

Chimney liner system <SWK>

Single-walled chimney liner system <SWK>, made of acid-resistant chrome-nickel steel sheet (type 1.4404 according to DIN 17441). It protects inner surfaces of ceramic chimneys (exhausting wet fumes from oil, gas, wood or pellet fired appliances), from destructive effects of acids.

Maximum working temperature: 450°C and 600°C.

Certificate of Factory Production Control 1450-CPR-0007 issued by INiG Cracow.

System of single walled chimney liners allows the adjustment of already existing chimney ducts to new specific working conditions.

Chimney liner system <SWK-X>

Round pipes and fittings products are used for building ducts in natural and mechanical ventilation systems, air heating as well as air conditioning installations. System made of acid-resistant chrome-nickel stainless steel, type 1.4031 acc. To DIN 17441. Maximum working temperature: 250°C.

Heat resistant chimney liner system <SWKZ>

Single-walled heat resistant chimney liner system <SWKZ>, made of heat-resistant chrome-nickel steel sheet (type 1.4828 according to DIN 17441). It protects inner surfaces of ceramic chimneys (extracting fumes from wood fired heating devices), from destructive functioning of acids. Maximum working temperature: 600°C.

Certificate of Factory Production Control 1450-CPR-0007 issued by INiG Cracow.

System of single walled heat resistant chimney liner allows the adjustment of already existing chimney ducts to new specific working conditions

Application of chimney liners and recommended sheet thicknesses

Diameter DN	W, S, D 1.4404	D 1.4828	W 1.4301
80	0.5	-	0.6
100	0.5	-	0.6
110	0.5	-	0.6
120	0.5	0.8	0.6
130	0.5	0.8	0.6
140	0.6	0.8	0.6
150	0.6	0.8	0.6
160	0.6	0.8	0.6
180	0.6	0.8	0.6
200	0.6	0.8	0.6
225	0.6	0.8	0.6
250	0.8	0.8	0.8
280	0.8	0.8	0.8
300	0.8	0.8	0.8
325	0.8	0.8	0.8
350	0.8	0.8	0.8
400	1.0	0.8	1.0
450	1.0	-	1.0
500	1.0	-	1.0

Table of layouts and sizes

Diameter DN	Lr	Dz	Dw	Dk	s
80	250	80.1	79.1	81.1	0.5
100	315	100.8	99.8	101.8	
110	350	111.9	110.9	112.9	
120	385	123.0	122.0	124.0	
130	415	132.6	131.6	133.6	
140	440	140.7	139.5	141.7	0.6
150	475	151.8	150.6	152.8	
160	505	161.4	160.2	162.4	
180	570	182.0	180.8	183.0	
200	630	201.1	199.9	202.1	
225	710	226.6	225.4	227.6	0.8
250	790	252.3	250.7	253.3	
260	818	261.2	259.6	262.2	
280	880	280.9	279.3	281.9	
300	945	301.6	300.0	302.6	
325	1020	325.5	323.9	327.0	1.0
350	1100	350.9	349.3	352.4	
400	1260	402.1	400.1	403.6	
450	1415	451.4	449.4	452.9	
500	1575	502.3	500.3	503.8	

Destination:

- W - ventilation ducts
- S - flue ducts (gas, oil)
- D - smoke ducts

Measuments:

- Lr - metal sheet layout [mm]±0.1
- Dz - outer diameter of pipe [mm]±0.1
- Dw - inner diameter of pipe [mm]±0.1
- Dk - inner diameter of bell joint [mm]±0.1
- s - metal sheet thickness [mm]

Bell joint of the pipe

Individual elements of the chimney system are being joint by the way of pushing one part of the element - a spigot, into the other press-formed part - a bell. Thanks to this type of pipe joining, chimney liner is characterized by very tight and stiff construction. It also assures the proper flow of condensate, along walls of the chimney straight to the condensate drain bowl.

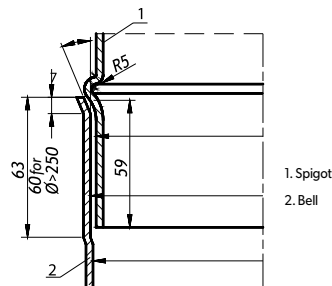
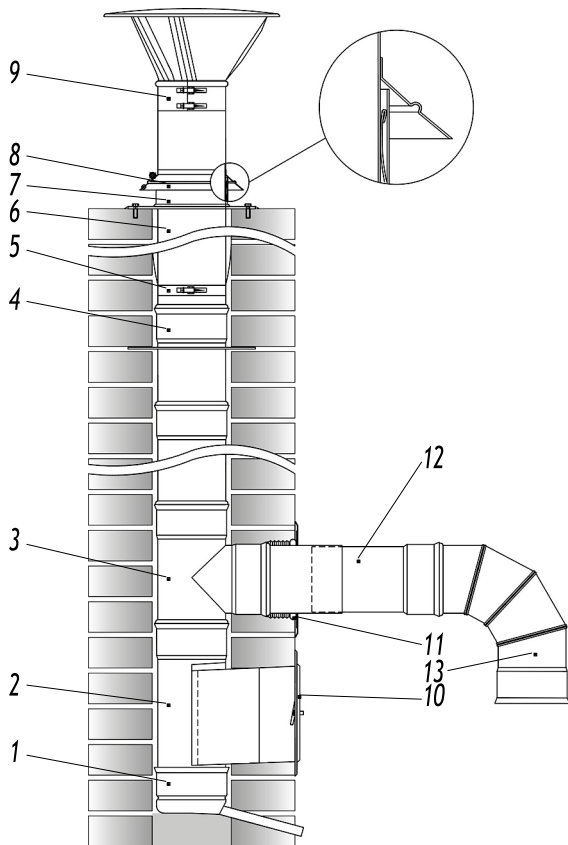


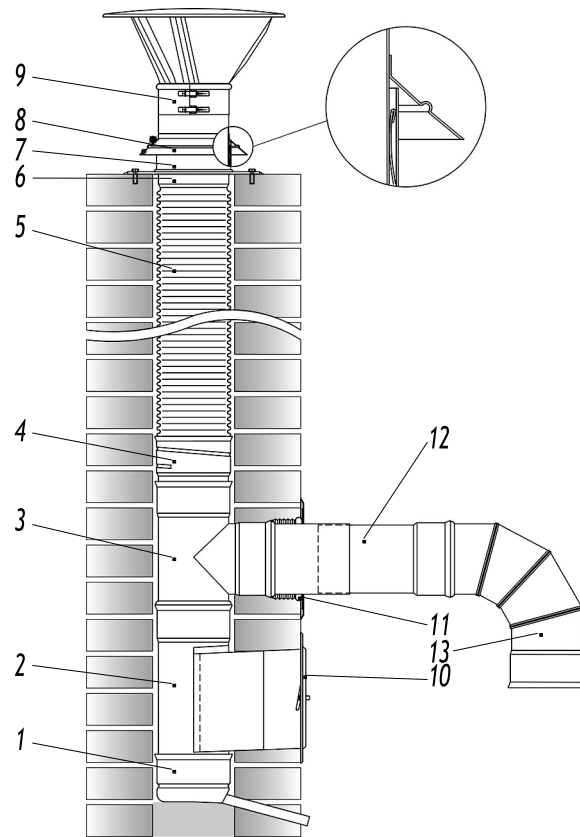
Fig. Method of joining single-walled pipe elements.

Model application of elements



No	Name	Destination
1	Condensate drain bowl	MS150-CH
2	Clean out element	WC150-CH6
3	Tee 90°	TR150/90-CH6
4	Intermediate support	PP150-CH6
5	Stabilizing brackets	OUI150-CH
6	Straight pipe 1 m	RP150/1000-CH6
7	Roof plate	PD150-X
8	Rain collar	KPD150-X
9	Cap	DK150-CH6
10	Doors	DW1-X
11	Rosette	ROZ150-CH
12	Telescopic pipe	RT150/2X250-CH6
13	Adjustable elbow 0-90°	KN150/90-CH6

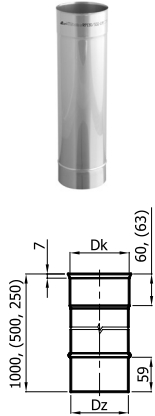
Fig. An example of a single walled chimney construction (rigid pipes).



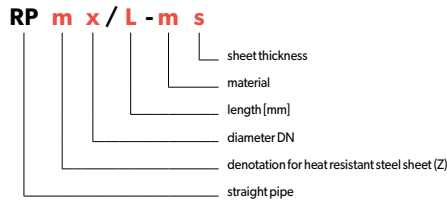
No	Name	Destination
1	Condensate drain bowl	MS150-CH
2	Clean out element	WC150-CH6
3	Tee 90°	TR150/90-CH6
4	Flexible pipe bell-type connector	ZST150-CH6-K
5	Stainless flexible pipe	RESF150-CH
6	Flexible pipe spigot-type connector	ZST150/150-CH6-N
7	Roof plate	PD150-X
8	Rain collar	KPD150-X
9	Cap	DK150-CH6
10	Doors	DW1-X
11	Rosette	ROZ150-CH
12	Telescopic pipe	RT150/2X250-CH6
13	Adjustable elbow 0-90°	KN150/90-CH6

Fig. An example of a single walled chimney construction (flexible pipes).

