

Chimney connections for pellet stoves <SPP>

Chimney connections for pellet stoves are made of mild steel sheet type DC01, thickness 1.2 mm. Their application is smoke extraction from pellet stoves, where fumes temperature can rise to 250°C. Maximum working temperature: 250°C.

Bell joint pipe connection

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 connection is characterized by very tight and stiff construction. It also assures proper flow of condensate. In order to prevent fumes from leaking out, special silicone seals are used in the bell joint of the pipe. Usage of a special seal made of silicone, which is applied in the middle of the bell, secures tightness of the system by positive pressure of fumes up to 200Pa.

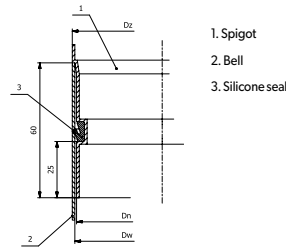


Fig. Method of joining chimney connection pipe elements



CE 1450

Table of layouts and sizes

Diameter DN	Dz	Dw	Dn
80	80.1	77.7	76
100	100.2	97.8	96

Measurements

Dz - outer diameter of pipe [mm]
Dw - inner diameter of pipe [mm]
Dn - inner diameter of spigot [mm]

Destination

D - smoke ducts

Model of application of elements

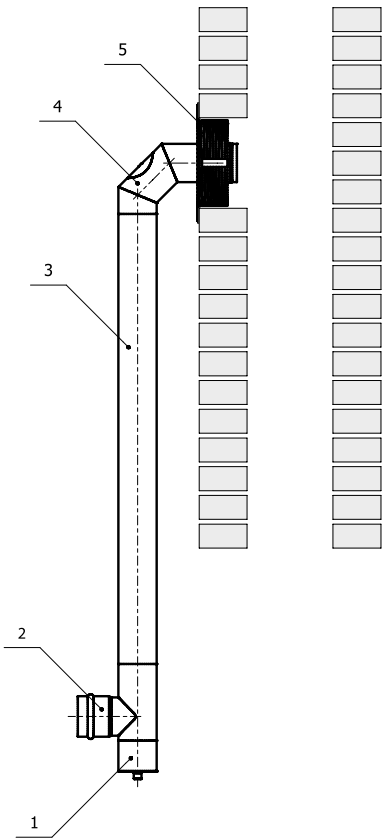
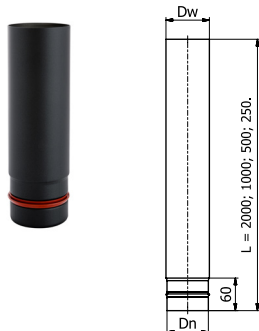


Fig. Example of chimney connection SPP system

No	Name	Denotation
1	Drain bowl	MS80-CZ1,2SP
2	Tee 90°	TR80/90-CZ1,2SP
3	Straight pipe 1000 [mm]	RP80/100-CZ1,2SP
4	Solid elbow 90°	KS80/90-CZ1,2SP
5	Rosette	ROZ80-CZ1,2SP

1. STRAIGHT PIPE 2000, 1000, 500, 250 [mm] RP



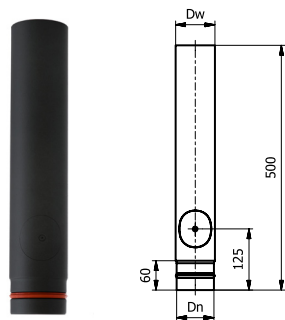
Length L	2000		1000		500		250	
Diameter DN	ø80	ø100	ø80	ø100	ø80	ø100	ø80	ø100
Dw	77.7	97.8	77.7	97.8	77.7	97.8	77.7	97.8
Dn	76.0	96.1	76.0	96.1	76.0	96.1	76.0	96.1
Weight [kg]	4.80	5.90	2.40	2.95	1.20	1.50	0.60	0.75

