

# The Complete Goodridge Catalogue

## Welcome

We have been supplying high performance products to the motor racing and automotive industry for more than 35 years and our latest catalogue represents the most comprehensive range of fluid transfer products for motorsport that we have ever offered.

From simple low pressure push fit type applications to the most complex lightweight high pressure systems, the solution is within these pages.

With ten facility locations worldwide, and a global network of specialist distributors Goodridge products are always available to you.

Our advanced research development and design departments, together with our sophisticated new engineering facilities, enable a rapid response, and a complete range of design projects from the simple to the most sophisticated.

## Goodridge The Company

Goodridge – providing a service with hose, fittings and ancillary products that have a world-wide reputation for strength and reliability demanded by professionals. Products that deliver superior performance in critical applications where quality is essential.

Goodridge have been supplying high performance hose and fittings for over 35 years and were the first company in Europe to offer such a service. These products are now supplied worldwide for every conceivable type of motor sport, fast road car and motorcycle applications, original equipment manufacture & marine and mountain bike uses.

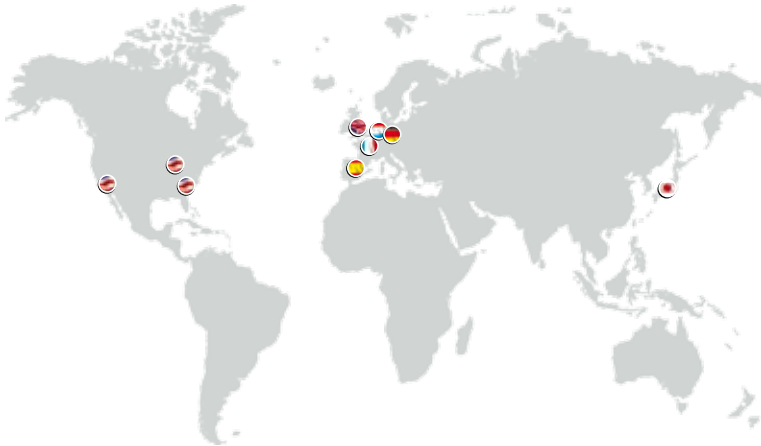
Goodridge are justly proud of the high quality of standards achieved throughout their product range and this is attributed totally to the quality control disciplines. Our modern manufacturing facilities allow the production of one off or quantity specials to customers' specifications in a variety of materials.

In addition to service provided by stockist personnel, our highly-qualified engineers work with original equipment manufacturers designing fluid transfer and hydraulic systems. They are also available to analyse problems, which may arise in the field, and to recommend solutions.

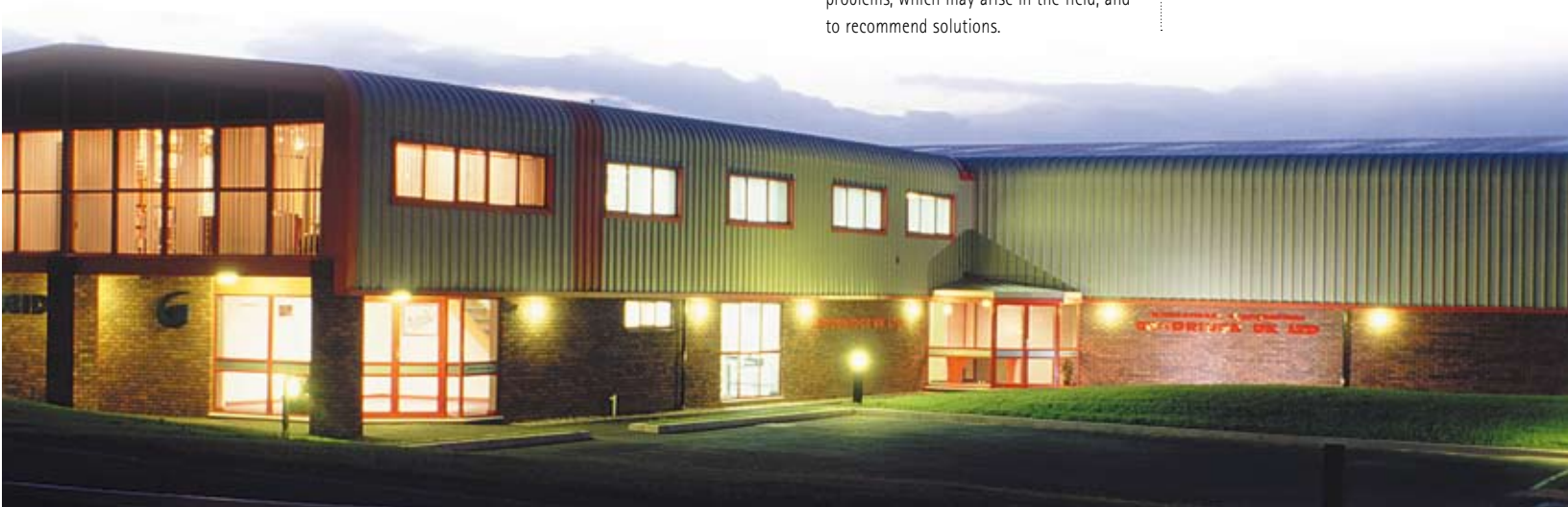
Our technical representatives are trained to give all clients a total service supported by many years of experience in motor sport applications. Similarly, our sales staff are highly experienced and able to offer advice over the telephone, providing a free and efficient consultative technical service for all installations and projects.

Whether the product is stock or to a custom design specification, our insistence on quality standards guarantees our customer a product of the highest possible quality.

Whether it is a high performance Goodridge product, or one of our many brand name items we ensure the highest standards are maintained, the standards expected of a progressive organisation determined to live up to its reputation for high quality.



UK	Europe	USA	Japan
Exeter	Benelux	Torrance	Tokyo
Silverstone	Deutschland	Indianapolis	
	Espana	Mooresville	
	France		



## Contents

Index	99, 100	Car brakeline Kits	4	MTB Hydraulic Brakeline Kits	7
		Motorcycle Brakeline Kits	5	MTB Hose and Fitting Kits	8
		Buildaline	6		

### Section:1 G-Line Hose and Fittings / Wiggins Couplings

Hose 811	10	G-line Hose 510	11	G-line Flexible Coupling Fittings	16
Hose 910	10	G-line Swage/Crimp Fittings	12	Wiggins Flexible Fluid Couplings	16
Hose 910 FC (Fuel Cell)	10	Adjustable Swage/Crimp Fittings	14	G-line Re-usable Fittings	18
G-line Hose 710	11	G-line Male Swivel Fittings	15		

### Section:2 Staubli

Staubli Quick Release Couplings	20	QDSPH / QDSPT	20
QDSPT Refuelling Coupling	20		

### Section:3 600 and 700 Series Smooth Bore Hose and Fittings

611 Lightweight Hose	24	Metric Swage/Crimp Fittings	32	Fuel Injection Lines for Twin Cam Evolution Engines	39
Plug In Fittings	24	BSP/ NPT Swage/Crimp Fittings	32	Engine - Take off's	40
600 Series Hose -02 To -04	25	BSF Fittings	32	600 Series Hose	41
700 Series Aramid Fibre Hose	25	Swage/Crimp Banjos & Tee's for: 600 / 700K Hose	33	600 High Pressure Series (HP)	41
JIC/UNF Reusable Fittings for 600 Hose	26	Special Line Locators	34	Re-usable Fittings for 600 Hose	42
Metric Reusable Fittings for 600 Hose	27	Banjo Bolts	35	Replacement Sockets and Olives for 600 Hose	42
BSP Reusable Hose Fittings for 600 Hose	28	Bleed Nipple Banjo Bolts & Nipples	36	Swage/Crimp Fittings	43
Replacement Locknuts	28	Bleed Nipples	36		
Reusable Banjo Fittings	28	Special Application Block Adaptors	37		
Replacement Olives and Sockets for 600 Hose	28	Harley - Special Application Parts	37/38		
Reusable Banjo Hose Fittings and Tee's	29	Harley Davidson Re-usable / Swaged Oil Line Fittings	39		
Dash 2 & 3 JIC/UNF Fittings	30				
Dash 3 Metric Fittings	31				

### Section:4 200 Series Stainless Braided Nitrile Hose and Fittings

200 Series Hose	46	1136 Swivel Single Nipple Max-flow Alloy Hose Fittings for: 200 Hose	48/49	202 Hose	50
Metric Hose Fittings for 200 Hose - Female	46	136 Single Nipple JIC/UNF Alloy Hose Fittings for:200 Hose - Electroplate	49	Hose Finisher	50
236 Alloy Hose Fittings for 200 Hose	47				
336 forged Fittings for 200 Hose	47				
Carburetor Hose Fittings	48				

### Section:5 536 and TF-TU25 Push Fit Hose and Fittings

536 Hose	52	Silicone Vacuum Hose	52
TF-TU25 Hose	52	JIC/UNF Push Fit Hose Fittings for 536 Hose	53
3556 Hose	52	BSP Hose Fittings for TF-TU25/536 Hose	53

## Contents - *continued*

### Section:6 Hardline

Hardline Stainless Steel 836 Tube & Fittings	56	Hardline Aluminium HL836 Tube and Re-usable Aluminium Fittings	57	Aluminium Hardline Fittings 04/06D	57/58
Hardline -03c Stainless Steel Fittings	56				

### Section:7 Adaptors

AN's and Adaptors	60	BSP Male To Metric Male	67	NPT To Push Fit Hose End	70
JIC To JIC Equal Thread	60/61	BSP to BSP , Female to Male	67	Special Adaptors	71
JIC To JIC Unequal Thread	62	BSP Male Equal Thread	68	3 And 4 Way Connectors	71
JIC To JIC Male To Female	62	BSP Male Unequal Thread	68	Brake Adaptors	72
Special Adaptors	63	BSP To NPT Male	68		
JIC To NPT Male To Male Adaptors	64	Metric Adaptors	69		
NPT Adaptors	64/65	Carburetor & Fuel Adaptors	69		
JIC Male To Metric Male	65/66	Metric & JIC/UNF Banjo Adaptors and Banjo Bolts	70		
BSP Female To Metric Male	67				

### Section:8 Ancillary

Buna O-Ring	74	Fireproof Sleeve	77	Tip Valve	81
Cushioned Tube Clamps	74	Textalu	77	Facet - Bendix Fuel Pump	81
Lockwire and Lockwire Twist Pliers	74	Polythene Spiral Binding	78	Fuel Shut off Taps	81
Quick Disconnect	75	Overbraid	78	In-line Thermostats	81
Aircraft Quality Stainless Steel Hose End Clip	75	Plastic Red Caps And Plugs	78	Remote Filter Heads	82
Oetiker Clip and Oetiker Pliers	75	Apex Universal Joints	78	Sandwich Plates and Adaptor Bolts	82
Hose Separators	75	Filler Caps / Necks	79	Copper Crush Washers	82
Ty Raps and Saddles	76	Alloy Wrenches	79	Alloy Crush Washers	82
PVC Heatshrink	76	Fuel Pressure Gauge	79	Stat-O-Seals	83
Raychem Heatshrink	76	Brake Fluid	79	Bonded Seals (Dowty)	83
Reinforced Plastic Tube	76	Custom Fuel Filter	80	Oil Coolers	84
Flameguard	77	Fuel Filters	80		
Aramid Flameguard	77	Alloy Check (Flap) Valve	80		

### Section:9 Engineering and Tooling

Engineering	86	Draw Swage Machine & Accessories	88	Hose Assembly Machine	90
Special Parts	87	Tooling for The Assembly of 600 Series Hose	89		

### Section:10 Assembly Instructions and Technical Information

Hose Assembly Instructions	92/94	Hose Assemblies -3	97
Technical Information	95	Hose Assemblies -4 and Metric Assemblies	97
Correct Alignments	96	Fitting Size Chart	98
Correct Measurements	96		

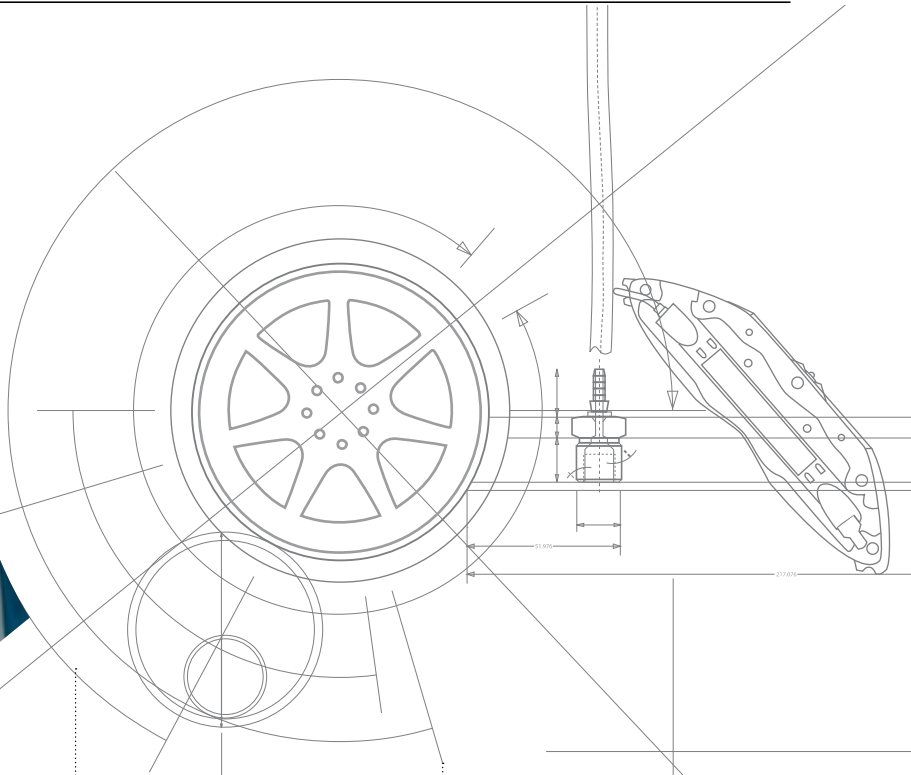
The complete Goodridge catalogue forms an extensive guide to our product range and applications and whilst every care is taken to ensure that all information within this catalogue is correct at the time of going to print, we are unable to guarantee this as products may change after printing.

Goodridge furthermore reserves the right to change technical details of our products without prior notification and does not accept responsibility for installations and designs based on information contained within this catalogue.

If you require specific technical information and dimensions for design purposes, Goodridge offer a full technical service, and you should contact a local Goodridge Technical Centre in this instance.

Car Brakeline Kits

GUARANTEED FOREVER



**Goodridge Brakeline Kits**

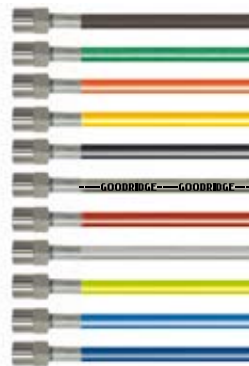
Goodridge stainless steel brake or clutch hose kits are available to suit all models of car, whatever the make. Kits feature the finest quality hose, consisting of a PTFE inner with a stainless steel outerbraid. This eliminates the spongy pedal feel under arduous conditions, giving greater braking efficiency or clutch operation as well as providing superior resistance to abrasion and corrosion. These kits, therefore, not only provide the reliability and safety demanded but offer brilliant good looks that improve the appearance of any installation. Most brake and clutch lines car kit specifications are on file but any additional information is always appreciated.

**Colourflex Brakelines**

Construction: Produced in a stunning variety of translucent colours using a Hitrite Bonding during manufacture - it will stay flexible and will not discolour over time. This new and exciting product is designed for the driver who has fitted their car with either carbon or colour coded parts and wishes to compliment them with coloured brakelines; available in yellow, blue, red, purple, green, carbon look and clear cover. Pre-made kits are available, please call for specifications.

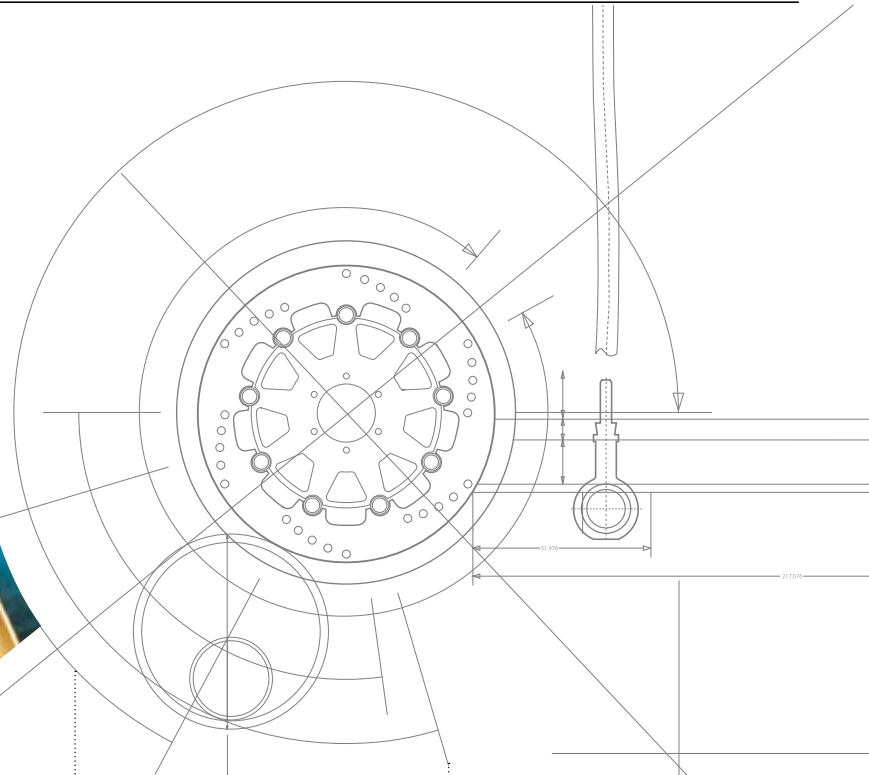
PERFORMANCE  
BRAKELINES

- eliminates spongy feel
- improved braking efficiency
- abrasion and corrosion resistant



Motorcycle Brakeline Kits

GUARANTEED FOREVER



### Goodridge Brakeline Kits

Goodridge Stainless steel motorcycle brakeline kits feature the finest quality hose, consisting of a PTFE inner and a stainless steel outerbraid. This eliminates the spongy feel under arduous braking conditions giving greater braking efficiency as well as providing a superior resistance to abrasion and corrosion. These kits not only provide reliability and safety demanded, but offer brilliant looks that improve the appearance of any bike.

We pride ourselves in being able to supply stainless hydraulic brake line kits for any make or year of motorcycle, be it British, Japanese, American, German or Italian. When ordering any non-standard motorcycle brake line please specify the overall length or where possible supply the original lines to ensure exact duplication.

### Colourflex

Construction: Produced in a stunning variety of translucent colours using a Hitrite Bonding during manufacture - it will stay flexible and will not discolour over time. This new and exciting product is designed for the rider who has fitted their bike with either carbon or colour coded parts and wishes to compliment them with coloured brakelines; available in yellow, blue, red, purple, green, carbon look and clear cover. Pre-made kits available, call for application guide.

- eliminates spongy feel
- improved braking efficiency
- abrasion and corrosion resistant

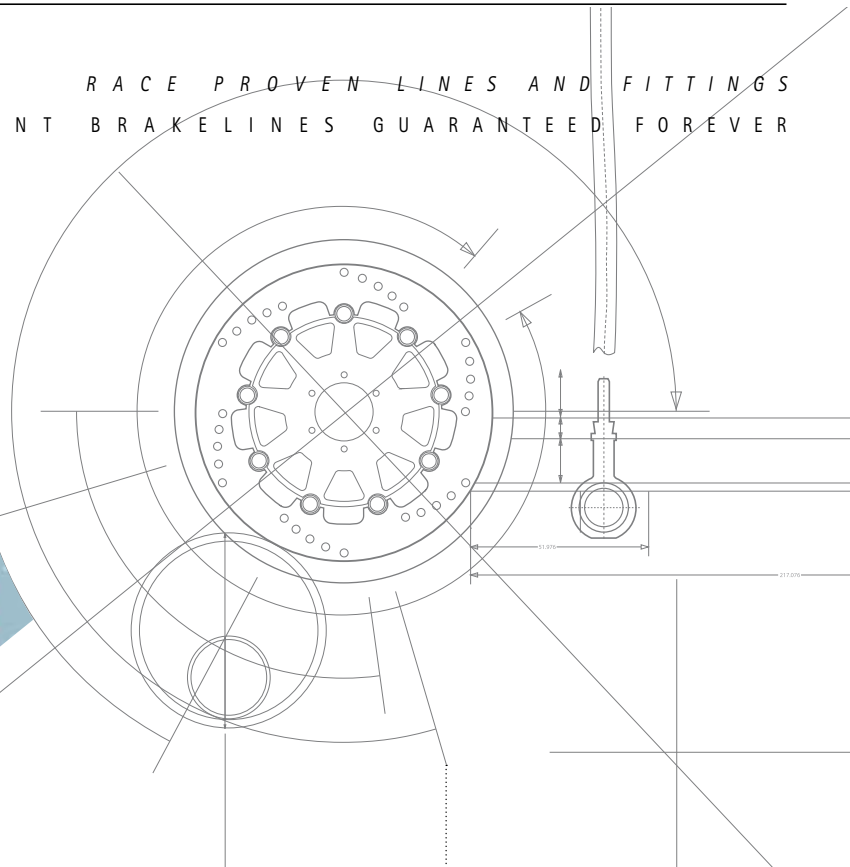
PERFORMANCE  
BRAKELINES



Buildaline

GUARANTEED FOREVER

RACE PROVEN LINES AND FITTINGS  
INSTANT BRAKELINES GUARANTEED FOREVER



BUILDALINE PARTS LISTING

PART NO.	DESCRIPTION
B592-03-04	ADAPTOR BANJO STRAIGHT 3/8 JIC 7/16 EYE
B592-03C	ADAPTOR BANJO STRAIGHT 3/8 JIC
B592-03DBK	ADAPTOR BANJO STRAIGHT 3/8 JIC
B592-03DBU	ADAPTOR BANJO STRAIGHT 3/8 JIC
B592-03DRD	ADAPTOR BANJO STRAIGHT 3/8 JIC
B592-03-M12C	ADAPTOR BANJO STRAIGHT 3/8 JIC M12 EYE
B593-03-04C	ADAPTOR BANJO 20° 3/8 JIC 7/16 EYE
B593-03C	ADAPTOR BANJO 20° 3/8 JIC
B593-03DBK	ADAPTOR BANJO 20° 3/8 JIC
B593-03DBU	ADAPTOR BANJO 20° 3/8 JIC
B593-03DRD	ADAPTOR BANJO 20° 3/8 JIC
B593-03-M12C	ADAPTOR BANJO 20° 3/8 JIC M12 EYE
B594-03C	ADAPTOR BANJO 45° 3/8 JIC
B594-03DBK	ADAPTOR BANJO 45° 3/8 JIC
B594-03DBU	ADAPTOR BANJO 45° 3/8 JIC
B594-03DRD	ADAPTOR BANJO 45° 3/8 JIC
B597-03C	ADAPTOR BANJO 20° SIDE 3/8 JIC
B597-03DBK	ADAPTOR BANJO 20° SIDE 3/8 JIC
B597-03DBU	ADAPTOR BANJO 20° SIDE 3/8 JIC
B597-03DRD	ADAPTOR BANJO 20° SIDE 3/8 JIC
B599-03-04C	ADAPTOR BANJO 90° 3/8 JIC 7/16 EYE
B599-03C	ADAPTOR BANJO 90° 3/8 JIC
B599-03DBK	ADAPTOR BANJO 90° 3/8 JIC
B599-03DBU	ADAPTOR BANJO 90° 3/8 JIC
B599-03DRD	ADAPTOR BANJO 90° 3/8 JIC
B818-03C	BUILDALINE SOCKET STAINLESS STEEL
B818-03DBK	BUILDALINE SOCKET BLACK
B818-03DBU	BUILDALINE SOCKET BLUE
B818-03DRD	BUILDALINE SOCKET RED



Colour : RD ● BU ● BK ● C ●  
Red (RD) Blue (BU) Black (BK) Stainless (C)

Please Note :  
For full specifications please contact your distributor.

Goodridge Buildaline Kits

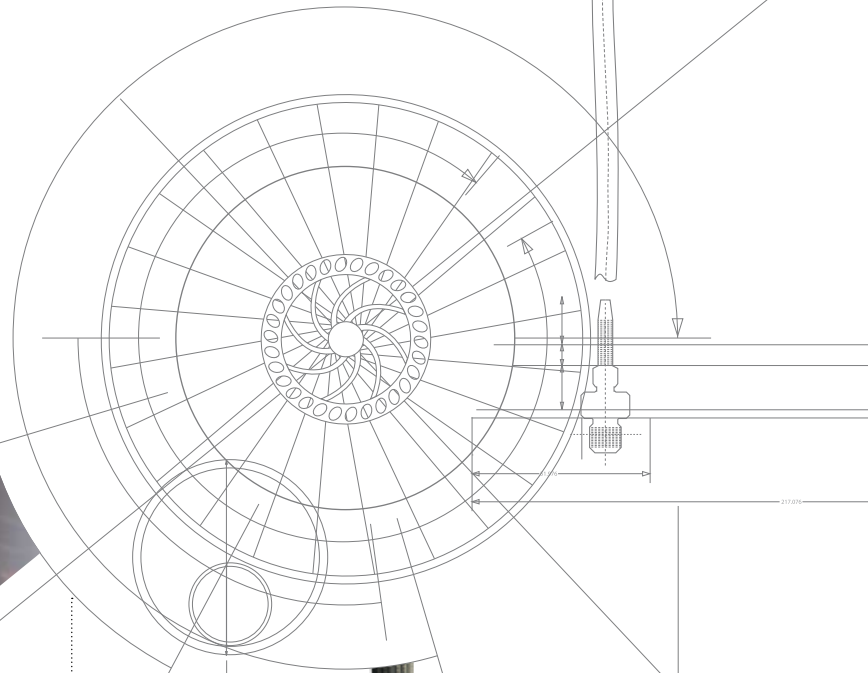
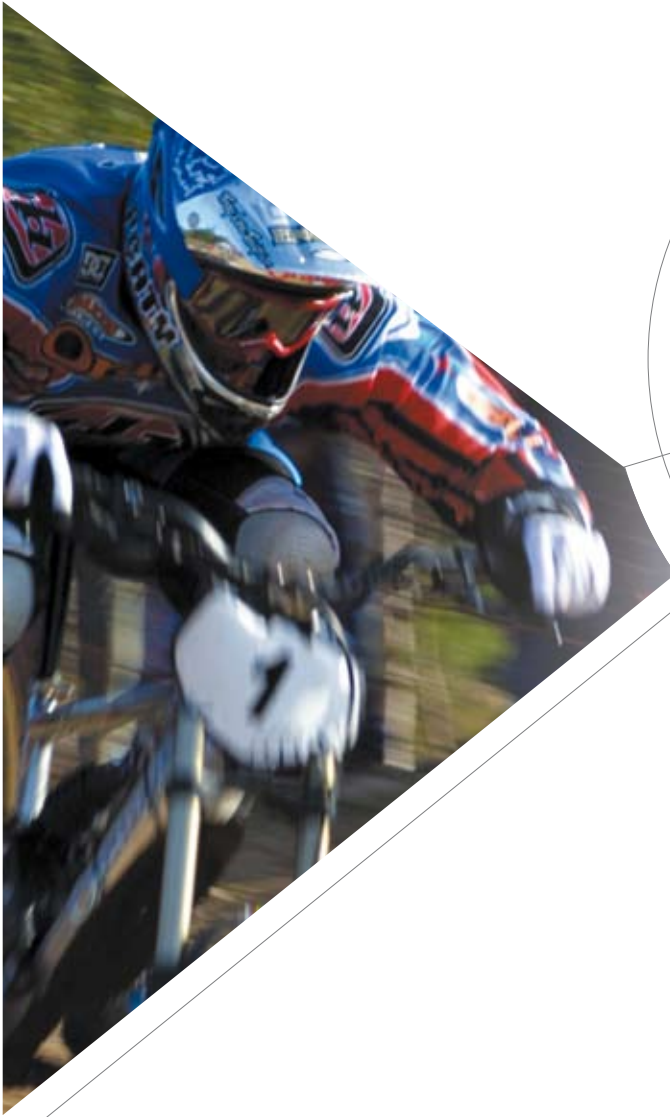
Designed to accommodate any bike in the market place and fitted in minutes.

This product can be used in any brake line or clutch line application. The versatile kit comes complete with fittings, bolts, washers and set lengths of pre assembled hose. Brakeline kits are also available with T.U.V. and DOT approval FMVSS 106 for highway use.

With 35 years marketplace experience Goodridge have developed the "Build a Line" program.



## Mountain Bike Brakeline Kits



### Goodridge Hydraulic MTB Brakeline Kits

At Goodridge, our continuous product development and innovation never stops, and the mountain bike brake line is more evidence of this.

The unique Goodridge fitting design allows you to self assemble and fit the brakelines to suit your bike. The patented tailform design requires no olive and is fully reusable.

Goodridge PTFE brakeline hose, developed from motor racing, is extremely flexible and tough. With zero expansion, even under heavy braking, 100% of the pressure at the lever is transformed into stopping power at the caliper.

The hose is available in a range of translucent coloured coverings, providing protection to the frame, and fantastic style. Fittings are available in both downhill spec stainless steel, or anodised aluminium.



## PERFORMANCE BRAKELINES

- eliminates spongy feel
- improved braking efficiency
- abrasion and corrosion resistant

## MTB Brakeline and Pad Dispaly Dealer Kits

The unique Goodridge fitting design allows you to self assemble and fit the brakelines to suit your bike. The patented tailform design requires no olive and is fully reusable.

Goodridge PTFE brakeline hose, developed from motor racing, is extremely flexible and tough. *(With zero expansion, even under heavy braking, 100% of the pressure at the lever is transformed into stopping power at the caliper)*

The hose is available in a range of translucent coloured coverings, providing protection to the frame, and fantastic style. Fittings are available in both downhill spec stainless steel, or anodised aluminium.

### Options

A	8 Kits
B	12 Kits

Goodridge high performance pads are available for a wide range of models in two compound types. Organic ceramic for general use, and high friction sintered for improved response and durability.

### MTB Pads

Description
Sintered Pads
Organic Pads



## MTB Hydraulic Brake Dealer Kits

Mini: MTBDK-01SSC / Small: MTBDK-01SC / Large: MTBDK-01LC

PART No.	DESCRIPTION	Quantity		
		MINI	SML	LRG
600-02CLG /CB	Clear coated hose	10	20m	40
RC600-02	MTB Collar	16	30	60
MTB442-02-M6C	M6 x 1 male fixed (Magura, Hope, Hayes)	5	8	15
MTB442-02-M8C	M8 x 0.75 male fixed (Shimano Deore 525)	-	5	10
MTB442-02-M8CSW	M8 x 0.75 male swivel (Shimano Deore 525)	5	5	10
MTB5091-02-M6C	M6 Banjo fitting (Hope, Hayes, Grimeca, Shimano XT-755)	5	8	15
MTB992-02-M6C	M6 x1 banjo bolt (Hope, Hayes, Grimeca, Shimano XT-755)	5	8	15
MTB6001-02-M8C	M8 x 0.75 adapter Hayes lever female fitting	5	5	10
MTB306-M6-M8C	M6 male to M8 female adapter (Magura, Hayes)	5	10	15
44512	M6 copper washer	5	10	15
GTAG-2CB	Goodridge Yellow Tag	10	16	30



The ideal solution for retail outlets, containing a selection of MTB fittings to cover every application, supplied complete with a roll of high performance braided hose

### GM100MTB - Assembly Mandrel







*G-line Hose, Fittings and Wiggins Couplings*

*Section:01*

## G-LINEXF

The Worlds Leading Flexible PTFE Hose



SMOOTH BORE  
PTFE liner

CONVENTIONAL  
convoluted PTFE liner

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 :**  
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



## Hose 811

**Application :**  
Fuel, Oil, Water, Methanol, Air  
**Temperature range :**  
-70°C to 260°C  
**Material :**  
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



## Hose 910 FC (Fuel Cell)

**Application :**  
Fuel tank systems  
**Temperature range :**  
50°C MAX  
**Material :**  
PTFE smoothbore tube

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 PRESS		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

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

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, Champ Car, 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 :  
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 :  
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 Worlds 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
4031-08DBZ	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

### 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
4061-08DBZ	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

### 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

## 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 XF 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	
	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

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°



## G-line Flexible Coupling Fittings

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° SWEEP 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° SWEEP 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.

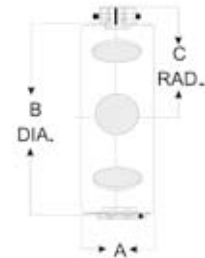
The elimination of safety wire, grounding clamps and jumpers provides for a low weight connector.



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 :  
PTFE smoothbore / Convoluted

\* 811 Fittings are also compatible with 910 Aramid braided hose.

811 G-Line XF hose represents the future of re-usable 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.



### 811 SMOOTH BORE HOSE

PART NO	BORE SIZE		BRAID		WORK PRESS		BURST PRESS		WEIGHT		MIN BEND RADIUS	
	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
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

#### 811-01

#### 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 Re-usable 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. 3

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





### 710 HOSE


See Complete specifications on page. 3


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



*Staubli*

*Section:02*

## Staubli Quick Release Couplings

### QDCCB

### QDJAC



Staubli has been a leading quick-release coupling specialist for over 40 years and has uniquely developed this range of couplings with Goodridge, specifically for motorsport applications. Staubli couplings offer the variety, performance and the response demanded by our industry.

