

MV System - innovative solutions for the air-conditioning and ventilation trade

MV-30 Ventilation Channel

This unique channel system has been specifically designed for supporting rectangular ducts, the high rigidity of the system allows for the vast majority of ductwork to be cost effectively supported using MV. The MV system is also easy to handle due to its low weight and being easy to cut on site. The convenience of the system is further improved through the use of DIN standard parts, see opposite page for further details.

Air Duct Angles

These convenient parts may be used to quickly and easily suspend rectangular air ducting either directly or with the use of threaded rod. The range includes parts which have the ability to provide position adjustment and have adaptable hole patterns for attaching using self drilling screws. Testing has demonstrated that the use of self drilling screws with these parts produces virtually no leakage of pressure from the ductwork.

The range also includes built-in noise adsorption materials and parts which accommodate for the addition of insulation.



MV-PI Spiral Duct Clips

These clips are designed to coincide with the diameters of round spiral ducting. They are quick and easy to fit due to the vertical closure system and the securely fixed rubber inlays. All diameters provide noise insulation.



MV-30 ventilation channel

Advantages

- "I" box section for high loads
- One type of channel for most applications
- Easy installation using standard DIN parts *
- Optimized duct installation channel for duct widths of up to 1m
- Low profile and low weight

* For suspension with threaded rods use of the following U-washers is recommended:

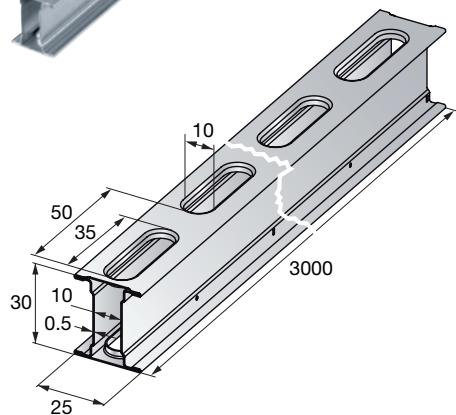
M8: Item no.: 282860 A 8.4–28 or at least DI Ø 8.4 × DA 22
 M10: Item no.: 282862 A10.5–28 or at least DI Ø 10.5 × DA 22



Technical data

Material:	DX51D as per DIN EN 10327				
Galvanizing:	Sendzimir galvanized, approx. 10 µm				

Channel height [mm]	length [m]	Weight / m [g]	Package contents [m]	Ordering designation	Item no.
30	3	490	18	MV-30 3m	386478



MV-RI rubber inlay for MV-30 channel

For the acoustic insulation of air duct supports.

Advantages

- Easy to fit on the channel
- With wide edge-gripping insulating profile, thus no contact between the duct and the channel
- Large area of contact between channel insulation profile and duct for good dissipation or avoidance of vibration and structure-borne sound



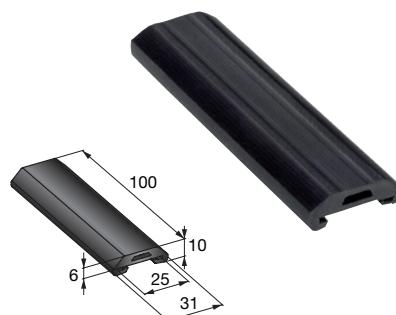
Technical data

Material quality:	EPDM
Hardness:	55° ± 5 shore A
Temperature resistance:	-40°C to +110°C
Compressive strength:	6 N/mm ²
Resistance to aging:	Tested as per DIN 53509 and 53508
Chemical resistance:	UV light, diluted acids and alkalis, alcohol solutions, water and water-based solutions
Limited resistance to:	Hot oil and grease, aliphatic and aromatic hydrocarbons, fuels
Noise reduction:	Up to 13 dB



For channel [mm]	Weight each [g]	Package contents	Ordering designation	Item no.
MV-30	4300	1 *	MV-RI 20 m	386548
MV-30	22	100	MV-RI 10 cm	386549

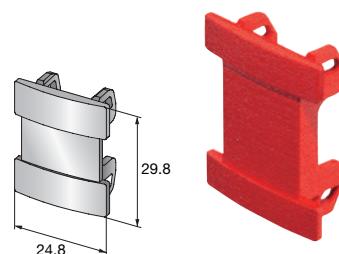
* 1 roll of 20 m



MVZ-E30 channel end cap

Made from polypropylene (PP), suitable for MV-30 channel

For channel	Weight each [g]	Package contents	Ordering designation	Item no.
MV-30	2	50	MVZ-E30	386479



Accessories

MVZ-DC ventilation duct clamp

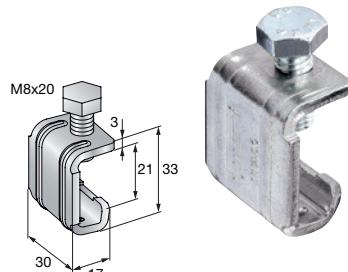
Advantages

- One clamp for 20 mm and 30 mm flanges
- Two strengthening beads running all round for high rigidity
- Easy to install with screws
- No preliminary installation and drilling required
- Can also be used as additional fastening with large ducts

Technical data

Material:	DD11 steel as per DIN EN 10111
Electrogalvanized:	13 µm
Max. clamping width:	21 mm
Tightening torque:	Md = 5 Nm

Clamping range [mm]	Recom. tightening torque Md [Nm]	Weight each [g]	Package contents	Ordering designation	Item no.
20/30	5	53	100	MVZ-DC	386557



MV-PI spiral duct clips

The solution for folded spiral-seam tubes as per DIN 24 145 / DIN EN 1506.

