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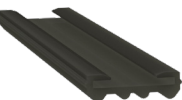
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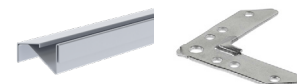
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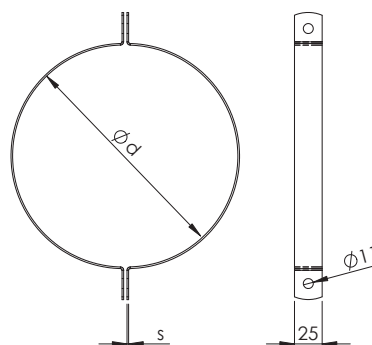
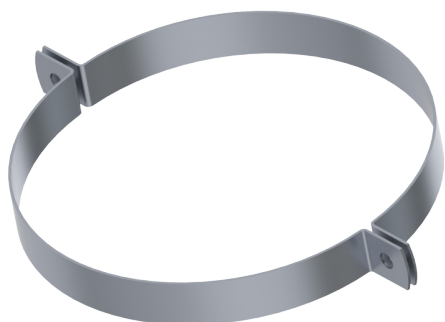


Connection details of
rectangular duct

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TK Clamp

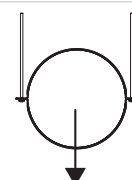


TK is a clamp for installing ventilation ducts.

- Material: galvanized steel (Z275)
- Two arcs in the set
- For duct diameters from 100 to 1250 mm

Nominal size d (mm)	Material thickness s (mm)	Weight (kg)
100	1,5	0,14
125	1,5	0,16
160	1,5	0,20
200	1,5	0,24
250	1,5	0,28
315	2,0	0,44
400	2,0	0,56
500	2,0	0,68
630	2,0	0,84
800	2,0	1,04
1000	3,0	1,94
1250	3,0	2,40

Maximum allowed loads



Size	Ventilation duct R0-R60	Smoke extraction 600 °C 120 min
100–1250	200 kg	200 kg

Product Marking

TK - H - d

Marking _____

Material _____

Standard material galvanized steel sheet (not marked)

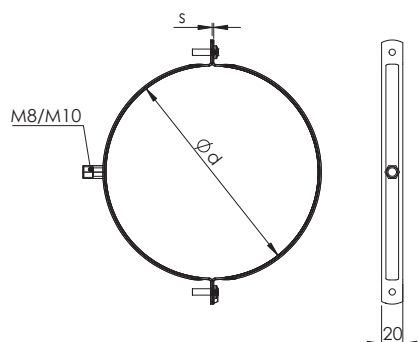
H - acid-proof steel (AISI 316)

P - RAL colour, when powder coated

Duct diameter d _____

Example: TK 200
TK-P 400 RAL 9006

TK M8/M10 Clamp

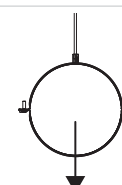


TK M8/M10 is a clamp with M8/M10 nuts and screws for installing ventilation ducts. Suitable for use in the corrosivity category C1-C3.

- M6 cross-head screws to connect the arcs
- Material: galvanized steel sheet (Z275)
- Duct diameters 100-400 mm

Nominal size d (mm)	Material thickness s (mm)	Weight (kg)
100	1,5	0,1
125	1,5	0,15
160	1,5	0,19
200	1,5	0,22
250	1,5	0,27
315	1,5	0,34
400	1,5	0,43

Maximum allowed loads



Size	R0
100-400	65 kg

Product Marking

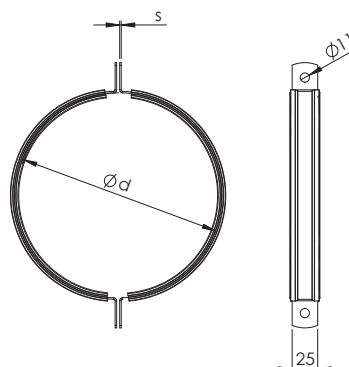
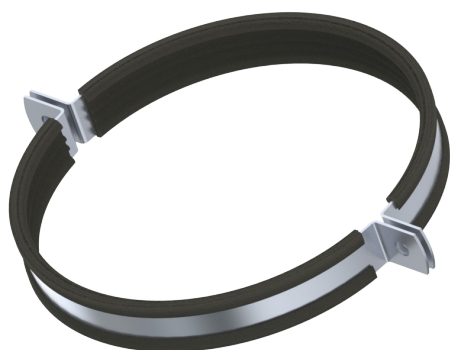
TK M8 - d

Marking

Duct diameter d

Example: TK M8 200

TKM Clamp with rubber seal

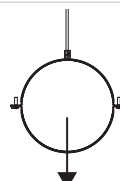


TKM is a clamp with a rubber seal.

- Material: galvanized steel sheet (Z275)
- EPDM rubber seal to reduce vibration and noise
- Duct diameters 100-1250 mm

Nominal size d (mm)	Material thickness s (mm)	Weight (kg)
100	1,5	0,18
125	1,5	0,21
160	1,5	0,27
200	1,5	0,32
250	1,5	0,38
315	2,0	0,57
400	2,0	0,73
500	2,0	0,89
630	2,0	1,10
800	2,0	1,37
1000	3,0	2,3
1250	3,0	2,9

Maximum allowed loads

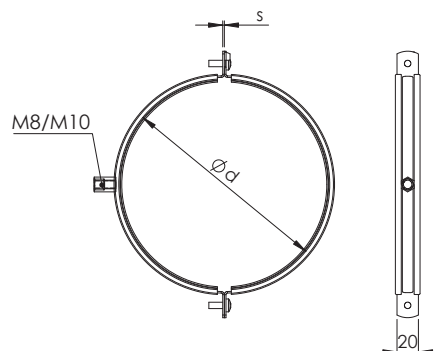
	
Size	R0
100–1250	160 kg

Product Marking

	TKM	-	H	-	d
Marking					
Material					
	Standard material galvanized steel sheet (not marked)				
	H - acid-proof steel (AISI 316)				
	P - RAL colour, when powder coated				
Duct diameter d					

Example: TKM 200
TKM-P 400 RAL 9006

TKM M8 Clamp with rubber seal



TKM M8 is a clamp with rubber-sealed ventilation duct installation clamp with M8/M10 nuts and screws.

