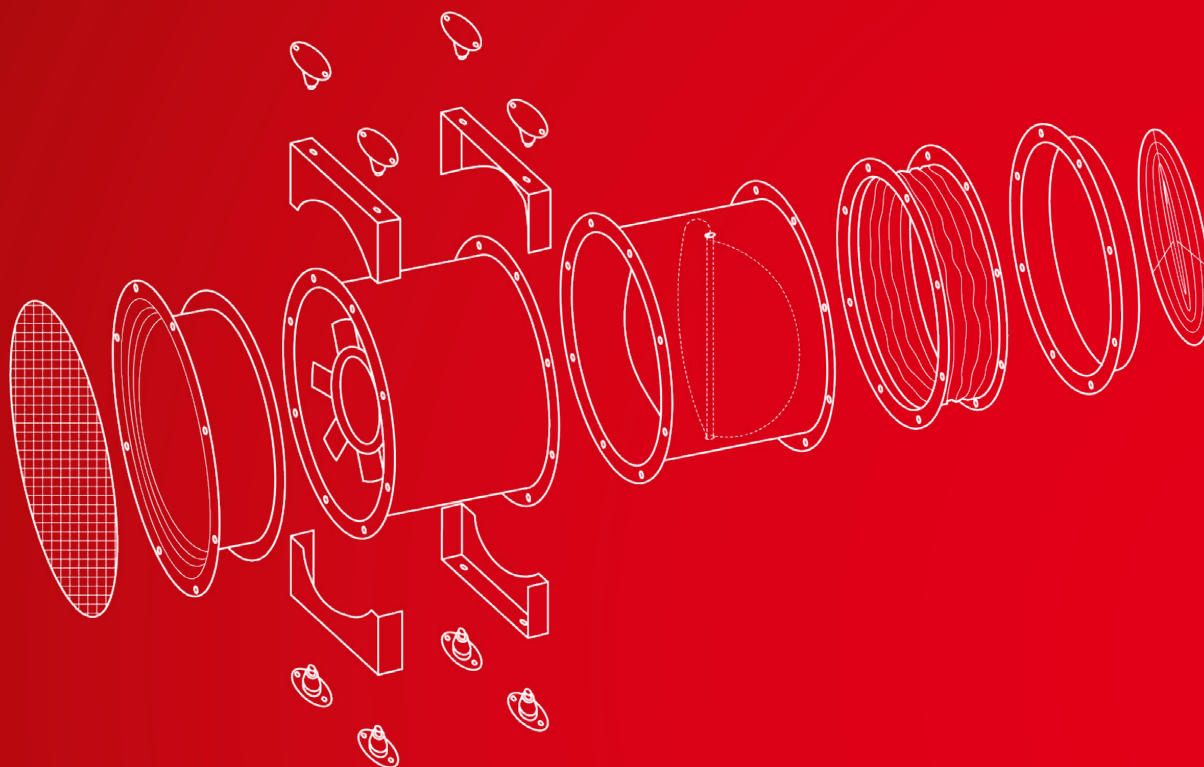


Smooth installation guaranteed – like clockwork.



■ Installation accessories circular duct fans

Whatever the installation and duct connection requirements: Helios' wide range includes the right system components. From the intake nozzle to the electric duct shutter and vibration dampers.

277^{ff}

■ Silencers, air filters, heating elements

Helios air treatment components provide for clean, warm and calm air. The extensive range includes all sizes and capacities, perfectly tailored to Helios fans. This provides the necessary flexibility for planning and installation.

481^{ff}

■ Shutters, ventilation grilles

Weather-proof and corrosion-free. Made of break-resistant, UV-resistant plastic with a long service life. Helios shutters and weather protection grilles stand out due to their appealing design, robustness and ease of installation.

561^{ff}

■ Speed controllers, frequency inverters, controllers, switches

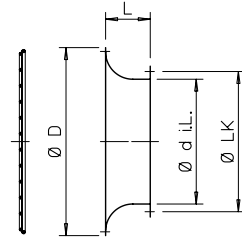
In addition to the specific installation accessories for round duct fans, Helios offers a wide range of control and switching devices which are perfectly tailored to round duct fans.