Staubli quick-release couplings are available in stainless steel, titanium and aluminium. Goodridge offer both bayonet-locking and pull-disconnect types, with a range of different O-ring seals to suit every application

*Please ensure that you have selected the correct coupling and O-ring for the fluid, temperature and pressure rating, or confirm with our technical advisers. Full Staubli catalogues are available for each range of coupling by request*

### QDSPH

Flush faced, the QDSPH avoids any kind of pollution of the circuits: no spillage at disconnection and no air or impurities are introduced on re-connection. (pre-loading hoses a possibility). Quick release coupling, bayonet locking with simple push/rotation of sleeve, the QDSPH helps you save time during race servicing and offers a 'no-bleed' connection. Compact and light, in high tensile materials, this coupling has been specially developed for motor racing.

PART NO.		APPLICATION	SERIES NO.	FLOW DIAMETER
QDSPH03/04		BRAKES, CLUTCH, HYDRAULICS	QDSPH03 ALUMINIUM, TITANIUM, STAINLESS STEEL	3MM
			QDSPH04 ALUMINIUM OR TITANIUM	3MM
QDSPH06		POWER STEERING, DAMPERS, HYDRAULICS, FUEL CIRCUITS: FIA APPROVED	QDSPH06 ALUMINIUM OR TITANIUM	5MM
QDSPH08		FUEL, OIL, WATER CIRCUITS, PRE-HEATER SYSTEMS	QDSPH08 ALUMINIUM ONLY	8MM

ALL COUPLINGS ARE AVAILABLE WITH VITON OR EPDM (METHANOL COMPATIBLE) SEALS

### QDSPT

These couplings can be disconnected by lanyard, and are ideal for use on fuel systems. The QDSPT coupling is a 100% dry break, ensuring total safety in the event of impact.

All SPT couplings are available with a lanyard, and with alloy or rubber dust caps to protect the plug.

PART NO.		APPLICATION	SERIES NO.	FLOW DIAMETER
QDSPT		FUEL SAMPLING, SAFETY BREAK-AWAY BETWEEN ENGINE AND COCKPIT, OIL AND WATER SYSTEMS	QDSPT06 ALUMINIUM ONLY	8MM
			QDSPT08 ALUMINIUM ONLY	8MM
			QDSPT10 ALUMINIUM ONLY	10MM

ALL COUPLINGS ARE AVAILABLE WITH VITON OR JS3 (METHANOL COMPATIBLE) SEALS

### QDSPT Refuelling Coupling

The refuelling coupling is used for secure connection onto fuel tanks. The socket is available with both -12 and M35 x 1.5 threads.

Rally Raid version also available.

PART NO.		APPLICATION	SERIES NO.	FLOW DIAMETER
QDSPT12		FUEL REFUELLING FIA APPROVED	QDSPT12 ALUMINIUM ONLY	12MM

ALL COUPLINGS ARE AVAILABLE WITH VITON SEALS

Staubli Quick Release Couplings - *continued*

Part No.	Dash	Description	Staubli Part No.	Material	Seal Type	Flow(mm) Diameter	Application
<b>BAYONET LOCKING 100% DRY BREAK COUPLING</b>							
QDSPH03CFBH	-3	QDV Female Bulkhead	SPH03 2652 / BA / IA / JE	Stainless	EPDM	3	Brake / Clutch
QDSPH03CF	-3	QDV Female Coupling	SPH03 1652 / BA / IA / JE	Stainless	EPDM	3	Brake / Clutch
QDSPH03CM	-3	QDV Male Coupling	SPH03 7652 / BA / IA / JE	Stainless	EPDM	3	Brake / Clutch
QDSPH03DFBH	-3	QDV Female Bulkhead	SPH03 2652 / BA / L / KR / JE	Alloy	EPDM	3	Brake / Clutch
QDSPH03DF	-3	QDV Female Coupling	SPH03 1652 / BA / L / KR / JE	Alloy	EPDM	3	Brake / Clutch
QDSPH03DM	-3	QDV Male Coupling	SPH03 7652 / BA / L / KR / JE	Alloy	EPDM	3	Brake / Clutch
QDSPH03DVF	-3	QDV Female Coupling	SPH03 1652 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	3	Hydraulics / Petrol
QDSPH03DVM	-3	QDV Male Coupling	SPH03 7652 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	3	Hydraulics / Petrol
QDSPH04DF	-4	QDV Female Coupling	SPH03 1653 / BA / L / KR / JE	Alloy	EPDM	3	Clutch / Hydraulics
QDSPH04DM	-4	QDV Male Coupling	SPH03 7653 / BA / L / KR / JE	Alloy	EPDM	3	Clutch / Hydraulics
QDSPH04DVF	-4	QDV Female Coupling	SPH03 1653 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	3	Hydraulics / Petrol
QDSPH04DVM	-4	QDV Male Coupling	SPH03 7653 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	3	Hydraulics / Petrol
QDSPH06DVF	-6	QDV Female Coupling	SPH05 1655 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	5	Fuel / Oil / Water / Hydraulics
QDSPH06DVBH	-6	QDV Female Bulkhead	SPH05 2655 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	5	Fuel / Oil / Water / Hydraulics
QDSPH06DVM	-6	QDV Male Coupling	SPH05 7655 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	5	Fuel / Oil / Water / Hydraulics
QDSPH08DVF	-8	QDV Female Coupling	SPH08 1656 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	8	Fuel / Oil / Water / Hydraulics
QDSPH08DVM	-8	QDV Male Coupling	SPH08 7656 / BA / L / KJ / JV	Alloy	VITON <sup>+</sup>	8	Fuel / Oil / Water / Hydraulics
<b>100% DRY BREAK COUPLING (optional lanyard)</b>							
QDSPT06DVF	-6	QDV Female Coupling	SPT08 1655 / L / JV	Alloy	VITON <sup>+</sup>	8	Petrol / Oil / Water /
QDSPT06DF	-6	QDV Female Coupling	SPT08 1655 / L / JS3	Alloy	JS3	8	Petrol / Methanol / Oil / Water
QDSPT06DVFL	-6	QDV Female Coupling(w/Lanyard)	SPT08 3655 / L / JV	Alloy	VITON <sup>+</sup>	8	Petrol/ Oil / Water /
QDSPT06DFL	-6	QDV Female Coupling(w/Lanyard)	SPT08 3655 / L / JS3	Alloy	JS3	8	Petrol / Methanol / Oil / Water
*QDSPT06DVM	-6	QDV Male Coupling	SPT08 7655 / L / JV	Alloy	VITON <sup>+</sup>	8	Petrol/ Oil / Water /
*QDSPT06DM	-6	QDV Male Coupling	SPT08 7655 / L / JS3	Alloy	JS3	8	Petrol / Methanol / Oil / Water
QDSPT08DVF	-8	QDV Female Coupling	SPT08 1656 / L / JV	Alloy	VITON <sup>+</sup>	8	Petrol/ Oil / Water /
QDSPT08DF	-8	QDV Female Coupling	SPT08 1656 / L / JS3	Alloy	JS3	8	Petrol / Methanol / Oil / Water
QDSPT08DVFL	-8	QDV Female Coupling(w/Lanyard)	SPT08 3656 / L / JV	Alloy	VITON <sup>+</sup>	8	Petrol/ Oil / Water /
QDSPT08DFL	-8	QDV Female Coupling(w/Lanyard)	SPT08 3656 / L / JS3	Alloy	JS3	8	Petrol / Methanol / Oil / Water
*QDSPT08DVM	-8	QDV Male Coupling	SPT08 7656 / L / JV	Alloy	VITON <sup>+</sup>	8	Petrol/ Oil / Water /
*QDSPT08DM	-8	QDV Male Coupling	SPT08 7656 / L / JS3	Alloy	JS3	8	Petrol / Methanol / Oil / Water
QDSPT12DVF	-12	QDV Female Coupling	SPT12 1658 / L / JV	Alloy	VITON <sup>+</sup>	12	FIA Fuel Filler ( Petrol)
QDSPT12DVM	-12	QDV Male Coupling	SPT12 7658 / L / JV	Alloy	VITON <sup>+</sup>	12	FIA Fuel Filler ( Petrol)
QDSPT12DVFM	-12	QDV Male Flange Coupling	N 009 162 98	Alloy	VITON <sup>+</sup>	12	FIA Fuel Filler ( Petrol)
<b>BAYONET LOCKING 100% DRY BREAK COUPLING (TITANIUM)</b>							
QDSPH03TVF	-3	QDV Female Coupling	SPH03 1652 / BA / TI / KV / JV	Titanium	VITON <sup>+</sup>	3	Hydraulics / Petrol
QDSPH03TVM	-3	QDV Male Coupling	SPH03 7652 / BA / TI / KV / JV	Titanium	VITON <sup>+</sup>	3	Hydraulics / Petrol
QDSPH03TF	-3	QDV Female Coupling	SPH03 1652 / BA / TI / KB / JE	Titanium	EPDM	3	Brake / Clutch / Hydraulics
QDSPH03TM	-3	QDV Male Coupling	SPH03 7652 / BA / TI / KB / JE	Titanium	EPDM	3	Brake / Clutch / Hydraulics
QDSPH04TVF	-4	QDV Female Coupling	SPH03 1653 / BA / TI / KV / JV	Titanium	VITON <sup>+</sup>	3	Fuel / Oil / Water / Hydraulics
QDSPH04TVM	-4	QDV Male Coupling	SPH03 7653 / BA / TI / KV / JV	Titanium	VITON <sup>+</sup>	3	Fuel / Oil / Water / Hydraulics
QDSPH04TF	-4	QDV Female Coupling	SPH03 1653 / BA / TI / KB / JE	Titanium	EPDM	3	Fuel / Oil / Water / Hydraulics
QDSPH04TM	-4	QDV Male Coupling	SPH03 7653 / BA / TI / KB / JE	Titanium	EPDM	3	Fuel / Oil / Water / Hydraulics
QDSPH06TVF	-6	QDV Female Coupling	SPH05 1655 / BA / TI / KV / JV	Titanium	VITON <sup>+</sup>	5	Fuel / Oil / Water / Hydraulics
QDSPH06TVM	-6	QDV Male Coupling	SPH05 7655 / BA / TI / KV / JV	Titanium	VITON <sup>+</sup>	5	Fuel / Oil / Water / Hydraulics

A blurred, high-contrast image of a person's back and shoulder, suggesting motion and effort. The image is dark and grainy, with a strong sense of movement. The person's back is the central focus, with the shoulder and arm visible on the right side. The background is a mix of dark and light tones, creating a sense of depth and atmosphere. The overall mood is one of intensity and focus.

push the limits



*600, 700 Series Smooth Bore*



*Section:03*

## 611 Lightweight Hose (To be used on high performance motorsport applications only with relevant collars and fittings)

### Application :

Brake, Clutch, Hydraulics

### Material / Construction :

Outer cover Corrosion and fire resistant Stainless steel braid / PTFE inner tube compatible with all brake and clutch fluids

### Please Note:

crimp settings differ for hose types, ensure you have the correct detail

Please refer to the Technical Specification for crimp diameters obtainable from the quality department of Goodridge UK.

### Available in 4 types:

611-025  
Stainless braid, Anti-static PTFE tube  
Temperature range: -70°C to +260°C

611-03  
Stainless braid, Anti-static PTFE tube  
Temperature range: -70°C to +260°C

611PE-03  
Stainless braid, Anti-static PTFE tube, Polyester overbraid.  
Temperature range: -50°C to +135°C

611K-03  
Aramid Fibre braid, Anti-static PTFE tube.  
Temperature range: -45°C to +170°C

This exclusive motorsport design has achieved a reduction in weight and outside diameter whilst maintaining a true -03 bore. The weight saving is 20% over standard -03 hose. The light weight and extremely flexible new generation PTFE hose offers advanced properties not



found in any competitors attempts and is a second generation breakthrough in PTFE technology.

PART NO	BORE SIZE		PTFE WALL		COVER WALL		WORKING PRES		BURST PRESS		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	KG/M	LB/FT
611-03	3.5	0.138	0.660	0.026	5.66	0.223	290	4250	870	12750	49.38	1.73
*611PE-03	3.5	0.138	0.660	0.026	7.11	0.280	290	4250	870	12750	62.6	2.21
611K-03	3.5	0.138	0.660	0.026	6.05	0.238	290	4250	870	12750	27.2	0.96
611-025	2.90	0.114	0.660	0.026	6.05	0.238	290	4250	870	12750	27.2	0.96

\* 611PE-03 BRAID O.D. 0.42mm / 0.016"

## Plug In Fittings

Material : T, C






### Please Note:









Goodridge manufactures a complete range of plug-in fittings from -2 to -16 for all pressure ratings and system demands. Full port drawings, fitting scheme drawings and general advice are available from your nearest Goodridge Technical centre.

Goodridge plug-in fittings have been used for a number of years in F1, world rally cars and more recently NASCAR where professional motorsport designers have

found the need for a more specialised type of fluid system connection. This type of fitting is occasionally referred to as a "divorced" fitting because the sealing function is divorced from the fixing function, unlike conventional threaded fittings. Where a designer wishes to connect a hose assembly to a component using this system, a parallel sided port is machined in place of a threaded port and the plug-in seals directly into the port via an "O" ring. The plug-in is then retained by a keeper plate or a circlip / snap ring.

ALL FITTINGS USE COLLARS RC600LW-03XLS

XLS5091		XLS L/W BANJO	
	PART NO.	MATERIAL	HOLE SIZE
	XLS5091-03-M6	C	M6
	XLS5091-03-M8	T	M8
XLS5091-03-M10	C, T	M10	
XLS5094		XLS L/W 45° BANJO	
	PART NO.	MATERIAL	HOLE SIZE
	XLS5094-03	T	3/8 - M10
XLS5095		XLS DBL BANJO OTR	
	PART NO.	MATERIAL	HOLE SIZE
	XLS5095-03	T	3/8 - M10
XLS5135		XLS TEE PIECE	
	PART NO.	MATERIAL	TO SUIT HOSE
	XLS5135-03	T	-3
XLS6001		XLS L/W STRAIGHT FEMALE	
	PART NO.	MATERIAL	JIC/UNF THREAD
	XLS6001-03	T, C	3/8 X 24

XLS6046		XLS L/W 45° SWEPT FEMALE	
	PART NO.	MATERIAL	JIC/UNF THREAD
	XLS6046-03	T, C	3/8 X 24
XLS6090		XLS L/W 90° SWEPT FEMALE	
	PART NO.	MATERIAL	JIC/UNF THREAD
	XLS6090-03	C	3/8 X 24
XLS6091		XLS L/W 90° SWEPT FEMALE	
	PART NO.	MATERIAL	JIC/UNF THREAD
	XLS6091-03	T	3/8 X 24
XLS6120		XLS L/W 120° SWEPT FEMALE	
	PART NO.	MATERIAL	JIC/UNF THREAD
	XLS6120-03	T	3/8 X 24
XLS7001		STRAIGHT PLUG-IN	
	PART NO.	MATERIAL	PLUG-IN
	XLS7001-03-86	T	8.6mm
	XLS7001-03-88	T	8.8mm
	XLS7001-04-96	T	9.6mm
XLS7046		45° PLUG-IN	
	PART NO.	MATERIAL	PLUG-IN
	XLS7046-03-86	T	8.6mm
	XLS7046-03-88	T	8.8mm
	XLS7046-04-96	T	9.6mm
XLS7091		90° PLUG-IN	
	PART NO.	MATERIAL	PLUG-IN
	XLS7091-03-86	T	8.6mm
	XLS7091-03-88	T	8.8mm
	XLS7091-04-96	T	9.6mm
XLS7100		100° PLUG-IN	
	PART NO.	MATERIAL	PLUG-IN
	XLS7100-03-88	T	8.8mm



## 600 Series Hose -02 To -04 for: Brake and Clutch

**Application :**

Brake, clutch, hydraulics

**Material / Construction :**

Outer cover Corrosion and fire resistant Stainless steel braid, PTFE inner tube compatible with all brake and clutch fluids

600-03 Hose is also available with abrasion resistant covers in a range of different colours for easy identification, ease of cleaning and cosmetic appearance.

**600-03 Colours :**

BK SB CB CL CLG  
GN RD YE OR EB

Black (BK) Blue (SB) Carbon (CB) Clear (CL)  
Clear with print (CLG) Green (GN) Red (RD)  
Yellow (YE) Orange (OR) Electric Blue (EB)

High speed, constant rapid gear changes and heavy braking put great strains on competition hydraulic systems, where failure can be disastrous. 600 series hose strongly resists expansion under high pressure and temperature, provides consistent brake and clutch pedal pressure giving firmer and more efficient operation without that spongy feeling, offering protection against abrasion and fire,

these hoses are also recommended for all pressure gauge lines and fire extinguisher systems. Use dash size 3 for most braking systems and dash size 3 or 4 for clutch systems. Dash 2 hose is the smallest brake hose available. Its microbore construction can give increased line pressure and more responsive and sensitive brake feel. Excellent for

4 and 2 wheel braking applications whether for the circuit or road.



PART NO	BORE SIZE		PTFE WALL		BRAID O/D		COVER WALL		COVER O/D		WORKING PRES		BURST PRES		WEIGHT		TEMPERATURE	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	KG/M	LB/FT	MIN	MAX
600-02	2.0	0.079	1.0	0.039	5.0	0.197	-	-	-	-	450	6600	1350	19800	0.045	0.03	-70°C (158°F)	260°C (500°F)
600-03	3.5	0.138	1.0	0.039	6.45	0.254	-	-	-	-	290	4250	870	12750	0.060	0.04	-70°C (158°F)	260°C (500°F)
600-03BK	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03SB	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03CB	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03CL	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03CLG	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03EB	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03GN	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03OR	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03RD	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-03YE	3.5	0.138	1.0	0.039	6.45	0.254	0.5	0.019	7.5	0.287	290	4250	870	12750	0.088	0.06	-20°C (68°F)	85°C (185°F)
600-04	5.0	0.197	0.76	0.030	7.65	0.301	-	-	-	-	280	4110	840	12350	0.075	0.05	-70°C (158°F)	260°C (500°F)

## 700 Series Aramid Fibre Hose (crimp only)

**Application :**

Brake, clutch, hydraulics

**Material / Construction :**

Light weight, flexible and extremely strong woven Aramid Fibre outer braid, PTFE inner tube compatible with all brake and clutch fluids

Colour : BK BU RD

Black (BK) Blue (BU) Red (RD)

**Please Note :**

700 series for competition use only

Our exclusive 700-Series Aramid Fibre Braided Hose is the worlds lightest flexible fluid transfer conduit for small bore applications in general racing environments. Its strength and flexibility parallels that of our 600 Series Hose resisting expansion under high pressure

and temperature, offering a consistent, firm and highly efficient feel. There is a range of Aramid Fibre Hose from -02 to -04. These hoses are recommended for pressure gauge lines, fuel injection lines, fire extinguisher systems, nitrous systems, brake and clutch lines and hydraulic wing

lines. When used in -02 with titanium fittings, the ultimate in weight saving, performance and reliability can be achieved.

700 Series Hose is designed for use with permanently attached swage style hose ends.





PART NO	BORE SIZE		PTFE WALL		BRAID O/D		COVER WALL		COVER O/D		WORKING PRES		BURST PRES		WEIGHT		TEMPERATURE	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	KG/M	LB/FT	MIN	MAX
700K-02	2.0	0.079	1.0	0.039	5.4	0.210	-	-	-	-	450	6600	1350	19800	0.030	0.02	-45°C (113°F)	170°C (338°F)
700K-03	3.5	0.138	1.0	0.039	6.7	0.264	-	-	-	-	290	4250	870	12750	0.044	0.03	-45°C (113°F)	170°C (338°F)
700K-03BK	3.5	0.138	1.0	0.039	8.1	0.320	0.5	0.019	7.7	0.303	290	4250	870	12750	0.059	0.04	-20°C (68°F)	85°C (185°F)
700K-03BU	3.5	0.138	1.0	0.039	8.1	0.320	0.5	0.019	7.7	0.303	290	4250	870	12750	0.059	0.04	-20°C (68°F)	85°C (185°F)
700K-03RD	3.5	0.138	1.0	0.039	8.1	0.320	0.5	0.019	7.7	0.303	290	4250	870	12750	0.059	0.04	-20°C (68°F)	85°C (185°F)
700K-04BK	5.0	0.197	0.76	0.030	9.2	0.363	0.9	0.035	9.6	0.378	280	4110	840	12350	0.074	0.05	-20°C (68°F)	85°C (185°F)


## JIC/UNF Reusable Fittings for 600 Hose

Fitting Type :  
Reusable  
Application :  
Brake / Clutch  
To Suit Hose :  
600 series  
Material : P CH C D T


Colours Available :  
Coloured anodised aluminium  
\*Colour : BK ● BU ● GD ● RD ●  
Example Part No:  
6001-03DGD  
= Anodised Aluminium Gold

440	STRAIGHT MALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
440-03	C, CH, P	3/8 X 24	


441	STRAIGHT MALE CONVEX SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
441-03	C, CH, P	3/8 X 24	
441-04	C	7/16 X 20	


443	STRAIGHT MALE BULKHEAD		
PART NO.	MATERIAL	JIC/UNF THREAD	
443-03	C, CH, D, P	3/8 X 24	
443-04	P	7/16 X 20	


USE LOCKNUT PART NO.924


443BNP	STRAIGHT MALE BULKHEAD BLEED NIPPLE		
PART NO.	MATERIAL	JIC/UNF THREAD	
443-03 BNP	P	3/8 X 24	


USE LOCKNUT PART NO.924


6001	STRAIGHT FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
6001-02	C,T	5/16 X 24	
6001-02-03	C,T	3/8 X 24	
6001-03*	C, CH, D, P, T	3/8 X 24	
6001-03-04	C	7/16 X 20	
6001-04	P, C, D	7/16 X 20	


6045	45° FORGED FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
6045-02	C,T	5/16 X 24	
6045-02-03	C	3/8 X 24	
6045-03	P, C, D, T	3/8 X 24	
6045-04	D	7/16 X 20	


6046	45° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
6046-03	C, CH, D, P	3/8 X 24	
6046-04	P, C, D	7/16 X 20	

6091	90° SWEPT TUBE FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
6091-03	C, CH, D, P	3/8 X 24	
6091-04	C, CH, D, P	7/16 X 20	


6090	90° FORGED FEMALE CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
6090-02	C, T	5/16 X 24	
6090-02-03	C, T	3/8 X 24	
6090-03	P, C, D,	3/8 X 24	
6090-04	D	7/16 X 20	

6645	45° DOUBLE SWIVEL CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
6645-02	C	5/16 X 24	
6645-02-03	C	3/8 X 24	
6645-03	P, C	3/8 X 24	
6645-04	C	7/16 X 20	


6690	90° DOUBLE SWIVEL CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
6690-02	C	5/16 X 24	
6690-02-03	C	3/8 X 24	
6690-03	P, C	3/8 X 24	
6690-04	C,D	7/16 X 20	
6690-31	C	M10 X 1	

704	FIXED FEMALE BULKHEAD CONVEX SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
704-03	P	3/8 X 24	
704-04	P	7/16 X 20	


USE LOCKNUT PART NO.2K8686

746	FIXED FEMALE BULKHEAD CONCAVE SEAT		
PART NO.	MATERIAL	BSF THREAD	
746-03	P	3/8 X 20BSF (INNER)	


USE LOCKNUT PART NO.2K8686


748	FIXED FEMALE BULKHEAD CONCAVE SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
748-03	P, CH	3/8 X 20BSF	
748-03PDS	P	3/8 X 24	
DS= DEEP SEAT		MINI	

USE LOCKNUT PART NO.2K8686

756	FIXED FEMALE BULKHEAD CONVEX SEAT		
PART NO.	MATERIAL	JIC/UNF THREAD	
756-03	P	3/8 X 24	

USE LOCKNUT PART NO.2K8686

758	FIXED FEMALE BULKHEAD CONCAVE SEAT CIRCLIP GROOVE		
PART NO.	MATERIAL	JIC/UNF THREAD	
758-03-03	P	3/8 X 24	
758-03-03FP	P	3/8 X 24	
FLAT FACE			

759	FIXED FEMALE BULKHEAD CONVEX SEAT CIRCLIP GROOVE		
PART NO.	MATERIAL	JIC/UNF THREAD	
759-03-03	P	3/8 X 24	










**Material Key**

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

## Metric Reusable Fittings for 600 Hose


Fitting Type : Reusable Application : Brake / Clutch	To Suit Hose : 600 series Material : P CH C D
---	---


<b>442</b>	STRAIGHT MALE CONCAVE SEAT		
	PART NO.	MATERIAL	METRIC THREAD
	442-31	C, CH, D, P	10 X 1.00MM
	442-31L	P	10 X 1.00MM
	442-32	C, CH, D, P	10 X 1.25MM
<b>444</b>	STRAIGHT MALE CONCAVE BULKHEAD		
	PART NO.	MATERIAL	METRIC THREAD
	444-31	P, CH	10 X 1.00MM
	444-32	P, C	10 X 1.25MM
	USE LOCKNUT PART NO. 318		
<b>445</b>	STRAIGHT MALE CONVEX SEAT		
	PART NO.	MATERIAL	METRIC THREAD
	445-31	C, CH, D, P	10 X 1.00MM
	445-32	P, CH, D	10 X 1.25MM
<b>446</b>	CONVEX METRIC SEAT BULKHEAD		
	PART NO.	MATERIAL	METRIC THREAD
	446-31	P, CH, C	10 X 1.00MM
	446-32	P	10 X 1.25MM
	USE LOCKNUT PART NO. 318		
<b>446EXP</b>	CONVEX METRIC SEAT BULKHEAD		
	PART NO.	MATERIAL	METRIC THREAD
	446-31EXP	P, C	10 X 1.00MM
	(VW GOLF)		
<b>448</b>	STRAIGHT MALE FLAT SEAT		
	PART NO.	MATERIAL	METRIC THREAD
	448-31	P	10 X 1.00MM
<b>451</b>	STRAIGHT FEMALE CONCAVE METRIC SEAT		
	PART NO.	MATERIAL	METRIC THREAD
	451-31	C, D, P	10 X 1.00MM
	451-32	C, D	10 X 1.25MM
<b>452</b>	STRAIGHT FEMALE CONVEX METRIC SEAT		
	PART NO.	MATERIAL	METRIC THREAD
	452-31	P, C, D	10 X 1.00MM
	452-32	C, D	10 X 1.25MM
	452-35	C	10 X 1.50MM
<b>492</b>	BANJO BOLT HOSE CONNECTORS		
	PART NO.	MATERIAL	METRIC THREAD
	492-31	P	10 X 1.00MM


<b>6001VW</b>	STRAIGHT FIXED FEMALE CONCAVE METRIC SEAT (VW/AUDI)		
	PART NO.	MATERIAL	METRIC THREAD
	6001-31_VW	P, C	10 x 1.00mm
	6001-32_VW	P	10 x 1.25mm
<b>749</b>	FIXED FEMALE BULKHEAD CONCAVE METRIC SEAT		
	PART NO.	MATERIAL	METRIC THREAD
	749-03-31	P, CH	10 x 1.00mm
	749-03-32	P	10 x 1.25mm
	749-03-35	P	10 x 1.50mm
	USE LOCKNUT 2K8686		
<b>750</b>	FIXED FEMALE BULKHEAD CONVEX METRIC SEAT		
	PART NO.	MATERIAL	METRIC THREAD
	750-03-31	P, CH	10 x 1.00mm
	750-03-32	P, CH	10 x 1.25mm
	750-03-35	P	10 x 1.50mm
	USE LOCKNUT 2K8686		
<b>754</b>	CONVEX METRIC SEAT BULKHEAD W/CIRCLIP GROOVE		
	PART NO.	MATERIAL	METRIC THREAD
	754-03-31	P, C	10 X 1.00MM
	(17MM HEX) SUBARU		
<b>755</b>	CONVEX METRIC SEAT BULKHEAD W/CIRCLIP GROOVE		
	PART NO.	MATERIAL	METRIC THREAD
	755-03-31	P	10 X 1.00MM
	(19MM HEX)		
<b>756</b>	CONCAVE METRIC SEAT BULKHEAD W/CIRCLIP GROOVE		
	PART NO.	MATERIAL	METRIC THREAD
	756-03-31	C,P	10 X 1.00MM
	(19MM HEX)		
<b>757</b>	CONVEX METRIC SEAT BULKHEAD W/CIRCLIP GROOVE		
	PART NO.	MATERIAL	METRIC THREAD
	757-03-31	P	10 X 1.00MM
	(17MM HEX) TOYOTA		
<b>758</b>	FIXED FEMALE BULKHEAD CONCAVE SEAT CIRCLIP GROOVE		
	PART NO.	MATERIAL	METRIC THREAD
	758-03-31	P, CH, C	10 x 1.00mm
	758-03-31F	P	10 x 1.00mm Flat Face
	758-03-31S	P, C	10 x 1.00mm 17mm Hex
	758-03-32	P	10 x 1.25mm
	FLAT FACE		
<b>759</b>	FIXED FEMALE BULKHEAD CONVEX SEAT CIRCLIP GROOVE		
	PART NO.	MATERIAL	METRIC THREAD
	759-03-31S	C,P	10 x 1.00mm 17mm Hex
	759-03-31	P, CH	10 x 1.00mm
	759-03-32	P, CH	10 x 1.25mm


## BSP Reusable Hose Fittings for 600 Hose


<b>Fitting Type :</b> Reusable <b>Application :</b> Brake / Clutch	<b>To Suit Hose :</b> 600 series <b>Material :</b> P CH C
---	---

	321 STRAIGHT FEMALE		
	PART NO.	MATERIAL	BSP THREAD
	321-03	P, CH	1/8
	321-04	P, CH	1/4

	321SM STRAIGHT FEMALE TO SUIT SMITH PRESSURE GAUGE		
	PART NO.	MATERIAL	BSP THREAD
	321-03SM	P	1/8


	323 STRAIGHT MALE		
	PART NO.	MATERIAL	BSP THREAD
	323-03	P, C	1/8
	323-04	P	1/4

	331 45° SWEPT TUBE FEMALE		
	PART NO.	MATERIAL	BSP THREAD
	331-03	P, CH	1/8
	331-04	P	1/4

	332 90° SWEPT TUBE FEMALE		
	PART NO.	MATERIAL	BSP THREAD
	332-03	P, CH	1/8
	332-04	P	1/4


	5134 TEE FITTING WITH BSP LEG AND LOCATING LUG		
	PART NO.	MATERIAL	BSP THREAD
	5134-03	C	1/8


## Replacement Locknuts

LOCKNUT				
	PART NO.	THREAD	TO SUIT	MATERIAL
	924-02	5/16 X 24		D
	924-03	3/8 X 24	443-03	P, D, C, H
	924-04P	7/16 X 20		P
	318-31	10 X 1.00MM	446-31 / 444-31	P, C, CH
	318-32	10 X 1.25MM	446-32	P
	318-35	10 X 1.50MM		P, C
	318-M121	12 X 1.00MM		C
	2K8686	5/8 WHIT	748-03/ 749-31/ 750-31/ 704/ 746	P, C

## Replacement Olives and Sockets for 600 Hose


To Suit Hose : 600 series  
Material : P CH C D  
\*Anodised Aluminium Colour :  
BK ● BU ● GD ● RD ●  
Example Part No.  
5092-03DGD =  
Anodised Aluminium Gold


	1205 OLIVE	
	PART NO.	MATERIAL
	1205-02	B
	1205-03	D, B
	1205-04	D, B


	1206 SOCKET	
	PART NO.	MATERIAL
	1206-02	C
	1206-03	C, CH, D,
	1206-04	C, CH, D, P

## Reusable Banjo Fittings

<b>Fitting Type :</b> Reusable <b>Application :</b> Brake / Clutch <b>To Suit Hose :</b> 600 series	<b>Material : P CH C T D</b> Zinc Plated Carbon Steel (P), Chrome Plated (CH) Stainless Steel (C) Titanium (T), Anodised Aluminium (D) *Anodised Aluminium Colour : BK ● BU ● GD ● RD ● Example Part No. 5092-03DGD = Anodised Aluminium Gold
--	--

	5091 BANJO			
	PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE
	5091-02-03	3/8, 10MM	C, T	-02
	5091-03	3/8, 10MM	C, CH, P, D, T	-03
	5091-03-04	7/16, 11.2MM	P, CH, C	-03
	5091-04-03	3/8, 10 MM	P	-03
	5091-04	7/16, 11.2MM	P, C, D	-04

	5092 BANJO STRAIGHT EXTENDED NECK			
	PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE
	5092-02	5/16, 8MM	C, T	-02
	5092-02-03	3/8, 10MM	C, T	-02
	5092-03-02	5/16, 8MM	C, CH, D, P	-03
	*5092-03	3/8, 10MM	C, CH, D, P	-03
	5092-03DSW	3/8, 10MM	D (SWIVEL)	-03
	5092-03-04	7/16, 11.2MM	CH, C, P	-03
	5092-03-M12	12MM	C, CH	-03

	5093 20° BANJO EXTENDED NECK			
	PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE
	5093-02	5/16, 8MM	C, T	-02
	5093-02-03	3/8, 10MM	C, T	-03
	*5093-03	3/8, 10MM	C, CH, D, P	-03
	5093-03-04	7/16, 11.2MM	CH, C, P	-04
	5093-03DSW	3/8, 10MM	D (SWIVEL)	-03
		5093-03-M12	12MM	C, CH

Material Key

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

## Reusable Banjo Hose Fittings

Fitting Type :  
Reusable  
Application :  
Brake, Clutch  
To Suit Hose :  
600 series

Material : C, CH, D, P  
\*Anodised Aluminium Colour :  
BK ● BU ● GD ● RD ●  
Example Part No.  
5094-03DGD =  
Anodised Aluminium Gold

5094		45° BANJO EXTENDED NECK			
PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE		
5094-02-03	3/8, 10MM	C	-02		
*5094-03	3/8, 10MM	C, CH, D, P	-03		

5095		STRAIGHT TWIN BANJO			
PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE		
5095-02-03	3/8, 10MM	C	-02		
5095-03-04	7/16, 11.2MM	P	-03		
5095-03	3/8, 10MM	C, CH, D, P	-03		

5096		BANJO SIDE 20° EXTENDED NECK			
PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE		
5096-02-03	3/8, 10MM	C	-02		
5096-03	3/8, 10MM	C	-03		

5097		BANJO SIDE 20° EXTENDED NECK			
PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE		
5097-02	5/16, 8MM	C	-02		
*5097-03	3/8, 10MM	C, CH, D, P	-03		

5098		BANJO TWIN EXTENDED NECK			
PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE		
5098-03	3/8, 10MM	C, CH, D, P	-03		

5070		BANJO 70° EXTENDED NECK			
PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE		
5070-03	3/8, 10MM	C, CH, P	-03		

5099		BANJO 90° EXTENDED NECK			
PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE		
*5099-03	3/8, 10MM	C, CH, D, P	-03		
5099-03-04	7/16, 11.2MM	CH	-03		

5099S		BANJO SIDE 90° EXTENDED NECK			
PART NO.	TO SUIT BOLT	MATERIAL	HOSE SIZE		
5099S-03	3/8, 10MM	P	-03		

## Teel Fittings for 600 Hose

Fitting Type :  
Reusable  
Application :  
Brake / Clutch

To Suit Hose :  
600 series  
Material : C, D, T

5130		TEE FITTING JIC/UNF WITH LOCATING LUG		
PART NO.	MATERIAL	THREAD		
5130-03	C	3/8 X 24		

5131		RE-USABLE TEE FITTING WITH MALE JIC/UNF LEG			
PART NO.	MATERIAL	THREAD	HOSE SIZE		
5131-02	T	5/16 X 24	-02		
5131-03	C	3/8 X 24	-03		

5132		RE-USABLE TEE FITTING WITH MALE JIC/UNF LEG			
PART NO.	MATERIAL	THREAD	HOSE SIZE		
5132-03	C	3/8 X 24	-03		

5134		TEE FITTING WITH BSP LEG AND LOCATING LUG			
PART NO.	MATERIAL	THREAD	HOSE SIZE		
5134-03	C	1/8 BSP	-03		

5135		RE-USABLE TEE HOSE FITTING		
PART NO.	MATERIAL	HOSE SIZE		
5135-02	C, T	-02		
5135-03	C, D	-03		

5136		RE-USABLE TEE HOSE FITTING WITH LOCATING LUG		
PART NO.	MATERIAL	HOSE SIZE		
5136-03	C	-03		

## Dash 2 & 3 JIC/UNF Fittings for: 600/700K Series Hose

Fitting Type :  
swage / crimp

Application :  
Brake / Clutch

To Suit Hose :  
600 / 700 series  
Material : P CH C D T

Please Note :  
All swage/crimp fittings require a collar

When weight savings are critical, the best hose end option for our 600 Series or 700 Series Hose is from our complete range of swaged style hose end fittings. Meeting the demanding requirements of the World's Top Racing Professionals allows us to offer this full range available in JIC/UNF, Metric, British Standard Pipe (BSP) Threads, Banjo Fittings and Three Way Fittings. All have been tried and tested in the upper echelons

of world motorsport, racing's most severe conditions, and are proven in their quality of engineering, workmanship and finish. With the continued growth in world motorsport popularity, automotive and motorcycle manufacturers and race fans have asked for the safety and reliability of race type products in a form legal for use on public roads. Goodridge has designed, manufactured and built a swage style hose end for brake systems that meets regulatory requirements (including TÜV and DOT) in every corner of the world. Our exclusive swage tail design, and unique method of attachment are the keys to our success. TÜV and DOT certification has been achieved in all of our available fitting materials. The following pages show the most popular fittings for brake and clutch applications. A full range of JIC/UNF, Metric and BSP adaptors have also been developed for use with these fittings.

