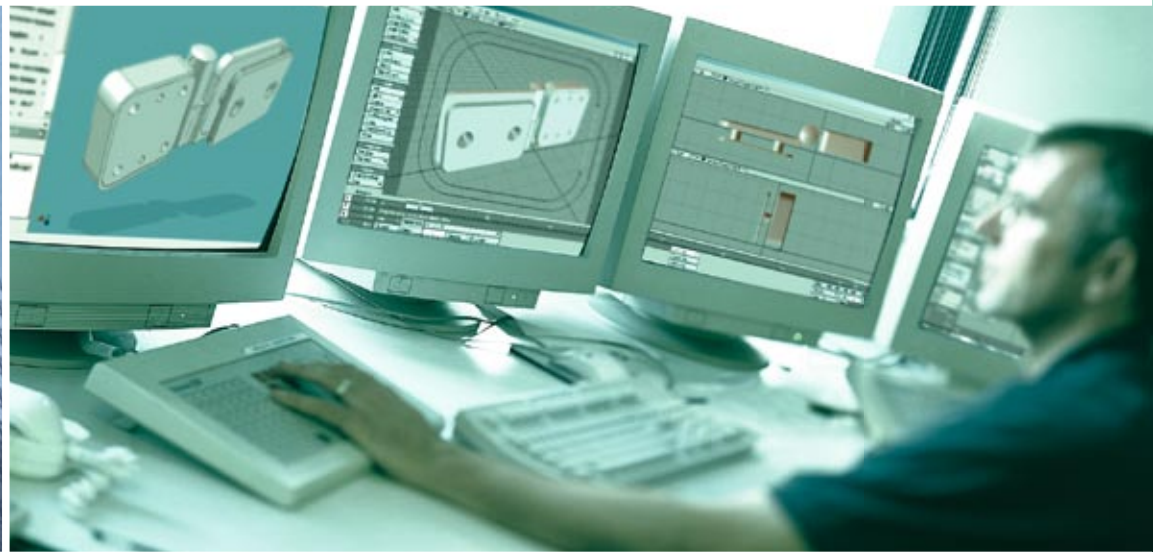
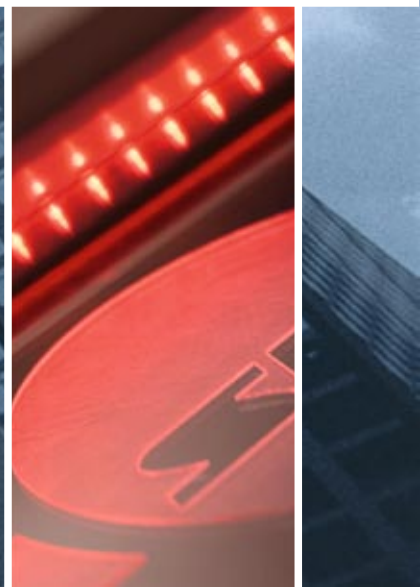




fittings for glass



always one step ahead



**„Sapere aude! -
dare to know!“**

(Immanuel Kant)

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Our partners

Prof. Sedlacek & Partner
Technologien im Bauwesen GmbH



Prüfstelle unserer Produkte!

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Our partners



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CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**SWS Gesellschaft für Glasbaubeschläge mbH
Friedrich-Engels-Str. 12, 51545 Waldbröl
Germany**

*has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:*

DIN EN ISO 9001:2000

The Quality Management System is applicable to:

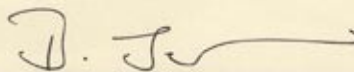
**Design, manufacture and sales of fittings
for the glass industry.**

Approval
Certificate No: KLN 0208398

Original Approval: 2 March 2000

Current Certificate: 1 March 2006

Certificate Expiry: 28 February 2009



Issued by: Lloyd's Register Quality Assurance GmbH



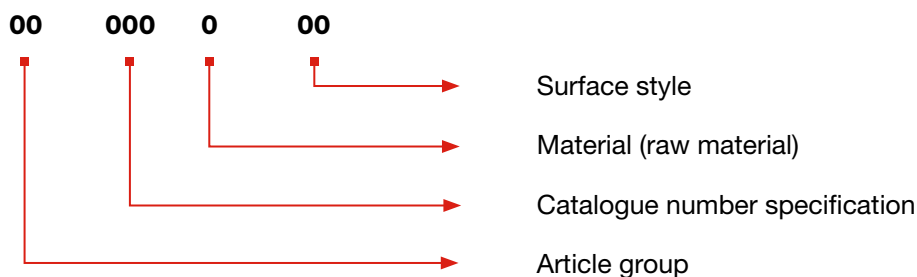
001

*This document is subject to the provision on the reverse
Bonner Str. 172-176, 50968 Cologne, Germany, Handelsregister No B 34587
This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.
The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001
Issue: January 2009*

LLOYD'S REGISTER QUALITY ASSURANCE

Catalogue numbering organisation:

The SWS catalogue numbering system is organised numerically and consists of 8 digits. In detail, these digits have the following meaning:



Article groups:

10	Clamp fixtures (ESG) (tempered safety glass)
15	Clamp fixtures (VSG) (composite glass)
17	Point fixture systems
20	Plate glass supports
22	Sign holders
30	Glass connectors
40	Glass door hinges
42	Glass doorknobs / Glass door handles
45	Bath fittings
47	Solid glass door fittings
50	Glass door locks
60	Mirror fasteners
70	Profiles
75	Glazing profiles
80	Sliding glass door fittings
82	Solid sliding glass door systems
99	Accessories / tools

Materials:

0	Various materials
1	Zinc die-casting
2	Aluminium
3	Brass
4	Steel
5	Stainless steel (VA)
6	Plastic
7	Rubber
8	Stainless steel
9	Glass

With publishing this catalogue we have made modifications of some catalogue numbers. All previous brochures lose its validity.

General notifications



General construction supervisory approval

Products that boast the DIBt logo have received general construction supervisory approval from the German Institute for Constructional Engineering or the approval has been applied for!



ETB tested!

The ETB directives (uniform technical regulations) have been compiled by the DIBt (German Institute for Constructional Engineering, Berlin) The fracture load (2.8 KN) for the fastening systems are especially determined during the test criteria!