599^{ff}

ASD-SGD



Dim. in mm



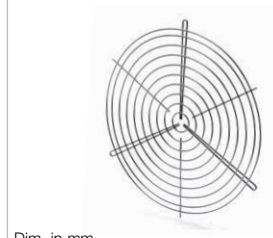
■ **Intake nozzle with protection grille** and large entry radius. Made sheet. With flange on connection side in accordance with DIN 24155, p. 2. Powder-coated protection

grille for inlet side coverage (galvanised from Ø 800) in accordance with DIN EN ISO 13857.

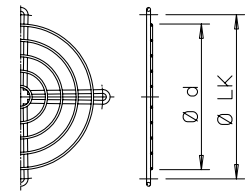
Type	Ref. no.	Ø D	L	Ø d i.L.	Ø LK	Weight aprx. kg
ASD 200*	01388	310	140	203	235	0.9
ASD-SGD 225	01413	345	140	225	259	2.5
ASD-SGD 250	01414	370	140	250	286	2.8
ASD-SGD 280	01415	400	140	280	322	3.2
ASD-SGD 315	01416	435	140	315	356	3.5
ASD-SGD 355	01417	475	140	355	395	4.0
ASD-SGD 400	01418	545	140	400	438	4.5
ASD-SGD 450	01419	595	140	450	487	5.7
ASD-SGD 500	01420	625	140	500	541	6.3
ASD-SGD 560	01421	745	130	560	605	7.0
ASD-SGD 630	01422	815	130	630	674	7.6
ASD-SGD 710	01423	955	200	710	751	19.5
ASD-SGD 800	01424	1060	200	800	837	22.3
ASD-SGD 900	01309	1140	200	900	934	25.0
ASD-SGD 1000	01310	1240	200	1000	1043	28.5

* without protection grille.

SG



Dim. in mm



■ **Protection grille** for outlet side coverage. Powder-coated, colour: silver metallic (galvanised from Ø 800).

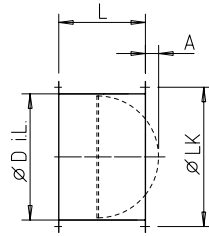
Dimensions and mounting clips tailored to fan/flange pipe nominal size in accordance with DIN 24155, p. 2. DIN EN ISO 13857.

Type	Ref. no.	Ø D	Ø LK	Weight aprx. kg	Number of attachment points
SG 200	01216	190	235	0.1	3
SG 225	01215	224	259	0.2	3
SG 250	01236	241	286	0.2	3
SG 280	01428	270	322	0.3	4
SG 315	01237	310	356	0.4	4
SG 355	01238	350	395	0.4	4
SG 400	01239	390	438	0.5	3
SG 450	01240	450	487	0.6	3
SG 500	01241	490	541	0.7	3
SG 560	01242	550	605	0.9	4
SG 630	01243	630	674	1.5	4
SG 710	01244	710	751	1.8	4
SG 800	01245	790	837	2.2	4
SG 900	01246	890	934	2.7	4
SG 1000	01290	990	1043	3.5	4

RVS



Dim. in mm



■ **Automatic duct shutter with spring return¹⁾**
Can be installed horizontally in any direction, vertically with through-flow from bottom to top. Shutter opening in flow direction; automatic function through fan operation. Spring mechanism outside of air

flow. Locking force depends on fan power and installation position can be changed. Shutter and casing made of galvanised steel sheet, shutter made of aluminium for nominal size 225 – 560 mm. Double-sided flange. Holes pursuant to DIN 24155, p. 2.