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

RP x / L - CZ 1,2SP

sheet thickness
material
length w [m]
nominal diameter DN
straight pipe

2. STRAIGHT PIPE WITH REVISION RPR



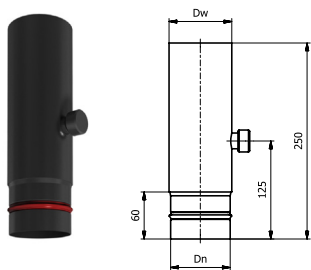
RPR x / 0,50 - CZ 1,2SP

sheet thickness
material
length
nominal diameter DN
straight pipe

Diameter DN	ø80	ø100
Dw	77.7	97.8
Dn	76.0	96.1
Weight [kg]	1.30	1.60

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

3. STRAIGHT PIPE WITH MEASURING OUTLET ROP



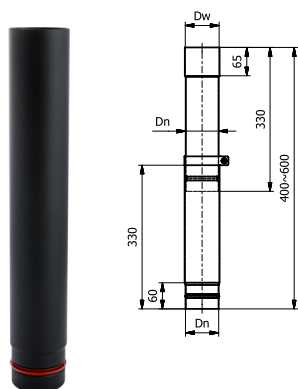
ROP x / 0,25 - CZ 1,2SP

sheet thickness
material
length
nominal diameter DN
straight pipe

Diameter DN	ø80	ø100
Dw	77.7	97.8
Dn	76.0	96.1
Weight [kg]	0.70	0.85

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

4. TELESCOPIC PIPE RT



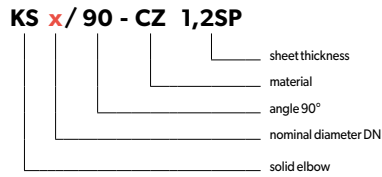
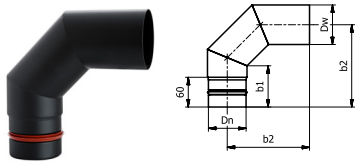
RT x / 2x0,33 - CZ 1,2SP

sheet thickness
material
length
nominal diameter DN
straight pipe

Diameter DN	ø80	ø100
Dw	77.7	97.8
Dn	76.0	96.1
Weight [kg]	1.70	2.10

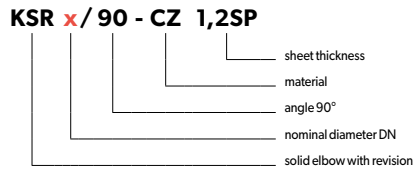
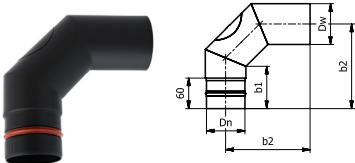
Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

5. SOLID ELBOW 90° KS/90, WITH REVISION KSR/90

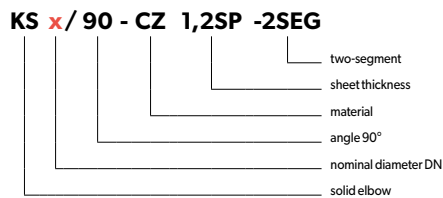
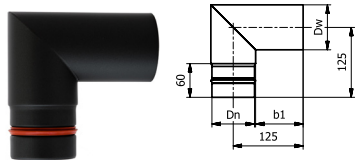


Diameter DN	ø80	ø100
Dw [mm]	77.7	97.8
Dn [mm]	76	96.1
b1 [mm]	83	79
b2 [mm]	167	165
Weight [kg]	KS	0.70
	KSR	0.80

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

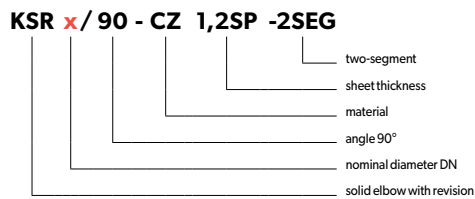
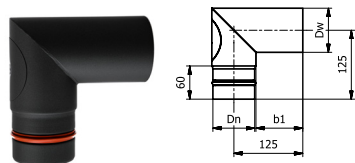


6. SOLID ELBOW 90° - 2 SEG. KS/90-2SEG, WITH REVISION/90-2SEG

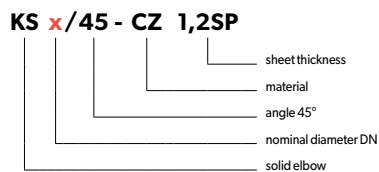
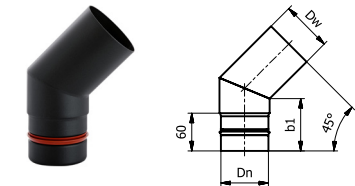


