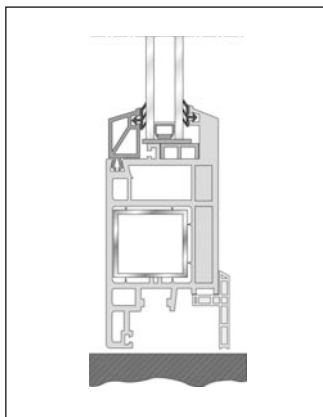
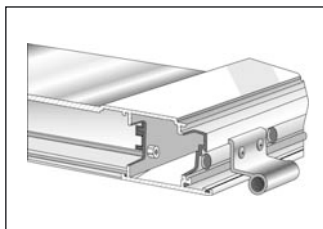
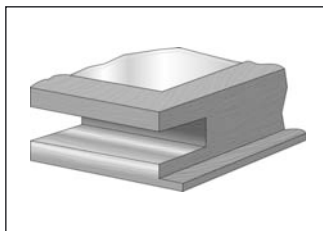
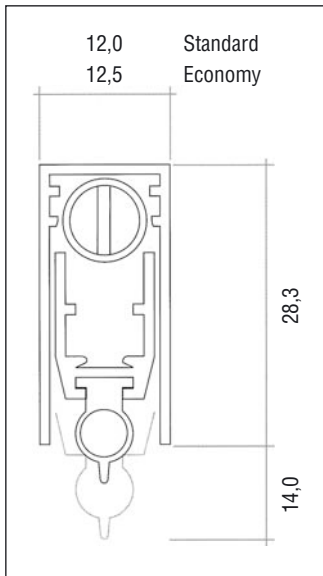
Door viewers

Door viewer	YX.9
Extensions	YX.9
Escutcheon	YX.9
Cover rosette	YX.9

Fixed glazing fastener, fixing clip

G.U Fixed glazing fastener, fixing clip HKF	YX.10
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Automatic door seals "Standard" and "Economy"



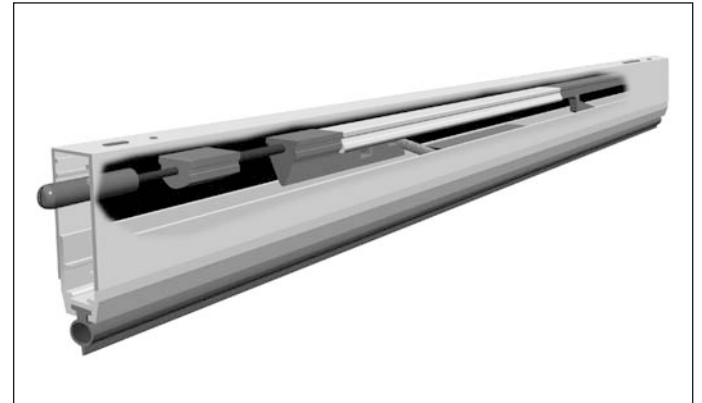
To install on timber doors:
Mill out long groove.

To install on aluminium door:
Make 2 millings at start and end of profile.

To install on PVC door:
An additional (undercut) profile is required.

Automatic door seal – single lip seal

PG	Description	Dim. mm	PU	Order Number
YX	Automatic door seal Standard	730	40	H-00125-07-0-0
		830	40	H-00125-08-0-0
		930	40	H-00125-09-0-0
		1030	40	H-00125-10-0-0
		1130	40	H-00125-11-0-0
YX	Automatic door seal Economy	830	40	H-00303-08-0-0
		1030	40	H-00303-10-0-0
		1230	40	H-00303-12-0-0



Product information

The automatic door seal "standard" provides a perfect seal between door and floor against draft, insects, dust and dirt.

