



*G-line Hose, Fittings and Wiggins Couplings*

***Section:01***

# G-LINEXF

The Worlds Leading Flexible PTFE Hose



At the cutting edge of motorsport, a fraction of a second is the difference between winning and just taking part. You need the best. At Goodridge we have combined our 30 years of motorsport experience with a continuous research and development programme, to bring you the ultimate PTFE hose... one product that incorporates all the advantages of both convoluted and smooth bore designs.

### Advantages

G-Line XF has outstanding resistance to pressure, much higher than that of conventional convoluted PTFE lined hose. In addition to this G-Line XF hose flow rates are always significantly higher than convoluted PTFE hose and may allow you to reduce the bore size with the consequent weight and cost savings.

All sizes of G-Line XF are usable at full vacuum up to 130°C. Above this, the vacuum resistance should be reduced 1% for every degree above 130°C. Stainless Steel braided hose is used in applications involving higher temperatures. High tensile grade 304 stainless steel wire is used, to give maximum pressure resistance and external protection to the hose.

## Hose 910

**Application :**  
Fuel, Oil, Water, Methanol, Air  
**Temperature range :**  
-45°C to +170°C  
**Material :** Anti-Static  
PTFE smoothbore, Aramid fibre Braid

910 is the number one choice of leading motorsport teams, and our flagship lightweight hose. 910 combines a woven super-light Aramid braid, with a PTFE inner bore- smooth inside for increased flow and convoluted outside for amazing flexibility.



PART NO	BORE SIZE		BRAID		WORKING PRES		BURST PRES		WEIGHT		MIN BEND RAD	
	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
910-04	6.85	.270	10.3	.406	90	1320	360	5290	0.055	.0367	23.5	.925
910-06	9.53	.375	13.0	.512	80	1180	320	4700	0.088	.0591	20	.787
910-08	12.70	.500	16.5	.650	70	1030	280	4120	0.141	.0947	38	1.426
910-10	15.88	.625	20.8	.819	65	955	260	3820	0.201	.1351	45	1.772
910-12	19.05	.750	24.4	.961	60	880	240	3530	0.292	.1962	50	1.969
910-16	25.40	1.000	32.3	1.272	50	740	200	2940	0.416	.3199	70	2.756
910-20	32.00	1.260	38.4	1.512	45	666	180	2645	0.850	.6536	100	3.937

## Hose 811

**Application :**  
Fuel, Oil, Water, Methanol, Air  
**Temperature range :**  
-70°C to 260°C  
**Material :** Anti-Static  
PTFE smoothbore, Stainless steel braid

811 hose has all the flexibility and flow rate advantages of 910 hose with a stainless steel braid for additional protection. Compatible with fully crimped fittings or the revolutionary 811 series reusable fittings (see page 17)



PART NO	BORE SIZE		BRAID OD		WORKING PRES		BURST PRES		WEIGHT		MIN BEND RAD	
	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
811-04	6.85	.270	9.6	.378	90	1320	360	5290	0.09	.0414	19	.750
811-06	9.53	.375	13.0	.512	80	1180	320	4700	0.14	.0941	20	.787
811-08	12.70	.500	16.5	.650	70	1030	280	4120	0.29	.1949	38	1.496
811-10	15.88	.625	20.8	.819	65	955	260	3820	0.35	.2352	45	1.772
811-12	19.05	.750	24.4	.961	60	880	240	3530	0.40	.2688	50	1.969
811-16	25.40	1.000	32.3	1.272	50	740	200	2940	0.63	.4233	70	2.756
811-20	32.00	1.260	38.8	1.528	45	666	180	2645	0.60	.4032	100	3.937

## Hose 910 FC (Fuel Cell)

**Application :**  
Fuel tank systems  
**Temperature range :**  
-45°C to 50°C  
**Material :**  
PTFE smoothbore tube

- 2 x Options:
- Clear PTFE (non Anti-Static)
  - Black PTFE (Anti-Static)

This product is perfect for the inside of fuel cells, for lift pump applications. 910-06FC and 910-08FC uses just the centre PTFE tube of G-Line hose, removing the outer braid to reduce weight and ensure cleanliness in the

tank. Compatible with all fuels including methanol, it can be cut to specific lengths for use with the standard G-Line fittings.



PART NO	BORE SIZE		BRAID		WORKING PRESSURE		BURST PRES		WEIGHT		MIN BEND RADIUS	
	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
910-06FC	9.53	.375	11.75	.463	5	74	20	295	.06	.0403	60.0	2.362
910-08FC	12.70	.500	15.40	.606	5	74	20	295	.15	.1008	60.0	2.362

Material Key

B: Brass, C: Stainless Steel, CH: Chrome Plated, D: Aluminium, EN: Electroless Nickel, P: Zinc Plated Carbon Steel, T: Titanium

## G-line Hose Fully Convoluted

The ultimate range of ultra flexible and light weight hose and fittings. Developed exclusively by Goodridge - the world's leading supplier of

lightweight PTFE hose. Our G-line product ranges are the first choice of leading F1, IRL, NASCAR teams and of W.R.C. competitors. 710 and 510

G-Line combines lightness with superb strength and flexibility. The wide fitting range is designed to meet all possible applications and requirements.