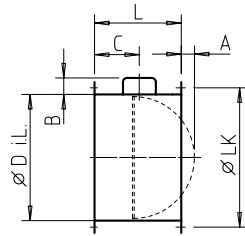
Type ²⁾	Ref. no.	Ø D i.L.	L	A	Ø LK	Weight aprx. kg
RVS 225	02591	225	300	—	259	3.0
RVS 250	02592	250	300	—	286	3.4
RVS 280	02593	280	300	—	322	3.9
RVS 315	02594	315	300	—	356	4.3
RVS 355	02595	355	300	—	395	5.0
RVS 400	02596	400	330	—	438	7.2
RVS 450	02597	454	330	15	487	10.4
RVS 500	02598	504	330	40	541	11.7
RVS 560	02599	560	330	65	605	16.1
RVS 630	02600	630	400	115	674	19.5
RVS 710	02601	710	400	155	751	26.5
RVS 800	02602	800	420	200	837	37.3
RVS 900	02603	900	420	250	934	41.8
RVS 1000	02604	1000	420	300	1043	47.3

¹⁾ Pressure loss diagram see page 564. ²⁾ Ambient temperature –30 to +100 °C.

RVM



Dim. in mm



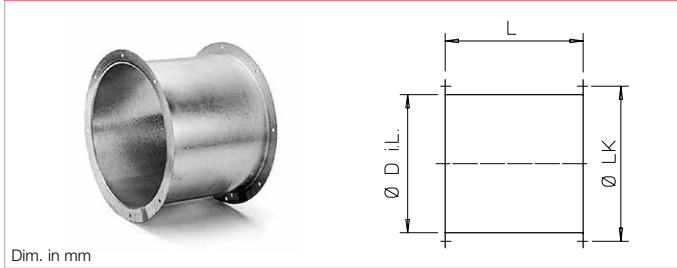
■ **Motorised duct shutter¹⁾**
like RVS, but can be installed horizontally and vertically in any direction and with a mounted spring return motor (outside of air flow). Elec. control parallel with fan; cable length 0.9 m, normally closed.

Ambient temperature –30 to +60 °C
Protection category IP54
Voltage/Frequency 230 V AC, 50/60 Hz
Power consumption – up to Ø 560 / from Ø 630 14 W/6.5 W
Shutter opening time, approx. 75 sec.
Wiring diagram no. 380.1

Type ³⁾	Ref. no.	Ø D i.L.	B	C	L	A	Ø LK	Weight aprx. kg
RVM 225	02575	225	95	130	300	—	259	3.3
RVM 250	02576	250	95	130	300	—	286	3.7
RVM 280	02577	280	95	130	300	—	322	4.2
RVM 315	02578	315	95	130	300	—	356	4.6
RVM 355	02579	355	95	130	300	—	395	5.3
RVM 400	02580	400	95	130	330	—	438	7.5
RVM 450	02581	454	95	130	330	15	487	10.7
RVM 500	02582	504	95	130	330	40	541	12.0
RVM 560	02583	560	95	130	330	65	605	16.4
RVM 630	02609	630	150	225	400	115	674	21.0
RVM 710	02610	710	150	225	400	155	751	28.0
RVM 800	02614	800	150	225	420	200	837	37.8
RVM 900	02615	900	150	225	420	250	934	42.3
RVM 1000*	02616	1000	150	225	420	300	1043	47.8

³⁾ Types RVM not for use in potentially explosive areas. * RVM 1000 only for horizontal throughflow.

VR



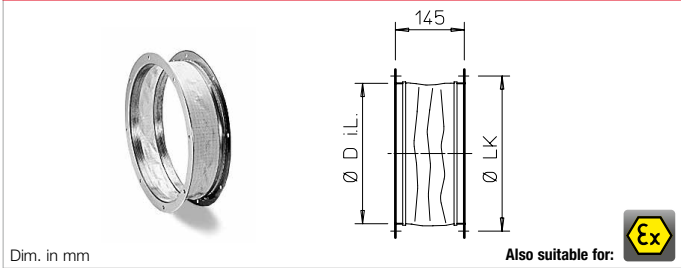
■ Extension duct

Pipe section with double-sided flanges and holes according to DIN 24155, p. 2. Made of hot-dip galvanised steel sheet for the

extension of the fan shaft. For types with protruding motor, for installation in pipeline. Prevents power losses in case of free outlet.