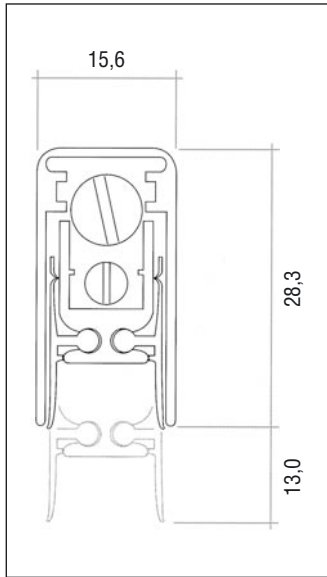
- On closing the door, a seal concealed in the rebate slides out and makes a perfect seal to the floor.
- The corresponding stroke must be correctly adjusted between 0 and 14 mm with the centre adjusting screw to ensure that the seal does not drag or hang in midair.
- The door seal is suitable for timber, aluminium or PVC doors. It consists of 2 aluminium profiles which can be taken apart; thus fitting and cutting is quicker, easier and can be precisely planned.
- The installation length of the seal corresponds to the sash width.
- In order to guarantee a perfect seal across the full width of the door, the lip of the seal should be allowed to extend for the total length of the left and right clearance.

Automatic door seal "Economy" is the economic alternative to the "Standard" seal. "Economy" cannot be levelled and its two springs are less powerful.

Installing

The outer alu profile of the automatic door seal is inserted into the prepared door groove and fixed with the included centre screws. The flexible inner profile is pushed into the second guide groove of the outer alu profile and end caps are fitted.

Automatic door seal "Extra"



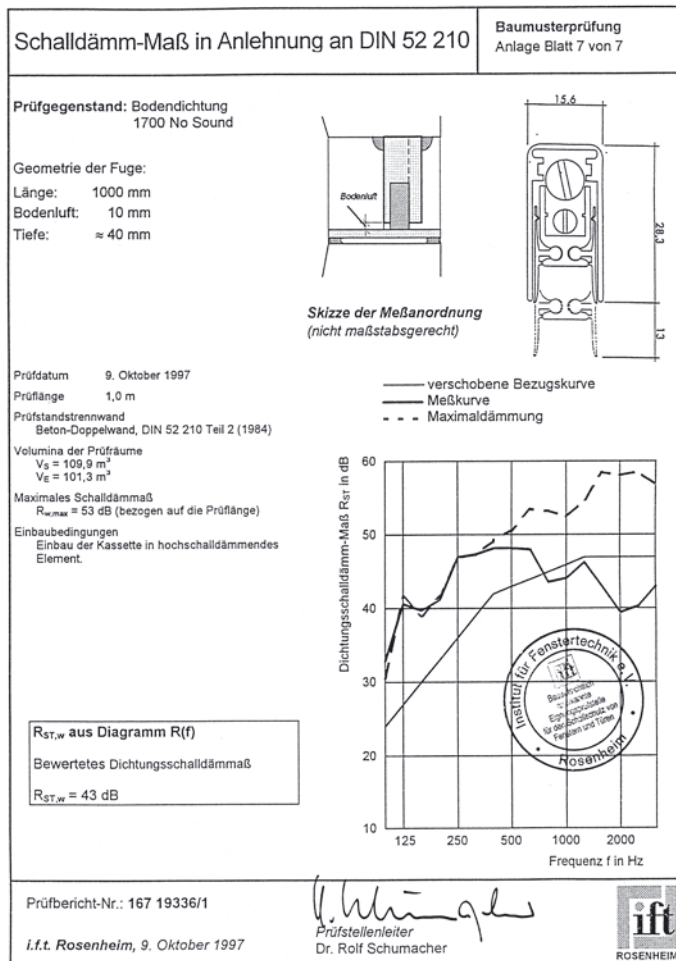
Automatic door seal – double lip seal

PG	Description	Dim. mm	PU	Order Number
YX	Automatic door seal Extra	730	32	H-00126-07-0-0
		830	32	H-00126-08-0-0
		930	32	H-00126-09-0-0
		1030	32	H-00126-10-0-0
		1130	32	H-00126-11-0-0



Product information

- The automatic door seal "extra" has double seals for additional sound and thermal insulation.
- The individual feature is a special "block system" which reduces the side-ways movement as the flexible profile is lowered. With a second adjustment screw it is possible to adjust both lock and hinge side individually.
- 2 silicone seals provide a sound reduction to 45 dB (certified by the German Institute for Window Techniques, Rosenheim).