- M6 cross-head screws to connect the arcs
- Material: galvanized steel sheet (Z275)
- EPDM rubber seal to reduce vibration and noise
- Duct diameters 100-400 mm

Nominal size d (mm)	Material thickness (mm)	Weight (kg)
100	1,5	0,20
125	1,5	0,24
160	1,5	0,28
200	1,5	0,34
250	2,0	0,5
315	2,0	0,7
400	2,0	0,9

Maximum allowed loads

Mööt	R0
100–400	65 kg

Product Marking

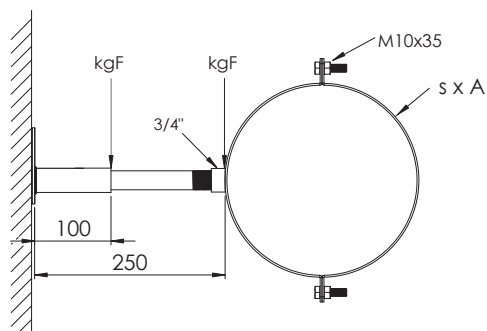
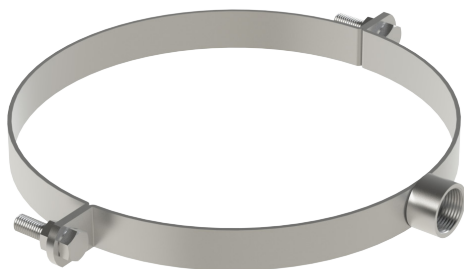
TKM M8 - d

Marking _____

Duct diameter d _____

Example: TKM M8 200

VSK Wall fixing clamp



VSK is a wall-fixing clamp designed for installing ventilation duct.

- Material: galvanized steel sheet (EN 10111)
- M10x35 bolts and 3/4" sleeves are used to connect the arcs.
- Duct diameters 100-1250 mm

Product Marking

Marking VSK - d

Duct diameter d

Example: VSK 200

Nominal size d (mm)	Material thickness s (mm)	A (mm)	Weight (kg)
100	2,5	25	0,22
125	2,5	25	0,25
160	2,5	25	0,28
200	2,5	25	0,31
250	2,5	25	0,36
315	2,5	25	0,55
400	2,5	25	0,65
500	3,0	40	0,78
630	3,0	40	0,95
800	3,0	40	1,2
1000	3,0	40	2,1
1250	3,0	40	2,6

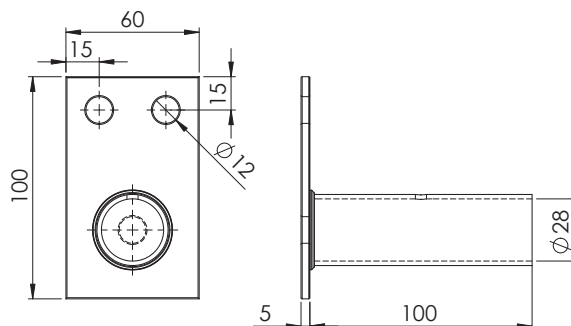
Allowed point loads

d (mm)	L=100 kgF	L=250 kgF
100-1250	364	95

VSK Wall fixing clamp foot

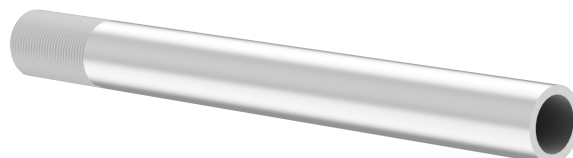
A wall-fixing clamp foot designed to support vertical ventilation ducts. Install by fastening it to the wall with wedge anchors.

- Material: steel DD11 (EN 10111)
- Covered with galvanized zinc coating

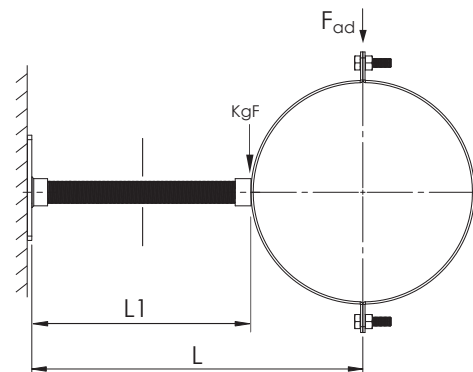
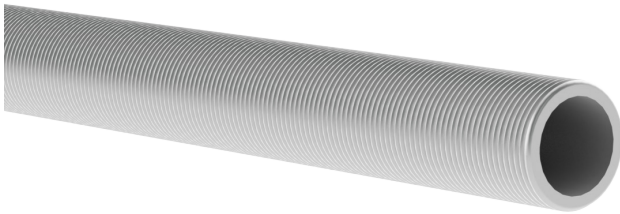


VSK Wall fixing clamp tube

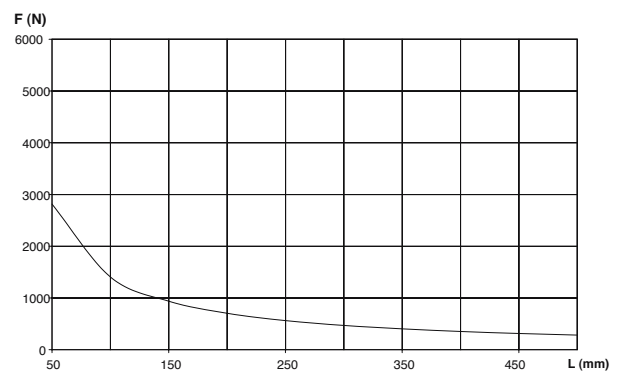
- Material: 3 mm steel (EN 10111)
- Covered with galvanized zinc coating
- Length: 250 mm



Threaded rod 3/4", 2 m

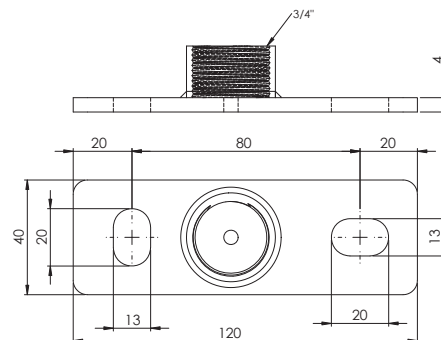
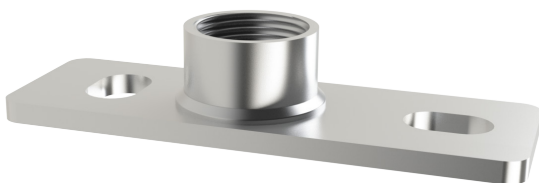


- Material: steel (DIN 976), class 4,6
- Covered with galvanized zinc coating
- Length: 2 m
- Maximum deflection under load: $f_{\max} \leq 3 \text{ mm}$
- Allowable material stress: $\sigma_{ad} = 160 \text{ N/mm}^2$
- Allowed point loads, if $L1=320$ is 41 kgF.