Diameter DN	ø80	ø100
Dw [mm]	77.7	97.8
Dn [mm]	76	96.1
b1 [mm]	85	75
Weight [kg]	KS	0.60
	KSR	0.70

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

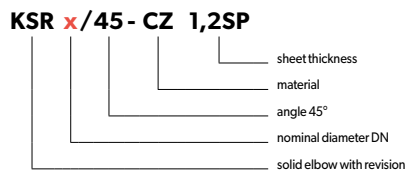
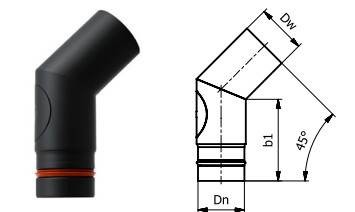


7. SOLID ELBOW 45° KS/45, WITH REVISION KSR/45

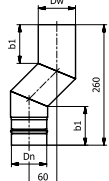


Diameter DN	ø80	ø100
Dw [mm]	77.7	97.8
Dn [mm]	76	96.1
b1 [mm]	KS	83
	KSR	133
Weight [kg]	KS	0.70
	KSR	0.90

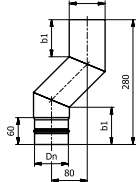
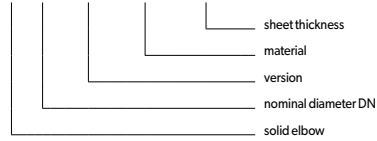
Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm



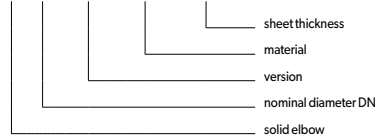
8. SOLID ELBOW S60, S80



KS x/S60 - CZ 1,2SP



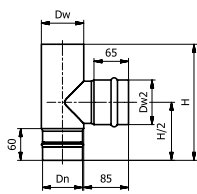
KS x/S80 - CZ 1,2SP



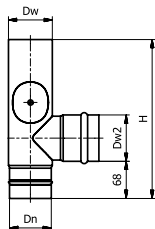
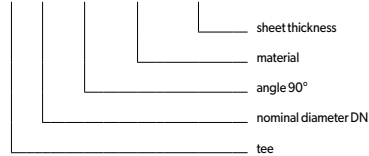
Diameter DN	ø80	ø100
Dw [mm]	77.7	97.8
Dn [mm]	76	96
b1 [mm]	83	79
Weight [kg]	KS 0.70	KSR 0.85

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

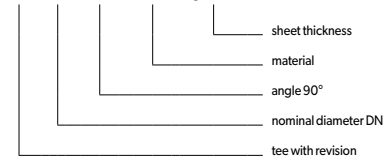
9. TEE 90° TR/90, WITH REVISION TRR/90



TR x/ 90 - CZ 1,2SP



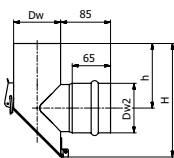
TRR x/ 90 - CZ 1,2SP



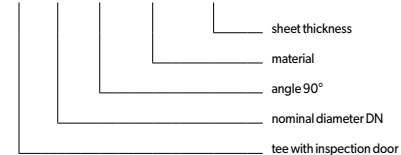
Diameter DN	ø80	ø100
Dw [mm]	77.7	97.8
Dn [mm]	76	96.1
Dw2	81	101
H [mm]	TR 220	240
	TRR 290	300
Weight [kg]	TR 0.85	1.15
	TRR 1.00	1.30

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

10. TEE WITH INSPECTION DOOR



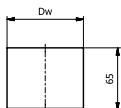
TRZ x/ 90 - CZ 1,2SP



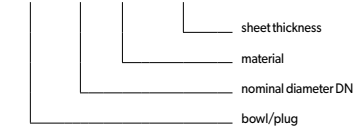
Diameter DN	ø80	ø100
Dw	77.7	97.8
Dw2	81	101
H	195	210
h	110	120
Weight [kg]	0.70	1.00