## G-line Hose Fully Convoluted - Hose 710

**Application :**

Fuel, Oil, Water, Methanol, Air

Temperature range :  
-45°C to +170°C

Material : Anti-Static  
Convoluted PTFE bore,  
Aramid fibre Braid

This exclusive Goodridge development has changed the perception of traditional fluid transfer hoses, worldwide. Constructed of a convoluted PTFE inner tube with a carbon impregnated static dissipation liner (impervious to virtually all chemicals) and covered with the industry's only source of black Aramid

Fibre. This combination offers a fluid transfer hose with strength and pressure ratings superior to most stainless steel braided hoses. Our exclusive 710 Series Hose is over 60% lighter than stainless braided nitrile hose and 30% lighter than our 510 Series stainless braided convoluted PTFE hose. Its convoluted form gives it collapse resistant flexibility

that offers a 70% tighter bend radius saving time, material and weight. The Aramid Fibre outer braid is literally a bullet-proof material, offering superior strength and fire resistance.

PART NO	BORE SIZE		PTFE WALL THICKNESS		OUTER DIAMETER		WORKING PRES		BURST PRES		WEIGHT		MIN BEND RADIUS	
	MM	IN	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
710-04	7.1	0.280	0.58	0.023	11.3	0.445	70	1025	330	4850	0.075	0.05	20	0.787
710-06	9.5	0.375	0.68	0.027	14.4	0.567	64	940	256	3760	0.089	0.06	25	0.985
710-08	13.3	0.525	0.68	0.027	19.2	0.756	58	850	235	3450	0.134	0.09	25	0.985
710-10	16.0	0.630	0.76	0.030	21.5	0.846	50	735	200	2930	0.164	0.11	32	1.260
710-12	19.5	0.768	0.80	0.031	25.6	1.008	35	510	170	2495	0.193	0.13	40	1.575
710-16	25.4	1.000	0.94	0.037	33.9	1.335	33	485	133	1950	0.237	0.16	50	1.968
710-20	31.8	1.250	0.96	0.038	36.5	1.457	25	367	75	1102	0.461	0.31	70	2.756



## G-line Hose Fully Convoluted - Hose 510

**Application :**

Fuel, Oil, Water, Methanol, Air

Temperature range :  
-70°C to +260°C

Material : Anti-Static  
Convoluted PTFE bore,  
Stainless steel braid

Introduced by Goodridge as the Racing World's first ultra lightweight stainless steel fluid transfer hose. Constructed of a convoluted PTFE inner tube with impregnated carbon to dissipate static, and covered with an outer braid of closely woven 304 grade high tensile stainless steel. Our 510 Series Hose is a perfect fit when strength and high

abrasion resistance are required on a lightweight and flexible fluid transfer system. 510 Series Hose is over 30% lighter than traditional stainless steel braided nitrile hose and its convoluted form gives it collapse resistant flexibility that offers a 70% tighter bend radius; saving time, material and weight.

PART NO	BORE SIZE		PTFE WALL THICKNESS		OUTER DIAMETER		WORKING PRES		BURST PRES		WEIGHT		MIN BEND RADIUS	
	MM	IN	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
510-04	7.1	0.280	0.58	0.023	11.0	0.433	70	1025	330	4850	0.089	0.06	20	0.787
510-06	9.5	0.375	0.68	0.027	14.6	0.575	64	940	256	3760	0.134	0.09	25	0.985
510-08	13.3	0.525	0.68	0.027	19.0	0.748	58	850	235	3450	0.193	0.13	25	0.985
510-10	16.0	0.630	0.76	0.030	21.3	0.839	50	735	200	2930	0.253	0.17	32	1.260
510-12	19.5	0.768	0.79	0.031	25.4	1.000	35	510	170	2495	0.327	0.22	40	1.575
510-16	25.4	1.000	0.94	0.037	32.7	1.285	33	485	133	1950	0.446	0.30	50	1.968





## Fully Machined G-line Swage/Crimp Fittings for: G-line & G-line XF 910, 710, 811, 510


Fitting Type :  
Swage / Crimp  
Application :  
Fuel, Oil, Water, Methanol, Air  
To Suit Hose :  
910, 710, 811, 510  
Material : D  
Colour : BU


Please Note:  
Collars need to be ordered separately  
for all swage / crimp fittings.  
(See Page: 14)


The only choice of fitting when the goal is to achieve the World's lightest fluid transfer system offering the utmost in racing environment performance, reliability and weight saving. These fully machined, one-piece fittings are designed for permanent attachment to all our G-line hose ranges. Our qualified Hose Technicians will individually build your assembly to your exacting specifications. You can build your own lines at your facility with the aid of our G-Line Hydraulic Swage/crimp Machines (see section 9).


