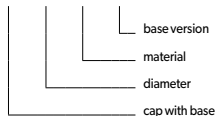


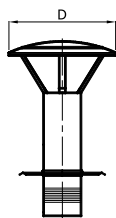
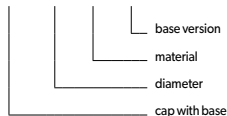
1. CAP WITH BASE



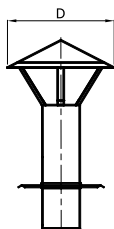
WDAx-CH-b



WDACx-OC-b



for $\varnothing \leq 200$



for $\varnothing > 200$



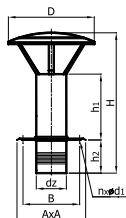
Destination	W	W	W - ventilation ducts						
	S	-	S - gas and oil exhaust ducts						
Material	CH	-	CH - chrome-nickel sheet 1.4301						
	-	OC	OC - galvanised steel sheet						

Diameter [mm]	ø100	ø110	ø120	ø130	ø140	ø150	ø160	ø180	ø200	ø250
Cap diameter D	220	220	250	250	290	290	290	290	350	400

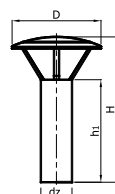
*Openable for diameters from ø 100 mm to ø200mm (only WDA-CH version)

Versions of bases

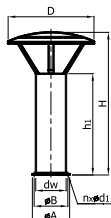
1. Square base -PK



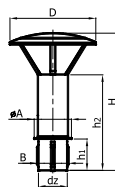
2. Inlet pipe -B



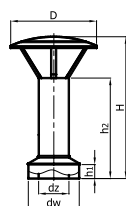
3. Base with collar -BIII



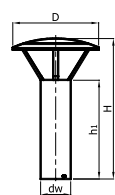
4. Force-in mounting base -PT



5. Base with insulation closing -B-K



6. Dismountable base -R



Measurements table for various inlet diameters

ø 100												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	100.8	442	425	250	81	220	170	6.2	4	0.80	0.90
-B	-	100.8	442	425	333	-	-	-	-	-	0.70	0.75
-BIII	99.8	-	362	345	253	-	162	132	9.5	4	0.90	0.90
-PT	-	94	514	497	157	407	150	108	-	-	0.80	0.85
-B-K	202.1	100.8	358	341	70	250	-	-	-	-	1.10	1.10
-R	99.8	100.8	442	425	333	-	-	-	-	-	0.70	0.75

ø 110												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	112	444	427	250	81	220	170	6.2	4	0.90	1.00
-B	-	112	444	427	333	-	-	-	-	-	0.70	0.85
-BIII	111	-	364	347	253	-	172	142	9.5	4	0.90	1.05
-PT	-	104	516	499	157	407	160	118	-	-	0.90	0.95
-B-K	202.1	111.9	365	348	70	250	-	-	-	-	1.20	1.20
-R	111	112	444	427	333	-	-	-	-	-	0.70	0.85

ø 120												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	123.1	456	433	250	81	220	170	6.2	4	1.00	1.10
-B	-	123.1	456	433	333	-	-	-	-	-	0.80	0.95
-BIII	122.1	-	376	353	253	-	182	152	9.5	4	1.00	1.20
-PT	-	114	529	506	157	407	170	128	-	-	1.00	1.10
-B-K	202.1	123.1	372	349	70	250	-	-	-	-	1.30	1.30
-R	122.1	123.1	456	433	333	-	-	-	-	-	0.80	0.95

ø 130												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	132.6	458	435	250	81	250	200	6.2	4	1.10	1.20
-B	-	132.6	458	435	333	-	-	-	-	-	0.90	1.00
-BIII	131.6	-	378	355	253	-	192	162	9.5	4	1.10	1.30
-PT	-	124	529	506	157	407	180	138	-	-	1.00	1.15
-B-K	227.6	132.5	379	356	70	250	-	-	-	-	1.40	1.40
-R	131.6	132.6	458	435	333	-	-	-	-	-	0.90	1.00

ø 140												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	140.6	455	433	250	81	250	200	6.2	4	1.30	1.30
-B	-	140.6	455	433	333	-	-	-	-	-	1.10	1.10
-BIII	139.6	-	375	353	253	-	202	172	9.5	6	1.40	1.40
-PT	-	134	529	507	157	407	190	148	-	-	1.40	1.25
-B-K	227.6	140.6	386	364	70	250	-	-	-	-	1.50	1.50
-R	139.6	140.6	455	433	333	-	-	-	-	-	1.10	1.10

