

DESCRIPTION

Chimney liner system <SWK> single-walled chimney liners and ducts, made of acid-resistant chrome-nickel steel sheet (type 1.4404 according to DIN 17441). They protect the inner surfaces of ceramic chimneys (exhausting wet fumes from oil and gas fired appliances), from the destructive functioning of acids.

Maximum working temperature - 450°C

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

Certificate of Factory Production Control 1450-CPD-0007 issued by INiG Cracow. Marked with CE sign.

Heat resistant chimney liner system <SWKZ> single-walled chimney liners, made of heat-resistant chrome-nickel steel sheet (type 1.4828 according to DIN 17441). They protect inner surfaces of ceramic chimneys extracting fumes from wood fired heating devices.

Maximum working temperature - 600°C

The system of single walled heat resistant chimney liners allows the adjustment of already existing chimney ducts to new specific working conditions.

Certificate of Factory Production Control 1450-CPD-0007 issued by INiG Cracow. Marked with CE sign.

Round pipes and fittings, made of chrome-nickel steel sheet (type 1.4301 according to DIN 17441), are to be applied for constructing ducts of mechanical and gravitational ventilation systems, air-heating and air-conditioning installations.

Maximum working temperature - 250°C

APPLICATION OF CHIMNEYS AND RECOMMENDED SHEET THICKNESSES

Diameter DN	W,S	D	W
	1.4404	1.4828	1.4301
80	0.5	-	0.6
100	0.5	-	0.6
110	0.5	-	0.6
120	0.5	1.0	0.6
130	0.5	1.0	0.6
140	0.6	1.0	0.6
150	0.6	1.0	0.6
160	0.6	1.0	0.6
180	0.6	1.0	0.6
200	0.6	1.0	0.6
225	0.6	1.0	0.6
250	0.8	1.0	0.8
280	0.8	1.0	0.8
300	0.8	1.0	0.8
325	0.8	1.0	0.8
350	0.8	1.0	0.8
400	1.0	1.0	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	
150	475	151.8	150.6	152.8	0.6
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	
250	790	252.3	250.7	253.3	
260	818	261.2	259.6	262.2	0.8
280	880	280.9	279.3	281.9	
300	945	301.6	300.0	302.6	
325	1020	325.5	323.9	327.0	
350	1100	350.9	349.3	352.4	
400	1260	402.1	400.1	403.6	
450	1415	451.4	449.4	452.9	1.0
500	1575	502.3	500.3	503.8	

DESTINATION

- W** - ventilation ducts
- S** - flue ducts
- D** - smoke ducts

MEASUREMENTS

- 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 of the element - 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.

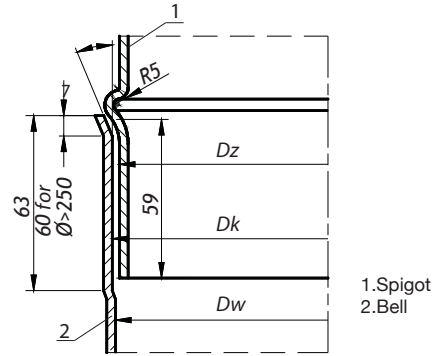
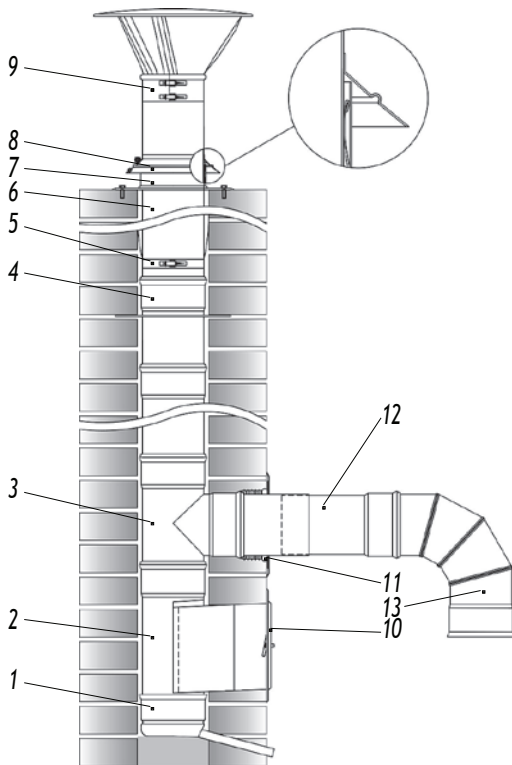


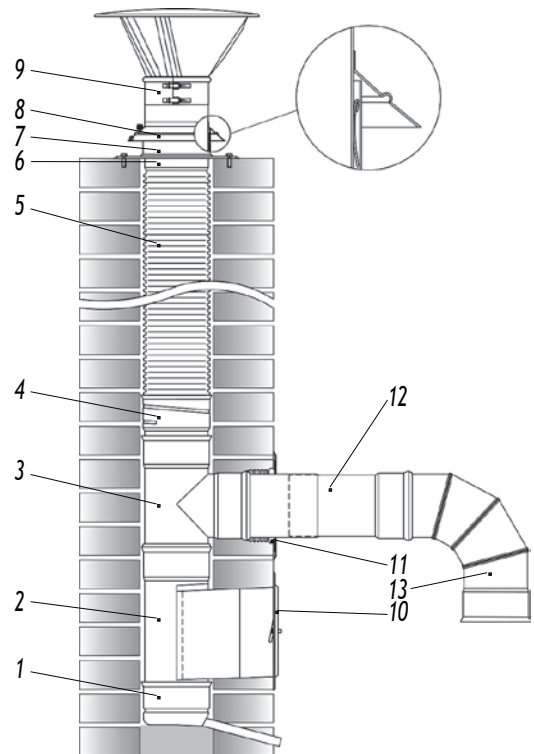
Fig. The method of joining single-walled pipe elements.

MODEL APPLICATION OF THE ELEMENTS



Pos	Name	Denotation
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	OU150-CH
6	Straight pipe 1m	RP150/1000-CH6
7	Roof plate	PD150-X
8	Rain collar	KPD150-X
9	Cap	DK150-CH6
10	Doors	DW125X185
11	Rosette	ROZ150-H17
12	Telescopic pipe	RT150/2X250-CH6
13	Adjustable elbow 0-90°	KNU150/90-CH6

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



Pos	Name	Denotation
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	RESF 150-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	DW125X185
11	Rosette	ROZ150-H17
12	Telescopic pipe	RT150/2X250-CH6
13	Adjustable elbow 0-90°	KNU150/90-CH6

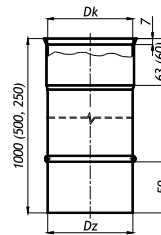
Fig. An example of a single walled chimney construction (flexible pipes)

1. STRAIGHT PIPE RP

PICTURE



MEASUREMENTS

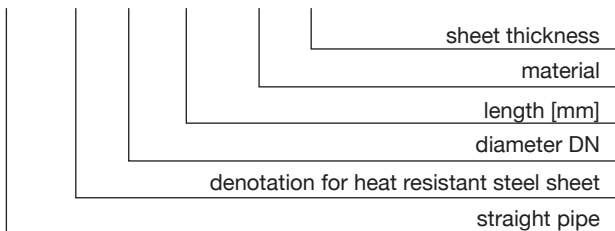


RP

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	
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	

DENOTATIONS / PRODUCT CODES

RP m x / L - m s



MATERIALS

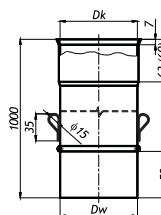
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - sheet thickness 0,5 mm
	6	6	-	6 - sheet thickness 0,6 mm
	8	8	8	8 - sheet thickness 0,8 mm
1	1	1	1 - sheet thickness 1,0 mm	

2. STRAIGHT PIPE 1000 WITH MOUNTING HANDLES RU

PICTURE



MEASUREMENTS

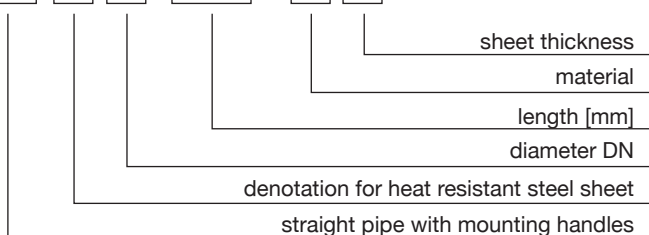


RU

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	
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	

DENOTATIONS / PRODUCT CODES

RU m x / 1000 - m s



MATERIALS

Destination	W	W	-	W - ventilation ducts
	S	-	-	-
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. STRAIGHT RADIATOR PIPE RPZZ

PICTURE



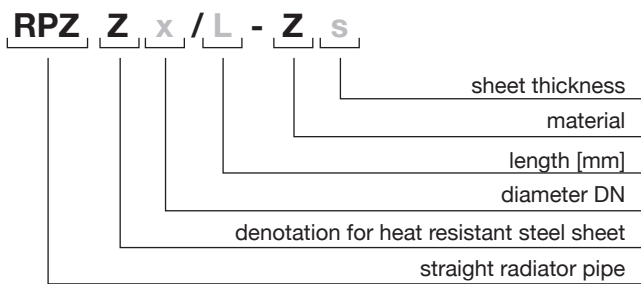
MEASUREMENTS



RPZZ

Diameter DN	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	for s=1.0
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	
Weight (kg)	6.05	6.60	7.15	7.60	8.20	9.10	10.15	11.45	12.75	15.30	

DENOTATIONS / PRODUCT CODES



MATERIALS

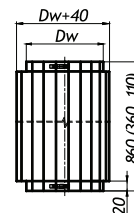
Destination	-	-	-	W - ventilation ducts
	-	-	-	S - flue ducts
Material	-	-	D	D - smoke ducts
	-	-	-	CH - stainless steel 1.4404
	-	-	X	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	-	8	8 - Sheet thickness 0,8 mm
	-	-	1	1 - Sheet thickness 1,0 mm

4. RADIATOR BAND OPZ

PICTURE



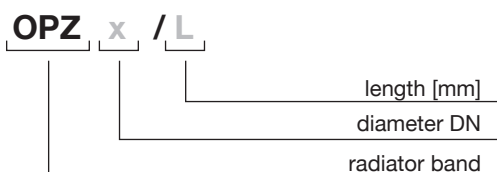
MEASUREMENTS



OPZ

Diameter DN	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	for s=0.6
Dw	123.2	132.8	140.7	151.9	161.4	182.1	201.2	226.7	252.2	301.6	
Weight (kg)	2.90	3.30	3.60	3.80	4.10	4.60	5.10	5.80	6.45	7.75	

DENOTATIONS / PRODUCT CODES



MATERIALS

Destination	-	-	-	W - ventilation ducts
	-	-	-	S - flue ducts
Material	-	D	-	D - smoke ducts
	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	-	Z - heat resistant steel 1.4828
	-	-	-	5 - Sheet thickness 0,5 mm
	-	6	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