4001	STRAIGHT FEMALE CONCAVE		
PART NO.	MATERIAL	JIC/UNF THREAD	
4001-04	D	7/16 X 20	
4001-06-M14	D	M14 X 1.50	
4001-06	D	9/16 X 18	
4001-08	D	3/4 X 16	
4001-10-M22	D	M22 X 1.50	
4001-10	D	7/8 X 14	
4001-12	D	1 1/16 X 12	
4001-16	D	1 5/16 X 12	
4001-20	D	1 5/8 X 12	


4045	45° FORGED FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
4045-04	D	7/16 X 20	
4045-06	D	9/16 X 18	
4045-08	D	3/4 X 16	
4045-10	D	7/8 X 14	
4045-12	D	1 1/16 X 12	


4046	45° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
4046-04	D	7/16 X 20	
4046-06-M14	D	M14 X 1.50	
4046-06	D	9/16 X 18	
4046-08	D	3/4 X 16	
4046-10	D	7/8 X 14	
4046-10-M22	D	M22 X 1.50	
4046-12	D	1 1/16 X 12	
4046-16	D	1 5/16 X 12	


4090	90° FORGED FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
4090-04	D	7/16 X 20	
4090-06	D	9/16 X 18	
4090-08	D	3/4 X 16	
4090-10	D	7/8 X 14	
4090-12	D	1 1/16 X 12	

4091	90° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
4091-04	D	7/16 X 20	
4091-06-M14	D	M14 X 1.50	
4091-06	D	9/16 X 18	
4091-08	D	3/4 X 16	
4091-10-M22	D	M22 X 1.50	
4091-10	D	7/8 X 14	
4091-12	D	1 1/16 X 12	
4091-16	D	1 5/16 X 12	

4120	120° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
4120-04	D	7/16 X 20	
4120-06	D	9/16 X 18	
4120-08	D	3/4 X 16	
4120-10	D	7/8 X 14	
4120-12	D	1 1/16 X 12	
4120-16	D	1 5/16 X 12	

4150	150° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
4150-04	D	7/16 X 20	
4150-06	D	9/16 X 18	
4150-08	D	3/4 X 16	
4150-10	D	7/8 X 14	
4150-12	D	1 1/16 X 12	
4150-16	D	1 5/16 X 12	

4180	180° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
4180-04	D	7/16 X 20	
4180-06	D	9/16 X 18	
4180-08	D	3/4 X 16	
4180-10	D	7/8 X 14	
4180-12	D	1 1/16 X 12	
4180-16	D	1 5/16 X 12	

4441	STRAIGHT MALE CONVEX SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
4441-04	D	7/16 X 20	
4441-06	D	9/16 X 18	
4441-08	D	3/4 X 16	

Material Key

B: Brass, C: Stainless Steel, CH: Chrome Plated, D: Aluminium, EN: Electroless Nickel, P: Zinc Plated Carbon Steel, T: Titanium

## Brazed Swage/Crimp Fittings for: G-line And G-line XF, 910, 710, 811, 510

Fitting Type :

Swage / Crimp

Application :

Fuel, Oil, Water, Methanol, Air

To Suit Hose :

910, 710, 811, 510

Material : D

Colour : BU

Please Note:

Collars need to be ordered separately for all swage / crimp fittings. (See Page: 14)

Where the requirement is for a lower cost fitting to a standard bend radius the G Line brazed range is the product of choice. Manufactured and brazed in house to the highest standards, the Goodridge care and quality requirements are evident.

### 4031DBZ

#### 30° SWEPT TUBE FEMALE



PART NO.	MATERIAL	JIC/UNF THREAD
4031-06DBZ	D	9/16 X 18
4031-08DBZ	D	3/4 X 16
4031-10DBZ	D	7/8 X 14
4031-12DBZ	D	1 1/16 X 12
4031-16DBZ	D	1 5/16 X 12
4031-20DBZ	D	1 5/8 X 12

### 4046DBZ

#### 45° SWEPT TUBE FEMALE



PART NO.	MATERIAL	JIC/UNF THREAD
4046-04DBZ	D	7/16 X 20
4046-06DBZ	D	9/16 X 18
4046-08DBZ	D	3/4 X 16
4046-10DBZ	D	7/8 X 14
4046-12DBZ	D	1 1/16 X 12
4046-16DBZ	D	1 5/16 X 12
4046-20DBZ	D	1 5/8 X 12

