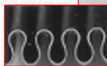
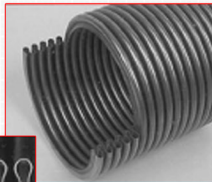


Omega Annular Corrugated Hose - Standard Profile

Omega Typ. AOS

Arcflex Omega standard is a high quality annular stainless corrugated flexible tubing, with higher flexing characteristics compared to conventional 'U' form corrugations and is designed for a broad range of applications.

The revolutionary omega forming process minimises stress, retaining an even wall thickness, recognised technically as a superior corrugated hose product.



close pitch

Picture illustrates Standard type Omega corrugations

Features

- Long life expectancy
- Cyclic life is doubled when compared to 'U' formed corrugated tubes
- Standard Omega profile - all spherical surfaces
- Smaller bend radii than conventional annular corrugations
- Produced in larger diameters
- Temp -297°C to +800°C
- Braided braid used for 10" and above as standard
- Available in material grades 304 and 316L as standard. 321 and monel to order

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	Unbraided		Single Braided	
	inch	mm	mm	mm	mm	mm	mm	mm	Working bar	Burst bar	Working bar	Burst bar
*AOS-25	1"	25	27.0	36.5	0.3	8.0	90	170	3.4	13.5	50	200
*AOS-32	1.1/4"	32	32.5	46.5	0.3	8.5	110	180	2.5	9.8	50	200
*AOS-40	1.1/2"	40	41.0	54.5	0.4	9.0	120	200	2.9	11.8	40	160
*AOS-50	2"	50	53.5	70.5	0.4	10.0	135	225	1.8	7.1	20	80
AOS-65	2.1/2"	65	67.0	84.9	0.4	11.5	150	160	2.2	8.6	20	80
AOS-80	3"	80	78.5	100.5	0.4	12.0	220	275	1.6	6.3	16	64
*AOS-90	3.1/2"	90	92.5	116.5	0.4	13.0	240	300	1.0	4.0	12	48
AOS-100	4"	100	103.5	126.5	0.4	14.0	280	350	1.2	4.8	12	48
AOS-125	5"	125	128.5	153.5	0.45	14.0	425		1.2	4.8	11	44
AOS-150	6"	150	152.0	180.5	0.45	15.0	500	100	1.0	3.9	10	40
*AOS-175	7"	175	177.5	206.5	0.5	15.0	600		1.0	3.9	9	36
AOS-200	8"	200	203.0	233.0	0.5	16.0	750		0.9	3.5	10	40
*AOS-225	9"	225	227.0	259.0	0.6	16.0	850		0.9	3.5	12	46
AOS-250	10"	250	251.0	285.0	0.6	16.5	900		0.8	3.1	11	44
*AOS-275	11"	275	276.0	311.0	0.7	17.0	1050		0.8	3.1	12	48
*AOS-300	12"	300	300.5	336.5	0.7	19.0	1200		0.7	2.8	12	48

* Not standard stock - produced to order

Double Braided increases pressure over Single Braid by 60%

Pressures shown are for Type SB braid up to 6" - 8" and above with type ABB (Braided Braid)

Higher pressures can be achieved using ABB braid from 4" and above or using Hoop bar method of assembly

- A wide style of end fittings available upon request
- TIG welded, Brazed or Non-welded assemblies available
- Fully cleaned and mass spectrometer testing available
- Higher pressures and safety improvement using 2 ply omega
- Use of braided braid to reduce wear on corrugations can be supplied from 4" and above
- Available in open pitch type AOW

Document No. = L-0017-A