### RC600



#### CRIMP COLLARS

PART NO.	MATERIAL
RC600-03TÜV	B
RC600-03CTÜV	C

### S440



#### STRAIGHT MALE CONCAVE SEAT

PART NO.	MATERIAL	JIC/UNF THREAD
S440-03	C, P	3/8 x 24

### S441



#### STRAIGHT MALE CONVEX SEAT

PART NO.	MATERIAL	JIC/UNF THREAD
S441-03	C, P	3/8 X 24

### S443



#### STRAIGHT MALE BULKHEAD CONVEX SEAT

PART NO.	MATERIAL	JIC/UNF THREAD
S443-03	C, P	3/8 X 24

USE LOCKNUT 924-03

### S449



#### STRAIGHT MALE FLAT SEAT

PART NO.	MATERIAL	JIC/UNF THREAD
S449-03	P	3/8 X 24

### S6001



#### STRAIGHT FEMALE CONCAVE SEAT

PART NO.	MATERIAL	JIC THREAD	HOSE SIZE
S6001-02-03	C, T	3/8 X 24	-02
S6001-02	C, T	5/16 X 24	-02
S6001-03	C, CH, D, P, T	3/8 X 24	-03

### S6045



#### 45° FORGED FEMALE CONCAVE SEAT

PART NO.	MATERIAL	JIC THREAD	HOSE SIZE
S6045-02-03	C	3/8 X 24	-02
S6045-02	C	5/16 X 24	-02
S6045-03	C, D, T	3/8 X 24	-03
S6045-04	C, D	7/16 X 20	-04
S6045-03-04	C	7/16 X 20	-03

### S6046



#### 45° SWEPT TUBE FEMALE CONCAVE SEAT

PART NO.	MATERIAL	JIC THREAD	HOSE SIZE
S6046-02-03	C	3/8 X 24	-02
S6046-03	C, CH, D, P	3/8 X 24	-03
S6046-04	C, D, P	7/16 X 20	-04

### S6090



#### 90° FORGED FEMALE CONCAVE SEAT

PART NO.	MATERIAL	UNF THREAD	HOSE SIZE
S6090-02-03	C, T	3/8 X 24	-02
S6090-02	C, T	5/16 X 24	-02
S6090-03-02	C	5/16 X 24	-03
S6090-03	C, D, T, P	3/8 X 24	-03
S6090-04	C, D	7/16 X 20	-04

### S6091



#### 90° SWEPT TUBE FEMALE CONCAVE SEAT

PART NO.	MATERIAL	UNF THREAD	HOSE SIZE
S6091-02-03	C	3/8 X 24	-02
S6091-03	C, CH, D, P	3/8 X 24	-03
S6091-04	P, C, D	7/16 X 20	-04

### S746



#### FIXED FEMALE BULKHEAD CONCAVE SEAT

PART NO.	MATERIAL	BSF THREAD	HOSE SIZE
S746-03	P	3/8 X 20	-03

USE LOCKNUT 2K8686

### S747



#### CONVEX CIRCLIP GROOVE 17MM HEX

PART NO.	MATERIAL	JIC/UNF THREAD
S747-03	C, P	3/8 X 24
S747-44	C, P	7/16 X 24

### S748



#### FIXED FEMALE BULKHEAD CONCAVE SEAT

PART NO.	MATERIAL	UNF THREAD	HOSE SIZE
S748-03	P	3/8 X 20 BSF	-03
S748-03PDS	P	3/8 X 24 UNF MINI 91	-03

DS=DEEP SEAT / USE LOCKNUT 2K8686

### S756



#### FIXED FEMALE BULKHEAD CONVEX SEAT

PART NO.	MATERIAL	UNF THREAD	HOSE SIZE
S756-03	P	3/8 X 24	-03

USE LOCKNUT 2K8686

Material Key










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

## Dash 3 Metric Fittings for: 600/700K Series Hose

Fitting Type :  
swage / crimp  
Application :  
Brake, Clutch  
To Suit Hose :  
600, 700 series

Material : P CH C  
  
\*Please Note :  
Metric dual seat fittings will seal with either concave or convex metric fittings

<b>S442</b>	STRAIGHT MALE CONCAVE SEAT												
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S442-31</td> <td>C, P</td> <td>10 X 1.00MM</td> </tr> <tr> <td>S442-31L (LONG)</td> <td>P</td> <td>10 X 1.00MM</td> </tr> <tr> <td>S442-31S</td> <td>P</td> <td>10 X 1.00MM</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S442-31	C, P	10 X 1.00MM	S442-31L (LONG)	P	10 X 1.00MM	S442-31S	P	10 X 1.00MM
PART NO.	MATERIAL	METRIC THREAD											
S442-31	C, P	10 X 1.00MM											
S442-31L (LONG)	P	10 X 1.00MM											
S442-31S	P	10 X 1.00MM											
<b>S445</b>	STRAIGHT MALE CONVEX SEAT												
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S445-31</td> <td>C, P</td> <td>10 X 1.00MM</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S445-31	C, P	10 X 1.00MM						
PART NO.	MATERIAL	METRIC THREAD											
S445-31	C, P	10 X 1.00MM											
<b>S445-01</b>	STRAIGHT MALE SWIVEL - METRIC DUAL SEAT*												
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S445-0131</td> <td>C, P</td> <td>10 X 1.00</td> </tr> <tr> <td>S445-0132</td> <td>C, P</td> <td>10 X 1.25</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S445-0131	C, P	10 X 1.00	S445-0132	C, P	10 X 1.25			
PART NO.	MATERIAL	METRIC THREAD											
S445-0131	C, P	10 X 1.00											
S445-0132	C, P	10 X 1.25											
<b>S445-20</b>	20° MALE SWIVEL - METRIC DUAL SEAT*												
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S445-2031</td> <td>C, P</td> <td>10 X 1.00</td> </tr> <tr> <td>S445-2032</td> <td>C, P</td> <td>10 X 1.25</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S445-2031	C, P	10 X 1.00	S445-2032	C, P	10 X 1.25			
PART NO.	MATERIAL	METRIC THREAD											
S445-2031	C, P	10 X 1.00											
S445-2032	C, P	10 X 1.25											
<b>S445-45</b>	45° MALE SWIVEL - METRIC DUAL SEAT*												
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S445-4531</td> <td>C, P</td> <td>10 X 1.00</td> </tr> <tr> <td>S445-4532</td> <td>C, P</td> <td>10 X 1.25</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S445-4531	C, P	10 X 1.00	S445-4532	C, P	10 X 1.25			
PART NO.	MATERIAL	METRIC THREAD											
S445-4531	C, P	10 X 1.00											
S445-4532	C, P	10 X 1.25											
<b>S445-90</b>	90° MALE SWIVEL - METRIC DUAL SEAT*												
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S445-9031</td> <td>C, P</td> <td>10 X 1.00</td> </tr> <tr> <td>S445-9032</td> <td>C, P</td> <td>10 X 1.25</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S445-9031	C, P	10 X 1.00	S445-9032	C, P	10 X 1.25			
PART NO.	MATERIAL	METRIC THREAD											
S445-9031	C, P	10 X 1.00											
S445-9032	C, P	10 X 1.25											
<b>S446</b>	STRAIGHT MALE BULKHEAD												
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S446-31</td> <td>C, P</td> <td>10 X 1.00MM</td> </tr> </tbody> </table> <p>USE LOCKNUT 318-31</p>	PART NO.	MATERIAL	METRIC THREAD	S446-31	C, P	10 X 1.00MM						
PART NO.	MATERIAL	METRIC THREAD											
S446-31	C, P	10 X 1.00MM											
<b>S446EXP</b>	STRAIGHT MALE BULKHEAD												
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S446-31EXP</td> <td>C, P</td> <td>10 X 1.00MM</td> </tr> </tbody> </table> <p>VW GOLF/BMW</p>	PART NO.	MATERIAL	METRIC THREAD	S446-31EXP	C, P	10 X 1.00MM						
PART NO.	MATERIAL	METRIC THREAD											
S446-31EXP	C, P	10 X 1.00MM											

<b>S448-31</b>	STRAIGHT MALE FLAT SEAT															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S448-31</td> <td>P</td> <td>10 X 1.00</td> </tr> </tbody> </table> <p>VW GOLF/BMW</p>	PART NO.	MATERIAL	METRIC THREAD	S448-31	P	10 X 1.00									
PART NO.	MATERIAL	METRIC THREAD														
S448-31	P	10 X 1.00														
<b>S451</b>	FEMALE CONCAVE SWIVEL															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S451-31</td> <td>C,D</td> <td>10 X 1.00MM</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S451-31	C,D	10 X 1.00MM									
PART NO.	MATERIAL	METRIC THREAD														
S451-31	C,D	10 X 1.00MM														
<b>S452</b>	FEMALE CONVEX SWIVEL															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S452-31</td> <td>C, P</td> <td>10 X 1.00MM</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S452-31	C, P	10 X 1.00MM									
PART NO.	MATERIAL	METRIC THREAD														
S452-31	C, P	10 X 1.00MM														
<b>S492</b>	BANJO BOLT CONNECTORS															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S492-31</td> <td>C, P</td> <td>10 X 1.00MM</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	S492-31	C, P	10 X 1.00MM									
PART NO.	MATERIAL	METRIC THREAD														
S492-31	C, P	10 X 1.00MM														
<b>S6001</b>	STRAIGHT FEMALE CONCAVE SEAT															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> </tr> </thead> <tbody> <tr> <td>S6001-31_VW</td> <td>C, P</td> <td>10 X 1.00MM VW</td> </tr> <tr> <td>S6001-31_AU</td> <td>C, P</td> <td>10 X 1.00MM AUDI</td> </tr> <tr> <td>S6001-31_MN</td> <td>C, P</td> <td>10 X 1.00MM BMW/MINI</td> </tr> <tr> <td>S6001-31_PR</td> <td>C, P</td> <td>10 X 1.00MM PEUGEOT</td> </tr> </tbody> </table> <p>SAMPLE PART NO. S6001-31PVW = PLATED VW PART</p>	PART NO.	MATERIAL	METRIC THREAD	S6001-31_VW	C, P	10 X 1.00MM VW	S6001-31_AU	C, P	10 X 1.00MM AUDI	S6001-31_MN	C, P	10 X 1.00MM BMW/MINI	S6001-31_PR	C, P	10 X 1.00MM PEUGEOT
PART NO.	MATERIAL	METRIC THREAD														
S6001-31_VW	C, P	10 X 1.00MM VW														
S6001-31_AU	C, P	10 X 1.00MM AUDI														
S6001-31_MN	C, P	10 X 1.00MM BMW/MINI														
S6001-31_PR	C, P	10 X 1.00MM PEUGEOT														
<b>S6045</b>	45° FORGED FEMALE CONCAVE SEAT															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> <th>HOSE SIZE</th> </tr> </thead> <tbody> <tr> <td>S6045-31</td> <td>C</td> <td>10 X 1.00MM</td> <td>-03</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	HOSE SIZE	S6045-31	C	10 X 1.00MM	-03							
PART NO.	MATERIAL	METRIC THREAD	HOSE SIZE													
S6045-31	C	10 X 1.00MM	-03													
<b>S6090</b>	90° FORGED FEMALE CONCAVE SEAT															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> <th>HOSE SIZE</th> </tr> </thead> <tbody> <tr> <td>S6090-31</td> <td>C</td> <td>10 X 1.00MM</td> <td>-03</td> </tr> </tbody> </table>	PART NO.	MATERIAL	METRIC THREAD	HOSE SIZE	S6090-31	C	10 X 1.00MM	-03							
PART NO.	MATERIAL	METRIC THREAD	HOSE SIZE													
S6090-31	C	10 X 1.00MM	-03													
<b>S749</b>	FIXED FEMALE BULKHEAD CONCAVE METRIC SEAT															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> <th>HOSE SIZE</th> </tr> </thead> <tbody> <tr> <td>S749-03-31</td> <td>P, C</td> <td>10 X 1.00MM</td> <td>-03</td> </tr> <tr> <td>S749-03-32</td> <td>P, C</td> <td>10 X 1.25MM</td> <td>-03</td> </tr> </tbody> </table> <p>USE LOCKNUT 2K8686</p>	PART NO.	MATERIAL	METRIC THREAD	HOSE SIZE	S749-03-31	P, C	10 X 1.00MM	-03	S749-03-32	P, C	10 X 1.25MM	-03			
PART NO.	MATERIAL	METRIC THREAD	HOSE SIZE													
S749-03-31	P, C	10 X 1.00MM	-03													
S749-03-32	P, C	10 X 1.25MM	-03													
<b>S750</b>	FIXED FEMALE BULKHEAD CONVEX METRIC SEAT															
	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>MATERIAL</th> <th>METRIC THREAD</th> <th>HOSE SIZE</th> </tr> </thead> <tbody> <tr> <td>S750-03-31</td> <td>P</td> <td>10 X 1.00MM</td> <td>-03</td> </tr> </tbody> </table> <p>USE LOCKNUT 2K8686</p>	PART NO.	MATERIAL	METRIC THREAD	HOSE SIZE	S750-03-31	P	10 X 1.00MM	-03							
PART NO.	MATERIAL	METRIC THREAD	HOSE SIZE													
S750-03-31	P	10 X 1.00MM	-03													

## Metric Swage/Crimp Fittings for: 600/700K Hose - *continued*

Fitting Type : swage / crimp Application : Brake / Clutch	To Suit Hose : 600 / 700 Material : P CH C
--	--

### S754 STRAIGHT FEMALE CONVEX METRIC SEAT CIRCLIP GROOVE

PART NO.	MATERIAL	METRIC THREAD
S754-03-31 (17MM HEX) SUBARU	P, C	10 X 1.00MM
S754-03-31F (WITH FLATS)	P	10 X 1.00MM

### S755 STRAIGHT FEMALE CONVEX METRIC SEAT CIRCLIP GROOVE

PART NO.	MATERIAL	METRIC THREAD
S755-03-31 TOYOTA	P, C	10 X 1.00MM

### S757 STRAIGHT FEMALE CONVEX METRIC SEAT CIRCLIP GROOVE

PART NO.	MATERIAL	METRIC THREAD
S757-03-31 (17 MM ROUNDED EDGES HEX)	P, C	10 X 1.00MM

### S758 STRAIGHT FEMALE CONCAVE METRIC SEAT CIRCLIP GROOVE

PART NO.	MATERIAL	METRIC THREAD
S758-03-31	P	10 X 1.00MM
S758-03-31S (17MM HEX)	P	10 X 1.00MM
S758-03-31F	C, P	10 X 1.00MM

### S759 STRAIGHT FEMALE CONVEX SEAT CIRCLIP GROOVE

PART NO.	MATERIAL	METRIC THREAD
S759-03-31	P, C	10 X 1.00MM
S759-03-31S (17MM HEX/LONG NOSE) RENAULT	P, C	10 X 1.00MM
S759-03-M121	P	12 X 1.00MM
S759-03-32	P, C	10 X 1.00MM

## BSP/ NPT Swage/Crimp Fittings for: 600/700K Hose

Fitting Type : swage / crimp Application : Brake / Clutch	To Suit Hose : 600 / 700 Material : P CH C B
--	--

### S321 STRAIGHT FEMALE CONVEX SEAT

PART NO.	MATERIAL	BSP THREAD
S321-03	P	1/8 BSP

### S321SM STRAIGHT FEMALE TO SUIT SMITH PRESSURE GAUGE

PART NO.	MATERIAL	BSP THREAD
S321-03SM	P	1/8 BSP

### S760 STRAIGHT FEMALE LOCATOR CONVEX SEAT

PART NO.	MATERIAL	METRIC THREAD
S760-03-31 TOYOTA	P, C	10 X 1.00MM

### S762 STRAIGHT CIRCLIP FEMALE (ROUNDED EDGE) CONVEX

PART NO.	MATERIAL	METRIC THREAD
S762--03-31	P, C	10 X 1.00MM
S762-03-31SP SP = 17MM HEX (MAZDA)	P	10 X 1.00MM

### S770 STRAIGHT MALE CONVEX SEAT

PART NO.	MATERIAL	JIC/UNF THREAD
S770-03 FORD	P	10 X 1.00MM

### S771 STRAIGHT MALE CONVEX SEAT METRIC W/LOCATING FLAT

PART NO.	MATERIAL	METRIC THREAD
S771-03 FORD	P	10 X 1.00MM

### S772 STRAIGHT MALE CONCAVE SEAT METRIC

PART NO.	MATERIAL	METRIC THREAD
S772-03 FORD	P	10 X 1.00MM

## BSF

### S745 FIXED FEMALE BULKHEAD BSF CONVEX

PART NO.	MATERIAL	BSF THREAD	HOSE SIZE
S745-03 MORRIS	P	3/8 BSF	-03

### S323 STRAIGHT MALE CONCAVE SEAT

PART NO.	MATERIAL	BSP THREAD
S323-03	P	1/8 BSP

### S331 45° SWEEP TUBE FEMALE BSP

PART NO.	MATERIAL	BSP THREAD
S331-03	P	1/8 BSP

### S332 90° SWEEP TUBE FEMALE BSP

PART NO.	MATERIAL	BSP THREAD
S332-03	P	1/8 BSP

### S816 STRAIGHT MALE NPT

PART NO.	MATERIAL	BSP THREAD
S816-03	B	1/8 NPT



Material Key

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

## Swage/Crimp Banjos & Tee's for: 600 / 700K Hose

Fitting Type :  
swage / crimp  
Application :  
Brake / Clutch / Hydraulic

To Suit Hose :  
600 / 700

Material : C, CH, D, P T

\*Anodised Aluminium Colour :  
BK ● BU ● GD ● RD ● CL ● (silver)

Example Part No.  
5092-03DGD =  
Anodised Aluminium Gold

### S5091 BANJO

PART NO.	MATERIAL	HOSE	HOLE SIZE
S5091-02-03	C, T	-02	3/8, 10MM
S5091-02	C	-02	5/16, 8MM
S5091-03-04	P	-03	7/16, 11.2MM
*S5091-03	C, CH, D, P, T	-03	3/8, 10MM
S5091-04-03	C, D	-04	3/8, 10MM
S5091-04	C, D	-04	7/16, 11.2MM
S5091-04-M12	P, D	-04	12 X 1.00MM
S5091-04-M14	C	-04	14 X 1.00MM

### S5092 BANJO STRAIGHT EXTENDED NECK

PART NO.	MATERIAL	HOSE	HOLE SIZE
S5092-02-03	C	-02	3/8, 10MM
S5092-03-02	D	-03	5/16, 8MM
S5092-03-04	P, C, CH	-03	7/16, 11.2MM
*S5092-03	C, CH, D, P	-03	3/8, 10MM
S5092-04-03	C	-04	3/8, 10MM
5092-03-M12	C, CH	-03	12MM

### S5093 20° BANJO EXTENDED NECK

PART NO.	MATERIAL	HOSE	HOLE SIZE
S5093-02-03	C	-02	3/8, 10MM
S5093-03-04	P, C, CH	-03	7/16, 11.2MM
*S5093-03	C, CH, D, P	-03	3/8, 10MM
5093-03-M12	C, CH	-03	12MM

### S5093L BANJO - COMPOUND 20°/20° LEFT

PART NO.	MATERIAL	HOSE	HOLE SIZE
S5093L-03	C,P	-03	3/8, 10MM

### S5093R BANJO - COMPOUND 20°/20° RIGHT

PART NO.	MATERIAL	HOSE	HOLE SIZE
S5093R-03	C, P	-03	3/8, 10MM

### S5094 45° BANJO EXTENDED NECK

PART NO.	MATERIAL	HOSE	HOLE SIZE
*S5094-03	C, CH, D, P	-03	3/8, 10MM
S5094-02-03	T	-02	3/8, 10MM
S5094LTR-03	C	-03	3/8, 10MM

### S5094R/L BANJO - COMPOUND 45°/45° RIGHT / LEFT

PART NO.	MATERIAL	HOSE	HOLE SIZE
S5094R-03	C	-03	3/8, 10MM
S5094L-03	C	-03	3/8, 10MM

### S5095 BANJO - DOUBLE

PART NO.	MATERIAL	HOSE	HOLE SIZE
S5095-03-02	D	-03	5/16, 8MM
S5095-03	P, D	-03	3/8, 10MM

### S5097 SIDE 20° BANJO EXTENDED NECK

PART NO.	MATERIAL	HOSE	HOLE SIZE
*S5097-03	C, CH, D, P	-03	3/8, 10MM

### S5098 BANJO TWIN EXTENDED NECK

PART NO.	MATERIAL	HOSE	HOLE SIZE
S5098-03	P	-03	3/8, 10MM

### S5070 BANJO 70° EXTENDED NECK

PART NO.	MATERIAL	HOLE SIZE
S5070-03	P, CH, C	3/8, 10MM

### S5099 BANJO 90° EXTENDED NECK

PART NO.	MATERIAL	HOLE SIZE
S5099-03	C, P	3/8, 10MM

### S5099S BANJO 90° EXTENDED NECK

PART NO.	MATERIAL	HOLE SIZE
*S5099-03S	C, CH, D, P	3/8, 10MM

### S5132 TEE WITH LOCATING LUG

PART NO.	MATERIAL	OTR	SPUR
S5132-02-03	C	-02	3/8 X 24
S5132-03-03	C	-03	3/8 X 24

### S5135 3 WAY TEE

PART NO.	MATERIAL	OTR	SPUR
S5135-02-03	T	-2	-3
S5135-02	T	-2	-2
S5135-03	P, C	-3	-3

### S5136 3 WAY TEE WITH LOCATING LUG

PART NO.	MATERIAL	OTR	SPUR
S5136-02-03	C	-2	-3
S5136-02	C	-2	-2
S5136-03	P, C	-3	-3

STEPPED LUG : LUG 6.00MM THICK

### S5137 3 WAY TEE WITH LOCATING LUG

PART NO.	MATERIAL	OTR	SPUR
S5137-03	C	-3	-3

LUG 12.00MM THICK

### S5138 3 WAY TEE WITH LOCATING LUG

PART NO.	MATERIAL	OTR	SPUR
S5138-03	C	-3	-3

Material Key

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

## Special Line Locators

Fitting Type :

Locating Tab

Application :

Car brakeline kits

To Suit Hose :

600 series

Material : P C NY (Nylon)

Goodridge recognises the critical nature of hydraulic brake lines, especially for street driven passenger vehicles. It can be vital that during installation, the routing of the flexible stainless braided PTFE lines follows the path of the original equipment lines. In many instances, in-line locating tabs and mounting brackets are utilised to ensure proper fitment and eliminate the threat of damage. We have recreated these locators to fit our 600-Series Hose and use them on our complete Bolt On Brake Line Kits. They have been designed to fit specific applications.

### BTL-300/310

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BTL-300	P	MAZDA MITSUBISHI	600-03
BTL-300	C	MAZDA MITSUBISHI	600-03
BTL-310	P	MAZDA MITSUBISHI	600-03 COVERED
BTL-310	C	MAZDA MITSUBISHI	600-03 COVERED

17MM HEX WITH ONE ROUNDED CORNER

### BTL-303/313

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BTL-303	P	TOYOTA	600-03
BTL-303	C	TOYOTA	600-03
BTL-313	P	TOYOTA	600-03 COVERED
BTL-313	C	TOYOTA	600-03 COVERED

SINGLE LOCATING TAB

### BTL-304/314

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BTL-304	P	NISSAN, GM	600-03
BTL-304	C	NISSAN, GM	600-03
BTL-314	P	NISSAN, GM	600-03 COVERED
BTL-314	C	NISSAN, GM	600-03 COVERED

19MM HEX WITH SILICONE INSERT

### BTL-305/315

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BTL-305	P	MAZDA	600-03
BTL-305	C	MAZDA	600-03
BTL-315	P	MAZDA	600-03 COVERED
BTL-315	C	MAZDA	600-03 COVERED

19MM HEX WITH SILICONE INSERT

### BTL-306/316

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BTL-306	P	SUBARU	600-03
BTL-306	C	SUBARU	600-03
BTL-316	P	SUBARU	600-03 COVERED
BTL-316	C	SUBARU	600-03 COVERED

19MM HEX WITH SILICONE INSERT

### BTL-307/317

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BTL-307	P	TOYOTA	600-03
BTL-307	C	TOYOTA	600-03
BTL-317	P	TOYOTA	600-03 COVERED
BTL-317	C	TOYOTA	600-03 COVERED

17MM HEX WITH OPPOSITE ROUNDED CORNERS

### BTL-308/318

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BTL-308	P	SUBARU	600-03
BTL-308	C	SUBARU	600-03
BTL-318	P	SUBARU	600-03 COVERED
BTL-318	C	SUBARU	600-03 COVERED

17MM HEX WITH 10MM CLIP GROOVE

### BLT-301/311

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BLT-301NY	NY	HONDA, ACURA, ROVER, MG	600-03
BLT-311NY	NY	HONDA, ACURA, ROVER, MG	600-03 COVERED

SINGLE LOCATING TAB

### BLT-302/312

#### LINE LOCATOR



PART NO.	MAT	APPLICATION	TO SUIT
BLT-302NY	NY	HONDA, ACURA, ROVER, MG	600-03
BLT-312NY	NY	HONDA, ACURA, ROVER, MG	600-03 COVERED

DOUBLE LOCATING TAB

Material Key

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

## Banjo Bolts

Fitting Type :

Bolt

Application :

Brake / Clutch

To Suit Hose :

600 series

Material : P CH C D

\*Anodised Aluminium Colour :

BK ● BU ● GD ● RD ●

Example Part No.

5092-03DGD =

Anodised Aluminium Gold

Manufactured to exacting specifications to ensure an accurate fit to our Banjo Hose Ends every time, the Goodridge range of Banjo Bolts covers all possible applications. They are available in a wide range of materials, colours, lengths and threads.

**Long bolts are for use with 5091, 5095, 5096.**

**Under hex length:**

**Short: 18.5mm (S) Single: 20mm**

**Single Long: 25mm (L)**

**Double: 30mm Double Long: 40mm**

### 775

#### SINGLE BANJO BOLT UNF



PART NO.	MATERIAL	JIC/UNF THREAD
775-02	P, C, CH	5/16 X 24
775-03-02	CH	5/16 X 24
775-03	C, CH, D, P	3/8 X 24
775-03L	C, CH, D, P	3/8 X 24
775-04	C, CH, D, P	7/16 X 20
775-04L	C, CH, D, P	7/16 X 20
775-44	P, C, CH	7/16 X 24

### 992

#### SINGLE BANJO BOLT METRIC



PART NO.	MATERIAL	METRIC THREAD
*992-03-31	C, CH, D, P	10 X 1.00MM
992-03-31L	P, C	10 X 1.00MM
992-03-31S	P, C, D	10 X 1.00MM 18.5MM U/HEX
*992-03-32	C, CH, D, P	10 X 1.25MM
992-03-32L	P, CH	10 X 1.25MM
992-04-M12	C, CH	12 X 1.50MM

### 1012

#### SINGLE BANJO BOLT BSP



PART NO.	MATERIAL	BSP THREAD
1012-03	P, C	1/8 BSP
1012-04	P	1/4 BSP

### 993

#### DOUBLE BANJO BOLT METRIC



PART NO.	MATERIAL	METRIC THREAD
*993-03-31	C, CH, D, P	10 X 1.00MM
993-03-31L	P, C	10 X 1.00MM
993-03-31S	P, D	10 X 1.00MM 28MM U/HEX
*993-03-32	C, CH, D, P	10 X 1.25MM
993-04-32	C	10 X 1.25MM

### 773

#### DOUBLE BANJO BOLT JIC/UNF



PART NO.	MATERIAL	JIC/UNF THREAD
773-03	C, CH, D, P	3/8 X 24
773-03L	P, CH	3/8 X 24
773-44	P, CH	7/16 X 24
773-44L	P, CH	7/16 X 24

### 1013

#### DOUBLE BANJO BOLT BSP



PART NO.	MATERIAL	BSP THREAD
1013-03	P, C, CH	1/8 BSP

### BL775

#### SINGLE BRAKELIGHT BANJO BOLT JIC/UNF



PART NO.	MATERIAL	THREAD
BL775-03	C	3/8 X 24
BL775-44	C	7/16 X 24

### BL992

#### SINGLE BRAKELIGHT BANJO BOLT METRIC



PART NO.	MATERIAL	THREAD
BL992-31	C	10 X 1.00MM
BL992-32	C	10 X 1.25MM
BL992-31S	C	10 X 1.00MM (18.5MM U/HEX)

### BL993

#### DOUBLE BRAKELIGHT BANJO BOLT METRIC



PART NO.	MATERIAL	THREAD
BL993-31	C	10 X 1.00MM
BL993-32	C	10 X 1.25MM
BL993-31S	C	10 X 1.00MM (28MM U/HEX)

Material Key

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

## Bleed Nipple Banjo Bolts & Nipples

Fitting Type :

Bolt

Application :

Brake / Clutch

To Suit Hose :

600 series

Material : P CH C D

\*Anodised Aluminium Colour :

D ● (D = Red only for -3 bleed nipple banjo bolts)

Example Part No.

773-03BND = 773BN in Red Anodised Aluminium.

Goodridge developed Bleed Nipple Banjo Bolts in response to concerns about the length of time required to bleed hydraulic systems. Our design allows the installer to bleed the system at the source of the problem, at the master cylinder where the air is located. Use of our proprietary design allows the installer to burp the hydraulic system, ensuring safe and efficient bleeding.

### 775BN

#### SINGLE BANJO BOLT WITH BLEED NIPPLE UNF



PART NO.	MATERIAL	JIC/UNF THREAD
775-03BN	C, CH, D, P	3/8 X 24

### 992BN

#### SINGLE BANJO BOLT WITH BLEED NIPPLE METRIC



PART NO.	MATERIAL	METRIC THREAD
992-31BN	C, CH, D, P	10 X 1.00MM
992-32BN	C, CH, D, P	10 X 1.25MM

### 773BN

#### SINGLE BANJO BOLT WITH BLEED NIPPLE UNF



PART NO.	MATERIAL	JIC/UNF THREAD
773-03BN	C, CH, D, P	3/8 X 24

### 993BN

#### BLEED NIPPLE DOUBLE BANJO BOLT METRIC



PART NO.	MATERIAL	METRIC THREAD
993-31BN	C, CH, D, P	10 X 1.00MM
993-32BN	C, CH, D, P	10 X 1.25MM

## Bleed Nipples

Fitting Type :

Bleed Nipple

Application :

Brake systems

To Suit Hose :

600 series

Material : P C

Goodridge provide a wide range of bleed nipples in many thread configurations to suit every common application.