Type	Ref. no.	Ø D i.L.	L	Ø LK	Weight aprx. kg
VR 225	01401	225	300	259	2.5
VR 250	01402	250	300	286	2.8
VR 280	01403	280	300	322	3.2
VR 315	01404	315	300	356	3.5
VR 355	01405	355	300	395	4.0
VR 400	01406	400	330	438	6.0
VR 450	01407	454	330	487	9.0
VR 500	01408	504	330	541	10.0
VR 560	01409	560	500	605	14.0
VR 630	01410	630	500	674	15.5
VR 710	01411	710	500	751	21.5
VR 800	01412	800	420	837	31.0
VR 900	01311	900	420	934	34.0
VR 1000	01312	1000	420	1043	37.6

STS



■ Flanged flexible connector

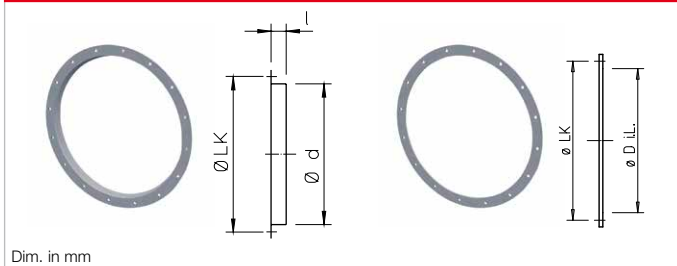
Flexible connector for installation between the fan and duct system. Prevents structure-borne noise transmission, bridges installation

tolerances. Elastic sleeve made of silicone-free PVC fabric (max. + 80 °C). With galvanised angle flange rings on both sides, dimensions according to DIN 24155 p. 2.

Type	Ref. no.	 Ex Type*	Ref. no.	Ø D i.L.	Ø LK	Weight aprx. kg
STS 200	01219	—	—	205	235	1.3
STS 225	01218	STS 225 Ex	02500	229	259	1.1
STS 250	01220	STS 250 Ex	02501	252	286	1.3
STS 280	01231	STS 280 Ex	02502	288	322	1.5
STS 315	01221	STS 315 Ex	02503	322	356	1.8
STS 355	01222	STS 355 Ex	02504	361	395	2.3
STS 400	01223	STS 400 Ex	02505	404	438	2.5
STS 450	01224	STS 450 Ex	02506	453	487	3.8
STS 500	01225	STS 500 Ex	02507	507	541	3.4
STS 560	01226	STS 560 Ex	02508	570	605	4.5
STS 630	01228	STS 630 Ex	02509	638	674	4.6
STS 710	01229	STS 710 Ex	02510	711	751	7.0
STS 800	01233	STS 800 Ex	02511	801	837	7.5
STS 900	01234	STS 900 Ex	02512	898	934	7.5
STS 1000	01235	STS 1000 Ex	02513	1004	1043	15.0

* for explosion-proof fans.

FR / FF

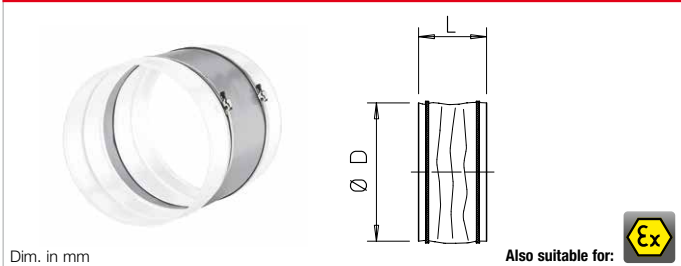


■ Counter flange FR/ Flat flange FF

Angle flange ring/flat flange ring made of galvanised steel sheet. Dimensions/holes according to DIN 24155 p. 2.