Rustproof stainless steel

We have been members of the Warenzeichenverband Edelstahl Rostfrei E.V., (Rustproof Stainless Steel Trademark Association) since 2004. That means our product groups carrying this symbol are manufactured according to the association's strict directives!



e-power

... is used to represent an activation of electricity and control signals, which can be transported into the pane-level electricity-conducting glazing. The use of revolutionary LED technology is thus ensured!



Heating glass

... is used to represent an activation of electricity and control signals, which can be transported into the pane-level electricity-conducting glazing. This ensures heating panes can be utilized!



SWS-Security

... stands for products with special safety characteristics!



Technical directives for using crushproof glazing (TRaV)

The TRaV were passed by the DIBt (German Institute for Construction, Berlin) in January 2003. Products that carry this symbol are oriented on the TRaV directives and provisions!



TÜV Rhineland

Products that carry this symbol have been DESIGN CERTIFIED by TÜV Rhineland!



UV bondable

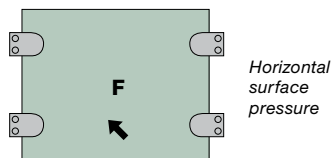
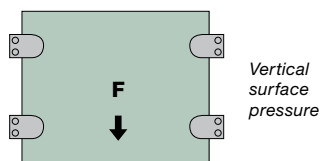
This mark indicates the products are ultraviolet bondable! We recommend pre-tests with appropriate adhesives!

The dimensions stated in this catalogue are always to be understood in mm! Exceptions to this are clearly marked at an appropriate point!

Technical notifications for clamp fixtures (ESG)

- **Derivation from the test results from the safety standards association (TÜV Rhineland safety standards authority)**

The systems are manufactured strictly in accordance with DIN regulations and their parent materials underlie constant monitoring!



Definition:

N = 1 Newton (unit of force)

F_{perm} = permissible force

The stated values were ascertained using 4 clamp fixtures.

The various glass thicknesses are attained by impressing variously thick elastomers 10 580 - 585 ff through plastic panes.

In cat. no. 10 600 ff, the clamping action is achieved through a bolt with a torque of 10 Nm.

The stated values were established at +50°C.

The stated values apply to a fastening of the clamp fixtures to steel.

- **ETB guidelines, „Securing components against crashing“**

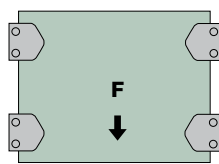
Version from June 1985 -DIN 4103 part 1- computational proof.

- According to ETB, the component must withstand a fracture load of at least 2.8 KN.
- When a grooved pin is being used, the fracture load is decreased by 15%!
- The technical values can be requested if desired.
- The stated values were ascertained using 4 clamp fixtures.

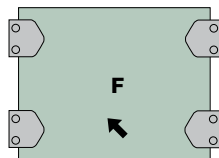
Technical notifications for clamp fixtures (VSG)

- Derivation from the test results from the safety standards association (TÜV Rhineland safety standards authority)**

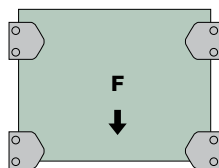
The systems are manufactured strictly in accordance with DIN regulations and their parent materials underlie constant monitoring!



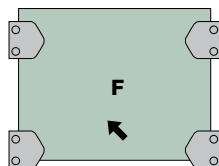
Vertical
surface
pressure



Horizontal
surface
pressure



Vertical
surface
pressure



Horizontal
surface
pressure

Definition:

N = 1 Newton (unit of force)

$F_{perm.}$ = Zulässige Kraft

The stated values were ascertained using 4 clamp fixtures.

The various glass thicknesses are attained by impressing variously thick elastomers.

The stated values were established at +50°C.

The stated values apply to a fastening of the clamp fixtures to steel.

Caution: Use of
securing pins is
a prerequisite!

- ETB guidelines, „Securing components against crashing“**

Version from June 1985 -DIN 4103 part 1- computational proof.

- According to ETB, the component must withstand a fracture load of at least 2.8 KN.
- When a grooved pin is being used, the fracture load is decreased by 15%!
- The technical values can be requested if desired.
- The stated values were ascertained using 4 clamp fixtures.

Technical notifications for glass plate supports

- **Derivation from the test results from the safety standards association (TÜV Rhineland safety standards authority)**

The glass plate supports are manufactured strictly in accordance with DIN regulations and their parent materials underlie constant monitoring!

During installation of panes, please ensure a gap width to the glass-plate support-rear section.

The loadability of the glass plate supports is influenced by the type of wall attachment.

The test findings were attained by attachment to structural steel.

Please select uniform attachment points (clearance) and pay attention to a uniform distribution of the loads!

Ultimate loads established at 200 mm outreach and 8 mm glass thickness!

N = 1 Newton (unit of force)

The stated values were ascertained with 2 or 4 glass-plate supports!

Technical notifications for profiles

- The following decorative surfaces are suitable for damp rooms:

- 16 (polished stainless steel)
- 22 (ground polished hard-chrome aluminium)
- 55 (ground stainless steel)

Technical notifications for glazing profiles

- **ETB guidelines „Securing components against crashing“**

Version from June 1985 -DIN 4103 part 1-

According to ETB, the component must withstand a fracture load of at least 2.8 KN.

The certification of maximum capacity has been proven for the hanging of a 15 mm thick glass pane !

During load initiation of the point load, 3 clamping points per meter with a max. clearance of ca. 33 cm were assumed.

Delivery and payment conditions



Freight conditions:

Starting from a net price of goods of 1000.- Euro, we supply free house within the Federal Republic of Germany, including packaging.

Package shipping:

24-hour service within the Federal Republic of Germany

48-hour service within the EU

Note:

Please observe a maximum length of 2.15 m for package shipping!



Payment conditions:

8 days 3% cash discount

2 days 5% cash discount (upon presentation of your bank direct debit order)

30 days net



General terms and conditions

1. GENERAL

- 1.1 The following conditions apply to all our deliveries and services including information and consultation.

Conditions posed by the customer apply only and insofar as they have been explicitly accepted in writing.

Divergent agreements are only respectively valid for a defined contract and not for subsequent contracts unless specifically otherwise agreed.

- 1.2 All agreements, collateral agreements, and contract modifications require the written form. This also applies to any annulment of this written form clause. In order to become effective, oral and written promises deviating from our terms and conditions and/or the order confirmation require the consent of our managing director or the assent of company officers in a number authorized to represent. Apart from that, our office and field representatives do not have any authority to make deviating agreements or grant special conditions.