Corner connectors for PVC profiles



**Corner connector HEV
with PVC core (fixed via screw)**

Corner connectors

PG	Description	Dim. mm	PU	Order Number
YXS	Corner connector HEV with plastic core (screw fixing)	40x40x3	10 sets	H-00471-00-0-0
		50x40x3	10 sets	H-00471-02-0-0
		60x40x3	10 sets	H-00471-01-0-0
		50x44x3	10 sets	H-00471-03-0-0
YW	Hexagonal Allen key, 6 mm		1 pc	9-37447-06-0-0

Application

Corner connectors are used to improve the torsional stiffness of PVC sashes. The dimensions correspond to the reinforcement of the PVC profile. The stiffness of larger elements can be improved by up to 55 %.

Corner connectors are pushed into the reinforcement and locked firmly using the Allen key. When welding, they need not to be displaced.

The contact surface of the corner connectors is made from material with a weld melt temperature of 245 °C. Thus a cavity-free and therefore solid weld is guaranteed.

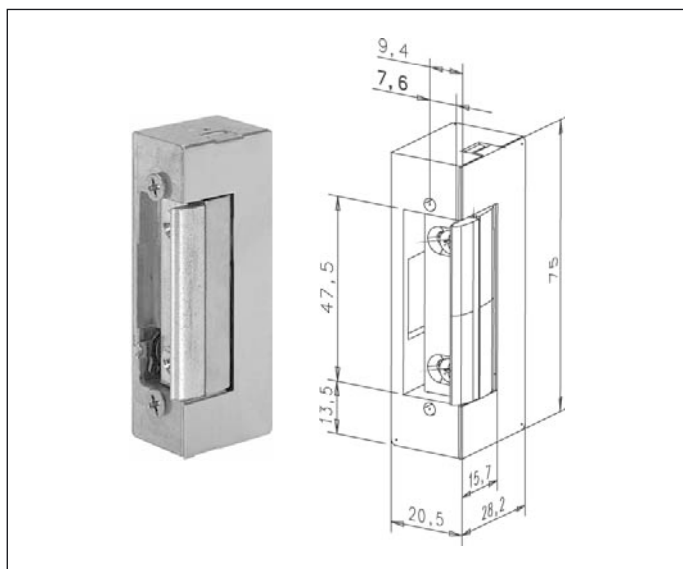
Electric door openers



Electric door opener G.U. Nr. 3-2 R me
H-00805-00-0-0

Electric door openers

PG	Description	PU	Order number
YXE	Electric door opener G.U. Nr. 1 me	1	H-00004-00-0-1
YXE	Electric door opener G.U. Nr. 3 R me	1	H-00313-00-0-1
YXE	Electric door opener G.U. Nr. 3-2 R me	1	H-00805-00-0-0
YXE	Electric door opener G.U. Nr. 2 me	left right	1 H-00005-00-L-1 1 H-00005-00-R-1
YXE	Electric door opener G.U. Nr. 4 R me	left right	1 H-00314-00-L-1 1 H-00314-00-R-1



Electric door opener G.U. Nr. 1 me

- symmetric construction
- DIN left and DIN right reversible
- cover from stainless steel
- latch plate screws M4 x 8, already turned in
- with mechanic release (me)
- with roller adjustment +/- 2 mm
- voltage tolerance 8 - 12 V
- without latch plate

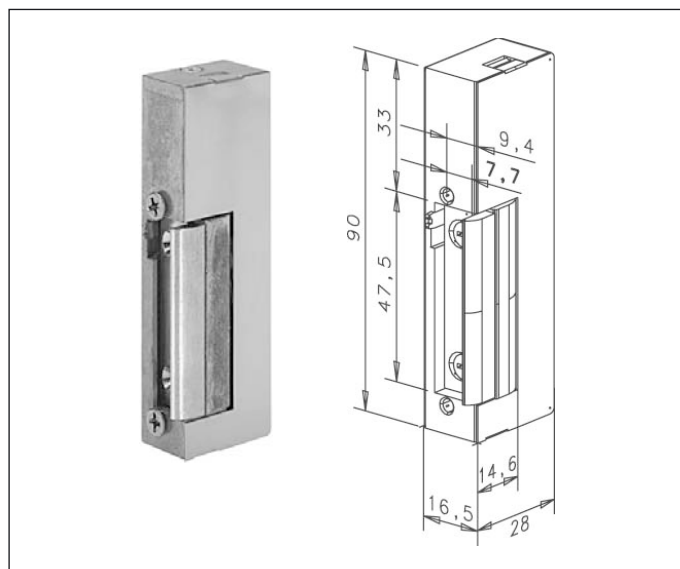
Electric door opener G.U. Nr. 3 R me

- Same as G.U. Nr. 1 me. Additional features:
- Especially suitable for the installation in slim PVC and metal profiles due to the rounded latch (R) demanding less space.
 - The pivot of the rounded latch (R) is not located centrally as with the standard opener but more towards the inside so that the latch does not stand out as it swivels.