Type	Ref. no.	Type	Ref. no.	Ø LK	I	Ø D	Ø D i.L.	Weight aprx. kg
FR 200	01202	—	—	235	25	209	—	0.5
FR 225	01201	—	—	259	30	233	—	0.5
FR 250	01203	FF 250	04941	286	25	256	256	0.7
FR 280	01214	FF 280	04942	322	30	292	286	0.9
FR 315	01204	FF 315	04943	356	30	326	321	1.0
FR 355	01205	FF 355	04944	395	30	365	361	1.1
FR 400	01206	FF 400	04945	438	30	408	409	1.2
FR 450	01207	FF 450	04946	487	35	457	459	1.3
FR 500	01208	FF 500	04947	541	35	511	509	1.5
FR 560	01209	FF 560	04948	605	35	574	569	2.1
FR 630	01211	FF 630	04949	674	35	642	639	2.3
FR 710	01212	FF 710	04950	751	35	715	719	3.1
FR 800	01198	FF 800	04951	837	35	806	809	3.9
FR 900	01199	FF 900	04952	934	35	903	909	4.4
FR 1000	01210	FF 1000	04953	1043	35	1012	1009	9.5

FM



■ Flexible connecting sleeve

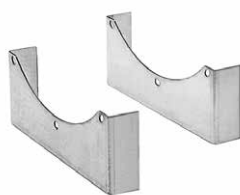
incl. 2 hose clamps. Installation between fan and duct system. Prevents structure-borne noise transmission, bridges installation

tolerances. Elastic sleeve made of silicone-free PVC fabric (max. temp. + 80 °C). UV- and weather resistant. Dimensions according to DIN 24155, p. 2.

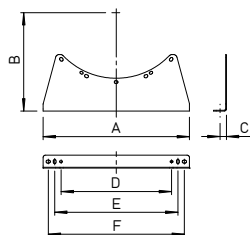
Type	Ref. no.	 Ex Type*	Ref. no.	Ø D	Ø L	Weight aprx. kg
FM 200	01670	FM 200 Ex	01686	213	145	0.2
FM 225	01671	FM 225 Ex	01687	235	145	0.2
FM 250	01672	FM 250 Ex	01688	260	145	0.2
FM 280	01673	FM 280 Ex	01689	296	145	0.2
FM 315	01674	FM 315 Ex	01690	330	145	0.2
FM 355	01675	FM 355 Ex	01691	369	145	0.3
FM 400	01676	FM 400 Ex	01692	412	145	0.3
FM 450	01677	FM 450 Ex	01693	461	145	0.3
FM 500	01678	FM 500 Ex	01694	515	145	0.4
FM 560	01679	FM 560 Ex	01695	577	145	0.4
FM 630	01680	FM 630 Ex	01696	646	145	0.4
FM 710	01666	—	—	720	145	0.5

* for explosion-proof fans.

MK



Dim. in mm



■ Mounting bracket

For attaching the fan flange casing to ceilings, walls or floors. Made of hot-dip galvanised steel. Hole matches the hole circle of the fan flange. Delivered as pair including screws and nuts.

■ Reference

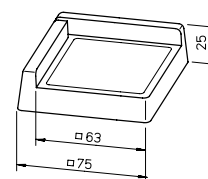
In case of heavy motors, an extension duct VR (accessories) should be provided to place the centre of gravity. Attach the brackets to both external flanges.

Type	Ref. no.	A	B	C	D	E	F	Weight aprx. kg
MK 200-225	01446	310	208/220	20	—	220	265	1.5
MK 250-280	01447	340	227/245	20	—	240	285	1.7
MK 315-355	01448	380	281/300	25	250	295	340	2.2
MK 400-450	01449	360	311/335	25	240	280	320	2.6
MK 500	00674	570	383	25	430	480	530	5.3
MK 560	00675	570	415	25	430	480	530	5.3
MK 630	01333	600	465	30	460	510	560	8.5
MK 710	01372	670	515	35	515	565	620	10.5
MK 800	01373	680	565	35	500	550	—	15.5
MK 900	01374	760	625	35	580	630	—	18.0
MK 1000	01375	840	690	35	710	—	—	19.5

SDD-U



Dim. in mm



■ Vibration damper mounts

The elastic rubber elements SDD-U are suitable as mounts for the free-standing indoor installation of ventilation units on flat, horizontal surfaces. They prevent the direct transmission of vibrations and structure-borne noise to other

parts of buildings.

