

Product overview

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# HVAC components

EN

## About DeWaal

# Efficient, robust, reliable



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At DeWaal, we are well aware of the relevance of our products. Therefore, we are committed to consistent excellence, developing highly functional solutions in our own production facilities that make a big difference in every detail.

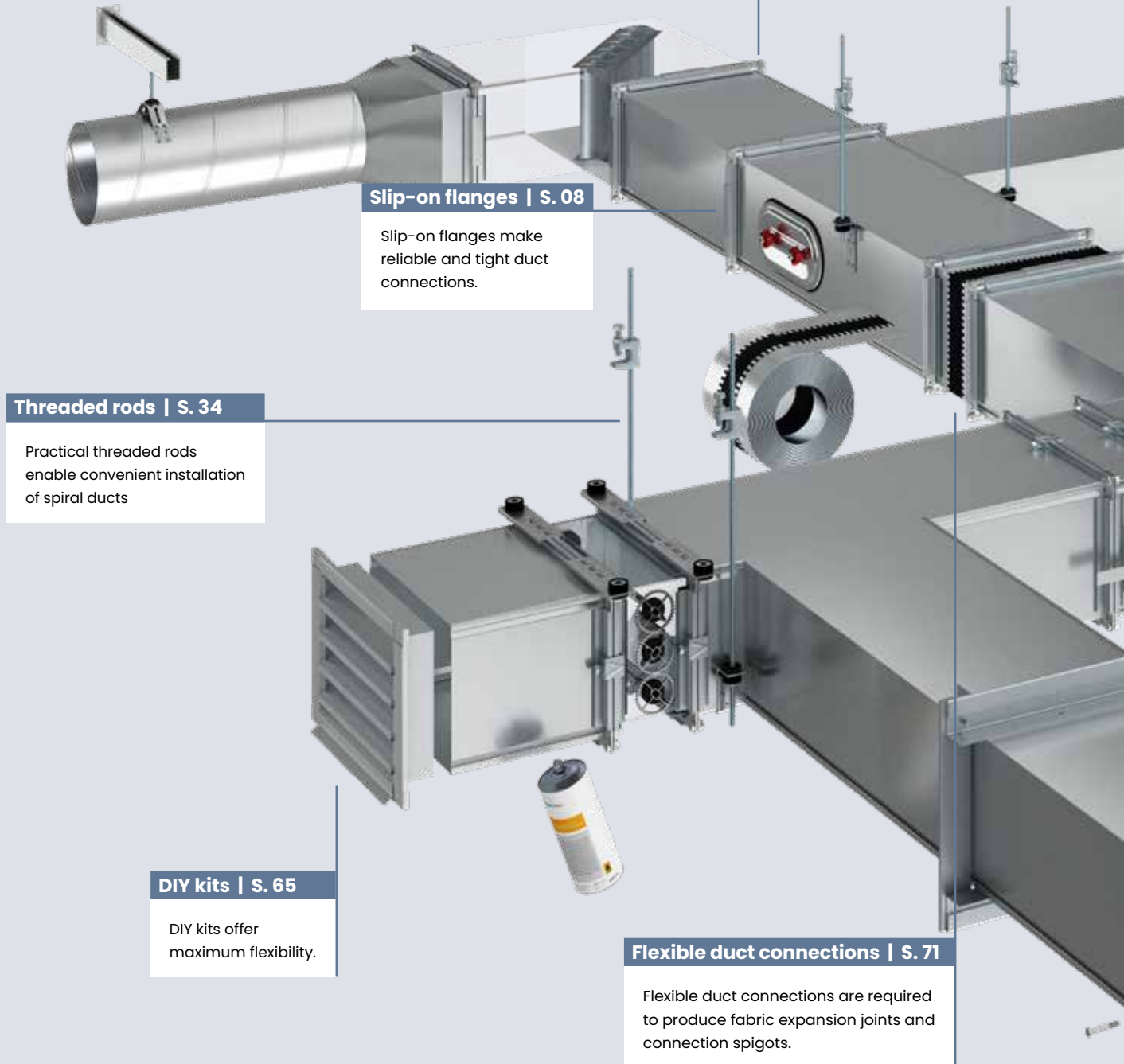
As long-standing experts in HVAC technology, we manufacture made-to-measure duct components that ensure absolute tightness and reliable connections made to last – without compromise. Producing all-round impeccable results is our top priority, and so we integrate premium material quality with perfect system functionality. We put all our expertise and passion into creating profiles and accessories that are indispensable for maintaining indoor air quality.

Since our foundation in Helmond (Netherlands) way back in 1973, we have been continuously evolving – and so has our range of efficient products. We take pride in having made a name for ourselves as dedicated manufacturers and dealers with local roots and global reach, right on track for further international growth.

## **When every detail makes a difference in creating one reliable system.**

In order to maintain flawless quality and seamless processes, we produce and handle everything in-house. This way, our clients can rest assured that all slip-on flanges and accessories they purchase from us embody extensive know-how and great attention to detail. The durable materials that go into our products meet the most stringent standards in terms of product safety and airtightness, thus ensuring top-notch quality inside-out and outside-in.

## Product portfolio overview



**Suitable components for  
all requirements relating  
to air duct systems**

**flex.x-system | S. 66**

Variable self-assembly system for the production of flexible connections.

**Pipe clamps | S. 40**

For the professional installation of round air duct systems or spiral ducts.

**Access doors | S. 44**

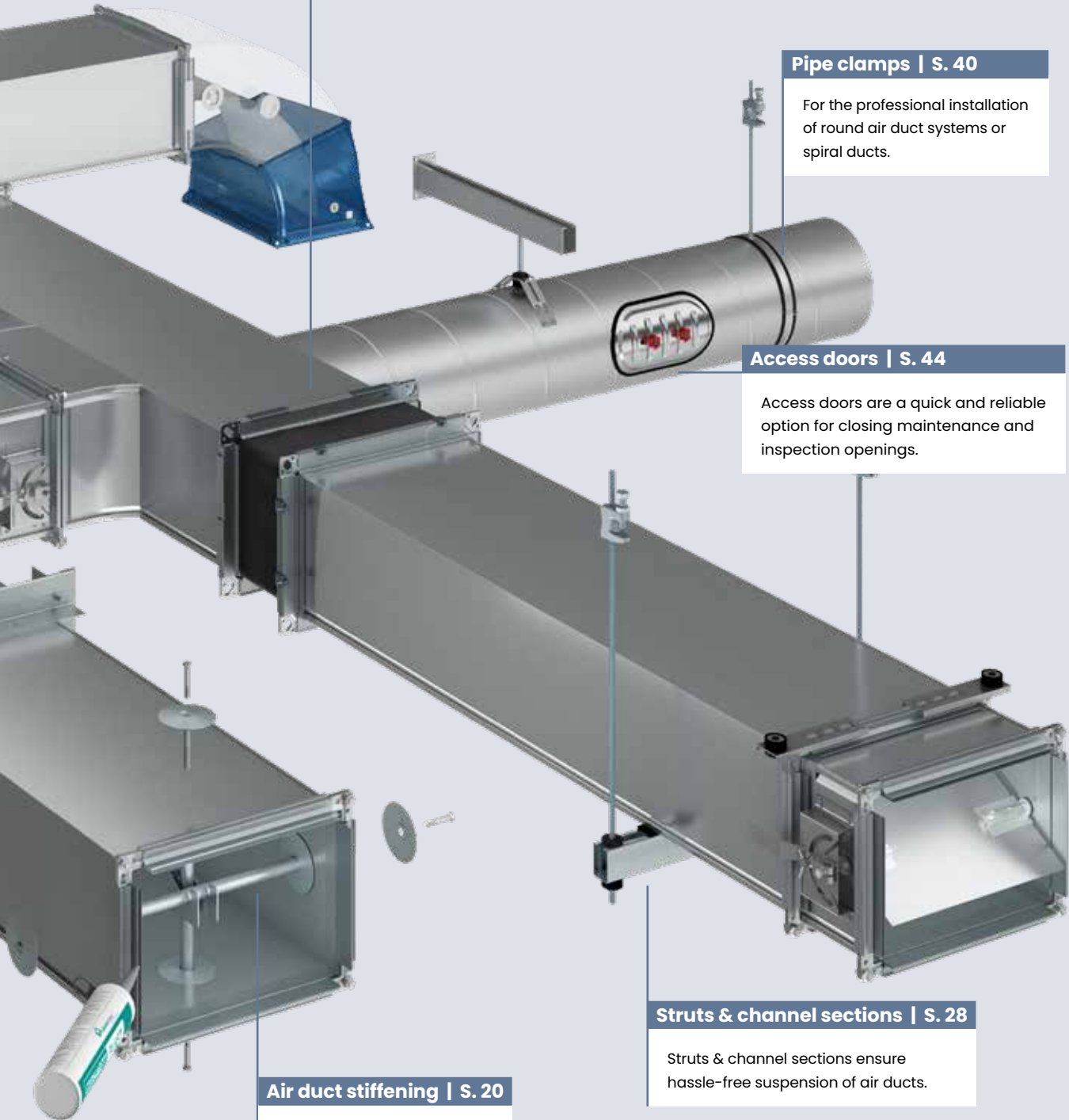
Access doors are a quick and reliable option for closing maintenance and inspection openings.

**Struts & channel sections | S. 28**

Struts & channel sections ensure hassle-free suspension of air ducts.

**Air duct stiffening | S. 20**

Designed to reliably prevent vibrations and noise.



## Technical data



**Because quality  
and airtightness  
matter the most.**

# Manufacturing

Our extensive product range is sure to cover all your needs in terms of high-quality air duct system assembly and installation. It includes slip-on flanges with injected sealants, matching corners designed in various materials as well as systems for turning vane and air duct stiffening.



**08** Slip-on flanges



**14** Corners



**18** Turning vane systems



**20** Air duct stiffening



## Slip-on flanges

**Simple and quick to use, yet manufactured to high quality standards, these slip-on flanges are indispensable components when it comes to the production of reliably tight air duct systems. Our slip-on flanges are available in different materials and thicknesses.**



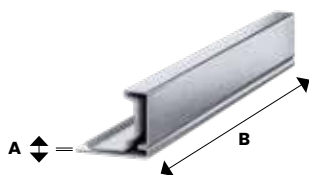
- Slip-on flanges for systems 20, 30 or 40
- With or without injected sealant
- Profiles with injected sealant meeting the requirements of airtightness classes C/D as per DIN EN 1507 or ATC 2/3 as per DIN EN 16798-3
- Available in galvanized steel, stainless steel (AISI 304 & 316), Zinc Magnelis® and aluminium

A close-up photograph of a metallic slip-on flange profile. The profile is L-shaped with a complex internal channel designed for sealing. It is shown against a dark, textured background. The lighting highlights the metallic surface and the intricate details of the flange's design.

**slip-on flanges**

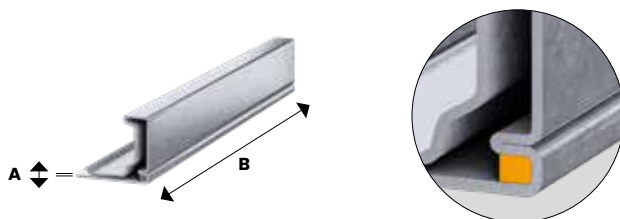


## Profile DW 20



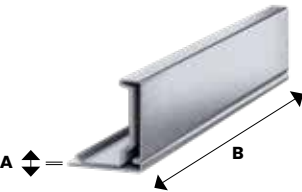
Art. no.	Description	Material	Zinc coating	A	B	PU
10020630	DW 20 – 0.6 mm	Galvanized	Z200	0.6 mm	3000 mm	300 m
10020650	DW 20 – 0.6 mm	Galvanized	Z200	0.6 mm	5000 mm	500 m
10020830	DW 20 – 0.7 mm	Galvanized	Z140	0.7 mm	3000 mm	300 m
10020850	DW 20 – 0.7 mm	Galvanized	Z140	0.7 mm	5000 mm	500 m
10020852	DW 20 – 0.7 mm	Galvanized	Z275	0.7 mm	5000 mm	500 m
12020850	DW 20 – 0.7 mm	Stainless steel AISI 304		0.7 mm	5000 mm	500 m
14020850	DW 20 – 0.7 mm	Stainless steel AISI 316		0.7 mm	5000 mm	500 m
11020850	DW 20 – 0.8 mm	Aluminium		0.8 mm	5000 mm	500 m