5. SINGLE WALLED FLEXIBLE STAINLESS PIPE RESF

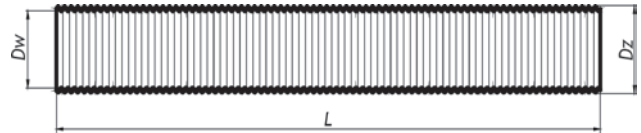
PICTURE



Maximum length: 15 [m]
 Minimal bending radius: 3D
 Max.working temp: 600°C

MEASUREMENTS

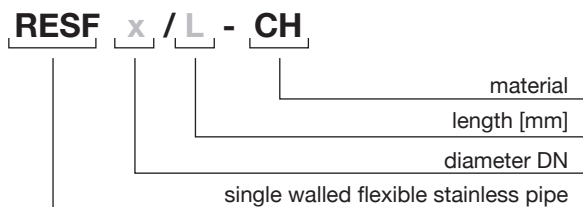
RESF



Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	for s=0,12
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	

Weight of 1mb of flexible pipe

DENOTATIONS / PRODUCT CODES



MATERIALS

Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
Material	-	-	-	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	12	-	-	12 - Sheet thickness 0,12 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

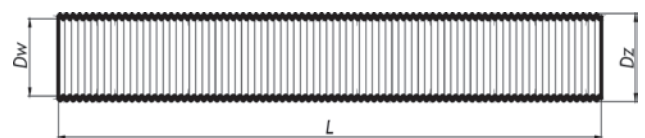
6. DOUBLE-WALLED FLEXIBLE STAINLESS PIPE DUOFLEX DUO

PICTURE



MEASUREMENTS

DUO

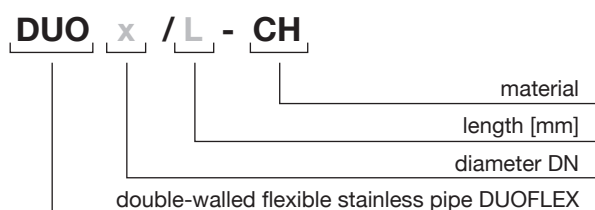


Maximum length: 30 [m]
 Minimal bending radius: 0,4 [m]
 Max.working temp: 600°C

Diameter DN	Ø130	Ø150	Ø180	Ø200	for s=2x0,12
Dw	130	150	180	200	
Dz	137	157	187	207	
Weight [kg]	2.40	2.70	3.20	3.60	

Weight of 1m of flexible pipe

DENOTATIONS / PRODUCT CODES



MATERIALS

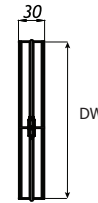
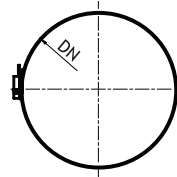
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
Material	-	-	-	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	2x12	-	-	12 - Sheet thickness 0,12 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

7. DUOFLEX CONNECTING CLAMP DUO-OP-Z

PICTURE



MEASUREMENTS



DUO-OP-Z

Diameter DN	Ø130	Ø150	Ø180	Ø200	Ø225	for s=0,8
Weight [kg]	0.14	0.15	0.17	0.18	0.19	

DENOTATIONS / PRODUCT CODES

DUO - OP - x - Z

denotation for heat resistant steel sheet
diameter DN
connecting clamp
DUOFLEX

MATERIALS

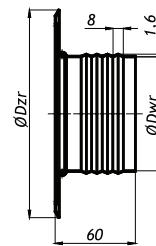
Destination	-	-	W	W - ventilation ducts
	-	-	S	S - flue ducts
	-	-	D	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	-	8	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

8. ROSETTE ROZ

PICTURE



MEASUREMENTS



ROZ

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0,5
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	

DENOTATIONS / PRODUCT CODES

ROZ x - H17

material
diameter DN
rosette

MATERIALS

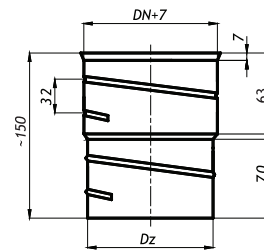
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	D	-	-	D - smoke ducts
Material	H17	-	-	H17 - chrome steel 1.4016
	-	-	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

9. SINGLE WALLED FLEXIBLE PIPE CONNECTOR RESF ZST

PICTURE



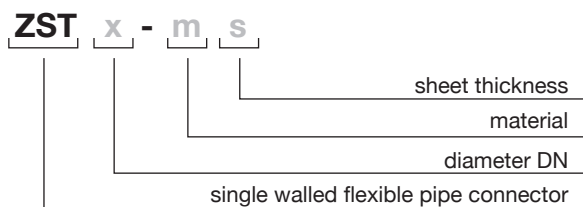
MEASUREMENTS



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	

DENOTATIONS / PRODUCT CODES



MATERIALS

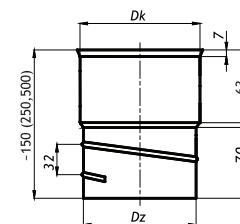
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	5	5	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

10. SINGLE WALLED FLEXIBLE PIPE SPIGOT-TYPE CONNECTOR ZST-N

PICTURE



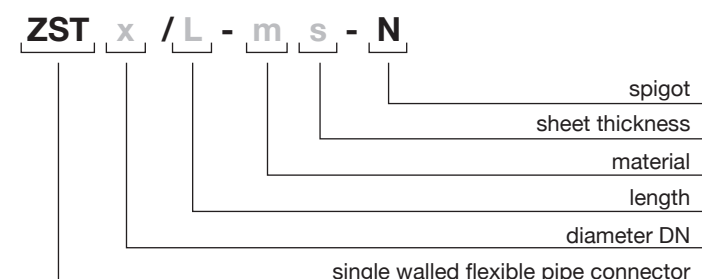
MEASUREMENTS



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	

DENOTATIONS / PRODUCT CODES



MATERIALS

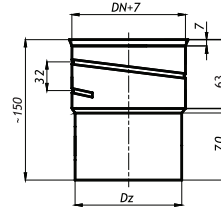
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	5	5	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

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

PICTURE



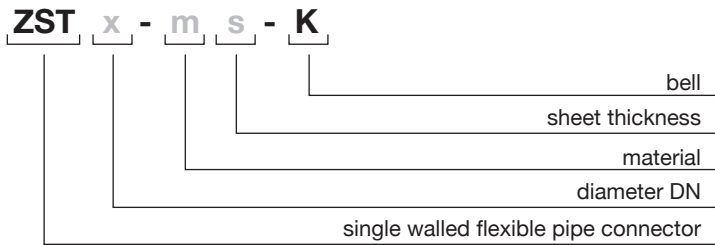
MEASUREMENTS



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	

DENOTATIONS / PRODUCT CODES



MATERIALS

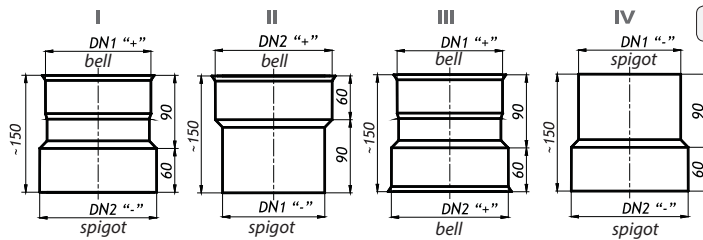
Destination	W	W	-	W -ventilation ducts
	S	-	-	-
Material	-	-	-	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	5	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

12. REDUCER (BELL-TYPE) RD-R

PICTURE



MEASUREMENTS

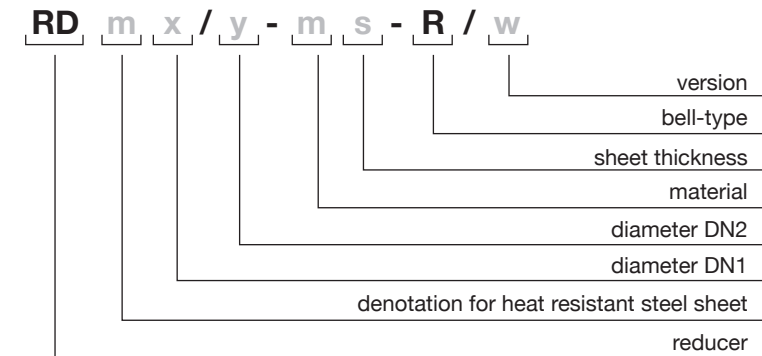


RD-R

Diameter differences range: DN2-DN1 ≤ 20 mm

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	
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	

DENOTATIONS / PRODUCT CODES



MATERIALS

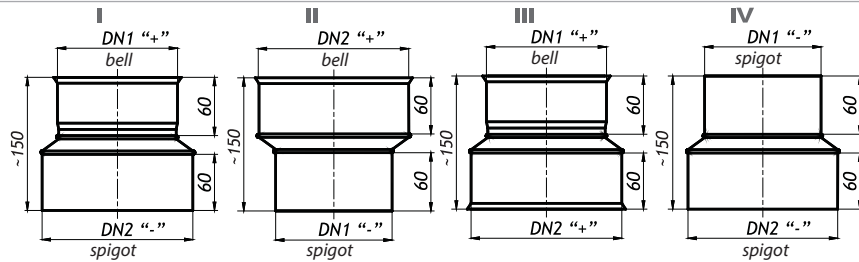
Destination	W	W	-	W -ventilation ducts
	S	-	-	-
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

13. REDUCER (SEGMENTED-TYPE) RD-S

PICTURE



MEASUREMENTS



RD-S

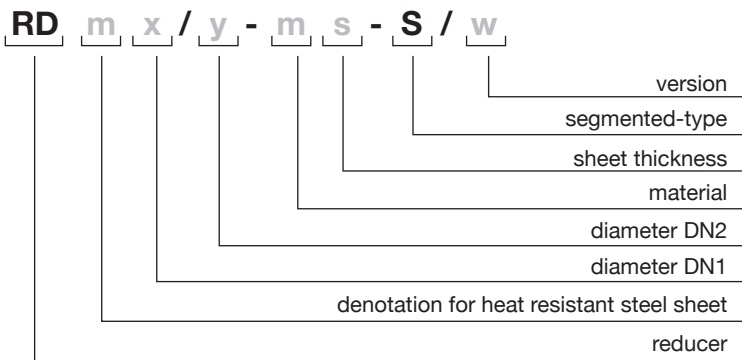
Diameter differences range: DN2-DN1 > 20 mm

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]	depends on measurements																

for s=0.6

DENOTATIONS / PRODUCT CODES

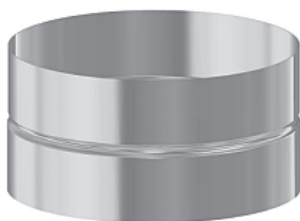
MATERIALS



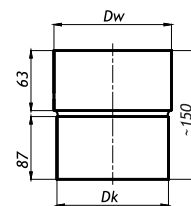
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