NB! The allowed load of the clamp has not been taken into account.

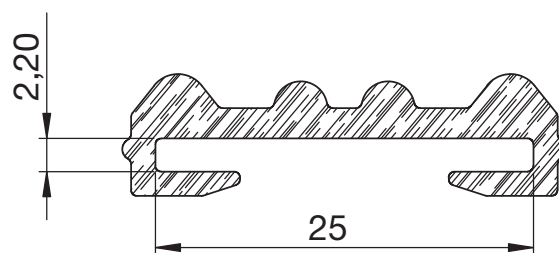
VSK Mounting plate, 3/4"-thread



Fixed point base plate. Attach to the wall with wedge anchors.

- Material: steel DD11 (EN 10111)
- Surface finishing: electrogalvanized
- Allowable tensile strength: 4,0 kN

Rubber profile

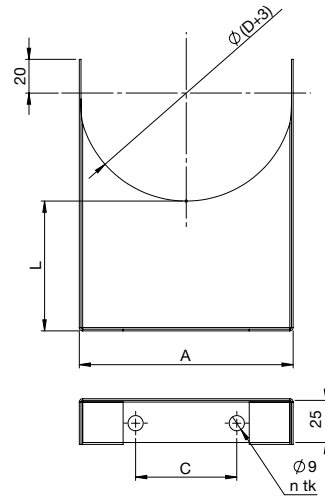


EPDM rubber profile for the clamp of the ventilation duct. The rubber seal helps reduce noise caused by vibration in the ventilation duct.

- EPDM rubber profile
- Suitable for clamps with a width of 25 mm
- 125 m per package
- Temperature tolerance -40 °C to +130 °C

EPDM rubber is a soft and elastic material with excellent dynamic and technical characteristics. The rubber profile helps prevent scratches caused by friction between metal parts and partially mitigates displacements caused by thermal expansion.

TKR Wall clamp

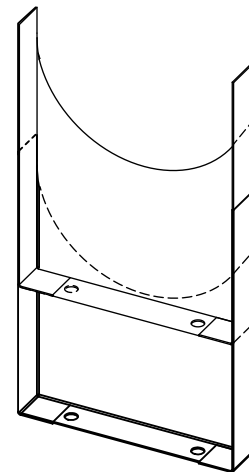


TKR is a clamp designed for installing round ducts on flat surfaces. The bracket has 9 mm mounting holes.

- Material: galvanized steel sheet (Z275) or acid-proof steel (AISI 316)
- Duct diameters 100-630 mm
- TKR 75 support height L=75 mm
- TKR 100 support height L=100 mm

The height can be adjusted by using two TKR wall clamps nested inside each other. Self-drilling screws must be used for fixing on both sides. The range for adjusting the support height L is 100-200 mm.

Nominal size d (mm)	A (mm)	F (mm)		Material thickness s (mm)	TKR 75	TKR 100
		TKR 75	TKR 100		Weight (kg)	Weight (kg)
80	85	163	188	1,0	0,09	0,11
100	105	173	198	1,0	0,1	0,12
125	130	185	210	1,0	0,12	0,15
160	165	203	228	1,0	0,15	0,18
200	205	223	248	1,0	0,25	0,29
250	255	248	273	1,2	0,3	0,35
315	320	280	305	1,2	0,39	0,46
400	405	323	348	1,2	0,5	0,59
500	505	373	398	1,2	0,65	0,76
630	635	438	463	1,2	0,875	1,02



Product Marking

Marking _____

Duct diameter d _____

TKR - d

Example: TKR 200

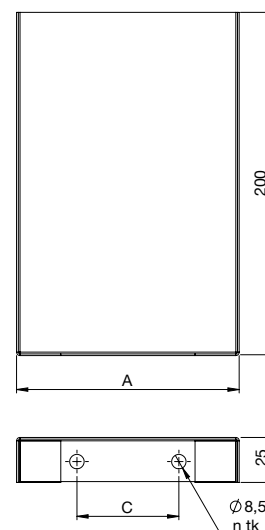
TKP Adjust clamp

Adjust clamp for TKR wall clamp.

The clamp has 9 mm mounting holes. Self-drilling screws must be used for fixing on both sides.

The range for adjusting the support height L is 200-220 mm.

Nominal size d (mm)	A (mm)	Mat. thickness s (mm)	Weight (kg)
100	109	1,0	0,20
125	134	1,0	0,30
160	169	1,0	0,40
200	209	1,0	0,50
250	259	1,2	0,70
315	324	1,2	0,80
400	409	1,2	1,00
500	509	1,2	1,20
630	639	1,2	1,50



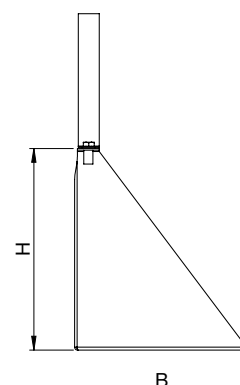
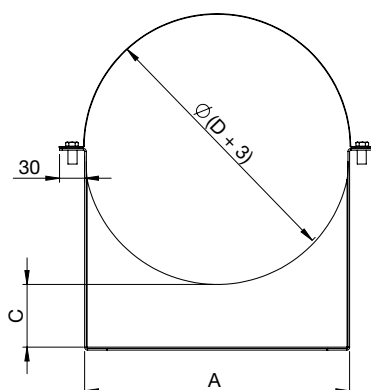
Product marking

Marking _____ TKP - d

Duct diameter d _____

Example: TKP 200

TKT Wall clamp/console



TKT is a clamp/console for securing round ducts. The clamp/console has 9 mm mounting holes. The clamp/console with rivet nut and bolt connection M8x20 Zn is used to fix the pipes.