## Profile DW 20 – Hotmelt



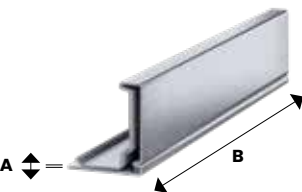
Art. no.	Description	Material	Zinc coating	A	B	PU
10020631	DW 20 – 0.6 mm – Hotmelt	Galvanized	Z200	0.6 mm	3000 mm	300 m
10020651	DW 20 – 0.6 mm – Hotmelt	Galvanized	Z200	0.6 mm	5000 mm	500 m
10020831	DW 20 – 0.7 mm – Hotmelt	Galvanized	Z140	0.7 mm	3000 mm	300 m
10020833	DW 20 – 0.7 mm – Hotmelt	Galvanized	Z275	0.7 mm	3000 mm	300 m
10020842	DW 20 – 0.7 mm – Hotmelt	Galvanized	Z275	0.7 mm	4000 mm	400 m
10020851	DW 20 – 0.7 mm – Hotmelt	Galvanized	Z140	0.7 mm	5000 mm	500 m
10020854	DW 20 – 0.7 mm – Hotmelt	Galvanized	Z275	0.7 mm	5000 mm	500 m
10020853	DW 20 – 0.75 mm – Hotmelt	Galvanized	Z275	0.75 mm	5000 mm	500 m

Profile DW 30



Art. no.	Description	Material	Zinc coating	A	B	PU
10030730	DW 30 – 0.7 mm	Galvanized	Z140	0.7 mm	3000 mm	300 m
10030750	DW 30 – 0.7 mm	Galvanized	Z140	0.7 mm	5000 mm	500 m
12030750	DW 30 – 0.7 mm	Stainless steel AISI 304		0.7 mm	5000 mm	500 m
14030750	DW 30 – 0.7 mm	Stainless steel AISI 316		0.7 mm	5000 mm	500 m
10030850	DW 30 – 0.8 mm	Galvanized	Z140	0.8 mm	5000 mm	500 m
10030852	DW 30 – 0.8 mm	Galvanized	Z275	0.8 mm	5000 mm	500 m
11030950	DW 30 – 0.9 mm	Aluminium		0.9 mm	5000 mm	500 m

Profile DW 30 – Hotmelt



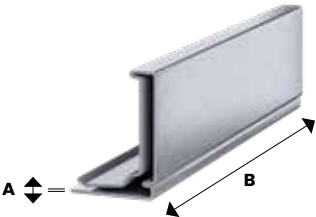
Art. no.	Description	Material	Zinc coating	A	B	PU
10030731	DW 30 – 0.7 mm – Hotmelt	Galvanized	Z140	0.7 mm	3000 mm	300 m
10030751	DW 30 – 0.7 mm – Hotmelt	Galvanized	Z140	0.7 mm	5000 mm	500 m
10030831	DW 30 – 0.8 mm – Hotmelt	Galvanized	Z140	0.8 mm	3000 mm	300 m
10030833	DW 30 – 0.8 mm – Hotmelt	Galvanized	Z275	0.8 mm	3000 mm	300 m
10030851	DW 30 – 0.8 mm – Hotmelt	Galvanized	Z140	0.8 mm	5000 mm	500 m
10030853	DW 30 – 0.8 mm – Hotmelt	Galvanized	Z275	0.8 mm	5000 mm	500 m
10031051	DW 30 – 1.0 mm – Hotmelt	Galvanized	Z275	1.0 mm	5000 mm	250 m
10031058	DW 30 – 1.0 mm – Hotmelt	Zinc Magnelis® 310	ZM310	1.0 mm	5000 mm	250 m





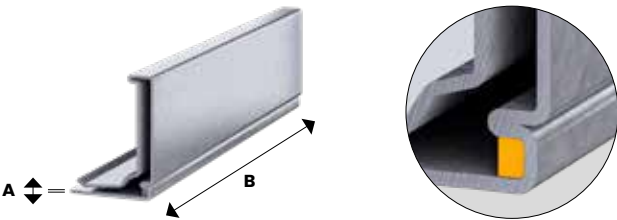


Profile DW 40



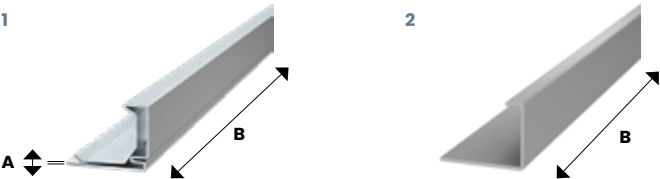
Art. no.	Description	Material	Zinc coating	A	B	PU
10041050	DW 40 – 1.0 mm	Galvanized	Z140	1.0 mm	5000 mm	250 m
10041052	DW 40 – 1.0 mm	Galvanized	Z275	1.0 mm	5000 mm	250 m
10041250	DW 40 – 1.25 mm	Galvanized	Z275	1.25 mm	5000 mm	250 m
12040650	S 40	Stainless steel AISI 304		1.0 mm	5000 mm	500 m
14040650	S 40	Stainless steel AISI 316		1.0 mm	5000 mm	500 m

Profile DW 40 – Hotmelt



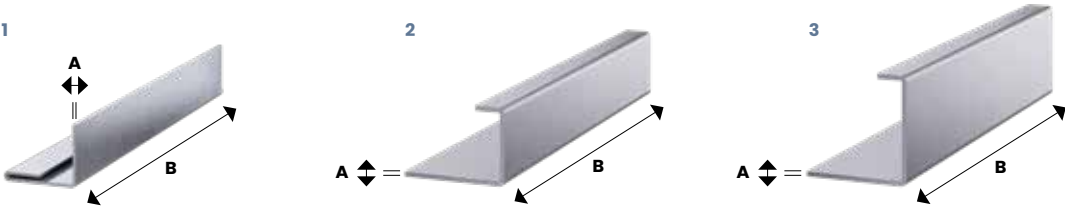
Art. no.	Description	Material	Zinc coating	A	B	PU
10041033	DW 40 – 1.0 mm – Hotmelt	Galvanized	Z140	1.0 mm	3300 mm	165 m
10041041	DW 40 – 1.0 mm – Hotmelt	Galvanized	Z140	1.0 mm	4000 mm	200 m
10041051	DW 40 – 1.0 mm – Hotmelt	Galvanized	Z140	1.0 mm	5000 mm	250 m
10041053	DW 40 – 1.0 mm – Hotmelt	Galvanized	Z275	1.0 mm	5000 mm	250 m
10041251	DW 40 – 1.25 mm – Hotmelt	Galvanized	Z275	1.25 mm	5000 mm	250 m

Profile ISO



	Art. no.	Description	Material	Zinc coating	A	B	PU
1	10072000	ISO S20	Galvanized	Z140	0.7 mm	5000 mm	500 m
	10073000	ISO S30	Galvanized	Z140	0.7 mm	5000 mm	500 m
2	10070020	ISO	PVC			2500 mm	250 m
	10070050	ISO	PVC			2500 mm	175 m

Others



	Art. no.	Description	Material	Zinc coating	A	B	PU
1	10064050	Duct stiffener - 40/50	Galvanized	Z140	2.0 mm	5000 mm	500 m
2	10052535	U-profile - 25/35	Galvanized	Z140	1.4 mm	5000 mm	500 m
3	10053535	U-profile - 35/35	Galvanized	Z140	1.4 mm	5000 mm	500 m



## Corners

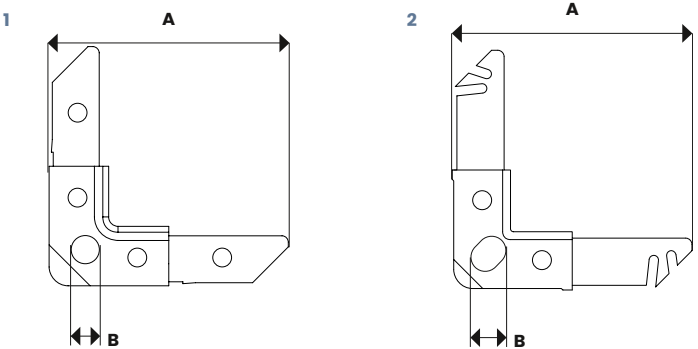
**Corners are essential components to form stable and tight connections. They are perfectly matched to suit our flange system, and they are available in various hole designs, geometries and materials.**



- Corners for slip-on flanges systems 20, 30 and 40
- Available in different designs
- With round or slotted hole
- Made of galvanized steel, stainless steel (AISI 304 & 316), Zinc Magnelis® or aluminium

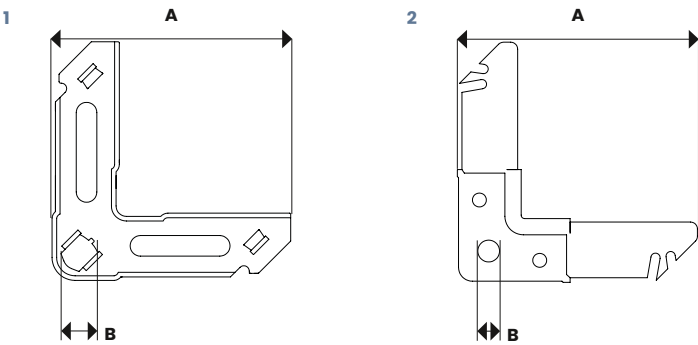


System 20



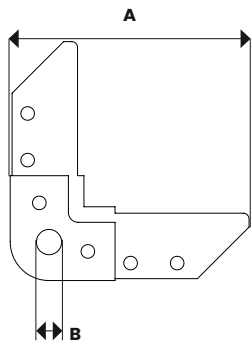
Art. no.	Description	Material	A	B	PU
1 10212009	Corner H 21 – short	Zinc plated	64 mm	9 mm	500 pcs.
10212010	Corner H 21	Zinc plated	76 mm	9 mm	500 pcs.
10212011	Corner H 21 – long	Zinc plated	98 mm	9 mm	250 pcs.
11112010	Corner H 21	Aluminium	76 mm	9 mm	500 pcs.
12112010	Corner H 21	Stainless steel AISI 304	76 mm	9 mm	250 pcs.
14212010	Corner H 21	Stainless steel AISI 316	76 mm	9 mm	500 pcs.
2 10212012	Corner H 21 – quick lock	Zinc plated	75.5 mm	9 x 12 mm	500 pcs.

System 30



Art. no.	Description	Material	A	B	PU
1 10212020	Corner H 30	Zinc plated	103.2 mm	13 mm	250 pcs.
10212028	Corner H 30 – ZM310	Zinc Magnelis®	103.2 mm	13 mm	250 pcs.
11112020	Corner H 30	Aluminium	103.2 mm	13 mm	250 pcs.
12112020	Corner H 30	Stainless steel AISI 304	103.2 mm	13 mm	250 pcs.
14212020	Corner H 30	Stainless steel AISI 316	103.2 mm	13 mm	250 pcs.
2 10212022	Corner H 30 – quick lock	Zinc plated	102 mm	9 mm	250 pcs.

System 40



Art. no.	Description	Material	A	B	PU
10212030	Corner H 40	Zinc plated	123 mm	13 mm	100 pcs.
12112030	Corner H 40	Stainless steel AISI 304	123 mm	13 mm	100 pcs.

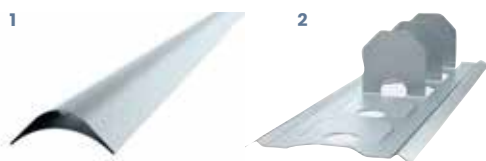




## Turning vane systems

**In order to ensure optimum air flow across the entire air duct system, installation of turning vanes in bends and junctions is essential. Proper air flow not only helps to avoid turbulence and associated pressure loss, but also significantly reduces noise in the duct system. As overall air tightness is key to HVAC performance, our splitters are equipped with pre-fitted sealing washers to meet the most stringent requirements.**

## Turning vane & mounting track



- Designed to reduce noise development in bends
- Turning vane & mounting track made of corrosion-resistant steel

	Art. no.	Description	Material	Length	PU
1	10616600	Turning vane	Galvanized	3000 mm	30 m
	10616602	Turning vane	Stainless steel AISI 316	3000 mm	30 m
2	10616601	Mounting track for turning vane	Galvanized	3000 mm	30 m
	10616603	Mounting track for turning vane	Stainless steel AISI 316	3000 mm	30 m

## Splitter pins



- With a centre web seal
- Quick and easy installation
- Suitable for different sheet steel thicknesses

	Art. no.	Description	Material	For gauge	PU
	10315113	Splitter pin G assembled	Zinc plated	0.7 – 0.9 mm	1000 pcs.
	10315123	Splitter pin GR assembled	Zinc plated	0.7 – 1.2 mm	1000 pcs.
	14315110	Splitter pin GR assembled	Stainless steel AISI 316	0.7 – 1.2 mm	100 pcs.

## DW clip



- Quick and easy installation
- Suitable for visible installation

	Art. no.	Description	Material	PU
	10315031	DW clip – 125 mm	Zinc plated	300 pcs.
	10315099	DW clip mounting tool	Zinc plated	1 pc.



