

## Ultraflex Range Annular Corrugated Hose

Arcflex stainless steel butt welded tube corrugated into a low profile, close pitch hose by our unique continuous process for long length production, without the need for hose joins.

This process enables a thinner thickness of strip, known to be much more difficult to weld and control in other processes, to gain a light highly flexible tube in a low profile form with many more corrugations.

### Features

- Available in long lengths without joins
- Temp range -270°C to +800°C
- Highly flexible, excellent absorption of vibration
- Excellent durability against repetition movement
- Extra thin wall, achieves lower spring rate resulting in far less loads onto adjacent pipework
- Even dimensional characteristics of corrugations throughout
- Ensures cleanliness throughout the bore as no oil is necessary in manufacture

### Ultraflex Light

Annular Corrugated light weight hose with standard pitch corrugations for high flexibility in a low profile form.

Part No.	Un-Braided Tube Details						Braided Tube		Max Pressure at 20°C Ambient			
	Nominal Bore		ID	OD	Strip 't'	Pitch	Min Bend Rad.	Flexing	Unbraided		Single Braided	
	inch	mm	mm	mm	mm	mm	mm	mm	Working bar	Burst bar	Working bar	Burst bar
AUL-05	3/16	5	5.4	8.9	0.15	1.6	15	45	8.0	32.0	130	520
AUL-08	1/4	8	7.9	11.7	0.15	2.6	20	60	6.6	26.4	92	368
AUL-10	3/8	10	11.1	15.6	0.15	2.9	25	70	4.8	19.2	84	336
AUL-12	1/2	12	12.2	17.5	0.15	3.1	30	80	3.8	15.2	75	300
AUL-15	1/2	15	15.0	20.0	0.15	3.3	30	80	3.5	14.0	70	280
AUL-20	3/4	20	20.0	24.8	0.15	3.5	35	115	2.7	10.8	52	208
AUL-25	1	25	25.4	31.5	0.2	3.7	60	125	3.3	13.2	42	168
AUL-32	1.1/4	32	32.0	38.9	0.2	3.7	80	145	2.3	9.2	31	124
AUL-40	1.1/2	40	40.0	48.2	0.2	5.1	90	150	2.1	8.4	28	112
AUL-50	2	50	50.0	59.0	0.2	5.2	120	230	1.6	6.4	25	100

Typ. AUL



### Ultraflex Super

Annular Corrugated light weight hose with a closer pitch than Ultraflex Light providing a higher degree of flexibility with far more corrugations in a low profile form.

Part No.	Un-Braided Tube Details						Braided Tube		Max Pressure at 20°C Ambient			
	Nominal Bore		ID	OD	Strip 't'	Pitch	Min Bend Rad.	Flexing	Unbraided		Single Braided	
	inch	mm	mm	mm	mm	mm	mm	mm	Working bar	Burst bar	Working bar	Burst bar
AUS-10	3/8	10	10.8	15.8	0.15	1.2	25	45	8.0	32.0	90	360
AUS-12	1/2	12	12.0	17.8	0.15	1.8	30	50	6.6	26.4	80	320
AUS-15	1/2	15	14.5	19.8	0.15	2.0	30	55	4.8	19.2	70	280
AUS-20	3/4	20	19.8	25.0	0.15	2.1	35	70	3.8	15.2	64	256
AUS-25	1	25	25.2	31.7	0.2	2.3	60	80	3.5	14.0	50	200
AUS-32	1.1/4	32	31.8	39.0	0.2	2.4	80	105	2.7	10.8	40	160
AUS-40	1.1/2	40	39.8	48.4	0.2	2.8	90	120	3.3	13.2	30	120
AMS-50	2	50	49.8	59.3	0.2	3.0	120	150	2.3	9.0	28	112

Typ. AUS



### 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

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