A set consists of four elements which are placed under the corners of the ventilation unit. Maximum pressure load: 40 kg/element = total 160 kg.

SDD-U Ref. no. 05627

SDD

SDD 1 – 3

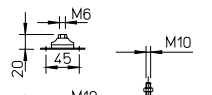


SDD 1F, 4 – 10

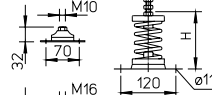


Dim. in mm

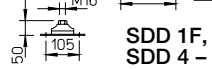
SDD 1



SDD 2



SDD 3



SDD 1F, SDD 4 – 10

■ Vibration dampers for compression load

For vibration and noise-insulating installation of fans on horizontal surfaces. Easy installation in combination with MK (accessories). Selection according to fan weight, see table.

Rubber bonded metal elements must be used for small and medium weight loads and temperatures up to max. +60 °C, and spring-type vibration dampers must be used for high loads and temperatures above +60 °C (e.g. smoke extraction).

Type	Ref. no.	Max. fan weight kg	H Height in mm	Spring-type vibration damper	Delivery unit 1 set = 4 pcs
SDD 1	01452	80	*	•	
SDD 1 F	01942	80	112 – 87	•	
SDD 2	01453	180	*	•	
SDD 3	01367	750	*	•	
SDD 4	01944	130	112 – 87	•	
SDD 5	01924	210	112 – 86	•	
SDD 6	01926	350	112 – 85	•	
SDD 7	01928	520	112 – 85	•	
SDD 8	01930	900	112 – 82	•	
SDD 9	01934	1300	112 – 85	•	
SDD 10	01951	1800	112 – 88	•	

* specified in dimensional drawing.

SDZ

SDZ 1 – 2



SDZ 3

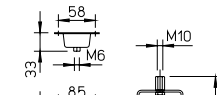
(no Fig., with square four-point attachment)

SDZ 1F, 4 – 9

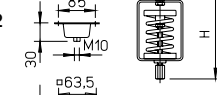


Dim. in mm

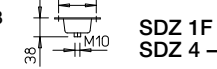
SDZ 1



SDZ 2



SDZ 3



SDZ 1F SDZ 4 – 9

■ Vibration dampers for tensile load

For vibration and noise-insulating fan suspension (ceiling mounting). Design, description and delivery according to SDD series.

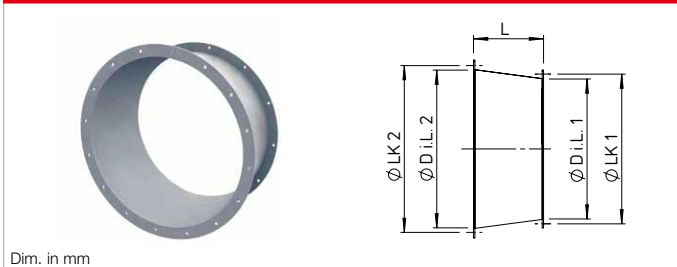
■ Important installation note for vibration dampers:

A uniform load distribution (balance centre of gravity in case of heavy motor) must be ensured during installation.

Type	Ref. no.	Max. fan weight kg	H Height in mm	Spring-type vibration damper	Delivery unit 1 set = 4 pcs
SDZ 1	01454	60	*	•	
SDZ 1 F	01943	80	190 – 215	•	
SDZ 2	01455	160	*	•	
SDZ 3	01366	300	*	•	
SDZ 4	01945	130	190 – 215	•	
SDZ 5	01925	210	190 – 216	•	
SDZ 6	01927	350	190 – 217	•	
SDZ 7	01929	520	190 – 217	•	
SDZ 8	01931	900	190 – 220	•	
SDZ 9	01935	1300	190 – 217	•	

* specified in dimensional drawing.

