

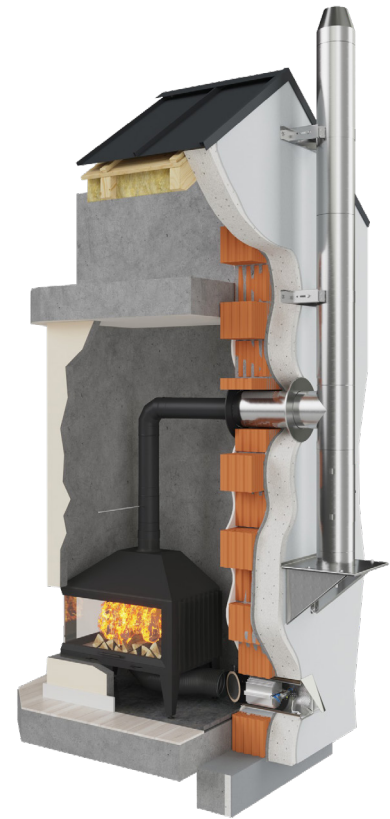
The Double Wall Chimney System <SKD-30> is used for the construction of chimneys and flue ducts.

The inner pipe used for the discharge of wet flue gases from modern energy-saving oil, gas, pellet and wood-fired heating appliances is made of the material grade 1.4404 to DIN17441, outer wall - 1.4301 to DIN17441, or galvanized steel painted black, thermal insulation - mineral wool, thickness 30mm.

Maximum working temperature of <SKD-30> system: 600°C

A chimney made of the system elements is a self-contained structure that does not require the use of conventional ceramic materials.

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



Application of chimney liners and recommended sheet thicknesses

Diameter DN	S, D* 1.4404	** 1.4301 / OC-ML-CZ
100	0.5	-
130	0.5	-
150	0.5	-
160	-	0.5
180	0.6	-
190	-	0.5
200	0.6	-
210	-	0.5
240	-	0.5
260	-	0.5

Table of layouts and sizes

Diameter DN	Lr	Dz	Dw	Dk	Ds	s
100	315	100.8	99.9	101.8		0.5
130	415	132.6	131.6	133.6		0.5
150	475	151.7	150.7	152.7		0.5
160	505	161.2	160.2		158.9	0.5
180	570	182	180.8	183		0.6
190	595	189.9	188.9		187.5	0.5
200	630	201.1	199.9	202.1		0.6
210	660	210.6	209.6		208.2	0.5
240	753	240.3	239.1		237.8	0.5
260	818	261.2	259.6		258.5	0.5

Destination

- S - flue ducts (gas, oil)
- D* - smoke ducts (wood and pellets)
- ** - outer pipe

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
- Ds - outer diameter of nipple pipe part [mm]±0,1
- s - metal sheet thickness [mm]

Bell- joint connection

The individual elements of the chimney system are connected by inserting one part of the element - the spigot - into the other part of the element - the bell. The bell connection results in a tight and rigid chimney construction. The way in which the elements are connected allows for the proper flow of condensate down the walls of the chimney liner into the drain bowl. The outer wall is connected upwards which protects the chimney against rainwater. The elements of the outer jacket should be riveted in place with a few chrome-nickel rivets