Advantage

The lateral recess on a slim profile can be kept smaller – more aesthetical.

Legend:
me = mechanic release
R = rounded latch



Electric door opener G.U. Nr. 2 me

- asymmetric door opener with especially flat design for slim profiles
- DIN left and DIN right to choose
- cover from stainless steel
- latch plate screws M4 x 8, already turned in
- with mechanic release (me)
- with roller adjustment +/- 2mm
- voltage tolerance 8 - 12 V
- without latch plate

Electric door opener G.U. Nr. 4 R me

- Same as G.U. Nr. 2 me. Additional features:
- Especially suitable for the installation in slim PVC and metal profiles due to the rounded latch (R) demanding less space. (see G.U. Nr. 3 R me).

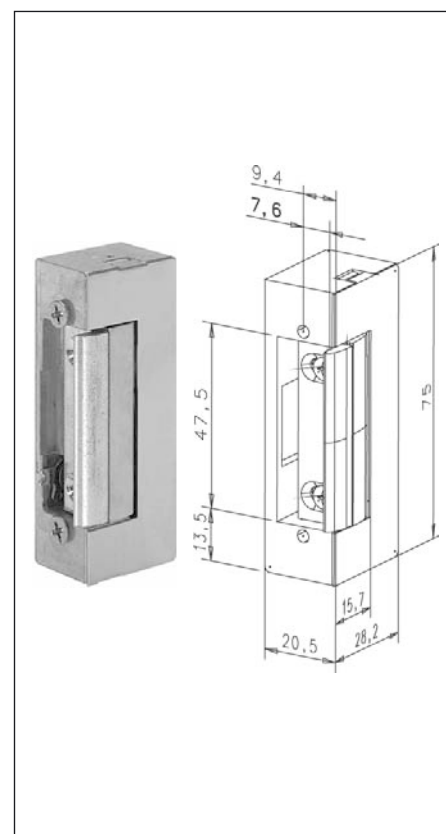
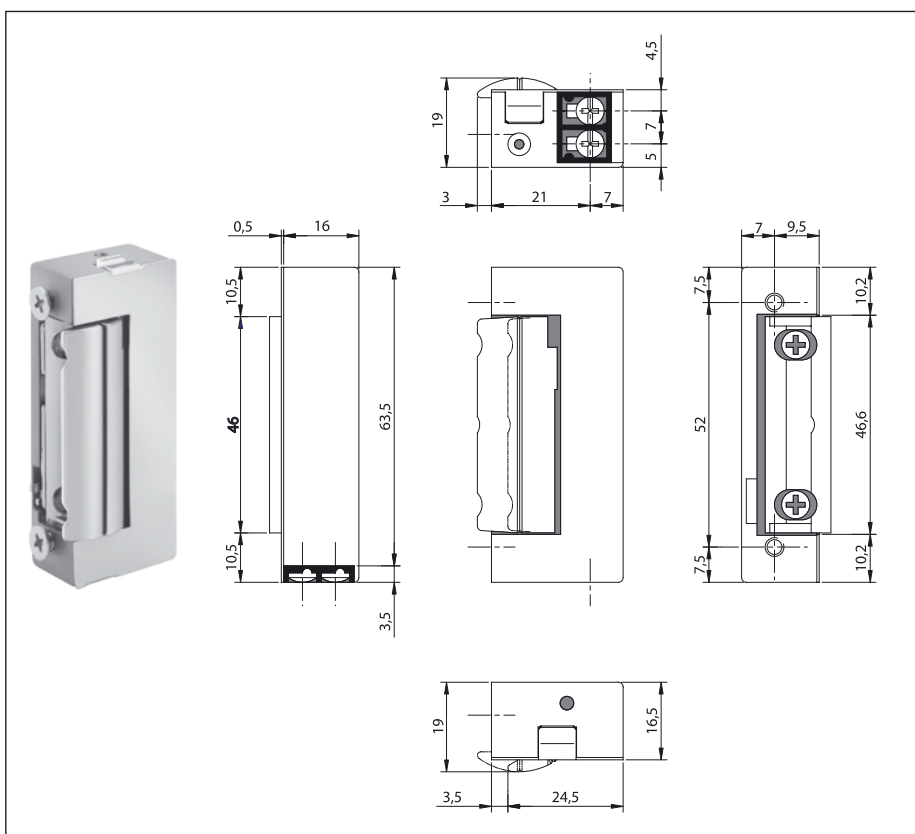
Electric door openers



