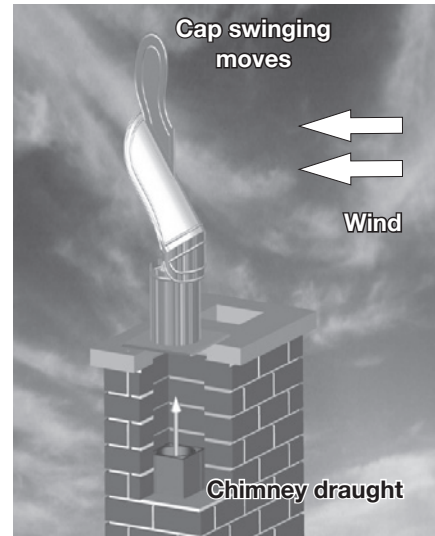


PICTURE **FUNCTION PRINCIPLE**



DESCRIPTION

Self-adjusting chimney cowl Rotowent SWING is a device which, in dynamic way, uses force of the wind to increase chimney draught. The cap always places itself in the opposite direction to the wind no matter of its strength or direction. It is to be mounted on gravitation based chimney ducts endings: flue and smoke.

Maximal working temperature: 400 [°C]
Rotation system: slide bearings

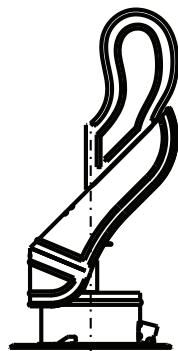
Includes solutions reserved in the RP Patent Office

DESTINATION

- when there are wind fluctuations on the chimney duct ending, caused by its bad location
- when there is an unfavorable terrain configuration, with strong and frequent winds
- when there is a lack of chimney draught or it is too weak
- in order to improve the natural (gravitation) smoke chimney draught

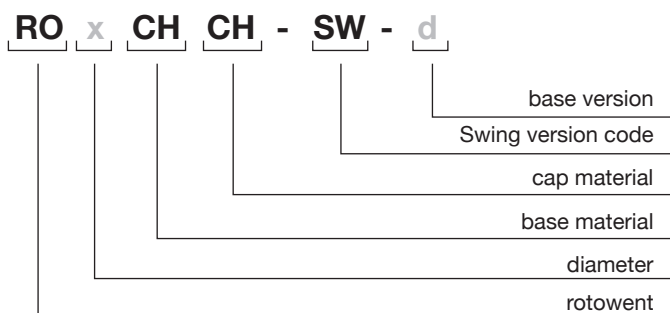
MEASUREMENTS

Diameter	Cap rotation diameter D [mm]
Ø 150	~ 270
Ø 180	~ 290
Ø 200	~ 320



Rotation diameter D

DENOTATIONS / PRODUCT CODES



MATERIALS

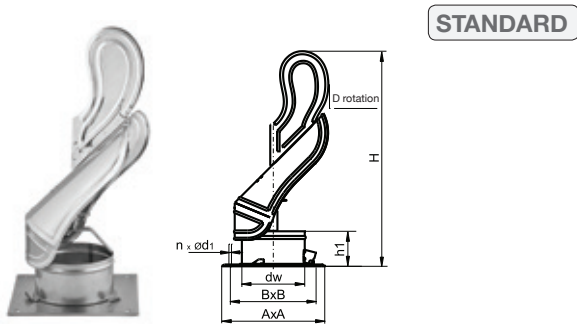
Destination	-	W - ventilation ducts
	S	S - gas and oil exhaust ducts
	D	D - smoke ducts
Base material	CH	CH - chrome-nickel sheet 1.4301
Cap material	CH	CH - chrome-nickel sheet 1.4301

NOTICE!

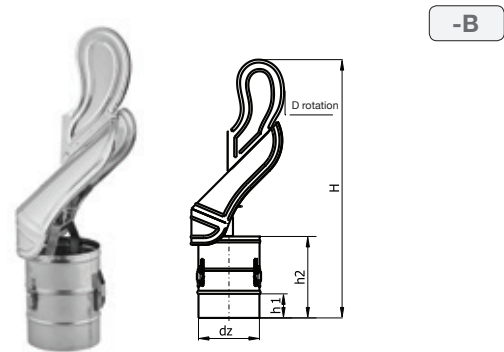
The cowl shouldn't be mounted on ducts exhausting fumes from stoves for low temperature fuels based on coal

ROTOWENT SWING - VERSIONS OF BASES

1. SQUARE BASE OPENABLE



2. INLET PIPE OPENABLE



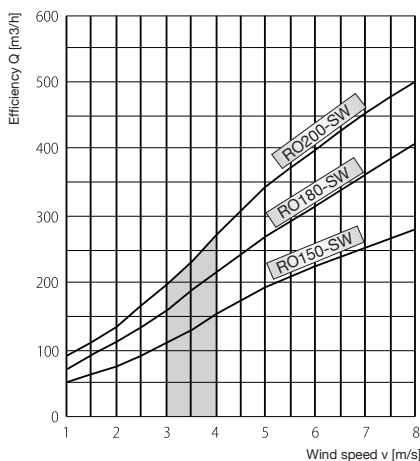
MEASUREMENTS TABLE FOR VARIOUS INLET DIAMETERS

Ø 150		Dimensions [mm]									Weight [kg]
Lp	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	CH
1	STANDARD	148.0	-	525	85	-	250	208	6.2	4	3.30
2	-B	-	151.8	645	60	205	-	-	-	-	3.10

Ø 180		Dimensions [mm]									Weight [kg]
Lp	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	CH
1	STANDARD	178.0	-	590	85	-	300	250	6.2	4	3.70
2	-B	-	182	710	60	205	-	-	-	-	3.35

Ø 200		Dimensions [mm]									Weight [kg]
Lp	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	CH
1	STANDARD	198.0	-	620	85	-	330	284	6.2	4	4.00
2	-B	-	201.1	740	60	205	-	-	-	-	3.50

AIRFLOW CHARTS



Efficiency chart for Rotowent Swing (various diameters) in a function of wind speed, not including the influence of chimney height
*1 [m/s] = 3,6 [km/h]