- Clamps/consolas are made of hot-dip galvanized sheet steel (Z275).
- Duct diameters 100–630 mm
- Support height L=75 mm

The maximum allowed load is 0,5 kN.

Nominal size d (mm)	A (mm)	B (mm)	H (mm)	Console	TK clamp	Weight (kg)
				Mat. thickness s (mm)	Mat. thickness s (mm)	
100	105	125	126	1,0	1,0	0,40
125	130	125	139	1,0	1,0	0,50
160	165	150	156	1,0	1,0	0,60
200	505	150	176	1,0	1,0	0,90
250	255	150	201	1,2	2,0	1,00
315	320	200	234	1,2	2,0	1,40
400	405	200	276	1,2	2,0	1,60
500	505	250	326	1,2	2,0	2,30
630	635	300	391	1,2	2,0	3,40

Product marking



Example: TKT 200

TKV Clamp

Round duct hanging clamp with a 9 mm bolt hole.

Made of steel (Z275).

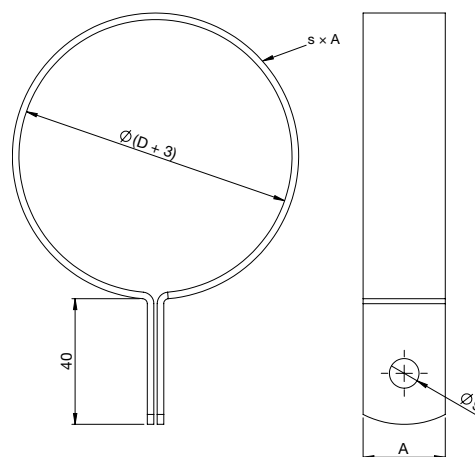
It is possible to order in the C4 environmental class painted with powder paint or in the C5 environmental class made of acid-resistant material.

The maximum allowed load of TKV 25 is 0,8 kN.

The maximum allowed load of TKV 30 is 1 kN.



Nominal size d (mm)	TKV 25			TKV 30		
	A (mm)	Mat. thickness s (mm)	Weight (kg)	A (mm)	Mat. thickness s (mm)	Weight (kg)
100	25	2,0	0,15	30	1,25	0,13
125	25	2,0	0,18	30	1,25	0,16
160	25	2,0	0,22	30	1,5	0,20
200	25	2,0	0,27	30	1,5	0,24
250	25	2,0	0,33	30	1,5	0,30
315	25	2,0	0,41	30	1,5	0,36
400	25	2,0	0,52	30	2,0	0,47
500	25	2,0	0,64	30	2,0	0,65
630	25	2,0	0,80	30	2,0	0,73



Product marking

TKV - d

Marking _____

Duct diameter d _____

Example: TKV-P 125-30

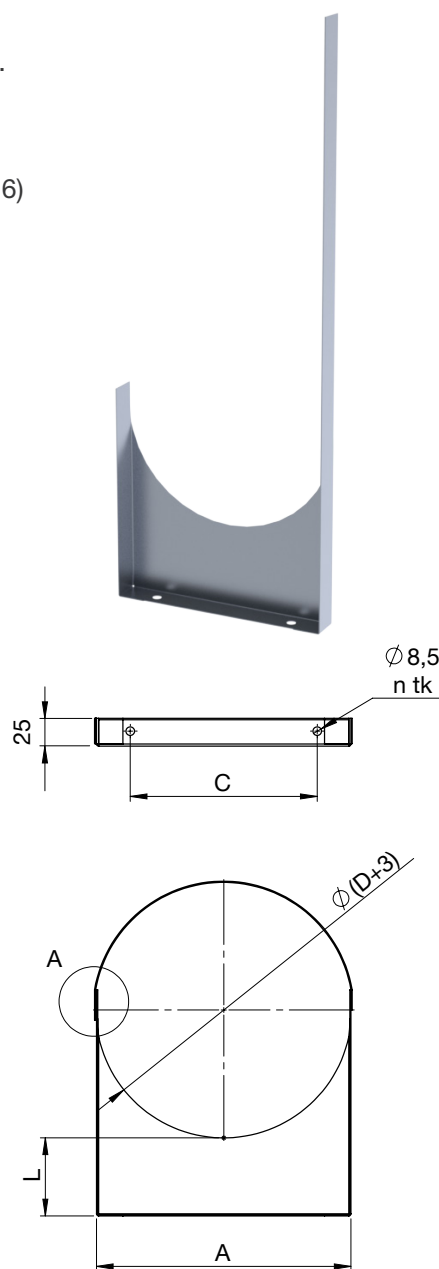
TKF Clamp wall strap

TKF clamp with a flexible loop for installing round ducts on flat surfaces.
The clamp has 9 mm mounting holes.

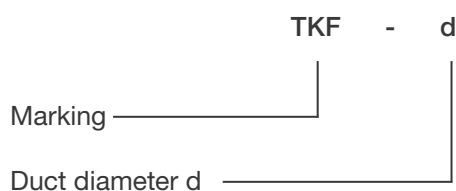
- Material: galvanized steel sheet (Z275) or acid-proof steel (AISI 316)
- Duct diameters 100-630 mm
- TKF 75 support height L=75 mm
- TKF 100 support height L=100 mm

The maximum allowed load is 0,5 kN.

