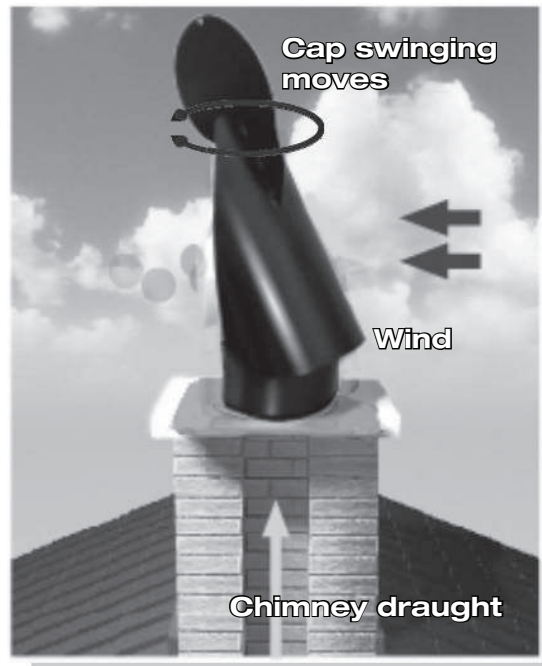


PICTURE



FUNCTION PRINCIPLE



DESCRIPTION

Self-adjusting chimney cowl Rotowent TWISTER is a device, which, in a 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 (gas, oil) and smoke.

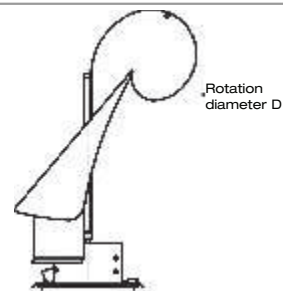
Maximal working temperature: 400 [°C]
Rotation system: slide bearings

DESTINATION

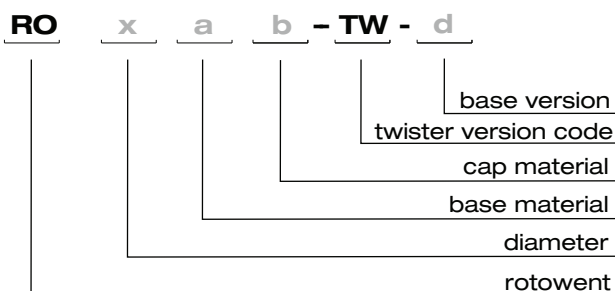
- when there are wind fluctuations on the chimney duct ending, caused by its bad location
- when there is an unfavorable terrain configuration, with strong and frequent winds
- when there is a lack of chimney draught or it is too weak
- in order to improve the natural (gravitation) smoke chimney draught

MEASUREMENTS

Diameter	Cap rotation diameter D [mm]
Ø150	~ 500
Ø200	~ 500



DENOTATIONS / PRODUCT CODES



MATERIALS

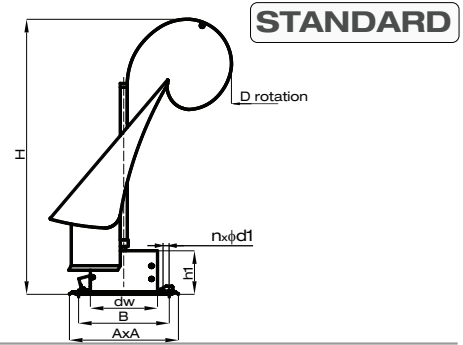
Destination	-	-	W - ventilation ducts
	S	S	S - gas and oil exhaust ducts
	D	D	D - smoke ducts
Base material	CH	-	CH - chrome - nickel sheet 1.4301
	-	ML	ML- cold rolled steel powder coated
Cap material	CH	-	CH - chrome - nickel sheet 1.4301
	-	ML	ML- cold rolled steel powder coated

NOTICE!

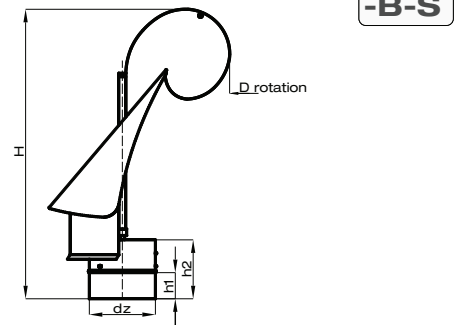
The cowl shouldn't be mounted on ducts exhausting fumes from stoves for low temperature fuels based on coal

TWISTER - VERSIONS OF BASES

1. SQUARE BASE



2. INLET PIPE

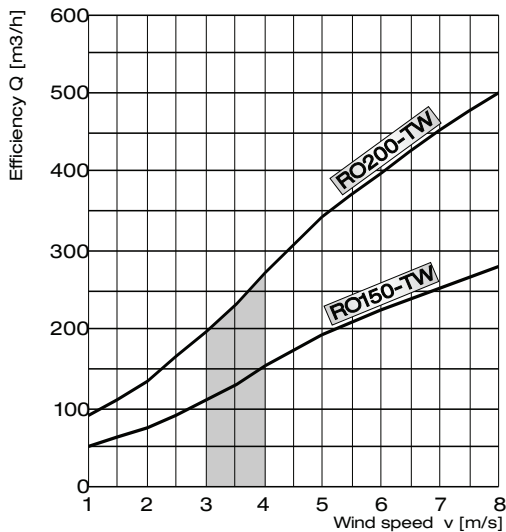


MEASUREMENTS TABLE FOR VARIOUS INLET DIAMETERS

Ø 150		Dimensions [mm]									Weight [kg]	
Lp	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	CH	ML
1	STANDARD	148.0	-	610	85	-	250	208	6.2	4	3.25	3.20
2	-B-S	-	151.8	645	60	150	-	-	-	-	3.05	3.00

Ø 200		Dimensions [mm]									Weight [kg]	
Lp	Base version	dw	dz	H	h1	h2	A	B	d1	Amount n	CH	ML
1	STANDARD	198.0	-	610	85	-	330	284	6.2	4	3.95	3.90
2	-B-S	-	201.1	645	60	150	-	-	-	-	3.45	3.40

AIRFLOW CHARTS



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