## Air duct stiffening

**Vibrations resulting from air duct turbulence are prone to causing system noise pollution. Therefore, effective stiffening and damping are essential, especially for air ducts with large duct cross-sections and for air ducts with a high positive or negative pressure rating.**



- Reduces noise pollution from air ducts with large cross-sections
- Ensures optimum stiffening with maximum stability and also flexibility

## Air duct stiffening



## End plates



Art. no.	Description – hole	Material	Dimension	PU
10616401	End plate – 6 mm	Aluminium	100 mm	500 pcs.
10616400	End plate – 6.5 mm	Galvanized	70 mm	250 pcs.
10616403	End plate – 8.5 mm	Galvanized	70 mm	250 pcs.
10616405	End plate – 6.5 mm	Stainless steel AISI 304	70 mm	100 pcs.
10616406	End plate – 8.5 mm	Stainless steel AISI 316	70 mm	100 pcs.
10616404	End plate – 10.5 mm	Galvanized	70 mm	250 pcs.
10616407	End plate – 10.5 mm	Stainless steel AISI 316	70 mm	100 pcs.

## Reinforcing tubes



Art. no.	Description	Material	Dimension	Length	PU
10616460	Reinforcing tube – 15 x 1.5 mm	Galvanized	15 x 1.5 mm	5000 m	1085 m
10616500	Reinforcing tube – 15 x 1.5 mm	Galvanized	15 x 1.5 mm	6000 m	1085 m
10616520	Reinforcing tube – 16 x 1.0 mm	Galvanized	16 x 1.0 mm	6000 m	1085 m
10616510	Reinforcing tube – 16 x 2.0 mm	Galvanized	16 x 2.0 mm	6000 m	1085 m

### Cross ties



- For cross connections of reinforcing rods in ductwork with large cross-sections
- Suitable for reinforcing tubes 15 x 1.5 mm, 16 x 1.0 mm and 16 x 2.0 mm

Art. no.	Description	Material	Dimension	PU
10616431	Cross tie – 3/8"	Galvanized	3/8"	10 pcs.
12616431	Cross tie – 3/8"	Stainless steel AISI 304	3/8"	50 pcs.
10616430	Cross tie – 3/8"	Zamak	3/8"	100 pcs.
10616432	Cross tie – 3/8"	Polyethylene	3/8"	100 pcs.

### Screws/tube plug



#### Screws


- DIN 933–8.8
- With continuous thread

#### Tube plug

- With metric thread
- Suitable for tubes 15 x 1.5 mm, 16 x 2 mm
- Also available as a duct tie bar complete

	Art. no.	Description	Material	Dimension	Thread	PU
1	10616422	Hexagon socket head screw – M6 x 12 mm	Galvanized	M6 x 12 mm		200 pcs.
	10616420	Hexagon socket head screw – M6 x 40 mm	Galvanized	M6 x 40 mm		200 pcs.
2	10616410	Tube plug – 3/8"	PVC		3/8"	50 pcs.
1/2	10616440	Duct tie bar complete	Galvanized			200 pcs.

## Technical data



**Creating  
one coherent  
system.**



# Installation

Safe and professional air duct installation requires high-quality products that are designed for performance down to the tiniest detail. With this in mind, we create reliable connections and impeccable systems that cater to a wide and diverse range of requirements.



**26** Duct connections



**28** Struts & channel sections



**34** Threaded rods



**36** Beam clamps



**38** Support angles & hangers



**40** Pipe clamps



## Duct connections

Ensuring the long-term airtightness of ducts with long edge lengths and high pressure ratings is crucially important and can be reliably achieved by using our air duct clamps or drive cleats. In order to meet your specific needs, we have various designs for you to choose from.

## Cleats

- Ideal for installation in confined spaces and in visible areas
- Suitable for slip-on flanges 20, 30 and 40



Art. no.	Description	Material	Zinc coating	Length	PU
1 10112650	Cleat – S 26	Galvanized	Z140	5000 mm	500 m
2 10112125	Cleat – S 21	Galvanized	Z140	2500 mm	125 m
10112150	Cleat – S 21	Galvanized	Z140	5000 mm	500 m
14112150	Cleat – S 21	Stainless steel AISI 316		5000 mm	500 m
3 10112525	Cleat – S VI	Galvanized	Z140	2500 mm	250 m
10112550	Cleat – S VI	Galvanized	Z140	5000 mm	500 m
4 10111450	Cleat – S 14	Galvanized	Z140	5000 mm	500 m
5 10131300	Air deflector profile VP 13	Galvanized	Z140	5000 mm	500 m

## Duct clamps

- Suitable for slip-on flanges 20, 30 and 40
- With a pre-fitted M8 x 25 mm screw



Art. no.	Description	Material	Gauge	PU
10315020	Duct clamp – G 20/40 assembled	Zinc plated	2.5 mm	200 pcs.
10315013	Duct clamp – G 20/40 assembled	Zinc plated	3 mm	200 pcs.
14315010	Duct clamp – G 20/40 assembled	Stainless steel AISI 316	3 mm	200 pcs.





## Struts & channel sections

**When it comes to installing air ducts, piping or other fittings, our struts & channel sections are always a good choice. Some strut models feature strong serration so as to provide a secure hold of the sliding nuts whilst also enabling absorption of high transverse loads. Further benefits of our struts include lateral scaling for easy cutting to length and for accurate positioning of attachments during installation.**



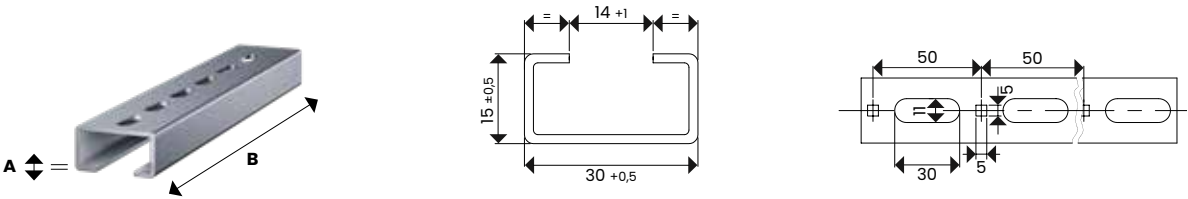
- Support channel designed to help in installing air ducts, piping and other components
- With continuous perforation
- Available in 2, 3, 5 and 6 m lengths, availability of lengths may vary

## Struts & channel sections

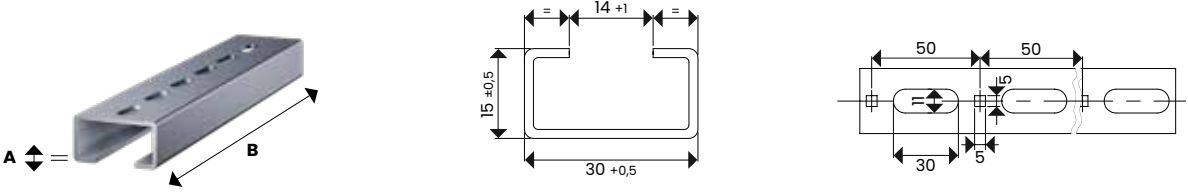




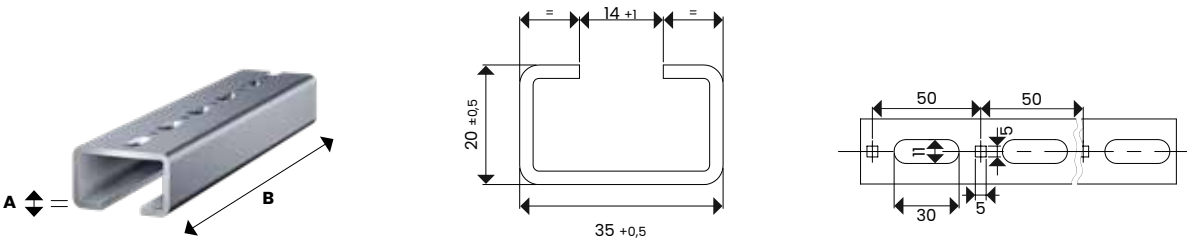
Struts & channel sections



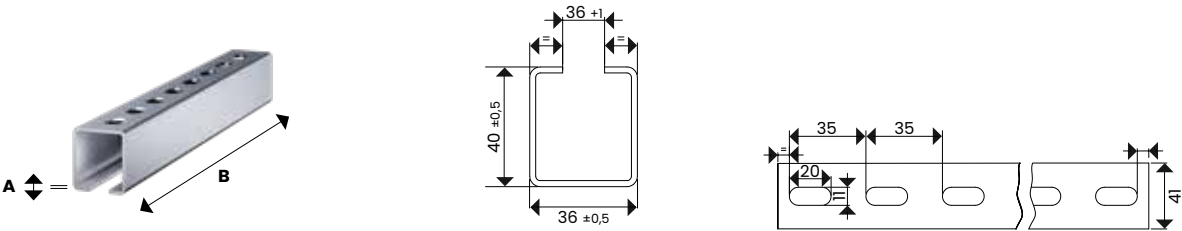
Art. no.	Description	Material	A	Width x height	B	PU
20000002	Support channel W 1,5	Galvanized	1.4 mm	30 x 15 mm	2000 mm	250 m
20000005	Support channel W 1,5	Galvanized	1.4 mm	30 x 15 mm	5000 mm	500 m



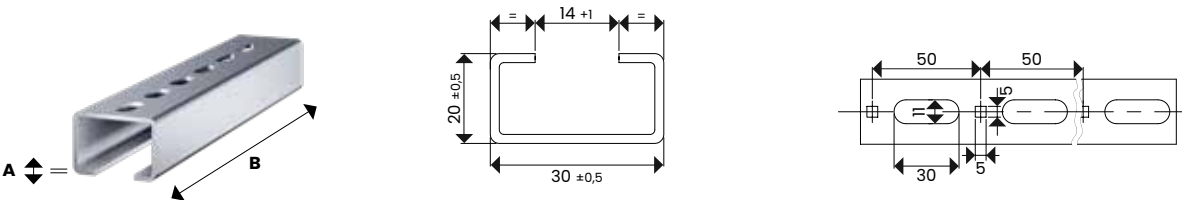
Art. no.	Description	Material	A	Width x height	B	PU
20001002	Support channel W 1	Galvanized	1.9 mm	30 x 15 mm	2000 mm	250 m
20001005	Support channel W 1	Galvanized	1.9 mm	30 x 15 mm	5000 mm	500 m



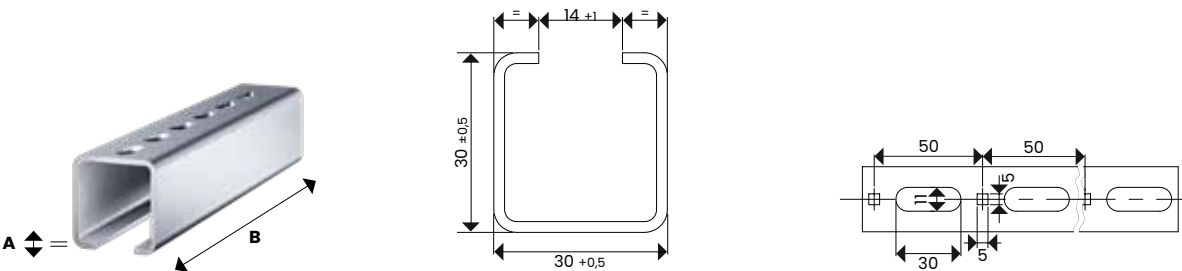
Art. no.	Description	Material	A	Width x height	B	PU
20002002	Support channel W 2	Galvanized	2 mm	35 x 20 mm	2000 mm	250 m
20002005	Support channel W 2	Galvanized	2 mm	35 x 20 mm	5000 mm	250 m
12203100	Support channel W 2	Stainless steel AISI 304	2 mm	35 x 20 mm	3000 mm	250 m



Art. no.	Description	Material	A	Width x height	B	PU
20003602	Support channel W 36/40	Galvanized	2 mm	36 x 40 mm	2000 mm	100 m
20003603	Support channel W 36/40	Galvanized	2 mm	36 x 40 mm	3000 mm	150 m
20003606	Support channel W 36/40	Galvanized	2 mm	36 x 40 mm	6000 mm	300 m

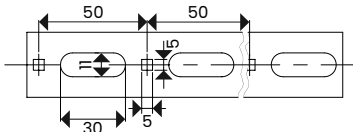
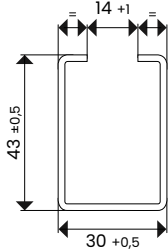
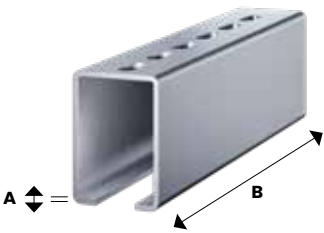


Art. no.	Description	Material	A	Width x height	B	PU
20005002	Support channel W 105	Galvanized	1.4 mm	30 x 20 mm	2000 mm	250 m
20005003	Support channel W 105	Galvanized	1.4 mm	30 x 20 mm	3000 mm	150 m
20005005	Support channel W 105	Galvanized	1.4 mm	30 x 20 mm	5000 mm	500 m

