

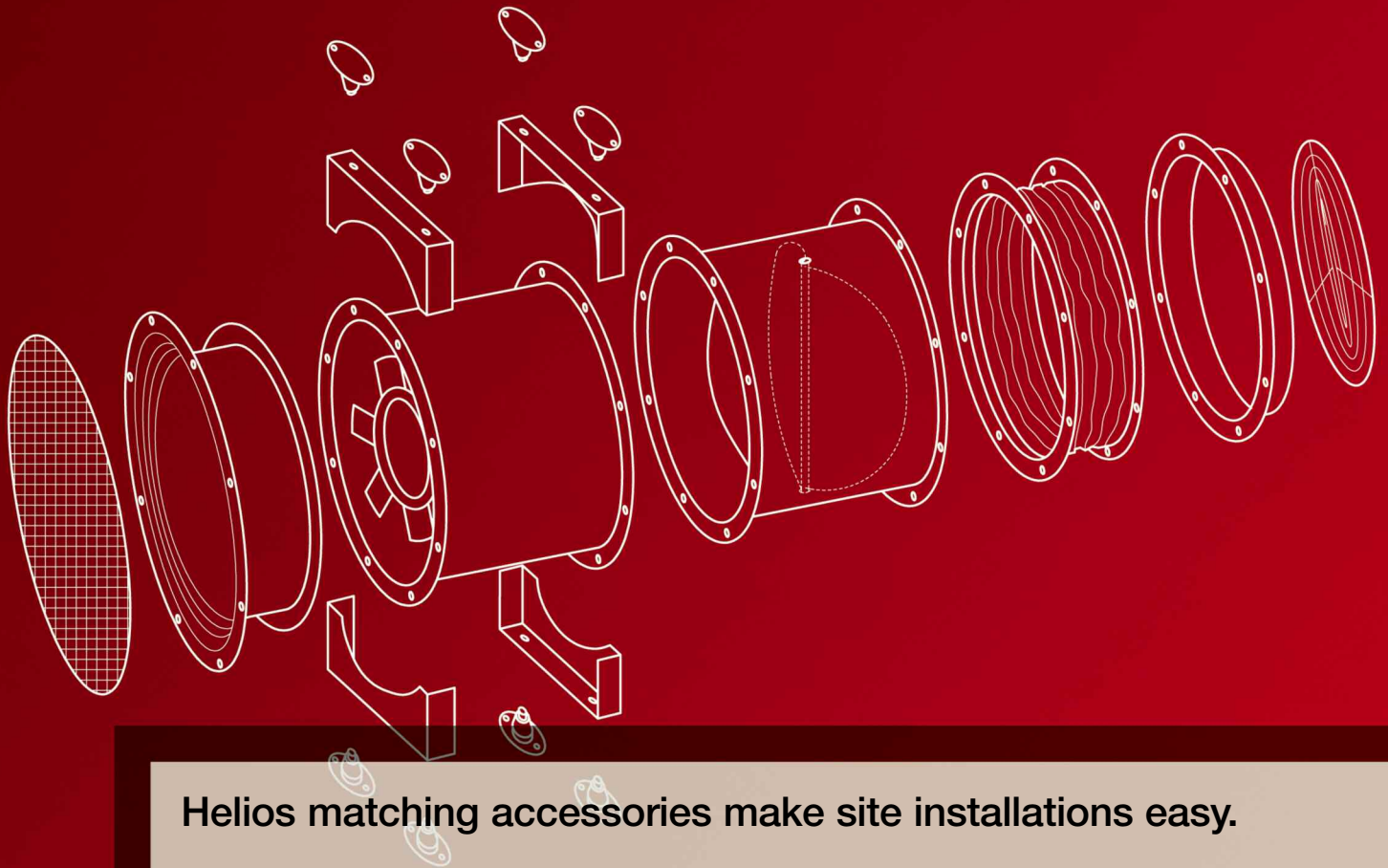
Helios supply a range of matching ancillaries, for all in-line fans, to suit your installation. From bell mouth inlets, electric backdraught shutters, anti vibration mounts and many more.

Simple installation with matched Helios accessories that reduce on site time and costs.

Our comprehensive range of accessories ensure that all installation needs are catered for.

