




G-LINE ULTRA™

THE ULTIMATE
PTFE LINED
FLEXIBLE HOSE

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G-LINEULTRA™

G-Line Ultra is the latest addition to the globally recognised Goodridge G-Line hose and fittings range. G-Line Ultra offers Goodridge's winning combination of smooth bore convoluted hose with a revolutionary additional feature. A high tensile 316 stainless steel wire helically wound to the root of the convolution offers superior kink resistance along with full vacuum resistance up to 200°C. In addition to this innovative improvement, our standard bore sizes have been increased to offer even greater uninterrupted flow.

- **Smoothbore liner for efficient flow**
- **Patented reinforced convoluted outer to eliminate kinking**
- **Full vacuum resistance up to 200°C**
- **Increased bore size to maximise flow**
- **Aramid fibre outer braid for ultimate lightweight**
- **Stainless steel outer braid for ultimate durability**

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G-LINE ULTRA HOSE 960 AND 860

G-Line Ultra is the latest addition to our globally recognised premium product range of hose and fittings. Whilst maintaining all of the benefits of our G-Line XF range, the new Ultra hose has the innovative, patented, addition of a 316 stainless steel helically wound wire into the external PTFE convolutions to provide superior vacuum and kink resistance in extreme applications.

Along with this innovative design, and to maintain the traditional Goodridge

advantages of our lightweight hose, the bore size of the new Ultra hose has been increased to offer maximised flow. All sizes of G-Line Ultra are usable at full vacuum to up to 200°C. (Above this, the vacuum resistance should be reduced 2% for every degree above 200°C). Stainless steel braided hose is used in applications involving higher temperatures. High tensile grade 316 stainless steel wire is used, to give maximum pressure resistance and external protection to the hose.

960

Application:

Fuel, Oil, Water, Methanol, Air

Temperature range:

-40°C to +180°C

-40°F to +356°F

Material:

Anti-static PTFE smoothbore, aramid fibre braid

Fittings:

Compatible with our new 960 Ultra lightweight crimp fittings

Volumetric expansion and flow data available upon request.

Compatible with our new 960 Ultra lightweight crimp fittings, 960 is the new and improved flagship, lightweight hose offered exclusively by Goodridge. 960 combines a woven super-light aramid braid, with a single 100% PTFE inner core smoothbore for maximised flow and convoluted outside for amazing flexibility. 960 offers exceptional durability against kinking and greater vacuum resistance thanks to the newly added helically wound wire.



PART NO	MAX 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
960-08	13.50	0.53	17.50	0.69	72	1045	400	5800	0.18	0.12	40.00	1.58
960-10	16.50	0.65	21.60	0.85	66	960	380	5500	0.26	0.18	45.00	1.78
960-12	19.80	0.78	25.10	0.99	61	880	300	4350	0.31	0.21	55.00	2.16
960-16	26.10	1.03	32.30	1.27	51	745	200	2900	0.51	0.34	75.00	2.95
960-20	32.70	1.29	39.20	1.54	45	650	180	2600	0.74	0.50	100.00	3.94

* HOSE ASSEMBLY MAX WORKING PRESSURE ** HOSE BURST PRESSURE

860

Application:

Fuel, Oil, Water, Methanol, Air

Temperature range:

-73°C to +260°C

-99°F to +500°F

Material:

Anti-static PTFE smoothbore, 316 stainless steel braid

Fittings:

Compatible with our new 960 Ultra lightweight crimp fittings

Volumetric expansion and flow data available upon request.

860 hose has all the advantages of our 960 hose with a 316 stainless steel braid for additional protection and heat resistance for high temperature applications.



PART NO	MAX 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
860-08	13.50	0.53	17.8	0.70	72	1045	400	5800	0.29	0.19	38.00	1.50
860-10	16.50	0.65	21.6	0.85	66	960	380	5500	0.35	0.23	45.00	1.77
860-12	19.80	0.78	24.9	0.98	61	880	300	4350	0.40	0.27	50.00	1.97
860-16	26.10	1.03	31.9	1.26	51	745	200	2900	0.63	0.42	70.00	2.76

* HOSE ASSEMBLY MAX WORKING PRESSURE ** HOSE BURST PRESSURE

G-LINE ULTRA FEATURES AND BENEFITS

- Increased kink and vacuum resistance
- Smooth-bore 100% PTFE single core
- Stainless or aramid outer braid
- Increased bore size to maximise flow
- Compatible with all fuels – methanol, alcohol, E-85
- SAE J1737 compliant

FULLY MACHINED G-LINE ULTRA CRIMP FITTINGS FOR 960 & 860 HOSE

Fitting Type:

Crimp

Application:

Fuel, Oil, Water, Methanol, Air

To suit hose:

960, 860

The newly developed 960 fittings have been designed to the highest standards to maintain high performance and light weight. 960 one piece fittings are fully machined with a larger bore size to maximise flow.

Goodridge qualified hose technicians will individually build custom hose assemblies to meet your exact specifications.