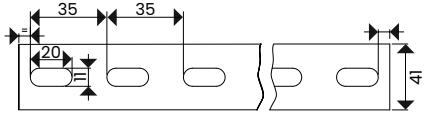
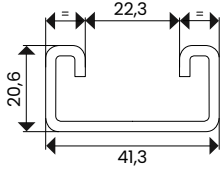


Art. no.	Description	Material	A	Width x height	B	PU
20006002	Support channel W 106	Galvanized	1.7 mm	30 x 30 mm	2000 mm	100 m
20006003	Support channel W 106	Galvanized	1.7 mm	30 x 30 mm	3000 mm	150 m
20006005	Support channel W 106	Galvanized	1.7 mm	30 x 30 mm	5000 mm	250 m

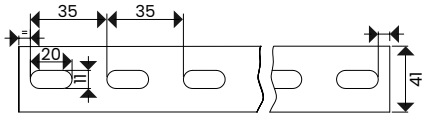
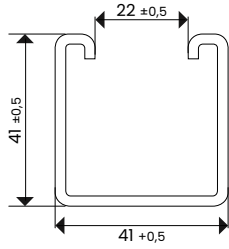
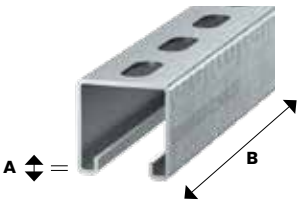




Art. no.	Description	Material	A	Width x height	B	PU
20007002	Support channel W 107	Galvanized	1.7 mm	30 x 43 mm	2000 mm	100 m
20007005	Support channel W 107	Galvanized	1.7 mm	30 x 43 mm	5000 mm	250 m

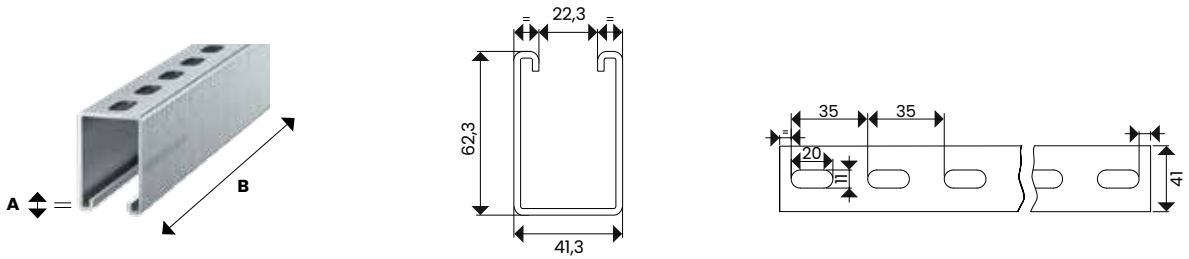


Art. no.	Description	Material	A	Width x height	B	PU
20008256	Support channel W 41-21 Z275	Galvanized	2.5 mm	41 x 21 mm	6000 mm	300 m

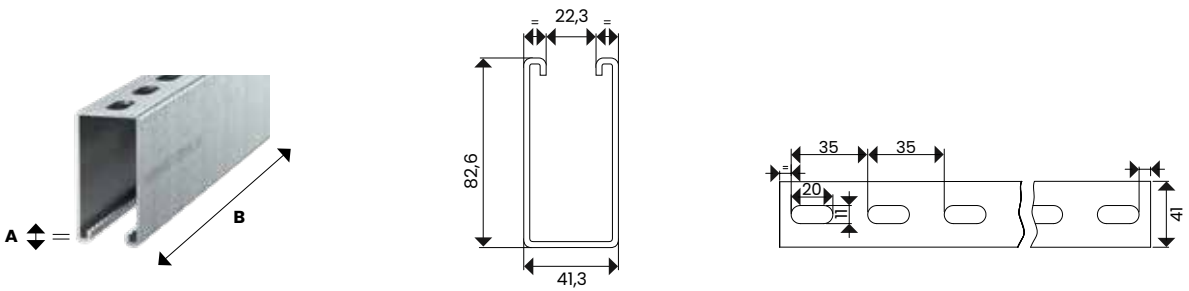


Art. no.	Description	Material	A	Width x height	B	PU
20008002	Support channel W 41-41 Z275	Galvanized	2.5 mm	41 x 41 mm	2000 mm	100 m
20008003	Support channel W 41-41 Z275	Galvanized	2.5 mm	41 x 41 mm	3000 mm	150 m
20008005	Support channel W 41-41 Z275	Galvanized	2.5 mm	41 x 41 mm	5000 mm	250 m
20008006	Support channel W 41-41 Z275	Galvanized	2.5 mm	41 x 41 mm	6000 mm	300 m





Art. no.	Description	Material	A	Width x height	B	PU
20007461	Support channel W 41-62 Z275	Galvanized	2.5 mm	41 x 62 mm	6000 mm	180 m



Art. no.	Description	Material	A	Width x height	B	PU
20007482	Support channel W 41-82 Z275	Galvanized	2.5 mm	41 x 82 mm	6000 mm	180 m



## Threaded rods

**Our threaded rods are handy helpers because they ensure hassle-free suspension of rectangular and round air ducts in a quick, easy and professional way. Together with our struts & channel sections, pipe clamps as well as support angles & hangers, they make a reliable mounting system – for whatever needs and requirements you may have.**

Threaded rods



- Available in lengths of 1 or 2 metres
- With M6, M8, M10 or M12 thread
- Made from galvanized steel or stainless steel AISI 316

Art. no.	Description	Material	Thread	Length	PU
20040601	Threaded rod – M6 x 1000 mm	Zinc plated	M6	1000 mm	100 pcs.
20040602	Threaded rod – M6 x 2000 mm	Zinc plated	M6	2000 mm	50 pcs.
20040801	Threaded rod – M8 x 1000 mm	Zinc plated	M8	1000 mm	50 pcs.
20040802	Threaded rod – M8 x 2000 mm	Zinc plated	M8	2000 mm	25 pcs.
14245000	Threaded rod – M8 x 3000 mm	Stainless steel AISI 316	M8	3000 mm	50 pcs.
20041001	Threaded rod – M10 x 1000 mm	Zinc plated	M10	1000 mm	25 pcs.
20041002	Threaded rod – M10 x 2000 mm	Zinc plated	M10	2000 mm	20 pcs.
20041201	Threaded rod – M12 x 1000 mm	Zinc plated	M12	1000 mm	25 pcs.
20041202	Threaded rod – M12 x 2000 mm	Zinc plated	M12	2000 mm	20 pcs.

Threaded rods





## Beam clamps

Combined with our threaded rods, these beam clamps provide a firm hold in any installation scenario. They can be attached to steel beams up to 39 mm thick – without the need for extra drilling.



## Beam clamps



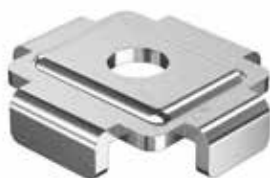
- For fastening air ducts and piping to steel beams
- With through-hole or internal thread
- Fastening without drilling or welding

Art. no.	Description	Material	Hole	Clamping range	PU
14258008	Beam clamp DWK 8 – Ø 9 mm	Stainless steel AISI 316	9 mm	5 – 18 mm	50 pcs.
20050606	Beam clamp DWK 8 – M6	Zinc plated	M6	5 – 18 mm	50 pcs.
20050607	Beam clamp DWK 8 – Ø 7 mm	Zinc plated	7 mm	5 – 18 mm	50 pcs.
20050808	Beam clamp DWK 8 – M8	Zinc plated	M8	5 – 18 mm	50 pcs.
20050809	Beam clamp DWK 8 – Ø 9 mm	Zinc plated	9 mm	5 – 18 mm	50 pcs.
20051008	Beam clamp DWK 10 – M8	Zinc plated	M8	0 – 23 mm	50 pcs.
20051009	Beam clamp DWK 10 – Ø 9 mm	Zinc plated	9 mm	0 – 23 mm	50 pcs.
20051010	Beam clamp DWK 10 – M10	Zinc plated	M10	0 – 20 mm	50 pcs.
20051011	Beam clamp DWK 10 – Ø 11 mm	Zinc plated	11 mm	0 – 20 mm	50 pcs.
20051212	Beam clamp DWK 12 – M12	Zinc plated	M12	5 – 26 mm	50 pcs.
20051213	Beam clamp DWK 12 – Ø 13 mm	Zinc plated	13 mm	5 – 26 mm	50 pcs.
20051239	Beam clamp DWK – C (0 – 39 mm)	Zinc plated	39 mm	0 – 39 mm	20 pcs.
20051610	Beam clamp DWK 16 – M10	Zinc plated	M10	Max. 28 mm	50 pcs.
20051613	Beam clamp DWK 16 – Ø 13 mm	Zinc plated	13 mm	Max. 28 mm	50 pcs.
20051616	Beam clamp DWK 16 – M16	Zinc plated	M16	0 – 28 mm	50 pcs.
20051617	Beam clamp DWK 16 – Ø 17 mm	Zinc plated	17 mm	0 – 28 mm	50 pcs.



## Support angles & hangers

**Suitable and high-quality accessories are available for our struts and channel sections, which are available in galvanized steel. We therefore offer you the suitable solution for every application and a complete system for all our types of struts and channel sections.**



#### Combi-profile holder

- Prevents the struts and channel sections from bending upwards
- For rail mounting on the building structure



#### Railconnector T-shaped

- Connector for the struts and channel sections and rail consoles
- Surface closed galvanized
- Fast installation thanks to accurate dimensions



#### Mounting corners

- For the repair of corner constructions without welding
- For the installation of pipelines and air conduction systems
- Versatile applications, for example as a connecting piece or support corner



#### Support flange

- For mounting struts and channel sections with lower carrying capacity on the ceiling, floor and in ducts
- Good height alignment thanks to the slotted hole in the base plate



#### Clamping claw

- Allows the attachment of struts and channel sections, air ducts and pipelines to steel bars/beams
- Compatible with standard T-pieces
- Allows subsequent alignment of the installation



#### Saddle flange

- For mounting struts and channel sections with lower carrying capacity on the ceiling, floor and in ducts
- Allows subsequent alignment of the installation

For more information on our complete range, please contact our sales team at [sales@waalstaal.nl](mailto:sales@waalstaal.nl).



## Pipe clamps

**Our high-quality pipe clamps are the ideal solution for the professional installation of round air duct systems or spiral ducts. You can choose between pipe clamps with or without acoustic insulation inserts. The inserts ensure optimum sound decoupling, and they are free from silicone and halogen.**





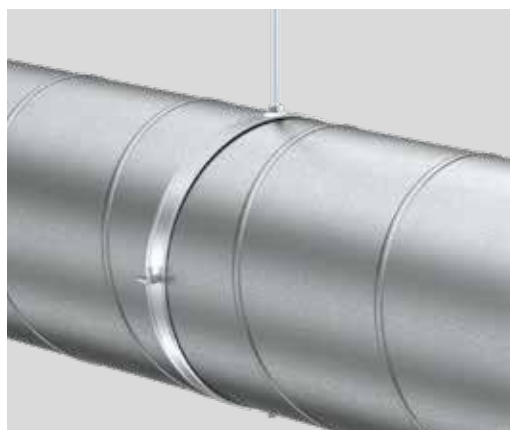
#### Pipe clamps with insulation rubber

- Galvanized
- With insulation rubber
- Connection thread M8/M10
- Quick and convenient installation thanks to the wide opening angle
- Available in nominal widths Ø 63 – Ø 1,250 mm
- Also available in stainless steel AISI 316



#### Pipe clamps without insulation rubber

- Galvanized
- Without insulation rubber
- Connection thread M8/M10
- Quick and convenient installation thanks to the wide opening angle
- Available in nominal widths Ø 63 – Ø 1,250 mm
- Also available in stainless steel AISI 316



## Technical data

**[ Small details –  
big impact.**

# Accessoires

Our portfolio includes a wide range of accessories that are perfectly matched to suit our product solutions in the field of HVAC technology. Especially when it comes to service, maintenance and hygiene, our accessories are indispensable details, ready to prove their mettle and shine as top performers.



**44** Access doors



**46** Protective duct cover



**48** Manual adjusters



**50** Moisture drains



**52** Flexible ducts





## Access doors

The perfectly reliable solution for closing maintenance (inspection) openings the quick and easy way. Our double-shell, pressed inspection covers made of galvanized sheet steel are ideal when it comes to closing cleaning openings in rectangular and oval ducts. The easy-to-install standard model features a polyethylene foam gasket (PE) bonded to the inner cover. Thanks to its high-quality PE seal, it is ideally suited for use in air duct systems of tightness class C or D, respectively, as per DIN EN 1507.