2. INFORMATION AND CONSULTATIONS

Information and consultations regarding our products occur based on our previous experiences and the respective current state of knowledge. We assume no obligation for exact compliance with the values and applications possibilities. Clause 11 of these conditions covers any possible liability.

3. OFFER AND CONTRACT CONCLUSION

- 3.1 Our offers are non-binding. A supply or other contract is formed only if the customer order or other order has been confirmed in writing and the goods have been delivered.
- 3.2 Samples and tryouts are non-obligatory approval samples. The right to deviations that are customary in the trade or within the frame of normal fabrication tolerances is reserved in cases of purchases based on samples or tryouts. In cases of deliveries of samples or tryouts, the characteristics of the sample or tryout is not considered promised unless this has been explicitly defined in the order confirmation or in the catalogue/brochure.
- 3.3 All statements about our products, especially those in our offers, catalogues, printed matter, and electronic media, contain illustrations, technical drawings, weight and dimensional properties that are not guaranteed properties but rather descriptions and/or identifications of our products.

Insofar as no limits have been established for permissible deviations in the order confirmation and these have been identified as such, deviations customary in the trade (manufacturing tolerances) and DIN tolerances are permissible.

4. PRICES

- 4.1 Prices are applied according to our respectively current price lists per meter/piece/series/set.
- 4.2 If our other material procurement costs, power costs, or the wage and non-wage add-on costs increase between the date of the order confirmation and the date of delivery, we are authorised to accordingly adapt the agreed purchase price.
- 4.3 Value added tax, which the customer is to pay to the full legal extent, is to be calculated on top of all prices.
- 4.4 Unless otherwise expressly agreed, the customer is to pay all freight costs, insurance costs, extra charges, public charges and customs.

- 4.5 Upon delivery of the goods via pallets, control of the pallet delivery and the return via the creation of a pallet account is carried out, which is to be adjusted with the customer semi-annually. In case of deficiencies, the customer is obliged to compensate the contractor.

- 4.6 Overtime needed for the proper fulfilment of the contract can be invoiced separately. Clauses 4.1 and 4.2 are accordingly applied.

5. DELIVERY

- 5.1 Delivery times (deadlines) begin with the date of our order confirmation, but not before receipt of any possibly agreed deposit and not before the final clarification of all details of the order including production of possibly needed certifications. They are considered complied with upon the notification of the readiness for dispatch if the goods could not be sent on-time for reasons for which we are not responsible.
- 5.2 In cases of deadlines and dates not explicitly named in the order confirmation as fixed, the customer can fix a reasonable deadline for delivery/performance two weeks after its expiration. We can only then fall into arrears after this deadline has expired.
- 5.3 Deadlines and dates are automatically extended by the period in which the customer does not fulfil his obligations to us, without this damaging our right from delays. In cases of our default or of impossibility – regardless of the reason – we are liable for compensation claims of all kinds only under the proviso of clause 11 of these conditions. § 287 BGB (German Civil Code) is excluded.
- 5.4 The right of self-delivery remains reserved.
- 5.5 In cases of acts of God and other events over which we have no influence and that make delivery/performance significantly more difficult or impossible, such as interruptions of operations (e.g., fire, damage to tools, lack of materials or power) transportation delays, strikes, legal lock-outs, official measures, and the non-supply, late, or incorrect supply by our suppliers discharge us of the obligation from the respective contract, but obstacles of only temporary nature only for the period of the obstruction plus reasonable preparation time. Insofar as the customer cannot be expected to accept the delay, it can withdraw from the contract after previous consultation with us by immediately making a written declaration insofar as we have not yet partially fulfilled it.
- 5.6 The obligation to deliver and delivery deadlines are suspended as long as the customer is in arrears to us.
- 5.7 We are authorized to make partial deliveries.

6. DELIVERY AND PASSING OF RISKS

- 6.1 In all deliveries – even in deliveries made carriage free and delivered construction site – shipping and transport always follows at the customer's risk. The risk is transferred to the customer, even in partial deliveries, as soon as the shipment has been transferred to the person executing the transportation or has left our warehouse to be forwarded or has left our factory for delivery.
- 6.2 If the delivery of the shipment is delayed for reasons which lie with the customer, the passing of risk occurs upon notification of the customer of the readiness to ship. Warehousing costs are carried after passing of risk by the customer. In case of storage in our factory or warehouse, the storage costs amount to 1 % of the invoice amount per month. The right to prove higher storage costs remains reserved. We are authorised to dispose of the delivery through other means after fruitless expiration of a reasonable deadline set by us and to supply

the customer within a reasonably extended deadline.

7. BLANKET AND CALL ORDERS

- 7.1 Blanket and call orders oblige the customer to acceptance of the total amount upon which the blanket or call order is based.
- 7.2 Insofar as no specific call-up date is specified in the contract, the total quantity of the blanket/call order is to be called up within twelve months.
- 7.3 If the call dates are not maintained by the customer, we are authorised to completely deliver and invoice the entire quantity four weeks after written declaration with reference to the consequence of omission of the call. Our rights concerning delay by the customer remain unaffected. Clause 6.2 applies accordingly.

8. PAYMENT

- 8.1 Payments are to be made in Euros and are to be carried out free of costs and postage and only to the paying agent we have stated. Bills of exchange and checks are only considered valid as payment after redemption and are accepted without any obligation to prompt presentation and protest declaration.
- 8.2 Insofar as nothing else has been explicitly agreed, payments are to be made within 30 days of the invoice date without any discount.
- 8.3 In case of the exceeding of payment deadlines, we are authorized to charge interest in the amount of the respective bank rates for overdraft facilities but at least 3 % p.A. over the base interest rate of the European Central Bank. Every contract party is authorised to prove other and further contract damages.
- 8.4 The withholding of payments due to counterclaims or offsetting against counterclaims by the customer is only permissible if these counterclaims are uncontested or have been legally established.
- 8.5 All our demands – even those from other contracts with the customer – become immediately payable independent of the term of possibly accepted or credited bills of exchange in cases of delays of payment, exceeding the agreed credit line in the amount of more than 5 %, the protest of the bill of exchange or the stoppage of payment by the customer or if we otherwise become aware of circumstances that could give rise to justified and significant doubt of the solvency or credit worthiness of the customer. That also applies if these circumstances were present at the customer during contract conclusion but of which we were not aware or must not have been aware of. In all named cases, we are also authorised to carry out still-open deliveries against prepayment only or against securities, and, if the prepayment or security has not been initiated within two weeks, to withdraw from the contract without a renewed appointment of a date. Further claims remain unaffected.
- 8.6 Exchange rate differences will be charged to the payer.