14. ADAPTER FOR DUOFLEX FLEXIBLE PIPE AD

PICTURE



MEASUREMENTS



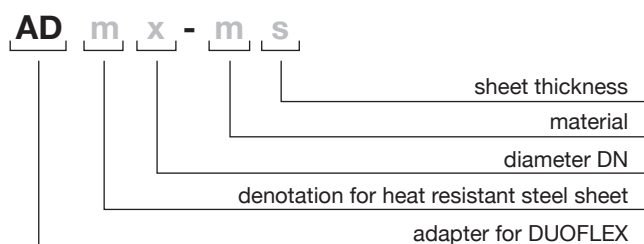
AD

Diameter DN	Ø130	Ø150	Ø180	Ø200	Ø225
Dk	133.9	153.0	183.4	202.3	227.8
Dw	138	158	188	208	233
Weight [kg]	0.50	0.60	0.70	0.75	0.85

for s=1.0

DENOTATIONS / PRODUCT CODES

MATERIALS



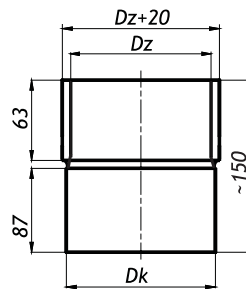
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	8	-	8	8 - Sheet thickness 0,8 mm
	1	-	1	1 - Sheet thickness 1,0 mm

15. REDUCING ADAPTER ADZR-Z1

PICTURE



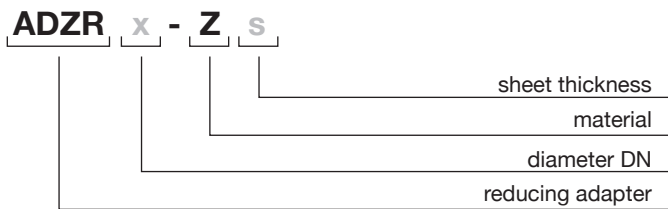
MEASUREMENTS



ADZR-Z1

Diameter DN	Ø130	Ø150	Ø180	Ø200	for s=1.0
Dk	133.9	153.0	183.4	202.3	
Dz	128	148	178	198	
Weight [kg]	0.50	0.60	0.70	0.75	

DENOTATIONS / PRODUCT CODES

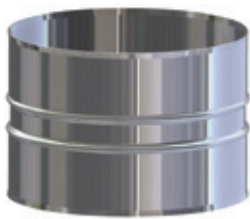


MATERIALS

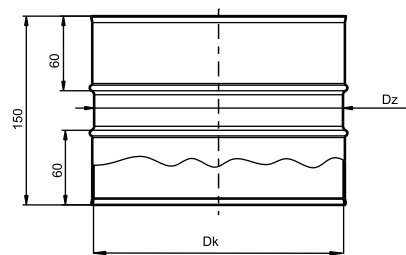
Destination	-	-	-	W - ventilation ducts
	-	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	-	X	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	-	8	8 - Sheet thickness 0,8 mm
	-	-	1	1 - Sheet thickness 1,0 mm

16. BELL- TYPE ADAPTER ZMU

PICTURE



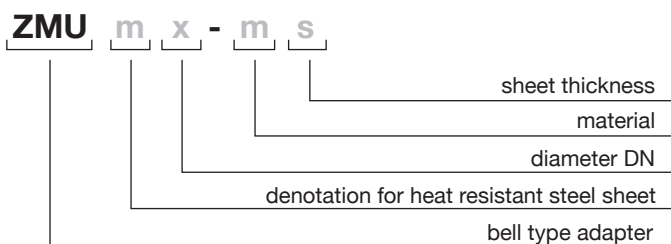
MEASUREMENTS



ZMU

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6
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	

DENOTATIONS / PRODUCT CODES



MATERIALS

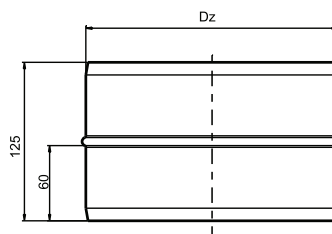
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	-	X	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	8	-	8	8 - Sheet thickness 0,8 mm
	1	-	1	1 - Sheet thickness 1,0 mm

17. SPIGOT-TYPE ADAPTER ZNY

PICTURE



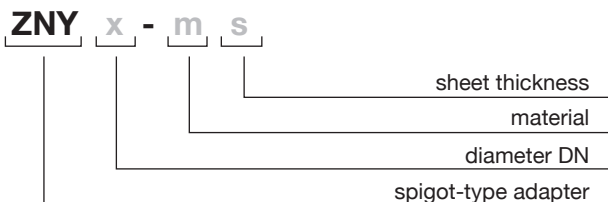
MEASUREMENTS



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	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	

DENOTATIONS / PRODUCT CODES

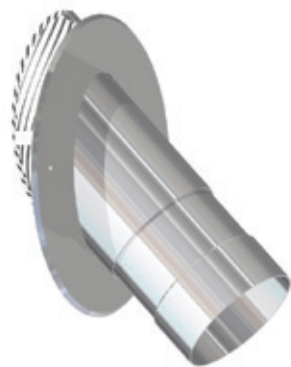


MATERIALS

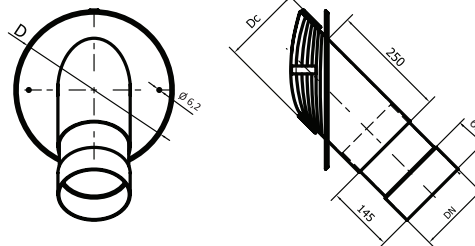
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	8	-	8	8 - Sheet thickness 0,8 mm
	1	-	1	1 - Sheet thickness 1,0 mm

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

PICTURE



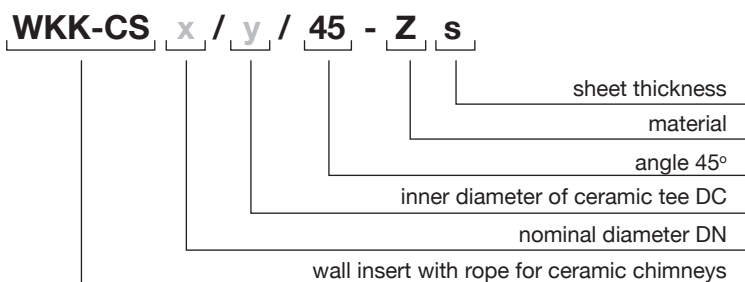
MEASUREMENTS



WKK-CS

DN	120	130	140	150	160	180	200	225
DC	140	150	160	170	180	200	220	250
Weight [kg]	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.45

DENOTATIONS / PRODUCT CODES



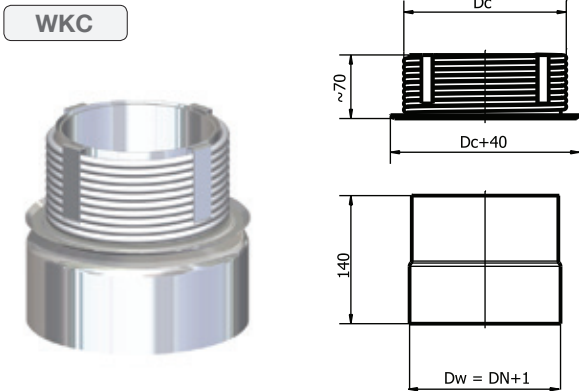
MATERIALS

Destination	-	-	-	W - ventilation ducts
	-	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	-	8	8 - Sheet thickness 0,8 mm
	-	-	1	1 - Sheet thickness 1,0 mm

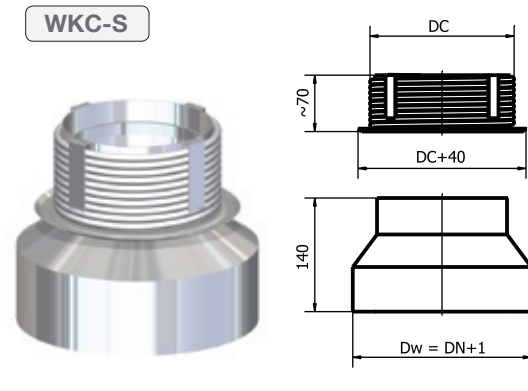
Angular wall insert allows to connect the stove to a chimney at 45° angle.

19. WALL INSERT FOR CERAMIC CHIMNEYS WKC

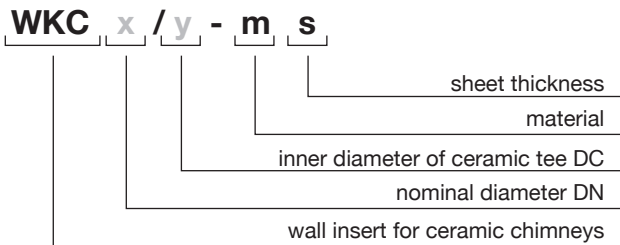
PICTURE



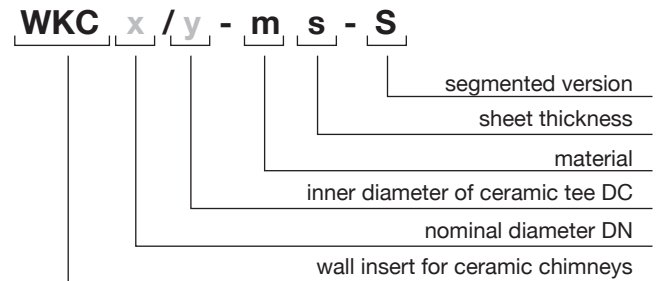
MEASUREMENTS



DENOTATIONS / PRODUCT CODES



DENOTATIONS / PRODUCT CODES



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

TABLE OF VERSIONS AND AVAILABLE DIAMETERS

		DC									
		Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	
DN	Ø120	WKC	WKC	WKC	WKC	WKC	WKC-S	WKC-S	WKC-S	WKC-S	
	Ø130	WKC-S	WKC	WKC	WKC	WKC	WKC-S	WKC-S	WKC-S	WKC-S	
	Ø140	WKC-S	WKC-S	WKC	WKC	WKC	WKC	WKC-S	WKC-S	WKC-S	
	Ø150	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC	WKC-S	WKC-S	WKC-S	
	Ø160	WKC-S	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC	WKC-S	WKC-S	
	Ø180	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC	WKC-S	
	Ø200	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC	WKC	WKC-S	
	Ø225	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC	WKC	
	Ø250	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC-S	WKC	

MATERIALS

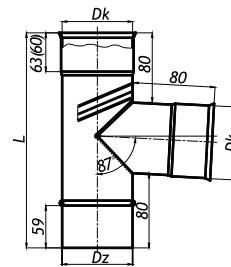
Destination	-	-	-	W - ventilation ducts
	-	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	-	8	8 - Sheet thickness 0,8 mm
	-	-	1	1 - Sheet thickness 1,0 mm

20. Tee 90° TR/90

PICTURE



MEASUREMENTS

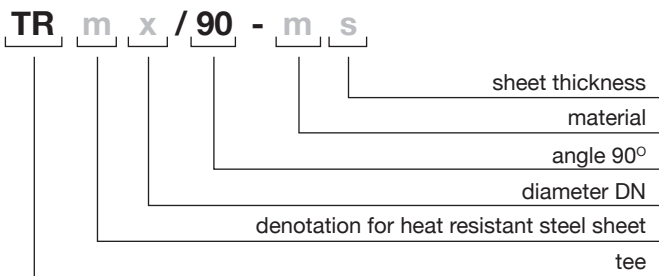


TR/90

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]	315	340	355	375	385	390	415	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	