### BN506

#### BLEED NIPPLE UNF



PART NO.	MATERIAL	JIC/UNF THREAD
BN506	P	3/8 X 24

### BN507

#### BLEED NIPPLE METRIC



PART NO.	MATERIAL	METRIC THREAD
BN507	P, C	7 X 1.00MM

### BN508

#### BLEED NIPPLE METRIC



PART NO.	MATERIAL	METRIC THREAD
BN508	P, C	8 X 1.25MM

### BN510

#### BLEED NIPPLE METRIC



PART NO.	MATERIAL	METRIC THREAD
BN510	P	10 X 1.00MM

### BN704

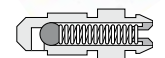
#### BLEED NIPPLE METRIC JIC/UNF



PART NO.	MATERIAL	JIC/UNF THREAD
BN704	P, C	1/4 X 28

### BNSB

#### SPEED BLEEDER



CROSS SECTION

PART NO.	MATERIAL	THREAD
BN506PSB	P	3/8 X 24
BN507PSB	P	7 X 1.00MM
BN508PSB	P	8 X 1.25MM
BN510PSB	P	10 X 1.00MM
BN512PSB	P	10 X 1.25MM
BN561PSB	P	6 X 1.00MM
BN704PSB	P	1/4 X 28

### BN-CAP

#### BLEED NIPPLE CAP



PART NO.
BN-CAP

Material Key

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

## Special Application Block Adaptors

Fitting Type :  
**Block Adaptor**  
Application :  
**Brake systems**  
To Suit Hose :  
**600 series**  
Material : B, C, P

Goodridge have a constantly developing range of special adaptors to ensure your brakeline kit fits correctly easily and safely. Block adaptors can be bought separately to assist you when routing your brake hose system.

G105A		TEE ADAPTOR WITH -03 LEG WITH 7/16 LOCATOR HOLE	
PART NO.	MATERIAL	THREAD	
G105A	B	3/8 X 24 INV	
G105AE	B	3/8 X 24 INV	
G105A-44	B	7/16 X 24 INV	
G105-31A	B	M10 X 1.00 INV	

APPLICATION MUSTANG/CHEROKEE

G106A		ANGLED BANJO ADAPTOR SQUARE HEAD	
PART NO.	MATERIAL	HOLE SIZE	
G106A	B	3/8	
G1067A	B	7/16	

APPLICATION FORD

G115		REAR TEE BLOCK GM	
PART NO.	MATERIAL	THREAD	
G115	B	M10 X 1.00 FEMALE 3/8 X 24 MALE	

APPLICATION CHEVROLET

G107		TEE BLOCK BRASS	
PART NO.	MATERIAL	THREAD A	THREAD B
G107	B	1/8 NPTM	3/8 X 24INV

SP-202		MOTORCYCLE ELBOW FEMALE CONVEX SEAT	
PART NO.	MATERIAL	THREAD A	
SP-202	C	10 X 1.00MM	

HONDA /BMW/ CBS BRAKING SYSTEMS

SP-203		MOTORCYCLE TEE FEMALE CONVEX SEAT	
PART NO.	MATERIAL	THREAD A	
SP-203	C	10 X 1.00MM	

S760		STRAIGHT FEMALE LOCATOR CONVEX SEAT	
PART NO.	MATERIAL	METRIC THREAD	
S760-03-31	P, C	10 X 1.00MM	

TOYOTA

## Harley - Special Application Parts - *continued overleaf*

Fitting Type :  
**Harley Special Adaptors**  
Application :  
**Brake**  
To Suit Hose :  
**600 series**  
Material : C CH

The Goodridge range of brake components extends to cover all Harley Davidson Brakelines including stock or modified bikes. They are included in our complete Bolt On Brake Line Kits, but are available separately. Each is finished in either chrome plated steel or polished stainless steel, giving the desired look for even the most particular owner.

MCHD-011		-03 MALE BRAKE LIGHT SWITCH BODY NO BRACKET	
PART NO.	MAT	JIC/UNF THREAD	
MCHD-011	C	1/8 NPT FEM / -3 MALE	
MCHD-014	CH	1/8 NPT FEM / -3 MALE	

MCHD-007		-03 BRAKE SWITCH BODY	
PART NO.	MAT	JIC/UNF THREAD	
MCHD-007	C	1/8 NPT FEM / -3 MALE	

MCHD-015		-03 MALE BRAKELIGHT SWITCH BODY	
PART NO.	MAT	THREAD	
MCHD-015	CH	1/8 NPT FEM / -03 MALE	

MCHD-016		-03 MALE BRAKELIGHT SWITCH BODY	
PART NO.	MAT	JIC/UNF THREAD	
MCHD-016	CH	1/8 NPT FEM / -03 MALE	

MCHD-002		-3 BRAKELIGHT SWITCH BODY NO BRACKET	
PART NO.	MAT	THREAD	
MCHD-002	C	1/8 NPT FEM	
SMCHD-002	C	1/8 NPT FEM	

MCHD-010C		-03 MALE BRAKELIGHT SWITCH BODY	
PART NO.	MAT	THREAD	
MCHD-010C	C	1/8 NPT FEM	
MCHD-010	CH	1/8 NPT FEM	

## Harley - Special Application Parts - *continued*

### MCHD-003 BRAKELIGHT SWITCH BODY

PART NO.	MAT	JIC/UNF THREAD
MCHD-003	C	1/8 NPT FEM



### MCHD-004 -3 BRAKELIGHT SWITCH BODY W/ GEARBOX BRACKET

PART NO.	MAT	THREAD
MCHD-004	C	1/8 NPT FEM



### MCHD-017C -03 MALE BRAKELIGHT SWITCH BODY

PART NO.	MAT	THREAD
MCHD-017C	C	1/8 NPT FEM



### S666 S BEND ADAPTOR

PART NO.	MAT	JIC/UNF THREAD
S666-03	CH	-3 TAIL TO 3/8 X 24 I.F.
666-03	CH	-3 TAIL TO 3/8 X 24 I.F.



### S6150 150° ADAPTOR

PART NO.	MAT	JIC/UNF THREAD
S6150-03	CH	-3 TAIL TO 3/8 X 24 I.F.
6150-03	CH	-3 TAIL TO 3/8 X 24 I.F.



### S690 90° ADAPTOR

PART NO.	MAT	JIC/UNF THREAD
S690-03	CH	-3 TAIL TO 3/8 X 24 I.F.
690-03	CH	-3 TAIL TO 3/8 X 24 I.F.



### S691 90° ADAPTOR LONG

PART NO.	MAT	JIC/UNF THREAD
S691-03	CH	-3 TAIL TO 3/8 X 24 I.F.
691-03	CH	-3 TAIL TO 3/8 X 24 I.F.



### 660 60° ADAPTOR

PART NO.	MAT	JIC/UNF THREAD
S660-03	CH	-3 TAIL TO 3/8 X 24 I.F.
660-03	CH	-3 TAIL TO 3/8 X 24 I.F.



### S646 45° ADAPTOR

PART NO.	MAT	JIC/UNF THREAD
S646-03	CH	-3 TAIL TO 3/8 X 24 I.F.
646-03	CH	-3 TAIL TO 3/8 X 24 I.F.



### MCHD-001 TEE BAR

PART NO.	MAT	JIC/UNF THREAD
MCHD-001	CH	3/8 X 24 FEM



### MCHD-005 45° FEMALE BANJO ADAPTOR

PART NO.	MAT	THREAD A	TO SUIT BOLT
MCHD-005	CH	3/8 X 24	3/8, 10MM



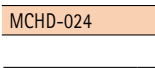
### MCHD-006 FRONT BRAKE TEE

PART NO.	MAT	JIC/UNF THREAD
MCHD-006	CH	3/8 X 24 I.F.



### MCHD-024 V-ROD MASTER TO TEE

PART NO.	MATERIAL	JIC/UNF THREAD
MCHD-024	CH	3/8 X 24 FEMALE PORTS



### 773 DOUBLE/SINGLE BANJO BOLT

PART NO.	MAT	THREAD A
773-03	C CH, P	3/8 X 24
775-03	C, CH, P	3/8 X 24
773-44	CM	7/16 X 24
773-446	CM	7/16 X 24
775-44	C, CH, P	7/16 X 24



### BL775 BRAKELIGHT BOLT

PART NO.	MATERIAL	JIC/UNF THREAD
BL775-44	C	7/16 X 24



### 592 STRAIGHT BANJO ADAPTOR

PART NO.	MATERIAL	THREAD	TO SUIT BOLT
592-03	CH	3/8 X 24	3/8, 10MM
592-03-04	CH	3/8 X 24	7/16, 11.2MM
592-03-M12	CH	3/8 X 24	12MM



### 593 30° BANJO ADAPTOR

PART NO.	MATERIAL	THREAD	TO SUIT BOLT
593-03	CH	3/8 X 24	3/8, 10MM
593-03-04	CH	3/8 X 24	7/16, 11.2MM
593-03-M12	CH	3/8 X 24	12MM



### 599 90° BANJO ADAPTOR

PART NO.	MATERIAL	THREAD	TO SUIT BOLT
599-03	CH	3/8 X 24	3/8, 10MM
599-03-04	CH	3/8 X 24	7/16



Material Key

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

## Harley Davidson Re-usable / Swaged Oil Line Fittings

Fitting Type :  
Reusable / Swaged  
Application :  
Harley Oil Lines

To Suit Hose :  
600-06  
Material : CH

A full and constantly developing range of special adaptors to ensure your oil lines fit correctly easily and safely.

These unique Goodridge oil line fittings have been designed specifically to suit Harley Davidson, and attach easily to the existing connection.

Simple to use, for the professional finish.

### HD0100CH

#### REUSABLE HARLEY OIL TANK FITTING



PART NO.	MAT	TO SUIT HOSE
HD0100CH	CH	600-06

### HD0103CH

#### REUSABLE STRAIGHT MALE



PART NO.	MAT	THREAD
HD0103CH	CH	1/8NPT
HD0104CH	CH	1/4 NPT

### HD4503CH

#### 45° REUSABLE FORGED FEMALE



PART NO.	MAT	THREAD
HD4503CH	CH	1/8NPT

### HD9003CH

#### 90° FORGED MALE REUSABLE



PART NO.	MAT	THREAD
HD9003CH	CH	1/8NPT

### HD0200CH

#### SWAGE STRAIGHT OIL TANK FITTING



PART NO.	MAT	TO SUIT HOSE
HD0200CH	CH	600-06

### HD0203CH

#### SWAGE STRAIGHT



PART NO.	MAT	THREAD
HD0203CH	CH	1/8NPT
HD0204CH	CH	1/4NPT

### HD4203CH

#### 45° FORGED MALE SWAGE



PART NO.	MAT	THREAD
HD4203CH	CH	1/8NPT

### HD9203CH

#### 90° FORGED MALE SWAGE



PART NO.	MAT	THREAD
HD9203CH	CH	1/8NPT

## Fuel Injection Lines for Twin Cam Evolution Engines

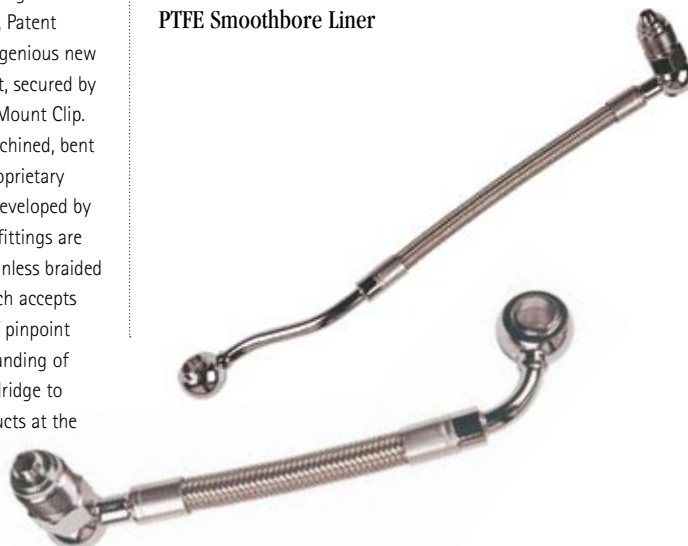
Part No.  
HDFL-005

Application :  
Fuel Injection

Material / Construction :  
Constructed From Chrome Plated Steel Fittings Swaged Onto a Stainless Steel Braided Hose With a PTFE Smoothbore Liner

With the advent of fuel injected systems for Harley Davidson, we recognised the need for cosmetically appealing fuel injection lines. These unique, Patent Pending fittings utilise an ingenious new style of swivelling Banjo Bolt, secured by double O-rings and a Flush Mount Clip. The Banjo Hose Ends are machined, bent and finished utilising the proprietary manufacturing techniques developed by Goodridge engineers. These fittings are securely attached to our stainless braided PTFE Smoothbore Hose, which accepts all fuels. The combination of pinpoint engineering and an understanding of market demands allow Goodridge to continue offering new products at the forefront of technology.


Constructed From Chrome Plated Steel Fittings Swaged Onto Stainless Steel Braided Hose With PTFE Smoothbore Liner




Material Key

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


Take off's


	MCC COOLER TAKE-OFF FOR GSXR 750/1100 J,K,L,M		
	PART NO.	MAT	THREAD
	MCC-001	D	3/4 X 16


TWO PART ITEM


	MCC CAM COOLER TAKE-OFF FOR GSXR 750/1100		
	PART NO.	MAT	THREAD
	MCC-002	D	9/16 X 18


THREE PART ITEM


	MCC ZEPHYR 1100 OIL COOLER TAKE-OFF		
	PART NO.	MAT	THREAD
	MCC-004	D	3/4 X 16


	MCC ZEPHYR 1100 OIL COOLER TAKE-OFF (OFF SET HOLES)		
	PART NO.	MAT	THREAD
	MCC-005	D	3/4 X 16

	MCC-003 XJR 1300 COOLER TAKE-OFF		
	PART NO.	MAT	THREAD
	MCC-003	D	7/8 X 14


	MCC-006 XJR 1300 ENG TAKE-OFF		
	PART NO.	MAT	THREAD
	MCC-006	D	7/8 X 14


	MCC-009 SUZUKI GSX 1400 ENGINE OIL TAKE OFF		
	PART NO.	MAT	THREAD
	MCC-009	D	3/4 X 16


	MCC ZEPHYR 550/750 OIL COOLER TAKE-OFF		
	PART NO.	MAT	THREAD
	MCC-008	D	9/16 X 18


	MCB MALE CRANK CASE BREATHER PLUG		
	PART NO.	MAT	THREAD
	MCB-002	D	3/4 X 16

OR6290-06 O RINGS X2 REQUIRED

	MCB 002 REQUIRED ON THE FOLLOWING EXCEPT MCB 007 AND MCB 008	
	PART NO.	DESCRIPTION
	MCB-003	M20 GSX 1000 LATE,GSXR 750/1100
MCB-004	M30 GS 1000, GPZ, ZEPHYR,Z900/1000	
MCB-005	YAMAHA COARSE THREAD	
MCB-006	YAMAHA FINE THREAD	
MCB-007	CBR 600 EARLY, CBR 1000	
MCB-008	CBR 600 LATE, CBR 900 ZXR	

	MCC-001A COOLER TAKE OFF FOR 1200 BANDIT		
	PART NO.	MAT	THREAD
	MCC-001A	D	3/4 X 16

	MCC-010 HONDA BLACKBIRD / X11 OIL COOLER TAKE-OFF		
	PART NO.	MAT	THREAD
	MCC-010	D	9/16 X 18

	MCC-011 HONDA BLACKBIRD / X11 ENGINE TAKE-OFF		
	PART NO.	MAT	THREAD
	MCC-011	D	9/16 X 18



**Material Key**

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

## 600 Series Hose

**Application :**  
Fuel, Oil, Water, Dampers

**Material / Construction :**  
Outer cover Corrosion and fire resistant Stainless steel braid and a PTFE inner tube compatible with all fluids

**Optional Covering :**  
Carbon look or Clear coated

**Please Note:**  
Other hose sizes are available with coatings by special request.



PART NO	BORE SIZE		PTFE WALL		BRAID O/D		COVER WALL		WORKING PRES		BURST PRES		WEIGHT		TEMPERATURE	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	KG/M	LB/FT	MIN	MAX
600-04	5.0	0.197	0.76	0.030	7.65	0.301	-	-	280	4110	840	12350	0.075	0.05	-70°C (158°F)	260°C (500°F)
600-05	6.3	0.248	0.76	0.030	8.9	0.350	-	-	270	3970	810	11900	0.105	0.07	-70°C (158°F)	260°C (500°F)
600-05CB	6.3	0.248	0.76	0.030	8.9	0.350	0.50	0.019	270	3970	810	11900	0.123	0.08	-20°C (68°F)	85°C (185°F)
600-05CL	6.3	0.248	0.76	0.030	8.9	0.350	0.50	0.019	270	3970	810	11900	0.123	0.08	-20°C (68°F)	85°C (185°F)
600-06	8.2	0.323	0.76	0.030	11.15	0.439	-	-	230	3380	690	10140	0.135	0.09	-70°C (158°F)	260°C (500°F)
600-08	10.6	0.417	0.76	0.030	12.75	0.502	-	-	190	2790	570	8380	0.149	0.1	-70°C (158°F)	260°C (500°F)
600-10	13.6	0.535	0.76	0.030	16.35	0.641	-	-	150	2200	450	6610	0.210	0.14	-70°C (158°F)	260°C (500°F)

## 600 High Pressure Series (HP)

**Application :**  
Power Steering, Hydraulic, Active Diff

**Material / Construction :**  
Outer cover Corrosion and fire resistant Stainless steel braid with Aramid fibre braid / PTFE inner tube compatible with fluids.

Goodridge again answers the call of the world motorsports top engineers, by developing a new high pressure hose that is significantly lighter in weight and offering superior flexibility without any compromise to operating pressure ranges. Our 600HP Series combines a smooth bore PTFE inner core

with an inner braid of tightly woven Aramid Fibre and an outer braid of high tensile, 304 grade stainless steel. This makes for the worlds lightest and most flexible high pressure hose, suitable for applications such as Gear Box Control Systems and Power Steering.



PART NO	BORE SIZE		PTFE WALL		BRAID O/D		WORKING PRES		BURST PRES		WEIGHT		MIN BEND RADIUS		TEMPERATURE	
	MM	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	INCH	MIN	MAX
600-04HP	5.1	0.200	0.76	0.030	8.9	0.350	375	5510	1500	22020	0.119	0.08	45	1.77	-70°C (158°F)	260°C (500°F)
600-06HP	8.2	0.335	0.76	0.030	12.3	0.484	325	4780	1300	19080	0.164	0.11	70	2.75	-70°C (158°F)	260°C (500°F)
600-08HP	10.6	0.417	0.76	0.030	14.8	0.583	250	3675	1000	14680	0.193	0.13	90	3.54	-70°C (158°F)	260°C (500°F)
600-10HP	13.5	0.531	0.76	0.030	18.2	0.716	175	2570	700	10270	0.298	0.20	120	4.72	-70°C (158°F)	260°C (500°F)

## Re-usable Fittings for 600 Hose

Fitting Type :

Reusable



Application :

Fuel, Oil, Water, Power Steering, Dampers

To Suit Hose :

600 series

Material : P D

Colour : BU  RD 

Smoothbore PTFE hose assemblies can provide the most economic, efficient and lightweight solution to Fuel and Oil transfer systems. We have developed an easy to assemble range of fittings for these applications. PTFE gives a vapour free environment where fuel lines run through the interior of the vehicle.

5091	STRAIGHT BANJO		
PART NO.	MATERIAL	TO SUIT BOLT	
5091-06	D		
5091-08	D		

6001	STRAIGHT FEMALE		
PART NO.	MATERIAL	THREAD	
6001-06	P, D	9/16 X 18	
6001-06-M16	D	16 X 1.50MM	
6001-08	P, D	3/4 X 16	

6045	45° FORGED FEMALE		
PART NO.	MATERIAL	THREAD	
6045-06	D	9/16 X 18	
6045-06-M12	D	12 X 1.50MM	
6045-06-M14	D	14 X 1.50MM	
6045-06-M16	D	16 X 1.50MM	
6045-08	D	3/4 X 16	

6046	45° SWEPT TUBE FEMALE		
PART NO.	MATERIAL	THREAD	
6046-06	P, D	9/16 X 18	
6046-08	P, D	3/4 X 16	

6090	90° FORGED FEMALE		
PART NO.	MATERIAL	THREAD	
6090-06	D	9/16 X 18	
6090-06-M12	D	12 X 1.50MM	
6090-06-M16	D	16 X 1.50MM	
6090-08	D	3/4 X 16	

6091	90° SWEPT TUBE FEMALE		
PART NO.	MATERIAL	JIC/UNF THREAD	
6091-06	P, D	9/16 X 18	
6091-08	D	3/4 X 16	

6120	120° SWEPT TUBE FEMALE		
PART NO.	MATERIAL	JIC/UNF THREAD	
6120-06	D	9/16 X 18	
6120-08	D	3/4 X 16	

6150	150° SWEPT TUBE FEMALE		
PART NO.	MATERIAL	JIC/UNF THREAD	
6150-06	D	9/16 X 18	
6150-08	D	3/4 X 16	

6180	180° SWEPT TUBE FEMALE		
PART NO.	MATERIAL	JIC/UNF THREAD	
6180-06	D	9/16 X 18	
6180-08	D	3/4 X 16	

## Replacement Sockets and Olives for 600 Hose

To Suit Hose :

600 series

Material : B, C, D, P

1205	OLIVE	
PART NO.	MATERIAL	
1205-06	P, B	
1205-08	P, B	

1206	SOCKET	
PART NO.	MATERIAL	
1206-06	C, D	
1206-08	C, D	

Material Key

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

## Swage/Crimp Fittings for: 600 and 600 High Pressure Hose

Fitting Type:  
swage / crimp

Application:  
Hydraulics, Power Steering, Fuel, Oil,  
Water, Methanol

To Suit Hose:  
600, 600HP

Material: C, D, P, \*T

Please note:

For 600 series medium pressure use  
medium pressure collar (CMP)

For 600 series high pressure use high  
pressure collar (CHP)

Aluminium fittings are not  
recommended for use with HP hose

\*316 Stainless steel & titanium fittings  
available by special order – contact sales  
department for details.

This newly engineered range of Crimp Tail  
Hose Ends, utilises the world's strongest  
and lightest materials, and is designed  
to withstand operating conditions and  
working environments found in both  
medium and high pressure applications.  
The fittings are designed to work with  
both 600 medium pressure and 600 high  
pressure hose. These fittings combine  
precise engineering tolerances, excellent  
strength, durability and the lightest possible  
method of attachment. Available in all  
popular configurations, these fittings are  
found in world motorsport, military artillery,  
production automobiles and industrial  
machinery.

### S441

#### STRAIGHT MALE CONVEX SEAT HIGH PRESSURE



PART NO.	MATERIAL	JIC/UNF THREAD
S441-06	C	9/16 X 18
S441-08	C	3/4 X 16

### S6001

#### STRAIGHT FEMALE MEDIUM/HIGH PRESSURE CONCAVE



PART NO.	MATERIAL	JIC/UNF THREAD
S6001-04	C, P, D	7/16 X 20
S6001-06	C, P, D	9/16 X 18
S6001-08	C, P, D	3/4 X 16
S6001-10	D	7/8 X 14

### S6046

#### 45° SWEPT TUBE FEMALE MEDIUM/HIGH PRESSURE CONCAVE



PART NO.	MATERIAL	JIC/UNF THREAD
S6046-04	C, P, D	7/16 X 20
S6046-06	C, D	9/16 X 18
S6046-08	C, D	3/4 X 16
S6046-10	D	7/8 X 14

### S5091

#### STRAIGHT BANJO MEDIUM/HIGH PRESSURE



PART NO.	MATERIAL
S5091-04	C,D,P
S5091-06-M12	D,P
S5091-08	D

### S6091

#### 90° SWEPT TUBE FEMALE MEDIUM/HIGH PRESSURE



PART NO.	MATERIAL	JIC/UNF THREAD
S6091-04	C, D, P	7/16 X 20
S6091-06	C, D, P	9/16 X 18
S6091-08	C, D	3/4 X 16
S6091-10	C	7/8 X 14

### S6120

#### 120° SWEPT TUBE FEMALE MEDIUM/HIGH PRESSURE



PART NO.	MATERIAL	THREAD
*S6120-04	C	7/16 X 20
*S6120-06	C	9/16 X 18
*S6120-08	C	3/4 X 16
*S6120-10	C	7/8 X 14

### S6150

#### 150° SWEPT TUBE FEMALE MEDIUM/HIGH PRESSURE



PART NO.	MATERIAL	THREAD
*S6150-04	C	7/16 X 20
*S6150-06	C	9/16 X 18
*S6150-08	C	3/4 X 16
*S6150-10	C	7/8 X 14

### S6180

#### 180° SWEPT TUBE MEDIUM/HIGH PRESSURE



PART NO.	MATERIAL	THREAD
*S6180-04	C	7/16 X 20
*S6180-06	C	9/16 X 18
*S6180-08	C	3/4 X 16
*S6180-10	C	7/8 X 14

### RC600

#### COLLARS TO SUIT 600 SERIES HOSE MEDIUM PRESSURE



PART NO.	MATERIAL	TO SUIT
RC600-04CMP	C	600-04
RC600-05CMP	C	600-05
RC600-06CMP	C	600-06
RC600-08CMP	C	600-08
RC600-10CMP	C	600-10

### RC600

#### TO SUIT 600 HP SERIES



PART NO.	MATERIAL	TO SUIT
RC600-04CHP	C	600-04HP
RC600-06CHP	C	600-06HP
RC600-08CHP	C	600-08HP
RC600-10CHP	C	600-10HP

### S5092

#### BANJO WITH INTEGRAL SWIVEL



PART NO.	MATERIAL	METRIC THREAD
S5092-05-M10CSW	C	10 X 1.00MM
S5092-05-M10PSW	P	10 X 1.00MM

A close-up, sepia-toned photograph of a complex industrial fluid transfer system. The image shows a dense network of pipes, hoses, and fittings. In the foreground, a braided metal hose is prominent, leading to a connection point. The background is filled with various curved and straight pipes, some of which are out of focus, creating a sense of depth and complexity. The lighting is dramatic, highlighting the metallic textures and the intricate geometry of the system.

performance fluid transfer systems



*200 Series Stainless Braided Nitrile Hose and Fittings*

*Section:04*

## Material Key

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

## 200 Series Hose

## Application :

Fuel, Oil, Coolants, Methanol, Water

## Material / Construction :

Integral stainless steel reinforced synthetic rubber with hi-tensile outer stainless steel braid

## Please Note:

Not to be used for fuel use inside a cockpit.

Goodridge 200 Series hose is the premier stainless steel braided nitrile hose. Designed to Goodridge's exacting specifications and exclusively manufactured for Goodridge, this hose has been supplied to motorsport racing champions for many years. 200 Hose is designed for use with a wide range of reusable aluminium hose ends and provides essential protection and resistance to high pressure, temperature, vibration, fire risks and chafing. It is constructed of a seamless synthetic CPE inner with an integral stainless steel braid and a high tensile stainless steel outer braid. 200

Series hose has the highest corrosion and fire resistance threshold of any stainless braided nitrile hose available. It can be used with all synthetic lubricants, fuels, oils, coolants and alcohols including methanol and nitromethane. This hose is perfectly manufactured for efficient

and reliable use with 136, 1136, 236, 336 and 2776 Series Hose Ends. The traditional racing hose.



PART NO	BORE SIZE		BRAID OD		WORKING PRES		BURST PRES		WEIGHT		MIN BEND RADIUS		TEMPERATURE RANGE	
	INCH	MM	INCH	MM	BAR	PSI	BAR	PSI	KG/M	LB/FT	INCH	MM	MIN	MAX
200-04	0.219	5.56	0.438	11.13	69	1000	6000	420	0.167	0.112	2.00	50.80	-46°C (114.8°F)	150°C (302°F)
200-05	0.250	6.25	0.500	12.50	69	1000	6000	420	0.184	0.123	2.25	56.25	-46°C (114.8°F)	150°C (302°F)
200-06	0.344	8.73	0.547	13.89	69	1000	6000	420	0.201	0.135	2.50	63.50	-46°C (114.8°F)	150°C (302°F)
200-07	0.380	9.38	0.625	15.63	69	1000	5000	350	0.236	0.158	2.75	76.20	-46°C (114.8°F)	150°C (302°F)
200-08	0.438	11.12	0.641	16.28	69	1000	5000	350	0.271	0.182	3.50	88.90	-46°C (114.8°F)	150°C (302°F)
200-10	0.562	14.27	0.797	20.24	69	1000	5000	350	0.348	0.234	4.00	101.60	-46°C (114.8°F)	150°C (302°F)
200-12	0.688	17.47	0.928	23.82	69	1000	3750	263	0.421	0.283	4.50	114.30	-46°C (114.8°F)	150°C (302°F)
200-16	0.875	22.22	1.156	29.36	52	750	2500	175	0.552	0.377	5.50	139.70	-46°C (114.8°F)	150°C (302°F)
200-20	1.125	28.70	1.437	36.49	35	500	2000	138	0.732	0.492	8.00	203.20	-46°C (114.8°F)	150°C (302°F)
200-24	1.375	34.92	1.704	43.28	17	250	2000	138	1.000	0.672	9.00	228.00	-46°C (114.8°F)	150°C (302°F)
200-28	1.500	38.10	1.850	46.99	21	300	1200	82	1.190	0.800	10.00	254.00	-46°C (114.8°F)	150°C (302°F)
200-32	1.781	45.24	2.094	53.19	14	200	1200	82	1.339	0.900	12.50	317.50	-46°C (114.8°F)	150°C (302°F)

## 336 / 236 Metric Alloy Hose Fittings for: 200 Series Hose

## Fitting Type :

Cutter-style reusable

## Application :

Fuel, Oil, Coolants, Methanol, Water

## To Suit Hose :

200

## Material : D

Initially required by our European and Japanese markets, our full range of Metric Hose Ends for 200 Series Hose is second to none. Utilising our exclusive Triple Seal/ Double O-ring design all our Metric Hose Ends allow for all alignments with their 360-degree swivel ends. Each has a forged style body, offering that added measure of strength.

Metric hose ends eliminate the need for the extra weight of a JIC/Metric adaptor.

## 336-45

## 45° FEMALE FORGED BODY SPHERICAL SEAT



PART NO.	THREAD
336-4506M12	M12 X 1.5MM
336-4506M14	M14 X 1.5MM
336-4506M16	M16 X 1.5MM
336-4508M14	M14 X 1.5MM
336-4508M16	M16 X 1.5MM
336-4508M18	M18 X 1.5MM

## 336-90

## 90° FEMALE FORGED BODY SPHERICAL SEAT



PART NO.	THREAD
336-9006M12	M12 X 1.5MM
336-9006M14	M14 X 1.5MM
336-9006M16	M16 X 1.5MM
336-9008M14	M14 X 1.5MM
336-9008M16	M16 X 1.5MM
336-90108M18	M18 X 1.5MM

## 236-01

## STRAIGHT FEMALE SPHERICAL SEAT



PART NO.	THREAD
236-0106M12	M12 X 1.5MM
236-0106M14	M14 X 1.5MM
236-0106M16	M16 X 1.5MM
236-0108M14	M14 X 1.5MM
236-0108M16	M16 X 1.5MM
236-0108M18	M18 X 1.5MM

**Material Key**

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

## 236 JIC Alloy Hose Fittings for : 200 Series Hose

Fitting Type :

Cutter-style reusable

Application :

Fuel, Oil, Coolants, Methanol, Water

To Suit Hose :

200

Material : D

The most comprehensive range of lightweight, re-usable alloy hose ends precisely engineered to fit our 200 Series Hose. Our Aerospace standard Triple Seal/ Double O-ring nitrile, cutter design ensures a secure, leak free connection every time. All 236, 336 and 1136 Series Hose Ends allow for all time alignment with their 360-degree swivel ends. Our 236 Series has our full flow bent tube bodies, giving increased flow characteristics. The 336 Series has forged style bodies, offering that added measure of strength. They are bright anodised red and blue for longer life and colour retention.

### 236-01

#### STRAIGHT FEMALE



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
236-0106	200-06	9/16 X 18
236-0106DV	200-06	9/16 X 18 INV
236-0108	200-08	3/4 X 16
236-0110	200-10	7/8 X 14
236-0112	200-12	1 1/16 X 12
236-0116	200-16	1 5/16 X 12

### 236-31

#### 30° FEMALE SWEPT TUBE



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
236-3106	200-06	9/16 X 18
236-3108	200-08	3/4 X 16
236-3110	200-10	7/8 X 14
236-3112	200-12	1 1/16 X 12
236-3116	200-16	1 5/16 X 12

### 236-45

#### 45° FEMALE SWEPT TUBE



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
236-4506	200-06	9/16 X 18
236-4508	200-08	3/4 X 16
236-4510	200-10	7/8 X 14
236-4512	200-12	1 1/16 X 12
236-4516	200-16	1 5/16 X 12

### 236-60

#### 60° FEMALE SWEPT TUBE



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
236-6106	200-06	9/16 X 18
236-6108	200-08	3/4 X 16
236-6110	200-10	7/8 X 14
236-6112	200-12	1 1/16 X 12
236-6116	200-16	1 5/16 X 12

### 236-90

#### 90° FEMALE SWEPT TUBE



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
236-9006	200-06	9/16 X 18
236-9008	200-08	3/4 X 16
236-9010	200-10	7/8 X 14
236-9012	200-12	1 1/16 X 12
236-9016	200-16	1 5/16 X 12

### 236-120

#### 120° FEMALE SWEPT TUBE



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
236-12006	200-06	9/16 X 18
236-12008	200-08	3/4 X 16
236-12010	200-10	7/8 X 14
236-12012	200-12	1 1/16 X 12
236-12016	200-16	1 5/16 X 12

### 236-150

#### 150° FEMALE SWEPT TUBE



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
236-15006	200-06	9/16 X 18
236-15008	200-08	3/4 X 16
236-15010	200-10	7/8 X 14
236-15012	200-12	1 1/16 X 12
236-15016	200-16	1 5/16 X 12

### 236-180

#### 180° FEMALE SWEPT TUBE



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
236-18006	200-06	9/16 X 18
236-18008	200-08	3/4 X 16
236-18010	200-10	7/8 X 14
236-18012	200-12	1 1/16 X 12
236-18016	200-16	1 5/16 X 12

## 336 Forged Fittings for 200 Hose

Fitting Type :

Cutter-style reusable

Application :

Fuel, Oil, Coolants, Methanol, Water

To Suit Hose :

200

Material : D

Forged fittings offer extra strength and low profile for difficult and restricted locations.