1. STRAIGHT PIPE RP

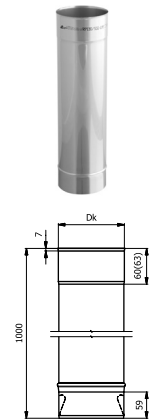


Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	1.20	1.50	1.70	1.85	2.00	2.10	2.30	2.40	2.75	3.00	3.40	3.80	4.55	5.30	6.05	6.80	7.55

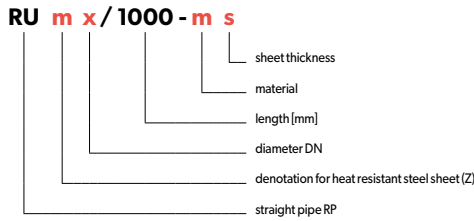


Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
1	1	1	1 - sheet thickness 1.0 mm	

2. STRAIGHT PIPE WITH MOUNTING HANDLES RU



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	1.20	1.50	1.70	1.85	2.00	2.10	2.30	2.40	2.75	3.00	3.40	3.80	4.55	5.30	6.05	6.80	7.55



Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
1	1	1	1 - sheet thickness 1.0 mm	

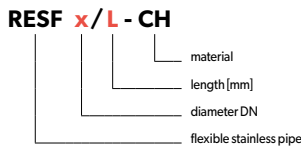
3. SINGLE WALLED FLEXIBLE STAINLESS PIPE DARCO FLEX RESF



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200
Dw	80	100	110	120	130	140	150	160	180	200
Dz	87	107	107	127	137	147	157	167	187	207
Weight* [kg]	0.70	0.90	1.00	1.10	1.20	1.25	1.35	1.45	1.65	1.80

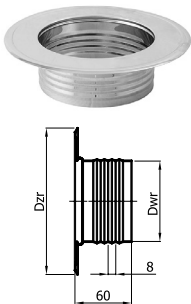
Maximum length: 15 [m]
 Minimal bending radius: 3D
 Maximum working temp: 450°C

*Weight of 1 m of flexible pipe

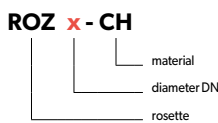


Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	CH	CH - stainless steel 1.4404
	Sheet thickness s	10 - sheet thickness 0.10 mm

4. ROSETTE ROZ

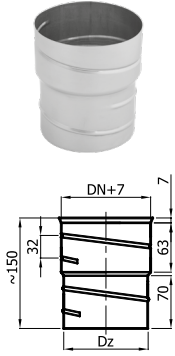


Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dwr [mm]	86	106	116	126	136	146	156	166	186	206	231	256	306	356	406	456	506
DZR [mm]	157	177	188	207	217	227	247	257	277	297	322	347	398	448	498	548	598
Weight [kg]	0.12	0.14	0.16	0.18	0.19	0.21	0.23	0.25	0.28	0.30	0.34	0.37	0.44	0.51	0.58	0.65	0.72

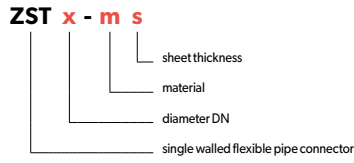


Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	D	D - smoke ducts
	CH	CH - chrome steel H17
Sheet thickness s	5	5 - sheet thickness 0.5 mm

5. SINGLE WALLED FLEXIBLE PIPE CONNECTOR ZST

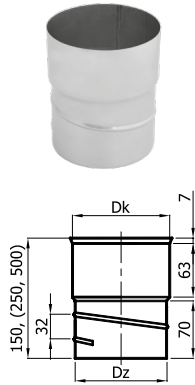


Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	for s=0.6
Dz	78	98	108	118	128	138	148	158	178	198	
Weight [kg]	0.18	0.22	0.25	0.27	0.29	0.31	0.34	0.36	0.40	0.44	

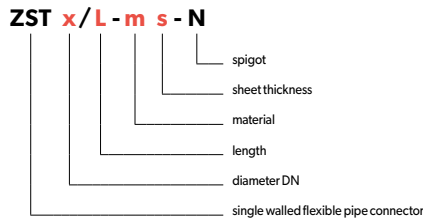


Destination	W	W	W - ventilation ducts
	S	-	-
Material	CH	-	CH - stainless steel 1.4404
	-	X	X - stainless steel 1.4301
Sheet thickness s	5	5	5 - sheet thickness 0.5 mm
	6	6	6 - sheet thickness 0.6 mm

6. SINGLE WALLED FLEXIBLE PIPE CONNECTOR ZST-N

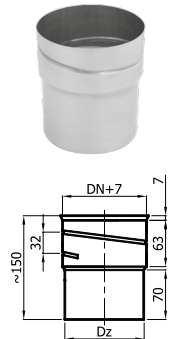


Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	for s=0.6
Dz	78	98	108	118	128	138	148	158	178	198	
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	
Weight [kg]	0.18	0.22	0.25	0.27	0.29	0.31	0.34	0.36	0.40	0.44	

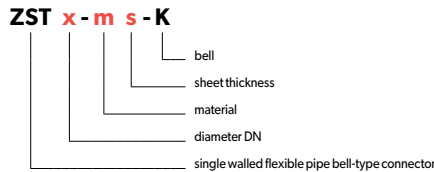


Destination	W	W	W - ventilation ducts
	S	-	-
Material	CH	-	CH - stainless steel 1.4404
	-	X	X - stainless steel 1.4301
Sheet thickness s	5	5	5 - sheet thickness 0.5 mm
	6	6	6 - sheet thickness 0.6 mm

7. SINGLE WALLED FLEXIBLE PIPE BELL-TYPE CONNECTOR ZST-K

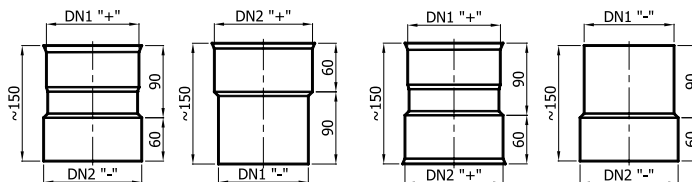


Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	for s=0.6
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	
Weight [kg]	0.18	0.22	0.25	0.27	0.29	0.31	0.34	0.36	0.40	0.44	



Destination	W	W	W - ventilation ducts
	S	-	-
Material	CH	-	CH - stainless steel 1.4404
	-	X	X - stainless steel 1.4301
Sheet thickness s	5	5	5 - sheet thickness 0.5 mm
	6	6	6 - sheet thickness 0.6 mm

8. REDUCER (BELL-TYPE) RD-R

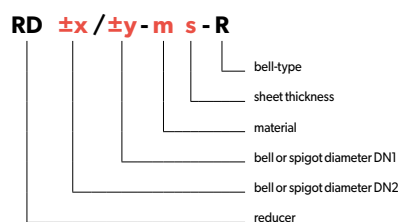


Diameter differences range:
DN2-DN1 ≤ 20 mm

ex. **RD-200/+180-CH6-R**

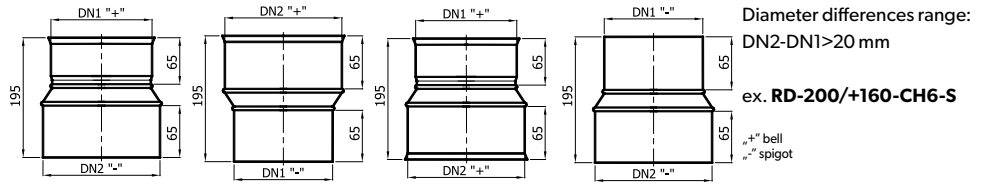
„+“ bell
„-“ spigot

Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500	for s=0.6
Weight [kg]	0.18	0.23	0.25	0.28	0.30	0.32	0.34	0.36	0.41	0.45	0.51	0.57	0.68	0.79	0.90	1.00	1.13	

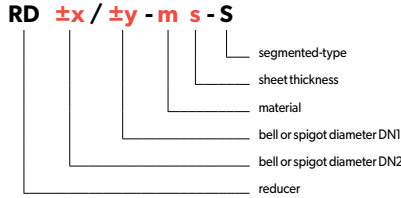


Destination	W	W	-	W - ventilation ducts
	S	-	-	-
-	-	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
-	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
1	1	1	1	1 - sheet thickness 1.0 mm

9. REDUCER (SEGMENTED-TYPE) RD-S



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Weight [kg]	depends on dimensions																



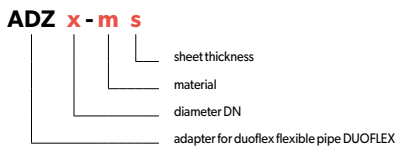
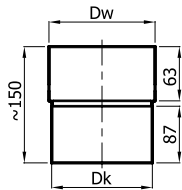
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

10. ADAPTER FOR DUOFLEX FLEXIBLE PIPE ADZ



Diameter DN	ø130	ø150	ø180	ø200
Dk	133.9	153.0	183.4	202.3
Dw	138	158	188	208
Weight [kg]	0.50	0.60	0.70	0.75

for s=1.0



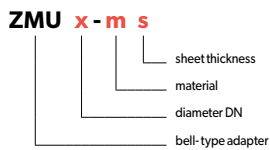
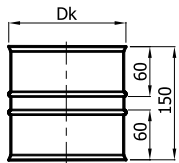
Destination	D	D - smoke ducts
Material	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8 - sheet thickness 0.8 mm
	1	1 - sheet thickness 1.0 mm