9. RESERVATION OF TITLE

- 9.1 All delivered goods remain our property (reserved goods) until fulfilment of all demands, regardless of for which legal reason, including future arising or conditional demands resulting from simultaneous or later-concluded contracts. That also applies if payments on specifically identified demands have been made.
- 9.2 Processing and handling of the reserved goods are carried out for us as a manufacturer in the sense of § 950 BGB, without any obligation on our part. The processed goods are considered reserved goods in the sense of clause 9.1. During processing, connection, and mixing of the reserved goods with other goods by the customer, our joint ownership of the new item is in proportion to the invoice value of the reserved

goods to the invoice value of the otherwise used goods. If our ownership extinguishes through connection or mixing, the customer already now transfers its entitled ownership rights to the new holding or matter to the extent of the invoice value of the reserved goods and stores these on our behalf at no cost to us. The joint ownership rights coming into existence later are considered reserved goods in the sense of clause 9.1.

- 9.3 The customer is only authorised to sell the reserved goods, to process them, or to connect them with other items or to otherwise install them within the frame of a proper business operation and only so long as it is not in arrears, (following also called „resale“). Every other disposal of the reserved goods is impermissible. Seizure or other access to the reserved goods by third parties are to be reported immediately. All intervention costs will be charged the customer insofar as they cannot be confiscated (opponent of the protest suit) and the third party objection protest claim has been justifiably raised. If the customer grants its customer the purchase price, it must pass on the ownership of the reserved goods at the same conditions under which we have reserved the ownership of the delivery of reserved goods; however, the customer is not obliged to reserve the ownership for itself in consideration of future arising demands against his customer. Otherwise, the customer is not authorized to resell.
- 9.4 The customer's demands from the resale of the reserved goods are herewith assigned to us already now. They are used for security to the same extent as the reserved goods. The customer is only authorised and entitled to resale if it has been secured that the demands it is entitled to from the sale are transferred to us.
- 9.5 If the reserved goods are sold at a total price by the customer together with other goods not supplied by us, the cession of the demands from reselling the reserved goods are applicable only in the amount of the invoice value of our respective reserved property.
- 9.6 In case the seceded demands are included in a running invoice, the customer already now herewith secedes to us a part of the amount that corresponds to the amount of this demand including the final account balance from the open account.
- 9.7 The customer is entitled to collect the demands assigned to us up to our revocation. We are authorised to revocation if the customer does not properly fulfil its payment obligations to us based on business dealings or if circumstances become known to us that are suitable to significantly minimise the customer's credit worthiness. If the prerequisites for the exercising of the right to revocation are present, the customer must immediately inform us of the seceded demands and its debtor upon our demand, to make all information available needed to collect the demands, to handover the related documents to us, and to inform the debtor of the cession. We are authorised to inform the debtor about the assignment ourselves.
- 9.8 If the nominal value (invoice value of the goods or nominal amount of the demands) exceeds the securities assigned to us by more than 20 percent of secured demands assigned to us, we are obliged to release the securities in accordance with our choice, if so requested by the customer.
- 9.9 If we enforce the reservation of title, this is only considered a withdrawal from the contracts if we have explicitly declared such. The right of the customer to possess the reserved goods expires if it does not fulfil its duties in this or another contract.

10. CLAIMS DUE TO DEFECTS

We perform warranty for property and legal defects under exclusion of further claims subject to clause 11 as follows:

- 10.1 The customer is obliged to immediately carefully inspect the delivered goods – even if samples and tryouts were previously forwarded – upon receipt at his premises for completeness and due form.

The delivery is considered approved if the complaint was not received within five working days after its discovery in writing, electronically, or per telefax or if the defect was not recognizable after a proper inspection.

- 10.2 The carrier is to be notified of transport damage; the duties of notification of the General German Carrier Conditions (ADSp) and in the case of transnational transports the Convention on the Contract for the International Carriage of Goods by Road (CMR) apply.
- 10.3 Within the frame of legal regulations, the customer has the right to withdraw from the contract if we – with consideration of the legal exceptional cases – allow a reasonable deadline for the repair or replacement delivery for reasons of material defects to expire without fruitful results. If only an insignificant defect is present, the customer has the right merely to a reduction of the agreed price. The right to a reduction of the agreed price is excluded for any other reason.

Additional claims are determined by clause 11 of the conditions.

- 10.4 A material defect is not present in cases of deviations that are standard in the industry between the order confirmation and the delivered goods.

11. LIABILITY

- 11.1 If the goods cannot be utilized by the customer in accordance with the contract due to our responsibility as a consequence of neglectful or defective execution of suggestions or consultations that took place before or after contract conclusion or due to the violation of other contractual collateral duties, the regulations in the clauses 10 and 11 clause 2 apply accordingly with exclusion of any further rights of the customer.
- 11.2 For damage not arising in the delivered goods itself, we are liable, regardless of the legal arguments, only for intent, in cases of gross negligence by ourselves or our employees and sales representatives, in cases of culpable harm to life, body, or health, in cases of defects we have fraudulently concealed or the absence of which we have guaranteed, in cases of defects of the supplied object insofar as liability exists according to the product liability laws for persons and/or damage and privately used objects. In cases of culpable violation of significant contract obligations, in cases of gross negligence by non-managing employees or in case of slight negligence we are also liable restricted to the contract typical reasonable predictable damage.

Additional claims are excluded.

12. LIMITATION

- 12.1 All claims by the customer, regardless of the legal reason, expire in 12 months.
- 12.2 For compensation claims in clause 11, clause 2, the legal deadlines apply. They also apply for defects in a structure and for delivered objects used in a structure in accordance with their standard usage and which have caused faultiness.

13. FABRICATION IN ACCORDANCE WITH CUSTOMER INSTRUCTIONS

- 13.1 In cases of manufacturing according to customer drawings, samples, or the instructions from the customer, we assume no guarantee or liability for the functionality of the product or for any other defects insofar as the circumstances are due to the customer's instructions.
- 13.2 The customer releases us from all claims against us from third

parties, even due to product liability, from damage or harm caused by the goods unless we have caused the damage or harm through intent or gross negligence.