ø 150												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	151.8	480	458	250	81	250	200	6.2	4	1.40	1.40
-B	-	151.8	480	458	333	-	-	-	-	-	1.20	1.20
-BIII	150.8	-	400	378	253	-	212	182	9.5	6	1.50	1.50
-PT	-	144	552	530	157	407	200	158	-	-	1.40	1.60
-B-K	253.3	151.7	393	371	70	330	-	-	-	-	1.75	1.75
-R	150.8	151.8	480	458	333	-	-	-	-	-	1.20	1.20

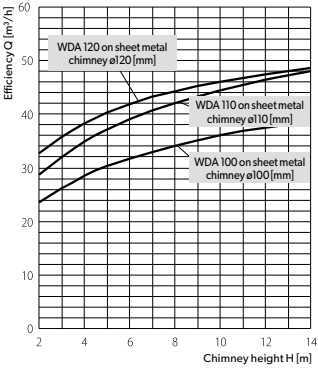
ø 160												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	161.3	482	460	250	81	250	200	6.2	4	1.40	1.40
-B	-	161.3	482	460	330	-	-	-	-	-	1.20	1.20
-BIII	160.3	-	400	378	253	-	222	192	9.5	6	1.50	1.50
-PT	-	154	552	530	157	407	210	168	-	-	1.50	1.50
-R	160.3	161.3	482	460	333	-	-	-	-	-	1.20	1.20

ø 180												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	182	485	463	250	81	300	250	6.2	4	1.60	1.60
-B	-	182	485	463	330	-	-	-	-	-	1.30	1.30
-BIII	181	-	400	378	253	-	242	212	9.5	6	1.60	1.60
-PT	-	154	552	530	157	407	230	198	-	-	1.60	1.60
-R	181	182	485	463	333	-	-	-	-	-	1.30	1.30

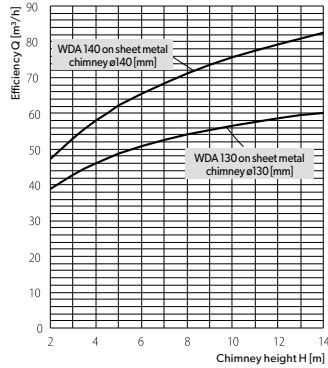
ø 200												
Dimensions [mm]											Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	201.1	497	486	250	81	330	280	6.2	4	1.70	2.30
-B	-	201.1	497	486	333	-	-	-	-	-	1.40	1.50
-BIII	200.1	-	417	406	253	-	262	232	9.5	6	1.70	2.00
-PT	-	194	570	559	157	407	250	208	-	-	1.70	2.15
-B-K	302.6	201.0	428	417	70	250	-	-	-	-	2.20	2.20
-R	200.1	201.1	497	486	333	-	-	-	-	-	1.40	1.50

ø 250	Dimensions [mm]										Weight [kg]	
Base version	dw	dz	H	H (OC)	h1	h2	A	B	d1	Ilość n	OC	CH
-PK	-	252.0	688	677	250	83	370	290	6	4	4.15	3.65
-B	-	252.3	603	592	333	-	-	-	-	-	2.75	2.45
-BIII	250.7	-	603	592	333	-	313	283	9.5	6	3.60	3.30
-PT	-	244.0	674	663	157	407	287	259	-	-	3.55	3.25
-B-K	352.4	252.3	532	521	70	250	-	-	-	-	3.65	3.35
-R	250.7	-	609	598	333	-	-	-	-	-	2.75	2.45

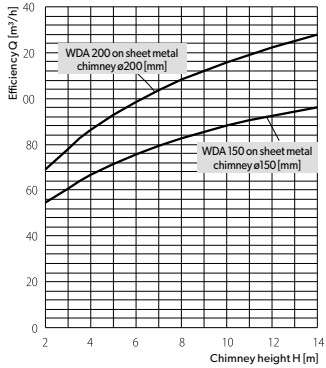
Airflow charts



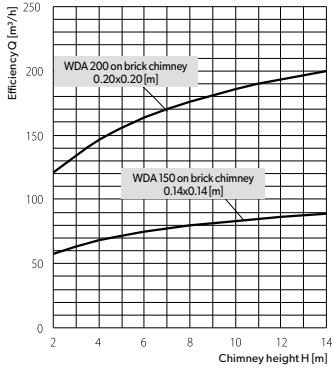
Efficiency chart for cap with base ø100, 110, 120 on sheet metal chimney in situation with no wind.



Efficiency chart for cap with base ø130, 140 on sheet metal chimney in situation with no wind.

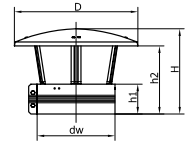
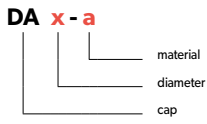


Efficiency chart for cap with base ø150, 200 on sheet metal chimney in situation with no wind.



Efficiency chart for cap with base ø150, 200 on brick chimney in situation with no wind.