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

11. BOWL/PLUG MS/Z



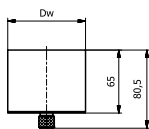
MS/Z x - CZ 1,2SP



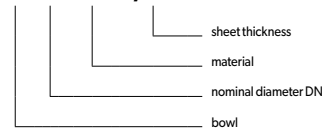
Diameter DN	ø80	ø100
Dw	77.7	97.8
Weight [kg]	0.25	0.35

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

12. CONDENSATE DRAIN BOWL MS



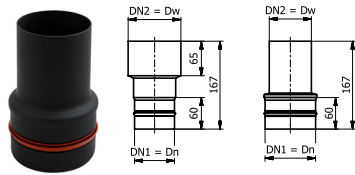
MS x - CZ 1,2SP



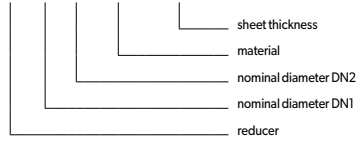
Diameter DN	ø80	ø100
Dw	77.7	97.8
Weight [kg]	0.40	0.50

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

13. REDUCER RD



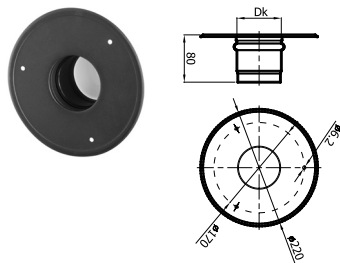
RD x/y - CZ 1,2SP



Diameter DN1/DN2	80/100	100/80
Weight [kg]	0.50	0.50

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

14. ROSETTE ROZ



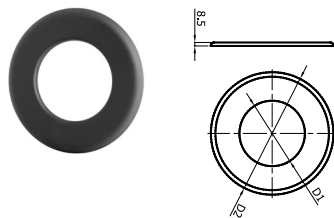
ROZ x - CZ 1,2SP



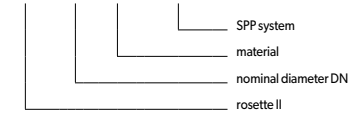
Diameter DN	ø80	ø100
Dk [mm]	80.6	100.7
Weight [kg]	0.60	0.80

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

15. ROSETTE ROZII



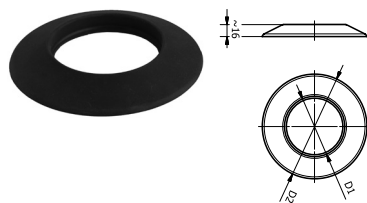
ROZII x - CZ 1,2SP



Diameter DN	ø80	ø100
D1 [mm]	80.8	100.8
D2 [mm]	150	170
Weight [kg]	0.12	0.14

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01

16. SILICONE ROSETTE ROZIII



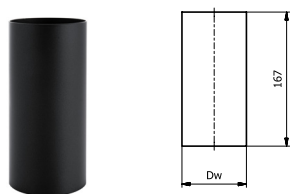
ROZIII x - CZ 1,2P/ SILIKON



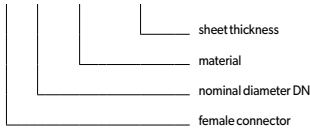
Diameter DN	ø80	ø100
D1 [mm]	79.5	99.5
D2 [mm]	138	158
Weight [kg]	0.05	0.08

Destination	D	D - smoke ducts
Material	S	S - silicone

17. FEMALE CONNECTOR ZZ



ZZ x - CZ 1,2SP



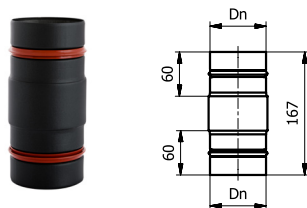
Diameter DN	ø80	ø100
Dw	77.7	97.8
Weight [kg]	0.45	0.55

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

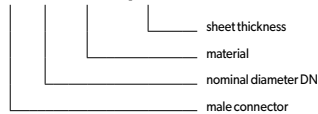
Caution!

Female connector allows to connect two spigot sided elements of the system and divert connection schema.