### 4061-DBZ

#### 60° SWEPT TUBE FEMALE



PART NO.	MATERIAL	JIC/UNF THREAD
4061-06DBZ	D	9/16 X 18
4061-08DBZ	D	3/4 X 16
4061-10DBZ	D	7/8 X 14
4061-12DBZ	D	1 1/16 X 12
4061-16DBZ	D	1 5/16 X 12
4061-20DBZ	D	1 5/8 X 12

### 4091-DBZ

#### 90° SWEPT TUBE FEMALE



PART NO.	MATERIAL	JIC/UNF THREAD
4091-04DBZ	D	7/16 X 20
4091-06DBZ	D	9/16 X 18
4091-08DBZ	D	3/4 X 16
4091-10DBZ	D	7/8 X 14
4091-12DBZ	D	1 1/16 X 12
4091-16DBZ	D	1 5/16 X 12
4091-20DBZ	D	1 5/8 X 12

### 4120DBZ

#### 120° SWEPT TUBE FEMALE



PART NO.	MATERIAL	JIC/UNF THREAD
4120-04DBZ	D	7/16 X 20
4120-06DBZ	D	9/16 X 18
4120-08DBZ	D	3/4 X 16
4120-10DBZ	D	7/8 X 14
4120-12DBZ	D	1 1/16 X 12
4120-16DBZ	D	1 5/16 X 12

### 4150DBZ

#### 150° SWEPT TUBE FEMALE



PART NO.	MATERIAL	JIC/UNF THREAD
4150-04DBZ	D	7/16 X 20
4150-06DBZ	D	9/16 X 18
4150-08DBZ	D	3/4 X 16
4150-10DBZ	D	7/8 X 14
4150-12DBZ	D	1 1/16 X 12
4150-16DBZ	D	1 5/16 X 12

### 4180DBZ

#### 180° SWEPT TUBE FEMALE



PART NO.	MATERIAL	JIC/UNF THREAD
4180-04DBZ	D	7/16 X 20
4180-06DBZ	D	9/16 X 18
4180-08DBZ	D	3/4 X 16
4180-10DBZ	D	7/8 X 14
4180-12DBZ	D	1 1/16 X 12
4180-16DBZ	D	1 5/16 X 12

### 40776

#### NON SWIVEL BANJO




PART NO.	MATERIAL	HOLE SIZE
40776-04-M10	D	M10
40776-06-M12	D	M12
40776-06-M14	D	M14
40776-10-M18	D	M18


\* 15° and 75° swept tube available on sizes -12 and -16 by request.


## Adjustable Swage/Crimp Fittings for: G-line And G-line XF, 910, 710, 811, 510


Fitting Type :  
Swage / Crimp  
Application :  
Fuel, Oil, Water, Methanol, Air  
To Suit Hose :  
910, 710, 811, 510  
Material : D  
Colour : BU ●  
Please Note:  
Collars need to be ordered separately  
for all swage / crimp fittings.  
(See below)


Adjustable Swage G-Line Fittings are essential when last minute hose end orientation or in-field alignments are required. Additionally, they allow for hose assemblies to be used in multiple locations. Our 360-degree adjustable, 4400 Series G-Line Hose ends offer trouble free installation of pre-fabricated hose assemblies, with the reliability of a swage design. Our qualified Hose Technicians will individually build your assembly to your exacting specifications. You can build you own lines at your facility with the aid of our G-Line Hydraulic Swage Machines (see section 9).


4445		45° FORGED FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD		
4445-04	D	7/16 X 20		
4445-06	D	9/16 X 18		
4445-08	D	3/4 X 16		
4445-10	D	7/8 X 14		
4445-12	D	1 1/16 X 12		
4445-16	D	1 5/16 X 12		


4446		45° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD		
4446-04	D	7/16 X 20		
4446-06	D	9/16 X 18		
4446-08	D	3/4 X 16		
4446-10	D	7/8 X 14		
4446-12	D	1 1/16 X 12		
4446-16	D	1 5/16 X 12		


4490		90° FORGED FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD		
4490-04	D	7/16 X 20		
4490-06	D	9/16 X 18		
4490-08	D	3/4 X 16		
4490-10	D	7/8 X 14		
4490-12	D	1 1/16 X 12		
4490-16	D	1 5/16 X 12		

4491		90° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD		
4491-04	D	7/16 X 20		
4491-06	D	9/16 X 18		
4491-08	D	3/4 X 16		
4491-10	D	7/8 X 14		
4491-12	D	1 1/16 X 12		
4491-16	D	1 5/16 X 12		


44120		120° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD		
44120-04	D	7/16 X 20		
44120-06	D	9/16 X 18		
44120-08	D	3/4 X 16		
44120-10	D	7/8 X 14		
44120-12	D	1 1/16 X 12		
44120-16	D	1 5/16 X 12		