Advantages

- Click closure: ducts in diameters up to 450 mm can be inserted and fastened quickly and conveniently by way of the vertical quick-lock closure
- Captive acoustic insulation insert; EPDM insert with wide edge-gripping profile (up to 450 mm dia.); adhesive bonded on 500 mm dia. and larger – prevents slippage of rubber insert during installation
- Clamping ranges suitable for all standard sized folded spiral-seam ducts
- Threaded bosses in sizes to suit the application (M8, M/M10)



Technical data

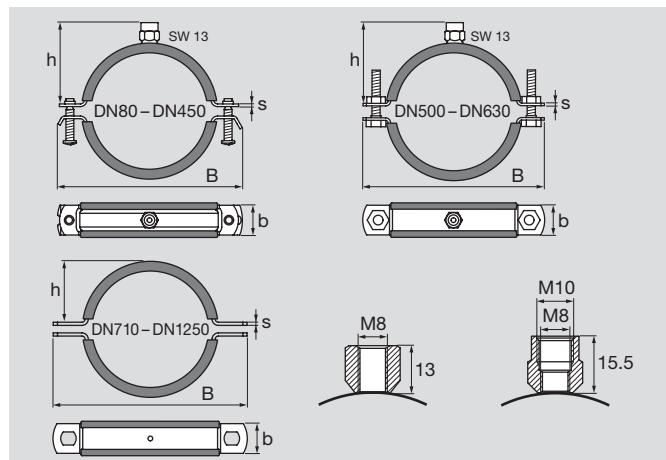
Max. recommended static load for suspension:

Up to size 200	max. F_{rec} = 0,7 kN
Up to size 224–450	max. F_{rec} = 1,2 kN
Up to size 500–800	max. F_{rec} = 1,5 kN
Up to size 900–1250	max. F_{rec} = 1,5 kN

Material:	DD11 steel as per DIN EN 10111
Electrogalvanized:	13 µm
Rubber profile material:	EPDM
Temperature resistance:	-40 °C to +110 °C
Hardness:	55° ± 5 shore A
Noise reduction:	DN80–DN200 Up to 17 dB DN224–DN1250 Up to 24 dB



Acoustic insulation
DIN 4109
inspected



Nominal diameter	Threaded boss	B [mm]	b [mm]	s [mm]	h [mm]	Closure screw	Weight each [g]	Package contents	Ordering designation	Item no.
80	M8	131	20	1.5	55	M6 × 32	132	25	MV-PI 80 M8	386480
100	M8	152	20	1.5	65	M6 × 32	154	25	MV-PI 100 M8	386481
125	M8	177	20	1.5	78	M6 × 32	181	25	MV-PI 125 M8	386482
140	M8	192	20	1.5	85	M6 × 32	197	25	MV-PI 140 M8	386483
150	M8	202	20	1.5	90	M6 × 32	208	20	MV-PI 150 M8	386484
160	M8	212	20	1.5	95	M6 × 32	218	20	MV-PI 160 M8	386485
180	M8	232	20	1.5	105	M6 × 32	240	15	MV-PI 180 M8	386486
200	M8	252	20	1.5	122	M6 × 32	261	15	MV-PI 200 M8	386487
224	M8/M10	281	25	2.0	133	M6 × 42	431	10	MV-PI 224 M8/M10	386488
250	M8/M10	307	25	2.0	146	M6 × 42	473	10	MV-PI 250 M8/M10	386489
280	M8/M10	337	25	2.0	161	M6 × 42	522	10	MV-PI 280 M8/M10	386490
300	M8/M10	359	25	2.0	171	M6 × 42	554	10	MV-PI 300 M8/M10	386491
315	M8/M10	374	25	2.0	176	M6 × 42	579	10	MV-PI 315 M8/M10	386492
355	M8/M10	414	25	2.0	198	M6 × 42	645	10	MV-PI 355 M8/M10	386493
400	M8/M10	459	25	2.0	221	M6 × 42	718	10	MV-PI 400 M8/M10	386494
450	M8/M10	509	25	2.0	247	M6 × 42	800	10	MV-PI 450 M8/M10	386495
500	M8/M10	566	25	2.5	267	M10 × 50	1109	10	MV-PI 500 M8/M10	386496
560	M8/M10	626	25	2.5	298	M10 × 50	1224	10	MV-PI 560 M8/M10	386497
600	M8/M10	666	25	2.5	318	M10 × 50	1300	10	MV-PI 600 M8/M10	386498
630	M8/M10	698	25	2.5	333	M10 × 50	1359	10	MV-PI 630 M8/M10	386499
710	–	778	25	2.5	357	Hole 11 × 13	1313	10	MV-PI 710	386500
800	–	868	25	2.5	402	Hole 11 × 13	1584	10	MV-PI 800	386501
900	–	971	30	3.0	451	Hole 11 × 13	2458	10	MV-PI 900	386502
1000	–	1071	30	3.0	502	Hole 11 × 13	2723	10	MV-PI 1000	386503
1120	–	1192	30	3.0	562	Hole 11 × 13	3040	8	MV-PI 1120	386504
1250	–	1322	30	3.0	627	Hole 11 × 13	3383	6	MV-PI 1250	386505