### 336-90

#### 90° FEMALE FORGED ELBOW



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
336-9006	200-06	9/16 X 18
336-9008	200-08	3/4 X 16
336-9010	200-10	7/8 X 14
336-9012	200-12	1 1/16 X 12

### 336-45

#### 45° FEMALE FORGED ELBOW



PART NO.	TO SUIT HOSE	JIC/UNF THREAD
336-4506	200-06	9/16 X 18
336-4508	200-08	3/4 X 16
336-4510	200-10	7/8 X 14
336-4512	200-12	1 1/16 X 12

Material Key

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

## Carburetor Hose Fittings for: 200 Hose

Fitting Type :

Cutter-style reusable

Application :

Holley and Dellorto carburetor fittings

To Suit Hose : 200

Material : D

Colour : BU ● / RD ●

### 2776-06-M12D

BANJO BOLT FOR WEBBER CARBURETOR



PART NO.	MATERIAL	JIC/UNF THREAD
2776-06-M12D	D	M12 X 1.50

STEPPED BANJO BOLT REQUIRES M16 WASHER

### 2776-06-M122D

BANJO BOLT FOR DELLORTO CARBURETOR



PART NO.	MATERIAL	JIC/UNF THREAD
2776-06-M122D	D	M12 X 1.25

STEPPED BANJO BOLT REQUIRES M16 WASHER

### CW901- M16

BANJO TO HOSE END TO HOSE END



PART NO.	MATERIAL
CW901-M16	D

### 2776-1106

BANJO TO HOSE END



PART NO.	MATERIAL
2776-1106	D

### 2776-2106

BANJO TO HOSE CONNECTION MALE FITTING ON THE RUN



PART NO.	MATERIAL
2776-2106	D

### 2776-3106

BANJO TO HOSE END TO HOSE END



PART NO.	MATERIAL	JIC/UNF THREAD
2776-3106	D	9/16 X 18

## 1136 Swivel Single Nipple Max-flow Alloy Hose Fittings for: 200 Series Hose

Fitting Type :

Single nipple reusable

Application :

Fuel, Oil, Coolants, Methanol, Water

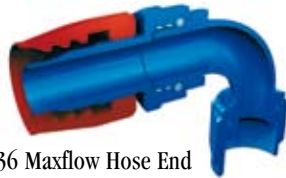
To Suit Hose :

200

Material : D

Colour : BU ● RD ● SILVER ●

This series combines the popular single nipple design with a full 360° adjustable capability all at an affordable price. Fittings can be produced in electroplate finish or clear anodised (silver).



1136 Maxflow Hose End

### 1136-01

STRAIGHT FEMALE SWIVEL



PART NO.	TO SUIT	JIC/UNF THREAD
1136-0104	200-04	7/16 x 20
1136-0106	200-06	9/16 x 18
1136-0108	200-08	3/4 x 16
1136-0110	200-10	7/8 x 14
1136-0112	200-12	1 1/16 x 12
1136-0116	200-16	1 5/16 x 12

### 1136-30

30° FEMALE SWEPT TUBE SWIVEL



PART NO.	TO SUIT	JIC/UNF THREAD
1136-3006	200-06	9/16 x 18
1136-3008	200-08	3/4 x 16
1136-3010	200-10	7/8 x 14
1136-3012	200-12	1 1/16 x 12
1136-3016	200-16	1 5/16 x 12

### 1136-45

45° FEMALE SWEPT TUBE SWIVEL



PART NO.	TO SUIT	JIC/UNF THREAD
1136-4504	200-04	7/16 x 20
1136-4506	200-06	9/16 x 18
1136-4508	200-08	3/4 x 16
1136-4510	200-10	7/8 x 14
1136-4512	200-12	1 1/16 x 12
1136-4516	200-16	1 5/16 x 12

### 1136-60

60° FEMALE SWEPT TUBE SWIVEL



PART NO.	TO SUIT	JIC/UNF THREAD
1136-6006	200-06	9/16 x 18
1136-6008	200-08	3/4 x 16
1136-6010	200-10	7/8 x 14
1136-6012	200-12	1 1/16 x 12
1136-6016	200-16	1 5/16 x 12

### 1136-90

90° FEMALE SWEPT TUBE SWIVEL




PART NO.	TO SUIT	JIC/UNF THREAD
1136-9004	200-04	7/16 x 20
1136-9006	200-06	9/16 x 18
1136-9008	200-08	3/4 x 16
1136-9010	200-10	7/8 x 14
1136-9012	200-12	1 1/16 x 12
1136-9016	200-16	1 5/16 x 12





**Material Key**

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

## 1136 Swivel Single Nipple Max-flow Alloy Hose Fittings for: 200 Series Hose- *Continued*

1136-120	120° FEMALE SWEPT TUBE SWIVEL		
PART NO.	TO SUIT	JIC/UNF THREAD	
1136-12006	200-06	9/16 X 18	
1136-12008	200-08	3/4 X 16	
1136-12010	200-10	7/8 X 14	
1136-12012	200-12	1 1/16 X 12	
1136-12016	200-16	1 5/16 X 12	


1136-150	150° FEMALE SWEPT TUBE SWIVEL		
PART NO.	TO SUIT	JIC/UNF THREAD	
1136-15006	200-06	9/16 X 18	
1136-15008	200-08	3/4 X 16	
1136-15010	200-10	7/8 X 14	
1136-15012	200-12	1 1/16 X 12	
1136-15016	200-16	1 5/16 X 12	


1136-180	180° FEMALE SWEPT TUBE SWIVEL		
PART NO.	TO SUIT	JIC/UNF THREAD	
1136-18006	200-06	9/16 X 18	
1136-18008	200-08	3/4 X 16	
1136-18010	200-10	7/8 X 14	
1136-18012	200-12	1 1/16 X 12	
1136-18016	200-16	1 5/16 X 12	


## 136 Electroplate Single Nipple JIC/UNF Alloy Hose Fittings for: 200 Series Hose


**Fitting Type :**  
Single nipple reusable  
**Application :**  
Fuel, Oil, Coolants, Methanol, Water  
**To Suit Hose :**  
200  
**Material :** D


Identical to our Red and Blue 1136 series single nipple fittings, but silver electroplate.


136-01	STRAIGHT FEMALE		
PART NO.	TO SUIT	JIC/UNF THREAD	
136-0104DE	200-04	7/16 X 20	
136-0106DE	200-06	9/16 X 18	
136-0108DE	200-08	3/4 X 16	
136-0110DE	200-10	7/8 X 14	
136-0112DE	200-12	1 1/16 X 12	
136-0116DE	200-16	1 5/16 X 12	

136-45	45° FEMALE SWEPT TUBE		
PART NO.	TO SUIT	JIC/UNF THREAD	
136-4504DE	200-04	7/16 X 20	
136-4506DE	200-06	9/16 X 18	
136-4508DE	200-08	3/4 X 16	
136-4510DE	200-10	7/8 X 14	
136-4512DE	200-12	1 1/16 X 12	
136-4516DE	200-16	1 5/16 X 12	

136-90	90° FEMALE SWEPT TUBE		
PART NO.	TO SUIT	JIC/UNF THREAD	
136-9004DE	200-04	7/16 X 20	
136-9006DE	200-06	9/16 X 18	
136-9008DE	200-08	3/4 X 16	
136-9010DE	200-10	7/8 X 14	
136-9012DE	200-12	1 1/16 X 12	
136-9016DE	200-16	1 5/16 X 12	

136-120	120° FEMALE SWEPT TUBE		
PART NO.	TO SUIT	JIC/UNF THREAD	
136-12004DE	200-04	7/16 X 20	
136-12006DE	200-06	9/16 X 18	
136-12008DE	200-08	3/4 X 16	
136-12010DE	200-10	7/8 X 14	
136-12012DE	200-12	1 1/16 X 12	
136-12016DE	200-16	1 5/16 X 12	

136-150	150° FEMALE SWEPT TUBE SWIVEL		
PART NO.	TO SUIT	JIC/UNF THREAD	
136-15004DE	200-04	7/16 X 20	
136-15006DE	200-06	9/16 X 18	
136-15008DE	200-08	3/4 X 16	
136-15010DE	200-10	7/8 X 14	
136-15012DE	200-12	1 1/16 X 12	
136-15016DE	200-16	1 5/16 X 12	

136-180	180° FEMALE SWEPT TUBE SWIVEL		
PART NO.	TO SUIT	JIC/UNF THREAD	
136-18004DE	200-04	7/16 X 20	
136-18006DE	200-06	9/16 X 18	
136-18008DE	200-08	3/4 X 16	
136-18010DE	200-10	7/8 X 14	
136-18012DE	200-12	1 1/16 X 12	
136-18016DE	200-16	1 5/16 X 12	

## 202 Hose

**Application :**

Fuel, Oil, Coolants, Methanol, Water

**Material / Construction :**

Stainless steel braided rubber hose

**Please Note:**

Not designed to be used with push fit fittings.

202 Hose is a single braid hose for stand pipe applications. Use with 936 hose finishers or hose clips 202 Hose offers quality and appearance at affordable cost.



PART NO	BORE SIZE		BRAID OD		MIN BEND RADIUS		WORKING PRESSURE		BURST PRESSURE	
	INCH	MM	INCH	MM	INCH	MM	BAR	PSI	BAR	PSI
202-04	0.25	6.70	0.5	13	1.49	38	63	900	350	5300
202-05	0.31	7.90	0.57	14.5	1.77	45	63	900	350	5300
202-06	0.37	9.5	0.61	15.5	2.08	53	63	900	350	5300
202-08	0.5	10.70	0.73	18.7	2.4	62	63	900	350	5300

## Hose Finisher for No Thread Applications of 200, 202 & 536/TF-TU25 Hoses

**Application :**

Fuel, Oil, Coolants, Water

**Material / Construction :**

Anodised aluminium with stainless steel gear drive clamp

When your hoses are not exposed to pressures or working environments that demand our race ready 1136, 236 or 336 Series Hose Ends our hose finishers are just what you need. These 936-Series Hose Finishers hide a 100% stainless steel Gear Drive Hose Clamp, giving the look of racing fittings at an affordable price. They are the perfect finishing touch to a fully dressed engine.

### 936 RED HOSE FINISHER



PART NO.	COLOUR	200 HOSE	202 HOSE	TF-TU25 HOSE
936-04DR	R	-4 Et -5	-4	
936-06DR	R	-6 Et -7	-5 Et -6	-4
936-08DR	R	-8		-6
936-10DR	R	-10		-8
936-12DR	R	-12		-10
936-14DR	R			-12
936-16DR	R	-16		
936-18DR	R	-18		
936-20DR	R	-20		
936-24DR	R	-24		
936-28DR	R	-28		
936-36DR	R	-36		

### 936 BLUE HOSE FINISHER



PART NO.	COLOUR	200 HOSE	202 HOSE	TF-TU25 HOSE
936-04D	B	-4 Et -5	-4	
936-06D	B	-6 Et -7	-5 Et -6	-4
936-08D	B	-8		-6
936-10D	B	-10		-8
936-12D	B	-12		-10
936-14D	B			-12
936-16D	B	-16		
936-18D	B	-18		
936-20D	B	-20		
936-24D	B	-24		
936-28D	B	-28		
936-36D	B	-36		

### 936



### SILVER HOSE FINISHER

PART NO.	COLOUR	200 HOSE	202 HOSE	TF-TU25 HOSE
936-04D	CH	-4 Et -5	-4	
936-06D	CH	-6 Et -7	-5 Et -6	-4
936-08D	CH	-8		-6
936-10D	CH	-10		-8
936-12D	CH	-12		-10
936-14D	CH			-12
936-16D	CH	-16		
936-18D	CH	-18		
936-20D	CH	-20		
936-24D	CH	-24		7/8 X 14
936-28D	CH	-28		1 1/16 X 12
936-36D	CH	-36		1 5/16 X 12

### 936



### PURPLE HOSE FINISHER

PART NO.	COLOUR	200 HOSE	202 HOSE	TF-TU25 HOSE
936-04D	PR	-4 Et -5	-4	
936-06D	PR	-6 Et -7	-5 Et -6	-4
936-08D	PR	-8		-6
936-10D	PR	-10		-8
936-12D	PR	-12		-10

### 936



### GOLD HOSE FINISHER

PART NO.	COLOUR	200 HOSE	202 HOSE	TF-TU25 HOSE
936-06D	GD	-6 Et -7	-6	-4
936-08D	GD	-8		-6
936-10D	GD	-10		-8
936-12D	GD	-12		-10
936-14D	GD			-12
936-18D	GD	-18		

### 936



### BLACK HOSE FINISHER

PART NO.	COLOUR	200 HOSE	202 HOSE	TF-TU25 HOSE
936-12D	BK	-12		-10



*536 and TF-TU25 Push Fit Hose and Fittings*

*Section:05*

## 536 Hose

**Application :**

Fuel, Oil, Coolants, Air, Water

**Material / Construction :**

Textile reinforced rubber with elastomer cover

**Temperature Range :**

-40°C (-40°F) to 100°C (212°F)

Goodridge Push Fit 536 Series Hose is an exclusive product manufactured with a special reinforced internal textile braiding and blue elastomer cover. This high quality hose is designed for use in lower pressure applications with our new range of 536 Series Push Fit Hose Ends. When the superior performance of stainless braided nitrile hose is not required, Push Fit is an excellent choice offering high quality, reliability, durability and affordability (not recommended for suction systems).



PART NO	BORE SIZE		BRAID		WORK PRES		BURST PRES		WEIGHT		MIN BEND RADIUS	
	MM	IN	MM	IN	PSI	BAR	PSI	BAR	KG/M	LB/FT	MM	IN
536-04	6.35	0.250	12.70	0.500	17	250	1000	69	0.10	0.070	76.20	3.00
536-06	9.52	0.375	15.87	0.620	17	250	1000	69	0.16	0.107	76.20	3.00
536-08	12.70	0.500	19.05	0.750	17	250	1000	69	0.22	0.148	127.00	5.00
536-10	15.87	0.625	23.00	0.900	17	250	1000	69	0.30	0.202	152.40	6.00
536-12	19.05	0.750	26.19	1.030	17	250	1000	69	0.36	0.242	177.80	7.00

## TF-TU25 Hose

**Application :**

Fuel, Oil, Coolants, Air, Water

**Material / Construction :**

Cotton reinforced rubber compound inner with synthetic rubber outer

**Temperature Range :**

-40°C (-40°F) to 80°C (176°F) continuously, -40°C (-40°F) to 120°C (248°F) intermittently

Our TF-TU25 Hose can be used for automotive applications where the superior performance of more sophisticated hose is not required, but reliability is just as important. A high

quality and useful lower pressure hose for use with steel or alloy fittings, TF-TU25 Series Hose is constructed of a synthetic rubber outer cover with an oil resisting seamless rubber compound

inner with a cotton reinforcement. TF-TU25 Series Hose is compatible with fuels, oils, coolants and hydraulic fluids. Conforms to SAE 100 R .6.



PART NO	BORE SIZE		PTFE WALL		HOSE O/D		WORKING PRES		BURST PRES		WEIGHT		MIN BEND RADIUS	
	MM	IN	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
TF-TU25-04	6.00	0.236	4.00	0.157	14.00	0.551	25	375	79	1157	.15	0.10	40	1.574
TF-TU25-06	10.00	0.393	4.00	0.157	18.00	0.709	25	375	79	1157	.25	0.17	60	2.362
TF-TU25-08	13.00	0.511	4.00	0.157	21.00	0.827	25	375	79	1157	.30	0.20	80	3.150
TF-TU25-10	16.00	0.630	4.00	0.157	25.00	0.984	25	375	79	1157	.40	0.27	100	3.937
TF-TU25-12	19.00	0.748	5.00	0.197	29.00	1.142	25	375	79	1157	.50	0.34	120	4.724

## 3556 Hose

**Application :**

Fuel (diesel / petrol inc: unleaded fuels)

**Material / Construction :**

Abrasion resistant rubber outer, with a smooth rubber lining



**Temperature Range :**

-20°C (-4°F) to 80°C (176°F)

PART NO	BORE SIZE		OUTER DIAMETER		WORKING PRESSURE		BURST PRESSURE	
	MM	IN	MM	IN	BAR	PSI	BAR	PSI
3556-05	6	1/4	13.00	0.511	8	120	16	240
3556-06	8	5/16	15.00	0.591	8	120	16	240
3556-07	10	3/8	17.00	0.669	8	120	16	240
3556-08	13	1/2	21.00	0.827	8	120	16	240

## Silicone Vacuum Hose

**Application :**

Low pressure vacuum line, washer tube, coolant overflow

**Material / Construction :**

Silicone



PART NO	BORE SIZE		OUTER DIAMETER		TEMPERATURE	
	MM	IN	MM	IN	°C	
VT3-BK	3	0.118	7	.275	-60°C	200°C
VT4-BK	4	0.157	8	.3150	-60°C	200°C

**Material Key**

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

## JIC/UNF Push Fit Hose Fittings for 536 Hose

**Fitting Type :**  
Push Fit  
**Application :**  
Fuel , Oil, Water, Air, Coolants  
**To Suit Hose :**  
536  
**Material :** D  
**Colour :** BU

A complete range of 536 Series Push Fit Hose Ends have been designed and manufactured to match our 536 Series Hose. All 536 Series Push Fit Hose Ends are manufactured to the same high standards as our Red and Blue alloy hose ends. The Goodridge developed Sure Lock barbed end securely locks into the hose, giving a cost effective, safe and reliable connection. Once pushed on you will have to cut it off. Great for all low pressure applications and breathers.

### 536-01

#### STRAIGHT FEMALE CONCAVE SEAT



PART NO.	TO SUIT	JIC/UNF THREAD
536-0104	536-04	7/16 X 20
536-0106	536-06	9/16 X 18
536-0108	536-08	3/4 X 16
536-0110	536-10	7/8 X 14
536-0112	536-12	1 1/16 X 12

### 536-45

#### 45° SWEEP TUBE FEMALE CONCAVE SEAT



PART NO.	TO SUIT	JIC/UNF THREAD
536-4504	536-04	7/16 X 20
536-4506	536-06	9/16 X 18
536-4508	536-08	3/4 X 16
536-4510	536-10	7/8 X 14
536-4512	536-12	1 1/16 X 12

### 536-90

#### 90° SWEEP TUBE FEMALE CONCAVE SEAT



PART NO.	TO SUIT	JIC/UNF THREAD
536-9004	536-04	7/16 X 20
536-9006	536-06	9/16 X 18
536-9008	536-08	3/4 X 16
536-9010	536-10	7/8 X 14
536-9012	536-12	1 1/16 X 12

### 536-120

#### 120° SWEEP TUBE FEMALE CONCAVE SEAT



PART NO.	TO SUIT	JIC/UNF THREAD
536-12004	536-04	7/16 X 20
536-12006	536-06	9/16 X 18
536-12008	536-08	3/4 X 16
536-12010	536-10	7/8 X 14
536-12012	536-12	1 1/16 X 12

### 536-150

#### 150° SWEEP TUBE FEMALE CONCAVE SEAT



PART NO.	TO SUIT	JIC/UNF THREAD
536-15004	536-04	7/16 x 20
536-15006	536-06	9/16 x 18
536-15008	536-08	3/4 x 16
536-15010	536-10	7/8 x 14
536-15012	536-12	1 1/16 x 12

### 536-180

#### 180° SWEEP TUBE FEMALE CONCAVE SEAT



PART NO.	TO SUIT	JIC/UNF THREAD
536-18004	536-04	7/16 X 20
536-18006	536-06	9/16 X 18
536-18008	536-08	3/4 X 16
536-18010	536-10	7/8 X 14
536-18012	536-12	1 1/16 X 12

## BSP Hose Fittings for TF-TU25/536 Hose

**Fitting Type :**  
Push Fit  
**Application :**  
Fuel , Oil, Water, Air, Coolants  
**To Suit Hose :**  
536 / TTFU25  
**Material :** P

This range of Sure Lock style Push Fit Hose Ends is designed for our 536 and TTFU25 Series Hoses. They do not require an additional hose clamp to hold the recommended pressures of the hose. These economy hose ends can be quickly fitted to the hose for a safe and effective connection. A range of steel JIC/UNF fittings are also available. Ideal for oil cooler/water applications

### 350

#### STRAIGHT FEMALE BSP CONVEX SEAT



PART NO.	TO SUIT	BSP THREAD
350-04	-4	1/4
350-06	-6	3/8
350-08	-8	1/2
350-10	-10	5/8
350-12	-12	3/4

### 351

#### STRAIGHT MALE BSP CONCAVE SEAT



PART NO.	TO SUIT	BSP THREAD
351-04	-4	1/4
351-06	-6	3/8
351-08	-8	1/2
351-10	-10	5/8
351-12	-12	3/4

### 7000

#### 45° FEMALE BSP CONVEX SEAT




PART NO.	TO SUIT	BSP THREAD
7000-04	-4	1/4
7000-06	-6	3/8
7000-08	-8	1/2
7000-10	-10	5/8
7000-12	-12	3/4

### 7001

#### 90° FEMALE BSP CONVEX SEAT



PART NO.	TO SUIT	BSP THREAD
7001-04	-4	1/4
7001-06	-6	3/8
7001-08	-8	1/2
7001-10	-10	5/8
7001-12	-12	3/4



over 35 years of  
track side experience



*Hardline*

*Section:06*

## Hardline Stainless Steel 836 Tube & Fittings

**Application :**  
Perfect for brake and clutch systems, and other high pressure applications.

**Material / Construction :**  
Seamless stainless steel tube.

**Please Note :**  
Available in multiples of 3 metres only

**Hardline – Flexible Special Assemblies**  
Custom made to order

When the strength and rigidity of a hardline is required in a high pressure application, look to our HL836 Series. The perfect compliment to our existing ranges of flexible hose and fittings. Use with our range of female and male pipe nuts. Constructed of cold drawn seamless stainless steel, our HL836 Series Hardline

gives consistent flares and non collapsing bends. Aircraft spec flaring tool available to allow you to flare your own tube.



PART NO	BORE SIZE		WALL THICKNESS		OUTER DIAMETER		WORKING PRESSURE		BURST PRESSURE		WEIGHT		MIN BEND RADIUS	
	MM	IN	MM	IN	MM	IN	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
HL836-03C	3.36	0.138	0.72	0.028	4.8	3/16	350	5000	1050	15000	0.071	0.05	15.00	0.591

## Hardline -03c Stainless Steel Fittings

**Fitting Type :**  
Hardline Tube Nut

**Application :**  
Brake, Clutch

**To Suit :**  
Hardline Stainless Steel Tube  
Material : C, P

### AN818 FEMALE TUBE NUT (TO BE USED WITH 819)



PART NO.	MATERIAL	THREAD
AN818-03	C	3/8 x 24
818-31	C	10 x 1.00

### AN819 TUBE SLEEVE (TO BE USED WITH 818)



PART NO.	MATERIAL
AN819-03	C

### N8000 MALE TUBE NUT



PART NO.	MATERIAL	THREAD
N8401	P	M10 X 1 SHORT
N8402	C, P	M10 X 1 LONG
N8412	P	M12 X 1
N8426	C, P	3/8 X 24
N8462	P	7/16 X 20

### N1400 FEMALE TUBE NUT



PART NO.	MATERIAL	THREAD
N1401	P	M10 X 1 FEMALE
N1406	P	3/8 X 24 FEMALE
N1460	P	7/16 X 20 FEMALE



**Material Key**

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

## Hardline Aluminium HL836 Tube and Re-usable Aluminium Fittings

**Application :**  
Airjack, Fuel, Oil, Water

**Material / Construction :**  
Aluminium tube with a Polyamide coating

**Please Note :**  
Available in multiples of 4 metres

Goodridge has developed the ultimate in Hardline with its HL836 Series Aluminium Tube. It combines the strength and rigidity expected in a hardline, but introduces an unprecedented element of weight savings. Constructed of a precision drawn aluminium tube with a polyamide coating, this hardline tube gives exceptional characteristics. It combines formability,

form retention, low weight, high strength and corrosion resistance. The inside surface is completely free of foreign particles. HL836 Series aluminium tube has been developed especially for the transport of air, fuel and other fluids


in automotive applications. HL836 is available with a full range of male and female fittings, which require no flare. Widely used in Europe for Fuel and airjack systems. Very light and economical.





PART NO	BORE SIZE		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
<b>HL836-04D</b>	6.0	0.197	1.00	0.039	8.00	0.315	95	1415	290	4248	0.059	0.04	15.00	0.591
<b>HL836-06D</b>	8.0	0.323	1.00	0.039	10.00	0.394	95	1415	290	4248	0.095	0.06	15.00	0.591


### Aluminium Hardline Fittings 04/06D - Continued overleaf


**Fitting Type :**  
Reusable tube connectors  
To Suit Hose :  
HL836 Aluminium Tube  
**Material : D**


HL811	COUPLER	
	PART NO.	TUBE SIZE
	HL811-04D	-04
	HL811-06D	-06


HL821	STRAIGHT FEMALE SWIVEL		
	PART NO.	TUBE SIZE	JIC/UNF THREAD
	HL821-04D	-4	7/16 x 20
	HL821-0406D	-4	9/16 x 18
	HL821-06D	-6	9/16 x 18


HL831	STRAIGHT MALE		
	PART NO.	TUBE SIZE	JIC/UNF THREAD
	HL831-04D	-4	7/16 x 20
	HL831-0406D	-4	9/16 x 18
	HL831-06D	-6	9/16 x 18


HL841	STRAIGHT MALE BULKHEAD		
	PART NO.	TUBE SIZE	JIC/UNF THREAD
	HL841-04D	-4	7/16 x 20
	HL841-0406D	-4	9/16 x 18
	HL841-06D	-6	9/16 x 18

HL822	45° FEMALE SWIVEL		
	PART NO.	TUBE SIZE	JIC/UNF THREAD
	HL822-04D	-4	7/16 x 20
	HL822-0406D	-4	9/16 x 18
	HL822-06D	-6	9/16 x 18

HL823	90° FEMALE SWIVEL		
	PART NO.	TUBE SIZE	JIC/UNF THREAD
	HL823-04D	-4	7/16 x 20
	HL823-0406D	-4	9/16 x 18
	HL823-06D	-6	9/16 x 18

HL843	90° MALE BULKHEAD		
	PART NO.	TUBE SIZE	JIC/UNF THREAD
	HL843-04D	-4	7/16 x 20
	HL843-0406D	-4	9/16 x 18
	HL843-06D	-6	9/16 x 18

HL837	45° MALE BULKHEAD		
	PART NO.	TUBE SIZE	JIC/UNF THREAD
	HL837-04D	-4	7/16 x 20
	HL837-0406D	-4	9/16 x 18
	HL837-06D	-6	9/16 x 18

HL814	TEE PIECE	
	PART NO.	TUBE SIZE
	HL814-04D	-4
	HL814-06D	-6

Material Key

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

Aluminium Hardline Fittings 04/06D - Continued

Fitting Type :

Reusable tube connectors

To Suit Hose :

HL836 Aluminium Tube

Material : D

HL824 TEE PIECE WITH FEMALE SWIVEL ON THE RUN



PART NO.	TUBE SIZE	JIC/UNF THREAD
HL824-04D	-4	7/16 x 20
HL824-0406D	-4	9/16 x 18
HL824-06D	-6	9/16 x 18

HL844 TEE PIECE WITH MALE BULKHEAD ON LEG



PART NO.	TUBE SIZE	JIC/UNF THREAD
HL844-04D	-4	7/16 x 20
HL844-0406D	-4	9/16 x 18
HL844-06D	-6	9/16 x 18

HL854 TEE PIECE WITH FEMALE SWIVEL ON LEG



PART NO.	TUBE SIZE	JIC/UNF THREAD
HL854-04D	-4	7/16 x 20
HL854-0406D	-4	9/16 x 18
HL854-06D	-6	9/16 x 18

HL591 STRAIGHT BANJO



PART NO.	OUTER DIAMETER	HOLE SIZE	BOLT SIZE
	DASH SIZE	MM	UNF
HL591-04D	-4	11.11	7/16 x 20
HL591-0406D	-4	14.29	9/16 x 18
HL591-06D	-6	14.29	9/16 x 18

HL598 STRAIGHT BANJO



PART NO.	OUTER DIAMETER	HOLE SIZE	BOLT SIZE
	DASH SIZE	MM	UNF
HL598-04D	-4	11.11	7/16 x 20
HL598-0406D	-4	14.29	9/16 x 18
HL598-06D	-6	14.29	9/16 x 18

1209 REPLACEMENT OLIVE



PART NO.	TO SUIT
1209-04	-04
1209-06	-06

1210 REPLACEMENT SOCKET



PART NO.	TO SUIT
1210-04	-04
1210-06	-06



*Adaptors*

*Section:07*

**Material Key**

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

## AN's And Adaptors


Our international position allows us to offer the worlds widest and most diverse range of AN's and adaptors at economic prices. Whether it is a true AN or a metric adaptor, Goodridge provides the natural link from one thread to another. All Goodridge adaptors are manufactured to


the highest possible specifications, metric adaptors meet the ISO specification, other adaptors are manufactured to the correct AN specification where such a specification exists. No company carries more thread applications. Our international customers require it.