11. BELL-TYPE ADAPTER ZMU



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.18	0.23	0.25	0.28	0.30	0.32	0.34	0.36	0.41	0.45	0.51	0.57	0.68	0.79	0.90	1.00	1.13

for s=0.6



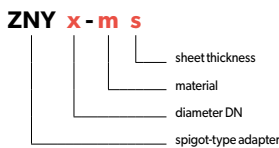
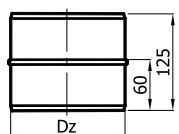
Destination	W	-	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
	-	D	D - smoke ducts
Material	CH	-	CH - stainless steel 1.4404
	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8	8 - sheet thickness 0.8 mm
	1	1	1 - sheet thickness 1.0 mm

12. SPIGOT-TYPE ADAPTER ZNY



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Weight [kg]	0.18	0.23	0.25	0.28	0.30	0.32	0.34	0.36	0.41	0.45	0.51	0.57	0.68	0.79	0.90	1.00	1.13

for s=0.6



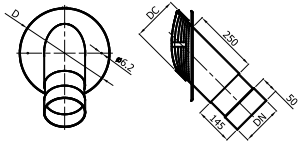
Destination	W	-	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
	-	D	D - smoke ducts
Material	CH	-	CH - stainless steel 1.4404
	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8	8 - sheet thickness 0.8 mm
	1	1	1 - sheet thickness 1.0 mm

13. ANGULAR WALL INSERT WITH ROPE FOR CERAMIC CHIMNEYS WKK-CS

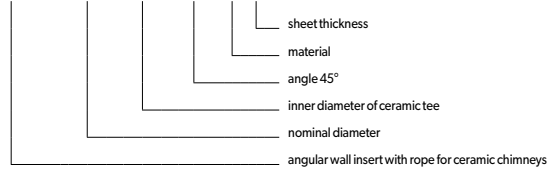


Diameter DN	120	130	140	150	160	180	200	225
DC	140	150	160	170	180	200	220	250
D	280	290	300	310	320	340	360	385
Weight [kg]	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.45

Angular wall insert allows to connect the stove to a chimney at 45° angle.

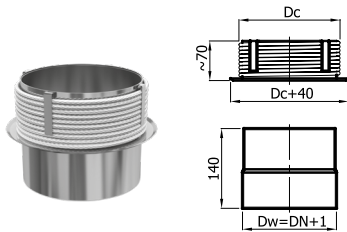


WKK-CS DN / DC / 45 - Z s

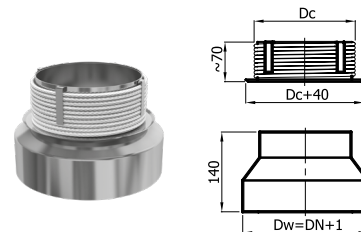


Destination	D	D - smoke ducts
Material	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8 - sheet thickness 0.8 mm
	1	1 - sheet thickness 1.0 mm

14. WALL INSERT FOR CERAMIC CHIMNEYS WKC

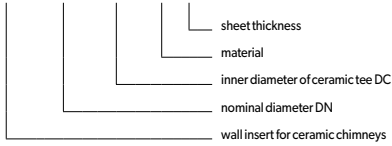


WKC

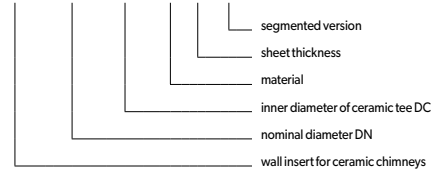


WKC-S

WKC DN / DC - m s



WKC DN / DC - m s - S

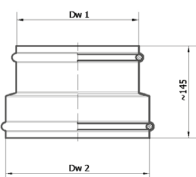


DN	DC									
	Diameter	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250
ø120	WKC	WKC	WKC	WKC	WKC	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S
ø130	WKC-S	WKC	WKC	WKC	WKC	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S
ø140	WKC-S	WKC-S	WKC	WKC	WKC	WKC	WKC-S	WKC-S	WKC-S	WKC-S
ø150	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC	WKC-S	WKC-S	WKC-S	WKC-S
ø160	WKC-S	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC	WKC	WKC-S	WKC-S
ø180	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC	WKC	WKC-S
ø200	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC	WKC-S
ø225	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC
ø250	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC

Destination	D	D - smoke ducts
Material	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8 - sheet thickness 0.8 mm
	1	1 - sheet thickness 1.0 mm

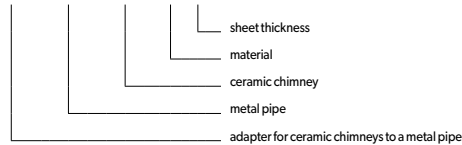
This wall insert protects tees of ceramic chimneys from damages caused by thermal expansion of metal elements of the chimney connection.

15. ADAPTER FOR CERAMIC CHIMNEYS TO A METAL PIPE RDZS



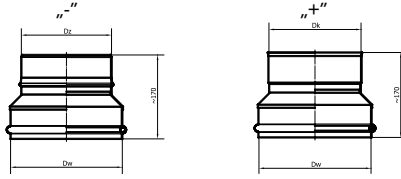
Diameter DN/DC	ø150/ø160	ø160/ø160	ø150/ø180	ø180/ø180	ø150/ø200	ø160/ø200	ø180/ø200	ø200/ø200
Dw1 (DN)	158	168	158	188	158	168	188	208
Dw2 (DC)	200	200	220	220	240	240	240	240
Weight [kg]	0.80	0.80	0.90	0.90	1.07	1.07	1.07	1.07

RDZS DN / DC - m s



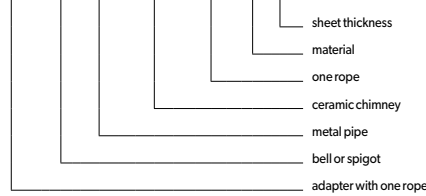
Destination	D	D - smoke ducts
Material	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8 - sheet thickness 0.8 mm
	1	1 - sheet thickness 1.0 mm

16. ADAPTER WITH ONE ROPE RDZS+1S



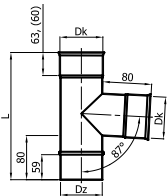
Diameter DN/DC	ø180 / ø180	ø200 / ø200
Dw (DC)	220.0	240.0
Dk (DN)	183.0	202.5
Dz (DN)	182.0	201.5
Weight [kg]	1.10	1.20

RDZS ± DN / DC + 1S - m s



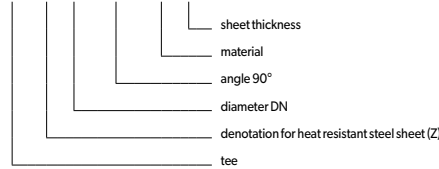
Destination	D	D - smoke ducts
Material	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8 - sheet thickness 0.8 mm
	1	1 - sheet thickness 1.0 mm

17. TEE 90° TR/90



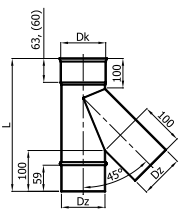
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500	for s=0.6
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2	
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2	
L [mm]	230	270	270	270	280	300	300	330	350	370	380	420	500	500	600	600	650	
Weight [kg]	0.50	0.65	0.75	0.90	0.95	1.00	1.20	1.30	1.50	1.75	2.10	2.45	3.30	4.20	5.25	6.35	7.65	

TR m x / 90 - m s



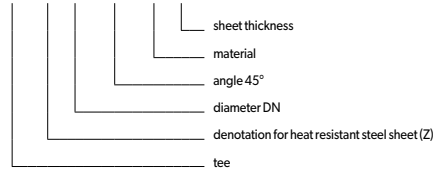
Destination	W	W -	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
Material	-	-	D - smoke ducts
	CH	-	CH - stainless steel 1.4404
Sheet thickness s	-	X	X - stainless steel 1.4301
	-	-	Z - heat resistant steel 1.4828
	5	-	5 - sheet thickness 0.5 mm
	6	6	6 - sheet thickness 0.6 mm
	8	8	8 - sheet thickness 0.8 mm
	1	1	1 - sheet thickness 1.0 mm

18. TEE 45° TR/45



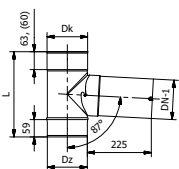
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500	for s=0.6
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2	
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2	
L [mm]	315	340	340	375	385	350	400	425	455	480	520	550	625	695	765	835	910	
Weight [kg]	0.50	0.65	0.75	0.90	0.95	1.00	1.20	1.30	1.50	1.75	2.10	2.45	3.30	4.20	5.25	6.35	7.65	

TR m x / 45 - m s



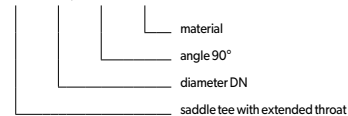
Destination	W	W -	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
Material	-	-	D - smoke ducts
	CH	-	CH - stainless steel 1.4404
Sheet thickness s	-	X	X - stainless steel 1.4301
	-	-	Z - heat resistant steel 1.4828
	5	-	5 - sheet thickness 0.5 mm
	6	6	6 - sheet thickness 0.6 mm
	8	8	8 - sheet thickness 0.8 mm
	1	1	1 - sheet thickness 1.0 mm

19. SADDLE TEE WITH EXTENDED THROAT



Diameter DN	ø100	ø120	ø130	ø140	ø150	ø160	ø180
Dz	100.8	123	132.6	140.8	151.8	161.4	182
Dk	101.8	124	133.6	141.6	152.8	162.2	182.8
L [mm]	270	280	280	300	300	320	350
Weight [kg]	0.60	0.80	0.85	1.20	1.10	1.40	1.65