2. CAP

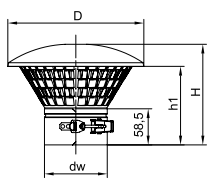
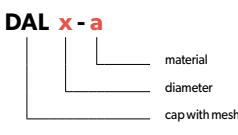


Diameter	Dimensions [mm]					Weight [kg]	
	D	H	dw	h1	h2	OC	CH
ø100	220	178	100	70	140	0.30	0.30
ø110	220	185	110	70	147	0.35	0.35
ø120	250	202	120	80	164	0.37	0.37
ø130	250	209	130	80	171	0.40	0.40
ø140	290	218	140	80	178	0.45	0.45
ø150	290	225	150	80	185	0.50	0.50
ø160	290	225	160	80	185	0.55	0.55
ø180	290	198	180	70	158	0.70	0.70
ø200	350	260	200	80	220	0.94	0.94
ø250	400	340	250	80	270	1.25	1.70



Destination	W	W	W	W - ventilation ducts
	S	-	-	S - gas and oil exhaust ducts
Material	CH	-	-	CH - chrome-nickel sheet 1.4301
	-	OC	-	OC - galvanised steel sheet

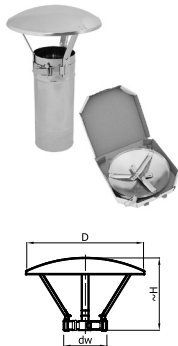
3. CAP WITH MESH



Diameter	Dimensions [mm]				Weight [kg]
	D	H	dw	h1	CH
ø100	220	163.5	100	127.5	0.39
ø110	220	167.0	110	131.0	0.40
ø120	250	162.5	120	123.5	0.42
ø130	250	166.0	130	127.5	0.49
ø140	250	169.5	140	130.5	0.50
ø150	250	180.0	150	139.0	0.68
ø160	290	183.5	160	143.0	0.70
ø180	290	189.5	180	149.0	0.72
ø200	350	183.5	200	141.0	0.90
ø250	350	195.0	250	152.5	0.96

Destination	W	W - ventilation ducts
	S	S - gas and oil exhaust ducts
Material	CH	CH - chrome-nickel sheet 1.4301
	-	-

4. CAP IN A BOX



DAP x - a

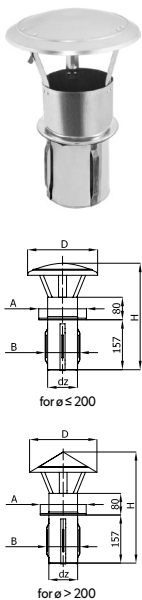
- material
- diameters
- cap in a box

Diameter range	Dimensions [mm]			Weight [kg]
	D	H	dw	
ø60÷ø80	160	150	60-80	0.20
ø100÷ø130	220	180	100-130	0.30
ø140÷ø180	290	210	140-180	0.45
ø200÷ø250	350	240	200-250	0.60



Destination	W	W - ventilation ducts
	S	S - gas and oil exhaust ducts
Material	CH	CH - chrome-nickel sheet 1.4301

5. CAP WITH FORCE-IN BASE

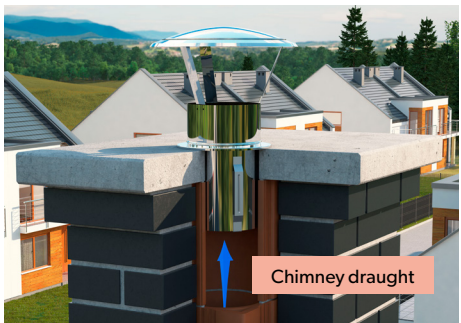


DA x - a - PT

- force-in base
- material
- diameter
- cap

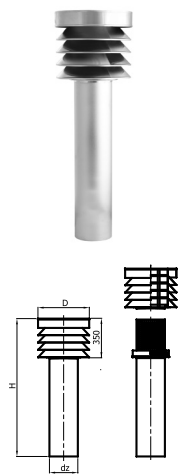
Diameter	Dimensions [mm]					Weight [kg]	
	A	B	D	H	dz	OC	CH
ø100	150	108	220	335	94	0.60	0.60
ø110	160	118	220	345	104	0.70	0.70
ø120	170	128	250	360	114	0.75	0.75
ø130	180	138	250	370	124	0.80	0.80
ø140	190	148	290	375	134	0.95	0.95
ø150	200	158	290	385	144	1.00	1.00
ø160	210	168	290	385	154	1.11	1.11
ø180	230	198	290	385	174	1.50	1.50
ø200	250	208	350	420	194	1.85	1.85
ø250	287	259	400	500	244	3.40	3.40

Openable for diameters from 100 to 200 mm.