## JIC To JIC Equal Thread - *Continued overleaf*


Fitting Type :  
Adaptor  
Material : C, CH, D, P


AN804	BULKHEAD TEE ON RUN		
PART NO.	MATERIAL	JIC/UNF THREAD	
AN804-03	P, C, D	3/8 X 24	
AN804-04	P, C, D	7/16 X 20	
AN804-06	D, C, P	9/16 X 18	
AN804-08	D, P	3/4 X 16	
AN804-10	D, P	7/8 X 14	
AN804-12	D, P	1 1/16 X 12	
AN804-16	D, P	1 5/16 X 12	


AN806	PLUG		
PART NO.	MATERIAL	JIC/UNF THREAD	
AN806-02	D	5/16 X 24	
AN806-03	D, C, P	3/8 X 24	
AN806-04	D, P	7/16 X 20	
AN806-05	D, P	1/2 X 20	
AN806-06	D, C, P	9/16 X 18	
AN806-07	D	5/8 X 18	
AN806-08	D, P	3/4 X 16	
AN806-10	D, P	7/8 X 14	
AN806-12	D	1 1/16 X 12	
AN806-16	D, P	1 5/16 X 12	
AN806-20	D	1 5/8 X 12	


AN814	PLUG PORT		
PART NO.	MATERIAL	JIC/UNF THREAD	
AN814-02	D	5/16 X 24	
AN814-03	D	3/8 X 24	
AN814-04	D	7/16 X 20	
AN814-05	D	1/2 X 20	
AN814-06	D	9/16 X 18	
AN814-07	D	5/8 X 18	
AN814-08	D	3/4 X 16	
AN814-10	D	7/8 X 14	
AN814-12	D	1 1/16 X 12	
AN814-16	D	1 5/16 X 12	

AN814SD	PLUG PORT WITH SOCKET HEX (O RING)		
PART NO.	MATERIAL	JIC/UNF THREAD	
AN814-03S	D	3/8 X 24	
AN814-04S	D	7/16 X 20	
AN814-06S	D	9/16 X 18	
AN814-08S	D	3/4 X 16	
AN814-10S	D	7/8 X 14	
AN814-12S	D	1 1/16 X 12	

AN819	TUBE SLEEVE		
PART NO.	MATERIAL	APPLICATION	
AN819-02	D	FOR USE WITH 818	
AN819-03	P, C, D	FOR USE WITH 818	
AN819-04	P, C, D	FOR USE WITH 818	
AN819-06	C, D	FOR USE WITH 818	
AN819-08	C, D	FOR USE WITH 818	
AN819-10	C, D	FOR USE WITH 818	
AN819-12	D	FOR USE WITH 818	
AN819-16	D	FOR USE WITH 818	

AN818	TUBE NUT		
PART NO.	MATERIAL	JIC/UNF THREAD	
AN818-02	D	5/16 X 24	
AN818-03	P, C, D	3/8 X 24	
AN818-04	P, C, D	7/16 X 20	
AN818-06	P, C, D	9/16 X 18	
AN818-08	P, C, D	3/4 X 16	
AN818-10	P, C, D	7/8 X 14	
AN818-12	P, C, D	1 1/16 X 12	
AN818-16	P, C, D	1 5/16 X 12	


AN815	EQUAL MALE		
PART NO.	MATERIAL	JIC/UNF THREAD	
AN815-02	D, C	5/16 X 24	
AN815-03	P, D, C, CH	3/8 X 24	
AN815-03V	P, C, CH	3/8 X 24	
AN815-04	P, C	7/16 X 20	
AN815-05	D	1/2 X 20	
AN815-06	P, D	9/16 X 18	
AN815-07	P, D	5/8 X 18	
AN815-08	P, D, C	3/4 X 16	
AN815-10	P, D	7/8 X 14	
AN815-12	P, D	1 1/16 X 12	
AN815-16	P, D	1 5/16 X 12	


AN821	90° ELBOW MALE		
PART NO.	MATERIAL	JIC/UNF THREAD	
AN821-03	D, C	3/8 X 24	
AN821-04	D, C, P	7/16 X 20	
AN821-05	D	1/2 X 20	
AN821-06	D	9/16 X 18	
AN821-08	D	3/4 X 16	
AN821-10	D	7/8 X 14	
AN821-12	D	1 1/16 X 12	
AN821-16	D	1 5/16 X 12	


**Material Key**


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


**JIC To JIC Equal Thread - Continued**


AN824		MALE TEE	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN824-03	P, C, D, CH	3/8 X 24	
AN824-04	P, C, D	7/16 X 20	
AN824-06	D, C	9/16 X 18	
AN824-08	D	3/4 X 16	
AN824-10	D	7/8 X 14	
AN824-12	D	1 1/16 X 12	
AN824-16	D	1 5/16 X 12	


AN827		MALE TEE	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN827-04	D	7/16 X 20	
AN827-06	D	9/16 X 18	
AN827-08	D	3/4 X 16	


AN832		MALE BULKHEAD	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN832-03	P, C, D	3/8 X 24	
AN832-04	P, C, D	7/16 X 20	
AN832-06	D, P	9/16 X 18	
AN832-08	D	3/4 X 16	
AN832-10	D, P	7/8 X 14	
AN832-12	D, P	1 1/16 X 12	
AN832-16	D, P	1 5/16 X 12	


AN833		90° MALE BULKHEAD	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN833-03	P, C, D	3/8 X 24	
AN833-04	P, C, D	7/16 X 20	
AN833-06	D, C, P	9/16 X 18	
AN833-08	D	3/4 X 16	
AN833-10	D, P	7/8 X 14	
AN833-12	D, P	1 1/16 X 12	
AN833-16	D	1 5/16 X 12	


AN834		MALE BULKHEAD TEE	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN834-02	D	5/16 X 24	
AN834-03	P, C, D	3/8 X 24	
AN834-04	D	7/16 X 20	
AN834-06	D	9/16 X 18	
AN834-08	D, P	3/4 X 16	
AN834-10	D, P	7/8 X 14	
AN834-12	D, P	1 1/16 X 12	
AN834-16	D	1 5/16 X 12	


AN837		45° MALE BULKHEAD	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN837-03	P, C, D	3/8 X 24	
AN837-04	P, D	7/16 X 20	
AN837-05	D	1/2 X 20	
AN837-06	D, C, P	9/16 X 18	
AN837-08	D, P	3/4 X 16	
AN837-10	D, P	7/8 X 14	
AN837-12	D, P	1 1/16 X 12	
AN837-16	D	1 5/16 X 12	

AN924		NUT	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN924-02	P, C, D	5/16 X 24	
AN924-03	P, C, D	3/8 X 24	
AN924-04	P, C, D	7/16 X 20	
AN924-05	D	1/2 X 20	
AN924-06	P, C, D	9/16 X 18	
AN924-08	P, C, D	3/4 X 16	
AN924-10	P, C, D	7/8 X 14	
AN924-12	P, C, D	1 1/16 X 12	
AN924-16	P, C, D	1 5/16 X 12	
AN924-20	D	1 5/8 X 12	

AN929		CAP	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN929-02	D	5/16 X 24	
AN929-03	D, P	3/8 X 24	
AN929-04	D, C, P	7/16 X 20	
AN929-05	D	1/2 X 20	
AN929-06	D, P	9/16 X 18	
AN929-08	D, P	3/4 X 16	
AN929-10	D, P	7/8 X 14	
AN929-12	D, P	1 1/16 X 12	
AN929-16	D	1 5/16 X 12	
AN929-20	D	1 5/8 X 12	

AN938		FEMALE TEE	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN938-04	P, D	7/16 X 20	
AN938-05	D	1/2 X 20	
AN938-06	P, D	9/16 X 18	
AN938-08	D	3/4 X 16	
AN938-10	D, P	7/8 X 14	
AN938-12	D, P	1 1/16 X 12	
AN938-16	D	1 5/16 X 12	

AN971		MALE WELD FLANGE ADAPTOR	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN971-03	D	3/8 X 24	
AN971-04	P, D	7/16 X 20	
AN971-06	P, D	9/16 X 18	
AN971-07	P, D	5/8 X 18	
AN971-08	P, D	3/4 X 16	
AN971-10	P, D, C	7/8 X 14	
AN971-12	P, D	1 1/16 X 12	
AN971-16	P, D, C	1 5/16 X 12	
AN971-20	D	1 5/8 X 12	

AN871		FEMALE WELD ADAPTOR	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN871-04	D	7/16 X 20 UNF	
AN871-06	D	9/16 X 18 UNF	
AN871-08	D	3/4 X 16 UNF	
AN871-10	D	7/16 X 14 UNF	
AN871-12	D	1 1/16 X 12 UNF	
AN871-16	D	1 5/16 X 12	
AN871-20	D	1 5/8 X 12	

Material Key

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

## JIC To JIC Unequal Thread

Fitting Type :  
Adaptor  
Material : C, CH, D, P

### AN824

### TEE WITH UNEQUAL LEG



PART NO.	MATERIAL	JIC/UNF THREAD		
		A	B	C
AN824-06-06-08	P, C, D	9/16	9/16	3/4
AN824-08-08-10	P, C, D	3/4	3/4	7/8
AN824-10-10-12	D, C, P	7/8	7/8	1 1/16

### 919 MALE TO MALE



PART NO.	MATERIAL	A-JIC/UNF THREAD	B-JIC/UNF THREAD	PART NO.	MATERIAL	A-JIC/UNF THREAD	B-JIC/UNF THREAD
919-04-03	P, C	7/16 X 20	3/8 X 24	919-10-08	P	7/8 X 14	3/4 X 16
919-04-44	P	7/16 X 20	7/16 X 24	919-12-08	P	1 1/16 X 12	3/4 X 16
919-06-03	P	9/16 X 18	3/8 X 24	919-12-10	P	1 1/16 X 12	7/8 X 14
919-06-04	P	9/16 X 18	7/16 X 20	919-16-10	P	1 5/16 X 12	7/8 X 14
919-08-06	P	3/4 X 16	9/16 X 18	919-16-12	P	1 5/16 X 12	1 1/16 X 12
919-10-06	P	7/8 X 14	9/16 X 18				

### 919 MALE TO MALE



PART NO.	MAT	A-JIC/UNF THREAD	B-JIC/UNF THREAD	PART NO.	MAT	A-JIC/UNF THREAD	B-JIC/UNF THREAD
AN919-0	D, C	-02 5/16 X24	-03 3/8 X 24	AN919-14	D	-10 7/8 X 14	-06 9/16 X 18
AN919-01	D	-02 5/16 X 24	-04 7/16 X 20	AN919-15	D	-10 7/8 X 14	-08 3/4 X 16
AN919-02	D	-03 3/8 X 20	-04 7/16 X 20	AN919-18	D	-12 1 1/16 X 12	-06 9/16 X 18
AN919-03	D	-04 7/16 X 20	-05 1/2 X 20	AN919-19	D	-12 1 1/16 X 12	-08 3/4 X 16
AN919-06-02	D	-06 9/16 X 18	-02 5/16 X 24	AN919-20	D	-12 1 1/16 X 12	-10 7/8 X 14
AN919-06	D	-06 9/16 X 18	-04 7/16 X 20	AN919-22	D	-16 1 5/16 X 12	-10 7/8 X 14
AN919-07	D	-06 9/16 X 18	-05 1/2 X 20	AN919-23	D	-16 1 5/16 X 12	-12 1 1/16 X 12
AN919-10	D	-08 3/4 X 16	-04 7/16 X 20	AN919-25	D	-20 1 5/8 X 12	-12 1 1/16 X 12
AN919-12	D	-06 9/16 X 18	-08 3/4 X 16	AN919-26	D	-20 1 5/8 X 12	-16 1 5/16 X 12
AN919-13	D	-10 7/8 X 14	-04 7/16 X 20				

## JIC To JIC Male To Female Fem seat = 118° / Drill seat Male 74° / Fem seals on washer/oring Jic

### AN894 MALE REDUCER



PART NO.	MATERIAL	A-JIC/UNF THREAD	B-JIC/UNF THREAD	PART NO.	MATERIAL	A-JIC/UNF THREAD	B-JIC/UNF THREAD
AN894-04-03	D	7/16 X 20	3/8 X 24	AN894-12-08	D	1 1/16 X 12	3/4 X 16
AN894-06-04	D	9/16 X 18	7/16 X 20	AN894-12-10	D	1 1/16 X 12	7/8 X 14
AN894-06-08	D	9/16 X 18	3/4 X 16	AN894-16-08	D	1 5/16 X 12	3/4 X 16
AN894-08-06	D	3/4 X 16	9/16 X 18	AN894-16-10	D	1 5/16 X 12	7/8 X 14
AN894-10-06	D	7/8 X 14	9/16 X 18	AN894-16-12	D	1 5/16 X 12	1 1/16 X 12
AN894-10-08	D	7/8 X 14	3/4 X 16	AN894-20-16	D	1 5/8 X 12	1 5/16 X 12

### AN950 MALE TO FEMALE ADAPTOR

PART NO.	MAT	A-JIC/UNF THREAD	B-JIC/UNF THREAD	PART NO.	MAT	A-JIC/UNF THREAD	B-JIC/UNF THREAD
AN950-04-03	D	7/16 X 20	3/8 X 24	AN950-10-08	D	7/8 X 14	3/4 X 16
AN950-06-03	D	9/16 X 18	3/8 X 24	AN950-12-08	D	1 1/16 X 12	3/4 X 16
AN950-06-04	D	9/16 X 18	7/16 X 20	AN950-12-10	D	1 1/16 X 12	7/8 X 14
AN950-08-04	D	3/4 X 16	7/16 X 20	AN950-16-12	D	1 5/16 X 12	1 1/16 X 12
AN950-08-06	D	3/4 X 16	9/16 X 18	AN950-20-16	D	1 5/8 X 12	1 5/16 X 12
AN950-10-06	D	7/8 X 14	9/16 X 18				

### AN951 MALE TO FEMALE ADAPTOR


PART NO.	MATERIAL	A	B
AN951-03-04	D	-3	-4
AN951-04-06	D	-4	-6
AN951-06-08	D	-6	-8
AN951-08-10	D	-8	-10
AN951-10-12	D	-10	-12
AN951-12-16	D	-12	-16


**Material Key**


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


**Special Adaptors**  
(Modified AN parts for motorsport requirements)


Fitting Type :  
Adaptor  
Material : C, CH, D, P


CPL	ADAPTOR SWIVEL FEMALE COUPLING		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-03	C,D	3/8 X 24
	CPL-04	C,D	7/16 X 20
	CPL-06	C,D	9/16 X 18
	CPL-08	C,D	3/4 X 16
	CPL-10	D	7/8 X 14
	CPL-12	D	1 1/16 X 12
	CPL-16	D	1 5/16 X 12


CPL-823	ADAPTOR 45° MALE TO SWIVEL FEMALE		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-823-04	D	7/16 X 20
	CPL-823-06	D	9/16 X 18
	CPL-823-08	D	3/4 X 16
	CPL-823-10	D	7/8 X 14
	CPL-823-12	D	1 1/16 X 12


CPL-824	ADAPTOR TEE MALE THREAD ON RUN SWIVEL FEMALE ON LEG		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-824-03	D	3/8 X 24
	CPL-824-04	D	7/16 X 20
	CPL-824-06	D	9/16 X 18
	CPL-824-08	D	3/4 X 16
	CPL-824-10	D	7/8 X 14
	CPL-824-12	D	1 1/16 X 12


CPL-826	ADAPTOR TEE SWIVEL FEMALE ON RUN		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-826-03	D	3/8 X 24
	CPL-826-04	D	7/16 X 20
	CPL-826-06	D	9/16 X 18
	CPL-826-08	D	3/4 X 16
	CPL-826-10	D	7/8 X 14
	CPL-826-12	D	1 1/16 X 12
	CPL-826-06 M16	D	9/16 X 18 NUT, 16 X 1.5MM MALE


CPL-903/912	ADAPTOR 90° MALE TO FEMALE SWIVEL		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-903	D	3/8 X 24
	CPL-904	D	7/16 X 20
	CPL-906	D	9/16 X 18
	CPL-908	D	3/4 X 16
	CPL-910	D	7/8 X 14
	CPL-912	D	1 1/16 X 12

CPL-816	ADAPTOR JIC/UNF FEMALE SWIVEL TO MALE NPT			
PART NO.	MATERIAL	A JIC	B NPT	
	CPL-8164	D	7/16 X 20	1/8 NPT
	CPL-81662	D	9/16 X 18	1/8 NPT
	CPL-81666	D	9/16 X 18	1/4 NPT
	CPL-81666	D	9/16 X 18	3/8 NPT
	CPL-81610	D	7/8 X 14	1/2 NPT

CPL-900	ADAPTOR 90° FEMALE TO FEMALE SWIVEL		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-9004	D	7/16 X 20
	CPL-9006	D	9/16 X 18
	CPL-9008	D	3/4 X 16
	CPL-9010	D	7/8 X 14
	CPL-9012	D	1 1/16 X 12

CPL-450	ADAPTOR 45° FEMALE TO FEMALE SWIVEL		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-4504	D	7/16 X 20
	CPL-4506	D	9/16 X 18
	CPL-4508	D	3/4 X 16
	CPL-4510	D	7/8 X 14
	CPL-4512	D	1 1/16 X 12

CPL-910	ADAPTOR 90° FEMALE TO FEMALE SWIVEL		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-9104	D	7/16 X 20
	CPL-9106	D	9/16 X 18
	CPL-9108	D	3/4 X 16
	CPL-9110	D	7/8 X 14
	CPL-9112	D	1 1/16 X 12
	CPL-9116	D	1 5/16 X 12


CPL-460	ADAPTOR 45° FEMALE TO FEMALE SWIVEL		
PART NO.	MATERIAL	JIC/UNF THREAD	
	CPL-4604	D	7/16 X 20
	CPL-4606	D	9/16 X 18
	CPL-4608	D	3/4 X 16
	CPL-4610	D	7/8 X 14
	CPL-4612	D	1 1/16 X 12
	CPL-4616	D	1 5/16 X 12

**Material Key**

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


## JIC To NPT Male To Male Adaptors

**AN826** JIC TEE NPT ON RUN




PART NO.	MATERIAL	THREAD	
		A JIC	B NPT
AN826-03	D	3/8 X 24	1/8 X 27
AN826-04	D	7/16 X 20	1/8 X 27
AN826-06	D	9/16 X 18	1/4 X 18
AN826-08	D	3/4 X 16	3/8 X 18
AN826-10	D	7/8 X 14	1/2 X 14
AN826-12	D	1 1/16 X 12	3/4 X 14

**AN825** JIC TEE NPT ON LEG



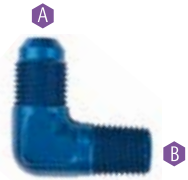
PART NO.	MATERIAL	THREAD	
		A JIC	B NPT
AN825-03	D	3/8 X 24	1/8 X 27
AN825-04	D	7/16 X 20	1/8 X 27
AN825-06	D	9/16 X 18	1/4 X 18
AN825-08	D	3/4 X 16	3/8 X 18
AN825-10	D	7/8 X 14	1/2 X 14
AN825-12	D	1 1/16 X 12	3/4 X 14

**AN816** ADAPTOR STRAIGHT MALE JIC TO STRAIGHT MALE NPT




PART NO.	MATERIAL	A JIC	B NPT	PART NO.	MATERIAL	A JIC	B NPT
AN816-03	P, C, D	3/8 X 24	1/8 X 27	AN816-08-08	D	3/4 X 16	1/2 X 14
AN816-03-04	P, C, D	3/8 X 24	1/4 X 18	AN816-08-12	D	3/4 X 16	3/4 X 14
AN816-04D	P, C, D	7/16 X 20	1/8 X 27	AN816-10-06	D	7/8 X 14	3/8 X 18
AN816-04-04	P, D	7/16 X 20	1/4 X 18	AN816-10	D	7/8 X 14	1/2 X 14
AN816-04-06	P, D	7/16 X 20	3/8 X 18	AN816-10-12	D	7/8 X 14	3/4 X 14
AN816-06-02	P, D	9/16 X 18	1/8 X 27	AN816-12-08	D	1 1/16 X 12	1/2 X 14
AN816-06	P, D	9/16 X 18	1/4 X 18	AN816-12	D	1 1/16 X 12	3/4 X 14
AN816-06-06	P, D	9/16 X 18	3/8 X 18	AN816-12-16	D	1 1/16 X 12	1 X 11 1/2
AN816-06-08	P, D	9/16 X 18	1/2 X 14	AN816-16	D	1 5/16 X 12	1 X 11 1/2
AN816-07	P, D	3/4 X 16	1/4 X 18	AN816-16-12	D	1 5/16 X 12	3/4 X 14
AN816-08	D	3/4 X 16	3/8 X 18	AN816-20	D	1 5/8 X 12	

**AN822** 90° MALE ELBOW JIC TO MALE NPT



PART NO.	MATERIAL	A JIC	B NPT	PART NO.	MATERIAL	A JIC	B NPT
AN822-03	P, C, D	3/8 X 24	1/8 X 27	AN822-08-08	P, D	3/4 X 16	1/2 X 14
AN822-04	P, C, D	7/16 X 20	1/8 X 27	AN822-08-12	D	3/4 X 16	3/4 X 14
AN822-04-04	P, D	7/16 X 20	1/4 X 18	AN822-10	P, D	7/8 X 14	1/2 X 14
AN822-06-02	D	9/16 X 18	1/8 X 27	AN822-10-12	D	7/8 X 14	3/4 X 14
AN822-06	P, D	9/16 X 18	1/4 X 18	AN822-12	D	1 1/16 X 12	1/4 X 14
AN822-06-06	P, D	9/16 X 18	3/8 X 18	AN822-12-08	D	1 1/16 X 12	1/2 X 14
AN822-06-08	P, D	9/16 X 18	1/2 X 14	AN822-12-16	D	1 1/16 X 12	1 X 11 1/2
AN822-07	P, D	3/4 X 16	1/4 X 18	AN822-16	D	1 5/16 X 12	1 X 11 1/2
AN822-08	P, D	3/4 X 16	3/8 X 18	AN822-16-12	D	1 5/16 X 12	3/4 X 14

**AN823** 45° MALE ELBOW JIC TO NPT MALE




PART NO.	MATERIAL	A JIC	B NPT	PART NO.	MATERIAL	A JIC	B NPT
AN823-03	D	3/8 X 24	1/8 X 27	AN823-08-08	D	3/4 X 16	1/2 X 14
AN823-04	D	7/16 X 20	1/8 X 27	AN823-10	D	7/8 X 14	1/2 X 14
AN823-04-04	D	7/16 X 20	1/4 X 18	AN823-10-06	D	7/8 X 14	3/8 X 18
AN823-06-02	D	9/16 X 18	1/8 X 27	AN823-10-12	D	7/8 X 14	3/4 X 14
AN823-06	D	9/16 X 18	1/4 X 18	AN823-12	D	1 1/16 X 12	3/4 X 14
AN823-06-06	D	9/16 X 18	3/8 X 18	AN823-12-08	D	1 1/16 X 12	1/2 X 14
AN823-06-08	D	9/16 X 18	1/2 X 14	AN823-16	D	1 5/16 X 12	1 X 11 1/2
AN823-07	D	5/8 X 18	1/4 X 18	AN823-16-12	D	1 5/16 X 12	3/4 X 14
AN823-08D	D	3/4 X 16	3/8 X 18				

## NPT Adaptors - continued overleaf

Fitting Type :  
Adaptor  
Material : D

**AN910** FEMALE PIPE COUPLER



PART NO.	MATERIAL	NPT THREAD
AN910-01	D	1/8 X 27
AN910-02	D	1/4 X 18
AN910-03	D	3/8 X 18
AN910-04	D	1/2 X 14
AN910-06	D	3/4 X 14
AN910-08	D	1 X 11 1/2



Material Key

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

NPT Adaptors - continued

AN911 MALE TO MALE ADAPTOR			
PART NO.	MATERIAL	NPT THREAD	
AN911-01	D	1/8 X 27	
AN911-02	D	1/4 X 18	
AN911-03	D	3/8 X 18	
AN911-04	D	1/2 X 14	
AN911-06	D	3/4 X 14	
AN911-08	D	1 X 11.5	

AN912 ADAPTOR MALE - FEMALE NPT UNEQUAL			
PART NO.	MAT	NPT MALE	NPT FEMALE
AN912-01	D	1/4 X 18	1/8 X 27
AN912-02	D	3/8 X 18	1/4 X 18
AN912-03	D	3/8 X 18	1/8 X 27
AN912-04	D	1/2 X 14	3/8 X 18
AN912-05	D	1/2 X 14	1/4 X 18
AN912-06	D	1/2 X 14	1/8 X 27
AN912-07	D	3/4 X 14	1/2 X 14
AN912-08	D	3/4 X 14	3/8 X 18
AN912-09	D	3/4 X 14	1/4 X 18
AN912-10	D	1 X 11 1/2	3/4 X 14
AN912-11	D	1 X 11 1/2	1/2 X 14
AN912-12	D	1 X 11 1/2	1/2 X 14

AN913 PLUG HEX HEAD NPT			
PART NO.	MATERIAL	NPT THREAD	
AN913-01	D	1/16 X 26	
AN913-02	D	1/8 X 27	
AN913-03	D	1/4 X 18	
AN913-04	D	3/8 X 18	
AN913-05	D	1/2 X 14	
AN913-06	D	3/4 X 14	
AN913-08	D	1 X 11 1/2	

AN914 NPT FEMALE TO MALE 90° EQUAL			
PART NO.	MATERIAL	NPT THREAD	
AN914-01	D	1/8 X 27	
AN914-02	D	1/4 X 18	
AN914-03	D	3/8 X 18	

AN915 NPT FEMALE TO MALE 45° EQUAL			
PART NO.	MATERIAL	NPT THREAD	
AN915-01	D	1/8 X 27	
AN915-02	D	1/4 X 18	
AN915-03	D	3/8 X 18	

AN916 NPT FEMALE TO FEMALE 90° EQUAL			
PART NO.	MATERIAL	NPT THREAD	
AN916-01	D	1/8 X 27	
AN916-02	D	1/4 X 18	
AN916-03	D	3/8 X 18	

AN917 NPT TEE			
PART NO.	MATERIAL	NPT THREAD	
AN917-01	D	1/8 X 27	
AN917-02	D	1/4 X 18	
AN917-03	D	3/8 X 18	
AN917-04	D	1/2 X 14	
AN917-06	D	3/4 X 14	
AN917-08	D	1 X 11 1/2	

AN932 PLUG SOCKET HEAD			
PART NO.	MATERIAL	NPT THREAD	
AN932-01	D	1/16 X 27	
AN932-02	D	1/8 X 27	
AN932-03	D	1/4 X 18	
AN932-04	D	3/8 X 18	
AN932-05	D	1/2 X 14	
AN932-06	D	3/4 X 14	
AN932-08	D	1 X 11 1/2	

JIC Male To Metric Male

Fitting Type : Adaptor  
Material : P C CH D  
Anodised Aluminium Colour :  
BK ● BU ● GD ● RD ●  
Example Part No.  
305-03-31DGD =  
Anodised Aluminium Gold

305 ADAPTOR JIC TO METRIC CONVEX							
PART NO.	MATERIAL	A JIC	B METRIC	PART NO.	MATERIAL	A JIC	B METRIC
*305-03-31	C, CH, D, P	3/8 X 24	10 X 1.00MM	305-06-M121	D	9/16 X 18	12 X 1.00MM
305-03-32	P, C, D	3/8 X 24	10 X 1.25MM	305-06-M122	D	9/16 X 18	12 X 1.25MM
305-03-21	C	3/8 X 24	8 X 1.00MM	305-06-M12	P, D	9/16 X 18	12 X 1.50MM
305-03-M12	C	3/8 X 24	12 X 1.50MM	305-06-M14	D	9/16 X 18	14 X 1.50MM
305-03-M121	P, C	3/8 X 24	12 X 1.00MM	305-06-M16	D	9/16 X 18	16 X 1.50MM
305-03-M122	P, C	3/8 X 24	12 X 1.25MM	305-08-31	D	3/4 X 16	10 X 1.00MM
305-04-M12	D	7/16 X 20	12 X 1.50MM	305-08-35	D	3/4 X 16	10 X 1.50MM
305-04-M121	P	7/16 X 20	12 X 1.00MM	305-08-M122	D	3/4 X 16	12 X 1.25MM
305-04-M122	P	7/16 X 20	12 X 1.25MM	305-08-M12	D	3/4 X 16	12 X 1.50MM
305-04-M14	P	7/16 X 20	14 X 1.50MM	305-08-M14	D	3/4 X 16	14 X 1.50MM
305-04-31	P, D	7/16 X 20	10 X 1.00MM	305-08-M16	D	3/4 X 16	16 X 1.50MM
305-04-32	C	7/16 X 20	10 X 1.25MM	305-10-M18	D	7/8 X 14	18 X 1.50MM
305-04-35	P	7/16 X 20	10 X 1.50MM	305-12-M20	D	1 1/16 X 14	20 X 1.50MM
305-06-31	D	9/16 X 18	10 X 1.00MM	305-16-M24	D	1 5/16 X 14	24 X 1.50MM

## JIC Male To Metric Male - *continued*

Fitting Type : Adaptor

Material : C, CH, D, P  
 Anodised Aluminium Colour :  
 BU ●

307

ADAPTOR JIC TO METRIC CONVEX BULKHEAD



PART NO.	MATERIAL	JIC/UNF THREAD	
		A JIC	B METRIC
307-03-31	P, C	3/8 X 24	10 X 1.00MM
307-03-32	P, C	3/8 X 24	10 X 1.25MM

USE LOCKNUT 318

306

ADAPTOR JIC TO METRIC CONCAVE

PART NO.	MAT	A JIC	B METRIC	PART NO.	MAT	A JIC	B METRIC	PART NO.	MAT	A JIC	B METRIC
306-02-32	C, T	5/16 X 24	10 X 1.25MM	306-04-M22	D	7/16 X 20	22 X 1.50MM	306-08-M22	D	3/4 X 16	22 X 1.50MM
306-03-M12	C, CH, D	3/8 X 24	12 X 1.50MM	306-04-31	D	7/16 X 20	10 X 1.00MM	306-08-M24	P, D	3/4 X 16	24 X 1.50MM
306-03-M121	D	3/8 X 24	12 X 1.00MM	306-04-32	D	7/16 X 20	10 X 1.25MM	306-10-M14	D	7/8 X 14	14 X 1.50MM
306-03-M16	D	3/8 X 24	16 X 1.50MM	306-06-31	D	9/16 X 18	10 X 1.00MM	306-10-M16	P, D	7/8 X 14	16 X 1.50MM
306-03-M18	P, D	3/8 X 24	18 X 1.50MM	306-06-32	P, D	9/16 X 18	10 X 1.25MM	306-10-M18	D	7/8 X 14	18 X 1.50MM
306-03-M20	D	3/8 X 24	20 X 1.50MM	306-06-M121	D	9/16 X 18	12 X 1.00MM	306-10-M20	D	7/8 X 14	20 X 1.50MM
306-03-M22	D	3/8 X 24	22 X 1.50MM	306-06-M12	P, D	9/16 X 18	12 X 1.50MM	306-10-M22	D	7/8 X 14	22 X 1.50MM
*306-03-31	C, CH, D, P	3/8 X 24	10 X 1.00MM	306-06-M14	P, D	9/16 X 18	14 X 1.50MM	306-10-M24	D	7/8 X 14	24 X 1.50MM
*306-03-32	C, CH, D, P	3/8 X 24	10 X 1.25MM	306-06-M16	P, D	9/16 X 18	16 X 1.50MM	306-10-M26	D	7/8 X 14	26 X 1.50MM
306-03-35	P	3/8 X 24	10 X 1.50MM	306-06-M18	P, D	9/16 X 18	18 X 1.50MM	306-12-M18	D	1 1/16 X 14	18 X 1.50MM
306-04-M12	P	7/16 X 20	12 X 1.50MM	306-06-M20	D	9/16 X 18	20 X 1.50MM	306-12-M20	D	1 1/16 X 14	20 X 1.50MM
306-04-M121	D	7/16 X 20	12 X 1.00MM	306-08-M12	P, D	3/4 X 16	12 X 1.50MM	306-12-M22	D	1 1/16 X 14	22 X 1.50MM
306-04-M14	D	7/16 X 20	14 X 1.50MM	306-08-M14	P	3/4 X 16	14 X 1.50MM	306-12-M24	D	1 1/16 X 14	24 X 1.50MM
306-04-M16	P	7/16 X 20	16 X 1.50MM	306-08-M16	P, D	3/4 X 16	16 X 1.50MM	306-16-M26	D	1 5/16 X 14	26 X 1.50MM
306-04-M18	D	7/16 X 20	18 X 1.50MM	306-08-M18	P, D	3/4 X 16	18 X 1.50MM	306-16-M30	P, D	1 5/16 X 14	30 X 1.50MM

## BSP to JIC Adaptors

764

JIC FEMALE TO BSP MALE



PART NO.	MATERIAL	THREAD	
		A JIC/UNF	B BSP
764-04-03	P	7/16 X 20	1/8 X 28
764-04-04	P	7/16 X 20	1/4 X 19
764-04-06	P	9/16 X 18	1/4 X 19
764-06-04	P	9/16 X 18	3/8 X 19
764-10-06	P	7/8 X 14	3/8 X 19

743

BSP MALE TO JIC MALE BULKHEAD



PART NO.	MATERIAL	THREAD	
		A BSP	B UNF
743-03-03V	P, CH	1/8 X 28	3/8 X 24
743-03-03	P, CH	1/8 X 28	3/8 X 24
743-03-04	P, CH	1/8 X 28	7/16 X 20
743-04-03	P	1/8 X 28	3/8 X 24
743-04-04	P	1/8 X 28	7/16 X 20

V=REVERSED SEAT ON JIC END

741

BSP MALE TO JIC MALE



PART NO.	MATERIAL	A BSP	B UNF	PART NO.	MATERIAL	A BSP	B UNF
741-03-03	P, CH	1/8 X 28	3/8 X 24	741-06-05	P, D	3/8 X 19	1/2 X 20
741-03-04	P, CH	1/8 X 28	7/16 X 20	741-06-06	P, D	3/8 X 19	9/16 X 18
741-03-05	P	1/8 X 28	1/2 X 20	741-06-07	P, D	3/8 X 19	5/8 X 18
741-03-06	D	1/8 X 28	9/16 X 18	741-06-08	P, D	3/8 X 19	3/4 X 16
741-03-07	P	1/8 X 28	5/8 X 18	741-06-10	P, D	3/8 X 19	7/8 X 14
741-03-08	D	1/8 X 28	3/4 X 16	741-06-12	P, D	3/8 X 19	1 1/16 X 12
741-04-03	P	1/4 X 19	3/8 X 24	741-08-06	P, D	1/2 X 14	9/16 X 18
741-04-04	P	1/4 X 19	7/16 X 20	741-08-07	P, D	1/2 X 14	5/8 18
741-04-05	P, D	1/4 X 19	1/2 X 20	741-08-08	P, D	1/2 X 14	3/4 X 16
741-04-06	P, D	1/4 X 19	9/16 X 18	741-08-10	P, D	1/2 X 14	7/8 X 14
741-04-07	P, D	1/4 X 19	5/8 X 18	741-08-12	P, D	1/2 X 14	1 1/16 X 12
741-04-08	P, D	1/4 X 19	3/4 X 16	741-12-12	P, D	3/4 X 14	1 1/16 X 12
741-04-10	P, D	1/4 X 19	7/8 X 14				

Material Key

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

## BSP Female To JIC Male

763

BSP FEMALE TO JIC MALE



PART NO.	MATERIAL	A BSP	B JIC/UNF	PART NO.	MATERIAL	A BSP	B JIC/UNF
763-03-03	D	1/8 X 28	3/8 X 24	763-08-08	P	1/2 x 14	3/4 X 16
763-03-04	D, P	1/8 X 28	7/16 X 20	763-08-10	P	1/2 x 14	7/8 X 14
763-04-04	P	1/4 X 19	7/16 X 20	763-08-12	P	1/2 x 14	1 1/16 X 12
763-04-06	D	1/4 X 19	9/16 X 18	763-08-16	D	1/2 x 14	1 5/16 X 12
763-06-06	D, P	3/8 X 19	9/16 X 18	763-10-08	P	5/8 x 14	3/4 X 16
763-06-08	D, P	3/8 X 19	3/4 X 16	763-10-16	D	5/8 x 14	1 5/16 X 12
763-06-10	P	3/8 X 19	7/8 X 14	763-12-10	P, D	3/4 x 14	7/8 X 14
763-08-06	P	1/2 x 14	9/16 X 18	763-12-12	P, D	3/4 x 14	1 1/16 X 12

## BSP Male To Metric Male

946

METRIC BULKHEAD CONVEX SEAT



PART NO.	MATERIAL	THREAD	
		A BSP	B METRIC
946-03-31	P, CH	1/8 X 28	M10 X 1.00
946-03-32	P, CH	1/8 X 28	M10 X 1.25
946-03-35	P	1/8 X 28	M10 X 1.50
946-04-M12	P	1/4 X 19	M12 X 1.50
946-04-31	P	1/4 X 19	M10 X 1.00

945

METRIC CONVEX SEAT



PART NO.	MATERIAL	THREAD	
		A BSP	B METRIC
945-03-31	P, CH	1/8 X 28	M10 X 1.00
945-03-32	P, CH	1/8 X 28	M10 X 1.25
945-03-35	P	1/8 X 28	M10 X 1.50
945-03-M121	P	1/8 X 28	M12 X 1.00
945-04-31	P	1/4 X 19	M10 X 1.00