Electric door opener G.U Nr. 5 R me
H-00759-00-0-1

Electric door opener

PG	Description	PU	Order number
YXE	Electric door opener G.U Nr. 5 R me	1	H-00759-00-0-1
YXE	Exchange piece G.U Nr. 11 me	1	H-00312-00-0-1



Electric door opener G.U Nr. 5 R me

- symmetric door opener with especially flat design for slim profiles
- especially suitable for the installation in slim PVC and metal profiles due to the rounded latch (R) demanding less space (see G.U Nr. 3 R me).
- DIN left and DIN right reversible
- cover from stainless steel
- latch plate screws M4 x 8, already turned in
- with mechanic release (me)
- with roller adjustment +/- 2 mm
- voltage tolerance 8 - 12 V
- without latch plate

Legend:

- me = mechanic release
- R = rounded latch

Exchange piece G.U Nr. 11 me with mechanic release

The exchange piece is applied where an electric door opener is not desired, whereas the advantage of a permanent mechanic release should be given. With a certain lever position the exchange piece allows free passage, e.g. to the public.

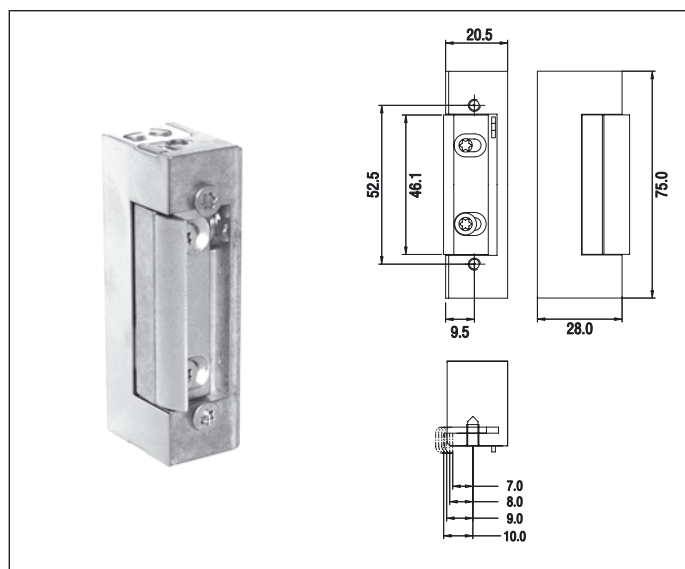
With returned lever the door is locked again.

- DIN left and DIN right reversible
- without latch plate

Electric door openers – new generation



Electric door opener G.U Nr. 1 me
H-00846-00-0-0



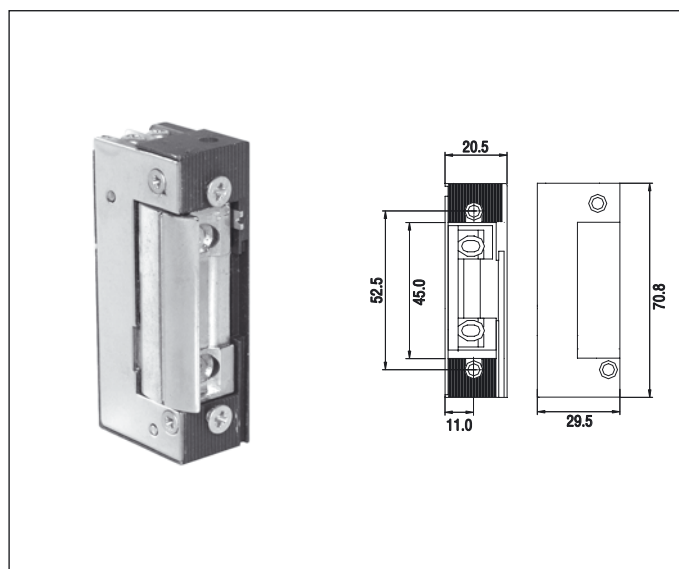
Electric door opener G.U Nr. 1 me – new generation