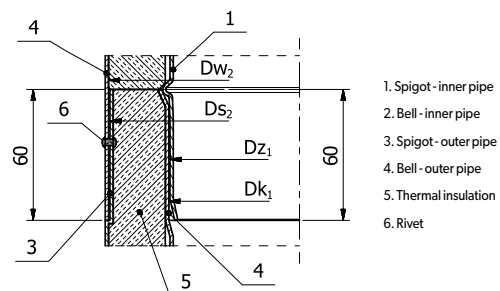


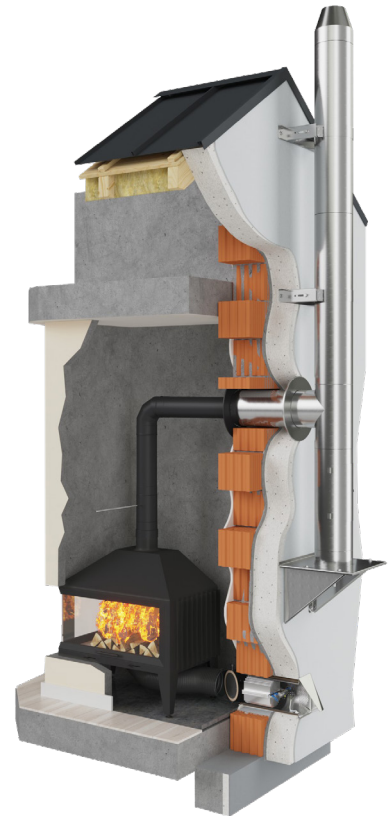
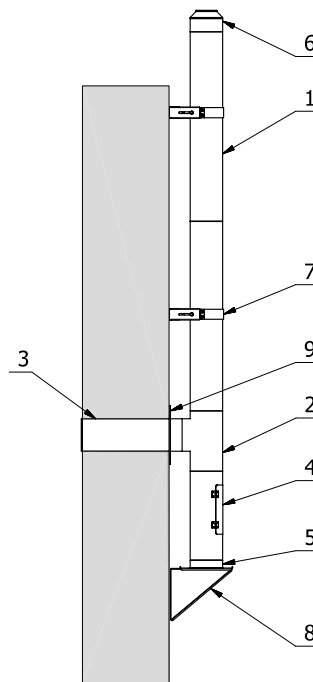
Fig. Method of joining acid-resistant steel chimney system elements <SKD-30-SLIM>

Model application of elements

Scheme I

Stainless steel brushed outer wall.

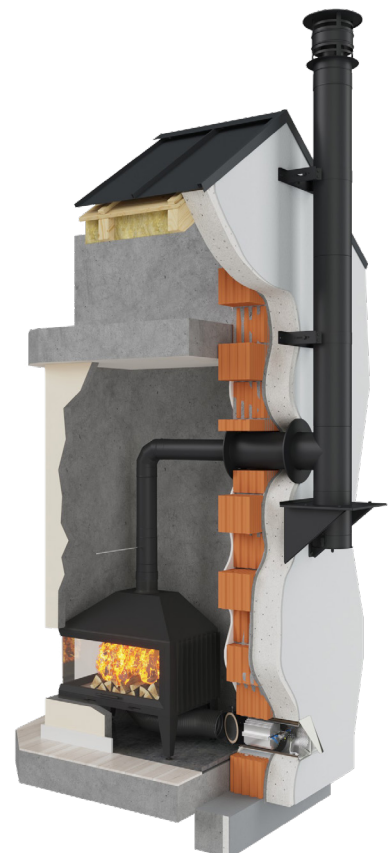
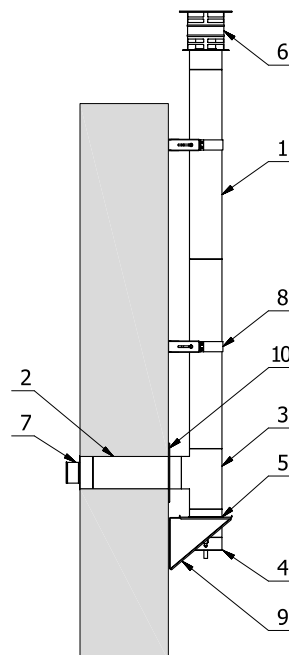
No	Name	Denotation
1	Straight pipe 1m	RPD.../.../1,0-CH/X.SZ
2	Tee 90°	TRD.../.../90-CH/X.SZ
3	Straight pipe with double wall adapter	RPD.../.../1,0-CH/X.SZ/WD
4	Clean out element (incl.doors)	WCD.../...-CH/X.SZ
5	Condensate drain bowl	MSD.../...-CH/X.SZ
6	Mouthpiece	USD.../...-CH/X.SZ
7	Mounting bracket	OMD-II...-X.SZ/5-15
8	Supporting console	KWD...-X.SZ/5-15
9	Rosette	ROZ...-X.SZ



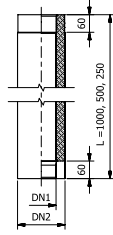
Scheme II

Black painted outer wall.