44150		150° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD		
44150-04	D	7/16 X 20		
44150-06	D	9/16 X 18		
44150-08	D	3/4 X 16		
44150-10	D	7/8 X 14		
44150-12	D	1 1/16 X 12		
44150-16	D	1 5/16 X 12		


44180		180° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD		
44180-04	D	7/16 X 20		
44180-06	D	9/16 X 18		
44180-08	D	3/4 X 16		
44180-10	D	7/8 X 14		
44180-12	D	1 1/16 X 12		
44180-16	D	1 5/16 X 12		

RC110		SWAGE COLLAR TO SUIT 510 & 710 HOSE FOR DRAW SWAGING	
PART NO.	MATERIAL		
RC110-04	D		
RC110-06	D		
RC110-08	D		
RC110-10	D		
RC110-12	D		
RC110-16	D		
RC110-20	D		

To Suit Hose Type : G-Line 510, 710  
Please Note : Collars need to be ordered separately for all swage / crimp fittings

RCC910		CRIMP COLLAR TO SUIT 811 & 910 HOSE FOR CRIMPING	
PART NO.	MATERIAL	JIC/UNF THREAD	
RCC910-04	D		
RCC910-06	D		
RCC910-08	D		
RCC910-10	D		
RCC910-12	D		
RCC910-16	D		

To Suit Hose Type : G-Line XF 910, 811  
Please Note : Collars need to be ordered separately for all swage / crimp fittings

RCC710		CRIMP COLLAR TO SUIT 510 & 710 HOSE FOR CRIMPING	
PART NO.	MATERIAL	JIC/UNF THREAD	
RCC710-04	D		
RCC710-06	D		
RCC710-08	D		
RCC710-10	D		
RCC710-12	D		
RCC710-16	D		

To Suit Hose Type : G-Line 510, 710  
Please Note : Collars need to be ordered separately for all swage / crimp fittings

Material Key

B: Brass, C: Stainless Steel, CH: Chrome Plated, D: Aluminium, EN: Electroless Nickel, P: Zinc Plated Carbon Steel, T: Titanium

## G-line Male Swivel Fittings

Fitting Type :  
Swage / Crimp  
Application :  
Fuel, Oil, Water, Methanol, Air  
To Suit Hose :  
910, 710, 811, 510  
Material : D  
Colour : BU ●

Please note:  
To avoid large 'step-ups' in size, not all tail sizes are available with all thread sizes.  
Collars need to be ordered separately for all swage / crimp fittings.  
(See Page 14)

These fittings allow for 'low profile' installation where space is limited. They feature a swivelling male spigot in UNF and metric sizes, which seals on an integral Buna -N 'O' ring and will fit into standard female ports.

**All parts are assembled and quoted to order. Please contact our Sales Department for pricing and availability.**

	G-LINE PREFIX	MALE O-RING SEAL SWIVEL	STRAIGHT MALE	TAIL SIZE-HOSE	JIC UNF THREAD	METRIC THREAD	MATERIAL ALUMINIUM
EXAMPLE PART NO. UNF	4	00	001	-04	-04		D
400001 -04 -04 D							
EXAMPLE PART NO. Metric	4	00	001	-04		M12	D
400001 -04 -M12 D							

FITTING ANGLE		TAIL SIZE		JIC UNF THREAD		METRIC THREAD SIZE		MATERIAL		G-LINE PREFIX		RANGE NUMBER	
PREFIX	PART NO.	PREFIX	PART NO.	PREFIX	PART NO.	PREFIX	PART NO.	PREFIX	PART NO.	PREFIX	PART NO.	PREFIX	PART NO.
45° BRAZED TUBE	046	-06 HOSE	-06	9/16 X 18	-06	14 X 1.5MM	M14	ALUMINIUM	D	G-LINE PREFIX	4	MALE O-RING SEAL SWIVEL	00
90° BRAZED TUBE	091	-08 HOSE	-08	3/4 X 16	-08	16 X 1.5MM	M16	ALUMINIUM	D				
120° BRAZED TUBE	120	-10 HOSE	-10	7/8 X 14	-10	18 X 1.5MM	M18	ALUMINIUM	D				
150° BRAZED TUBE	150	-12 HOSE	-12	1 1/16 X 12	-12								
180° BRAZED TUBE	180	-16 HOSE	-16	1 5/16 X 12	-16								

STRAIGHT



45°



90°



120°



150°



180°



\* 30° and 60° swept tube available in larger sizes by request.