18. MALE CONNECTOR ZM



ZM x - CZ 1,2SP



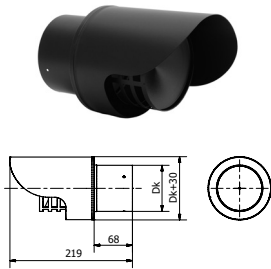
Diameter DN	ø80	ø100
Dn	76.0	96.1
Weight [kg]	0.45	0.55

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

Caution!

Male connector allows to connect two parts of pipe when there is a cut-to-size necessity.

19. TERMINAL WITH COVER



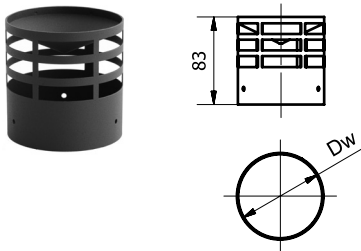
WBZ **x** - CZ 1,2P

SPP/SPKP system
material
nominal diameter DN
terminal with cover

Diameter DN	ø80	ø100
Dk	81	101
Weight [kg]	0.40	0.45

Destination	D	D - smoke ducts
Material	X	X - stainless steel 1.4301 powder coated black colour
Sheet thickness	0.5	0.5 - sheet thickness 0.5 mm

20. TERMINAL WB



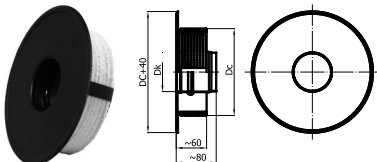
WB **x** - CZ 1,2P/TERMINAL

SPP/SPKP system
material
nominal diameter DN
terminal

Diameter DN	ø80	ø100
Dw	82	102
Weight [kg]	0.15	0.20

Destination	D	D - smoke ducts
Material	X	X - stainless steel 1.4301 powder coated black colour
Sheet thickness	0.5	0.5 - sheet thickness 0.5 mm

21. WALL INSERT TO CERAMIC CHIMNEYS WKCP



WKCP **DN/DC** - CZ 1,2SP

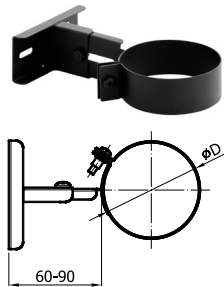
sheet thickness
material
nominal diameter DN/DC
wall insert to ceramic chimneys

DC - chimney diameter
DN - chimney connection diameter

Diameter DN	ø80	ø100
Dk [mm]	81.1	101.2
Weight [kg]	0.71	0.77

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01
Sheet thickness	1.2	1.2 - sheet thickness 1.2 mm

22. MOUNTING BRACKET OMD-I



OMD-I **x** - CZ 1,2SP

SPP system
material
nominal diameter DN
mounting bracket

Diameter DN	ø80	ø100
øD [mm]	80	100
Weight [kg]	0.16	0.17

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01

23. REVISION REPLACEMENT SEAL



KSR-USZCZELKA - CZ1,2SP

SPP/SPKP system
elbow with revision replacement seal

Caution! Sold in sets of 2 pcs.

24. TRZ TEE REVISION REPLACEMENT SEAL



TRZ **x** -USZCZELKA-CZ1,2SP

diameter
TRZ tee revision replacement seal

Caution! Sold in sets of 2 pcs.
Material: ceramic paper

25. SILICONE SEAL



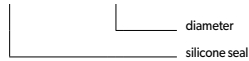
M-PROF-LARKI- **X** -KS



26. SILICONE SEAL



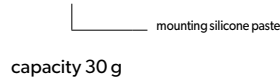
M-PROF-LARKI- **X** -SPP



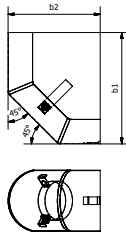
27. MOUNTING SILICONE PASTE



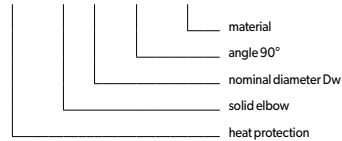
PASTA-30



28. ELBOW HEAT PROTECTION SSE



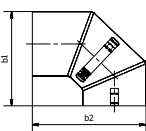
SSE - KS **X** / 90 - CZ



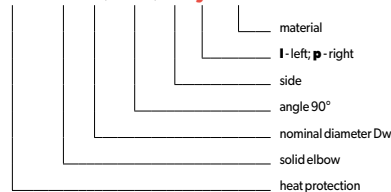
Diameter Dw	ø80	ø100
b1	231.5	240
b2	191.5	200
Weight [kg]	0.45	0.50