No	Name	Denotation
1	Straight pipe 1 m	RPD.../.../1,0-CH/OC-ML.CZ
2	Straight pipe 0,5 m	RPD.../.../0,5-CH/OC-ML.CZ
3	Tee 90°	TRD.../.../90-CH/OC-ML.CZ
4	Condensate drain bowl with the bottom outlet	MSDD.../...-CH/OC-ML.CZ
5	Intermediate support	PPD.../...-CH/OC-ML.CZ
6	Chimney cap	DKD-I.../...-CH-ML.CZ
7	Tee plug bell type	ZTD.../...-CH/OC-ML.CZ-K
8	Mounting bracket	OMD-II...-OC-ML.CZ/5-15
9	Supporting console	KWD...-OC-ML.CZ/5-15
10	Rosette	ROZ...-OC-ML.CZ

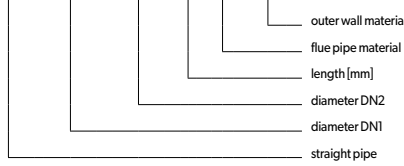


1. STRAIGHT PIPE RPD



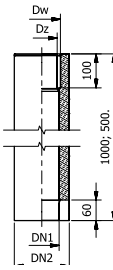
Diameter DNI/DN2	100	130	150	180	200
L [mm]	1000	1000	1000	1000	1000
Weight [kg]	7.10	8.50	9.65	11.60	12.90

RPD DNI / DN2 / L - m / mp



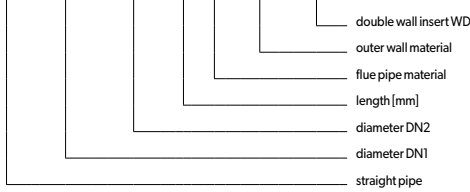
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

2. STRAIGHT PIPE WITH DOUBLE WALL ADAPTER RPD-WD



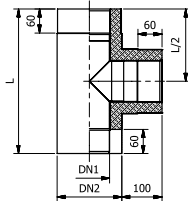
Diameter DNI/DN2	100	130	150	180	200
Dz [mm]	90	120	140	170	190
Dw [mm]	109	139	159	189	209
Weight [kg]	7.75	9.30	10.57	12.65	14.00

RPD DNI / DN2 / L - m / mp / WD



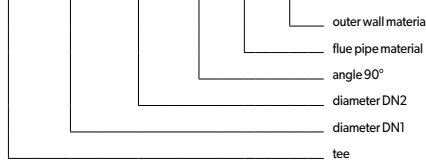
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

3. TEE 90° TRD/90



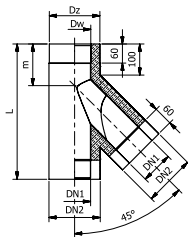
Diameter DNI/DN2	100	130	150	180	200
L [mm]	360	390	410	440	460
Weight [kg]	2.45	3.15	3.70	4.80	5.50

TRD DNI / DN2 / 90 - m / mp



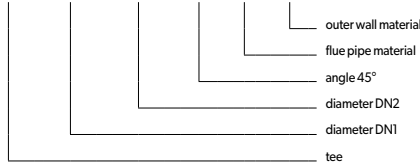
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

4. TEE 45° TRD/45



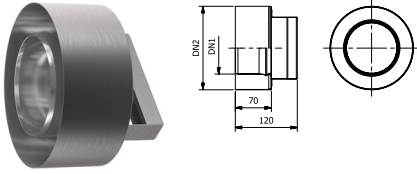
Diameter DNI/DN2	100	130	150	180	200
L [mm]	425	470	500	540	570
m [mm]	130	140	145	160	155
Weight [kg]	4.00	5.30	6.45	8.42	9.85

