

European Super Medium Weight Annular Corrugated Tube

Arcflex stainless steel butt welded tube corrugated by a continuous process to suit general industrial applications, achieving long lengths without the need for joins.

Typ. AES/AMS

Its uniform profile of rounded corrugations makes this tube ideal for high volume production with continuous quality throughout.

Flexing characteristics exceed type 'C' in BS6501

Features

- Available in long lengths without joins
- Supplied in standard length coils
- Even dimensional characteristics of corrugations throughout
- Available in super fine pitch with uniform corrugations- see Super Annular
- Suitable for vacuum applications



Arcflex European Standard Range Type AES

Part No.	Un-Braided Tube Details						Braided Tube		Max Pressure at 20°C Ambient			
	Nominal Bore		ID	OD	Strip Y	Pitch	Min Bend Rad. Static	Flexing	Working	Burst	Working	Burst
	inch	mm	mm	mm	mm	mm	mm	mm	bar	bar	bar	bar
AES-08	1/4	8	7.6	10.7	0.2	2.7	30	30	10.0	44.4	114	456
AES-10	3/8	10	11.1	15.6	0.2	2.9	32	110	7.4	38.3	105	420
AES-12	1/2	12	12.2	17.5	0.2	3.1	34	125	6.0	31.1	80	320
AES-15	1/2	15	14.0	18.7	0.2	3.2	40	140	5.0	24.5	75	290
AES-18	5/8	18	16.0	21.2	0.2	3.4	50	150	4.4	20.0	70	280
AES-20	3/4	20	20.3	26.5	0.2	3.6	45	160	3.8	17.7	60	240
AES-25	1	25	25.4	31.7	0.25	3.7	70	190	4.4	23.5	50	200
AES-32	1.1/4	32	32.0	38.9	0.25	3.7	90	205	3.6	15.2	40	160
AES-40	1.1/2	40	40.0	48.9	0.3	5.2	125	235	3.4	14.2	30	120
AES-50	2	50	50.0	59.3	0.3	5.2	190	270	3.1	8.8	28	112

Arcflex European Medium Range Type AMS

Part No.	Un-Braided Tube Details						Braided Tube		Max Pressure at 20°C Ambient			
	Nominal Bore		ID	OD	Strip Y	Pitch	Min Bend Rad. Static	Flexing	Working	Burst	Working	Burst
	inch	mm	mm	mm	mm	mm	mm	mm	bar	bar	bar	bar
AMS-08	1/4	8	7.8	10.5	0.25	2.1	30	60	12.0	48.0	114	456
AMS-10	3/8	10	11.1	15.6	0.25	2.7	32	110	10.0	40.0	105	420
AMS-12	1/2	12	12.2	17.5	0.25	2.8	34	125	8.0	32.0	80	320
AMS-15	1/2	15	14.0	18.7	0.25	2.9	40	140	7.0	28.0	70	280
AMS-18	5/8	18	16.0	21.2	0.25	3.0	50	150	6.0	24.0	60	240
AMS-20	3/4	20	20.3	26.5	0.25	3.4	45	160	5.0	20.0	53	211
AMS-25	1	25	25.4	31.7	0.3	3.6	70	190	6.0	24.0	60	240

Options

- A wide style of end fittings available upon request
- TIG welded, Brazed or Non-welded assemblies available
- Fully cleaned and mass spectrometer testing available
- Various protective covers available
- Higher pressure can be achieved using heavier braids

Cyclic tests carried out by Aerospace Laboratories exceed 100,000 cycles for this range

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