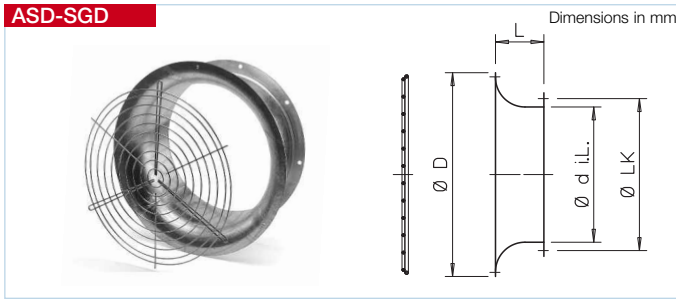
In addition to the mounting accessories for in-line fans there are further system components on the following pages.

- Attenuators, filters and heater batteries 305 on
- Shutters and grilles 361 on
- Speed controllers and switches 397 on



Helios matching accessories make site installations easy.

ASD-SGD



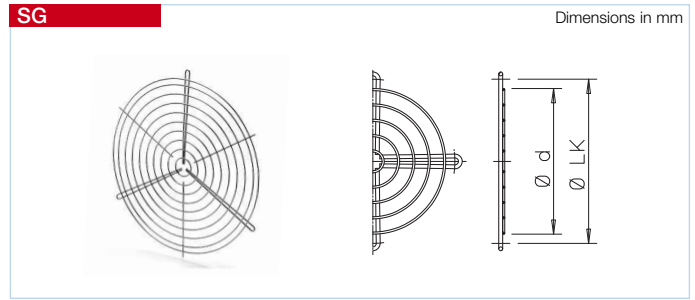
Bell mouth + guard in optimum shape, with large inlet radius made from hot dipped galvanised steel. Dimensions and holes to match

fans and accessories to DIN 24155-2. Powder coated wire guard (zinc plated from Ø 800) giving protection to DIN EN ISO 13857.

Type	Ref. No.	Ø D	L	Ø d i.L.	Ø LK	Weight in kg
ASD 200*	1388	310	140	203	235	0.9
ASD-SGD 225	1413	345	140	225	259	2.5
ASD-SGD 250	1414	370	140	250	286	2.8
ASD-SGD 280	1415	400	140	280	322	3.2
ASD-SGD 315	1416	435	140	315	356	3.5
ASD-SGD 355	1417	475	140	355	395	4.0
ASD-SGD 400	1418	545	140	400	438	4.5
ASD-SGD 450	1419	595	140	450	487	5.7
ASD-SGD 500	1420	625	140	500	541	6.3
ASD-SGD 560	1421	745	130	560	605	7.0
ASD-SGD 630	1422	815	130	630	674	7.6
ASD-SGD 710	1423	955	200	710	751	19.5
ASD-SGD 800	1424	1060	200	800	837	22.3
ASD-SGD 900	1309	1140	200	900	934	25.0
ASD-SGD 1000	1310	1240	200	1000	1043	28.5

* without guard

SG

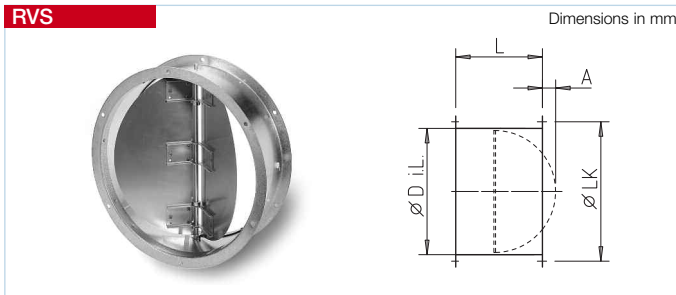


Guard to cover impeller opening. Powder coated in silvermetallic (zinc plated from Ø 800). Dimensions and accessories to

DIN 24155-2. Giving protection to DIN EN ISO 13857.