DENOTATIONS / PRODUCT CODES

MATERIALS



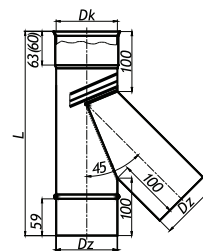
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

21. Tee 45° TR/45

PICTURE



MEASUREMENTS

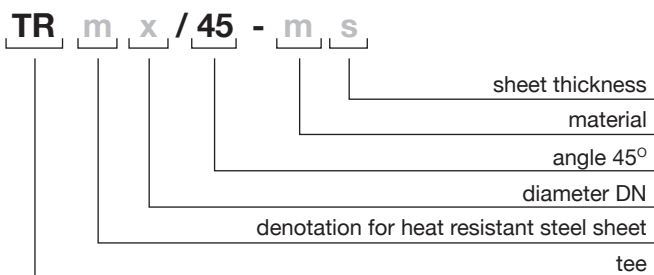


TR/45

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	355	375	385	390	415	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	

DENOTATIONS / PRODUCT CODES

MATERIALS



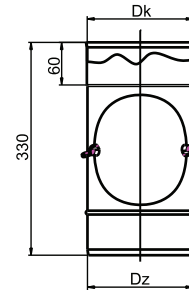
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

22. STRAIGHT PIPE Z WITH REVISION RPR

PICTURE



MEASUREMENTS

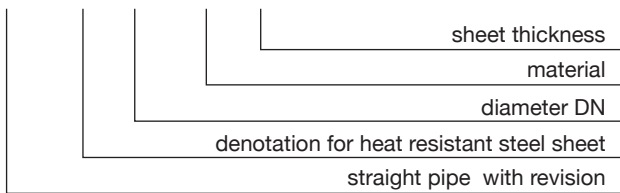


RPR

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	
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	

DENOTATIONS / PRODUCT CODES

RPR m x - m s

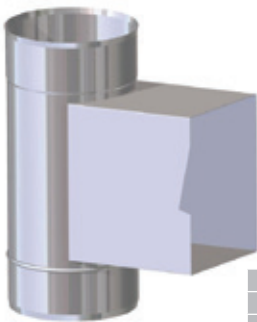


MATERIALS

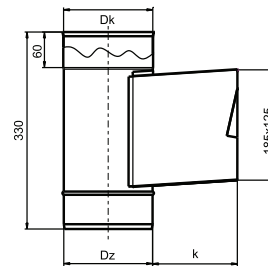
Destination	W	W	-	W - ventilation ducts
	S	-	-	S
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
1	1	1	1 - Sheet thickness 1,0 mm	

23. CLEAN OUT OF ELEMENT WC

PICTURE



MEASUREMENTS

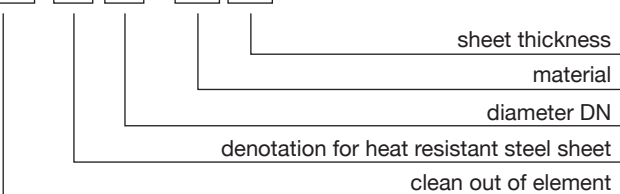


WC

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	
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	

DENOTATIONS / PRODUCT CODES

WC m x - m s

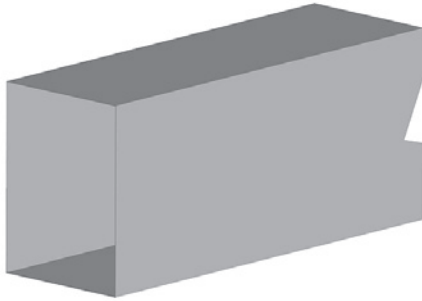


MATERIALS

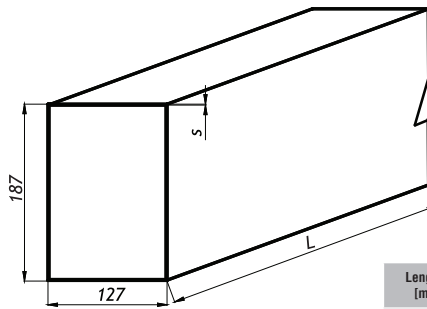
Destination	W	W	-	W - ventilation ducts
	S	-	-	S
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
1	1	1	1 - Sheet thickness 1,0 mm	

24. CLEAN OUT ELEMENT EXTENSION PW

PICTURE



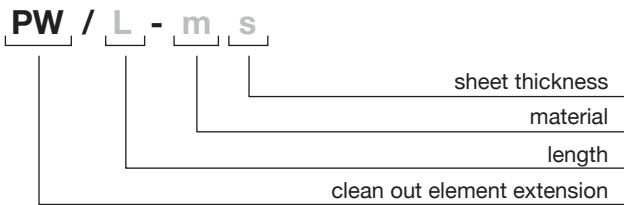
MEASUREMENTS



PW

Length L [mm]	200	300	500	1000	for s=0,6
Weight [kg]	0.60	0.90	1.50	2.95	

DENOTATIONS / PRODUCT CODES



MATERIALS

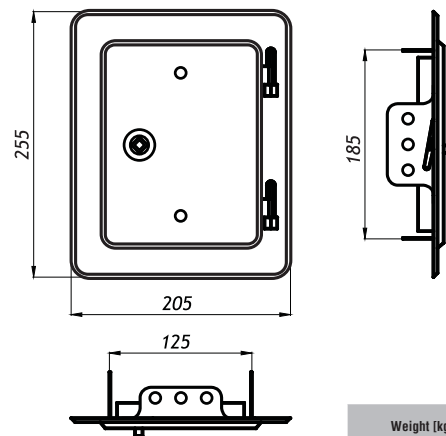
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

25. DOORS DW

PICTURE



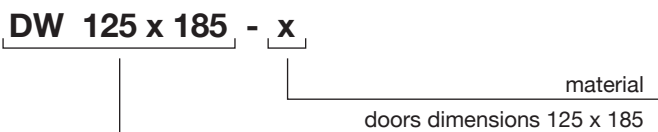
MEASUREMENTS



DW

Weight [kg]	0.6
-------------	-----

DENOTATIONS / PRODUCT CODES



MATERIALS

Destination	-	W	-	W - ventilation ducts
	-	S	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	-	8	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

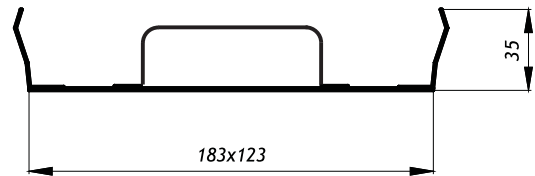
26. CLEAN OUT ELEMENT PLUG ZWC

PICTURE



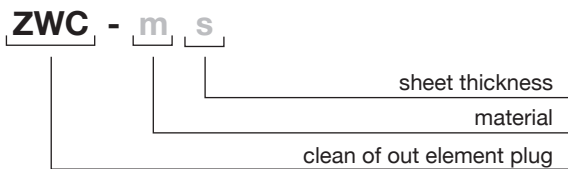
MEASUREMENTS

ZWC



Weight [kg]	0.14	for s = 0.6
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DENOTATIONS / PRODUCT CODES



MATERIALS

Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	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

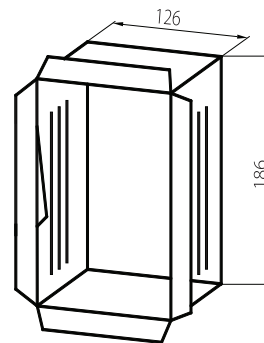
27. DRAUGHT REGULATOR DOOR FRAME RCW RM-DW

PICTURE



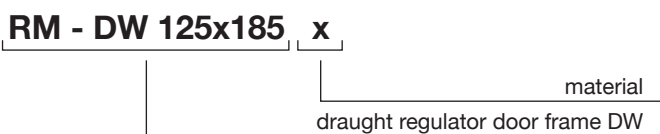
MEASUREMENTS

RM-DW



Weight [kg]	0.50
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DENOTATIONS / PRODUCT CODES

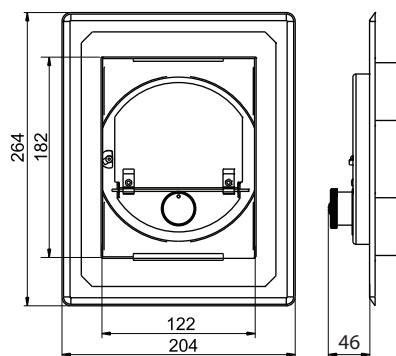


MATERIALS

Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	X	X	X	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

28. DRAUGHT REGULATOR TO DARCO CLEAN OUT ELEMENT RCW

PICTURE



MEASUREMENTS

RCW

Lp	Name	Value	
1	Group	5	
2	Norm	DIN 4795	
3	Underpressure range [Pa]	10 ÷ 35	
4	Max. fumes temp. [°C]	400	
5	Chimney parameters (chimney height not bigger than 20 m)	Max. chimney duct cross-section [cm ²]	Max diameter of a round chimney duct[cm]
	I and II insulation class	500	25
	III insulation class	750	31

Weight [kg] 0.80

DENOTATIONS / PRODUCT CODES

MATERIALS

RCW

draught regulator to DARCO clean out element

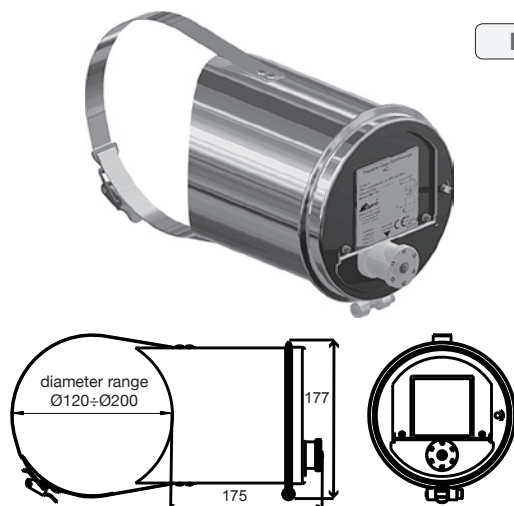
NOTICE!

