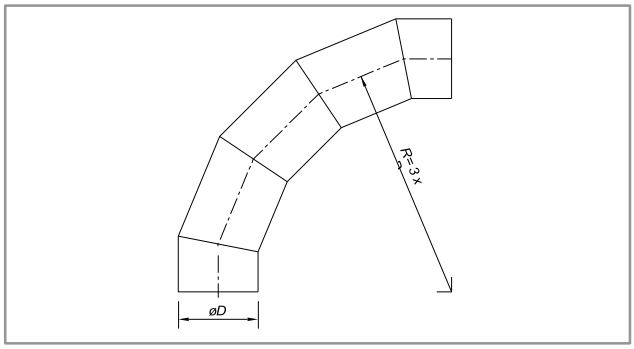
VENTILATION LAYFLAT DUCT DATA SHEET

Advantages of Ventilation Layflat

Using five segments for a 90° turn and the ratio of R = 3D, the Ventilation Layflat Bend minimizes static pressure and energy loss when applied to flexible ducting.
When the fan is running, the design ensures the Ventilation Layflat Bend maintains an optimal shape for air handling, delivering maximum flow efficiency while redirecting airflow.



Description

The Layflat Ventilation Bend is supplied with the specified type of coupling and suspension hooks as requested by the customer. It also includes the necessary suspension eyelets for secure installation onto the wire.

When equipped with the Ventilation Layflat VF-coupling, the bend features a zip coupler on both ends, allowing it to be used for both right and left turns. For other types of couplings, the direction of the turn must be specified

Technical Specifications

Grade	Ventilation Layflat	FR or FRAS			
Angle	Bend	30°	45°	60°	90°
Zeta	ζ	0.10	0.13	0.18	0.25
Turn	Bend	Left (L)/Right (R)			
øD	mm	Duct diameter			
Suspension	Hook	VF or LP			
Coupling	Type	VF, Velcro or Zip			

Options and Accessories

- Suspension eyelets at both sides (top and bottom) for use as left and right (L/R) bend.
- Vertical mode
- Custom made angle

How to order

Ventilation Layflat Bend/Grade/øD/Angle/Turn/Type of coupling/Type of suspension hook

	R = 3D	FR				FRAS			
		W ~kg *)				W ~kg *)			
øD mm	R mm	30°	45°	60°	90°	30°	45°	60°	90°
500	1500	1.3	2.5	4.0	5.0	1.3	2.7	4.3	5.4
600	1800	1.7	3.4	5.4	6.7	1.8	3.6	5.7	7.2
700	2100	2.2	4.3	6.9	8.6	2.3	4.6	7.4	9.2
800	2400	2.4	4.9	7.8	9.7	2.6	5.2	8.3	10
900	2700	2.7	5.4	8.6	11	2.9	5.8	9.2	12
1000	3000	3.3	6.6	11	13	3.5	7.1	11	14
1100	3300	4.0	8.0	13	16	4.3	8.5	14	17
1200	3600	4.7	9.4	15	19	5.0	10	16	20
1300	3900	5.5	11	18	22	5.9	12	19	23
1400	4200	6.3	13	20	25	6.7	13	22	27
1500	4500	7.2	14	23	29	7.7	15	25	31
1600	4800	8.2	16	26	33	8.7	17	28	35
1700	5100	9.2	18	29	37	9.8	20	31	39
1800	5400	10	21	33	41	11	22	35	44
1900	5700	13	26	42	52	14	28	45	56
2000	6000	14	29	46	57	15	31	49	61
2100	6300	16	31	50	63	17	34	54	67
2200	6600	17	34	55	68	18	37	58	73
2300	6900	19	37	59	74	20	40	64	79
2400	7200	20	40	64	80	21	43	69	86
2500	7500	22	43	69	87	23	46	74	93

*) Without couplings

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