Type	Ref. No.	Ø d	Ø LK	Weight in kg	Number of fixing points
SG 200	1216	190	235	0.1	3
SG 225	1215	224	259	0.2	3
SG 250	1236	241	286	0.2	3
SG 280	1428	270	322	0.3	4
SG 315	1237	310	356	0.4	4
SG 355	1238	350	395	0.4	4
SG 400	1239	390	438	0.5	3
SG 450	1240	450	487	0.6	3
SG 500	1241	490	541	0.7	3
SG 560	1242	550	605	0.9	4
SG 630	1243	630	674	1.5	4
SG 710	1244	710	751	1.8	4
SG 800	1245	790	837	2,2	4
SG 900	1246	890	934	2.7	4
SG 1000	1290	990	1043	3.5	4

RVS



Automatic backdraught shutter with spring closing¹⁾

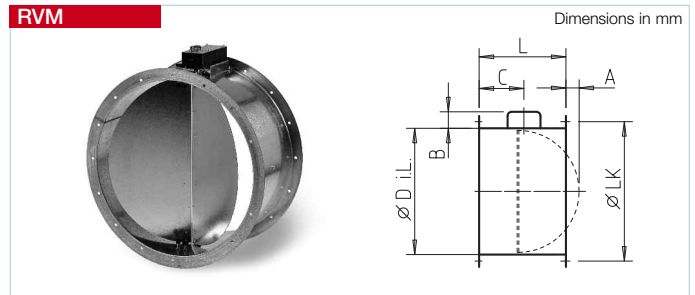
Horizontal installation for air flow in any direction. Vertical for with air flow direction going upwards. Automatic opening on fan operation. Spring mechanism for closing. Closing force adjustable to suit fan

power and installation position. Spring mechanism outside the air flow. Shutters and casing manufactured from galvanised steel. ND 225-560 shutters made from aluminium. Flanges on both sides, drillings to DIN 24155, Pt. 2.

Type ²⁾	Ref. No.	Ø D i.L.	L	A	Ø LK	Weight in kg
RVS 225	2591	225	300	-	259	3.0
RVS 250	2592	250	300	-	286	3.4
RVS 280	2593	280	300	-	322	3.9
RVS 315	2594	315	300	-	356	4.3
RVS 355	2595	355	300	-	395	5.0
RVS 400	2596	400	330	-	438	7.2
RVS 450	2597	454	330	15	487	10.4
RVS 500	2598	504	330	40	541	11.7
RVS 560	2599	560	330	65	605	16.1
RVS 630	2600	630	400	115	674	19.5
RVS 710	2601	710	400	155	751	26.5
RVS 800	2602	800	420	200	837	37.3
RVS 900	2603	900	420	250	934	41.8
RVS 1000	2604	1000	420	300	1043	47.3

¹⁾ For pressure loss see chart on page 364 ²⁾ Surrounding temperature -30 to +100 °C

RVM



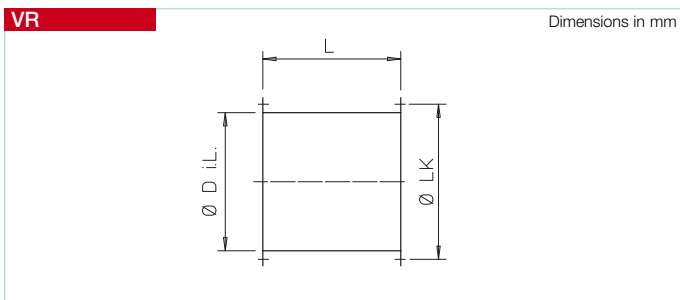
Motorised backdraught shutter¹⁾

As RVS, but with spring reversing motor (outside the air flow). Installation in any position vertically and horizontally. Recommended electrical connection in parallel to fan. Connection with 0.9 m long lead.

Ambient temperature -30 to +60 °C
Protection class IP 54
Voltage/Frequency 230 V AC, 50/60 Hz
Power
- from Ø 560/from Ø 630 14 W/8.5 W
Opening time approx.
- up to Ø 560/from Ø 630 75 Sec./150 Sec.
Wiring diagram No. SS-380.1

Type ³⁾	Ref. No.	Ø D i.L.	B	C	L	A	Ø LK	Weight in kg
RVM 225	2575	225	95	130	300	-	259	3.3
RVM 250	2576	250	95	130	300	-	286	3.7
RVM 280	2577	280	95	130	300	-	322	4.2
RVM 315	2578	315	95	130	300	-	356	4.6
RVM 355	2579	355	95	130	300	-	395	5.3
RVM 400	2580	400	95	130	330	-	438	7.5
RVM 450	2581	454	95	130	330	15	487	10.7
RVM 500	2582	504	95	130	330	40	541	12.0
RVM 560	2583	560	95	130	330	65	605	16.4
RVM 630	2609	630	150	225	400	115	674	21.0
RVM 710	2610	710	150	225	400	155	751	28.0
RVM 800	2614	800	150	225	420	200	837	37.8
RVM 900	2615	900	150	225	420	250	934	42.3
RVM 1000*	2616	1000	150	225	420	300	1043	47.8