742

METRIC CONCAVE SEAT



PART NO.	MATERIAL	A BSP	B METRIC	PART NO.	MATERIAL	A BSP	B METRIC
742-03-21	P, CH	1/8 X 28	M8 X 1.00	742-04-M14	P	1/4 X 19	M14 X 1.50
742-03-31	P, CH	1/8 X 28	M10 X 1.00	742-06-M121	P	3/8 X 19	M12 X 1.00
742-03-32	P, CH	1/8 X 28	M10 X 1.25	742-06-M122	P	3/8 X 19	M12 X 1.25
742-03-35	P	1/8 X 28	M10 X 1.50	742-06-M12	P	3/8 X 19	M12 X 1.50
742-03-M121	P	1/8 X 28	M12 X 1.00	742-06-M16	P	3/8 X 19	M16 X 1.50
742-03-M122	P	1/8 X 28	M12 X 1.25	742-06-M18	P	3/8 X 19	M18 X 1.50
742-03-M12	P	1/8 X 28	M12 X 1.50	742-06-M22	P	3/8 X 19	M22 X 1.50
742-03-M14	P	1/8 X 28	M14 X 1.50	742-08-M14	P	1/2 X 14	M14 X 1.50
742-03-M16	P	1/8 X 28	M16 X 1.50	742-08-M16	P	1/2 X 14	M16 X 1.50
742-04-31	P	1/4 X 19	M10 X 1.00	742-08-M18	P	1/2 X 14	M18 X 1.50
742-04-M16	P	1/4 X 19	M16 X 1.50	742-08-M20	P	1/2 X 14	M20 X 1.50
742-04-M18	P	1/4 X 19	M18 X 1.50	742-10-M22	P	5/8 X 14	M22 X 1.50
742-04-M121	P	1/4 X 19	M12 X 1.00	742-10-M24	P	5/8 X 14	M24 X 1.50
742-04-M12	P	1/4 X 19	M12 X 1.50	742-12-M16	P	3/4 X 14	M16 X 1.50

## BSP Male to BSP Female

301

BSP MALE TO BSP FEMALE




PART NO.	MATERIAL	THREAD	
		A BSP	B BSP
301-03-04	P	1/8 X 28	1/4 X 19
301-03-06	P	1/8 X 28	3/8 X 19
301-03	P	1/8 X 28	1/8 X 28
301-04-03	P	1/4 X 19	1/8 X 28
301-06-04	P	3/8 X 19	1/4 X 19
301-06-06	P	3/8 X 19	3/8 X 19
301-06-08	P	3/8 X 19	1/2 x 14


## BSP Male Equal Thread


Fitting Type :


Adaptor

Material : B, C, CH, D, P

136	STRAIGHT MALE ADAPTOR		
	PART NO.	MATERIAL	BSP THREAD
	136-03	P, B	1/8 X 28
	136-04	P, C	1/4 X 19
	136-06	P	3/8 X 19
	136-08	P	1/2 X 14

313	PLUG		
	PART NO.	MATERIAL	BSP THREAD
	313-03	P	1/8 X 28
	313-04	P	1/4 X 19
	313-06	P, D	3/8 X 19
	313-08	P	1/2 X 14
	313-10	P	5/8 X 14

315	CAP		
	PART NO.	MATERIAL	BSP THREAD
	315-03	P	1/8 X 28
	315-04	P	1/4 X 19
	315-06	P	3/8 X 19
	315-08	P	1/2 X 14


536	TEE		
	PART NO.	MATERIAL	BSP THREAD
	536-03	P, B	1/8 X 28
	536-04	P	1/4 X 19
	536-06	P	3/8 X 19
	536-08	P	1/2 X 14

## BSP Male Unequal Thread

Fitting Type :

Adaptor

Material : C, CH, D, P


135	UNEQUAL MALE							
	PART NO.	MATERIAL	A BSP	B BSP	PART NO.	MATERIAL	A BSP	B BSP
	135-03-04	P	1/8 X 28	1/4 X 19	135-06-08	P	3/8 X 19	1/2 X 14
	135-03-06	P	1/8 X 28	3/8 X 19	135-06-10	P	3/8 X 19	5/8 X 14
	135-03-08	P	1/8 X 28	1/2 X 14	135-08-10	P	1/2 X 14	5/8 X 14
	135-04-06	P	1/4 X 19	3/8 X 19	135-08-12	P	1/2 X 14	3/4 X 14
	135-04-08	P	1/4 X 19	1/2 X 14	135-08-16	P	1/2 X 14	1 X 11
	135-04-10	P	1/4 X 19	5/8 X 14	135-10-12	P	5/8 X 14	3/4 X 14
	135-04-12	P	1/4 X 19	3/4 X 14	135-12-16	P	3/4 X 14	1 X 11

## BSP To NPT Male

Fitting Type :

Adaptor


Material : C, CH, D, P


544	STRAIGHT MALE BSP/NPT							
	PART NO.	MATERIAL	A BSP	B NPT	PART NO.	MATERIAL	A BSP	B NPT
	544-03-03	P, CH	1/8 X 28	1/8 X 27	544-06-04	P	1/4 X 19	3/8 X 18
	544-03-04	P	1/4 X 19	1/8 X 27	544-06-06	P	3/8 X 19	3/8 X 18
	544-03-06	P	3/8 X 19	1/8 X 27	544-06-08	P	1/2 X 14	3/8 X 18
	544-03-08	P	1/2 X 14	1/8 X 27	544-08-04	P	1/4 X 19	1/2 X 14
	544-04-03	P	1/8 X 28	1/4 X 18	544-08-06	P	3/8 X 19	1/2 X 14
	544-04-04	P	1/4 X 19	1/4 X 18	544-08-08	P	1/2 X 14	1/2 X 14
	544-04-06	P	3/8 X 19	1/4 X 18	544-10-10	P	5/8 X 14	5/8 X 14
	544-04-08	P	1/2 X 14	1/8 X 18	544-12-12	P	3/4 X 14	3/4 X 14


**Material Key**


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

## Metric Adaptors

316	CAP		
	PART NO.	MATERIAL	METRIC THREAD
	316-M12	D	M12 X 1.50
	316-M14	D	M14 X 1.50


314	PLUG		
	PART NO.	MATERIAL	METRIC THREAD
	314-M12	D	M12 X 1.50
	314-M122	P	M12 X 1.25
	314-M16	P	M16 X 1.50
	314-31	P	M10 X 1.00
	314-35	P, D	M10 X 1.50


148	METRIC UNEQUAL MALE CONCAVE SEAT							
	PART NO.	MATERIAL	A METRIC	B METRIC	PART NO.	MATERIAL	A METRIC	B METRIC
	148-31-21	P	M10 X 1.00	M8 X 1.00	148-M14-M18	P	M14 X 1.50	M18 X 1.50
	148-31-M12	P	M10 X 1.00	M12 X 1.50	148-M14-M22	P	M14 X 1.50	M22 X 1.50
	148-31-M16	P	M10 X 1.00	M16 X 1.50	148-M16-M18	P	M16 X 1.50	M18 X 1.50
	148-31-M18	P	M10 X 1.00	M18 X 1.50	148-M16-M22	P	M16 X 1.50	M22 X 1.50
	148-35-M12	P	M10 X 1.50	M12 X 1.50	148-M16-M26	P	M16 X 1.50	M26 X 1.50
	148-M12-M14	P	M12 X 1.50	M14 X 1.50	148-M18-M22	P	M18 X 1.50	M22 X 1.50
	148-M12-M16	P	M12 X 1.50	M16 X 1.50	148-M18-M26	P	M18 X 1.50	M26 X 1.50
	148-M12-M18	P	M12 X 1.50	M18 X 1.50	148-M18-M30	P	M18 X 1.50	M30 X 1.50
	148-M121-M18	P	M12 X 1.00	M18 X 1.50	148-M22-M26	P	M22 X 1.50	M26 X 1.50
	148-M14-M16	P	M14 X 1.50	M16 X 1.50	148-M22-M30	P	M22 X 1.50	M30 X 1.50

149	METRIC EQUAL MALE CONCAVE SEAT							
	PART NO.	MATERIAL	A METRIC	B METRIC	PART NO.	MATERIAL	A METRIC	B METRIC
	149-21	P	M8 X 1.00	M8 X 1.00	149-M18	P	M18 X 1.50	M18 X 1.50
	149-M12	P	M12 X 1.50	M12 X 1.50	149-M181	P	M18 X 1.00	M18 X 1.00
	149-M14	P	M14 X 1.50	M14 X 1.50	149-M20	P	M20 X 1.50	M20 X 1.50
	149-M142	D	M14 X 1.25	M14 X 1.25	149-M22	P	M22 X 1.50	M22 X 1.50
	149-M16	P	M16 X 1.50	M16 X 1.50	149-M26	P	M26 X 1.50	M26 X 1.50
	149-M161	P	M16 X 1.00	M16 X 1.00	149-M30	P	M30 X 1.50	M30 X 1.50
	149-M162	P	M16 X 1.25	M16 X 1.25				


## Carburetor & Fuel Adaptors

Fitting Type :  
Adaptor  
Material : P, D  
Colour : BU  
Application :  
All common carburetor systems  
For carburetor fittings to suit 200 hose. see page 48.

CAB	STRAIGHT MALE CONVEX SEAT			
	PART NO.	DESCRIPTION	THREAD A	THREAD B
	CAB206	DUAL FEED HOLLEY	7/8 X 20	-6 JIC
	CAB246	SINGLE FEED HOLLEY	9/16 X 24	-6 JIC
	CAB208	DUAL FEED HOLLEY	7/8 X 20	-8 JIC
	CAB1215	WEBER	M12 X 1.50	-6 JIC
	CAB5820	CARTER	5/8 X 20	-6 JIC
	CAB1212	DELLORTO	M12 X 1.25	-6 JIC

FB	FUEL PUMP AND GAUGE FITTINGS			
	PART NO.	DESCRIPTION	THREAD A	THREAD B
	FB206	FUEL PUMP FITTING	1/2 X 20	-6 JIC
	FB186	FUEL PUMP FITTING	5/8 X 18	-6 JIC
	FB192	PRESSURE GAUGE	1/8 NPT	-6 JIC
	FB195	PRESSURE GAUGE	1/8 NPT	-6 JIC

Available outside USA by request only

GA	FUEL AND OIL PRESSURE GAUGE FITTINGS		
	PART NO.	THREAD A	THREAD B
	GA-3	MALE-3AN	FEMALE 1/8 NPT
	GA-4	MALE-4AN	FEMALE 1/8 NPT
	GA-903	MALE-3AN	90° FEMALE 1/8 NPT
	GA-904	MALE-4AN	90° FEMALE 1/8 NPT

**Material Key**

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

## Metric & JIC/UNF Banjo Adaptors and Banjo Bolts

Fitting Type :

Banjo Adaptor

Material : C, D, P

779

TWIN BANJO ADAPTOR



PART NO.	MATERIAL	JIC/UNF	TO SUIT BOLT
779-02-03	C	5/16 X 24	3/8
779-02	C	5/16 X 24	5/16
779-03	D, C, P	3/8 X 24	3/8
779-04	D	7/16 X 20	7/16
779-04-06	D	7/16 X 20	9/16
779-06	D	9/16 X 18	9/16
779-06-04	D	9/16 X 18	7/16
779-08	D	3/4 X 16	3/4

776

SINGLE BANJO ADAPTOR



PART NO.	MATERIAL	JIC/UNF	TO SUIT BOLT	PART NO.	MATERIAL	JIC/UNF	TO SUIT BOLT
776-02-03	C	5/16 X 24	3/8 / 10MM	776-06-04	D	9/16 X 18	7/16
776-02	C	5/16 X 24	5/16	776-06-M12	D	9/16 X 18	12MM
776-03	P, C, D	3/8 X 24	3/8 / 10MM	776-06-M14	D	9/16 X 18	14MM
776-03-04	C, P	3/8 X 24	7/16	776-06-M16	D	9/16 X 18	16MM
776-04-03	P	7/16 X 20	3/8	776-06	D	9/16 X 18	9/16
776-04	P	7/16 X 20	7/16	776-08-M14	D	3/4 X 16	14MM
776-04-M12	P	7/16 X 20	12MM	776-08-M16	D	3/4 X 16	16MM
776-04-M14	D	7/16 X 20	14MM	776-08-M18	D	3/4 X 16	18MM
776-04-06	P	7/16 X 20	9/16	776-10	D	7/8 X 14	7/8 X 14
				776-10-M18	D	7/8 X 14	18MM
				776-10-M20	D	7/8 X 14	20MM

775

SINGLE BANJO BOLT JIC/UNF



PART NO.	MATERIAL	JIC/UNF THREAD
775-03	P	3/8 X 24
775-04	P	7/16 X 20
775-44	P	7/16 X 24
775-06	D	9/16 X 18
775-08	D	3/4 X 16

PLEASE REFER TO PAGE.35 FOR OTHER BANJO BOLTS

992

SINGLE BANJO BOLT METRIC



PART NO.	MAT	JIC/UNF THREAD	PART NO.	MAT	JIC/UNF THREAD
992-04-M121	P, D	12 X 1.00MM	992-06-M14	D	14 X 1.50MM
992-04-M122	P, D	12 X 1.25MM	992-06-M161	D	16 X 1.00MM
992-04-M12	D	12 X 1.50MM	992-06-M162	D	16 X 1.25MM
992-06-M12	D	12 X 1.50MM	992-06-M16	D	16 X 1.50MM
992-06-M141	D	14 X 1.00MM	992-08-M16	D	16 X 1.50MM
992-06-M142	D	14 X 1.25MM			

## NPT To Push Fit Hose End

Fitting Type :

Adaptor

Application :

All common carburetor systems

Material : D

Colour : BU

AN842

90° FORGED ADAPTOR



PART NO.	MATERIAL	THREAD	TO SUIT HOSE
AN842-04	D	1/8 X 27	200-04
AN842-06	D	1/4 X 18	200-06
AN842-08	D	3/8 X 18	200-08
AN842-10	D	1/2 X 14	200-10
AN842-12	D	3/4 X 14	200-12

AN840

STRAIGHT ADAPTOR



PART NO.	MATERIAL	THREAD	TO SUIT HOSE
AN840-04	D	1/8 X 27	200-04
AN840-06	D	1/4 X 18	200-06
AN840-08	D	3/8 X 18	200-08
AN840-10	D	1/2 X 14	200-10
AN840-12	D	3/4 X 14	200-12

AN844

45° FORGED ADAPTOR



PART NO.	MATERIAL	THREAD	TO SUIT HOSE
AN844-04	D	1/8 X 27	200-04
AN844-06	D	1/4 X 18	200-06
AN844-08	D	3/8 X 18	200-08
AN844-10	D	1/2 X 14	200-10
AN844-12	D	3/4 X 14	200-12

**Material Key**

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

## Special Adaptors

Fitting Type :  
Adaptor  
Application :  
Power steering, gauges, Pressure switches, Special applications

185		POWER STEERING ADAPTOR	
PART NO.	MATERIAL	THREAD	
		A THREAD	B JIC/UNF
185001	P	1/2 X 20	9/16 X 18
185002	P	5/8 X 18	9/16 X 18
185003	P	11/16 X 18	9/16 X 18
185004	P	M14 X 1.50	9/16 X 18
185005	P	M16 X 1.50	9/16 X 18
185006	P	M18 X 1.50	9/16 X 18

REPLACEMENT O-RINGS ARE AVAILABLE. SEE PAGE 74

AN921		90° O RING BOSS TO MALE UNION	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN921-06	D	9/16 X 18 UNF	
AN921-08	D	3/4 X 16 UNF	
AN921-10	D	7/8 X 14 UNF	
AN921-12	D	1 1/16 X 12 UNF	

REPLACEMENT O-RINGS ARE AVAILABLE. SEE PAGE 74

AN922		45° O RING BOSS TO MALE UNION	
PART NO.	MATERIAL	JIC/UNF THREAD	
AN922-06	D	9/16 X 18 UNF	
AN922-08	D	3/4 X 16 UNF	
AN922-10	D	7/8 X 14 UNF	
AN922-12	D	1 1/16 X 12 UNF	

REPLACEMENT O-RINGS ARE AVAILABLE. SEE PAGE 74

FP190		JIC MALE TO MALE WITH FEMALE NPT IN HEX		
PART NO.	MATERIAL	JIC THREAD	NPT HEX	
FP190	D	9/16 X 18	1/8 NPT	

FP191		JIC MALE TO MALE WITH FEMALE NPT IN HEX		
PART NO.	MATERIAL	JIC THREAD	NPT HEX	
FP191	D	3/4 X 16	1/8 NPT	

FP192/193		JIC FEMALE TO MALE WITH FEMALE NPT IN HEX		
PART NO.	MATERIAL	JIC THREAD	NPT HEX	
FP192	D	9/16 X 18	1/8 NPT	
FP193	D	3/4 X 16	1/8 NPT	

FP194 to 197		JIC MALE TO NPT MALE WITH NPT FEMALE IN HEX		
PART NO.	MATERIAL	THREAD		
FP194	D	-06 MALE TO 1/4 NPT MALE TO 1/8 NPT HEX		
FP195	D	-08 MALE TO 1/4 NPT MALE TO 1/8 NPT HEX		
FP196	D	-06 MALE TO 3/8 NPT MALE TO 1/8 NPT HEX		
FP197	D	-08 MALE TO 3/8 NPT MALE TO 1/8 NPT HEX		

AN920		STRAIGHT O RING BOSS TO MALE UNION		
PART NO.	MATERIAL	THREAD		
		A JIC	B UNF	
AN920-04	D	7/16 X 20	7/16 X 20	
AN920-06	D	9/16 X 18	9/16 X 18	
AN920-06-10	D	9/16 X 18	7/8 X 14	
AN920-08	D	3/4 X 16	3/4 X 16	
AN920-08-10	D	3/4 X 16	7/8 X 14	
AN920-08-12	D	3/4 X 16	1 1/16 X 12	
AN920-10	D	7/8 X 14	7/8 X 14	
AN920-10-06	D	7/8 X 14	9/16 X 18	
AN920-10-08	D	7/8 X 14	3/4 X 16	
AN920-10-12	D	7/8 X 14	1 1/16 X 12	
AN920-12	D	1 1/16 X 12	1 1/16 X 12	
AN920-12-10	D	1 1/16 X 12	7/8 X 14	

REPLACEMENT O-RINGS ARE AVAILABLE. SEE PAGE 74

## 3 And 4 Way Connectors

Fitting Type :  
Adaptor  
Material : B

2203		3 WAY JIC/UNF FEMALE TEE	
PART NO.	MATERIAL	JIC/UNF THREAD	
2203-03	B	3/8 X 24	

319		3 WAY METRIC FEMALE TEE	
PART NO.	MATERIAL	METRIC THREAD	
319-31	B	10 X 1.00	

2204		4 WAY FEMALE TEE	
PART NO.	MATERIAL	THREAD	
2204-03	B	3/8 X 24	
2204-31	B	M10 x 1.00mm Metric Concave	

Material Key

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

## Brake Adaptors

Fitting Type :

**Brake Adaptor**

Application :

**Brake systems**

To Suit Hose :

**600 series**

Material : P


Please Note :


**INV = Convex**


**BUB = Concave**


The Goodridge range of brake adaptors has evolved over the past 35 years to cover almost every combination of thread, dimension and application. Whether you are working on a race car, passenger vehicle, motorcycle or custom project, you are sure to find the adaptor you need.


It is important to note that these adaptors can be utilised with your pre-made TÜV/DOT PTFE Hose assemblies and still remain within the legal requirements.


10100		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		10100-03	-3 MALE TO 10 X 1.00MM
		10100-04	-4 MALE TO 10 X 1.00MM


10120		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		10120-03	-3 MALE TO 1/2 X 20 INV


10125		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		10125-03	-3 MALE TO 10 X 1.25MM
		10125-04	-4 MALE TO 10 X 1.25MM


10324		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		10324-03	-3 MALE TO 3/8 X 24 INV
		10324-04	-4 MALE TO 3/8 X 24 INV


10716		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		10716-03	-3 MALE TO 7/16 X 24 INV
		10716-04	-4 MALE TO 7/16 X 24 INV


10720		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		10720-03	-3 MALE TO 7/16 X 20 INV
		10720-04	-4 MALE TO 7/16 X 20 INV

10916		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		10916-03	-3 MALE TO 9/16 X 18 CONVEX

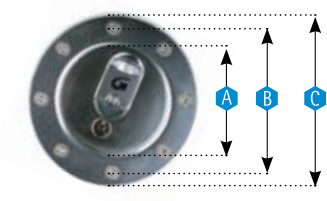
FM10100		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		FM10100-03	-3 MALE TO FEMALE 10 X 1.00MM INV
		FM10100-31	-3 MALE TO FEMALE 10 X 1.00 MM BUB FLARE
		FM10100-04	-4 MALE TO FEMALE 10 X 1.00MM INV
		FM10100-44	-4 MALE TO FEMALE 10 X 1.00MM BUB FLARE

FM10125		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		FM10125-03	-3MALE TO FEMALE 10 X 1.25MM INV

FM10324		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		FM10324-03	-3 MALE TO FEMALE 3/8 X 24 INV
		FM10324-04	-4 MALE TO FEMALE 3/8 X 24 INV
		FM10324-04	-4 MALE BULKHEAD TO 3/8 X 24 INV

FM10716		BRAKE ADAPTOR	
		PART NO.	DESCRIPTION
		FM10716-03	-3 MALE TO FEMALE 7/16 X 24 INV
		FM10716-04	-4 MALE TO FEMALE 7/16 X 24 INV





*Ancillary*

*Section:08*

**Material Key**

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

## Ancillary

This section contains all those extras the professional may require to complete the job together with some extras Goodridge has been asked for over the years. If you

don't see something you may need, please ask our professional sales team and we will do our best to supply.

### Buna O-Ring

Part No: OR6290

Fitting Type : O-Ring

Application :

Suitable for all petroleum products

Please Note :

These 'O' rings conform to AN6290 specifications.

To suit :

AN920, AN921, AN922, AN814SD and swivel G-line fittings



PART NO.	SECTION (INCHES)	I.D (INCHES)
OR6290-03	0.064 ± 0.003	0.301 ± 0.005
OR6290-04	0.072 ± 0.003	0.351 ± 0.005
OR6290-06	0.078 ± 0.003	0.468 ± 0.005
OR6290-08	0.087 ± 0.003	0.644 ± 0.005
OR6290-10	0.097 ± 0.003	0.755 ± 0.005
OR6290-12	0.116 ± 0.004	0.924 ± 0.006
OR6290-16	0.116 ± 0.004	1.171 ± 0.006

### Lockwire and Lockwire Twist Pliers

Part No: LWD / TP598

Material :

Stainless Steel (Lockwire)

Package Weight :

0.45 Kilos

Options Available :

See table opposite.

Aircraft grade 302 stainless steel lock wire made to military specifications is perfect for positioning hoses or mounting hardware and combined with our Lockwire Twist Pliers allows for quick and easy safety lockwiring.



PART NO.	WIRE SIZE INCHES	WIRE SIZE MM
LWD594	0.018	0.45
LWD595	0.020	0.51
LWD596	0.024	0.62
LWD597	0.032	0.81
LDW598	0.040	1.01
TP598	LOCKWIRE TWIST PLIERS	

### Cushioned Tube Clamps

Part No: PLCC

Material : D

Please Note :

\* -04 and -05 available in coloured anodised aluminium.

Anodised Aluminium Colour :

BU ● GD ● RD ● PR ●

Example Part No.

PLCC-03DGD =

Anodised Aluminium Gold

Aircraft quality clamps to support and locate hoses. They can be secured either by a rivet or a bolt.



PART NO.	INSIDE DIAMETER	HOSE TYPE
PLCC-03	3/16	600-02
PLCC-04*	1/4	600-03
PLCC-05*	5/16	600-04 600-03 (COVERED)
PLCC-06	3/8	600-05
PLCC-08	1/2	200-06
PLCC-10	5/8	200-08
PLCC-12	3/4	200-10
PLCC-16	1	200-12
PLCC-20	1 1/4	200-16
PLCC-24	1 1/2	200-20

**Material Key**

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

**Quick Disconnect**

Part No: QD588

Fitting Type :  
Quick Disconnect

Application :  
Fuel, oil and water systems

Material: D

A simple and reliable quick disconnect coupling for use with oil and fuel systems, and fuel sampling.



PART NO.	MATERIAL	JIC/UNF THREAD
QD588-04D	D	7/16 X 20
QD588-06D	D	9/16 X 18
QD588-08D	D	3/4 X 16
QD588-10D	D	7/8 X 14
QD588-12D	D	1 1/16 X 12
QD588-16D	D	1 5/16 X 12

**Aircraft Quality Stainless Steel Hose End Clip**

Part No: PLWG

Fitting Type :  
Hose Clip

Application :  
Hose end clamping

To Suit Hose:  
200, 202, TFTU25, 536

Material: C

Lightweight, fully machined, all stainless - the best available.



PART NO.	INSIDE DIAMETER MIN / MAX (APPROX)			
	INCHES	INCHES	MM	MM
PLWG-02	9/32	5/8	7.20	16.00
PLWG-03	5/16	7/8	8.00	22.25
PLWG-04	9/16	1 1/4	14.50	31.40
PLWG-05	1 1/16	1 1/2	26.60	37.70
PLWG-06	7/8	1 3/4	22.25	44.25
PLWG-08	1 13/16	2 1/2	45.75	62.70
PLWG-10	2 1/16	2 3/4	51.60	65.25
PLWG-12	2 3/4	2 13/16	69.25	70.75

**Oetiker Clip and Oetiker Pliers**

Part No: OC / 1098

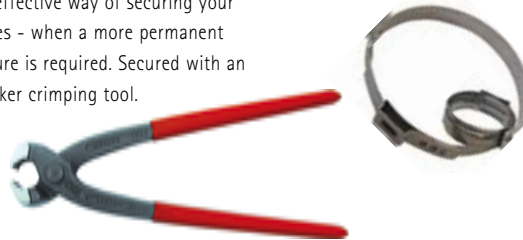
Fitting Type :  
Oetiker clip

Application :  
Hose end clamping

To Suit Hose:  
200, 202, TFTU25, 536

Material: C

An effective way of securing your hoses - when a more permanent fixture is required. Secured with an Oetiker crimping tool.



PART NO.	RANGE MIN/MAX	PART NO.	RANGE MIN/MAX
16.6-706R	14.1-16.6MM	25.6-706R	22.4-25.6MM
17.5-706R	15.0-17.5MM	27.1-706R	23.9-27.1MM
19.2-706R	16.0-19.2MM	28.6-706R	25.4-28.6MM
19.8-706R	16.6-19.8MM	30.1-706R	26.9-30.1MM
21.0-706R	17.8-21.0MM	33.1-706R	29.9-33.1MM
22.6-706R	19.4-22.6MM	54.5-706R	51.3-54.5MM
24.1-706R	20.9-24.1MM	56.0-706R	52.8-56.0MM
1098	OETIKER CLIP PLIERS		

**Hose Separators**

Part No: PHS

Fitting Type :  
Hose Separator

Application :  
Locating and routing hoses

To Suit Hose:  
200 and 600

Route your hoses where you want them, out of harms way. Hose separators are manufactured from billet aluminium and anodised to suit your colour scheme. Great for race vehicles, motorcycles and street vehicles.



PART NO.	TO SUIT HOSE	COLOUR
PHS-03CL	600-03	CLEAR
PHS-03CL-CF	600-03 COLOURFLEX	CLEAR
PHS-03DB	600-03	BLUE
PHS-03DB-CF	600-03 COLOURFLEX	BLUE
PHS-03DR	600-03	RED
PHS-03DR-CF	600-03 COLOURFLEX	RED
PHS-06DB	200-06	BLUE
PHS-06DR	200-06	RED
PHS-08DB	200-08	BLUE
PHS-08DR	200-08	RED
PHS-10DB	200-10	BLUE

**Material Key**

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

## Ty Raps and Saddles

Part No: TY

**Application :**  
Locating and routing hoses

Self-extinguishing nylon pull through ties that self lock. An effective and inexpensive method of securing cables, fluid lines etc. May be used with or without saddle hose base.



PART NO.	WIDTH (APROX)		LENGTH (APROX)	
	INCHES	MM	INCHES	MM
TY23	0.091	2.3	3.600	95.00
TY24	0.140	3.6	5.550	145.00
TY25	0.184	4.7	7.300	190.00
TY27	0.301	7.6	3.380	90.00
TY28	0.184	4.7	14.190	360.00
TC102 SADDLE	0.500	12.7	0.750	20.00

## PVC Heatshrink

Part No: HS760

**Application :**  
Protective covering

To Suit Hose :  
600, 200, 910

**Application :**  
Protective covering

**Material :** PVC

**Colour :**  
BU ● YE ● RD ● PR ● BK ● CL ● GR ●

Blue(BU) Yellow(YE) Red (RD) Purple(PR)

Black(BK) Clear(CL) Green(GR)

Self extinguishing PVC protective covering, giving protection against corrosion and abrasion. This tough, hard-wearing material may be fitted to braided hose or any other automotive component and shrunk to size by hot air, with a maximum reduction of 35% of original size.



PART NO.	HOSE	COLOUR
HS760-02	600-02	BK
HS760-03	600-03/04	BK, CL, BU, GR, RD, YE, PR
HS760-06	200-04/06/08	BK, CL, BU, RD
HS760-10	200-10	BK, CL, RD,
HS760-12	200-12	BK, CL
HS760-16	200-16	BK, CL

## Raychem Heatshrink

Part No: DR-25

**Application :**  
Heat, abrasion and chemical resistant covering, capable of withstanding temperatures from: -75°C (-167°F) to 150°C (302°F)

To Suit Hose :  
600, 200, 910, 710, 811, 510

**Material:** Raychem

**Colour:** Black

Raychem represents the ultimate high performance covering, offering protection from heat, abrasion and chemical attack. Easily shrink to size using hot air.

**Glue impregnated and thin wall versions available on request.**



PART NO.	TO SUIT HOSE
DR-25-1/4	600-02
DR-25-3/8	600-03/04
DR-25-1/2	200-06/08
DR-25-1	200-10/12
DR-25-3/2	510-12/710-12

## Reinforced Plastic Tube

Part No: HP

**Application :**  
Protective covering

To Suit Hose :  
600-03

**Material:** Reinforced plastic

To suit Motocross and Enduro applications, this hard plastic tubing can be used over your flexible hose and attached to the fork leg or rear swinging arm.



PART NO.	TO SUIT HOSE	COLOUR
HP-03	-03	OPAQUE
HP-03RD	-03	RED
HP-03BU	-03	BLUE
HP-03BK	-03	BLACK
HP-03GN	-03	GREEN
HP-03YE	-03	YELLOW

Material Key

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

## Flameguard

Part No: EKC622

Application :  
Lightweight flameguard and heat protection.

To Suit Hose : All

Material:  
Aluminium and Aramid fibre

Temp:  
Under continuous use:  
-36°C (-32°F) to +180°C (356°F)

A glass cloth with an aluminium foil surface on one side. Its lightweight construction makes it a very popular heat and fire protector. It is now also available with Aramid Fibre reinforced cloth for ultimate strength.



PART NO.	TUBE O.D SIZE TO BE COVERED	TO SUIT HOSE
EKC622-04	1/2	600/02/03/04
EKC622-08	3/4	200-06/08
EKC622-12	1	200-10/12
EKC622-16	1 1/4	200-16
EKC622-M	1 M WIDE	ON A ROLL

## Aramid Flameguard

Part No: K600

Application :  
Flame retardant and heat insulation

To Suit Hose :  
All

Material:  
Aramid fibre weave

Offering additional heat and flame protection for all high temperature environments.



PART NO.	TUBE O.D SIZE TO BE COVERED	TO SUIT HOSE
K600-02	1/4	600-02
K600-03	1/2	200-03/04
K600-08	1	200-06/08
K600-12	1 1/4	200-10/12
K600M	1 M WIDE	SHEET CUT TO SUIT ANY APPLICATION

## Fireproof Sleeve

Part No: FG900

Application :  
Insulation and fire retardent protection,  
1090°C (2000°F) for up to 15 minutes.

Operating temp:  
-54°C (-65°F) to + 260°C (500°F)

To Suit Hose : All

Material:  
Silicone

A silicone covered sleeve which acts as a fire retardant, an insulator and a chafe protector. Installed by inserting the hose into the sleeve prior to hose fitting assembly.



PART NO.	TUBE O.D SIZE TO BE COVERED	TO SUIT HOSE
FG900-03S	1/4	600-02/03/04
FG900-06S	3/8	600-06/200-04
FG900-08S	1/2	200-06/08
FG900-12S	3/4	200-10/12
FG900-16S	1	200-16
FG900-20S	1 1/4	710/510-16

## Textalu

Part No: TEXTALU

Application :  
Insulation and fire retardent protection,

To Suit Hose :  
All

Material:  
Silicone

Temp:  
Under continuous use:  
Up to +220°C (428°F)

An insulative fibreglass sleeving with a silicone coating designed to protect components in high temperature areas where the heavier fireproof sleeving is not required. It provides superior insulation to components that must maintain stable temperatures to assure performance efficiency. Its braided construction allows good flexibility in temperatures as low as -40°C.



PART NO.	TO SUIT HOSE
TEXTALU-8MM	600-03 / 04
TEXTALU-10MM	600-06
TEXTALU-12MM	200-04
TEXTALU-15MM	200-06
TEXTALU-22MM	200-08 / 10

## Polythene Spiral Binding

Part No: FRP

Application :  
Hose protection  
To Suit Hose :  
200, 600  
Material:  
Reinforced Polythene

A flexible spiral binding to provide protection to both hose and paintwork.