Nominal size d (mm)	A (mm)	Mat. thickness s (mm)	Weight (kg)
80	85	1,0	0,20
100	105	1,0	0,30
125	130	1,0	0,40
160	165	1,0	0,50
200	205	1,0	0,70
250	255	1,2	1,00
315	320	1,2	1,30
400	405	1,2	1,70
500	505	1,2	1,90
630	635	1,2	2,80

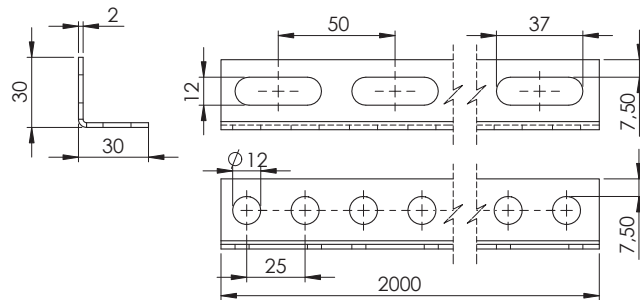


Product marking



Example: TKF 200

Mounting rails, L-profile

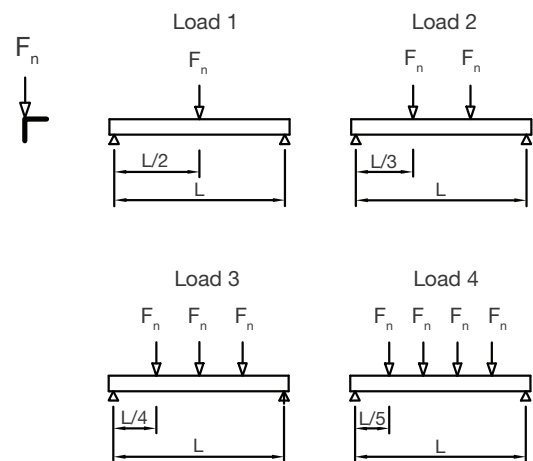
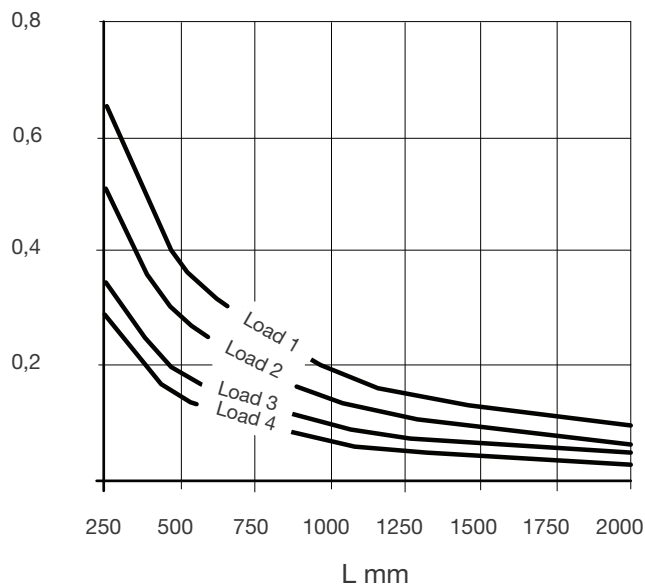


The L-profile is mainly used to reinforce, support or hang ventilation ducts and equipment in vertical or horizontal installation. Suitable for use in the corrosivity category C2.

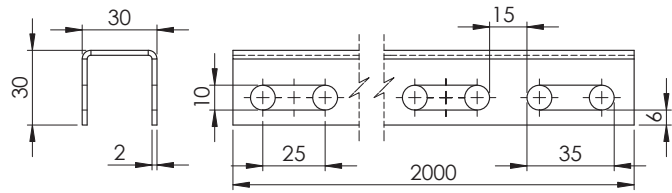
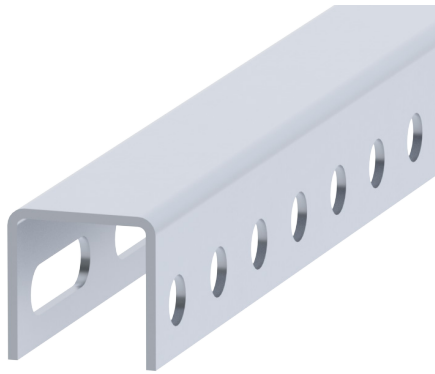
- Simple and secure installation
- Can be cut to size
- Made from galvanized steel sheet
- Length 2000 mm

L-profile 30×30×2

F_n kN



Mounting rails, U-profile

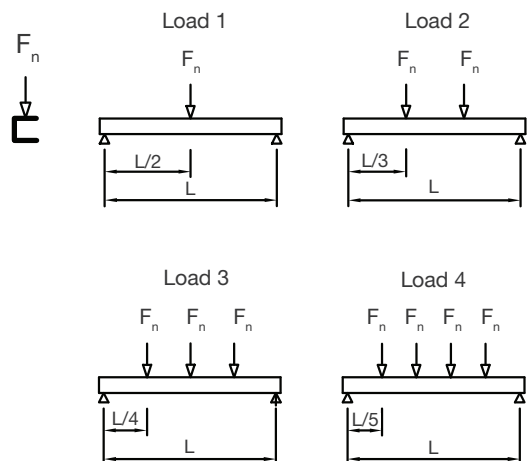
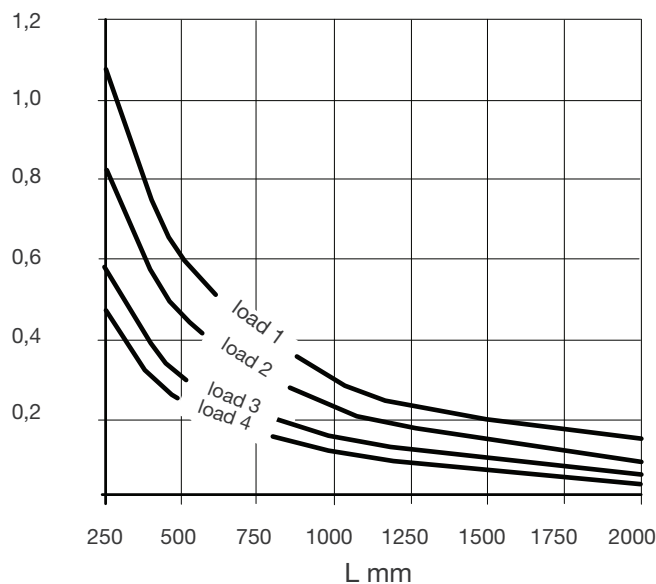


The U-profile is mainly used to reinforce, support or hang ventilation ducts and equipment in vertical or horizontal installation. Suitable for use in the corrosivity category C2.