Mounting of the RCW regulator requires usage of the RM-DW door frame

Destination	-	W	-	W - ventilation ducts
	-	S	-	S - flue ducts
	-	D	-	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828

29. ON PIPE MOUNTED DRAUGHT REGULATOR RCR

PICTURE



RCR

MEASUREMENTS

Lp	Name	Value	
1	Group	5	
2	Norm	DIN 4795	
3	Underpressure range [Pa]	10 ÷ 35	
4	Max. fumes temp. [°C]	400	
5	Chimney parameters (chimney height not bigger than 20 m)	Max. chimney duct cross-section [cm ²]	Max diameter of a round chimney duct[cm]
	I and II insulation class	500	25
	III insulation class	750	31

Weight [kg] 0.80

DENOTATIONS / PRODUCT CODES

MATERIALS

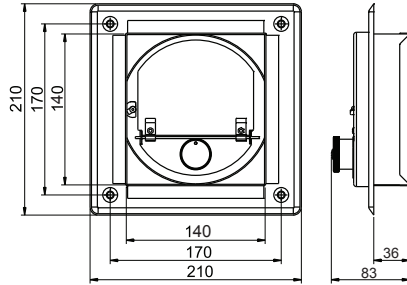
RCR

on pipe mounted draught regulator

Destination	-	W	-	W - ventilation ducts
	-	S	-	S - flue ducts
	-	D	-	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828

30. RECTANGULAR DRAUGHT REGULATOR RCP

PICTURE



MEASUREMENTS

RCP

Lp	Name	Value	
1	Group	5	
2	Norm	DIN 4795	
3	Underpressure range [Pa]	10 ÷ 35	
4	Max. fumes temp. [°C]	400	
5	Chimney parameters (chimney height not bigger than 20 m)	Max. chimney duct cross-section [cm ²]	Max. diameter of a round chimney duct [cm]
	I and II insulation class	500	25
	III insulation class	750	31

Weight [kg] 0.80

DENOTATIONS / PRODUCT CODES

MATERIALS

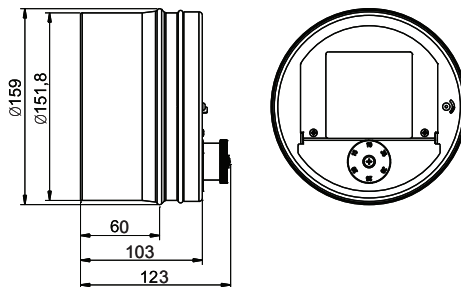
RCP

rectangular draught regulator

Destination	-	W	-	W - ventilation ducts
	-	S	-	S - flue ducts
	-	D	-	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828

31. ROUND DRAUGHT REGULATOR RCO

PICTURE



MEASUREMENTS

RCO

Lp	Name	Value	
1	Group	5	
2	Norm	DIN 4795	
3	Underpressure range [Pa]	10 ÷ 35	
4	Max. fumes temp. [°C]	400	
5	Chimney parameters (chimney height not bigger than 20 m)	Max. chimney duct cross-section [cm ²]	Max. diameter of a round chimney duct [cm]
	I and II insulation class	500	25
	III insulation class	750	31

Weight [kg] 0.70

DENOTATIONS / PRODUCT CODES

MATERIALS

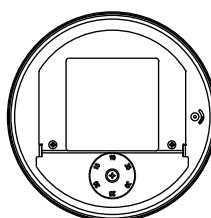
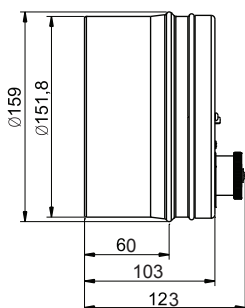
RCO

round draught regulator

Destination	-	W	-	W - ventilation ducts
	-	S	-	S - flue ducts
	-	D	-	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828

32. ROUND DRAUGHT REGULATOR WITH ANTI-EXPLOSION SYSTEM RCO-EX

PICTURE



MEASUREMENTS

RCO-EX

Lp	Name	Value	
1	Group	5	
2	Norm	DIN 4795	
3	Underpressure range [Pa]	10 ÷ 35	
4	Max. fumes temp. [°C]	400	
5	Chimney parameters (chimney height not bigger than 20 m)	Max. chimney duct cross-section [cm ²]	Max. diameter of a round chimney duct [cm]
	I and II insulation class	500	25
	III insulation class	750	31

Weight [kg]	0.70
--------------------	------

DENOTATIONS / PRODUCT CODES

MATERIALS

RCO-EX

round draught regulator with anti-explosion system

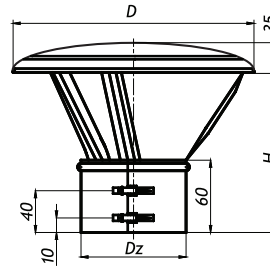
Destination	-	W	-	W - ventilation ducts
	-	S	-	S - flue ducts
	-	D	-	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828

33. CHIMNEY CAP DK

PICTURE



MEASUREMENTS

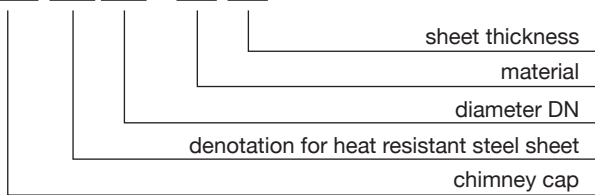


DK

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	220	220	290	290	290	290	350	
H	130	140	140	140	140	160	160	160	160	180	
Weight [kg]	0.30	0.33	0.34	0.35	0.36	0.37	0.51	0.52	0.54	0.56	

DENOTATIONS / PRODUCT CODES

DK m x - m s



MATERIALS

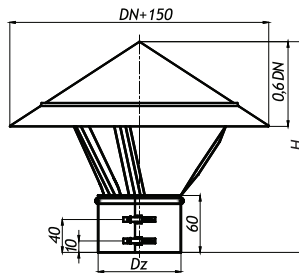
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	-	8	8	8 - Sheet thickness 0,8 mm
	-	-	1	1 - Sheet thickness 1,0 mm
	-	-	-	-

34. CHIMNEY CAP DK

PICTURE



MEASUREMENTS

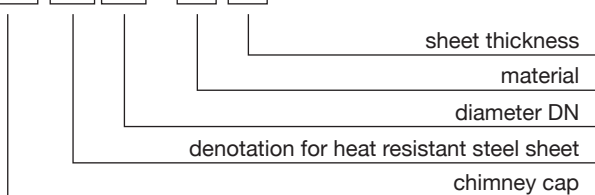


DK

Diameter DN	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6
Dz	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	

DENOTATIONS / PRODUCT CODES

DK m x - m s



MATERIALS

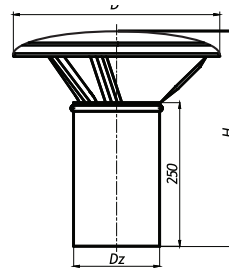
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	-	-	1	1 - Sheet thickness 1,0 mm
	-	-	-	-

35. SINGLE WALLED FLEXIBLE PIPE CAP DKST

PICTURE



MEASUREMENTS



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	220	220	220	220	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	

DENOTATIONS / PRODUCT CODES

DKST **x** - **CH**



MATERIALS

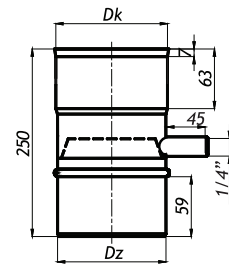
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	-	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

36. VERTICAL DRAIN BOWL MSP

PICTURE



MEASUREMENTS

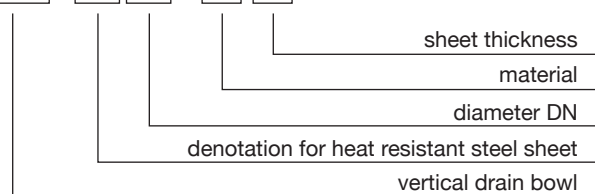


MSP

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6
Dz	80.1	100.8	112.0	123.1	132.7	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	

DENOTATIONS / PRODUCT CODES

MSP **m** **x** - **m** **s**



MATERIALS

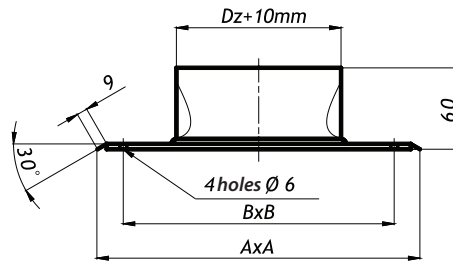
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

37. ROOF PLATE PD

PICTURE



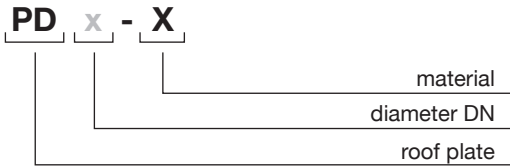
MEASUREMENTS



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	300	330	350	400	450	500	550	600	650	
B [mm]	200	200	200	200	200	200	250	250	250	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	0.50	0.60	0.65	0.80	0.95	1.10	1.25	1.40	1.55	

DENOTATIONS / PRODUCT CODES



MATERIALS

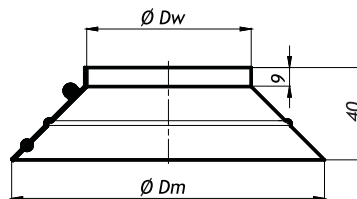
Destination elementu	-	W	-	W - ventilation plate
	-	S	-	S - flue ducts
	-	D	-	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness blachy s	-	-	-	5 - Sheet thickness 0,5 mm
	-	6	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

38. RAIN COLLAR KPD

PICTURE



MEASUREMENTS



KPD

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)
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	300.4	349.7	400.7	450.0	501.0	
Dm [mm]	151	172	183	194	204	212	223	232	253	272	326	350	400	450	501	550	601	
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	0.36	0.41	0.45	0.50	0.54	

DENOTATIONS / PRODUCT CODES

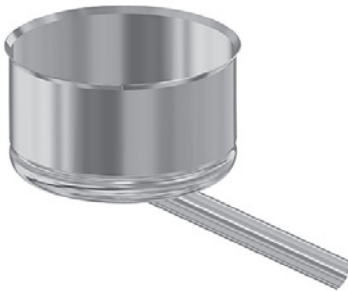


MATERIALS

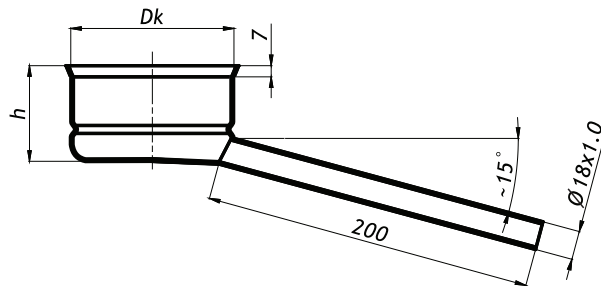
Destination	-	W	-	W - ventilation ducts
	-	S	-	S - flue ducts
	-	D	-	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	6	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

39. CONDENSATE DRAIN BOWL MS

PICTURE



MEASUREMENTS

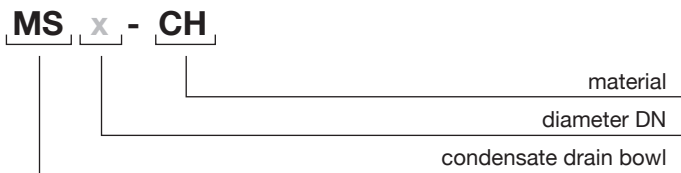


MS

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6
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	