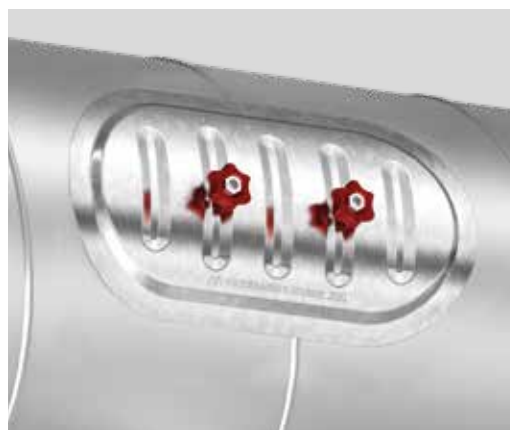
### Access doors

- For rectangular ducts
- With or without self-adhesive edge protection
- With two star-shaped hand knobs (red) for fastening to the duct
- Hand knobs featuring an embedded metal thread (galvanized)
- Meeting the requirements of tightness class D (TÜV-Nord certified) or ATC 2
- Self-adhesive drilling template (plate) in each bag
- Available in dimensions ranging from 80 to 500 mm



### Curved access panel

- For round and oval ducts
- With or without self-adhesive edge protection
- With polyethylene foam gasket
- Secured by means of two star-shaped hand knobs (red)
- Hand knobs featuring an embedded metal thread (galvanized)
- Self-adhesive drilling plate in each bag
- Available in dimensions ranging from 80 to 500 mm





## Protective duct cover

**This self-adhesive PE film has been specially conceived to fulfil HVAC ductwork requirements in that it enables storage and transport of components in a clean and contamination-free manner. The film is in accordance with hygiene guideline ISO 846 and thus suitable for sealing air ducts, fittings, pipes and other duct components. Furthermore, it exhibits good adhesion to galvanized sheet metal and stainless steel. Further benefits of our polyethylene film include good weathering resistance and UV stability as well as quick and, above all, residue-free removal.**

Protective duct cover



- Specially conceived to fulfil HVAC ductwork requirements
- Protective duct cover designed to prevent soiling during storage, transport and assembly / installation
- The film can be removed quickly and without leaving any residue

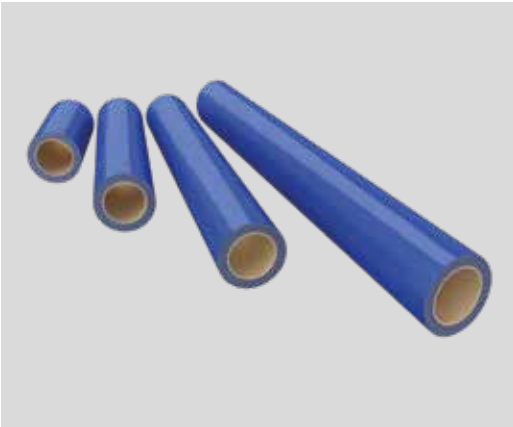
Art. no.	Description	Material	Width	Thickness	Colour	Roll	PU
62000025	Protective duct cover – 250 mm	Polyethylene	250 mm	50 mμ	Blue-transculent	100 m	16 pcs.
62000050	Protective duct cover – 500 mm	Polyethylene	500 mm	50 mμ	Blue-transculent	100 m	8 pcs.
62000075	Protective duct cover – 750 mm	Polyethylene	750 mm	50 mμ	Blue-transculent	100 m	4 pcs.
62000100	Protective duct cover – 1000 mm	Polyethylene	1000 mm	50 mμ	Blue-transculent	100 m	4 pcs.

Protective duct cover (PCR Film)



- Post-consumer recycled film
- Made from 100 % recycled PE material
- Self-adhesive on one side

Art. no.	Description	Width	Colour	Roll	PU
63000010	Protective duct cover (PCR Film) – 100 mm	100 mm	Grey	100 m	Unpacked
63000050	Protective duct cover (PCR Film) – 500 mm	500 mm	Grey	100 m	Unpacked
63000100	Protective duct cover (PCR Film) – 1000 mm	1000 mm	Grey	100 m	4 pcs.





## Manual adjusters

Reducing dampers, shut-off dampers, multi-leaf dampers and other fittings are important air flow control components. Our high-quality manual adjuster damper are made for you to rely on and arrange as needed.



### Manual adjuster MD metal complete



- Airtight manual adjuster
- Suitable for round and rectangular ducts

Art. no.	Description	Material	Diameter	PU
10557500	Manual adjuster MD metal complete	Zinc plated	Up to 650 mm	50 pcs.

### Drill screws



- Drill screws with inner square drive
- Featuring a shapely pan head
- Secure fit and tight hold thanks to the toothed underside
- Non-magnetic, i. e. there will be no drilling swarf on the holder; one holder is included with each pack

Art. no.	Description	Material	PU	Carton
21104213	Drill screw 4.2 x 13 mm	Zinc plated	1000 pcs.	10,000 pcs.
21104216	Drill screw 4.2 x 16 mm	Zinc plated	1000 pcs.	10,000 pcs.

### Drill screws with external hex drive



- DIN 7504 K
- Equipped with a pressed-on washer
- Secure fit and tight hold thanks to locking teeth

Art. no.	Description	Material	PU	Carton
21104113	Drill screw 4.2 x 13 mm, hex drive	Zinc plated	1000 pcs.	10,000 pcs.
21104116	Drill screw 4.2 x 16 mm, hex drive	Zinc plated	1000 pcs.	10,000 pcs.



For more information on our complete range, please contact our sales team at [sales@waalstaal.nl](mailto:sales@waalstaal.nl).



## Moisture drains

**Our moisture drains are ideally suited for efficiently draining condensate and other liquids from air ducts. The high-quality moisture drains are quick and easy to install, they feature a robust design and they come in various sizes ranging from ½" to 1 ½". We also offer matching moisture drain caps for proper closure.**

Moisture drains



- Equipped with a large funnel
- Suitable for rectangular air ducts and AHUs
- The duct wall is drawn into a sturdy sheet metal funnel
- Nickel-plated brass, galvanized funnel

Art. no.	Description	Material	Dimension	PU
10616200	Moisture drain with wide funnel 1/2"	Galvanized	1/2"	10 pcs.
10616210	Moisture drain with wide funnel 3/4"	Galvanized	3/4"	10 pcs.
10616220	Moisture drain with wide funnel 1"	Galvanized	1"	10 pcs.
10616225	Moisture drain with wide funnel 1 1/2"	Galvanized	1 1/2"	10 pcs.

Moisture drain caps



- Suitable for closing moisture drains
- To be used when no drain hose is connected to the moisture drain
- Nickel-plated brass
- Sealing washer included

Art. no.	Description	Material	Dimension	PU
10616330	Moisture drain cap 1/2"	Galvanized	1/2"	10 pcs.
10616340	Moisture drain cap 3/4"	Galvanized	3/4"	10 pcs.
10616350	Moisture drain cap 1"	Galvanized	1"	10 pcs.
10616355	Moisture drain cap 1 1/2"	Galvanized	1 1/2"	10 pcs.







## Flexible ducts

**Our flexible ducts, which consist of several layers of aluminium and polyester, are quickly and easily mounted to round and oval fittings. Apart from laminate ducts our range includes insulated ducts and synthetic ducts. Insulated ducts are not only used to prevent loss of cold or heat, but are also ideally suited to counteract condensation in AHUs.**





#### Laminated ducts

- Extremely flexible and very strong
- Designed for easy mounting to round and oval fittings
- Consisting of multiple layers of aluminium and polyester
- 5 layers
- Temperature resistance from -30 degrees to +140 degrees Celsius
- Range/reach 52 – 710 mm



#### Synthetic ducts

- Extremely flexible and lightweight
- Designed for easy mounting to round and oval fittings
- Long-term resistance to vibrations
- Polyester fabric, copolymer layer on both sides
- 1 layer
- Temperature resistance from -30 degrees to +70 degrees Celsius
- Range/reach: 65 – 710 mm




#### Insulated ducts

- Perforated aluminium laminate
- Thermally and acoustically insulated with a glass wool layer
- Prevents condensation build-up in the air flow
- Temperature resistance from -30 degrees to +140 degrees Celsius
- Range/reach: 65 – 635 mm

For more information on our complete range, please contact our sales team at [sales@waalstaal.nl](mailto:sales@waalstaal.nl).

## Technical data



**For accurate results  
without compromise –  
time and time again.**

# Sealants, tapes and sprays

Our portfolio includes a broad array of sealants and sealing tapes that are optimally tailored to meet the various requirements and challenges associated with the sealing of air ducts and other HVAC components. We also offer anti-corrosion products and solutions for repairing damaged zinc surfaces.



**56** Sealants



**59** Tapes



**62** sprays



# Sealants

## Gebhardt-PLAST



- Raw material base: polyacrylic dispersion
- Colour: grey
- Solvent- and silicone-free
- Free from paint-wetting impairment substances (PWIS)
- Virtually odourless
- Resistant to ageing and weathering
- Good adhesion properties
- Temperature resistance from -20 °C to +80 °C
- Classified as very easy to disinfect
- Approved to VDI 6022

Art. no.	Description	Container	Filling quantity	PU
1 76660601	Gebhardt-PLAST – 310 ml	Cartridge	310 ml	20 pcs.
2 76660602	Gebhardt-PLAST – 600 ml	Tubular bag	600 ml	20 pcs.
3 76660603	Gebhardt-PLAST – 5 kg	Bucket	5 kg	1 pc.

## Gebhardt-MASTIC



- Raw material base: butyl rubber
- Colour: grey
- Silicone-free
- Free from paint-wetting impairment substances (PWIS)
- Virtually odourless
- Resistant to ageing and weathering
- Resistant to (including but not limited to) kitchen exhaust air, water and seawater
- Excellent adhesion properties
- Temperature resistance from -20 °C to +70 °C
- Classified as very easy to disinfect
- Approved to VDI 6022

Art. no.	Description	Container	Filling quantity	PU
1 76660604	Gebhardt-MASTIC – 310 ml	Cartridge	310 ml	20 pcs.
2 76660605	Gebhardt-MASTIC – 560 ml	Tubular bag	560 ml	20 pcs.



### Gebhardt-MAXX



- Raw material base: hybrid polymer
- Colour: grey
- Solvent- and silicone-free
- Free from paint-wetting impairment substances (PWIS)
- Virtually odourless
- Resistant to ageing and weathering
- Suitable for indoor and outdoor use
- Resistant to (including but not limited to) kitchen exhaust air, water and seawater
- Excellent adhesion properties
- Suitable for powder coating (see data sheet for parameters)
- Temperature resistance from -40 °C to +90 °C
- Classified as very easy to disinfect
- Approved to VDI 6022
- Emicode EC1 - very low emission
- The material conforms to the standards of the German Sustainable Building Council ("DGNB")

Art. no.	Description	Container	Filling quantity	PU
1 76660606	Gebhardt-MAXX – 290 ml	Cartridge	290 ml	20 pcs.
2 76660607	Gebhardt-MAXX – 560 ml	Tubular bag	560 ml	20 pcs.

### Gebhardt-PLAST M1



- Acrylic-based sealant
- Fire resistance class M1 / NF P92-507 (non-flammable)
- Solvent- and silicone-free, odourless, paintable, sprayable and brushable sealant
- Excellent adhesion to the most common building materials
- Resistant to ageing and weathering, light-fast, plastoelastic
- Temperature resistance from -20 °C to +80 °C

Art. no.	Description	Container	Filling quantity	PU
1 76660608	Gebhardt-PLAST M1 (non-flammable) – 310 ml	Cartridge	310 ml	20 pcs.
2 76660609	Gebhardt-PLAST M1 (non-flammable) – 6 kg	Bucket	6 kg	1 pc.





**Gebhardt-SILIC-N**



- Elastic, pasty, ready-to-use one-component sealant (1c)
- Good adhesion to most building substrates
- Resistant to ageing and weathering, light-fast and UV-resistant
- Remains permanently elastic after curing
- Colour: grey
- Raw material base: silicone, neutral curing (polysiloxane)
- Temperature resistance from -60 °C - +150 °C

Art. no.	Description	Container	Filling quantity	PU
76660610	Gebhardt-SILIC-N – 310 ml	Cartridge	310 ml	20 pcs.

**Gebhardt-GEL**



- Raw material base: Mineral oil and lithium soap
- Colour: yellow
- Solvent- and silicone-free
- Free from paint-wetting impairment substances (PWIS)
- Almost odourless
- Temperature resistance from -30°C to +120°C; short-term resistance up to +140°C
- Classified as very easy to disinfect
- Approved to VDI 6022
- The material conforms to the standards of the German Sustainable Building Council (“DGNB”)

Art. no.	Description	Container	Filling quantity	PU
76660700	Gebhardt-GEL – 25 kg	Hobbok	25 kg	1 pc.



# Tapes

## PVC tape



- High elasticity in addition to great adhesive strength
- Suitable for many applications in mechanical ventilation systems
- Thickness 190 micron
- Free from lead compounds

Art. no.	Description	Material	Width	Roll	Colour	PU
79301000	PVC tape – 50 mm x 10 m	PVC	50 mm	10 m	Grey	80 pcs.
79305000	PVC tape – 50 mm x 33 m	PVC	50 mm	33 m	Grey	24 pcs.
79305009	PVC tape – 50 mm x 33 m	PVC	50 mm	33 m	Grey	24 pcs.