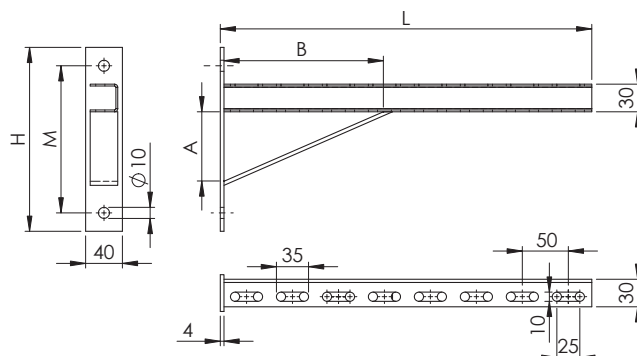
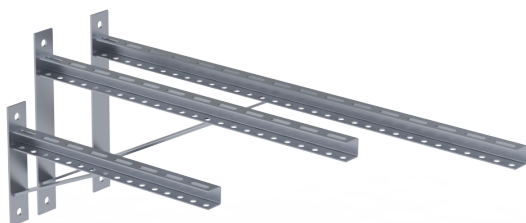
- Simple and secure installation
- Can be cut to size
- Made from galvanized steel sheet
- Length 2000 mm

U-profile 30×30×2

F_n kN



KOLI Supported cantilever



Long supported cantilever for the wall. Fabricated from 30x30x2 mm U-profile with a 4 mm back plate. These cantilevers can be used to support rectangular ducts along walls. Standard products are suitable for use in the corrosivity class C1-C2. Powder-coated cantilevers are suitable for use in the corrosivity class C1-C4.

Nominal size L (mm)	H (mm)	M (mm)	A (mm)	B (mm)
KOLI 300	200	165	100	100
KOLI 400	200	165	100	100
KOLI 500	200	165	100	100
KOLI 600	200	165	100	100
KOLI 800	400	360	300	350
KOLI 1000	400	360	300	600
KOLI 1200	400	360	300	750

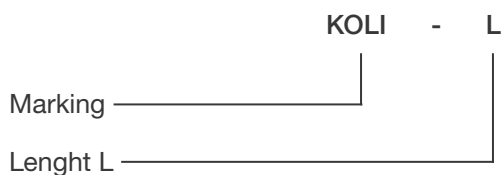
Allowed point loads

Permissible material tension: $\sigma_{ad} = 160 \text{ N/mm}^2$.

Maximum deflection $L/150$.

Nominal size L (mm)	Diagram 1: $L_{1/2}$	Diagram 2: L
KOLI 300	2,9 kN	1,4 kN
KOLI 400	1,6 kN	0,8 kN
KOLI 500	1,2 kN	0,6 kN
KOLI 600	0,9 kN	0,5 kN
KOLI 800	0,7 kN	0,4 kN
KOLI 1000	0,5 kN	0,3 kN
KOLI 1200	0,4 kN	0,2 kN

Product marking



Example: KOLI 600

Firestop silicone

Single-component, neutral-curing silicone sealant with increased fireproofness for filling joints exposed to fire. Specially designed for weather sealing of expansion joints where a fire resistance is required.

Adheres well to a wide range of porous and non-porous substrates such as glass, bricks, ceramics, enamel, glazed stones and clinker, metals etc. However, a preliminary adhesion test is recommended on every surface.

Non-sagging does not spread in the joint. Remains elasticity at temperatures between -40 °C and +150 °C. UV and weatherproof.

The material meets the following requirements:

- Tested at 600 °C / 2 hours (according to EN 1366-9)
- 4 h hours according to EN:13501-2 and B-s3,d0 according to EN:13501-1.
- Tested according to EN:1366-4 "Fire resistance test for service installations. Linear joint seals" (Equivalent to BS 476, Part 20),
- Tested according to EN:13823 "Reaction to fire test for building products" and EN-ISO:11925-2 "Ignitability of building products subjected to direct impingement of flame"
- Sealant for facade for interior and exterior application, intended for use in cold climate.
- EN 15651-1:2012: Type F-EXT-INT-CC: CLASS 25HM



Field of applications

Firestop expansion joint sealing in construction applications, for example:

- Ventilation and smoke ducts, cable passages, pipe penetrations, etc.
- Prefabricated panels, curtain walls, facades, partitions, fireproof doors, etc.
- All installations that require high fire resistance.

Application conditions

Application temperature between +5 °C and +35 °C. The application temperature of the sealant must be +20 °C - +25 °C. The application at temperatures lower than +5 °C, can only be carried out when connected surfaces are free of condensation, snow and ice. Not suitable for sealing aquariums and for underwater applications. Not paintable.

Application instructions

The surfaces must be clean from dust, loose particles and oil. In case of porous substrates (e.g. concrete) a primer should be used. Cut off the threaded end of the cartridge and screw on the application nozzle for directing sealant. Cut the threaded end in a way where a suitable opening for application is produced. Place the cartridge together with the applicator in the gun and fill the installation nozzle with sealant, by repeatedly pressing the gun trigger. Apply sealant in the joint by repeatedly and evenly pressing on the gun trigger and smoothly dragging the nozzle along the joint. After application, smooth the surface with a rubber silicone scraper and remove excess material.

Cleaning

Uncured sealant, tools and hands can be cleaned with PENOSIL Premium Cleaning Wipes. Cured sealant can be removed mechanically by using PENOSIL Premium Silicone Remover for softening the sealant. Clean the surface with a sponge and water.

Technical data

Properties	Unit	Value
Skin forming time	minute	20
Curing time	mm/24 h	2,5–3
Density	g/cm ³	1,25
Properties of cured sealant		
Elongation at break (ISO 37)	%	>650
Hardness (Shore A) (ISO 868)		25±2
Movement of the joint (ISO 11 600)	%	± 25
Modulus at 100% elongation (ISO 37)		0,38
Tensile strength (ISO 37)	MPa	1,60
Service temperature	°C	-40 to +150

The parameters indicated have been measured at +23 °C and 50% relative air humidity.