TRG x / 90 - m

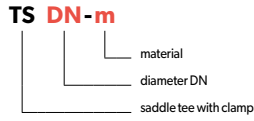
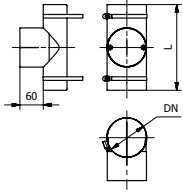


Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	CH	CH - stainless steel 1.4404
Sheet thickness s	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

20. SADDLE TEE WITH CLAMP



Diameter DN	ø100	ø120	ø130	ø150
L [mm]	220	240	250	250
Weight [kg]	0.35	0.45	0.50	0.55

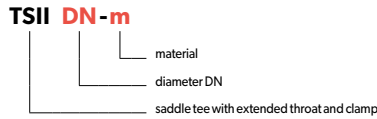
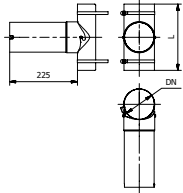


Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	CH	CH - stainless steel 1.4404
Sheet thickness s	6	6 - sheet thickness 0.6 mm

21. SADDLE TEE WITH EXTENDED THROAT AND CLAMP

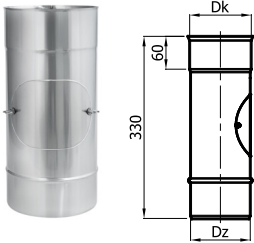


Diameter DN	ø100	ø120	ø130	ø150
L [mm]	220	240	250	250
Weight [kg]	0.50	0.65	0.70	0.90



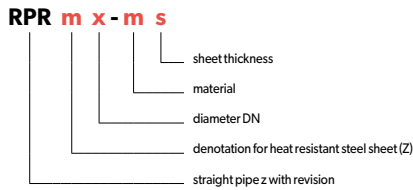
Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	CH	CH - stainless steel 1.4404
Sheet thickness s	6	6 - sheet thickness 0.6 mm

22. STRAIGHT PIPE Z WITH REVISION RPR



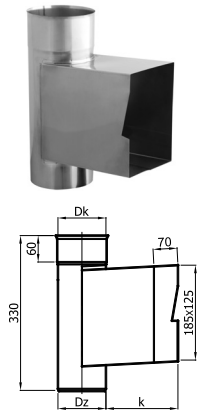
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.40	0.50	0.55	0.60	0.66	0.70	0.75	0.80	0.90	1.00	1.13	1.27	1.52	1.76	2.02	2.27	2.52

for s=0.6



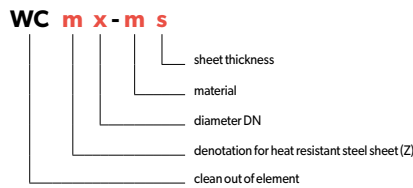
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

23. CLEAN OUT OF ELEMENT WC



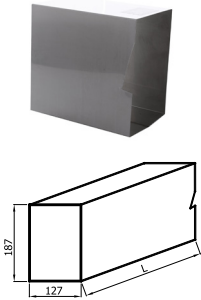
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
k	170	160	155	150	145	140	135	155	145	135	157	145	145	145	145	145	145
Weight [kg]	0.90	1.00	1.05	1.10	1.10	1.10	1.15	1.30	1.35	1.40	1.60	1.70	1.95	2.20	2.45	2.70	2.95

for s=0.6



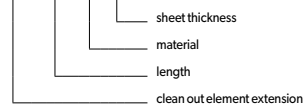
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

24. CLEAN OUT ELEMENT EXTENSION PW



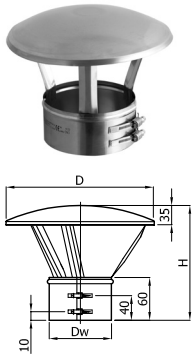
Length L [mm]	200	300	500	1000	for s=0.6
Weight [kg]	0.60	0.90	1.50	2.95	

PW/L-m s



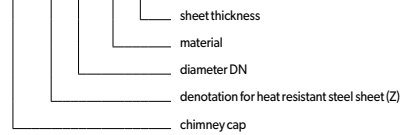
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

25. CHIMNEY CAP DK



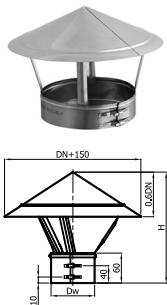
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	for s=0.6
Dw	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	
D	160	220	220	250	250	290	290	290	290	350	
H	145	180	180	180	180	200	200	200	200	220	
Weight [kg]	0.30	0.33	0.34	0.35	0.36	0.37	0.51	0.52	0.54	0.56	

DK m x - m s



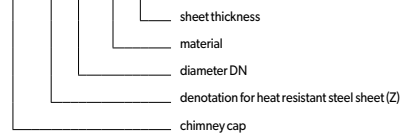
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	-	8	8	8 - sheet thickness 0.8 mm
	-	1	1	1 - sheet thickness 1.0 mm

26. CHIMNEY CAP DK



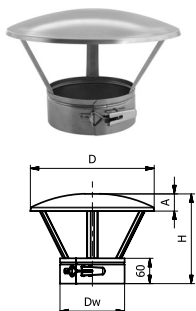
Diameter DN	ø225	ø250	ø300	ø350	ø400	ø450	ø500	for s=0.6
Dw	226.7	252.2	301.6	350.9	401.9	451.2	502.2	
H	330	360	420	480	540	600	660	
Weight [kg]	1.05	1.25	1.60	2.00	2.45	2.95	3.45	

DK m x - m s



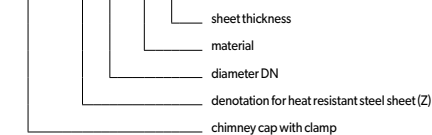
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

27. CHIMNEY CAP WITH CLAMP DK/Z



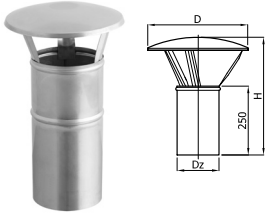
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	for s=0.6
Dw	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	
H	145	180	180	180	180	200	200	200	200	220	
Weight [kg]	0.30	0.33	0.34	0.35	0.36	0.37	0.51	0.52	0.54	0.56	

DK/Z m x - m s



Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	-	8	8	8 - sheet thickness 0.8 mm
	-	1	1	1 - sheet thickness 1.0 mm

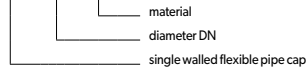
28. SINGLE WALLED FLEXIBLE PIPE CAP DKST



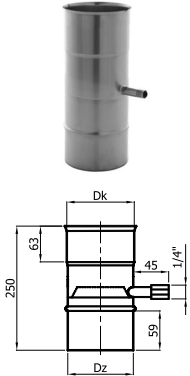
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	for s=0,6
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	
D	160	220	220	250	290	290	290	290	290	350	
H	365	380	385	390	405	410	415	415	420	450	
Weight [kg]	0.50	0.60	0.65	0.70	0.75	0.80	0.95	1.00	1.05	1.10	

Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	CH	CH - stainless steel 1.4404
Sheet thickness s	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

DKST x - CH

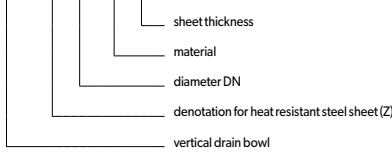


29. VERTICAL DRAIN BOWL MSP



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500	for s=0,6
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2	
Dk	81.1	101.8	113.0	124.1	133.7	141.7	152.9	162.4	183.1	202.2	227.7	253.2	303.1	352.4	403.4	452.7	503.7	
Weight [kg]	0.35	0.45	0.50	0.50	0.55	0.65	0.70	0.75	0.85	0.90	1.00	1.10	1.30	1.50	1.75	1.95	2.15	

MSP m x - m s

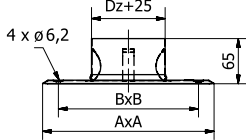


Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	CH	CH - stainless steel 1.4404
	X	X - stainless steel 1.4301
Sheet thickness s	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm
Sheet thickness s	8	8 - sheet thickness 0.8 mm
	1	1 - sheet thickness 1.0 mm

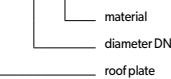
30. ROOF PLATE PD



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500	for s=0,6 (0,5)
Dz [mm]	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2	
A [mm]	250	250	250	250	250	250	300	300	330	330	350	400	450	500	550	600	650	
B [mm]	200	200	200	200	200	200	250	250	280	280	300	350	400	450	500	550	600	
Weight [kg]	0.35	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.65	0.80	0.95	1.10	1.25	1.40	1.55	



PD x - X

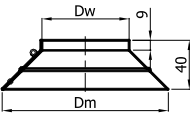


Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	D	D - smoke ducts
	X	X - stainless steel 1.4301
Sheet thickness s	6	6 - sheet thickness 0.6 mm

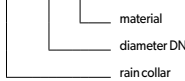
31. RAIN COLLAR KPD



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø280	ø300	ø350	ø400	ø450	ø500	ø550	ø600	for s=0,6 (0,5)
Dw [mm]	79.0	99.7	110.9	122.0	131.6	139.5	150.7	160.2	180.9	200.0	225.5	251.0	279	300.4	349.7	400.7	450.0	501.0	550	600	
Dm [mm]	151	172	183	194	204	212	223	232	253	272	326	350	379	400	450	501	550	601	650	700	
Weight [kg]	0.14	0.16	0.17	0.18	0.18	0.19	0.20	0.21	0.23	0.25	0.29	0.31	0.37	0.36	0.41	0.45	0.50	0.54	0.6	0.65	