## DUCT tape



- Appropriate to sealing round ducts
- Suitable for applications in mechanical ventilation systems
- Linnen-tape, a composition of polyethylene and plastic, provided with a natural rubber sealing coat layer
- Thickness 310 micron

Art. no.	Description	Material	Width	Roll	Colour	PU
79405000	DUCT tape – 50 mm x 50 m	PVC	50 mm	50 m	Grey	24 pcs.

## ALU tape



- Strong aluminium foil-tape
- Suitable for air conditioning systems and insulation work
- The elongation is between 5 – 7 %
- Thickness 30 micron

Art. no.	Description	Material	Width	Roll	Colour	PU
79005000	ALU tape – 50 mm x 45 m	Aluminum	50 mm	45 m	Silver	24 pcs.
79005010	ALU tape R – 50 mm x 45 m	Aluminum	50 mm	45 m	Silver	24 pcs.
79007510	ALU tape R – 75 mm x 45 m	Aluminum	75 mm	45 m	Silver	16 pcs.
79007500	DW ALU tape – 75 mm x 45 m	Aluminum	75 mm	45 m	Silver	16 pcs.
79010000	DW ALU tape – 100 mm x 45 m	Aluminum	100 mm	45 m	Silver	12 pcs.



### Gasket tape



- Closed-cell polyethylene foam
- Self-adhesive on one side, colour: black
- Temperature resistance from -30 °C to +80 °C
- Classified as very easy to disinfect
- Approved to VDI 6022

Art. no.	Description	Material	Width	Roll	Colour	PU
10410041	Gasket tape – 10 x 4 mm	Closed ceel polyehtylene foam	10 mm	20 m	Black	600 m
10415041	Gasket tape – 15 x 4 mm	Closed ceel polyehtylene foam	15 mm	20 m	Black	400 m
10415051	Gasket tape – 15 x 5 mm	Closed ceel polyehtylene foam	15 mm	10 m	Black	200 m
10415080	Gasket tape – 15 x 8 mm	Closed ceel polyehtylene foam	15 mm	10 m	Black	200 m
10418051	Gasket tape – 18 x 5 mm	Closed ceel polyehtylene foam	18 mm	10 m	Black	160 m
10420021	Gasket tape – 20 x 2 mm	Closed ceel polyehtylene foam	20 mm	20 m	Black	300 m
10420051	Gasket tape – 20 x 5 mm	Closed ceel polyehtylene foam	20 mm	10 m	Black	150 m
10430041	Gasket tape – 30 x 4 mm	Closed ceel polyehtylene foam	30 mm	20 m	Black	200 m
10430051	Gasket tape – 30 x 5 mm	Closed ceel polyehtylene foam	30 mm	10 m	Black	100 m

### Ceramic sealing tape



- For sealing smoke extraction and fire protection ducts
- Ceramic fibre sealing tape
- Self-adhesive on one side
- High temperature resistance of up to +1,200 °C

Art. no.	Description	Material	Width	Roll	Colour	PU
79306000	Ceramic sealing tape – 10 x 6 mm	Ceramic fibre	10 mm	10 m	White	30 pcs.
79306001	Ceramic sealing tape – 15 x 6 mm	Ceramic fibre	15 mm	10 m	White	10 pcs.



**PTFE/teflon gasket tape**

- Self-adhesive on one side, colour: white
- High chemical resistance
- Resistant to ageing, weathering and light
- Temperature resistance from -240 °C to +270 °C; short-term resistance up to +310 °C

Art. no.	Description	Material	Width	Roll	Colour	PU
79307000	PTFE/teflon gasket tape – 14 x 3 mm	PTFE/teflon	14 mm	25 m	White	4 pcs.
79307001	PTFE/teflon gasket tape – 12 x 4 mm	PTFE/teflon	12 mm	25 m	White	4 pcs.

**Cold shrink tape**

- Polyethylene or ALU film laminated on one side
- For sealing air duct systems and other HVAC components
- Temperature resistance from -20°C to +60°C
- Normally flammable: DIN 4102 – B2
- Also suitable for visible installation

Art. no.	Description	Material	Width	Roll	Colour	PU
79107500	Aluminium cold shrink tape – 75 mm x 15 m ASB7075	Aluminium	75 mm	15 m	Grey	16 pcs.
79215000	Poly cold shrink tape – 50 mm x 15 m PSB3050	Polypropylene	50 mm	15 m	Grey	24 pcs.
79217500	Poly cold shrink tape – 75 mm x 15 m PSB3075	Polypropylene	75 mm	15 m	Grey	16 pcs.
79105000	Aluminium cold shrink tape – 50 mm x 15 m ASB7050	Aluminium	50 mm	15 m	Grey	24 pcs.
79105010	Cold shrink tape – 50 mm x 15 m	Aluminium	50 mm	15 m	Grey	24 pcs.
79215010	Cold shrink tape – 50 mm x 15 m	Aluminium	50 mm	15 m	Grey	24 pcs.
79217510	Cold shrink tape – 75 mm x 15 m	Aluminium	75 mm	15 m	Grey	16 pcs.

# Sprays

## Gebhardt Zinc-Alu spray



- Designed to protect metal surfaces from rust and corrosion
- Fast drying action
- Economical to use: high covering power, low consumption

Art. no.	Description	Container	Filling quantity	PU
65500001	Gebhardt Zinc-Alu-spray – 400 ml	Can	400 ml	12 pcs.

## Gebhardt Zinc Alu touch up spray



- Perfectly colour-matched
- For touching up damaged zinc surfaces
- Heat-resistant corrosion protection
- Type: bright-brilliant

Art. no.	Description	Container	Filling quantity	PU
65500002	Gebhardt Zinc Alu touch up spray – 400 ml	Can	400 ml	12 pcs.

## Gebhardt Stainless steel spray



- For touching up or simulating stainless steel surfaces
- High-quality nitro-combi effect paint
- Fast drying action
- High abrasion resistance

Art. no.	Description	Container	Filling quantity	PU
65500003	Gebhardt Stainless steel spray – 400 ml	Can	400 ml	12 pcs.

### Gebhardt Galv-Cleaner



- Highly concentrated universal cleaning spray for all types of maintenance and assembly / installation work
- Ideal for removing zinc deposits on metal surfaces, roller sets, roller bearings, press dies, punches, etc.
- Increases the service life of machines and tools
- Helps to reduce roller wear and tool damage

Art. no.	Description	Container	Filling quantity	PU
65500004	Gebhardt Galv-Cleaner – 500 ml	Can	500 ml	12 pcs.

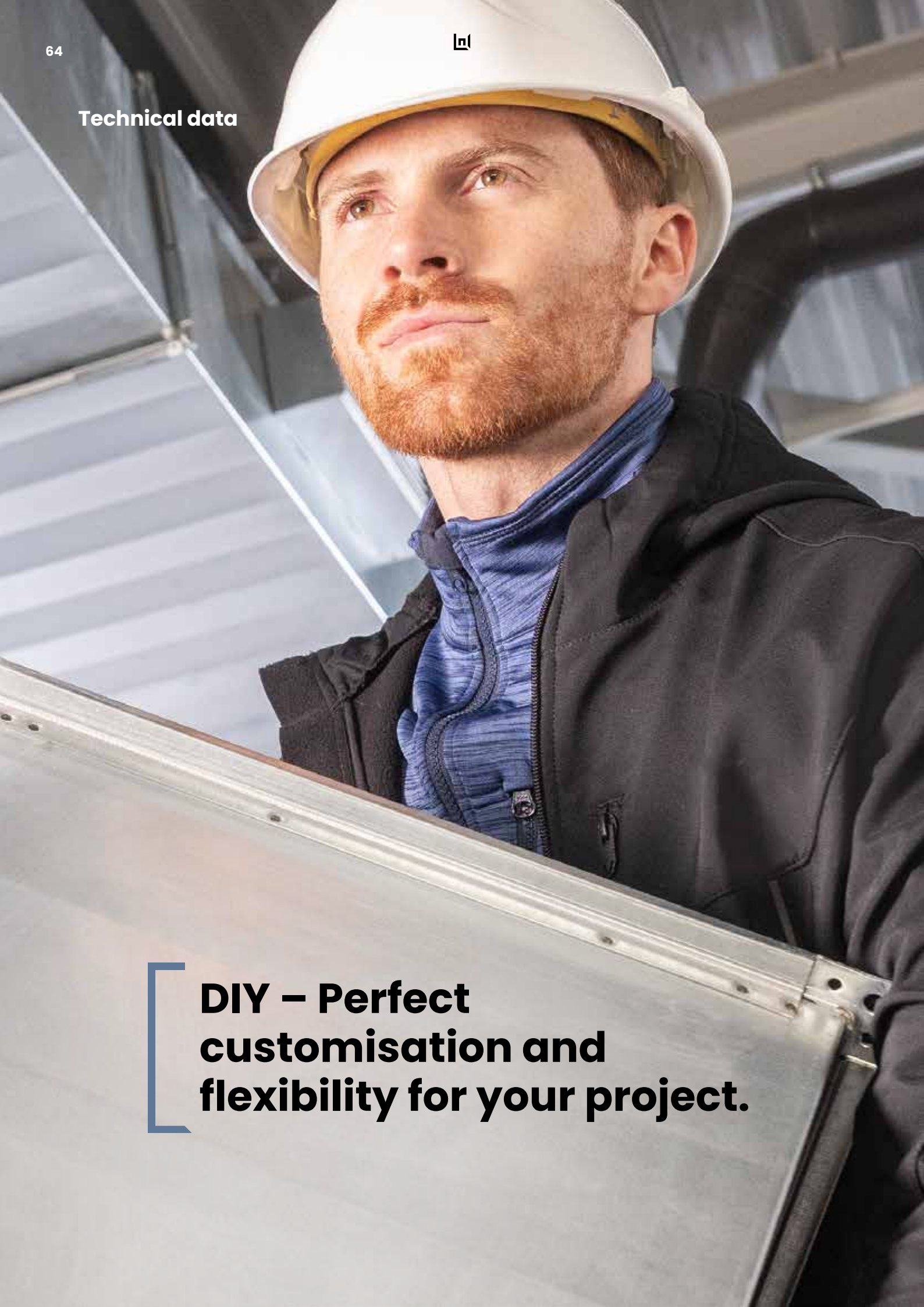
### Gebhardt Leak-Finder



- Leak detection spray for checking the tightness of ventilation systems, gas pipes, pressurised boilers, valves as well as screwed and welded connections
- Convenient and accurate application in hard-to-reach areas
- Quick and easy to use
- With corrosion protection, DVGW-approved (i. e. tested by the German Technical and Scientific Association for Gas and Water)

Art. no.	Description	Container	Filling quantity	PU
65500005	Gebhardt Leak-Finder – 400 ml	Can	400 ml	12 pcs.

## Technical data



**DIY – Perfect  
customisation and  
flexibility for your project.**

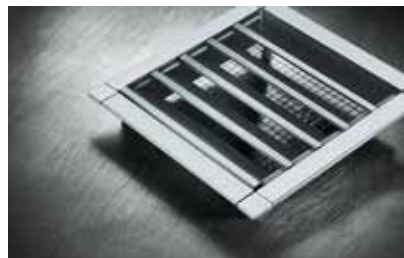


# DIY kits

Our high-quality DIY kits provide maximum flexibility so that you can assemble the components you require all by yourself. Each item in our range features premium workmanship and fulfils the most stringent airtightness requirements.