MV-SI perforated band hanger

The flexible perforated band suspension system.

Advantages

- Easy to use
- Fits all folded spiral-seam tube sizes
- Built-in acoustic insulation piece with through-hole and preassembled U-washer for M8/M10 threaded rods
- Height adjustment possible even after installation
- Insulation piece does not drop out during installation



Technical data

Max. recommended static load

for suspension: max. $F_{rec} = 0,6$
kN *

Perforated band fastened by M6 metric screw
and M6 hex. nut

Material: DD11 steel as per DIN EN 10111

Galvanizing: Sendzimir galvanized, approx. 10 µm

Insulation piece: EPDM

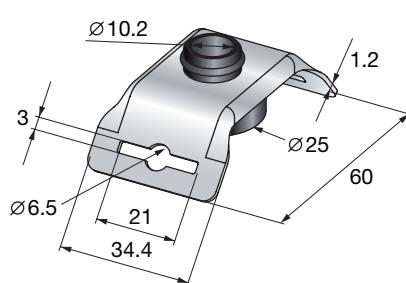
Temperature resistance: -40°C to +110°C

Hardness: 60° ± 5 shore A

Noise reduction: Up to 18 dB

* Load values for MV-SI only. The load values for the selected perforated band must be taken into account.

For max. band-width [mm]	For max. band-thickness [mm]	Max. load F_{max} [kN]	Weight each [g]	Package contents	Ordering designation	Item no.
20	2.5	0.6	29	50	MV-SI	386530

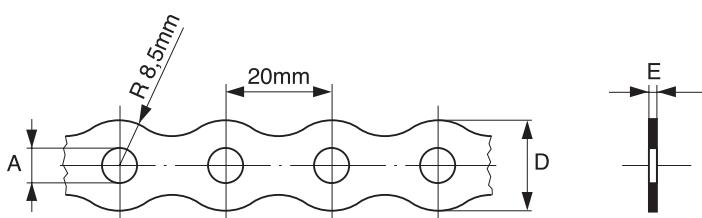


Perforated band

In 10-meter rolls

Advantages

- Matched accessory for use with MV-SI perforated band hanger
- Suitable for universal use
- Good appearance
- Good corrosion resistance
- Punched edges are plastic coated (LBK18)



Technical data

Material: Galvanized steel (LB17)
with additional plastic coating (only LBK 18)

Hole spacing [mm]	Band width D [mm]	Hole dia. A [mm]	Band thickness E [mm]	Max. load F_{max} [kN]	Weight each [g]	Package contents	Ordering designation	Item no.
21	17	6.6	1.5	1.2	950	1	LB 17	57712
20	17	7	1.5	1.2	992	1	LBK18	57724

MVA-S ventilation duct hanger

For fastening folded spiral-seam tubes in visual range.

Advantages

- With predetermined bending points: adapts easily to any duct diameter
- Large distance between fastening points: less deformation of the duct
- Ideal in visual range
- Built-in acoustic insulation piece with through-hole and preassembled U-washer for M8/M10 threaded rods

Fastening

- Self-drilling screws, 4.2 mm dia.
- Blind rivets: other rivets, 4.0 mm dia.



Technical data

Material:	DD11 steel as per DIN EN 10111
Electrogalvanized:	13 µm
Insulation piece:	EPDM
Temperature resistance:	-40°C to +110°C
Hardness:	60° ± 5 shore A
Noise reduction:	Up to 18 dB

For threaded rod	Max. load F _{max} [kN]	Weight each [g]	Package contents	Ordering designation	Item no.
M8/M10	0.6	115	20	MVA-S	386544

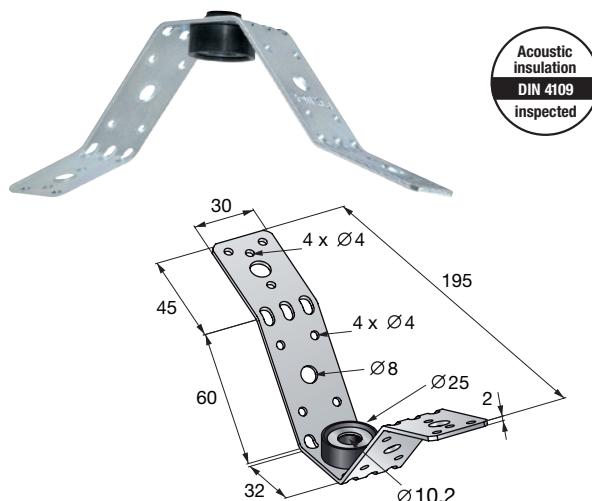
**Hilti S-MS01Z 4.0x13 screws -
the high speed screw for mechanical ventilation installation.**