TRD DNI / DN2 / 45 - m / mp

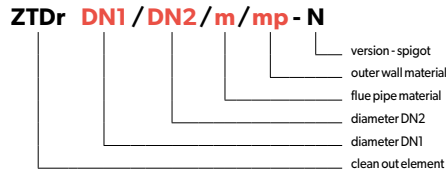


Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

5. TEE PLUG, FULLY COVERED WITH HANDLE ZTDr

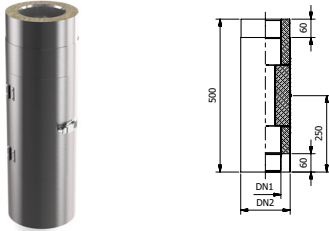


Diameter	100	130	150	180	200
DN1/DN2	160	190	210	240	260
Weight [kg]	0.45	0.55	0.62	0.78	0.88

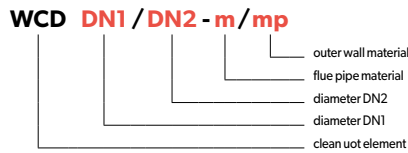


Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

6. CLEAN OUT ELEMENT WCD WITH DOORS

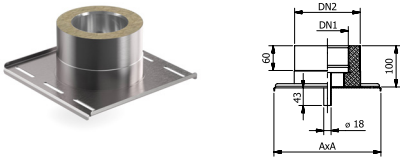


Diameter	100	130	150	180	200
DN1/DN2	160	190	210	240	260
Weight [kg]	3.90	4.70	5.40	6.35	7.00

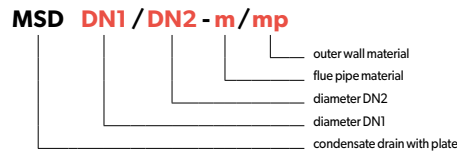


Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

7. CONDENSATE DRAIN BOWL WITH PLATE MSD

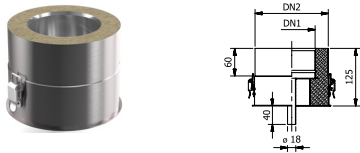


Diameter	100	130	150	180	200
DN1/DN2	160	190	210	240	260
A [mm]	260	290	310	340	360
Weight [kg]	2.00	2.45	2.85	3.40	3.85

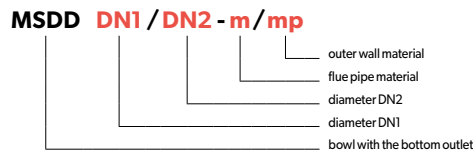


Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

8. CONDENSATE DRAIN BOWL WITH THE BOTTOM OUTLET MSDD

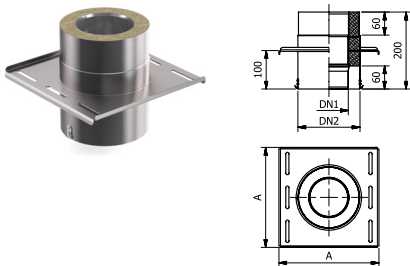


Diameter	100	130	150	180	200
DN1/DN2	160	190	210	240	260
Weight [kg]	1.20	1.50	1.80	2.20	2.50

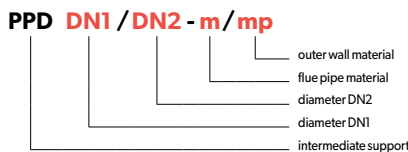


Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

9. INTERMEDIATE SUPPORT PPD

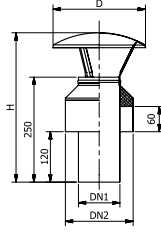


Diameter	100	130	150	180	200
DN1/DN2	160	190	210	240	260
A [mm]	260	290	310	340	360
Weight [kg]	2.25	2.65	3.00	3.55	3.90



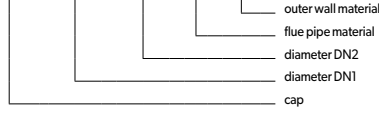
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

10. CHIMNEY CAP DKD



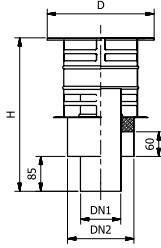
Diameter DNI/DN2	100	130	150	180	200
D [mm]	220	250	290	290	350
H [mm]	355	359	360	360	360
Weight [kg]	0.90	1.15	1.40	1.68	1.90