- symmetric construction
- DIN left and DIN right reversible
- cover from stainless steel
- latch plate screws already turned in
- with mechanic release (me)
- adjustment range 3 mm = 4 adjusting positions in 1-mm serrated detent
- voltage tolerance 8 - 12 V
- without latch plate
- suitable for all current latch plates

Legend:
me = mechanic release
R = rounded latch

Electric door openers – new generation

PG	Description	PU	Order number
YXE	Electric door opener G.U Nr. 1 me	1	H-00846-00-0-0
YXE	Electric door opener G.U Nr. 3 R me	1	H-00860-00-0-0



Electric door opener G.U Nr. 3 R me – new generation

Same as G.U Nr. 1 me. Additional features:

- Especially suitable for the installation in slim PVC and metal profiles due to the rounded latch (R) demanding less space.
- The pivot of the rounded latch (R) is not located centrally as with the standard opener but more towards the inside so that the latch does not stand out as it swivels.

Advantage

The lateral recess on a slim profile can be kept smaller – more aesthetical.

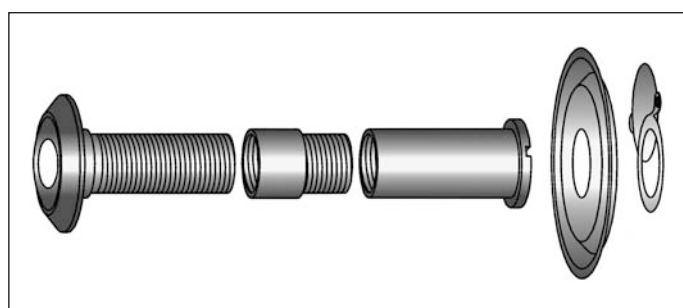
Door viewers



Door viewer – product range

Door viewers

PG	Description	Finish	PU	Order Number
YX	Door viewer, Ø 14 mm	polished brass	20	H-00104-14-0-3
	door thickness 35-60 mm	chrome plated	20	H-00104-14-0-1
YX	Extension 20 mm		20	H-00105-14-0-1
	for door viewer Ø 14 mm			
YX	Escutcheon	polished brass	20	H-00106-14-0-3
	for door viewer Ø 14 mm	chrome plated	20	H-00106-14-0-1
YX	Cover rosette	polished brass	20	H-00107-14-0-3
	for door viewer Ø 14 mm	chrome plated	20	H-00107-14-0-1



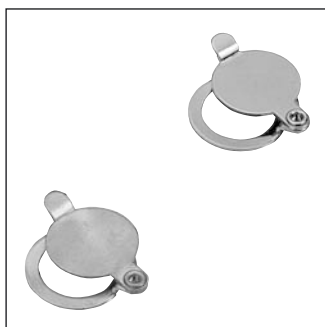
Door viewer – exploded view

Product information

View angle	200°
Diameter	14 mm
Door thickness	35 - 60 mm (over 60 mm use 20 mm extensions)
Accessories	Extensions Escutcheons Cover rosettes

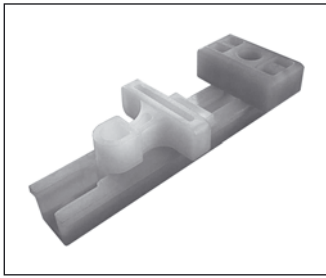


Extension 20 mm for door viewer



Escutcheon Ø 14 mm for door viewer

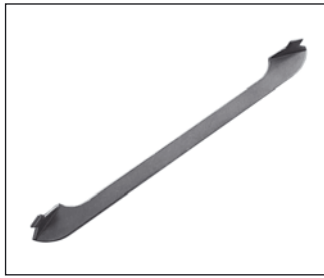
G.U Fixed glazing fastener, fixing clip HKF for fixed glazings



G.U fixed glazing fastener

Application

- for fixglazed windows
- suitable for all PVC profiles
- unlocking possible at any time



G.U fixed glazing tool

Application

With the G.U fixed glazing tool fixed glazings are easily locked and released.