DIF



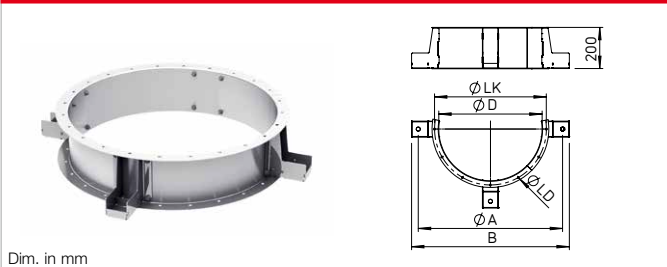
■ Diffusor DIF

Aerodynamically optimised diffusor for high pressure recovery. Delays air flow due to size step to convert dynamic pressure to static pressure. Additional application as an adapter for an optimised transition to the next size. Specially developed for application directly behind a fan and at the end of a pipeline as an outdoor outlet with reduced

outlet losses. In case of a free outlet at the diffusor, the protection grille (type SG) can be used in the next larger dimension. High-quality design made of hot-dip galvanised steel sheet with double-sided welded flange, hole pattern according to DIN 24155.

Type	Ref. no.	Size step	L	Ø D i.L. 1	Ø LK 1	Ø D i.L. 2	Ø LK 2	Weight aprx. kg
DIF 250	40230	250 to 400	200	250	286	400	438	5.5
DIF 280	03551	280 to 315	140	280	322	315	356	4.1
DIF 315	03552	315 to 355	160	315	356	355	395	4.9
DIF 355	03553	355 to 400	180	355	395	400	438	5.9
DIF 400	03554	400 to 450	200	400	438	450	487	7.0
DIF 450	03555	450 to 500	225	450	487	500	541	8.4
DIF 500	03556	500 to 560	250	500	541	560	605	11.5
DIF 560	03565	560 to 630	280	560	605	630	674	15.4
DIF 630	03566	630 to 710	315	630	674	710	751	19.0
DIF 710	03567	710 to 800	355	710	751	800	837	24.1
DIF 800	03568	800 to 900	400	800	837	900	934	37.8
DIF 900	03569	900 to 1000	450	900	934	1000	1043	45.7
DIF 1000	03570	1000 to 1120	500	1000	1043	1120	1174	54.9
DIF 1120	03571	1120 to 1250	560	1120	1174	1250	1311	66.5
DIF 1250	03572	1250 to 1400	630	1250	1311	1400	1465	81.3

MRV



■ Mounting ring MRV

The mounting ring MRV is intended for the vertical attachment of fans (e.g. Helios types AVD, AMD, VAR etc.). Four mounting brackets for direct attachment or mounting vibration dampers (SDZ or SDD) ensure the secure vertical installation of fans. Made of hot-dip galvanised steel sheet.

Type	Ref. no.	Ø A	B	Ø D	Ø LK	Ø LD	Weight aprx. kg	Load capacity kg
MRV 315	01755	510	576	315	356	9.5 (8x)	6.5	280
MRV 355	01759	550	618	355	395	9.5 (8x)	6.9	280
MRV 400	01760	595	662	400	438	9.5 (12x)	7.4	280
MRV 450	01761	650	714	450	487	9.5 (12x)	7.9	280
MRV 500	01740	700	765	500	541	9.5 (12x)	8.3	280
MRV 560	01741	770	827	560	605	11.5 (16x)	12.9	390
MRV 630	01742	840	898	630	674	11.5 (16x)	13.9	390
MRV 710	01743	920	980	710	751	11.5 (16x)	15.7	390
MRV 800	01744	1030	1101	800	837	11.5 (24x)	24.8	1050
MRV 900	01745	1130	1201	900	934	11.5 (24x)	27.0	1050
MRV 1000	01749	1230	1301	1000	1043	11.5 (24x)	29.1	1050