Fire resistance assessment table

Joint dimensions		Baking material	Orientation	Rating acc. EN 1366-4		Classif. according to EN 13501-2
Width (mm)	Depth (mm)			Integrity (min)	Isolation (min)	
10	8	MW	Vertical	180 (*)	180 (*)	E 180 EI 180-V-X-F-W 00 to 10
10	8	MW	Horizontal	180 (*)	180 (*)	E 180 EI 180-T-X-F-W 00 to 10
30	15	MW	Vertical	240	194	E 240 EI 180-V-X-F-W 00 to 30
40	10	PE	Vertical	240	164	E 240 EI 120-V-X-F-W 00 to 40
40	20	MW	Vertical	240	240	E 240 EI 240-V-X-F-W 00 to 40
60	30	THP	Vertical	240	240	E 240 EI 240-V-X-F-W 00 to 60
100	30	MW	Vertical	240	240	E 240 EI 240-V-X-F-W 00 to 100
100	30	MW	Horizontal	180 (*)	180 (*)	E 180 EI 180-T-X-F-W 00 to 100
150	30	MW	Vertical	240	240	E 240 EI 240-V-X-F-W 00 to 150

(*) Test stopped after 3 hours.

Legend: MW: Mineral wool -Fiberfoc / THP: Reinforced PU foam / PE: Polyethylene foam

V: Vertical supporting construction – vertical joint ; T : Vertical supporting construction – horizontal joint

X : No movement ; F: Field (Joint made following real conditions) ; W: joint width

Color: white

Package: 310 ml cartridge, 12 pcs in a box

Storage conditions

Guaranteed storage time 12 months starting from the date of manufacture if stored in a closed original package in a dry place between +5°C and +25°C.

Safety regulations

Ensure sufficient ventilation during application. Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with water and seek medical advice. Cured sealant can be handled without any danger to health. Detailed safety information is available on the safety data sheet (SDS).

Ventilation silicone

Single-component, low modulus, high quality neutral silicone sealant with good adhesion properties, long storage time and great processing properties. Glues well many silicate materials such as glass, ceramics, enamel, glazed tiles and clinker tiles; impregnated, varnished or painted wood and several plastics such as epoxides, polyesters, polyacrylates and laminate. Suitable for use on metallic surfaces and alkaline materials such as concrete.

Properties

- High elasticity
- Acid and solvent-free
- Mold and UV resistant
- Elastic after solidification even at extreme temperatures (-40 °C to +150 °C)
- Moisture, weather, and aging resistant
- Non-shrinking when dry
- High movement capability
- Very low odour
- Non-corrosive to metals
- Can be processed with materials based on water and solvent
- Excellent adhesion to a wide range of substrates without priming



Field of applications

Insulation and sealing of connections in general construction and repair works. Also on surfaces where acid-curing silicone cannot be used e.g., sheet metal works and ventilation works etc. for sealing connections and flanges in all HVAC ventilation systems, including sheet metal, tiles and flexible ventilation ducts both in clean rooms and in industrial kitchens. Suitable for sealing in cleanroom applications in hospitals, laboratories and other critical surroundings and sealing in environments where food is handled and stored (food containers, cold store installations, food industry, etc). Not suitable in contact with bitumen and butyl.

The product has been tested and is classified accordingly:

- sealant for facade for interior and exterior application EN 15651-1:2012: Type F-EXT-INT: class 12,5E;
- sealant used for sanitary applications. EN 15651-3:2012: Type S: CLASS XS1;
- tested and approved according to DIN EN ISO 846. Fulfills the requirements from the VDI 6022, Part 1.

Application conditions

Application temperature between +5 °C and +40 °C. The application at temperatures lower than +5 °C, can only be carried out when connected surfaces are free of condensation, snow and ice. Not suitable for sealing aquariums and for underwater applications. Not suitable for contact with bitumen and butyl. Not paintable.

Application instructions

The surfaces must be clean from dust, loose particles and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent rests should be removed before evaporating with a clean cloth.

Cut off the threaded end of the cartridge and screw on the application nozzle for directing sealant. Cut the threaded end in a way where a suitable opening for application is produced. Place the cartridge together with the applicator in the gun and fill the installation nozzle with sealant, by repeatedly pressing the gun trigger.

Apply sealant in the joint by repeatedly and evenly pressing on the gun trigger and smoothly dragging the nozzle along the joint. After application, smooth the surface with a rubber silicone scraper and remove excess material.

Remove excess silicone. Ensure adequate ventilation in all joint locations. During the curing process, make sure that no impurities can settle on the surface and that the joint surface is not affected by mechanical load.

Cleaning

Clean uncured sealant with solvents like white spirit and acetone. Cured sealant can be removed mechanically by using special cleaning agents for the removal of cured silicones for softening the sealant. Clean the surface with a sponge and water.

Technical data

Properties	Unit	Value
Skin forming time	minutes (23 °C; 50% R.H.)	5-10
Curing rate	mm/24 h	2,5-3
Specific gravity (ISO 2811-1)	g/ml	1,01
Tensile properties		
Movement capability (ISO 9047)	%	±12,5
Intensity of microbiological grows (ISO 846)		1
Resistance to flow (ISO 7390)	mm / (5 °C and 50 °C)	0
Loss of volume (ISO 10563)	%	17,5±0,5
Elongation at break (ISO 37)	%	500±0,2
Tensile strength (ISO 37)	MPa	1,5±0,2
E-Modulus 100% (ISO 37)	MPa	0,5±0,1
Elastic recovery (ISO 7389)	100% when stretching	>85%
Shore A hardness (Shore A) (ISO 868)		25±2
Application temperature	°C	-40 ... +150

Color: aluminium grey

Package: 310 ml cartridge, 12 pcs in a box

Storage conditions

Guaranteed storage time 12 months starting from the date of manufacture if stored in a closed original package in a dry place between +5 °C and +25 °C.

Safety regulations

Ensure sufficient ventilation during application. Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with water and seek medical advice.

Cured sealant can be handled without any danger to health.

Detailed safety information is available on the safety data sheet (SDS).

Remark

The information on this product sheet is based on the results of the tests carried out by the manufacturer and practical knowledge. The technical data is defined in standard conditions. Because of the diversity of the materials and substrates and the great number of possible applications that are out of our control, we cannot accept any responsibility for the results obtained. The correct use of the product presupposes that the user has made him/herself aware of the contents of the working instructions and procedure guide if provided. In every case, it is recommended to carry out preliminary experiments.

Ceramic fibre tape

Asbestos-free one-side self-adhesive ceramic fiber tape with high biopersistivity (biosolubility). Suitable for use as heat shield gaskets for very high temperature resistance applications.