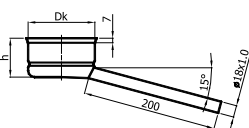


KPD x - X



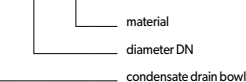
Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	D	D - smoke ducts
	X	X - stainless steel 1.4301
Sheet thickness s	6	6 - sheet thickness 0.6 mm

32. CONDENSATE DRAIN BOWL MS



Miska	I	II	III	IV	for s=0,5													
Diameter DN	ø80	ø100	ø110	ø120		ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dk [mm]	81	102	113	123		134	142	152	166	183	202	228	253	303	355	404	453	504
h [mm]	60	60	60	57		55	60	52	45	41	43	60	60	60	60	60	60	60
Weight [kg]	0.20	0.25	0.25	0.30		0.30	0.30	0.35	0.40	0.50	0.60	0.60	0.70	0.85	1.05	1.35	1.60	1.85

MS x - CH



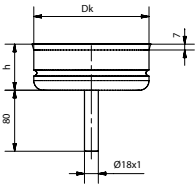
Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
Material	D	D - smoke ducts
	CH	CH - stainless steel 1.4404

33. CONDENSATE DRAIN BOWL MS



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dk [mm]	81	102	113	123	134	142	152	166	183	202	228	253	303	355	404	453	504
h [mm]	60	60	60	57	55	60	52	45	41	43	60	60	60	60	60	60	60
Weight [kg]	0.20	0.25	0.25	0.30	0.30	0.30	0.35	0.40	0.50	0.60	0.60	0.70	0.85	1.05	1.35	1.60	1.85

for s=0.6



MS x - CH - P

- MS - material
- x - diameter DN
- CH - condensate drain bowl
- P - vertical

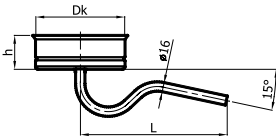
Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
	D	D - smoke ducts
Material	CH	CH - stainless steel 1.4404

34. CONDENSATE DRAIN BOWL WITH SIPHON MSF



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dk [mm]	81	102	113	123	134	142	152	166	183	202	228	253	303	355	404	453	504
L [mm]	230	230	230	230	230	230	260	260	260	260	upon individual order						
h [mm]	60	60	60	57	55	60	52	45	41	43	60	60	60	60	60	60	60
Weight [kg]	0.20	0.25	0.25	0.30	0.30	0.30	0.35	0.40	0.50	0.60	0.60	0.70	0.85	1.05	1.35	1.60	1.85

for s=0.6



MSF x - CH

- MSF - material
- x - diameter DN
- CH - condensate drain bowl with siphon

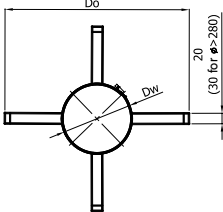
Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
	D	D - smoke ducts
Material	CH	CH - stainless steel 1.4404

35. STABILIZING BRACKET OU



Diameter DN	ø60	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Do [mm]	480	480	500	512	523	532	540	552	561	582	602	626	652	702	752	802	852	902
Dw [mm]	60.4	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Weight [kg]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.25

for s=0.6 (0.5)



OU x - X

- OU - material
- x - diameter DN
- X - stabilizing bracket

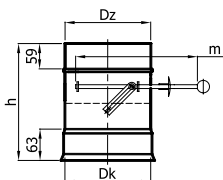
Destination	W	W - ventilation ducts
	S	S - flue ducts (gas, oil)
	D	D - smoke ducts
Material	X	X - stainless steel 1.4301
Sheet thickness s	6	6 - sheet thickness 0.6 mm

36. CHIMNEY DAMPER SZK



Diameter DN	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300
Dz	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6
Dk	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6
h [mm]	220	230	240	250	260	280	300	325	350	400
m [mm]	660	660	660	800	800	800	800	800	800	800
Weight [kg]	1.45	1.55	1.65	1.80	1.90	2.15	2.45	2.85	3.30	4.30

for s=1.0

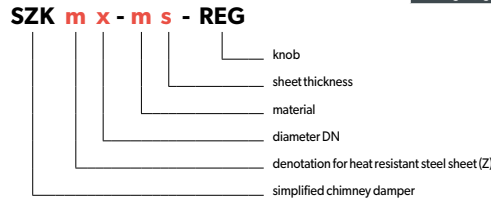
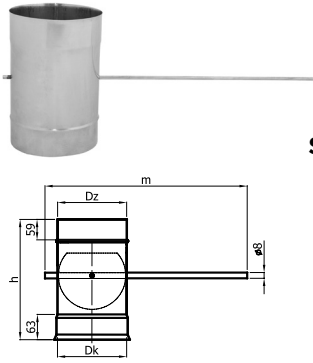


SZK m x - m s

- SZK - chimney damper
- m - denotation for heat resistant steel sheet (Z)
- x - diameter DN
- m - material
- s - sheet thickness

Destination	W	-	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
	D	-	D - smoke ducts
Material	CH	-	CH - stainless steel 1.4404
	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8	8 - sheet thickness 0.8 mm
	1	1	1 - sheet thickness 1.0 mm

37. SIMPLIFIED CHIMNEY DAMPER SZK-REG



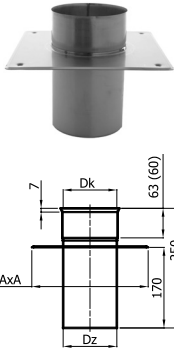
Diameter DN	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300
Dz	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6
Dk	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6
h [mm]	220	230	240	250	260	280	300	325	350	400
m [mm]	690	690	690	690	690	690	690	690	690	690
Weight [kg]	1.25	1.35	1.45	1.60	1.70	1.95	2.25	2.65	3.10	4.10

for s=1.0

Destination	W	-	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
	-	D	D - smoke ducts
Material	CH	-	CH - stainless steel 1.4404
	-	Z	Z - heat resistant steel 1.4828
	-	-	-
Sheet thickness s	8	8	8 - sheet thickness 0.8 mm
	1	1	1 - sheet thickness 1.0 mm

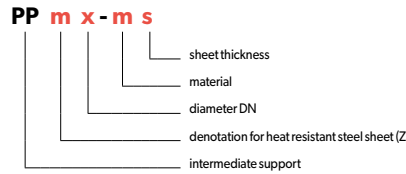
Chimney damper knobs - see last pages.

38. INTERMEDIATE SUPPORT PP



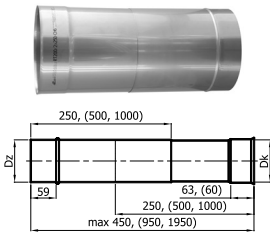
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz [mm]	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk [mm]	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
A [mm]	250	250	250	250	250	300	300	300	300	330	350	400	450	550	550	600	650
Weight [kg]	0.75	0.80	0.85	0.87	0.90	0.95	1.10	1.15	1.20	1.35	1.50	1.85	2.20	2.55	2.90	3.30	3.70

for s=0.6



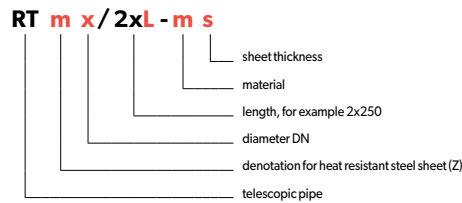
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

39. TELESCOPIC PIPE RT



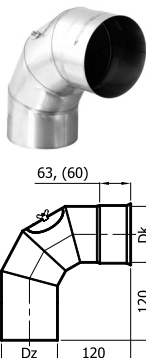
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.60	0.76	0.84	0.93	1.00	1.06	1.14	1.21	1.37	1.51	1.70	1.90	2.27	2.64	3.03	3.40	3.78

for s=0.6
L=2x, 250



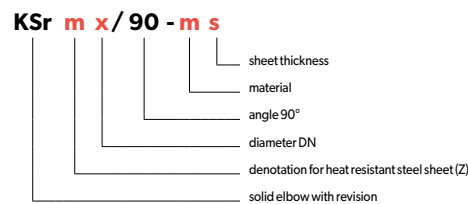
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

40. SOLID ELBOW 90° WITH REVISION KSR/90



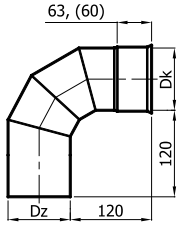
Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz [mm]	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk [mm]	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.32	0.48	0.54	0.62	0.66	0.74	0.80	0.97	1.10	1.21	1.36	1.82	2.27	2.64	3.75	4.55	5.44

for s=0.6



Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

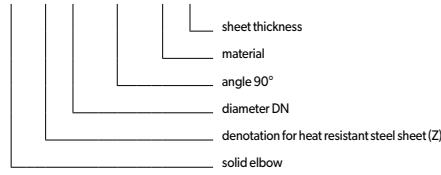
41. SOLID ELBOW 90° KS/90



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz [mm]	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk [mm]	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.32	0.48	0.54	0.62	0.66	0.74	0.80	0.97	1.10	1.21	1.36	1.82	2.27	2.64	3.75	4.55	5.44