- 13.3 The customer grants us the guarantee the manufacture and delivery of the goods fabricated in accordance with its instructions will not violate any third parties' protective rights. In case of the enforcement of protective rights against us, we are authorised, without any legal examination of the possible claims by third parties, to withdraw from the contract after consultation with the customer unless the third party withdraws its enforcement of the protective rights against us within 8 days in the written form. The customer must indemnify us for any possibly arising damage or loss caused by the enforcement of the protective rights. In case of a withdrawal, work we have previously performed is to be compensated. Additional rights in legal regulations remain unaffected.
- 13.4 The dies, moulds, tools, and construction documentation we manufacture to execute the order remains exclusively our property. The customer is not entitled to any claims to these. This also applies if it has participated in the cost of fabrication of the moulds, dies, tools, and construction documents unless something else was explicitly agreed.

14. LEGAL VENUE, AUTHORITY, AND APPLICABLE LAW

- 14.1 The legal venue for our deliveries and payments by the customer is Waldbröl.
- 14.2 The authority for all disputes arising from this contract is our headquarters or the customer's headquarters as we choose, for customer's suits exclusively our headquarters. Legal regulations concerning exclusive authorities remain unaffected.
- 14.3 The laws of the Federal Republic of Germany apply to all legal relations between the customer and us. The United Nations Convention on Contracts for the International Sale of Goods (CISG) as well as other intergovernmental conventions, even after being taken over into German law, are not applicable.

15. SEVERABILITY CLAUSE

If a clause in these general terms and conditions becomes inoperative for any reason, the validity of the other clauses is not affected by this. In this case, the participants are obliged to replace the inoperative clause by an effective one with which the same commercial success is achieved as far as possible. Oral agreements have no validity.

Waldbröl, January 2005



Absolutely composed...



Whether for room glazings, ceiling suspensions, partitions, ceiling glazing, or hygiene protection – with the SWS glazing profiles the most varied glass solutions can be optimally, safely, and appealingly implemented in the room.

The ETB-tested systems convince thanks to their consequently thought-through technology offering simple installation and maximum safety. The glazing profiles can be used in ESG and in VSG areas.

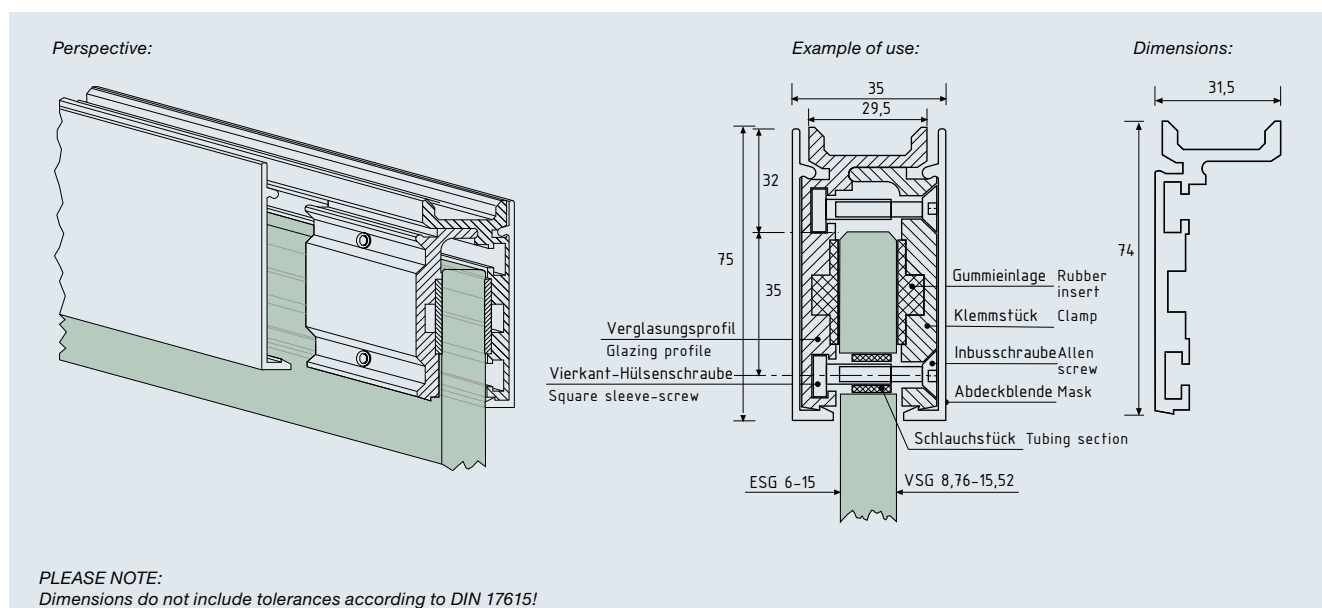
Glazing profile

- Glazing profile, not drilled
for ESG applications of 6 - 15 mm and
VSG applications of 8.76 - 15.52 mm



**ETB
geprüft!**

Technical data:



Catalogue number:

Cat. no.	Glass thickness	Material	Surface style	PU*
75 001 2 00	see table (page 4)	Aluminium	untreated	10 m