## G-line Flexible Coupling Fittings for Wiggins To Suit G-line & G-line XF 910, 710, 811, 510

Fitting Type :  
Swage / Crimp  
Application :  
Fuel, Oil, Water, Methanol, Air  
To Suit Hose :  
910, 710, 811, 510  
Material : D  
Colour : BU ●

For rapid disconnection and where the need is to connect flexible hose to rigid tube use the Goodridge cup end fittings designed for use with our Wiggins flexible couplings. Listed below is our standard range – other sizes can be made to order. for a complete listing of flexible couplings please contact our sales department.

### 4001DFL

#### STRAIGHT



PART NO.	MAT	HOSE SIZE	WIGGINS
4001-06-06DFL	D	-06	-06
4001-08-08DFL	D	-08	-08
4001-10-10DFL	D	-10	-10
4001-12-12DFL	D	-12	-12
4001-16-16DFL	D	-16	-16

### 4046DFL

#### 45° SWEPT TUBE



PART NO.	MAT	HOSE SIZE	WIGGINS
4046-06-06DFL	D	-06	-06
4046-08-08DFL	D	-08	-08
4046-10-10DFL	D	-10	-10
4046-12-12DFL	D	-12	-12
4046-16-16DFL	D	-16	-16

### 4091DFL

#### 90° SWEPT TUBE



PART NO.	MAT	HOSE SIZE	WIGGINS
4091-06-06DFL	D	-06	-06
4091-08-08DFL	D	-08	-08
4091-10-10DFL	D	-10	-10
4091-12-12DFL	D	-12	-12
4091-16-16DFL	D	-16	-16

## Wiggins Flexible Fluid Couplings

**Design Features:**

**One-handed Installation, Standard Profile, Medium Pressure, Integral Electrical Bonding, Available in Aluminium and Stainless Steel.**

W994-XX-DE Clamp only (no sleeve, no ferrule)

W991-XX-DE Clamp + sleeve (no ferrule)

W903-XX-D Weld Ferrule

W908-XX-D Sleeve

OR-XX Green Viton O-Ring

-XX- insert your required size from -08 to -64

Clamps and ferrules also available in stainless steel

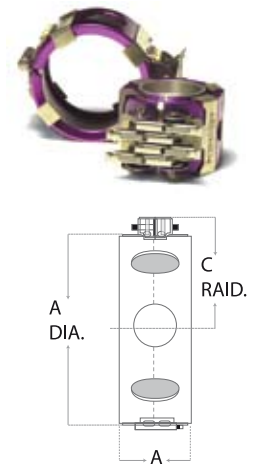
The W900 Series Clamshell Coupling is the result of more than three decades of experience at Adel Wiggins in the design and production of reliable flexible tube connectors. The W900 Series Clamshell Connectors utilize a locking latch design, eliminating the installation of safety wire and offering one-handed installation. Integral electrical bonding eliminates the need for external clamps, fasteners and jumper wire required by most other connectors. The elimination of safety wire, grounding clamps and jumpers provides for a low weight connector.



Goodridge offer a complete range of light weight hose fittings designed to connect directly onto Wiggins clamshell couplings, allowing you to connect from hard tube to flexible hose quickly and reliably (see page 15)

### WIGGINS FULL CONNECTORS (W991) (LESS FERRULES)

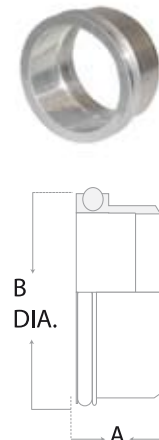
Tube O.D. Size	Aluminum		Stainless Steel		Seal Size per MS 33366	Dimensions		
	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.		A Max	B Max	C Max
1/2	W991-08DE	.034	W991-08CE	.056	-015	.739	.851	.90
5/8	W991-10DE	.038	W991-10CE	.061	-017	.739	.976	.96
3/4	W991-12DE	.043	W991-12CE	.080	-117	.829	1.156	1.04
1	W991-16DE	.052	W991-16CE	.101	-214	.923	1.432	1.16
1 1/4	W991-20DE	.058	W991-20CE	.117	-218	.923	1.682	1.27
1 1/2	W991-24DE	.062	W991-24CE	.132	-222	.923	1.952	1.40
1 3/4	W991-28DE	.070	W991-28CE	.153	-224	.923	2.211	1.52
2	W991-32DE	.083	W991-32CE	.191	-226	.989	2.505	1.66
2 1/2	W991-40DE	.097	W991-40CE	.232	-230	.989	2.996	1.90
3	W991-48DE	.144	W991-48CE	.357	-234	.989	3.554	2.17
3 1/2	W991-56DE	.176	W991-56CE	.450	-238	.989	4.088	2.43
4	W991-64DE	.201	W991-64CE	.519	-242	1.002	4.596	2.67



### WIGGINS WELD FERRULE (W903)

\*Material of ferrule must be compatible with material of tube.