DENOTATIONS / PRODUCT CODES

MATERIALS



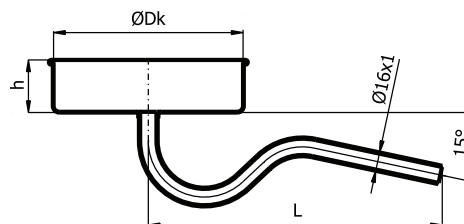
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	D	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
	-	-	-	

40. CONDENSATE DRAIN BOWL WITH SIPHON MSF

PICTURE



MEASUREMENTS

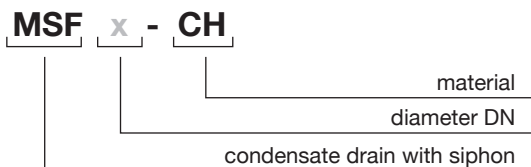


MSF

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6
Dk [mm]	81	102	113	123	134	142	152	166	183	202	228	253	303	355	404	453	504	
A [mm]	230	230	230	230	230	230	260	260	260	upon 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	

DENOTATIONS / PRODUCT CODES

MATERIALS



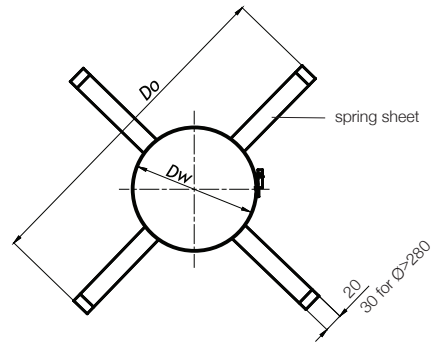
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	D	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
	-	-	-	

41. STABILIZING BRACKET OU

PICTURE



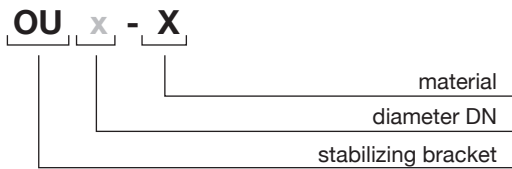
MEASUREMENTS



OU

Diameter DN	Ø60	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6 (0.5)
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	

DENOTATIONS / PRODUCT CODES

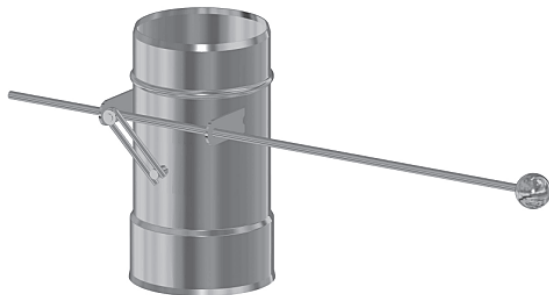


MATERIALS

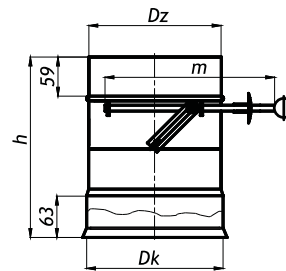
Destination	-	W	-	W - ventilation ducts
	-	S	-	S - flue ducts
	-	D	-	D - smoke ducts
Material	-	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828

42. CHIMNEY DAMPER SZK

PICTURE



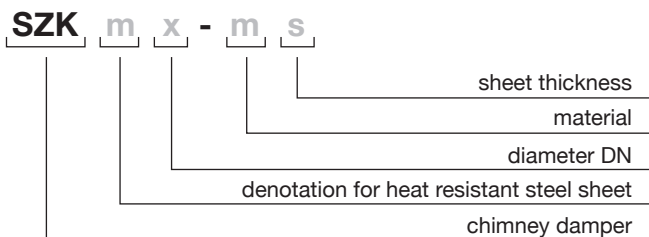
MEASUREMENTS



SZK

Diameter DN	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	for s=1.0
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	

DENOTATIONS / PRODUCT CODES



MATERIALS

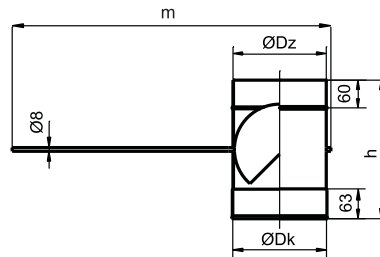
Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	8	-	8	8 - Sheet thickness 0,8 mm
	1	-	1	1 - Sheet thickness 1,0 mm

43. SIMPLIFIED CHIMNEY DAMPER SZK-REG

PICTURE



MEASUREMENTS



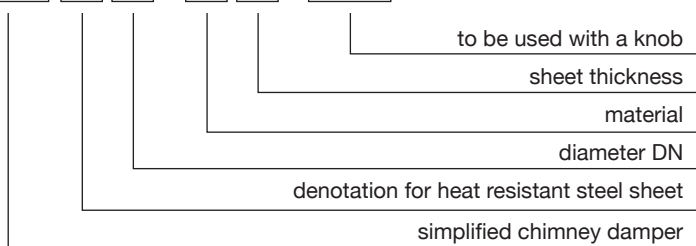
SZK-REG

Diameter DN	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	for s=1.0
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	

DENOTATIONS / PRODUCT CODES

MATERIALS

SZK **m** **x** - **m** **s** - **REG**



Destination	W	-	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	-	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	8	-	8	8 - Sheet thickness 0,8 mm
	1	-	1	1 - Sheet thickness 1,0 mm

ADDITIONAL ACCESORIES

AVAILABLE DAMPER KNOBS



SZK-REG



SZK-REG-LIGHT

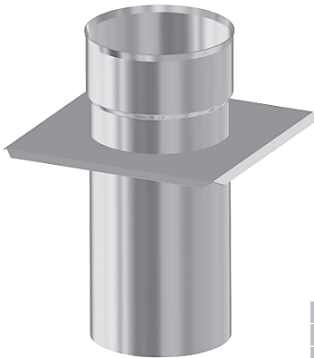
FLEXIBLE SHAFT



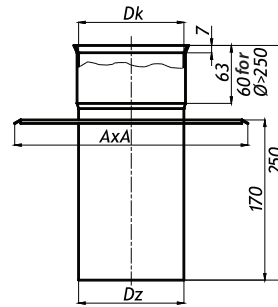
SZK-REG-WG

44. INTERMEDIATE SUPPORT PP

PICTURE



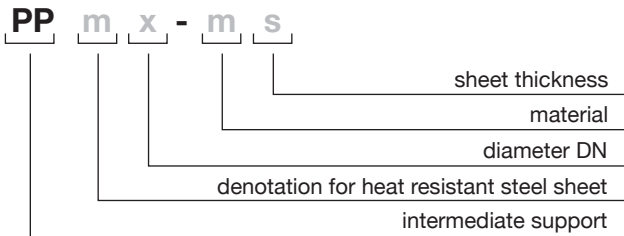
MEASUREMENTS



PP

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6
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	250	300	300	300	350	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	

DENOTATIONS / PRODUCT CODES

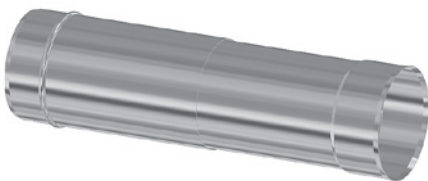


MATERIALS

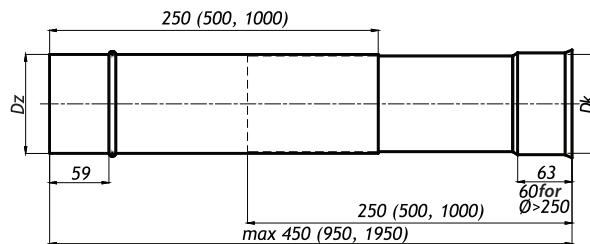
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
1	1	1	1 - Sheet thickness 1,0 mm	

45. TELESCOPIC PIPE RT

PICTURE



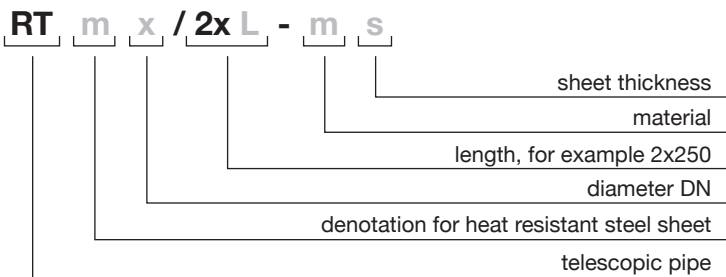
MEASUREMENTS



RT

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6 L=2x250
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	

DENOTATIONS / PRODUCT CODES



MATERIALS

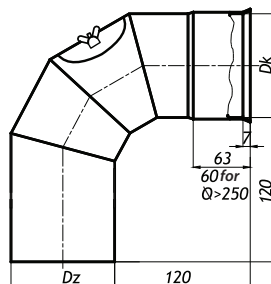
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
Material	-	-	D	D - smoke ducts
	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	-	-	Z	Z - heat resistant steel 1.4828
	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
1	1	1	1 - Sheet thickness 1,0 mm	

46. SOLID ELBOW 90° WITH REVISION KSR/90

PICTURE



MEASUREMENTS



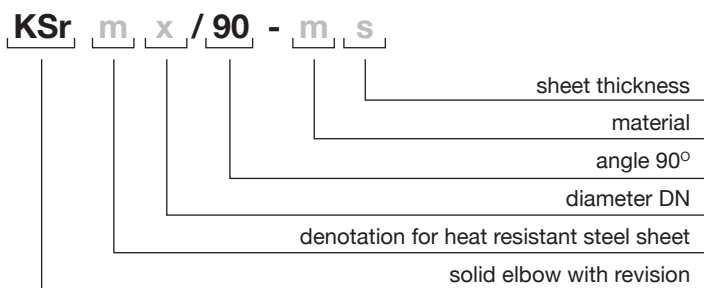
KSr/90

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

DENOTATIONS / PRODUCT CODES

MATERIALS



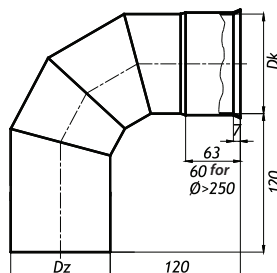
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

47. SOLID ELBOW 90° KS/90

PICTURE



MEASUREMENTS



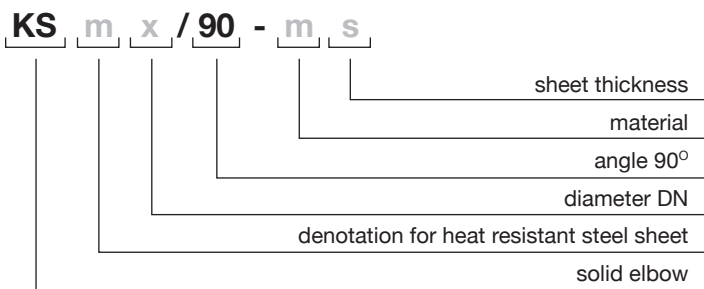
KS/90

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

DENOTATIONS / PRODUCT CODES

MATERIALS



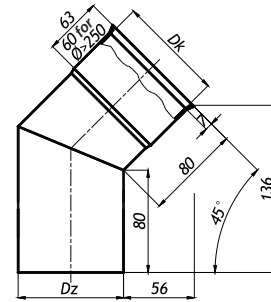
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