³⁾ RVM.. not for use in explosion proof areas. * RVM 1000 only for horizontal air stream

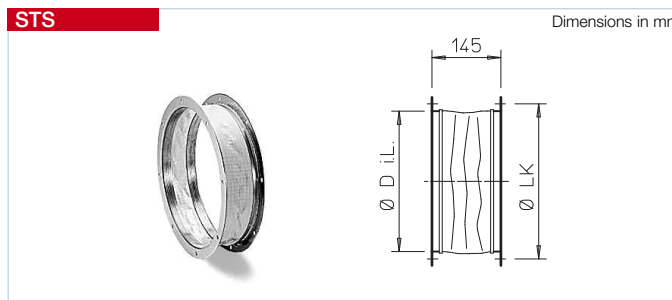


Extension duct

Ducting with flanges on both sides and holes to DIN 24155, Pt. 2. Manufactured from galvanised steel, to elongate the fan casing.

For models where the motor protrudes from the casing when installed into ducting. Avoids drops in performance at free extract.

Type	Ref. No.	Ø D i.L.	L	Ø LK	Weight in kg
VR 225	1401	225	300	259	2.5
VR 250	1402	250	300	286	2.8
VR 280	1403	280	300	322	3.2
VR 315	1404	315	300	356	3.5
VR 355	1405	355	300	395	4.0
VR 400	1406	400	330	438	6.0
VR 450	1407	454	330	487	9.0
VR 500	1408	504	330	541	10.0
VR 560	1409	560	500	605	14.0
VR 630	1410	630	500	674	15.5
VR 710	1411	710	500	751	21.5
VR 800	1412	800	420	837	31.0
VR 900	1311	900	420	934	34.0
VR 1000	1312	1000	420	1043	37.6



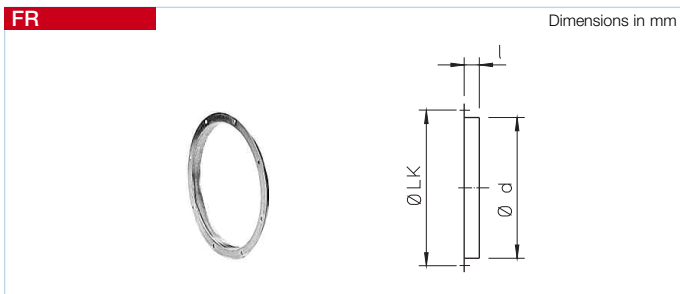
Flanged flexible connector

Flexible connector to be fitted between fan and ducting to reduce vibration transmission and to correct small site misalignments.

Flexible sleeve consists of a silicon free polymer fabric cloth and has zinc plated metal flanges fitted at both ends (max. +80 °C). Dimensions to DIN 24155, Pt. 2.

Type	Ref. No.	Type*	Ref. No.	Ø D i.L.	Ø LK	Weight in kg
STS 200	1219	–	–	205	235	1.3
STS 225	1218	STS 225 Ex	2500	229	259	1.1
STS 250	1220	STS 250 Ex	2501	252	286	1.3
STS 280	1231	STS 280 Ex	2502	288	322	1.5
STS 315	1221	STS 315 Ex	2503	322	356	1.8
STS 355	1222	STS 355 Ex	2504	361	395	2.3
STS 400	1223	STS 400 Ex	2505	404	438	2.5
STS 450	1224	STS 450 Ex	2506	453	487	3.8
STS 500	1225	STS 500 Ex	2507	507	541	3.4
STS 560	1226	STS 560 Ex	2508	570	605	4.5
STS 630	1228	STS 630 Ex	2509	638	674	4.6
STS 710	1229	STS 710 Ex	2510	711	751	7.0
STS 800	1233	STS 800 Ex	2511	801	837	7.5
STS 900	1234	STS 900 Ex	2512	898	934	7.5
STS 1000	1235	STS 1000 Ex	2513	1004	1043	15.0