**66** flex.x-system



**72** Weather louvres



**76** Volume control damper kit



## flex.x-system

The flex.x-system is designed to help you create compensators or elastic connection spigots (canvas spigots) all by yourself – with impeccable quality. Conceived as a self-assembly system for flexible connections, it is absolutely airtight and fulfils the most stringent air tightness requirements without even the need to install sealing tape. The self-assembly system is suitable for both rectangular and round air ducts, as well as for connection with drive cleats or duct clamps. The finished compensators serve to ensure, for example, expansion compensation and structure-borne sound decoupling in air ducts and HVAC systems.

flex.x-PVC



- Elastic connection with a sealing lip on both sides, conceived for creating rectangular compensators
- Also suitable for round connection sleeves
- Temperature resistance from -30 °C to +80 °C
- Special PVC in one piece, approved to VDI 6022

Art. no.	Description	Material	Width	Length	PU
10616080	flex.x-PVC 105	PVC	105 mm	70 m	70 m
10616081	flex.x-PVC 130	PVC	130 mm	70 m	70 m
10616082	flex.x-PVC 155	PVC	155 mm	70 m	70 m
10616083	flex.x-PVC 180	PVC	180 mm	70 m	70 m

flex.x-ATEX



- Elastic connection with a sealing lip on both sides; antistatic for EX-protected areas
- Conceived for creating rectangular compensators, colour: black
- Temperature resistance from -10 °C to +70 °C

Art. no.	Description	Width	Length	PU
10616071	flex.x-ATEX 130	130 mm	65 m	65 m
10616072	flex.x-ATEX 155	155 mm	65 m	65 m
10616073	flex.x-ATEX 180	180 mm	65 m	65 m





**flex.x-fusion tape**



- Special PVC, fabric colour: grey
- Designed to permanently join the two flex.x PVC ends together by welding
- Temperature resistance from -30 °C to +70 °C, approved to VDI 6022

Art. no.	Description	Material	Width	Length	PU
10616084	flex.x-fusion tape	PVC	20 mm	50 m	50 m
10616074	flex.x-fusion tape ATEX		20 mm	50 m	50 m

**flex.x-flange**



- Suitable for connection with drive cleats or duct clamps
- Equal contact pressure across the entire length of the profile thanks to internal folding

Art. no.	Description	Material	Length	PU
10616086	flex.x-flange 20	Galvanized	5000 mm	500 m
10616087	flex.x-flange 20	Stainless steel AISI 304	5000 mm	100 m
10616088	flex.x-flange 20	Stainless steel AISI 316	5000 mm	100 m
10616089	flex.x-flange 20	Galvanized	5000 mm	500 m
10616090	flex.x-flange 20	Stainless steel AISI 304	5000 mm	100 m
10616091	flex.x-flange 20	Stainless steel AISI 316	5000 mm	100 m





flex.x-corner



Art. no.	Description	Material	Screw hole	PU
1 10616092	flex.x-corner 20	Galvanized	Slotted hole	500 pcs.
10616093	flex.x-corner 20	Stainless steel AISI 316	Slotted hole	100 pcs.
2 10616094	flex.x-corner 20	Galvanized	Slotted hole	250 pcs.
10616095	flex.x-corner 20	Stainless steel AISI 316	Slotted hole	100 pcs.

flex.x-hot air welding device



- User-friendly handling
- Designed for joining the two cut edges of the flex.x-PVC together by welding
- Ready to handle the following standard bellow widths 105/130/155/180 mm
- Only one combination carrier plate is required for all standard widths
- Equipped with digital temperature control and LCD display

Art. no.	Description	PU
10616085	flex.x-hot air welding device	1 pc.





# Flexible duct connections

## Flexible duct connections – polyester/PVC



- Polyester fabric with PVC coating secured to sheet metal on both sides
- Colour of fabric: grey
- Flammable: DIN 4102 – B2
- Suitable for air-tightness class C
- Temperature resistance: -30 °C to +70 °C
- Tested to DIN EN ISO 846
- EV 45/60/35 and EV 45/60/45 also available in 50 mtr.

Art. no.	Description	Width	Material	Length	PU
10616001	EV 35/60/35	130 mm	Galvanized	1400 m	25 m
10616000	EV 45/60/45	150 mm	Galvanized	1400 m	25 m
10616010	EV 65/95/65	225 mm	Galvanized	800 m	25 m

## Flexible duct connections – fibreglass/PU



- Fibreglass fabric with PU coating secured to sheet metal on both sides
- Colour of fabric: silver grey
- Temperature resistance: -30 °C to +100 °C
- Fire resistance: M0 and +400 °C/2H
- EV 45/60/45 also available in 50 mtr

Art. no.	Description	Width	Material	Length	PU
10616045	EV 35/60/35 – PU	130 mm	Galvanized	1400 m	25 m
10616040	EV 45/60/45 – PU	150 mm	Galvanized	1400 m	25 m

## Flexible duct connections – silicon



- Fibreclass fabric with silicon coating secured to sheet metal on both sides
- Colour of fabric: silver grey
- Temperature resistance: -50 °C to +200 °C

Art. no.	Description	Width	Material	Length	PU
10616030	EV 45/60/45 – Sil	150 mm	Galvanized	1400 m	25 m



## Weather louvres

**Our weather louvres are designed to provide reliable protection against the intrusion of rain, leaves or birds. They come as easy-to-assemble self-assembly systems and are available in various dimensions. The assembled systems are used to protect ventilation ducts, AHU systems and wall breakthroughs/openings.**



## Weather louvres





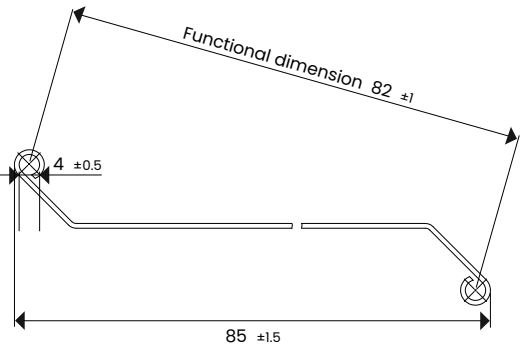
Frame profile



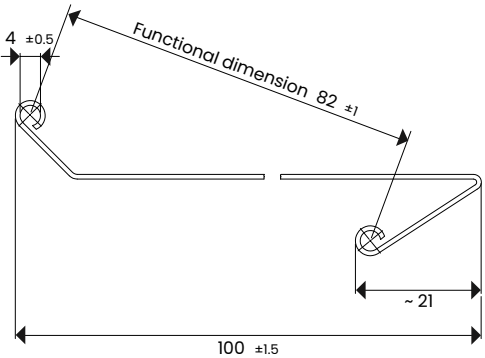
Art. no.	Description	Material	Length	Thickness	PU
40003000	Frame profile – BR 40/62	Galvanized	5000 mm	1 mm	300 m
40003009	Frame profile – BR 40/62	Zinc Magnelis® 120	5000 mm	1 mm	300 m
40013000	Frame profile – BR 40/62	Aluminium	5000 mm	1 mm	300 m
40023000	Frame profile – BR 40/62	Stainless steel AISI 304	5000 mm	1 mm	300 m

Blade profile

1



2



Art. no.	Description	Material	Length	Thickness	PU
1 40005000	Blade profile – LP 66	Galvanized	5000 mm	0.75 mm	600 m
40006000	Blade profile – LP 66	Galvanized	5000 mm	1 mm	600 m
40005009	Blade profile for louver LP 66	Zinc Magnelis® 120	5000 mm	0.75 mm	600 m
40015000	Blade profile – LP 66	Aluminium	5000 mm	0.9 mm	600 m
40025000	Blade profile – LP 66	Stainless steel AISI 304	5000 mm	0.7 mm	600 m
2 40007000	Blade profile – LP 66	Galvanized	5000 mm	0.75 mm	300 m

Blade holder profile



Art. no.	Description	Material	Length	PU
40008000	Blade holder profile LH 40	Galvanized	2500 mm	2.5 m

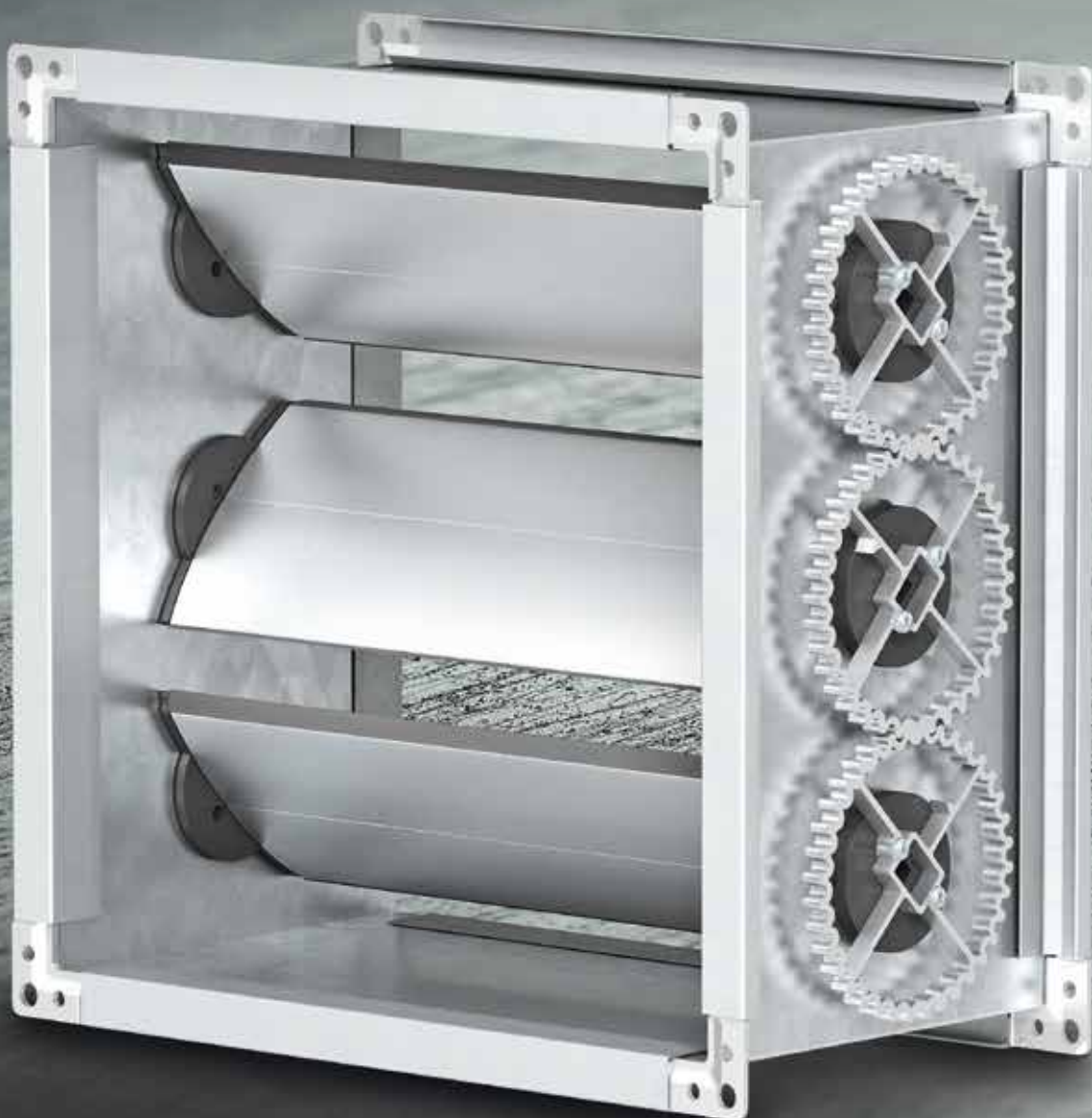
Corner



	Art. no.	Description	Material	PU
1	40000000	Corner – BR 40	Galvanized	250 pcs.
	40010000	Corner – BR 40	Aluminium	250 pcs.
	40020000	Corner – BR 40	Stainless steel AISI 304	250 pcs.
2	40000005	Corner BR 40 with fixing wings	Galvanized	250 pcs.





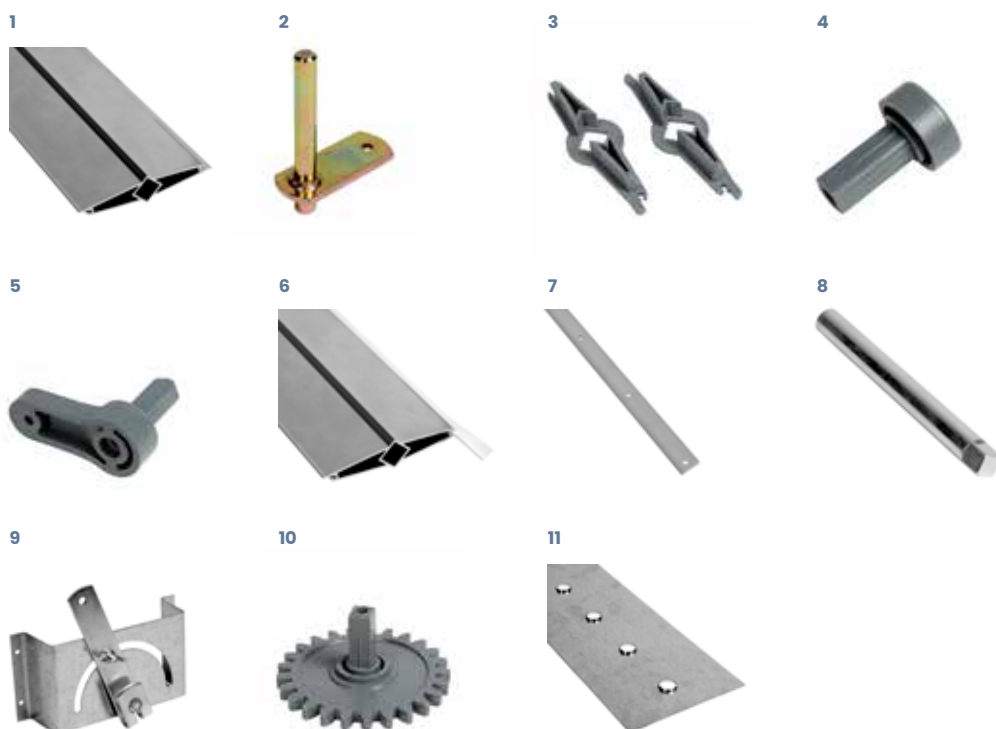


## Volume control damper kit

**This DIY volume control damper kit ensures a seamless connection with both new and existing air ducts. It can be quickly connected thanks to the use of DW profiles and corners, enabling a fast and straightforward installation. Based on a variable and rapid modular system**



## Volume control damper kit



	Art. no.	Description	Material	Length	PU
1	50000000	KR 110 Blade profile	Aluminium	5000 mm	5 pcs.
2	50001000	KR 10 Spindle	Zinc plated	-	100 pcs.
3	50001100	KR 01R Blade insert right	Plastic	-	100 pcs.
	50001150	KR 01L Blade insert left	Plastic	-	100 pcs.
4	50001200	KR 02 End bearing	Plastic	-	100 pcs.
5	50001300	KR 03 Link arm	Plastic	-	300 pcs.
6	50001500	KR 05 Edge seal for blade profile	Rubber	-	200 pcs.
7	50001610	KR 06L Linkage	Aluminium	3000 mm	1 pc.
8	50001900	KR 09 Spindle	Plastic	-	10 pcs.
9	50012000	KR 12 Quadrant with handle	Zinc plated	-	60 pcs.
10	50016000	KR 16 Gear wheel	Plastic	-	100 pcs.
11	50500000	KR 50 Side plate	Galvanized	2500 mm	75 pcs.
	50510000	KR 50 Side plate	Aluminium	2500 mm	2.5 pcs.

