

### Description

Rollflex non-compressible duct is formed by a single ply aluminium band, helically wound and corrugated with a 4-ply folded and crimped seam. The all metal construction makes the duct virtually non-compressible.

Rollflex can be easily bent by hand while retaining its basic round shape. It comes in plain, insulated and insulated acoustic forms. The insulated duct has R1.0 m<sup>2</sup> K/W glasswool retained by a vapour barrier sleeve.

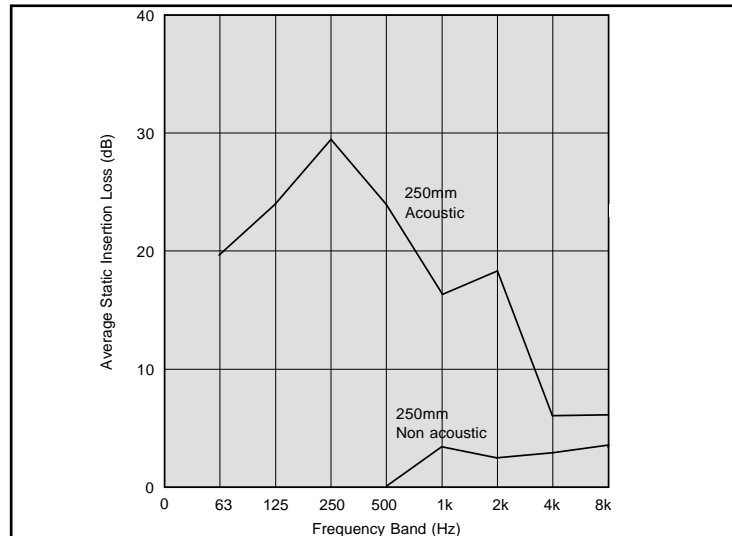
Available in 3 metre lengths only.

### Ordering procedure

Using the chart below, select your requirements and substitute the underscored text **AFL3..R..I..D..A**

**Example:** If your requirement is for a 8" (203 mm) dia. fire rated duct, the ordering code would be: **AFL3..F.40..08..P** (When ordering it is not necessary to include the periods [..])

Type	Fire Rating "R"		Insulation "I"		Diameter (inch) "D"	Noise Attenuation "A"	
	Standard	Fire Rated	Nude core	Insulated		Acoustic	Plain
AFL3	S	F	00	40	06 (152)	A	P
"	S	F	00	40	08 (203)	A	P
"	S	F	00	40	10 (254)	A	P
"	S	F	00	40	12 (304)	A	P
"	S	F	00	40	14 (355)	A	P
"	S	F	00	40	16 (406)	A	P
"	S	F	00	40	18 (457)	A	P
"	S	F	00	40	20 (508)	A	P



### Acoustic properties

Insulated Rollflex duct may be supplied with small perforations in the duct core. These perforations serve to improve the acoustic properties of the duct. The duct can be supplied in either acoustic or plain form, however acoustic duct will always be insulated.

The sound attenuation graph above has been based on NATA test (report No. 946-87)

### Performance ratings

#### Air velocity

- \* 30 m/s maximum (unperforated core)
- \* 15 m/s maximum (perforated core)

#### Working pressure

- \* 3000 Pa maximum (unperforated core)
- \* 1000 Pa maximum (perforated core)

#### Working vacuum

- \* 3000 Pa maximum (unperforated core)
- \* 1000 Pa maximum (perforated core)

#### Working temperature uninsulated

- \* 300 deg C on internal and external surface

#### Working temperature insulated

- \* 120 deg C on internal surface
- \* 80 deg C on External surface