48. SOLID ELBOW 45° KS/45

PICTURE



MEASUREMENTS

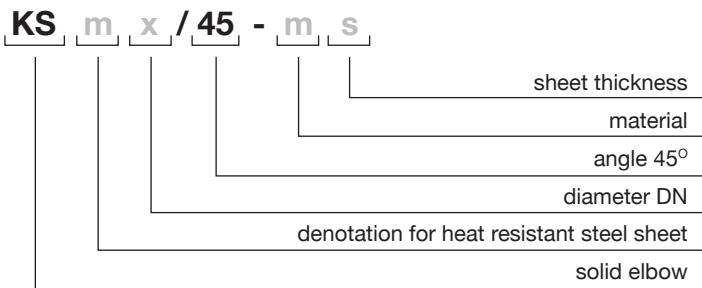


KS/45

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6
Dz [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	

DENOTATIONS / PRODUCT CODES

MATERIALS



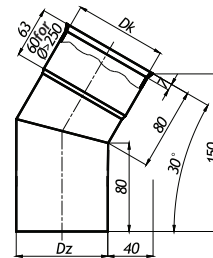
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

49. SOLID ELBOW 30° KS/30

PICTURE



MEASUREMENTS

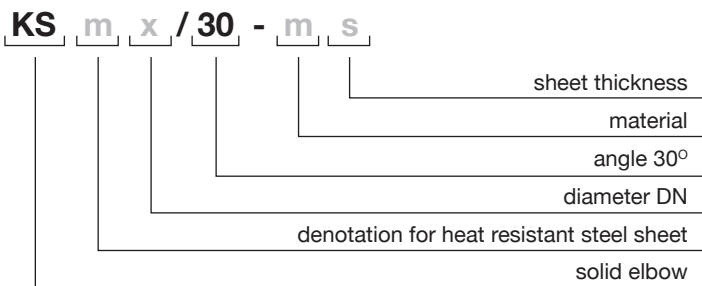


KS/30

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0.6
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	

DENOTATIONS / PRODUCT CODES

MATERIALS



Destination	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	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

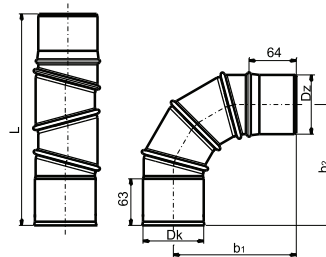
50. AIR TIGHT ADJUSTABLE ELBOW 90° KNU/90

PICTURE



CAUTION:
Elbow equipped with special seals on all segment connections. That assures perfect tightness in all positions.

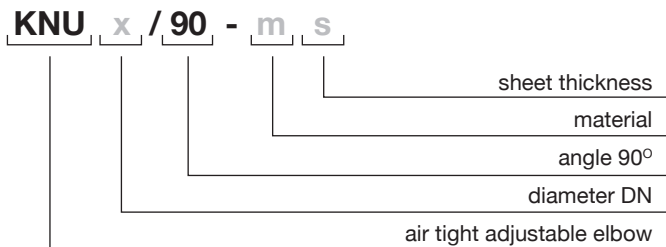
MEASUREMENTS



KNU/90

Diameter DN	Ø80	Ø100	Ø110	Ø120	Ø130	Ø150	Ø180	Ø200	for s=0,5
Dz [mm]	80,2	100,9	112	123,1	132,7	150,8	182	201,1	
Dk [mm]	81	101,9	113	124,1	133,7	152,8	183	202,1	
b ₁ [mm]	166	182	187	204	201	223	238	247	
b ₂ [mm]	164	180	184	202	200	221	236	245	
L [mm]	286	312	318	348	345	383	395	415	
Weight [kg]	0,27	0,37	0,42	0,49	0,53	0,79	0,95	1,15	

DENOTATIONS / PRODUCT CODES



MATERIALS

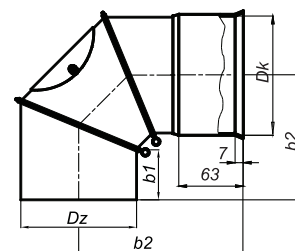
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
Sheet thickness s	5	5	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

51. ADJUSTABLE ELBOW WITH FASTENING CLAMPS AND REVISION 90° KNSr/90-3 SEG

PICTURE



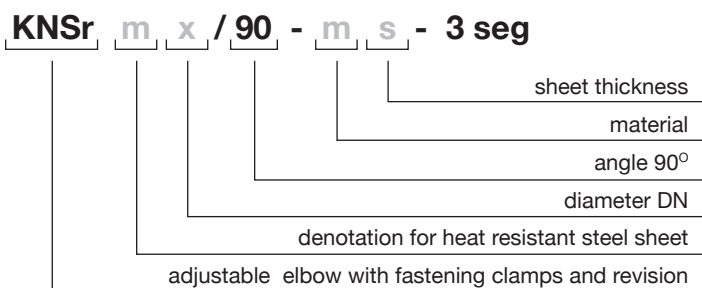
MEASUREMENTS



KNSr/90

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	
b ₁ [mm]	70	70	70	70	70	70	70	70	70	
b ₂ [mm]	205	205	210	210	205	205	220	205	220	
Weight [kg]	0,62	0,66	0,74	0,80	0,97	1,10	1,21	1,36	1,82	

DENOTATIONS / PRODUCT CODES

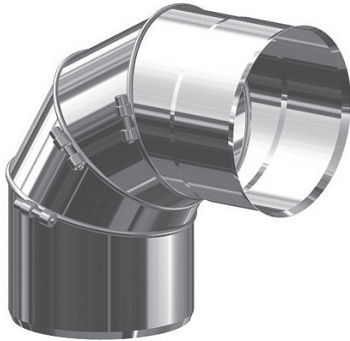


MATERIALS

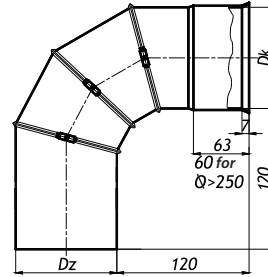
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	-	-	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

52. ADJUSTABLE ELBOW WITH FASTENING CLAMPS 90° KNS/90 (Ø120÷Ø250)-4 SEGMENTS

PICTURE



MEASUREMENTS

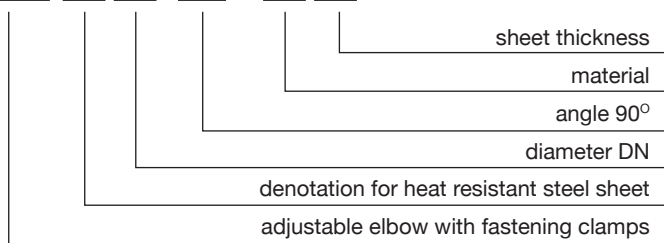


KNS/90

Diameter DN	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	for s=0,6
Dz [mm]	226.7	252.2	301.6	350.9	401.9	451.2	502.2	226.7	252.2	
Dk [mm]	227.7	253.2	302.6	351.9	402.9	452.2	503.2	227.7	253.2	
Weight [kg]	0.62	0.66	0.74	0.80	0.97	1.10	1.21	1.36	1.82	

DENOTATIONS / PRODUCT CODES

KNS m x / 90 - m s - 4seg



MATERIALS

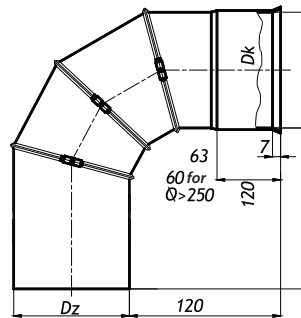
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	-	-	-	8 - Sheet thickness 0,8 mm
	-	-	-	1 - Sheet thickness 1,0 mm

53. ADJUSTABLE ELBOW WITH FASTENING CLAMPS 90° KNS/90 (Ø300÷Ø500)-4 SEGMENTS

PICTURE



MEASUREMENTS

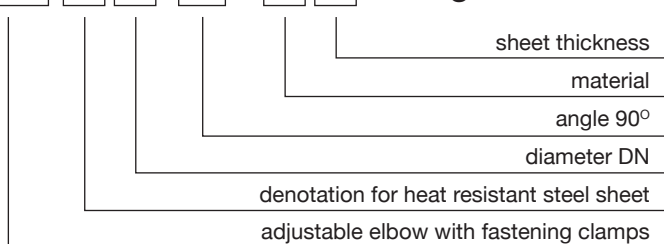


KNS/90

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	

DENOTATIONS / PRODUCT CODES

KNS m x / 90 - m s - 4seg



MATERIALS

Destination elementu	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	-	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	-	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 - Sheet thickness 1,0 mm

54. ADJUSTABLE ELBOW WITH FASTENING CLAMP 45° KNS/45 (Ø120÷Ø500)

PICTURE

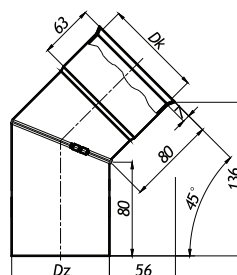


for diameters Ø120÷Ø250



for diameters Ø300÷Ø500

MEASUREMENTS

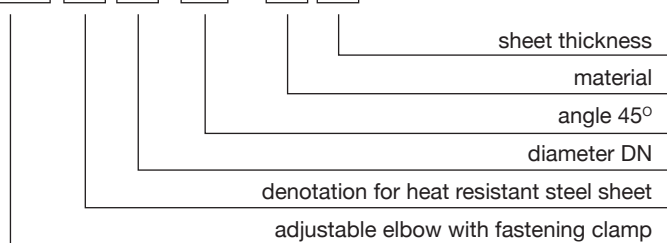


KNS/45

Diameter DN	Ø120	Ø130	Ø140	Ø150	Ø160	Ø180	Ø200	Ø225	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500	for s=0,6
Dz [mm]	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]	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]	0.45	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	

DENOTATIONS / PRODUCT CODES

KNS **m** **x** / **45** - **m** **s**



MATERIALS

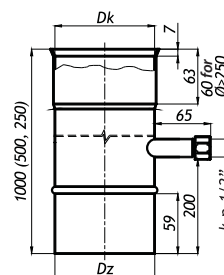
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

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

PICTURE



MEASUREMENTS

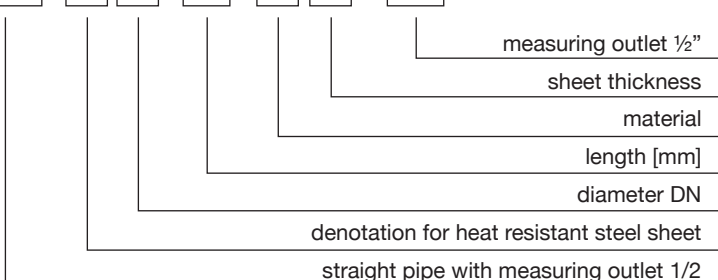


ROP-1/2

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	
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	