DKD DN1 / DN2 - m / mp



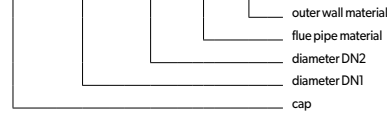
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

11. CHIMNEY CAP DKD-I - CYLINDRIC



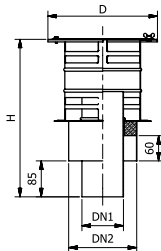
Diameter DNI/DN2	100	130	150	180	200
D [mm]	260	290	310	340	360
H [mm]	275	375	375	375	375
Weight [kg]	1.88	2.27	2.55	3.05	3.35

DKD-I DN1 / DN2 - m / mp



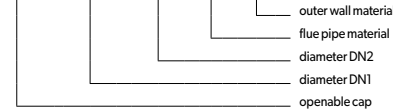
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

12. CHIMNEY CAP DKD-II - CYLINDRIC, OPENABLE



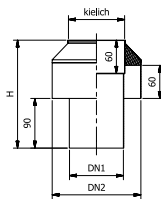
Diameter DNI/DN2	100	130	150	180	200
D [mm]	260	290	310	340	360
H [mm]	275	375	375	375	375
Weight [kg]	2.00	2.40	2.70	3.20	3.50

DKD-II DN1 / DN2 - m / mp



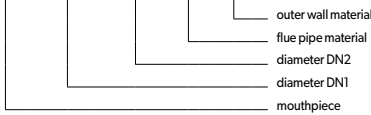
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

13. MOUTHPIECE USD



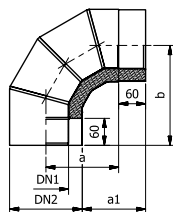
Diameter DNI/DN2	100	130	150	180	200
H [mm]	195	195	195	195	195
Weight [kg]	0.65	0.80	0.90	1.15	1.25

USD DN1 / DN2 - m / mp



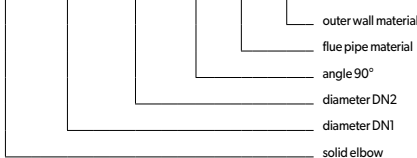
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

14. SOLID ELBOW 90° KSD/90



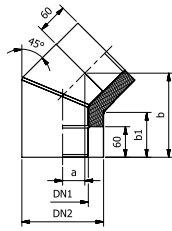
Diameter DNI/DN2	100	130	150	180	200
a [mm]	162	174	180	199	206
a1 [mm]	141	139	135	139	135
b [mm]	222	234	240	259	266
Weight [kg]	2.58	3.25	3.82	4.96	5.65

KSD DN1 / DN2 / 90 - m / mp



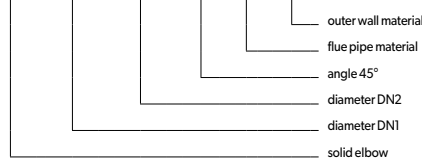
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

15. SOLID ELBOW 45° KSD/45



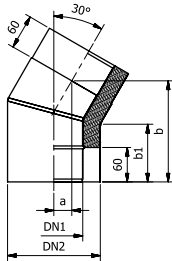
Diameter DN1/DN2	100	130	150	180	200
	160	190	210	240	260
a [mm]	44	44	49	49	62
a1 [mm]	88	82	85	79	93
b [mm]	166	166	179	179	209
Weight [kg]	1.56	1.87	2.28	2.76	3.53

KSD DN1 / DN2 / 45 - m / mp



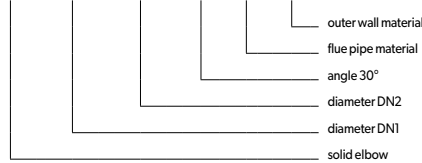
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC	OC-ML.CZ - galvanised steel painted black as standard
	-ML.CZ	
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

16. SOLID ELBOW 30° KSD/30



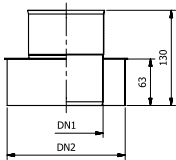
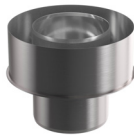
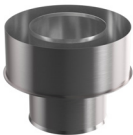
Diameter DN1/DN2	100	130	150	180	200
	160	190	210	240	260
a [mm]	31	31	31	31	31
a1 [mm]	100	96	94	90	87
b [mm]	176	176	176	176	176
Weight [kg]	1.56	1.87	2.15	2.58	2.75