Material Key

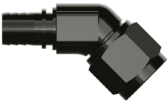
D: Aluminium

960-01 STRAIGHT FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-0108	D	3/4 x 16
960-0110	D	7/8 x 14
960-0112	D	1-1/16 x 12
960-0116	D	1-5/16 x 12
960-0120	D	1-5/8 x 12

960-45 45° FORGED FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-4508	D	3/4 x 16
960-4510	D	7/8 x 14
960-4512	D	1-1/16 x 12

960-46 45° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-4608	D	3/4 x 16
960-4610	D	7/8 x 14
960-4612	D	1-1/16 x 12
960-4616	D	1-5/16 x 12
960-4620	D	1-5/8 x 12

960-90 90° FORGED FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-9008	D	3/4 x 16
960-9010	D	7/8 x 14
960-9012	D	1-1/16 x 12

960-91 90° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-9108	D	3/4 x 16
960-9110	D	7/8 x 14
960-9112	D	1-1/16 x 12
960-9116	D	1-5/16 x 12
960-9120	D	1-5/8 x 12

960-120 120° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-12008	D	3/4 x 16
960-12012	D	1-1/16 x 12

960-150 150° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-15008	D	3/4 x 16
960-15012	D	1-1/16 x 12

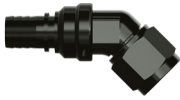
960-180 180° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-18008	D	3/4 x 16
960-18012	D	1-1/16 x 12

DOUBLE SWIVEL FITTINGS FOR 960 & 860 HOSE

9945 45° FORGED FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
9945-08	D	3/4 x 16
9945-10	D	7/8 x 14
9945-12	D	1-1/16 x 12

9991 90° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
9991-08	D	3/4 x 16
9991-10	D	7/8 x 14
9991-12	D	1-1/16 x 12
9991-16	D	1-5/16 x 12

9990 90° FORGED FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
9990-08	D	3/4 x 16
9909-10	D	7/8 x 14
9909-12	D	1-1/16 x 12

960 DFL WIGGINS COUPLING FITTINGS

960-01DFL STRAIGHT DFL WIGGINS CUP



PART NO.	MAT	SIZE
960-0110DFL	D	-10
960-0112DFL	D	-12
960-0116DFL	D	-16

960-90DFL 90° DFL WIGGINS CUP



PART NO.	MAT	SIZE
960-9010DFL	D	-10
960-9012DFL	D	-12
960-9016DFL	D	-16

960-45DFL 45° DFL WIGGINS CUP



PART NO.	MAT	SIZE
960-4510DFL	D	-10
960-4512DFL	D	-12
960-4516DFL	D	-16

TO SUIT HOSE TYPE: G-LINE ULTRA 960 AND 860 HOSE

PLEASE NOTE:
COLLARS NEED TO BE ORDERED SEPARATELY FOR ALL CRIMP FITTINGS

RCC960 CRIMP COLLAR TO SUIT 960, 860 HOSE



PART NO.	MAT
RCC960-08	D
RCC960-10	D
RCC960-12	D
RCC960-16	D
RCC960-20	D

MADE TO ORDER SWIVEL AND DFL WIGGINS COUPLING FITTINGS

Please note:

To avoid large 'step-ups' in size, not all tail sizes are available with all thread/cup sizes. Collars need to be ordered separately for all crimp fittings.

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

Material Key

D: Aluminium

960 SWEPT SWIVEL TAIL

PART NO.	FITTING ANGLE	SIZE	MAT
9930-	30°	XX	D
9946-	45°	XX	D
9960-	60°	XX	D
99120-	120°	XX	D
99150-	150°	XX	D
99180-	180°	XX	D
		THREAD SIZE	JIC/UNF THREAD
		-08	3/4 x 16
		-10	7/8 x 14
		-12	1-1/16 x 12
		-16	1-5/16 x 12

EXAMPLE PART No.

For a -16 30° 960 swept swivel tail. Fitting: **9930-16**

960 DFL WIGGINS CUP

PART NO.	FITTING ANGLE	CUP SIZE	MAT
960-01	Straight	XXDFL	D
960-45	45°	XXDFL	D
960-90	90°	XXDFL	D
960-120	120°	XXDFL	D
960-150	150°	XXDFL	D
960-180	180°	XXDFL	D
		SIZES	
		-8	
		-10	
		-12	
		-16	

EXAMPLE PART No.

For a -08 cup 90° 960 DFL Wiggins cup. Fitting: **960-9008DFL**

9930



9946



960-01



960-45



9960



99120



960-90



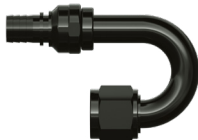
960-120



99150



99180



960-150



960-180



MADE TO ORDER G-LINE ULTRA CRIMP AND PLUG-IN FITTINGS FOR 960 & 860 HOSE

960-30

30° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-3008	D	3/4 x 16
960-3010	D	7/8 x 14
960-3012	D	1-1/16 x 12
960-3016	D	1-5/16 x 12

960-60

60° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-6008	D	3/4 x 16
960-6010	D	7/8 x 14
960-6012	D	1-1/16 x 12
960-6016	D	1-5/16 x 12

960-120

120° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-12010	D	7/8 x 14
960-12016	D	1-5/16 x 12

960-150

150° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-15010	D	7/8 x 14
960-15016	D	1-5/16 x 12

960-180

180° SWEPT TUBE FEMALE CONCAVE SEAT



PART NO.	MAT	JIC/UNF THREAD
960-18010	D	7/8 x 14
960-18016	D	1-5/16 x 12

960 PLUG-IN FITTINGS

PART NO.	MAT	FITTING ANGLE	TAIL SIZE	PLUG IN SIZE
961001	D	Straight	XX	XX
961046	D	45°	XX	XX
961091	D	90°	XX	XX

EXAMPLE PART No.

For a -08 90° plugin

Fitting: 961091-08-08

SIZES

-8

-10

-12

-16

961001



961046



961091



G-LINEULTRA™

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