DENOTATIONS / PRODUCT CODES

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



MATERIALS

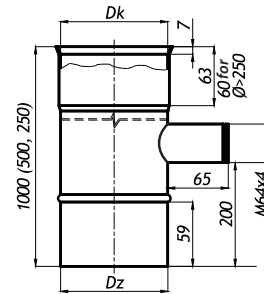
Destination	W	W	-	W - ventilation ducts
	S	-	-	-
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

56. STRAIGHT PIPE WITH MEASURING OUTLET M64X4 ROP-64

PICTURE



MEASUREMENTS

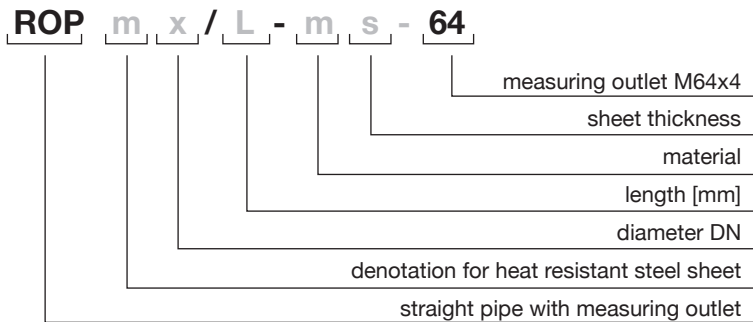


ROP-64

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	
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	

DENOTATIONS / PRODUCT CODES

MATERIALS



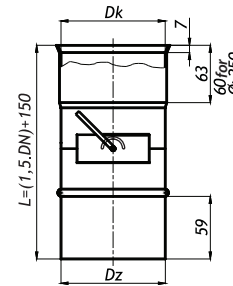
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

57. STRAIGHT PIPE WITH A DAMPER RPP

PICTURE



MEASUREMENTS

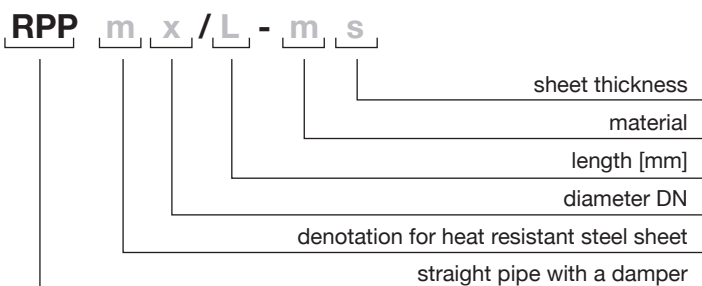


RPP

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	
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	

DENOTATIONS / PRODUCT CODES

MATERIALS



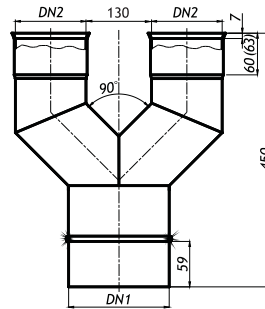
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

58. REDUCING TEE YR

PICTURE



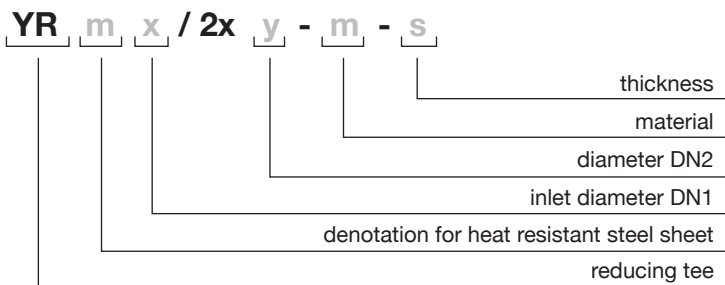
MEASUREMENTS



YR

Diameter DN1	Ø180	Ø200	Ø225		
Diameter DN2	Ø110	Ø120	Ø130	Ø140	Ø150

DENOTATIONS / PRODUCT CODES

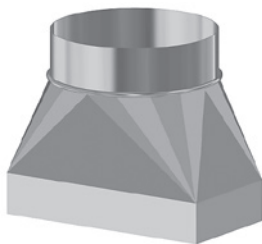


MATERIALS

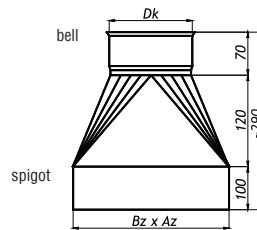
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	-	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

59. SEGMENTED REDUCER RD-K

PICTURE



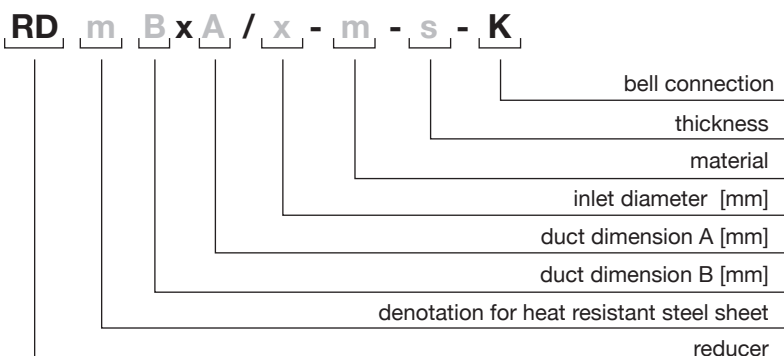
MEASUREMENTS



RD-K

Diameter DN	Ø150	Ø160	Ø170	Ø180	Ø190	Ø200	Ø210	Ø225	Ø250	Ø300	for s=0,6
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	

DENOTATIONS / PRODUCT CODES

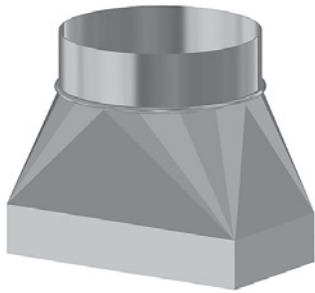


MATERIALS

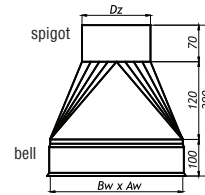
Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

60. SEGMENTED REDUCER RD-N

PICTURE



MEASUREMENTS



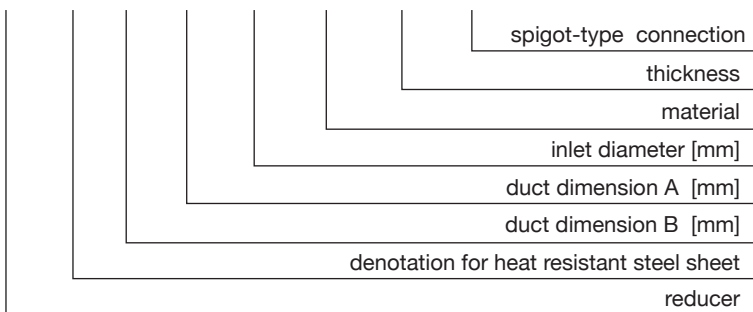
RD-N

Diameter DN	Ø150	Ø160	Ø170	Ø180	Ø190	Ø200	Ø210	Ø225	Ø250	Ø300	for s=0.6
Dz [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	

DENOTATIONS / PRODUCT CODES

MATERIALS

RD m B x A / x - m - s - N



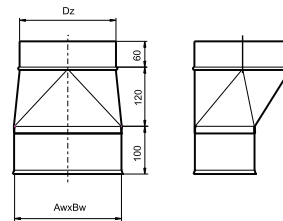
Destination	W	W	-	W - ventilation ducts
	S	-	-	S
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

61. SEGMENTED REDUCER RD-NS - ASYMMETRICAL

PICTURE



MEASUREMENTS



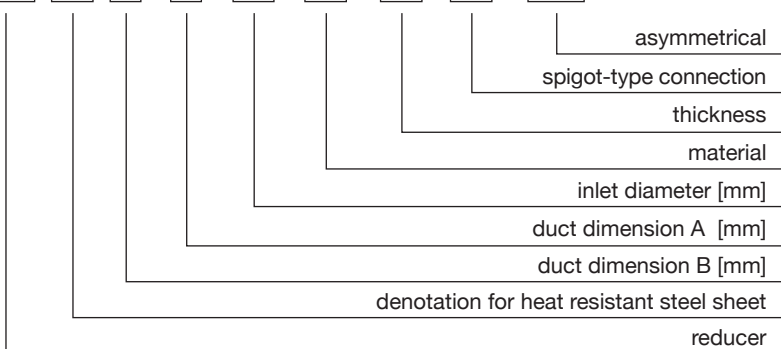
RD-NS

Diameter DN	Ø150	Ø160	Ø170	Ø180	Ø190	Ø200	Ø210	Ø225	Ø250	Ø300	for s=0.6
Dz [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	

DENOTATIONS / PRODUCT CODES

MATERIALS

RD m B x A / x - m - s - N - NS



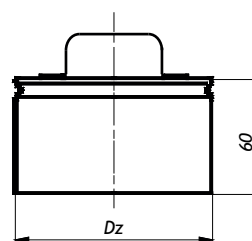
Destination	W	W	-	W - ventilation ducts
	S	-	-	S
	-	-	D	D - smoke ducts
Material	CH	-	-	CH - stainless steel 1.4404
	-	X	-	X - stainless steel 1.4301
	-	-	Z	Z - heat resistant steel 1.4828
Sheet thickness s	5	-	-	5 - Sheet thickness 0,5 mm
	6	6	-	6 - Sheet thickness 0,6 mm
	8	8	8	8 - Sheet thickness 0,8 mm
	1	1	1	1 - Sheet thickness 1,0 mm

62. TEE PLUG ZT N/K

PICTURE



MEASUREMENTS

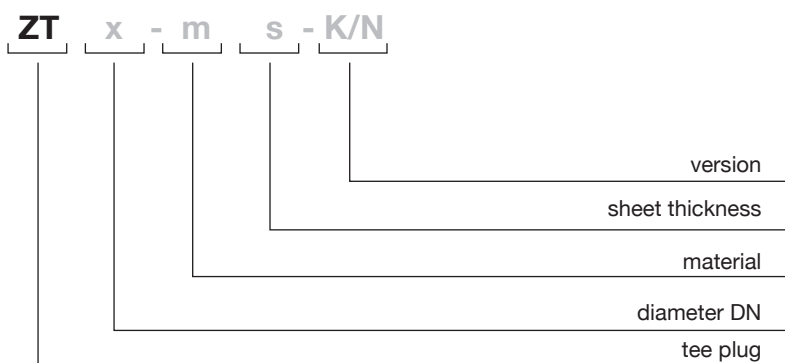


ZT-N/K

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	

DENOTATIONS / PRODUCT CODES

MATERIALS



Destination	W	W	-	W - ventilation ducts
	S	-	-	S - flue ducts
	-	-	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