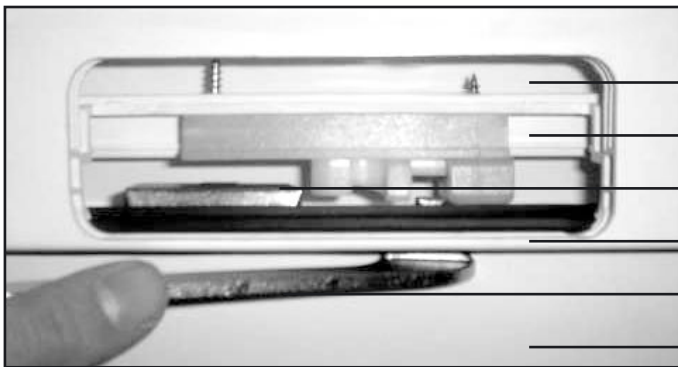
G.U Fixed glazing fastener

PG	Description	PU	Order Number
YX	G.U fixed glazing fastener		
	Groove position 13 mm	500 pcs.	H-00473-04-0-0
	Groove position 9 mm	500 pcs.	H-00473-05-0-0
	G.U fixed glazing tool	1 pc.	H-00479-00-0-0

Advantages

- With the G.U fixed glazing fastener corrosion prevention is improved because drilling is not required.
- Easy handling because the rebate clearance is always right
- With the G.U fixed glazing fastener fixed leaves can be installed and dismantled at any time without removing the glass.
- The risk of glass breaking is reduced.
- The complete window assembly can be effected in the workshop where it is more accurate.
- Simplified assembly also with oblique angle head windows and triangular windows.
- Also fixed glazed windows can be manufactured on assembly lines within cycle times.

Montage



Sash profiles with 16 mm groove

G.U fixed glazing fastener

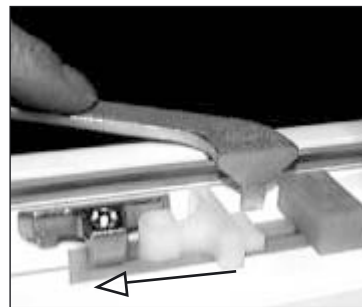
Standard locking plate

Overlap

G.U fixed glazing tool

Frame profile

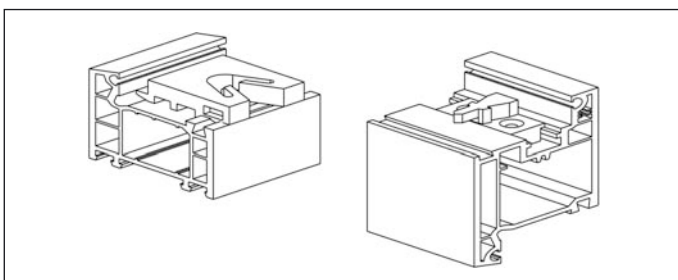
- G.U fixed glazing fasteners are screwed into the fitting groove of the window profile.
- Standard locking plates are mounted in the frame depending on the position of the fixed glazing fasteners.
- The fixed glazing is put in the frame with the pane mounted; the integrated spacer will provide equal rebate clearance.
- The G.U fixed glazing tool is used to reach under the internal sash overlap and to pull the fastener into locked position.



Fixed glazing fastener into locked position

- In order to remove the fixed glazing the fixed glazing fastener is pushed back with the tool.

Fixing clip HKF for fixed glazings



Fixing clip HKF for fixed glazings

Fixing clip HKF for fixed glazings

PG	Description	Colour	PU	Order number
YX	Fixing clip HKF for fixed glazings			
	HKF 1 – KBE	blue	250 sets	H-00473-03-0-0
	HKF 2 – Kömmerling	yellow	250 sets	H-00473-00-0-0
	HKF 3 – Rehau	red	250 sets	H-00473-01-0-0
	HKF 4 – Veka	white	250 sets	H-00473-02-0-0







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As a specialist manufacturer of hardware and ventilators, Gretsch-Unitas have been, for many years, the brand leader in several product areas. The market acceptability of the wide ranging product programme of builder's hardware and ventilators with up-to-date technology and design is proved in daily competition.



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The business range "entrance systems" encloses projection, production, distribution, assembly and service of automatic door installations. With ATS the G.U Group extends the supply of system solutions for windows, internal and external doors as well as for façades.



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