KSD DN1 / DN2 / 30 - m / mp

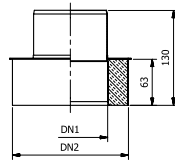


Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC	OC-ML.CZ - galvanised steel painted black as standard
	-ML.CZ	
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

17. TEE PLUG ZTD (K-BELL TYPE / N-SPIGOT TYPE)



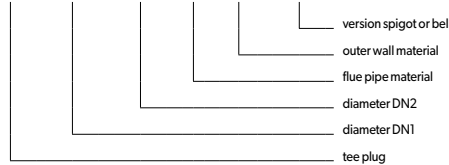
K - bell for TR90



N - spigot for TR45

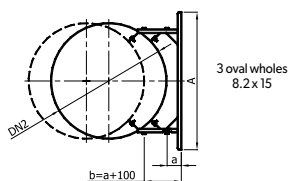
Diameter DN1/DN2	100	130	150	180	200	
	160	190	210	240	260	
Weight [kg]	ZTD-K	0.37	0.45	0.51	0.65	0.72
	ZTD-N	0.62	0.75	0.85	1.05	1.18

ZTD DN1 / DN2 - m / mp - K / N



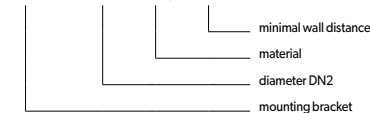
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	CH	CH - stainless steel 1.4404
	X.SZ	X.SZ - steel sheet grade 1.4301-4N
Outer wall material	OC	OC-ML.CZ - galvanised steel painted black as standard
	-ML.CZ	
Sheet thickness	5	5 - sheet thickness 0.5 mm
	6	6 - sheet thickness 0.6 mm

18. MOUNTING BRACKET OMD-II



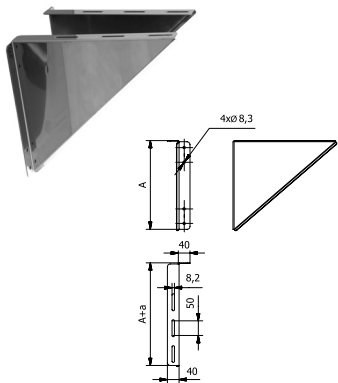
Diameter DN2	160	190	210	240	260
A [mm]	354	380	380	409	416
Weight [kg]	1.08	1.14	1.15	1.23	1.26

OMD-II DN2 - m / 5-15



Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	X.SZ	X.SZ - steel sheet grade 1.4301-4N
	OC	OC-ML.CZ - galvanised steel painted black as standard
-ML.CZ		

19. SUPPORTING CONSOLE KWD



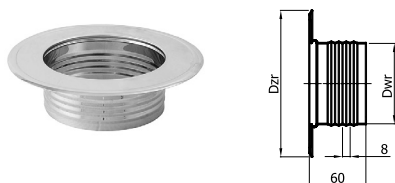
Diameter DN2	160	190	210	240	260
A [mm]	254	304	304	354	354
Weight [kg]	2.00	2.60	2.60	3.25	3.25

KWD DN2 - m / a-(a+100)



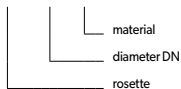
Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	X.SZ	X.SZ - steel sheet grade 1.4301-4N
	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard

20. ROSETTE ROZ



Diameter DN	160	190	210	240	260
Dwr [mm]	166	196	216	246	266
Dzr [mm]	257	287	307	337	357
Weight [kg]	0.25	0.29	0.32	0.36	0.39

ROZ x - m



Destination	S	S - flue ducts (gas, oil)
	D*	D* - smoke ducts
Material	X.SZ	X.SZ - steel sheet grade 1.4301-4N
	OC-ML.CZ	OC-ML.CZ - galvanised steel painted black as standard
Sheet thickness	5	5 - sheet thickness 0.5 mm