Item no.
406473



Item no.
406471



Acoustic insulation
DIN 4109
inspected

MVI-B acoustic insulation buffer

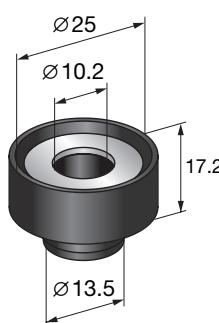
Advantages

- Built-in acoustic insulation piece with through-hole and preassembled U-washer for M8/M10 threaded rods
- The universal acoustic insulation element

Technical data

Insulating element:	EPDM
Temperature resistance:	-40°C to +110°C
Hardness:	60° ± 5 shore A
Noise reduction:	Up to 18 dB

For threaded rod	Max. load F _{max} [kN]	Weight each [g]	Package contents	Ordering designation	Item no.
M8/M10	0.6	11	100	MVI-B	386556



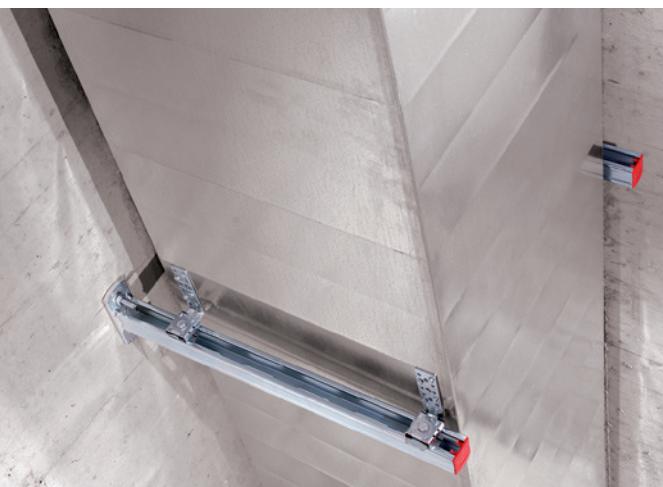
Acoustic insulation
DIN 4109
inspected

MVA-LC ventilation comfort angle

The exceptional fastening system for rectangular air ducts, suspended and in vertical shafts.

Advantages

- Convenient solution for fastening ventilation ducts directly to ceilings, suspended on threaded rods or in conjunction with MQ system for rising ducts
- Scale for precise alignment and stand-off installation
- Elongated hole allows compensation of dimensional tolerances in the structure and avoidance of rebars during installation
- Rapid installation possible with in-place parts (holes can be drilled through the elongated hole)
- Can be fitted on MQ installation channel or fastened directly to the base material
- Easy subsequent installation of insulation thanks to 30 mm space between the threaded rod and the duct
- Hole size/shape suitable for fastening to ducts using self-drilling screws (4.2, 4.8, 6.3), blind rivets and metric screws / threaded rods (M8))



Technical data

Material:	DD11 steel as per DIN EN 10111
Electrogalvanized:	13 µm
Insulation piece:	EPDM
Temperature resistance:	-40°C to +110°C
Hardness:	40° ± 5 shore A
Noise reduction:	Up to 12 dB

Length (L) [mm]	For threaded rod	Max. load F _{max} [kN]	Weight each [g]	Package contents	Ordering designation	Item no.
60	M8*/M10	0.6	143	25	MVA-LC 60	386533
100	M8*/M10	0.6	154	25	MVA-LC 100	386534

* U-washer recommended, diameter DI 8.4 x DA at least 18



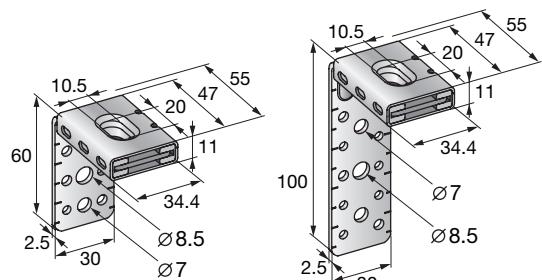
Hilti S-MS01Z 4.0x13 screws - the high speed screw for mechanical ventilation installation.



Item no.
406473



Item no.
406471



MVA-ZC ventilation comfort angle

The easy-to-install suspension system with acoustic insulation for rectangular air ducts.