Destination	W	W - ventilation ducts
	S	S - gas and oil exhaust ducts
Material	CH	CH - chrome-nickel sheet 1.4301
	OC	OC - galvanised steel sheet

6. AIR INTAKE FOR AIR-TYPE GROUND HEAT EXCHANGER GWC



GWC x - CH - ...

- finish
- material
- diameter
- air intake GWC

... - BA - glossy finish
... - 4N - brushed finish
... - 2B - matt finish

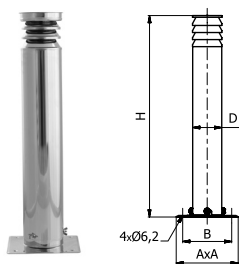
Diameter	Dimensions [mm]			Cross section [cm ²]	Weight
	D	H	dz		
ø160	360	1200	160	201	6.00
ø200	400	1200	200	314	7.50
ø250	450	1200	250	491	9.50
ø300	500	1200	300	707	12.0
ø350	550	1200	350	962	18.0
ø400	600	1200	400	1256	21.5

* other dimensions upon request



Destination	Air intake ground heat exchanger	
Material	CH	CH - chrome-nickel sheet 1.4301

7. SEWER VENTING RING-TYPE TERMINAL PNK

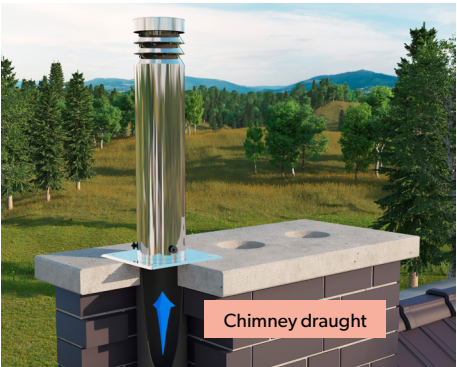


PNK x - CH

material
diameter
sewer venting ring-type terminal

Diameter D	Dimensions [mm]				Cross section [cm ²]	Weight CH
	A	B	D	H		
80	215	170	80	700	84	1.45
100	215	170	100	700	84	1.65
110	215	170	110	700	95	1.75
120	215	170	120	700	116	1.85
130	215	170	130	700	119	1.95
140	245	200	140	700	122	2.10
150	245	200	150	700	132	2.20
160	245	200	160	700	140	2.35
180	325	280	180	700	166	2.85
200	325	280	200	700	180	3.15

* other dimensions upon request



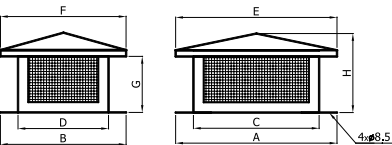
Destination	Ventilations ducts	
Material	CH	CH - chrome-nickel sheet 1.4301

8. ENVELOPE - TYPE CAP



DA K - CxD - a

material
base dimensions
envelope - type cap code
cap



Example dimensions: DAK-CxD							
A	B	C	D	E	F	G	H
550	400	450	300	600	450	200	300

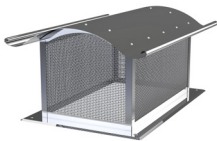
Product made upon order.



Destination	Ventilations ducts	
Material	CH	CH - chrome-nickel sheet 1.4301
	OC	OC - galvanised steel sheet
	MI	MI - copper sheet

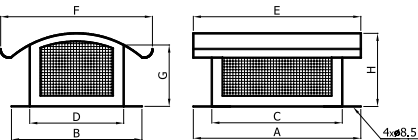
* in version MI - chrome-nickel mesh

9. SOMBRERO I - TYPE CAP



DA SI - CxD - a

material
base dimensions
Sombrero I - type cap code
cap



Example dimensions: DAK-CxD							
A	B	C	D	E	F	G	H
550	400	450	300	600	450	200	300

Product made upon order.



Destination	Ventilations ducts	
Material	CH	CH - chrome-nickel sheet 1.4301
	OC	OC - galvanised steel sheet
	MI	MI - copper sheet

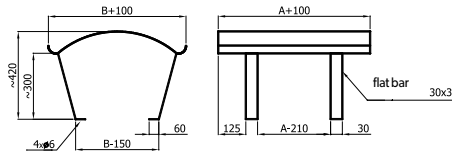
* in version MI - chrome-nickel mesh

10. SOMBRERO II - TYPE CAP



DA SII - **AxB** - **a**

material
chimney dimensions
Sombrero II - type cap code
cap



Product made upon order.



Destination	Ventilation ducts	
Material	CH	CH - chrome-nickel sheet 1.4301
	OC	OC - galvanised steel sheet
	MI	MI - copper sheet

* in version MI- chrome-nickel mesh