

## High Pressure Range

### Heavy Weight Annular Corrugated Tube

Arcflex stainless steel butt welded tube corrugated by a continuous process from thicker strip to form a higher strength flexible tube and when used with type XB braid achieves higher pressure ratings.

Close pitch corrugations in long lengths without joints is essential for high pressure characteristics.

Typ. AHS



## Features

- Available in long lengths without joints
- Temp range -270°C to +800°C
- Pressures up to 320 bar can be achieved with double braid
- Pressure can be increased by 20% if assemblies are manufactured in house using Arcflex's higher pressure designed fittings and assembly methods
- Even dimensional characteristics of corrugations throughout

Part No.	Un-Braided Tube Details						Braided Tube		Max Pressure at 20°C Ambient			
	Nominal Bore		ID	OD	Strip 't'	Pitch	Min Bend Rad.		Unbraided		Single Braided	
	inch	mm	mm	mm	mm	mm	Static	Flexing	Working	Burst	Working	Burst
AHS-08	1/4	8	7.8	10.5	0.3	2.7	90	170	15.0	60.0	203	812
AHS-10	3/8	10	11.1	15.6	0.3	3.3	110	180	12.0	48.0	180	720
AHS-12	1/2	12	12.2	17.5	0.3	3.4	120	200	11.0	44.0	170	680
AHS-15	1/2	15	14.0	18.7	0.3	3.5	135	225	10.0	40.0	160	640
AHS-18	5/8	18	16.0	21.2	0.3	3.6	150	160	9.0	36.0	135	540
AHS-20	3/4	20	20.3	26.5	0.3	3.7	220	275	8.0	32.0	95	380
AHS-25	1	25	25.4	31.7	0.35	3.8	240	300	8.0	32.0	78	312

Note: Fabricators to allow 20% pressure reduction if welding standard fittings/ ferrules  
 Extra Braid should be woven directly onto the hose by Arcflex assembly line  
 Secondary braiding may not lock under pressure in union with the inner braid

## Options

- Factory fitted high pressure swage/welded fittings and ferrules can increase pressure
- 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

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