Advantages

- Elongated hole allows compensation of dimensional tolerances in the structure and avoidance of rebars during installation
- Rapid through-fastening for M8/M10 threaded rods
- Captive acoustic insulation piece
- Height adjustment possible even after installation
- Hole size/shape suitable for self-drilling screws (4.2, 4.8, 6.3) and rivets
- Easy subsequent installation of insulation thanks to 30 mm space between the threaded rod and the duct



Technical data

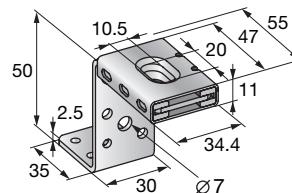
Material:	DD11 steel as per DIN EN 10111		
Electrogalvanized:	13 µm		
Insulation piece:	EPDM		
Temperature resistance:	-40 °C to +110 °C		
Hardness:	40° ± 5 shore A		
Noise reduction:	Up to 12 dB		

Max. load F _{max} [kN]	For threaded rod	Weight each [g]	Package contents	Ordering designation	Item no.
0.6	M8*/M10	136	25	MVA-ZC	386531

* U-washer recommended, diameter DI 8.4 x DA at least 18



Acoustic insulation
DIN 4109
inspected

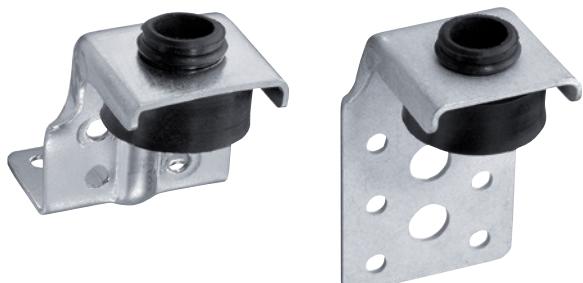


MVA-Z/-L ventilation angle

The compact solution for suspended air ducts.

Advantages

- Easy-to-install threaded rod suspension system for ventilation ducts
- Built-in acoustic insulation piece with through-hole and preassembled U-washer for M8/M10 threaded rods
- Height adjustment possible even after installation
- Angle can be covered with insulation (small gap between angle and duct)
- Hole size/shape suitable for self-drilling screws (4.2) and blind rivets

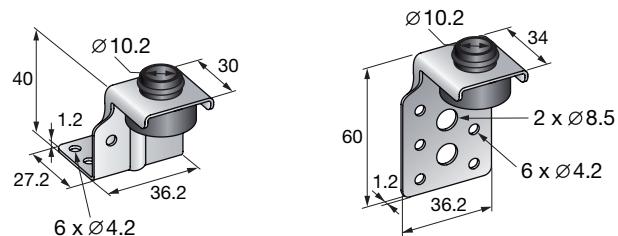


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Technical data

Material:	DD11 steel as per DIN EN 10111		
Galvanized:	Sendzimir galvanized, 10 µm		
Insulation piece:	EPDM		
Temperature resistance:	-40 °C to +110 °C		
Hardness:	60° ± 5 shore A		
Noise reduction:	Up to 18 dB		

Length [mm]	Max. load F _{max} [kN]	For threaded rod	Weight each [g]	Package contents	Ordering designation	Item no.
40	0.5	M8/M10	38	50	MVA-Z	386532
60	0.5	M8/M10	37	50	MVA-L	386535



Acoustic insulation
DIN 4109
inspected

Hilti S-MS01Z 4.0x13 screws - the high speed screw for mechanical ventilation installation.



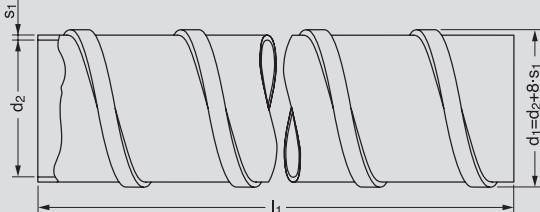
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Table of duct sizes

Folded spiral-seam tube, sizes and dimensions as per DIN 24 145 / DIN EN 1506.



MV-PI / -PIF	rings	DN	d_1 [mm]	d_2 [mm]	s_1 [mm]	Weight empty ~ kg/m for s_1^*				
						0,4 [mm]	0,5 [mm]	0,6 [mm]	0,8 [mm]	1,0 [mm]
MV-PI / -PIF 80	80	83.2	80	0.4	0.85	1.13	1.35			
MV-PI / -PIF 100	100	104.8	100	0.6	1.08	1.41	1.61	2.25		
MV-PI / -PIF 125	125	129.8	125	0.6	1.36	1.76	2.05	2.81		
MV-PI / -PIF 140			*	*	1.52	1.97	2.36	3.15		
MV-PI / -PIF 150	150	154.8	150	0.6		2.11	2.47	3.38		
MV-PI / -PIF 160	160	164.8	160	0.6		2.25	2.65	3.60		
MV-PI / -PIF 180			*	*		2.53	3.07	4.05		
MV-PI / -PIF 200	200	204.8	200	0.6		2.81	3.36	4.50	5.63	
MV-PI / -PIF 224			*	*		3.15	3.78	5.04	6.30	
MV-PI / -PIF 250	250	254.8	250	0.6		3.52	4.20	5.63	7.03	
MV-PI / -PIF 280			*	*		3.94	4.73	6.30	7.88	
MV-PI / -PIF 300	300	306.4	300	0.8		4.22	5.06	6.73	8.44	
MV-PI / -PIF 315	315	321.4	315	0.8		4.43	5.32	7.07	8.86	
MV-PI / -PIF 355	355	361.4	355	0.8		4.99	5.99	7.35	10.00	
MV-PI / -PIF 400	400	406.4	400	0.8		5.63	6.75	8.25	11.25	13.77
MV-PI / -PIF 450	450	456.4	450	0.8			7.60	9.35	12.66	15.49
MV-PI / -PIF 500	500	506.4	500	0.8			8.44	10.40	14.06	17.21
MV-PI / -PIF 560	560	566.4	560	0.8			9.46	11.70	15.75	19.28
MV-PI / -PIF 600			*	*			10.13	13.50	16.82	20.65
MV-PI / -PIF 630	630	638.0	630	1.0			10.64	14.18	16.50	21.69
MV-PI / -PIF 710	710	718.0	710	1.0				15.98	18.60	24.44
MV-PI / -PIF 800	800	808.0	800	1.0				18.01	21.00	27.54
MV-PI / -PIF 900	900	908.0	900	1.0				20.26	24.60	30.98
MV-PI / -PIF 1000	1000	1009.6	1000	1.2				22.51	28.13	31.50
MV-PI 1120	1120	1129.6	1120	1.2					31.51	35.20
MV-PI 1250	1250	1259.6	1250	1.2					35.17	39.40