*Profile length 5000 mm



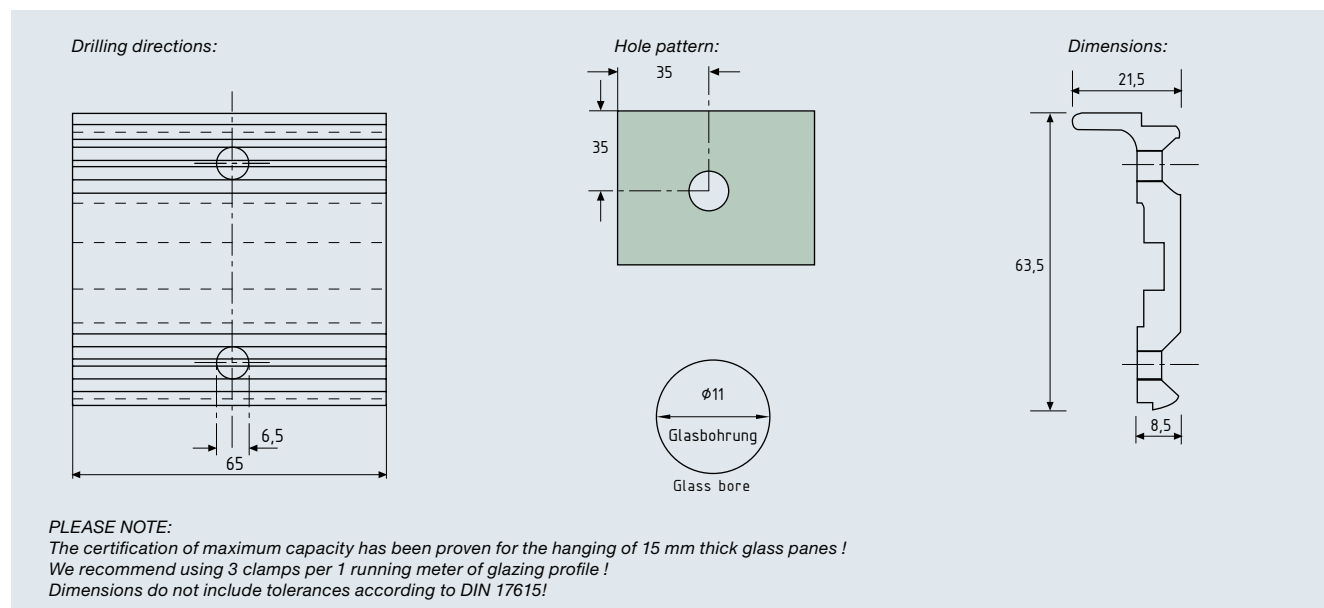
Clamp

- Clamp incl. 1 tubing piece,
2 square sleeve screws plus
2 M 6 allen screws



ETB
geprüft!

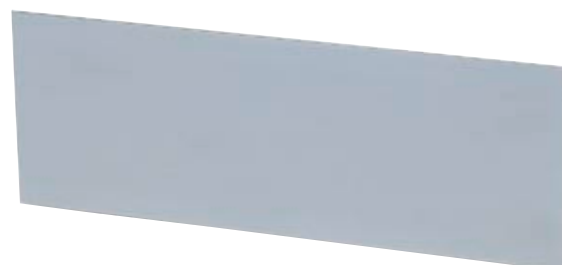
Technical data:



Catalogue number:

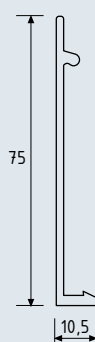
Cat. no.	Glass thickness	Material	Surface style	PU
75 002 2 00	see table (page 4)	Aluminium	untreated	15 each

- Masks for clipping on both sides of the glazing profile cat. no. 75 001 2 00 and clamp cat. no. 75 002 2 00



Technical data:

Dimensions:



Catalogue number:

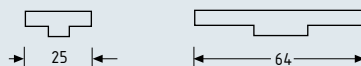
Material	Cat. no.	Code	Surface style	PU*
Aluminium	75 003 2	00	untreated	10 m
		22	ground polished hard chrome	
		33	white powder coated (RAL 9010)	
		37	white powder coated (RAL 9016)	
		38	deoxidised silver anodized (E6/EV1)	
		57	alinox (stainless-steel effect)	

*Profile length 5000 mm

Rubber inserts

- Rubber inserts for ESG + VSG applications

Technical data:



Catalogue number:

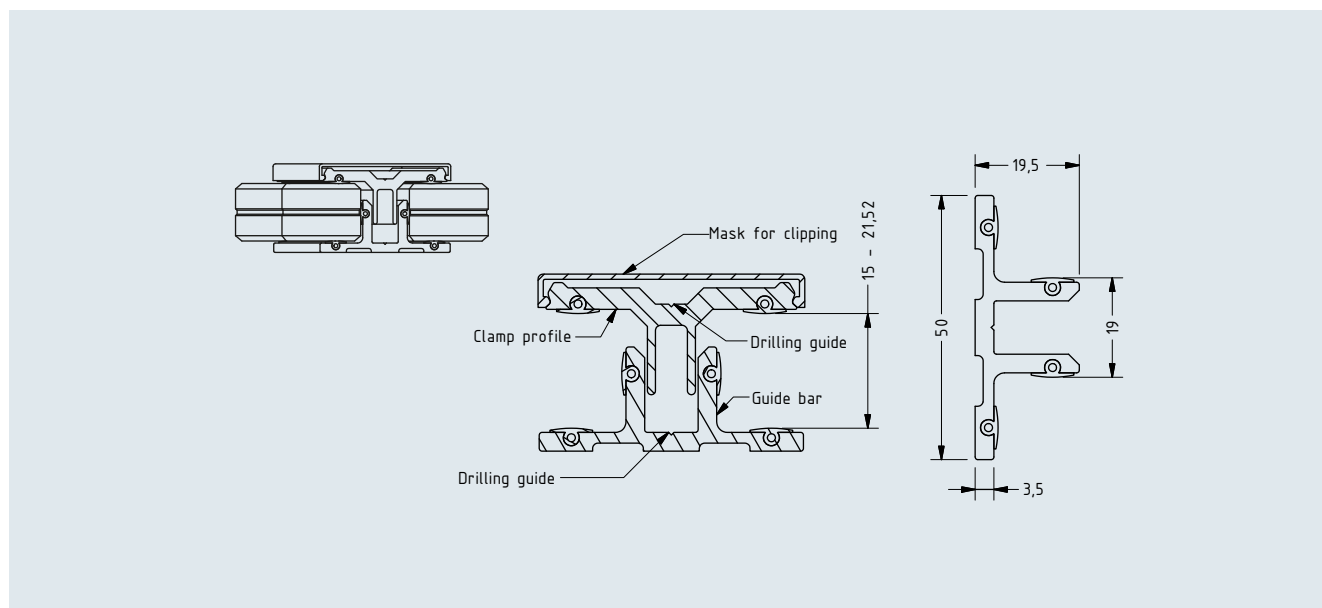
Cat. no.	Glass thickness	Number of rubber inserts /clamps	Material	PU
11 240 7 31 11 241 7 31	6.00 mm	1 each	Rubber	30 pieces
11 241 7 31 11 242 7 31	8.00 mm			
11 242 7 31	8.76 mm	2 each		
11 242 7 31 11 243 7 31	9.52 mm	1 each		
11 242 7 31 11 243 7 31	10.00 mm			
11 243 7 31	10.76 mm	2 each		
11 243 7 31 11 245 7 31	11.52 mm	1 each		
11 243 7 31 11 245 7 31	12.00 mm			
11 245 7 31	12.76 mm	2 each		
11 245 7 31	13.52 mm			
11 245 7 31	14.76 mm			
11 245 7 31	15.00 mm			
11 245 7 31	15.52 mm			