Tube O.D. Size	Aluminum		Stainless Steel		Seal Size per MS 33366	Dimensions	
	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.		A Max	B Max
1/2	W903-08D	.010	W903-08C	.028	-015	.749	.689
5/8	W903-10D	.012	W903-10C	.033	-017	.749	.814
3/4	W903-12D	.016	W903-12C	.046	-117	.783	.994
1	W903-16D	.022	W903-16C	.062	-214	.838	1.270
1 1/4	W903-20D	.027	W903-20C	.076	-218	.838	1.520
1 1/2	W903-24D	.033	W903-24C	.093	-222	.838	1.790
1 3/4	W903-28D	.038	W903-28C	.107	-224	.838	2.040
2	W903-32D	.047	W903-32C	.132	-226	.854	2.313
2 1/2	W903-40D	.056	W903-40C	.164	-230	.854	2.813
3	W903-48D	.069	W903-48C	.195	-234	.854	3.313
3 1/2	W903-56D	.081	W903-56C	.227	-238	.854	3.823
4	W903-64D	.092	W903-64C	.260	-242	.854	4.322





Material Key

B: Brass, C: Stainless Steel, CH: Chrome Plated, D: Aluminium, EN: Electroless Nickel, P: Zinc Plated Carbon Steel, T: Titanium

## 811 Hose and Reusable Fittings

Fitting Type :  
Reusable  
To Suit Hose :  
811, \*910  
Fitting Material : D  
Fitting Colour : Black/Silver  
811 Hose Application :  
Fuel, Oil, Water, Methanol, Air  
Hose Material : Anti Static  
PTFE smoothbore / Convoluted  
  
\* 811 Fittings are also compatible with 910 Aramid braided hose.

811 G-Line XF hose represents the future of reusable hose assemblies. The patented attachment method provides, for the first time, a fully reusable olive free fitting designed exclusively for use with lightweight PTFE hose. Goodridge PTFE hose offers many advantages over 200 series rubber, as it is impervious to all brake fluids, lubricants, fuel and alcohols and unlike 200

series rubber hose, will not degrade or allow vapour penetration. 811 is a unique design that incorporates both the flow characteristics of a smooth-bore hose, with the flexibility of a convoluted hose. Use 811 series for an economical solution to all fluid transfer requirements, where you want to benefit from all the advantages of PTFE hose, without the requirement for expensive crimping machinery.



PART NO	BORE SIZE		BRAID OD		WORKING PRES		BURST PRES		WEIGHT		MIN BEND RAD	
	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
811-04	6.85	.270	9.6	.378	90	1320	360	5290	0.09	.0414	19	.750
811-06	9.53	.375	13.0	.512	80	1180	320	4700	0.14	.0941	20	.787
811-08	12.70	.500	16.5	.650	70	1030	280	4120	0.29	.1949	38	1.496
811-10	15.88	.625	20.8	.819	65	955	260	3820	0.35	.2352	45	1.772
811-12	19.05	.750	24.4	.961	60	880	240	3530	0.40	.2688	50	1.969
811-16	25.40	1.000	32.3	1.272	50	740	200	2940	0.63	.4233	70	2.756
811-20	32.00	1.260	38.8	1.528	45	666	180	2645	0.60	.4032	100	3.937

### 811-01

#### STRAIGHT FEMALE



PART NO.	TO SUIT	JIC/UNF THREAD
811-0104	811-04	7/16 X 20
811-0106	811-06	9/16 X 18
811-0108	811-08	3/4 X 16
811-0110	811-10	7/8 X 14
811-0112	811-12	1 1/16 X 12
811-0116	811-16	1 5/16 X 12

### 812-45

#### 45° FORGED FEMALE



PART NO.	TO SUIT	JIC/UNF THREAD
812-4504	811-04	7/16 X 20
812-4506	811-06	9/16 X 18
812-4508	811-08	3/4 X 16
812-4510	811-10	7/8 X 14
812-4512	811-12	1 1/16 X 12

### 811-45

#### 45° SWEPT TUBE FEMALE



PART NO.	TO SUIT	JIC/UNF THREAD
811-4504	811-04	7/16 X 20
811-4506	811-06	9/16 X 18
811-4508	811-08	3/4 X 16
811-4510	811-10	7/8 X 14
811-4512	811-12	1 1/16 X 12
811-4516	811-16	1 5/16 X 12

### 812-90

#### 90° FORGED FEMALE



PART NO.	TO SUIT	JIC/UNF THREAD
812-9004	811-04	7/16 X 20
812-9006	811-06	9/16 X 18
812-9008	811-08	3/4 X 16
812-9010	811-10	7/8 X 14
812-9012	811-12	1 1/16 X 12