* Intermediate sizes and sheet metal thicknesses not covered by the standard are possible (e.g. transportation of solids or aggressive vapors)

Weights and selection of channel without insulation

Rectangular-section ventilation duct as per DIN 24190 (galvanized, folded seam)

The weights given are guide values. Information provided by suppliers must be observed.

Weight in [kg per meter length] depending on width / height and sheet metal thickness [mm].

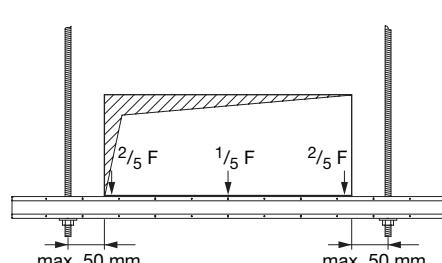
Duct connecting parts (frames) are to be taken into account by an average correction factor.

Sheet 0.75			Sheet 0.88					Sheet 1.0					Sheet 1.13					Sheet 1.25											
200	224	250	280	315	355	400	450	500	560	630	710	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	B / H				
6.1	6.4	6.8	8.3	8.9	9.6	10.4	11.2	12.1	14.9	16.3	17.9	19.6	21.6	23.6	29.3	32.2	35.5	39.9	44.4	48.8	69.4	76.8	85.4	95.3	200				
			6.8	7.1	8.7	9.3	10.0	10.8	11.6	12.5	15.4	16.8	18.3	20.1	22.1	24.0	29.8	32.7	36.0	40.4	44.9	49.3	70.1	77.5	86.1	96.0	224		
					7.4	9.2	9.8	10.4	11.2	12.1	13.0	15.9	17.3	18.8	20.6	22.6	24.5	30.4	33.3	36.6	41.0	45.5	49.9	70.9	78.3	86.8	96.8	250	
						9.7	10.3	11.0	11.7	12.6	13.5	16.5	17.9	19.4	21.2	23.2	25.1	31.0	33.9	37.3	41.7	46.1	50.6	71.7	79.1	87.6	97.6	280	
							10.9	11.6	12.3	13.2	14.1	17.2	18.5	20.1	21.9	23.8	25.8	31.8	34.7	38.0	42.5	46.9	51.3	72.7	80.1	88.6	98.6	315	
								12.3	13.0	13.9	14.8	18.0	19.3	20.9	22.7	24.6	26.6	32.7	35.6	38.9	43.4	47.8	52.2	73.8	81.2	89.8	99.7	355	
									13.8	14.7	15.5	18.8	20.2	21.8	23.6	25.5	27.5	33.7	36.6	39.9	44.4	48.8	53.2	75.1	82.5	91.1	101.0	400	
										15.5	16.4	19.8	21.2	22.8	24.5	26.5	28.5	34.8	37.7	41.0	45.5	49.9	54.3	76.5	83.9	92.5	102.4	450	
											17.3	20.8	22.2	23.7	25.5	27.5	29.4	35.9	38.8	42.1	46.6	51.0	55.4	78.0	85.4	93.9	103.9	500	
												22.0	23.4	24.9	26.7	28.7	30.6	37.3	40.1	43.5	47.9	52.3	56.8	79.7	87.1	95.6	105.6	560	
													24.7	26.3	28.1	30.0	32.0	38.8	41.7	45.0	49.5	53.9	58.3	81.7	89.1	97.6	107.6	630	
														27.9	29.6	31.6	33.6	40.6	43.5	46.8	51.2	55.7	60.1	83.9	91.3	99.9	109.8	710	
															31.4	33.4	35.3	42.6	45.5	48.8	53.2	57.7	62.1	86.5	93.9	102.4	112.4	800	
																	35.3	37.3	44.8	47.7	51.0	55.4	59.9	64.3	89.4	96.8	105.3	115.2	900
																		39.3	47.0	49.9	53.2	57.7	62.1	66.5	92.2	99.6	108.1	118.1	1000
																			49.7	52.6	55.9	60.3	64.8	69.2	95.6	103.0	111.5	121.5	1120
																			52.6	55.4	58.8	63.2	67.6	72.1	99.3	106.7	115.2	125.2	1250
																			55.9	58.8	62.1	66.5	71.0	75.4	103.6	111.0	119.5	129.5	1400
																			60.3	63.2	66.5	71.0	75.4	79.8	109.3	116.7	125.2	135.2	1600
																			64.8	67.6	71.0	75.4	79.8	84.3	115.0	122.4	130.9	140.9	1800
																			69.2	72.1	75.4	79.8	84.3	88.7	120.7	128.1	136.6	146.5	2000
																			74.5	77.4	80.7	85.2	89.6	94.0	127.5	134.9	143.4	153.4	2240
																			80.3	83.2	86.5	90.9	95.4	99.8	134.9	142.3	150.8	160.8	2500
																			86.9	89.8	93.1	97.6	102.0	106.4	143.4	150.8	159.4	169.3	2800
																			94.7	97.6	100.9	105.3	109.8	114.2	153.4	160.8	169.3	179.3	3150