Roof glazing profile 50 mm

- Guide bar inclusive silicone



Technical data:



Catalogue number:

Cat. no.	Material	Surface style	PU*
75 010 2 00	Aluminium	raw	10 m
75 010 2 38	Aluminium	deoxidised silver anodized E6/EV	10 m

*Profile length 5000 mm

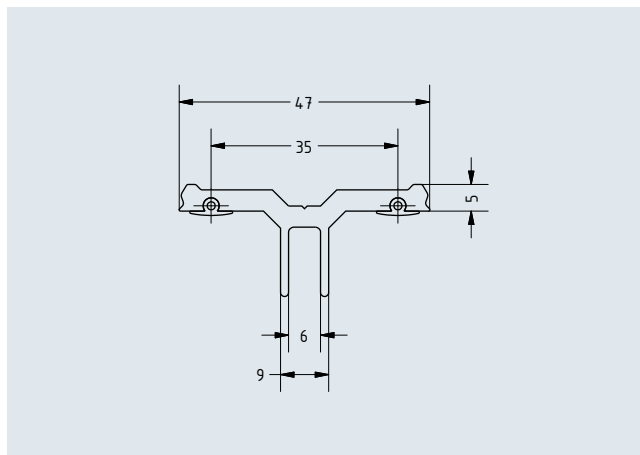


Roof glazing profile 50 mm

- Clamp profile inclusive silicone



Technical data:



Catalogue number:

Cat. no.	Material	Surface style	PU*
75 011 2 00	Aluminium	raw	10 m
75 011 2 38	Aluminium	deoxidised silver anodized E6/EV	10 m

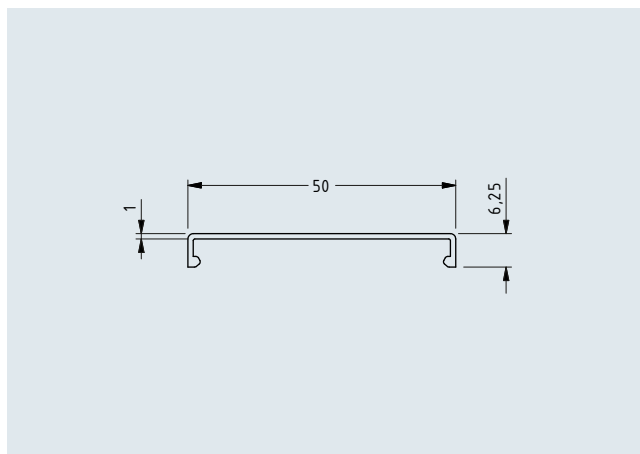
*Profile length 5000 mm

Roof glazing profile 50 mm

- Mask for clipping



Technical data:



Catalogue number:

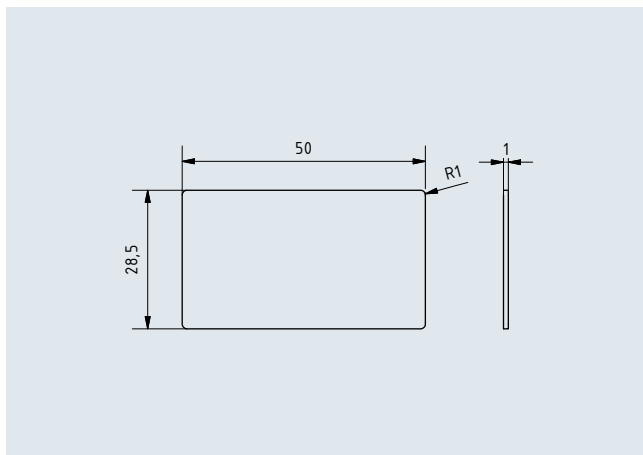
Cat. no.	Material	Surface style	PU*
75 012 2 00	Aluminium	raw	10 m
75 012 2 38	Aluminium	deoxidised silver anodized E6/EV	10 m

*Profile length 5000 mm

Roof glazing profile 50 mm

Technical data:

· End cap



Catalogue number:

Cat. no.	Material	Surface style	PU
75 013 2 38	Aluminium	deoxidised silver anodized E6/EV	10 each

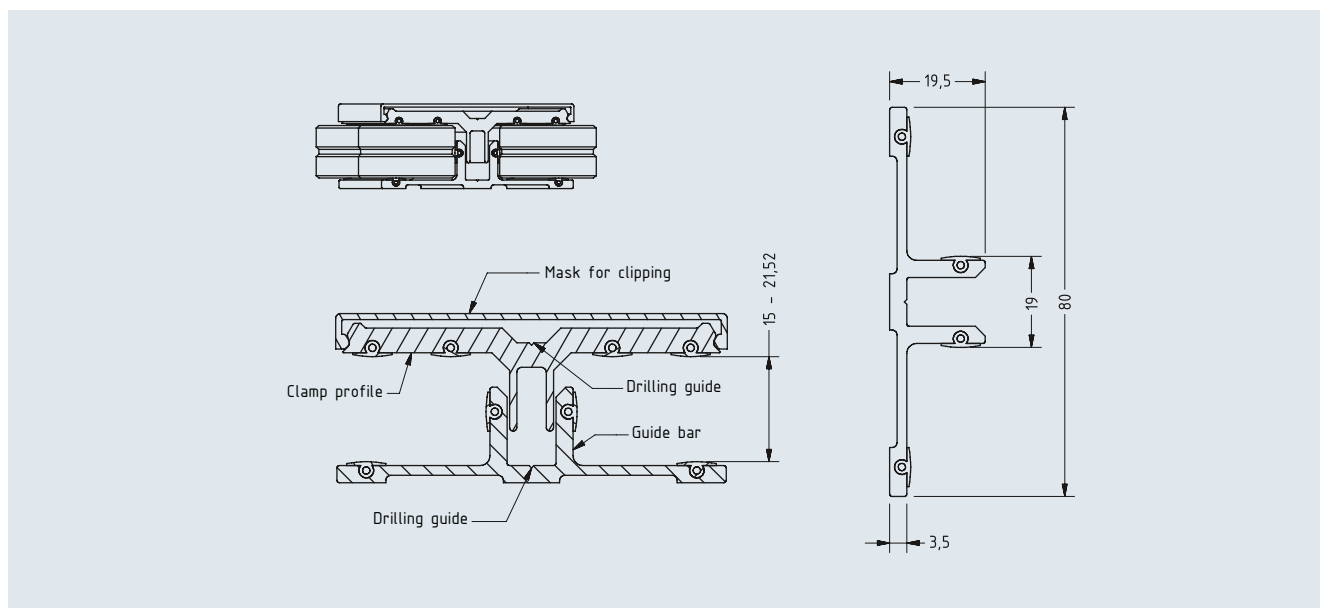


Roof glazing profile 80 mm

- Guide bar inclusive silicone



Technical data:



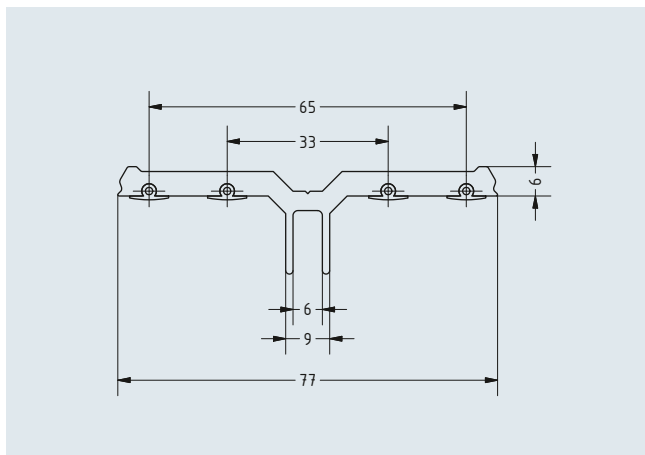
Catalogue number:

Cat. no.	Material	Surface style	PU*
75 015 2 00	Aluminium	raw	10 m
75 015 2 38	Aluminium	deoxidised silver anodized E6/EV	10 m

*Profile length 5000 mm

Roof glazing profile 80 mm

Technical data:



- Clamp profile inclusive silicone



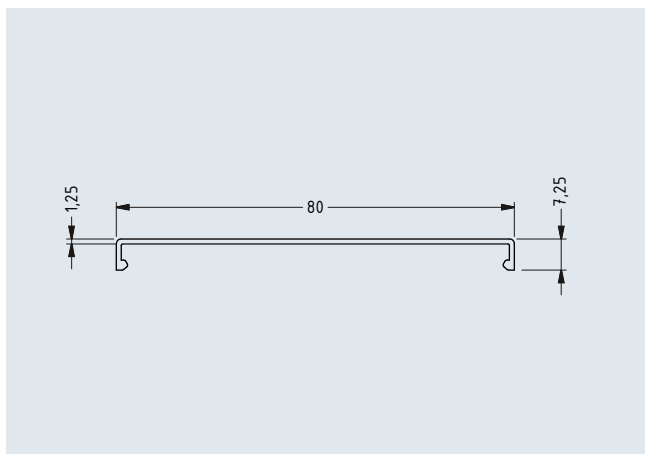
Catalogue number:

Cat. no.	Material	Surface style	PU*
75 016 2 00	Aluminium	raw	10 m
75 016 2 38	Aluminium	deoxidised silver anodized E6/EV	10 m

*Profile length 5000 mm

Roof glazing profile 80 mm

Technical data:



- Mask for clipping



Catalogue number:

Cat. no.	Material	Surface style	PU*
75 017 2 00	Aluminium	raw	10 m
75 017 2 38	Aluminium	deoxidised silver anodized E6/EV	10 m

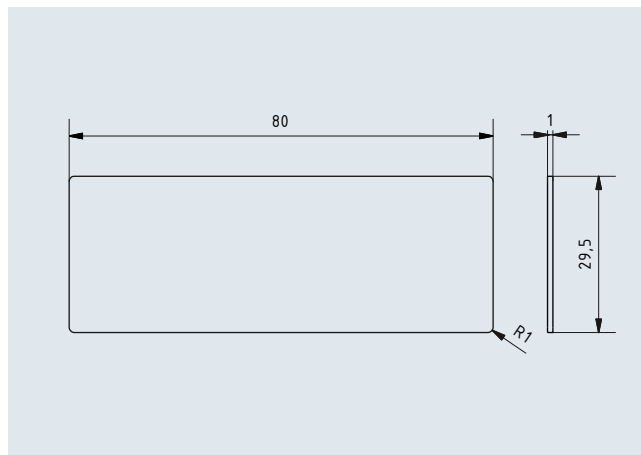
*Profile length 5000 mm

Roof glazing profile 80 mm

- End cap



Technical data:

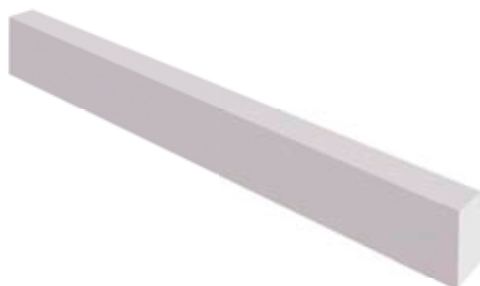


Catalogue number:

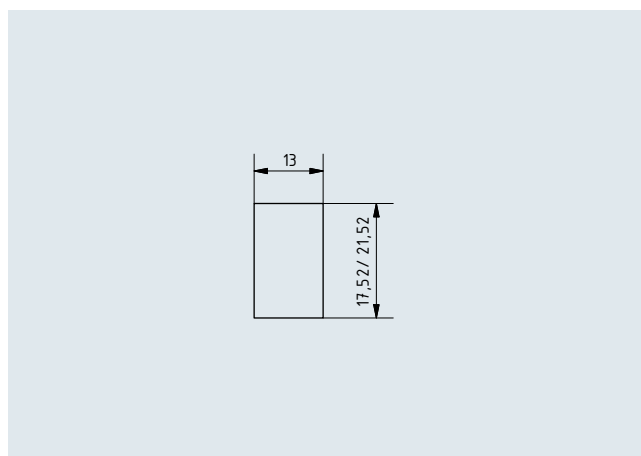
Cat. no.	Material	Surface style	PU
75 018 2 38	Aluminium	deoxidised silver anodized E6/EV	10 each

Roof glazing profile 80 mm

- Inlay profile



Technical data:



Catalogue number:

Cat. no.	Plattenstärke	Material	Surface style	PU*
75 020 6 00	17,52 mm	Plastic	white	4 Lengths
75 021 6 00	21,52 mm	Plastic	weiß	4 Lengths

*Profile length 3050 mm

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