### 811-90

#### 90° FORGED FEMALE



PART NO.	TO SUIT	JIC/UNF THREAD
811-9004	811-04	7/16 X 20
811-9006	811-06	9/16 X 18
811-9008	811-08	3/4 X 16
811-9010	811-10	7/8 X 14
811-9012	811-12	1 1/16 X 12
811-9016	811-16	1 5/16 X 12

### 811-120

#### 120° SWEPT TUBE FEMALE



PART NO.	TO SUIT	JIC/UNF THREAD
811-12004	811-04	7/16 X 20
811-12006	811-06	9/16 X 18
811-12008	811-08	3/4 X 16
811-12010	811-10	7/8 X 14
811-12012	811-12	1 1/16 X 12
811-12016	811-16	1 5/16 X 12

### 811-150

#### 150° SWEPT TUBE FEMALE



PART NO.	TO SUIT	JIC/UNF THREAD
811-15004	811-04	7/16 X 20
811-15006	811-06	9/16 X 18
811-15008	811-08	3/4 X 16
811-15010	811-10	7/8 X 14
811-15012	811-12	1 1/16 X 12
811-15016	811-16	1 5/16 X 12

### 811-180

#### 180° SWEPT TUBE FEMALE



PART NO.	TO SUIT	JIC/UNF THREAD
811-18004	811-04	7/16 X 20
811-18006	811-06	9/16 X 18
811-18008	811-08	3/4 X 16
811-18010	811-10	7/8 X 14
811-18012	811-12	1 1/16 X 12
811-18016	811-16	1 5/16 X 12

## G-line Reusable Fittings for: 510 & 710 Hose

Fitting Type :  
Reusable  
Application :  
Fuel, Oil, Water, Methanol, Air  
To Suit Hose :  
710, 510  
Material : D  
Colour : BLUE ● / GOLD ●

The only choice of fitting when the goal is to achieve the World's lightest reusable fluid transfer system offering the ultimate flexibility, performance and reliability. Use 1001 series fittings if you do not have access to crimp or swage equipment, or where you need to field replace hoses.

### 510 HOSE

See Complete specifications on page. 11

Applications:  
Fuel, Oil, Water, Methanol, Air  
Temperature Range:  
-45°C to 170°C





### 710 HOSE


See Complete specifications on page. 11


Applications:  
Fuel, Oil, Water, Methanol, Air  
Temperature Range:  
-45°C to 170°C





1001	STRAIGHT FEMALE		
	PART NO.	MATERIAL	JIC/UNF THREAD
	1001-04	D	7/16 X 20
	1001-06	D	9/16 X 18
	1001-08	D	3/4 X 16
	1001-10	D	7/8 X 14
	1001-12	D	1 1/16 X 12


1045	45° FORGED FEMALE		
	PART NO.	MATERIAL	JIC/UNF THREAD
	1045-04	D	7/16 X 20
	1045-06	D	9/16 X 18
	1045-08	D	3/4 X 16
	1045-10	D	7/8 X 14
	1045-12	D	1 1/16 X 12


1046	45° SWEPT TUBE FEMALE		
	PART NO.	MATERIAL	JIC/UNF THREAD
	1046-04	D	7/16 X 20
	1046-06	D	9/16 X 18
	1046-08	D	3/4 X 16
	1046-10	D	7/8 X 14
	1046-12	D	1 1/16 X 12

1090	90° FORGED FEMALE		
	PART NO.	MATERIAL	JIC/UNF THREAD
	1090-04	D	7/16 X 20
	1090-06	D	9/16 X 18
	1090-08	D	3/4 X 16
	1090-10	D	7/8 X 14
	1090-12	D	1 1/16 X 12

1091	90° SWEPT TUBE FEMALE		
	PART NO.	MATERIAL	JIC/UNF THREAD
	1091-04	D	7/16 X 20
	1091-06	D	9/16 X 18
	1091-08	D	3/4 X 16
	1091-10	D	7/8 X 14
	1091-12	D	1 1/16 X 12

1120	120° SWEPT TUBE FEMALE		
	PART NO.	MATERIAL	JIC/UNF THREAD
	1120-04	D	7/16 X 20
	1120-06	D	9/16 X 18
	1120-08	D	3/4 X 16
	1120-10	D	7/8 X 14
	1120-12	D	1 1/16 X 12

1150	150° SWEPT TUBE FEMALE		
	PART NO.	MATERIAL	JIC/UNF THREAD
	1150-04	D	7/16 X 20
	1150-06	D	9/16 X 18
	1150-08	D	3/4 X 16
	1150-10	D	7/8 X 14
	1150-12	D	1 1/16 X 12

1180	180° SWEPT TUBE FEMALE		
	PART NO.	MATERIAL	JIC/UNF THREAD
	1180-04	D	7/16 X 20
	1180-06	D	9/16 X 18
	1180-08	D	3/4 X 16
	1180-10	D	7/8 X 14
	1180-12	D	1 1/16 X 12