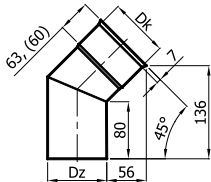
for s=0.6

KS m x / 90 - m s



Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

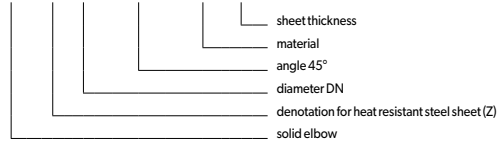
42. SOLID ELBOW 45° KS/45



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz [mm]	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk [mm]	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.25	0.35	0.40	0.45	0.50	0.50	0.55	0.60	0.70	0.80	0.95	1.10	1.40	1.70	2.10	2.50	2.95

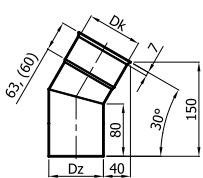
for s=0.6

KS m x / 45 - m s



Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

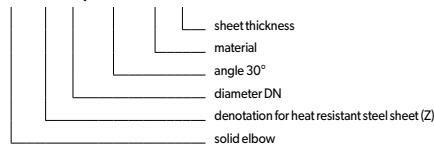
43. SOLID ELBOW 30° KS/30



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz [mm]	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk [mm]	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.25	0.30	0.35	0.40	0.45	0.45	0.50	0.55	0.65	0.70	0.80	0.95	1.20	1.45	1.75	2.05	2.40

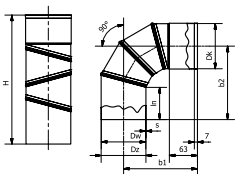
for s=0.6

KS m x / 30 - m s



Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

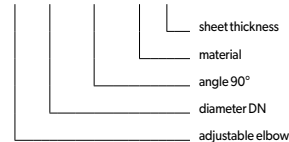
44. ADJUSTABLE ELBOW 90° KN/90



Diameter DN	ø80	ø100	ø110	ø120	ø125	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250
Dw [mm]	79.1	99.8	110.9	122	126.1	131.6	139.5	150.6	160.2	180.8	199.9	225.4	250.9
Dz [mm]	80.1	100.8	111.9	123	127.1	132.6	140.7	151.8	161.4	182	201.1	226.6	252.1
Dk [mm]	81.1	101.8	112.9	124	128.1	133.6	141.7	152.8	162.4	183	202.1	227.6	253.1
b1 [mm]	156	166	170	175	177	180	184	190	194	205	214	227	239
b2 [mm]	155	165	163	166	172	170	181	178	202	205	210	227	244
H [mm]	274	290	290	297	304	304	317	317	344	354	364	389	414
In [mm]	73	72	67	64	68	64	70	61	80	74	68	73	78
Weight [kg]	0.28	0.38	0.42	0.47	0.49	0.52	0.69	0.74	0.85	0.99	1.12	1.35	1.59

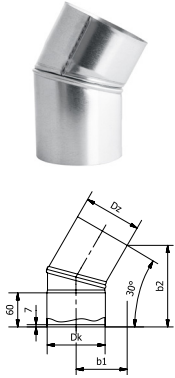
for s=0.6

KN x / 90 - m s

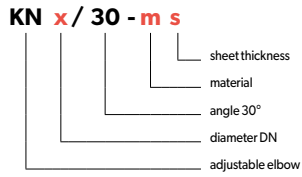


Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	5	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm

45. ADJUSTABLE ELBOW 30° KN/30

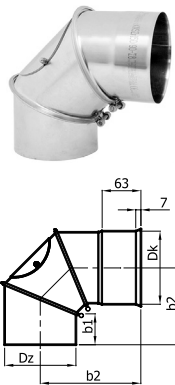


Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	for s=0.6
b1 [mm]	78	91	97	103	108	113	120	126	142	158	
b2 [mm]	143	152	153	155	157	160	162	169	191	215	
Weight [kg]	0.17	0.23	0.27	0.31	0.35	0.38	0.42	0.46	0.59	0.72	

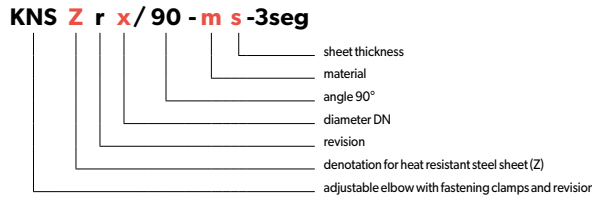


Destination	W	W	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
Material	-	-	D - smoke ducts
	CH	-	CH - stainless steel 1.4404
	-	X	X - stainless steel 1.4301
Sheet thickness s	-	-	Z - heat resistant steel 1.4828
	5	5	5 - sheet thickness 0.5 mm
	6	6	6 - sheet thickness 0.6 mm

46. ADJUSTABLE ELBOW WITH FASTENING CLAMPS AND REVISION 90° KNSZR/90-3 SEG

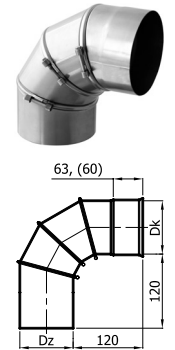


Diameter DN	ø120	ø130	ø150	ø160	ø180	ø200	ø225	ø250	for s=0.6
Dz [mm]	123.2	132.8	151.9	161.4	182.1	201.2	226.7	252.2	
Dk [mm]	124.2	133.8	152.9	162.4	183.1	202.2	227.7	253.0	
b ₁ [mm]	70	70	70	70	70	70	70	70	
b ₂ [mm]	205	205	210	205	205	220	205	220	
Weight [kg]	0.62	0.66	0.80	0.97	1.10	1.21	1.36	1.82	

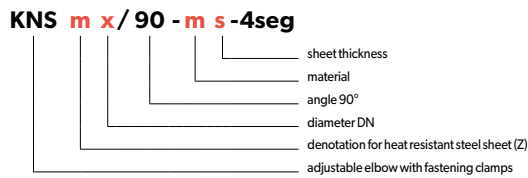


Destination	W	-	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
Material	-	-	D - smoke ducts
	CH	-	CH - stainless steel 1.4404
	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8	8 - sheet thickness 0.8 mm
	1	1	1 - sheet thickness 1.0 mm

47. ADJUSTABLE ELBOW WITH FASTENING CLAMPS 90° KNS/90 (ø120÷ø250)-4 SEG

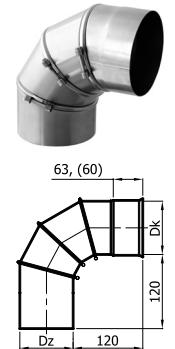


Diameter DN	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	for s=0.6
Dz [mm]	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	
Dk [mm]	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.0	
Weight [kg]	0.62	0.66	0.74	0.80	0.97	1.10	1.21	1.36	1.82	

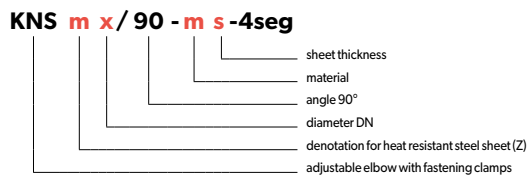


Destination	W	W	W - ventilation ducts
	S	-	S - flue ducts (gas, oil)
Material	-	-	D - smoke ducts
	CH	-	CH - stainless steel 1.4404
	-	X	X - stainless steel 1.4301
Sheet thickness s	5	-	5 - sheet thickness 0.5 mm
	6	6	6 - sheet thickness 0.6 mm

48. ADJUSTABLE ELBOW WITH FASTENING CLAMPS 90° KNS/90 (ø300÷ø500)-4 SEG

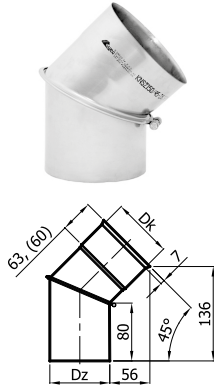


Diameter DN	ø300	ø350	ø400	ø450	ø500	for s=0.6
Dz [mm]	301.6	350.9	401.9	451.2	502.2	
Dk [mm]	302.6	351.9	402.9	452.2	503.2	
Weight [kg]	2.27	2.64	3.75	4.55	5.44	



Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	-	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

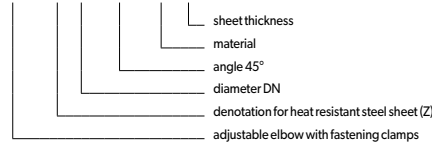
49. ADJUSTABLE ELBOW WITH FASTENING CLAMPS 45° KNSZ/45 (ø120÷ø250)



Diameter DN	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250
Dz [mm]	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2
Dk [mm]	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2
Weight [kg]	0.45	0.50	0.50	0.55	0.60	0.70	0.80	0.95	1.10

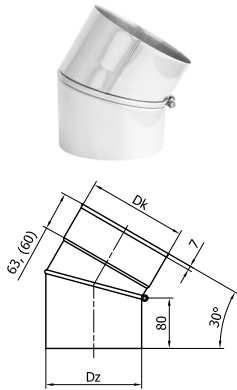
for s=0,6

KNS Z x/45 - m s



Destination	W	W	-	W - ventilation ducts
	S	-	-	S
Material	-	-	D	D - smoke ducts
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

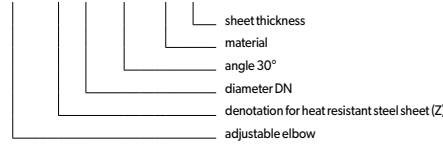
50. ADJUSTABLE ELBOW WITH FASTENING CLAMPS 30° KNS/30 (ø100÷ø500)