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01

29. ELBOW HEAT PROTECTION SSE-B



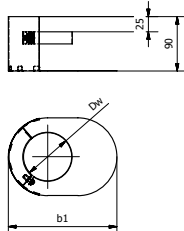
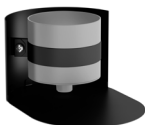
SSE - KS **X** / 90 / B-**y** - CZ



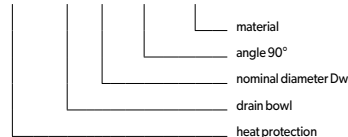
Diameter Dw	ø80	ø100
b1	190	200
b2	230	240
Weight [kg]	0.35	0.40

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01

30. DRAIN BOWL HEAT PROTECTION SSE-MS



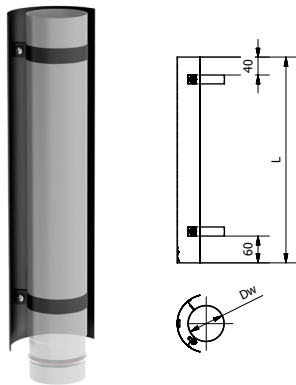
SSE - MS **X** / 90 - CZ



Diameter Dw	ø80	ø100
b1	180	200
Weight [kg]	0.30	0.35

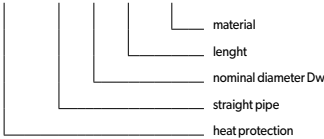
Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01

31. PIPE HEAT PROTECTION 1000, 500, 250 [mm]



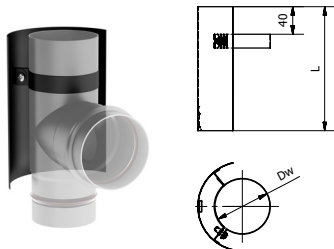
Pipe length	1000		500		250	
Diameter Dw	ø80	ø100	ø80	ø100	ø80	ø100
Length	960		460		210	
Weight [kg]	1.15	1.35	0.60	0.70	0.30	0.35

SSE - RP x/ y - CZ

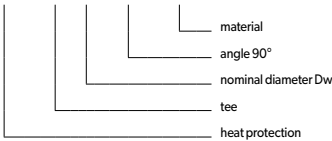


Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01

32. TEE 90° TR/90, TEE 90° WITH REVISION TRR/90 HEAT PROTECTION



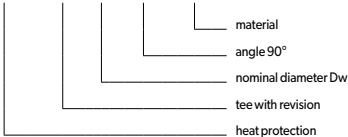
SSE - TR x/ 90 - CZ



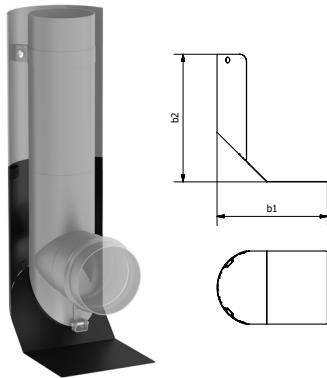
Diameter Dw	ø80	ø100
Length L [mm]	TR	180
	TRR	250
Weight [kg]	TR	0.25
	TRR	0.30

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01

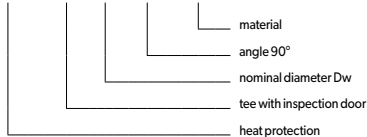
SSE - TRR x/ 90 - CZ



33. TEE WITH INSPECTION DOOR



SSE - TRZ x/ 90 - CZ



Diameter Dw	ø80	ø100
b1	191	210
b2	220	235
Weight [kg]	0.30	0.40

Destination	D	D - smoke ducts
Material	CZ	CZ - mild steel DC01