

B - BS Pressed bends and sectoral bends



Description

The B and BS bends are fittings designed to change the direction of airflow within air distribution systems while maintaining high aerodynamic performance and low pressure losses.

The pressed bends (B) are manufactured by stamping and are particularly suitable for small to medium diameters, ensuring high dimensional accuracy and quick installation.

The segmented bends (BS) are constructed by assembling multiple sections and represent the ideal solution for medium to large diameters, providing structural strength and smooth airflow continuity.

Both versions are widely used in ventilation, air conditioning, air handling, and air distribution systems for residential, commercial, and industrial applications.

Features

Made of galvanized steel.
High resistance to weather conditions.
Robust and durable construction.
Simple and quick installation.
Compatible with standard circular duct systems.

Sheet metal thickness:

- Diameters 80–300 mm: $t = 0.6$ mm;
- Diameter 315 mm: $t = 0.7$ mm;
- AISI 316 stainless steel: $t = 0.7$ mm.

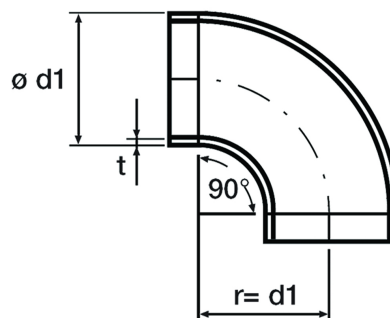
Insertion length:

- Diameters 80–250 mm: 40 mm;
- Diameters 280–315 mm: 60 mm.

Models

Available models:

- B – Pressed galvanized sheet elbow with angles of 15°, 30°, 45°, 60°, 90°;
- BG – Pressed galvanized sheet elbow with double-lip gasket, available in 45° and 90°;
- BS – Segmented galvanized sheet elbow with angles of 15°, 30°, 45°, 60°, 90°;
- BSG – Segmented galvanized sheet elbow with double-lip gasket, available in 45° and 90°;
- BX – Pressed elbow in stainless steel 316 2B.



Dimensions and Price List

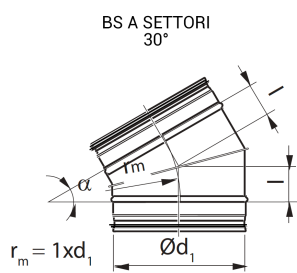
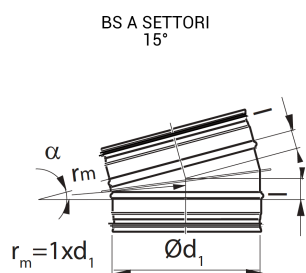
Dimensions are expressed in mm.

The diameter 200 mm bend is not in conformity with the drawing.

Ø d1	B15 - B30 - B45				B60 - B90			BG 90°
	B 15°	B 30°	B 45°	BX 45°	B 60°	B 90°	BX 90°	
	€	€	€	€	€	€	€	€
80	11,34	8,79	9,88	69,84	10,78	11,07	80,86	16,41
100	13,33	10,34	11,07	80,86	12,37	12,81	93,75	15,34
120		a.r.	21,11		24,11	29,19		
125	16,62	12,88	13,38	101,10	14,23	16,55	121,30	18,86
140			18,23		18,92	25,24		
150	20,54	15,92	16,55	121,30	21,11	22,08	161,73	25,00
160	21,61	16,74	17,27		22,97	23,99		26,98
180	24,74	19,18	22,08		27,83	30,15		
200	29,03	22,50	24,11		31,45	35,29		37,91
250	44,57	34,54	36,64		49,06	56,91		64,64
280			37,43		55,72	62,78		
300	50,85	39,41	40,59		61,65	69,27		77,54
315	57,05	44,21	47,65		66,67	72,04		81,35

Sectoral Bends Dimensions





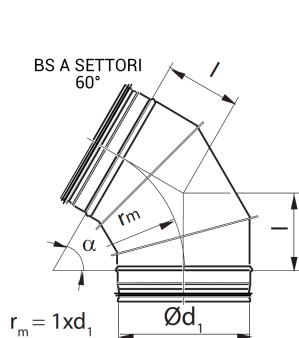
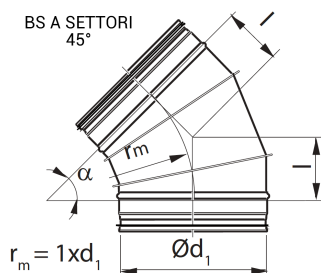
BS A SETTORI
45°

α

r_m

$r_m = 1x d_1$

$\varnothing d_1$



BS A SETTORI 90°

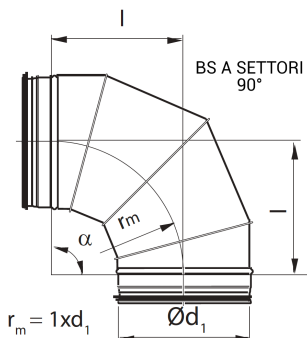
l

α

r_m

$\varnothing d_1$

$r_m = 1 \times d_1$



Ød ₁	BS 15°		€	BS 30°		€	BS 45°		€	BS 60°		€	BS 90°		€
	l	kg		l	kg		l	kg		l	kg				
	mm			mm			mm			mm			mm	mm	
355	47	1,41	61,51	95	1,70	61,51	147	2,26	71,52	205	2,80	94,40	355	3,75	94,40
400	53	1,70	64,37	107	2,27	64,37	166	2,96	80,09	231	3,47	101,56	400	5,64	102,98
450	59	2,20	72,96	121	3,00	72,96	186	4,00	92,97	260	4,70	123,01	450	7,00	131,58
500	66	2,65	84,40	134	3,70	87,25	207	4,90	111,56	289	6,00	150,18	500	8,20	160,19