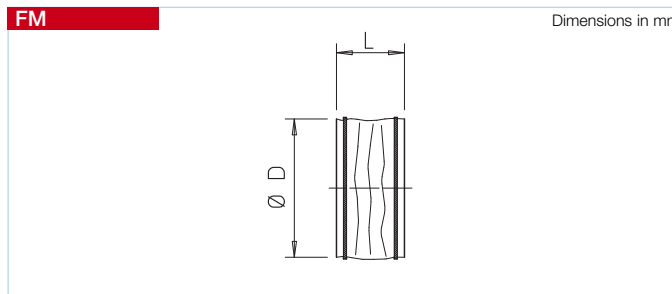
* for explosion proof fans



Flange

Made of galvanised steel. Dimensions and holes to match the fans and accessories to DIN 24155, Pt. 2.

Type	Ref. No.	Ø LK	l	Ø d	Weight in kg
FR 200	1202	235	25	209	0.5
FR 225	1201	259	30	233	0.5
FR 250	1203	286	25	256	0.6
FR 280	1214	322	30	292	0.8
FR 315	1204	356	30	326	0.9
FR 355	1205	395	30	365	1.2
FR 400	1206	438	30	408	1.2
FR 450	1207	487	35	457	1.8
FR 500	1208	541	35	511	1.8
FR 560	1209	605	35	574	2.0
FR 630	1211	674	35	642	2.2
FR 710	1212	751	35	715	3.3
FR 800	1198	837	35	806	3.2
FR 900	1199	934	35	903	3.7
FR 1000	1210	1043	35	1012	4.0



Flexible sleeve

Flexible connector incl. 2 worm drive clips to be fitted between fan and ducting to reduce vibration transmission and to correct small site

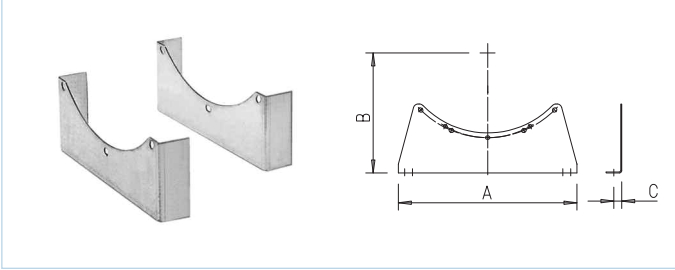
misalignments. Designed to fit nominal duct sizes and FR.. flanges. Flexible sleeve consists of a silicon free polymer fabric cloth (max. +80 °C). Dimensions to DIN 24155, Pt. 2.

Type	Ref. No.	Type*	Ref. No.	Ø D	L	Weight in kg
FM 200	1670	FM 200 Ex	1686	213	145	0.2
FM 225	1671	FM 225 Ex	1687	235	145	0.2
FM 250	1672	FM 250 Ex	1688	260	145	0.2
FM 280	1673	FM 280 Ex	1689	296	145	0.2
FM 315	1674	FM 315 Ex	1690	330	145	0.2
FM 355	1675	FM 355 Ex	1691	369	145	0.3
FM 400	1676	FM 400 Ex	1692	412	145	0.3
FM 450	1677	FM 450 Ex	1693	461	145	0.3
FM 500	1678	FM 500 Ex	1694	515	145	0.4
FM 560	1679	FM 560 Ex	1695	577	145	0.4
FM 630	1680	FM 630 Ex	1696	646	145	0.4
FM 710	1666	–	–	720	145	0.5

* for explosion proof fans

MK

Dimensions in mm



Mounting feet

To fix Axial/VAR cased fans on ceiling, wall or floor. Made from galvanised sheet steel or hot dipped galvanised steel. Fixing holes fit casing flanges. Set includes a pair of feet, nuts and bolts.

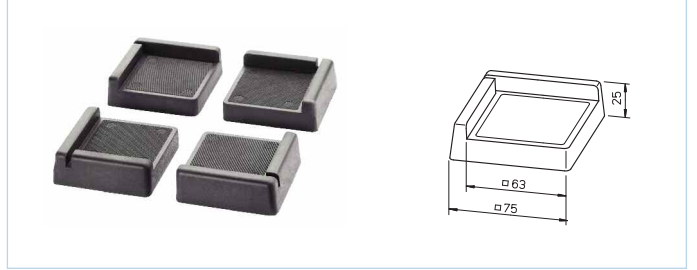
Note:

If motors of high weight are installed, an extension duct (VR...) is recommended to move the centre of gravity within the mounting feet. Mount feet on the outer flange.