Properties and applications

- Gaskets for fire safety and fire prevention equipment and facilities
- Suitable for use as thermal insulation or heat shield for very high temperature applications
- Temperature resistant up to 900 °C (melting point 1330 °C)
- Free of asbestos, high biopersistivity (decomposes in human body) – does not fall under 97/6/EG –App. Q
- Fire class A2-S1-d0 acc. to EN13501-1:2007: non-combustible, with some flammable content, corresponds to DIN-4102-1 fire class A2 and Swiss VKF fire application Nr. 22888
- One side self-adhesive for easy mounting
- Thickness: 4 mm



Technical data

Tape	Description
Material	Ceramic fibre (Ca-Mg silicate fibre)
Bulk Density DIN 53420	Approx. 190-210 kg/m ³
Temperature resistance	-20 °C to + 900 °C (short term max 1200 °C)
Tensile strength	> 650 kPa
Loss after combustion	ca. 8%
Fire Class	EN13501-1: A2-S1-d0 corresponds to DIN4102-1: A2 non-combustible with portion of combustible substances
Shrinkage	<2% after 24h @ 1000 °C
Thermal conductivity	0.05 W/mK at 200 °C 0.07 W/mK at 400 °C 0.11 W/mK at 600 °C 0.16 W/mK at 800 °C 0.23 W/mK at 1000 °C

Adhesive	Description
Material	Waterborne acrylate with nonwoven interlayer
Temperature resistance	-40 °C up to +100 °C
Liner	Siliconized 70 µm LDPE film
Ageing properties	Very good

ALU/BUTYL Aluminum adhesive tape

ALU/BUTYL is an aluminum adhesive tape based on butyl rubber with stable volume stability.

The adhesive tape is made of elastomeric pressure-sensitive adhesive and is covered with a laminated aluminum foil polyethylene support fabric, which, in turn, is protected by siliconized brown paper.

Thanks to its exceptionally good adhesiveness, the non-wetting ALU/BUTYL sealing tape is suitable for reliable and long-lasting sealing of joints, cracks, and overlays in all areas of construction.



Properties

- Hydrophobic
- Does not cause corrosion
- Solvent-free
- Bitumen-free but compatible with bitumen
- Resistant to aging, weathering, and UV rays
- Works instantly
- Permanent adhesive properties
- Easy to use

Field of applications

ALU/BUTYL adhesive tape is an ideal overlay seal for covering screw connections in the following places:

- cooling and air conditioning equipment;
- motor vehicle structures;
- ship and container construction;
- facade structures;
- plumbing and electrical installations.

ALU/BUTYL aluminum adhesive tape is ideal for covering constructive and connecting joints in buildings and industry, and for sealing both internal and external joints and overlays (metalwork, container construction, greenhouses, air conditioners, and ventilation).

ALU/BUTYL adhesive tape is ideal for sealing the joints of windows and facades when gas and diffusion resistance are required.

Technical data

Properties	Description
Material	Butyl rubber, aluminium/polyethylene backing fabric
Color	Aluminium
Density DIN ISO 10563	≥ 1,30 g/cm ³
Temperature resistance	-40 °C to +80 °C
Handling temperature	0 °C to +35 °C
Tensile strength	≥ 2 N/mm ²
Elongation	≥ 10%
Holding power	≥ 120 N/50 mm
Roll width	50 mm
Roll length	20 m
Thickness	0,5 mm (+3%)
Quantity in box	18 rolls
Storage	24 months

Application instructions

- The surfaces must be free from moisture, dust, loose particles, oil, grease, and other contaminants before installation.
- NB! Moisture significantly reduces adhesion.
- Unroll the tape and cut it to the required length.
- During installation, avoid stretching the tape. Remove the protective paper and firmly press the tape onto the sealing surface. For optimal adhesion, use a roller.
- Avoid creases and folds when unrolling and pressing the adhesive tape.

Remark

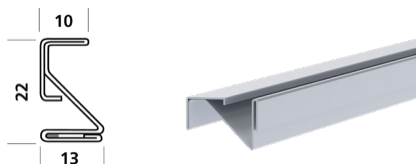
The information on this product sheet is based on the results of the tests carried out by the manufacturer and practical knowledge. The technical data is defined in standard conditions. Because of the diversity of the materials and substrates and the great number of possible applications that are out of our control, we cannot accept any responsibility for the results obtained. The correct use of the product presupposes that the user has made him/herself aware of the contents of the working instructions and procedure guide if provided. In every case, it is recommended to carry out preliminary experiments.

Connection details of rectangular duct

Profiles

Z-profile (2 m or 4 m)

Material: Zn 275, ZM 310, AISI 316



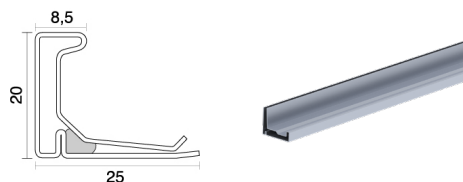
C-profile (2 m)

Material: Zn 275, ZM 310, AISI 316



E20 europrofile (2,5 m, 3 m or 2,5 m)

Material: Zn 275, ZM 310, AISI 316



E30 europrofile (2,5 m, 3 m or 5 m)

Material: Zn 275, ZM 310, AISI 316



Corners

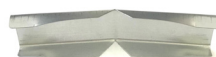
Internal corner of Z-profile

Material: Zn 275, ZM 310, AISI 316



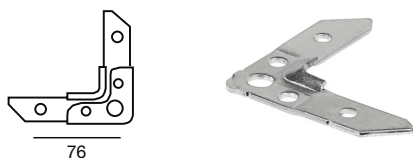
Outer corner of Z-profile

Material: Zn 275, ZM 310, AISI 316



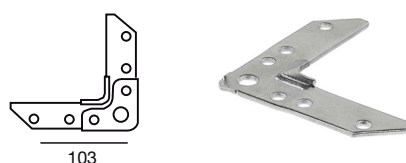
Internal corner of E20 europrofile

Material: Zn 275, AISI 316



Internal corner of E30 europrofile

Material: Zn 275, ZM 310, AISI 316



Seals

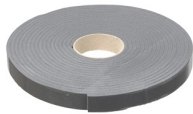
Z-profile seals 15x8x10



Z-profile seals for L-profile 19x13x8



Mousse adhesive seal 9x4x20 and 12x6x10



Brackets

CM 3,0 bracket for europrofile, with screws

Material: Zn 275, AISI 316





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