Channel selection table: Weights given apply to a span of 3.0 meters between fastening points.

Weight in [kg per meter length] depending on width / height and sheet metal thickness [mm].

Duct connecting parts (frames) are to be taken into account by an average correction factor.



Weights and selection of channel with insulation

Rectangular-section ventilation duct as per DIN 24190 (galvanized, folded seam) with insulation (30 mm alu foil-backed mineral wool) The weights given are guide values. Information provided by suppliers must be observed.

Weight in [kg per meter length] depending on width / height and sheet metal thickness [mm].

Duct connecting parts (frames) are to be taken into account by an average correction factor.

Sheet 0.75			Sheet 0.88					Sheet 1.0					Sheet 1.13					Sheet 1.25					B / H		
200	224	250	280	315	355	400	450	500	560	630	710	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	
7.6	8.0	8.4	10.0	10.7	11.6	12.5	13.6	14.6	17.7	19.3	21.1	23.2	25.5	27.9	34.0	37.4	41.2	46.4	51.6	56.7	78.2	86.6	96.2	107.4	200
	8.4	8.8	10.5	11.2	12.1	13.0	14.1	15.1	18.2	19.8	21.7	23.8	26.1	28.4	34.6	38.0	41.9	47.0	52.2	57.3	79.0	87.3	96.9	108.2	224
		9.2	11.1	11.8	12.6	13.6	14.6	15.7	18.8	20.4	22.3	24.4	26.7	29.0	35.3	38.7	42.5	47.7	52.8	58.0	79.8	88.2	97.8	109.0	250
			11.7	12.4	13.3	14.2	15.2	16.3	19.5	21.1	23.0	25.1	27.4	29.7	36.1	39.4	43.3	48.5	53.6	58.8	80.8	89.1	98.7	110.0	280
			13.1	14.0	14.9	16.0	17.0	20.3	21.9	23.8	25.9	28.2	30.5	37.0	40.3	44.2	49.4	54.5	59.7	81.9	90.2	99.9	111.1	315	
			14.8	15.8	16.8	17.8	21.3	22.9	24.7	26.8	29.1	31.5	38.0	41.4	45.2	50.4	55.5	60.7	83.2	91.5	101.1	112.4	355		
				16.7	17.7	18.8	22.3	23.9	25.8	27.9	30.2	32.5	39.2	42.5	46.4	51.6	56.7	61.9	84.6	93.0	102.6	113.8	400		
				18.8	19.8	23.5	25.1	26.9	29.0	31.4	33.7	40.5	43.8	47.7	52.8	58.0	63.2	86.2	94.6	104.2	115.4	450			
					20.9	24.6	26.2	28.1	30.2	32.5	34.8	41.8	45.1	49.0	54.1	59.3	64.4	87.8	96.2	105.8	117.0	500			
					26.0	27.6	29.5	31.6	33.9	36.2	43.3	46.7	50.5	55.7	60.8	66.0	89.8	98.1	107.7	118.9	560				
					29.3	31.1	33.2	35.5	37.9	45.1	48.5	52.3	57.5	62.6	67.8	92.0	100.3	110.0	121.2	121.2	630				
						33.0	35.1	37.4	39.7	47.2	50.5	54.4	59.5	64.7	69.9	94.6	102.9	112.5	123.7	123.7	710				
						37.2	39.5	41.8	49.5	52.8	56.7	61.9	67.0	72.2	97.5	105.8	115.4	126.6	126.6	800					
						41.8	44.1	52.1	55.4	59.3	64.4	69.6	74.8	100.7	109.0	118.6	129.8	129.8	900						
							46.5	54.6	58.0	61.9	67.0	72.2	77.3	103.9	112.2	121.8	133.0	133.0	1000						
								57.7	61.1	65.0	70.1	75.3	80.4	107.7	116.0	125.7	136.9	136.9	1120						
								61.1	64.4	68.3	73.5	78.6	83.8	111.9	120.2	129.8	141.0	141.0	1250						
								65.0	68.3	72.2	77.3	82.5	87.6	116.7	125.0	134.6	145.9	145.9	1400						
								70.1	73.5	77.3	82.5	87.6	92.8	123.1	131.4	141.0	152.3	152.3	1600						
								75.3	78.6	82.5	87.6	92.8	97.9	129.5	137.8	147.5	158.7	158.7	1800						
								80.4	83.8	87.6	92.8	97.9	103.1	135.9	144.3	153.9	165.1	165.1	2000						
								86.6	90.0	93.8	99.0	104.1	109.3	143.6	151.9	161.6	172.8	172.8	2240						
								93.3	96.7	100.5	105.7	110.8	116.0	151.9	160.3	169.9	181.1	181.1	2500						
								101.0	104.4	108.3	113.4	118.6	123.7	161.6	169.9	179.5	190.7	190.7	2800						
								110.1	113.4	117.3	122.4	127.6	132.7	172.8	181.1	190.7	202.0	202.0	31500						