## Technical data

**[ Smart technology  
meets user friendliness.**

# Tools

## Leak proof tester



Art. no.	Description	PU
10616099	Leak proof tester	1 pc.

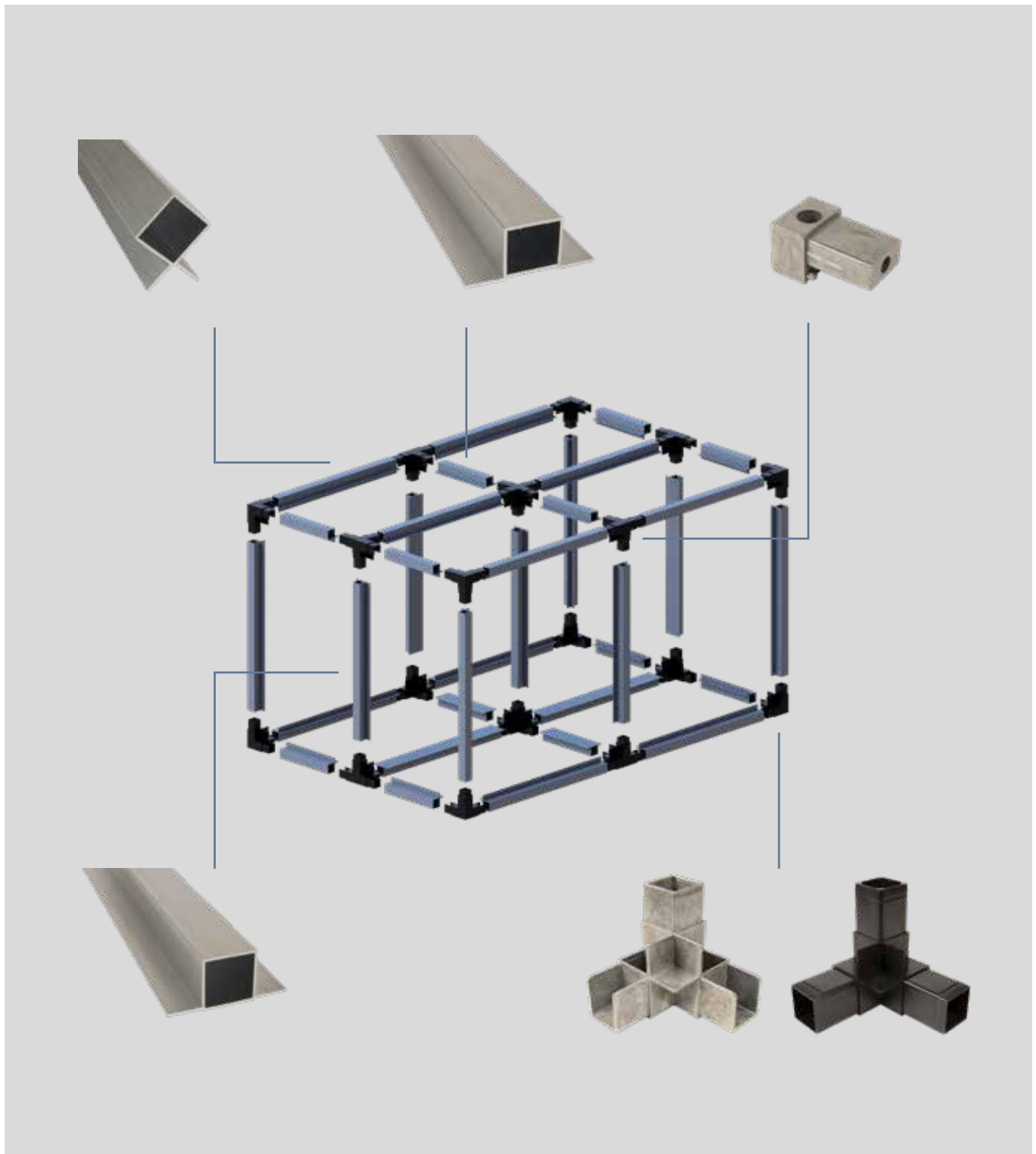
- Suitable for use on HVAC systems
- Designed to detect and quantify air leakage and to determine the air tightness class of a duct
- Automatic measuring process in accordance with DIN EN 1507 and DIN EN 12237
- For positive and negative pressure tests
- Controllable via Android app
- Wide range of applications, from small to large-scale systems
- Integrated thermal printer with serial USB interface
- Easy to operate and featuring a clear menu navigation

## Pneumatic punch press



Art. no.	Description	PU
80000000	Pneumatic punch press	1 pc.

- Ensures speedy yet accurate centre-punching of air duct flanges and corners
- Suitable for slip-on flanges 20, 30 and 40
- Only one tool holder is required for systems 20, 30 and 40
- Quick die changeover from 20/30 frames to 40 frames
- Only compressed-air supply is required to operate the device
- Thanks to time-controlled pneumatic components, no foot switch is needed to trigger the punching process
- The corners inserted into the frame are locked in place by way of the small circular dents created by the pneumatic punch press
- Corrosion-free connection of flanges and corners
- The flange frames cannot fall apart in subsequent work processes



## Arosio systems

**A.P.S. Arosio is a production company and a reference brand, in Italy and in the world, in the construction and distribution of containment frames for Air Handling Units (AHU). The high technological skills of the design office linked to the highest quality of the materials used make APS Arosio the leader in the AHU market.**



Discover our range of more than 60 different Arosio systems! Each system is fully customisable and available as a ready-to-assemble self-assembly system. The perfect solution to whatever need you bring to the table.



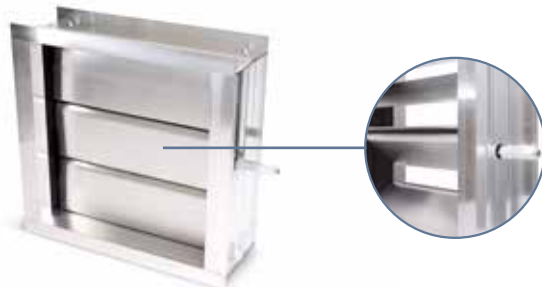
#### Weather louvres

- High protection against rain and external elements
- The maximum flow of air and the drainage channels assure a perfect water flow
- The frame and the blades are made of extruded aluminium
- Blade 50 mm and 100 mm



#### Droplet separators

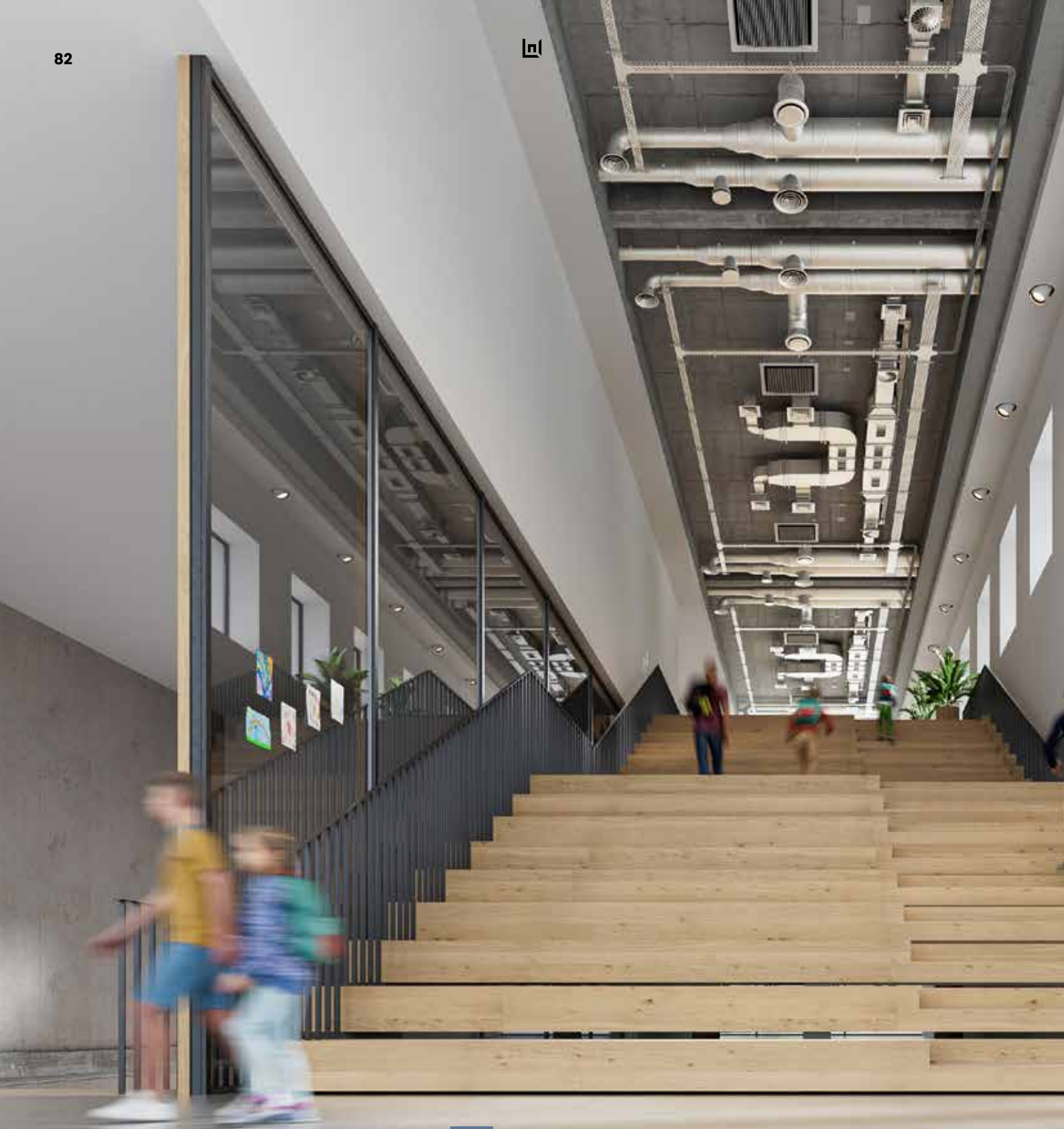
- Provides an integrated water drainage system that does not require further machining on the profiles
- The nylon molded profiles allows to apply the blade profiles PSG10, PSG20 and PSG33 more easily and safely.
- Blade 25 mm and 33 mm



#### Turning vane fastening

- For adjusting the air flow in the air conditioning unit or ventilation ducts
- The frame and the blades are made of extruded aluminium
- Assemble is simple and fast
- Frame thickness 1.8 mm
- Blade 100 mm

For more information on our complete range, please contact our sales team at [sales@waalstaal.nl](mailto:sales@waalstaal.nl).



**For a productive learning environment: good air quality enhances concentration and is key to successful learning.** Therefore, reliable ventilation systems are required indoors that ensure a fresh atmosphere for a productive learning environment.

**We take care of clean air: custom-fit solutions for every walk of life.**



**Air hygiene in healthcare:  
Clean air can save lives.**

Especially in sensitive areas (such as intensive care units or operating theatres), it is of paramount importance to minimise the risk of air-borne infection. DeWaal slip-on flanges meet stringent air quality standards and impress as indispensable details that make a difference in achieving seamless system excellence.

**Functionality and design:  
Optimum air quality enhances  
wellbeing in the workplace.**

Furthermore, fresh air improves concentration and boosts performance. Especially in large offices, efficient ventilation solutions are essential for safeguarding employee health. Also, smart HVAC systems provide a modern industrial look to indoor spaces, thus creating a stimulating work environment.







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