Diameter DN	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz [mm]	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk [mm]	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.35	0.4	0.45	0.50	0.50	0.55	0.60	0.70	0.80	0.95	1.10	1.40	1.70	2.10	2.50	2.95

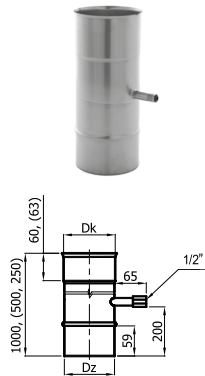
for s=0,6

KNS m x/30 - m s



Destination	W	W	-	W - ventilation ducts
	S	-	-	S
Material	-	-	D	D - smoke ducts
	CH	-	CH	CH - stainless steel 1.4404
-	X	-	X	X - stainless steel 1.4301
-	-	Z	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
8	8	8	8	8 - sheet thickness 0.8 mm
1	1	1	1	1 - sheet thickness 1.0 mm

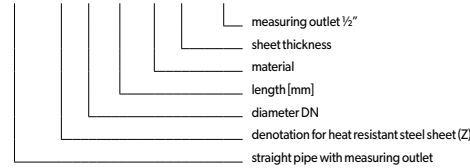
51. STRAIGHT PIPE WITH MEASURING OUTLET 1/2" ROP-1/2



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	1.20	1.50	1.70	1.85	2.00	2.10	2.30	2.40	2.75	3.00	3.40	3.80	4.55	5.30	6.05	6.80	7.55

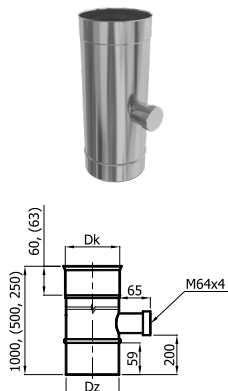
for s=0,6

ROP m x/L - m s - 1/2



Destination	W	W	-	W - ventilation ducts
	S	-	-	S
Material	-	-	D	D - smoke ducts
	CH	-	CH	CH - stainless steel 1.4404
-	X	-	X	X - stainless steel 1.4301
-	-	Z	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
8	8	8	8	8 - sheet thickness 0.8 mm
1	1	1	1	1 - sheet thickness 1.0 mm

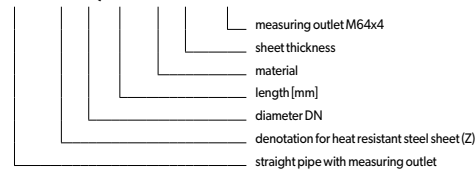
52. STRAIGHT PIPE WITH MEASURING OUTLET M64x4 ROP-64



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	1.20	1.50	1.70	1.85	2.00	2.10	2.30	2.40	2.75	3.00	3.40	3.80	4.55	5.30	6.05	6.80	7.55

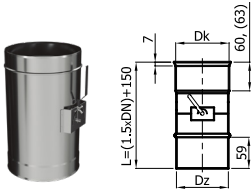
for s=0,6

ROP m x/L - m s - 64

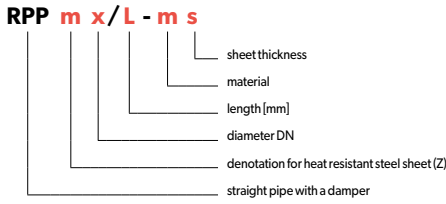


Destination	W	W	-	W - ventilation ducts
	S	-	-	S
Material	-	-	D	D - smoke ducts
	CH	-	CH	CH - stainless steel 1.4404
-	X	-	X	X - stainless steel 1.4301
-	-	Z	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
8	8	8	8	8 - sheet thickness 0.8 mm
1	1	1	1	1 - sheet thickness 1.0 mm

53. STRAIGHT PIPE WITH A DAMPER RPP

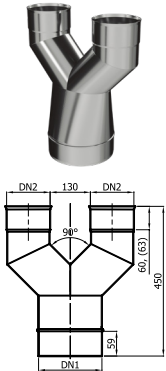


Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500
Dz	80.2	100.9	112.1	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	350.9	401.9	451.2	502.2
Dk	81.2	101.9	113.1	124.2	133.8	141.7	152.9	162.4	183.1	202.2	227.7	253.2	302.6	351.9	402.9	452.2	503.2
Weight [kg]	0.40	0.50	0.60	0.65	0.75	0.80	0.85	1.00	1.20	1.40	1.70	2.00	2.75	3.60	4.60	5.70	6.90

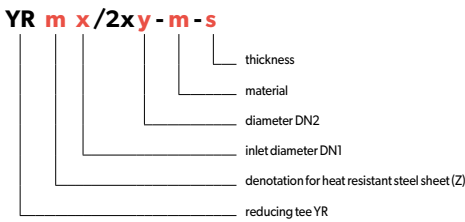


Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

54. REDUCING TEE YR

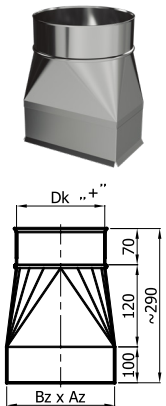


Diameter DN1	ø180	ø200	ø225
Diameter DN2	ø110	ø120	ø130
	ø140	ø150	

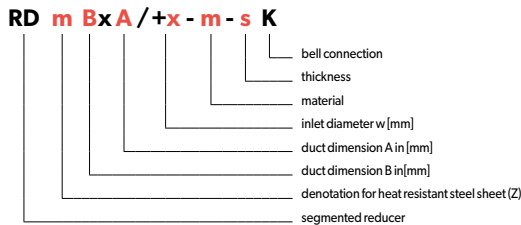


Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

55. SEGMENTED REDUCER RD

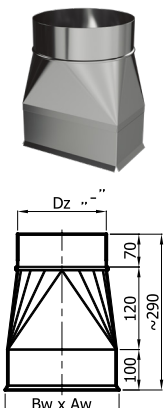


Diameter DN	ø150	ø160	ø170	ø180	ø190	ø200	ø210	ø225	ø250	ø300
Dk [mm]	152.9	162.4	172.0	183.1	192.7	202.2	211.8	227.7	253.2	302.6
Az [mm]	120	125	135	120	120	120	120	125	135	235
Bz [mm]	120	130	135	165	180	200	210	230	260	235
Weight [kg]	0.60	0.63	0.66	0.70	0.73	0.78	0.80	0.87	0.97	1.15

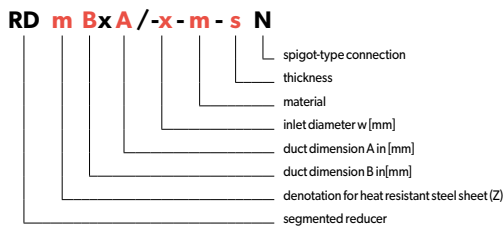


Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

56. SEGMENTED REDUCER RD



Diameter DN	ø150	ø160	ø170	ø180	ø190	ø200	ø210	ø225	ø250	ø300
Dk [mm]	151.9	161.4	171.0	182.1	191.7	201.2	210.8	226.7	252.2	301.6
Aw [mm]	120	125	135	120	120	120	120	125	135	235
Bw [mm]	120	130	135	165	180	200	210	230	260	235
Weight [kg]	0.60	0.63	0.66	0.70	0.73	0.78	0.80	0.87	0.97	1.15



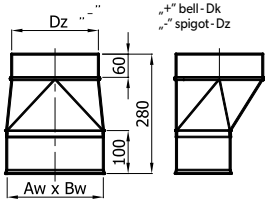
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
	8	8	8	8 - sheet thickness 0.8 mm
	1	1	1	1 - sheet thickness 1.0 mm

57. SEGMENTED REDUCER RD-NS ASYMMETRICAL

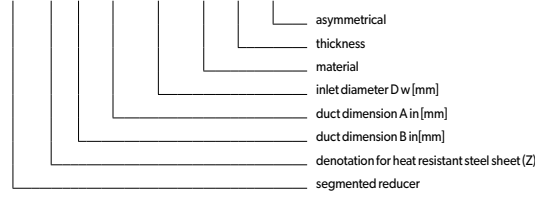


Diameter DN	ø150	ø160	ø170	ø180	ø190	ø200	ø210	ø225	ø250	ø300	for s=0.6
Dk [mm]	151.9	161.4	171.0	182.1	191.7	201.2	210.8	226.7	252.2	301.6	
Aw [mm]	120	125	135	120	120	120	120	125	135	235	
Bw [mm]	120	130	135	165	180	200	210	230	260	235	
Weight [kg]	0.60	0.63	0.66	0.70	0.73	0.78	0.80	0.87	0.97	1.15	

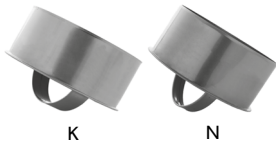
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
Sheet thickness s	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
8	8	8	8 - sheet thickness 0.8 mm	
1	1	1	1 - sheet thickness 1.0 mm	



RD m BxA / ±x - m - s NS



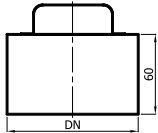
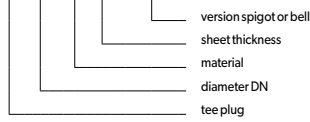
58. TEE PLUG ZT-K/N