Channel selection table: Weights given apply to a span of 3.0 meters between fastening points.

Weight in [kg per meter length] depending on width / height and sheet metal thickness [mm].

Duct connecting parts (frames) are to be taken into account by an average correction factor.

Sheet 0.75			Sheet 0.88					Sheet 1.0					Sheet 1.13					Sheet 1.25					B / H		
200	224	250	280	315	355	400	450	500	560	630	710	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	
22.7	23.9	25.2	30.1	32.2	34.7	37.6	40.7	43.8	53.0	57.8	63.4	69.7	76.6	83.6	102.1	112.1	123.7	139.2	154.7	170.1	234.7	259.7	288.5	322.2	200
	25.1	26.4	31.6	33.7	36.3	39.1	42.2	45.3	54.6	59.5	65.1	71.3	78.3	85.3	103.9	114.0	125.6	141.0	156.5	172.0	237.0	262.0	290.8	324.5	224
		27.7	33.2	35.4	37.9	40.7	43.8	47.0	56.4	61.3	66.9	73.2	80.1	87.1	105.9	116.0	127.6	143.1	158.5	174.0	239.5	264.5	293.3	327.0	250
			35.1	37.3	39.8	42.6	45.7	48.8	58.5	63.4	69.0	75.2	82.2	89.2	108.3	118.3	129.9	145.4	160.8	176.3	242.3	267.3	296.2	329.9	280
				39.4	41.9	44.8	47.9	51.0	61.0	65.8	71.4	77.7	84.7	91.6	111.0	121.0	132.6	148.1	163.6	179.0	245.7	270.7	299.6	333.2	315
					44.5	47.3	50.4	53.5	63.8	68.6	74.2	80.5	87.4	94.4	114.1	124.1	135.7	151.2	166.6	182.1	249.6	274.6	303.4	337.1	355
						50.1	53.2	56.3	66.9	71.8	77.3	83.6	90.6	97.5	117.5	127.6	139.2	154.7	170.1	185.6	253.9	278.9	307.7	341.4	400
							56.3	59.5	70.4	75.2	80.8	87.1	94.1	101.0	121.4	131.5	143.1	158.5	174.0	189.5	258.7	283.7	312.5	346.2	450
								62.6	73.9	78.7	84.3	90.6	97.5	104.5	125.3	135.3	146.9	162.4	177.9	193.3	263.5	288.5	317.4	351.0	500
									78.0	82.9	88.5	94.8	101.7	108.7	129.9	140.0	151.6	167.0	182.5	198.0	269.3	294.3	323.1	356.8	560
										87.8	93.4	99.6	106.6	113.6	135.3	145.4	157.0	172.4	187.9	203.4	276.0	301.0	329.9	363.5	630
											98.9	105.2	112.2	119.1	141.5	151.6	163.2	178.6	194.1	209.6	283.7	308.7	337.6	371.2	710
											111.5	118.4	125.4	148.5	158.5	170.1	185.6	201.1	216.5	292.4	317.4	346.2	379.9	380.0	800
												125.4	132.4	156.2	166.3	177.9	193.3	208.8	224.3	302.0	327.0	355.8	389.5	390.0	900
													139.4	163.9	174.0	185.6	201.1	216.5	232.0	311.6	336.6	365.4	399.1	1000	
														173.2	183.3	194.9	210.3	225.8	241.3	323.1	348.1	377.0	410.6	4120	
														183.3	193.3	204.9	220.4	235.9	251.3	335.6	360.6	389.5	423.1	1250	
														194.9	204.9	216.5	232.0	247.5	262.9	350.1	375.1	403.9	437.6	1400	
														210.3	220.4	232.0	247.5	262.9	278.4	369.3	394.3	423.1	456.8	1600	
														225.8	235.9	247.5	262.9	278.4	293.8	388.5	413.5	442.4	476.0	1800	
														241.3	251.3	262.9	278.4	293.8	309.3	407.8	432.8	461.6	495.3	2000	</td