



AXUS Ancillaries

Ancillary Items for Circular Long Cased Axial Fans



1.0 Introduction

A range of ancillaries is available to match the AXUS range of fans. Although the information below is general, all the conditions, advice and guidance given in the AXUS I&M 671220 and the ATEX guide 671216 strictly apply.

2.0 Handling

Handle all materials with care and ensure ancillaries are sound and correctly match the fan(s) before attempting to fit.

All ancillaries require fixing to fan flange(s) at required position with appropriate fixings (i.e. locking nuts, bolts and washers).

Figure 1. Mounting Brackets

Install with or without AV's. Secure to floor, building structure or suspension frame.

CODE: CMB 31 (typical)

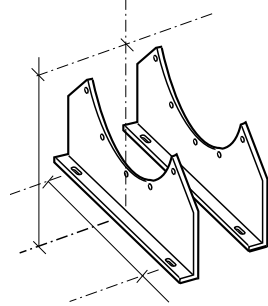


Figure 2. Inlet Cone

Manufactured in heavy gauge galvanised steel with a single bolted flange; guarded version optional.

Standard Accessory Losses (k)

Low loss inlet cone → 0.38

CODE: CIC 31 (typical)

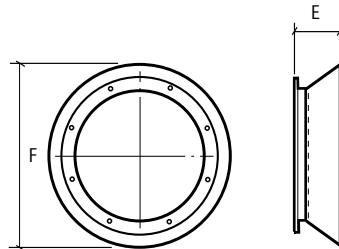


Figure 3. Matched Bolted Flange

Manufactured from heavy gauge galvanised steel, allows ductwork or flex to be terminated with a bolted flange.

CODE: CMF 31 (typical)

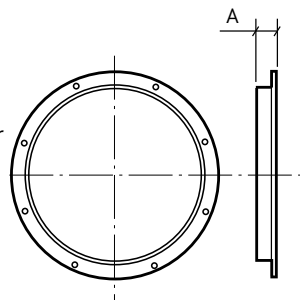


Figure 4. Wire Guards

Hot dipped galvanised for either inlet or outlet fixing; fitted with a single bolted flange.

Standard Accessory Losses (k)

→ 0.75

CODE: CGD 31 (typical)

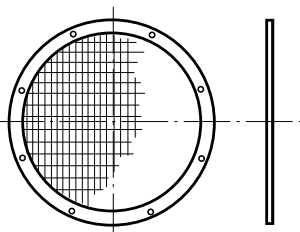


Figure 5. Backdraught Damper

Gravity operated damper to prevent backdraughts. Manufactured in heavy gauge galvanised steel; fitted with a pair of bolted flanges.

Standard Accessory Losses (k)

(Airstream operated) → 0.4

CODE: CBD 31 (typical)

N.B. Not suitable for vertical applications.

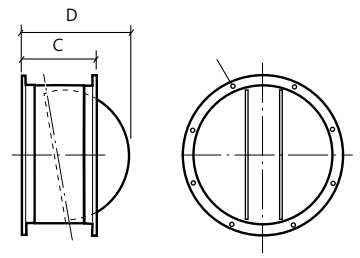
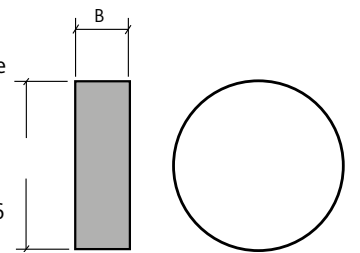


Figure 6. Flexible Connectors

Circular without flanges, flexible duct material is flameproof resistant to heat up to 130°C, chemicals, ozone, oil and grease. The material is airtight, waterproof and tested to BS476 Part 7.

Secure to flange and ductwork with the clamping bands provided, ensure that duct misalignment is not corrected by the flexible connector and that it is neither too tight nor too slack. Either condition can contribute to noise and impair fan performance.

CODE: CFC 31 (typical)



3.0 Dimensions (mm) and Weights

Fan Size (cm)	A	B	C	D	E	F	G	H	Guard (kg)	Inlet Cone (kg)	B/ draught Damper (kg)
25	65	150	350	350	85	355	170	300	0.4	1.5	6
31	65	150	350	350	85	405	210	355	0.5	2	7.5
35	65	150	350	350	90	460	240	395	1	2	9
40	65	150	350	350	90	520	270	450	1.5	3	11
45	65	150	350	350	90	580	300	500	1.7	4	14
50	65	150	350	350	100	650	340	560	2.3	5	16.5
56	65	150	350	360	100	700	370	620	2.8	6	20
63	65	150	350	400	130	830	430	690	3.2	9	22.5
71	65	150	350	440	170	920	470	770	3.7	11	27.5
80	65	150	350	470	200	1050	540	860	4	13	35
90	65	150	350	520	220	1180	600	970	7	20	55
100	65	150	350	580	230	1300	670	1070	7	23	66.5
112	65	150	350	920	260	1450	750	1190	8	32	80
125	65	150	350	985	300	1600	830	1320	8	40	88
140	65	150	500	1000	320	1850	940	1480	10	45	110
150	65	150	500	1100	550	1760	1000	1560	13	48	125
160	65	150	500	1200	-	-	1070	1660	15	-	140
180	65	150	500	1300	-	-	1025	1870	18	-	220
200	65	150	500	1500	-	-	1250	2080	20	-	266

4.0 Maintenance

Ancillaries do not require any maintenance but it is advisable to check the fixings security periodically and for any build-up of dirt and debris.