Diameter DN	ø80	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø225	ø250	ø300	ø350	ø400	ø450	ø500	for s=0.6
Weight [kg]	0.12	0.15	0.17	0.19	0.20	0.22	0.24	0.26	0.30	0.35	0.42	0.48	0.63	0.80	1.00	1.20	1.40	

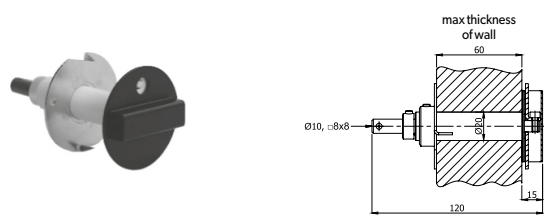
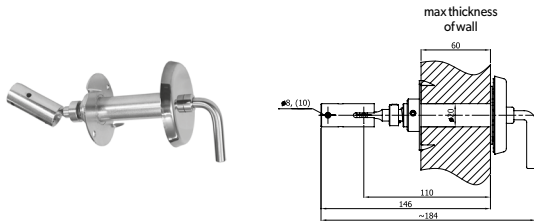
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts (gas, oil)
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
Sheet thickness s	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0.5 mm
	6	6	-	6 - sheet thickness 0.6 mm
8	8	8	8 - sheet thickness 0.8 mm	
1	1	1	1 - sheet thickness 1.0 mm	

ZT x - m s - K/N

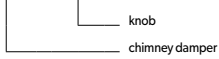


N - for TR 90°
K - for TR 45°

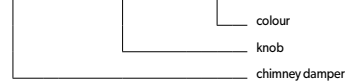
1. CHIMNEY DAMPER KNOB SZKZ-REG, SZKZ-REG-LIGHT



SZKZ - REG



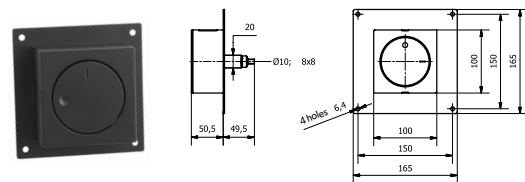
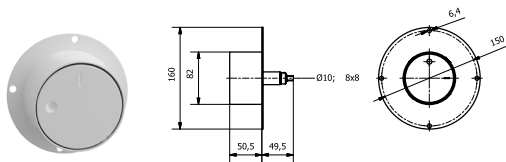
SZKZ - REG-LIGHT - ...



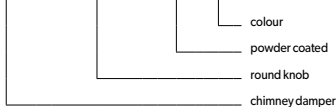
Destination	S	-	S - flue ducts
	-	D	D - smoke ducts
Material	CH	CH	CH - stainless steel 1.4301
	ML	ML	ML - stainless steel 1.4301 powder coated

Destination	S	-	S - flue ducts
	-	D	D - smoke ducts
Material	CZ	CZ	CZ - steel sheet (black)
Colour	B	B	B - white
	CZ	CZ	CZ - black

2. ROUND AND RECTANGULAR UNDER SURFACE CHIMNEY DAMPER KNOBS



SZKZ - REG-OK - ML ...

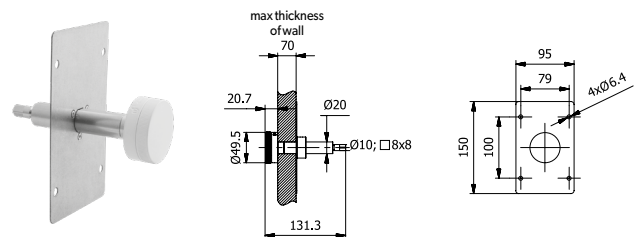
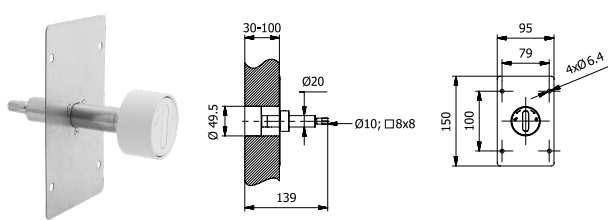


SZKZ - REG-KW - ML ...

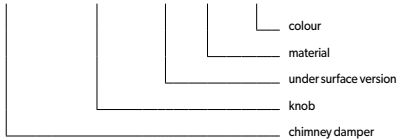


Destination	S	-	S - flue ducts
	-	D	D - smoke ducts
Material	CZ	CZ	CZ - steel sheet (black)
Colour	B	B	B - white
	CZ	CZ	CZ - black

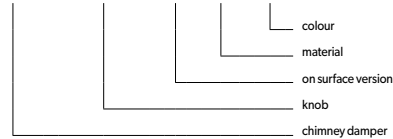
3. CHIMNEY DAMPER ... OS (ON SURFACE AND UNDER SURFACE VERSION)



SZKZ - REG-OS/P - ML - ...

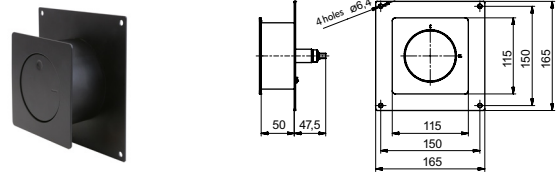
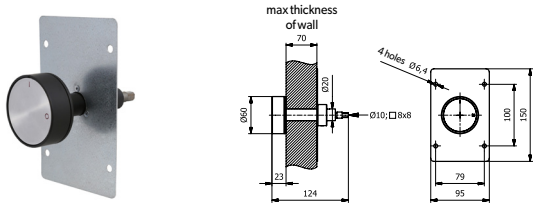


SZKZ - REG-OS/N - ML - ...

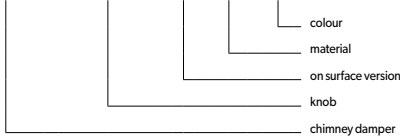


Destination	S	-	S - flue ducts
	-	D	D - smoke ducts
Material	ML	ML	ML - aluminium powder coated
Colour	B	B	B - white
	CZ	CZ	CZ - black

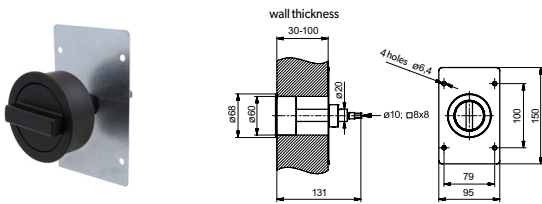
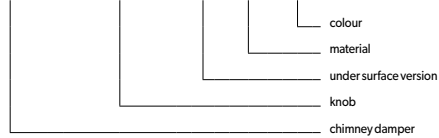
4. CHIMNEY DAMPER KNOB



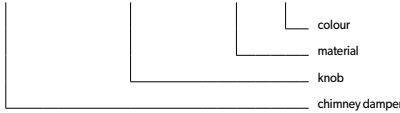
SZKZV - REG1-OS / N - ML - ...



SZKZV - REG2-KW / P - ML - ...

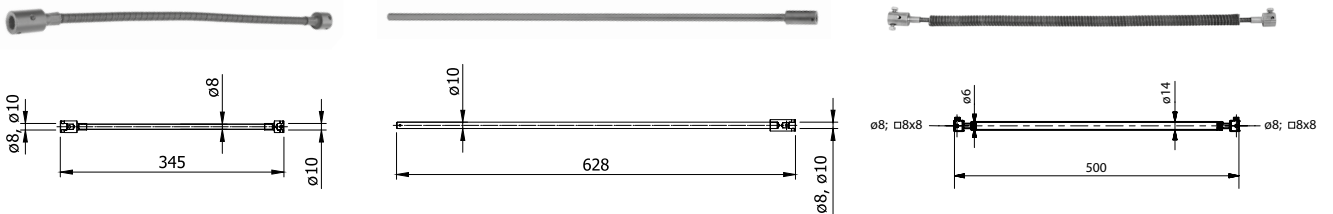


SZKZV - REG3-LIGHT - ML - ...



Destination	S	-	S - flue ducts
	-	D	D - smoke ducts
Material	ML	ML	ML - aluminium powder coated
	B	B	B - white
Colour	CZ	CZ	CZ - black

5. FLEXIBLE SHAFT SZK-REG-WG, SZKZ-REG-WGSZ, EXTENSION OF FLEXIBLE SHAFT SZKZ-REG-PW600



SZK-REG-WG

flexible shaft

SZKZ-REG-PW600

extension of flexible shaft

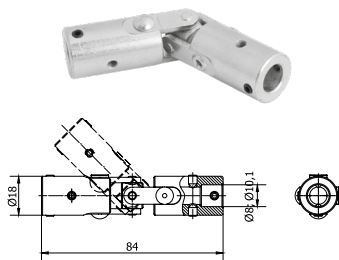
SZKZ-REG-WGSZ

flexible shaft with cover

Destination	S	-	S - flue ducts
	-	D	D - smoke ducts
Material	CZ	CZ	CZ - steel sheet (black)

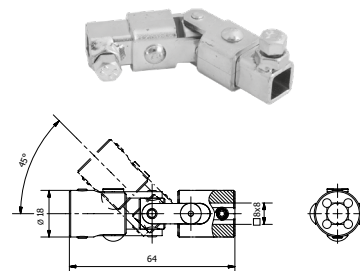
Compatible with chimney dampers with rod diameters $\varnothing 8$ and $\varnothing 10$ mm and knobs produced by DARCO.

6. ROUND, SQUARE JOINT



SZKZ-REG-PGO

round joint



SZKZ-REG-PGK

square joint