Type	Ref. No.	A	B	C	Weight in kg
MK 200-225	1446	310	208/220	20	1.5
MK 250-280	1447	340	227/245	20	1.7
MK 315-355	1448	380	281/300	25	2.2
MK 400-450	1449	360	311/335	25	2.6
MK 500-560	1450	570	383/415	25	5.3
MK 630	1333	600	465	30	8.5
MK 710	1372	670	515	35	10.5
MK 800	1373	680	565	35	15.5
MK 900	1374	760	625	35	18.0
MK 1000	1375	840	690	35	19.5

SDD-U

Dimensions in mm



Anti vibration pads

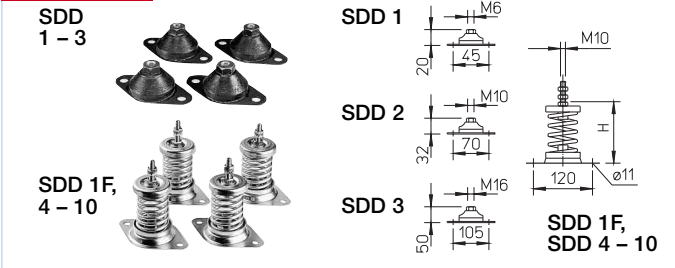
The rubber mounting pads SDD-U are suitable as a base for installation of fans on flat, horizontal surfaces. They reduce the direct noise and vibration transmission to the building structure.

One set consists of 4 elements, which are positioned individually under the corners of the fan unit. Maximum compression: 40 kg/pad = total 160 kg.

SDD-U Ref. No. 5627

SDD

Dimensions in mm



Anti vibration mounts for compression

To reduce noise and vibration transmission of fans installed on horizontal surfaces. Simple installation in combination with feet MK (accessory). Select size according to fan weight (see table).

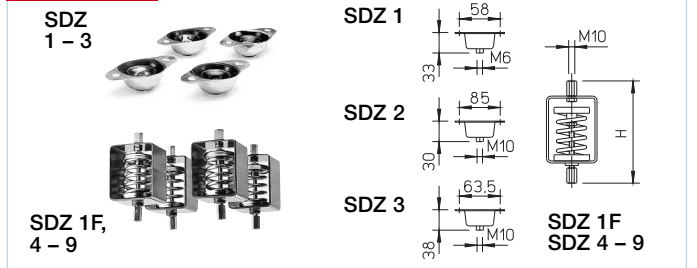
Rubber elements are suitable for small to middle weights and ambients up to +60 °C. Spring elements are suitable for higher temperatures above +60 °C (e.g. smoke extraction).

Type	Ref. No.	Maximum fan weight in kg	H Height in mm	Spring element	Contents 1 set = 4 pieces
SDD 1	1452	80	*		
SDD 1F	1942	70	112 – 82	●	
SDD 2	1453	180	*		
SDD 3	1367	750	*		
SDD 4	1944	130	112 – 86	●	
SDD 5	1924	210	112 – 86	●	
SDD 6	1926	400	112 – 80	●	
SDD 7	1928	580	112 – 82	●	
SDD 8	1930	900	112 – 82	●	
SDD 9	1934	1300	112 – 85	●	
SDD 10	1951	1800	112 – 88	●	

* shown in dimensional drawing

SDZ

Dimensions in mm



Anti vibration mounts for suspension

To reduce noise and vibration transmission of fans installed hanging from ceilings. Specification as model SDD.

Important note for installation! Make sure that fan system is well balanced (centre of gravity of heavy motor may cause uneven loading of mounts).

Type	Ref. No.	Maximum fan weight in kg	H Height in mm	Spring element	Contents 1 set = 4 pieces
SDZ 1	1454	60	*		
SDZ 1F	1943	70	190 – 220	●	
SDZ 2	1455	160	*		
SDZ 3	1366	300	*		
SDZ 4	1945	130	190 – 216	●	
SDZ 5	1925	210	190 – 216	●	
SDZ 6	1927	400	190 – 221	●	
SDZ 7	1929	580	190 – 220	●	
SDZ 8	1931	900	190 – 220	●	
SDZ 9	1935	1300	190 – 217	●	

* shown in dimensional drawing