PART NO.	TUBE O.D SIZE	TO SUIT HOSE
FRP-1	1/8 OPAQUE	600-02
FRP-1BK	1/8 BLACK	600-02
FRP-2	1/4 OPAQUE	600-03/04
FRP-2BK	1/4 BLACK	600-03/04
FRP-3	1/2 OPAQUE	600-06/200-06
FRP-3BK	1/2 BLACK	600-06/200-06

## Overbraid

Part No: 9100

Application :  
Hose protection and professional finish  
To Suit Hose :  
All  
Material:  
Stainless steel

Certain pre-formed heater and radiator hoses are impossible to replace with pre-braided stainless steel hose. The stainless steel overbraid fitted over the original hose is the ideal way to finish off any first class installation.



PART NO.	TUBE O.D SIZE
9100-01	1/4" - 5/8"
9100-02	1/2" - 3/4"
9100-03	3/4" - 1 1/2"
9100-04	1 1/4" - 1 3/4"

## Plastic Red Caps And Plugs

Part No: RC/RP

Application :  
Hose protection from dirt and fluid  
To Suit Hose :  
All  
Material:  
Plastic

Inexpensive plastic caps and plugs for temporary sealing of hose assemblies and protection of threads.



TO SUIT THREAD	DASH	CAP PART NO.	PLUG PART NO.	TO SUIT THREAD	DASH	CAP PART NO.	PLUG PART NO.
3/8 x 24 JIC/UNF	-3	RC270-03	RP290-03	1/8 BSP	-3	RC260-03	RP280-03
7/16 x 20 JIC/UNF	-4	RC270-04	RP290-04	1/4 BSP	-4	RC260-04	RP280-04
9/16 x 18 JIC/UNF	-6	RC270-06	RP290-06	3/8 BSP	-6	RC260-06	RP280-06
3/4 x 16 JIC/UNF	-8	RC270-08	RP290-08	1/2 BSP	-8	RC260-08	RP280-08
7/8 x 14 JIC/UNF	-10	RC270-10	RP290-10	5/8 BSP	-10	RC260-10	RP280-10
1 1/16 x 12 JIC/UNF	-12	RC270-12	RP290-12	3/4 BSP	-12	RC260-12	RP280-12
1 5/16 x 12 JIC/UNF	-16	RC270-16	RP290-16	1" BSP	-16	RC260-16	RP280-16
10 x 1.00mm	-3		RP290-31	Banjo Plug	-3		SP33006
14 x 1.50mm			RP290-M14	Banjo Plug	-4		DG828
16 x 1.50mm			RP290-M16	Banjo Plug	5091-03		BC-03

## Apex Universal Joints

Part No: UJ

Application :  
Linkage joints

These universal joints are made to aircraft specifications and are recognised as being the best available for use with gear or steering linkages. The sizes allow fitting either by welding or pinning. The joint is covered with a rubber boot for protection from dirt and retention of grease.



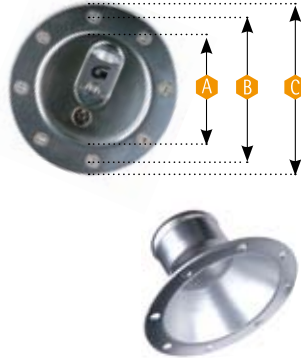
PART NO.	I.D. INCHES	O.D. INCHES
UJ174	1/2	5/8
UJ274	5/8	3/4
UJ374	3/4	7/8

**Material Key**

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

## Fuel Caps And Filler Necks

Aluminium 2 1/2", 2" and 1 1/2" opening size fuel caps feature a high quality quick action sealing method. The fuel caps are available either as locking or non-locking and come complete with gasket and fasteners. They are also available in black with a red logo.



PART NO.	COLOUR	TYPE		
4250AE	SILVER	NON-LOCKING		
4250AEB	BLACK	NON-LOCKING		
4250AG	SILVER	LOCKING		
4250AGB	BLACK	LOCKING		
4230AE		NON-LOCKING		
4230AEN		NON-LOCKING WITH NECK		
4230AG		LOCKING		
4210AE		NON-LOCKING		
4210AEN		NON-LOCKING WITH NECK		
4210AG		LOCKING		
FN900	SILVER	FILLER NECK		
	A	B	C	
4250	75MM (3")	102MM (4") C-C	120MM (4 3/4")	
4230	60MM (2 1/4")	76MM (3") C-C	90MM (3 3/4")	
4210	45MM (1 3/4")	64MM (2 1/2") C-C	80MM (3 1/8")	

C-C = CENTRE TO CENTRE

## Alloy Wrenches

Part No: AW760

Hard anodised, these alloy wrenches are specifically designed for use with alloy hose ends and adaptor. Their short handles allow use in tight spots and discourage overtightening. The unique double ended design will suit both the nut and socket.



PART NO.	HEX INCHES	HEX MM	TO SUIT FITTING
AW760-04	9/16	14.28	-04
AW760-06	11/16	17.50	-06
AW760-08	7/8	22.00	-08
AW760-10	1	25.00	-10
AW760-12	1 1/4	31.40	-12
AW760-16	1 1/2	38.00	-16
AW760-20	1 13/16	46.00	-20
AW760-SET	-4 to -12		Spanner Set
AW760-SET (USA)	-6 to -16		USA Spanner set

## Fuel Pressure Gauge

Part No: 015LIQ / 0100LIQ

Application :  
A compact and reliable fuel pressure gauge



PART NO.	DIAMETER	INLET SIZE
015 LIQ	1 1/2"	1/8 NPT (15 PSI)
0100LIQ	1 1/2"	1/8 NPT (100 PSI)

## Brake Fluid

Part No: BF2504 / BF5004

Application :  
A High performance synthetic brake fluid for all braking systems

Available Sizes :  
250ml box of 25  
500ml box of 6



PART NO.	PRODUCT DESCRIPTION
BF2504	DOT4 SYNTHETIC 250ML
BF5004	DOT4 SYNTHETIC 500ML

## Custom Fuel Filter

Part No: FHP

**Application :**

All fuel filtration requirements.

**Features:**

- Both ends detachable for ease of cleaning.
- Cleanable by hand or Ultrasonically.
- Can be changed quickly and easily.
- Suitable for all common fluid or gases (methanol special order)
- Wide temperature range (-60°C - +120°C)
- Wide range of filtration rates available 10, 25, 60, 80 100 and 150 micron.
- Small and light design, with high capacity.
- Pressure up to 210bar

Engineered and designed to aircraft standards these Goodridge filters can be assembled to suit all your filtration requirements.

The filter is custom designed to optimise weight reduction whilst maintaining pressure rating.

An aircraft specification filter insert providing outstanding cleanliness and can easily be cleaned and replaced.

TYPE	PRESSURE	TYPE	THREAD SIZE OPTIONS	TYPE	MICRON
FHP	HIGH	6M6M	9/16 x 18JIC - 9/16 x 18 JIC Male/Male	10	10
		8M8M	3/4 x 16JIC - 3/4 x 16 JIC Male/Male	25	25
			All thread sizes are available in all micron ratings.	60	60
				80	80
				150	150

PART NUMBER EXAMPLE: FHP 6M6M 25

FHP	FILTER	6M6M	MALE -6 ENDS	25	MICRONS
-----	--------	------	--------------	----	---------



## Large Capacity Fuel Filter

Part No: FF572

**Application :**

All filtration requirements

A 149 micron fuel or oil filter designed to be placed in line. These filters have a fine mesh filter which can be removed and cleaned.



PART NO.	THREAD	TYPE	APPLICATIONS
FF572-04	7/16 X 20	GAUZE	OIL/FUEL
FF572-06	9/16 X 18	GAUZE	OIL/FUEL
FF572-08	3/4 X 16	GAUZE	OIL/FUEL
FF572-10	7/8 X 14	GAUZE	OIL/FUEL

## Fuel Filter

Part No: FF-06 / FF-08

**Application :**

All filtration requirements

Material : DR ● DB ●

Red Anodised Aluminium (DR),  
Blue Anodised Aluminium (DB)

A high capacity fuel or oil filter designed to be placed in line. These filters have a fine mesh filter which can be removed and cleaned.



PART NO.	MATERIAL	COLOUR	THREAD
FF-06	DR	RED	9/16 X 18
FF-06	DB	BLUE	9/16 X 18
FF-08	DR	RED	3/4 X 16
FF-08	DB	BLUE	3/4 X 16

## Alloy Check (Flap) Valve

Part No: FCV

**Application :**

Fuel and Oil systems

Alloy cased flap check valves for low pressure oil and fuel applications.



PART NO.	THREAD
FCV-04	7/16 X 20
FCV-06	9/16 X 18
FCV-08	3/4 X 16
FCV-10	7/8 X 14



**Material Key**

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

**Tip Valve**

Part No: TRL6 / TRL7 / TRV67

Application :  
Fuel systems

Fuel tank vent valves shut off if the vehicle becomes inverted to prevent fuel spillage.



PART NO.	TO SUIT THREAD
TRL6	9/16 X 18
TRL7	7MM PIPE
TRV67	9/16 X 18JIC TO 7MM PIPE

**Facet - Bendix Fuel Pump**

Part No: FB/FS/FC

Application :  
Fuel systems

These pumps are accepted as the standard pump for all competition applications. A very high standard of construction makes these rugged high performance pumps extremely reliable. May be placed in pairs, either in parallel or series.



PART NO.	TYPE	THREAD	MAX P.S.I.	MAX FLOW
FB101	RED TOP	1/4 NPT	7.0	45
FS102	SILVER TOP	1/8 NPT	4.5	30
FC103	SOLID STATE	1/8 NPT	5.0	37

**Fuel Shut off Taps**

Part No: PV72

Application :  
Fuel systems

Lightweight and compact tap, allowing full flow or 100% shut-off.



PART NO.	MATERIAL	INLET THREAD	OUTLET THREAD
PV72-04	CH	1/4 NPT	1/4 NPT
PV72-06	D	3/8 NPT	9/16 X 18 JIC/UNF
PV72-08	D	3/8 NPT	3/4 X 16 JIC/UNF

**In-line Thermostats**

Part No: OTP / OTB

Application :  
Oil cooling systems

The cooler thermostat is designed to be fitted into the oil lines between the filter and the cooler. This unit prevents the oil passing through the cooler until a temperature of 75°C has been reached, ensuring a quick warm up, and stops over-cooling of the oil. Available as 1/2 BSP female ported or push-fit.



PART NO.	THREAD
OTB-12	1/2 BSP FEMALE
OTP-12	1/2 PUSH-FIT

Material Key

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

### Remote Filter Heads

Part No: RFH / RFHP

Application :  
Oil cooling systems

Aluminium cast filter head with 1/2 BSP female ports or with 1/2" Push Fit tails. A sandwich plate is required if the filter is being re-positioned from the original location.



PART NO.	THREAD	FILTER THREAD
RFH	1/2 BSP FEMALE	3/4" X 16UNF
RFHP	1/2 PUSH-FIT	3/4" X 16UNF

### Sandwich Plates and Adaptor Bolts

Part No: SB / EB

Application :  
Oil cooling systems

Adaptor Bolts :  
Alternatives to standard 3/4" UNF Bolt that is supplied with sandwich plates.

Aluminium cast sandwich plate used with our remote filter heads, In-line Thermostats and Oil Coolers.



PART NO.	THREAD	BOLT THREAD
SBTB-12	1/2 BSP FEMALE	3/4" X 16UNF
SBTP-12	1/2 PUSH-FIT	3/4" X 16UNF
SBTP-58	5/8 PUSH-FIT	3/4" X 16UNF

PART NO.	DESCRIPTION	BOLT THREAD
BP-01	BLANKING PLATE	
SR-5	SEALING RING	
EB34	EXTENSION BOLT	3/4" X 16UNF
EB-M18	ADAPTOR BOLT	M18 X 1.50MM
EB-M20	ADAPTOR BOLT	M20 X 1.50MM
EB-1316	ADAPTOR BOLT	13/16 UNF
EBT34	ADAPTOR BOLT	3/4 UNF

### Copper Crush Washers

Part No: 445 / CUW

Application :  
Sealing

Sealing washer for use with chrome plated steel, mild steel and stainless fittings.



PART NO.	I.D.	O.D.	THICKNESS
44514	8.00MM	11.00MM	1.00MM
44516 (-03)	3/8, 10MM	0.590"	0.050"
44517	10.00MM	14.00MM	2.00MM
44518 (-04)	0.437"	0.685"	0.050"
44518HD	11.50MM	16.00MM	1.50MM
44519	12.50MM	15.00MM	1.30MM
44520	14.50MM	18.00MM	1.50MM
CUW-M12	12.25MM	16.00MM	1.50MM
CUW-M14	14.30MM	18.40MM	1.20MM
CUW-M16	16.00MM	22.50MM	1.00MM
CUW-M18	18.20MM	24.20MM	2.00MM

### Alloy Crush Washers

Part No: 445 / CW

Application :  
Sealing

Sealing washer for use with aluminium and stainless fittings.



PART NO.	I.D.	O.D.	THICKNESS
44515 (-3)	0.400	0.590	0.050
CW901-04	0.443	0.683	0.050
CW901-06	0.568	0.808	0.050
CW901-08	0.755	0.995	0.050
CW901-10	0.880	1.120	0.050
CW901-12	1.068	1.370	0.050
CW901-M12	12.2MM	17.9MM	1.1MM
CW901-M14	14.5MM	19.0	1.4MM
CW901-M16	16.3MM	19.8MM	1.4MM

**Material Key**

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

**Stat-O-Seals**

Part No: SS902

Application : Sealing

The stat-o-seal is the best sealing washer available. It consists of a synthetic rubber 'O' ring mechanically locked to the I.D. of an aluminium crush washer. This provides the advantages of an O ring seal, but with ease of fitting. Stat-o-seals will tolerate temperatures from:  
 -85°F (-30°C) to 450°F. (233°C)



PART NO.	I.D. (INCHES)	O.D. (MM)	THICKNESS (MM)
SS902-03	3/16	11.4	1.25
SS902-04	1/4	12.7	1.25
SS902-05	5/16	15.3	1.25
SS902-06	3/8	16.9	1.25
SS902-07	7/16	19.2	1.25
SS902-08	1/2	22.2	1.25
SS902-09	9/16	27.0	1.25
SS902-10	5/8	30.2	1.25
SS902-12	3/4	33.4	1.5
SS902-14	7/8	28.3	1.5

**Bonded Seals (Dowty)**

Part No: DW

Application : Sealing

High quality bonded Dowty sealing washers in a range of sizes.



PART NO.	I.D. (INCHES)	O.D. (INCHES)	SIZE BSP	SIZE JIC	SIZE METRIC
DW-20A	0.407	0.625	1/8	3/8	10MM
DW-09	0.460	0.750		7/16	11MM
DW-21B	0.540	0.810	1/4	1/2	12MM
DW-10	0.585	0.875		9/16	14MM
DW-11	0.650	1.000		5/8	16MM
DW-23C	0.679	0.940	3/8		
DW-24CC	0.744	1.060		3/4	18MM
DW-25D	0.847	1.125	1/2		20MM
DW-26E	0.924	1.250	5/8	7/8	22MM
DW-27F	1.064	1.375	3/4	1	24MM
DW28FF	1.095	1.520		1 1/16	26MM
DW-29G	1.212	1.500		1 3/16	30MM
DW-30H	1.333	1.685	1	1 5/16	33MM

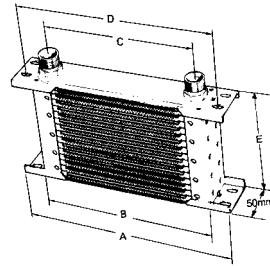
**Material Key**

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

**Oil Coolers**

**Application :**  
All Cooling Systems  
**Threads :**  
JIC and BSP  
**Options :**  
Only three widths of cooler are stocked, seven other widths are available upon request.  
Oil Cooler 919AN08  
Suitable for Suzuki GSXR (GSXRS-BR or GSXRP-BR Bracket required)

An efficient lightweight Oil Cooler is essential for any competition installation and an often needed option with many street vehicles. Our range of high quality alloy coolers are available in both JIC and BSP threads. Only two widths of cooler are stocked, seven other widths are available upon request.



COOLER TYPE (INCLUDING MEASUREMENTS IN METRIC)				
PART NO. PREFIX	A	B	C	D
1	210	163	130	190 HALF WIDTH
6	330	283	250	310 FULL WIDTH
9	405	325	292	385 EXTRA WIDTH

NUMBER OF ROWS (1 ROW = 8MM APPROX)	
PART NO. SUFFIX	HEIGHT
7	52
10	75
13	99
16	123
19	146
25	194
34	265
43	336

THREAD		
PART NO. SUFFIX	THREAD TYPE	
AN06	9/16 X 18	JIC/UNF
AN08	3/4 X 16	JIC/UNF
AN10	7/8 X 14	JIC/UNF
AN12	1 1/16 X 12	JIC/UNF
AN16	1 5/16 X 12	JIC/UNF
M14	14 X 1.50MM	METRIC
M16	16 X 1.50MM	METRIC
M18	18 X 1.50MM	METRIC
R38	3/8 X 19	BSP
R12	1/2 X 14	BSP
R58	5/8 X 14	BSP
R34	3/4 X 14	BSP
R10	1 X 11	BSP

**PART NO. EXAMPLES**

	COOLER TYPE	NUMBER OF ROWS	THREAD	PART NO. EXAMPLES
JIC/UNF THREAD	6	13	AN08	PART NO. = 613AN08
METRIC THREAD	6	16	M18	PART NO. = 616M18
BSP THREAD :	1	10	R12	PART NO. = 110R12



**USE 919AN08 COOLER**

GSXR-BR GSXR1100 SLINGSHOT OIL COOLER BRACKET  
GSXR-BRK GSXR750 SLINGSHOT OIL COOLER BRACKET  
GSXR-BRPS GSXR PRE SLINGSHOT OIL COOLER BRACKET

**USE 619AN08 COOLER**

BR-06 TYPE 6 OIL COOLER BRACKET  
GSF6-BR GSF600 BANDIT LOWER COOLER BRACKET



## Engineering Capabilities

The nature and demands of our sport and industry are such that inevitably some installations will require parts that are not contained in our standard product range. Where required Goodridge can provide a service to supply special parts, which allows the customer access to the extensive experience of Goodridge Engineering.

A complete service can be provided; specification, design and quotation through to the supply of the finished component. Goodridge will liaise closely with you, the customer. When urgency demands, a 48 hour turnaround is possible.



### Design

Our Design office is equipped with 3D CAD technology. Drawings can be received and transmitted in most formats to ensure rapid and constant flow of information.

The knowledge and experience of hose and fitting technology gained over 35 years in this field can be drawn on to design special hose fittings, adaptors, hardline assemblies, tooling and associated products.

### Inspection, Measurement And Testing

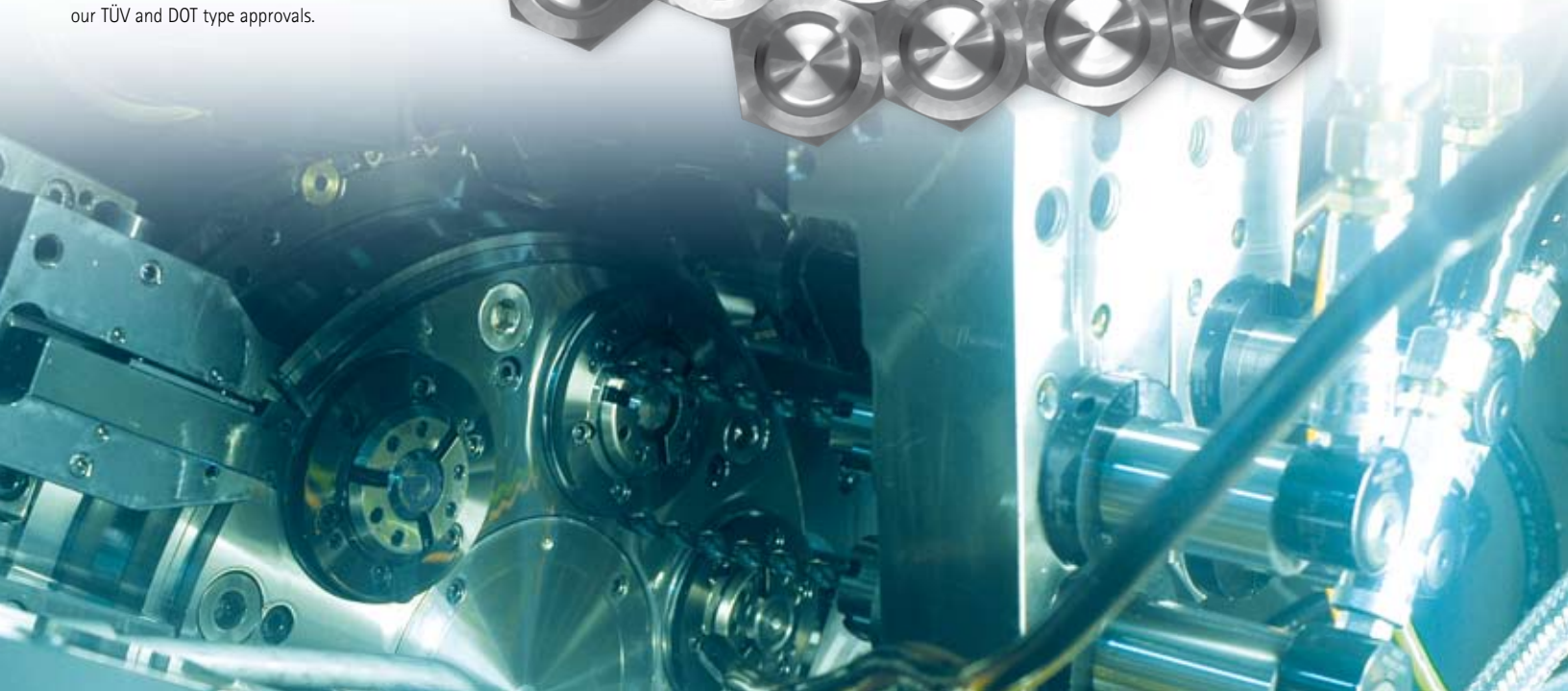
We offer full inspection and quality to QS9000 standards and have the equipment in house for, endoscopy, hardness testing, fatigue testing, pressure and tensile testing. We can test any line in house to meet the demanding requirements of the TÜV or DOT. Full testing equipment is also available to meet all the requirements of the original equipment and road going vehicle industries enabling us to maintain our TÜV and DOT type approvals.

### Raw Material Stock

For all the requirements of the industry we hold a wide variety of raw material stock in bar, billet, tube and forgings in aluminium, mild steel, stainless steel and titanium.

### Machine Shop

Our machine shop contains the latest CNC turning and milling equipment together with tube manipulation equipment. We have a full range of brazing, silver soldering and welding equipment in house. Finishing treatments of all types can be arranged.



Material Key

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

## Special Parts

Customer specific special parts range from simple conversions of standard parts through to truly bespoke parts involving sophisticated turning and milling operations.



## Special Banjo Assemblies

Special banjo assemblies made to accommodate different hose and bolt configurations, location lugs, pressure transducers and dampers. With compound bent necks or fully swivelling, 'O' Ring sealed, assemblies.



## Plug-In / O-Ring Sealed Fittings

Plug-in, 'O'Ring sealed fittings in a variety of styles, such as: Straights, Machined Elbows, and Swept Tube.



## Aluminium Brazing

Our in-house aluminium brazing facility allows standard end bodies and tubes to be combined with special parts to produce bespoke parts rapidly.



## Welding

Similarly, welding gives the flexibility required to manufacture parts rapidly and cost effectively in steels, titanium and aluminium.



**Material Key**

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

**Draw Swage Machine & Accessories**

Part No: SW

Description :  
Hydraulic Draw Swage machine

To Suit Hose :  
510, 710

Application :  
The Draw Swage machine is suitable for all G-Line swage products except -20 which must be crimped in-house by Goodridge.



PART NO.	MACHINE PARTS
SW-501	SPINDLE ADAPTOR
SW-502	DIE HOLDER
SW-503	BENCH STRAPS (2 OFF)
SW-504	SWAGE MACHINE FRAME
SW-505	HYDRAULIC RAM
SW-508	HOSE
SW-509	COUPLER
SW-511	ELBOW
SW-512	AIR PUMP (FOOT OPERATED)
SW-513	CONNECTOR

**Swaging Die** Part No: SW100/ SW200

Description :  
Swage die

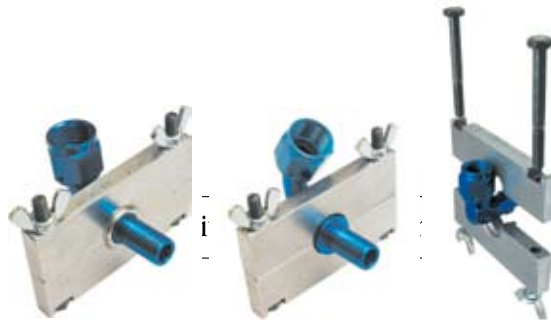
To Suit Hose :  
510, 710



PART NO.	MACHINE PARTS
SW-104	-04 1ST PASS SWAGING DIE
SW-204	-04 2ND PASS SWAGING DIE
SW-106	-06 1ST PASS SWAGING DIE
SW-206	-06 2ND PASS SWAGING DIE
SW-108	-08 1ST PASS SWAGING DIE
SW-208	-08 2ND PASS SWAGING DIE
SW-110	-10 1ST PASS SWAGING DIE
SW-210	-10 2ND PASS SWAGING DIE
SW-112	-12 1ST PASS SWAGING DIE
SW-212	-12 2ND PASS SWAGING DIE
SW-116	-16 1ST PASS SWAGING DIE
SW-216	-16 2ND PASS SWAGING DIE

**Fork Plates** Part No: SW300

Application :  
Fork plates enable angled G-line fittings to be held during draw swaging.



PART NO.	MACHINE PARTS
SW-304	-04 FORK PLATES
SW-306	-06 FORK PLATES
SW-308	-08 FORK PLATES
SW-312	-10 FORK PLATES
SW-312	-12 FORK PLATES
SW-316	-16 FORK PLATES

**Back Stops** Part No: SW400/SW700

SW400 Application :  
Backstop to enable draw swaging of 4001 style female fittings. Removal of the centre screw allows 4441 style male fittings to be swaged

SW700 Application :  
Backstop to enable draw swaging of 4001 DFL Wiggins-cup fittings



PART NO.	MACHINE PARTS
SW-404	-04 BACK STOPS
SW-406	-06 BACK STOPS
SW-408	-08 BACK STOPS
SW-410	-10 BACK STOPS
SW-412	-12 BACK STOPS
SW-416	-16 BACK STOPS
SW-708	-08 BACK STOPS
SW-710	-10 BACK STOPS
SW-712	-12 BACK STOPS
SW-716	-16 BACK STOPS



Material Key

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

## Tooling for The Assembly of 600 Series Hose

### Flaring Mandrel

Part No: GM100

Application :

The Mandrel is used to open the wire braid and bore of the PTFE ready for fitting the olive.



PART NO.	TO SUIT	COLOUR
GM102	600-02	BLUE
GM100	600-03	RED
GM104	600-04	GOLD

### Socket Plate

Part No: GP101

Application :

The socket plate is used to pull the socket over the wire braid and olive prior to final assembly. The socket plate saves time when used with multiple hose assemblies



PART NO.	TO SUIT
GP101	600-02
	600-03
	600-04

### Hand Operated Crimp Machine

Part No: SP-823

Description :

Hand Crimp Machine

To Suit Hose :

-3 and -4 600/700K series hose (without a die change)

Application :

The hand crimp machine is designed for low volume production crimping, and is self contained.

Please Note:

A larger fully automated hydraulic crimp machine and dies are available upon request



PART NO.
SP-823

### Universal Test Rig

Part No: SP-825

Application :

The universal test rig allows hose assemblies to be pressure tested at up to 10,000 psi. A compressed air supply is required. A 7/16"x 20 UNF female port is provided for connecting assemblies.



PART NO.
SP-825

## Hose Assembly Machine

Part No: SP824

### Application :

The pushing machine is designed for high volume assembly applications

To Suit Hose:

600-03 series hose

To Suit Fittings:

swage type fittings

### Please Note:

The Hose Assembly Machine can be adapted for other hose and fittings as required.



PART NO.

SP824

### A SHAFT ADAPTORS

The Hose assembly machine is supplied with shaft adaptors to enable the assembly of most -03 swage type fittings.

### Please Note:

Other shaft adaptors can be supplied to enable other fittings to be assembled e.g. power steering hose.

A



### B HOSE CLAMPS

### Application :

Hose clamp blocks to suit 600-03 hose are supplied with the machine.

### Please Note:

Other clamp blocks can be supplied on request, to enable assembly of other hose types. eg 600-03CL and 185 power steering hose.

B



## Crimper

Part No: GR30H

### Application :

The GR30H crimper is a self contained, hand operated hydraulic crimper used to crimp G-Line XF hose assemblies.

This versatile machine comes in a fitted steel box with enough space to store all the tooling and a full set of dies.

### Please Note:

Additional power alternatives available on request e.g. Electric pump or pneumatic foot operated pump. Hose and fittings as required



PART NO.

GR30H

## Crimper Die

Part No: SP800 series

### Application :

Crimper Die

To Suit:

Crimper GR30H

### Please Note:

Special dies for other applications are available on request




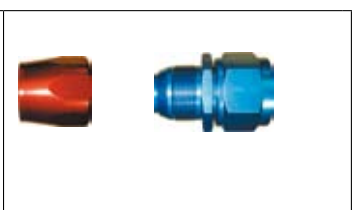
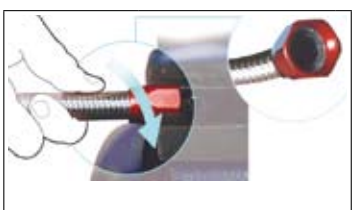
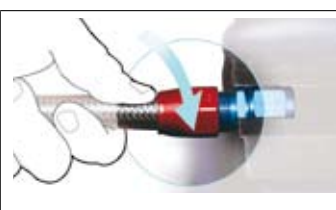
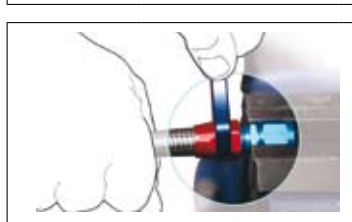

PART NO.	DIE	TO SUIT COLLAR
SP862	-04	RCC910-04
SP863	-06	RCC910-06
SP864	-08	RCC910-08
SP865	-10	RCC910-10
SP866	-12	RCC910-12
SP867	-16	RCC910-16



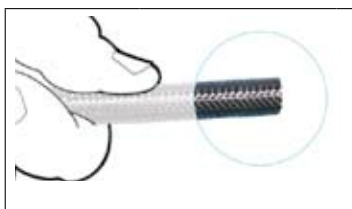

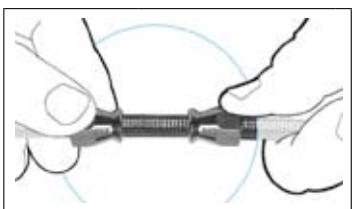





*Assembly Instructions and Technical Information*

**Section:10**

### Assembly Instructions for 136,236 & 336 Series Fittings & 200 Series Hose

			
<p><b>STEP 1</b></p> <p>Bind masking tape tightly around the hose at the required length and cut through using a fine tooth saw blade or cut off wheel, leaving tape on both ends so that it retains the braid. Clean any debris from both the cut ends and inside the hose</p>	<p><b>STEP 2</b></p> <p>SOCKET (RED) MAIN FITTING BODY (BLUE)</p> <p>On a clean flat surface disassemble the fitting. This consists of two parts.</p>	<p><b>Step 3</b></p> <p>Hold the socket in a smooth jaw vice and feed one end of the hose into the socket by turning clockwise and pushing until the hose finishes just behind the socket threads.</p>	<p><b>Step 4</b></p> <p>Holding the main fitting body in the vice, lubricate the thread and push the hose and socket over the nipple end and start to thread the socket onto the fitting by hand.</p>
			
<p><b>Step 5</b></p> <p>Finish tightening the socket onto the fitting using a good quality wrench until the socket is one full turn from the back of the of the fitting hex.</p>	<p><b>Step 6</b></p> <p>PRESSURE TEST.</p>		




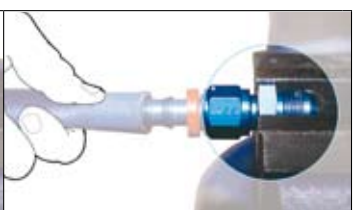

### Assembly Instructions for Re-usable 600 Series (PTFE Smooth Bore) Hose & Fittings

			
<p><b>Step 1</b></p> <p>Using a fine tooth saw blade or cut off wheel, cut hose to the required length. Clean any loose debris from both the cut ends and inside the hose</p>	<p><b>Step 2</b></p> <p>MAIN FITTING BODY - OLIVE - SOCKET On a clean flat surface disassemble the fitting, this consists of 3 parts, the Main fitting body, Olive and Socket..</p>	<p><b>STEP 3</b></p> <p>Push two sockets back to back over the overbraid working from the non flared end</p>	<p><b>STEP 4</b></p> <p>Using an appropriate sized Goodridge mandrel, flare out both ends of the stainless steel overbraid from the PTFE inner tube</p>
			
<p><b>STEP 5</b></p> <p>Push an olive onto each end of the PTFE inner tube under the stainless steel over braid by hand and finish off by pushing against a flat solid surface making sure the P.T.F.E tube is fully home in the olive.</p>	<p><b>STEP 6</b></p> <p>Holding the main fitting body in a smooth jaw vice, lubricate the thread and push the hose over the nipple end and start to thread the socket onto the fitting by hand.</p>	<p><b>STEP 7</b></p> <p>Finish tightening the socket onto the fitting with a good quality wrench until the socket is one full turn from the main fitting hex.</p> <p>PRESSURE TEST.</p>	<p>UNDER NO CIRCUMSTANCES SHOULD THE SOCKET BE LOOSENED IN AN ATTEMPT TO ADJUST THE ALIGNMENT AFTER ASSEMBLY</p>




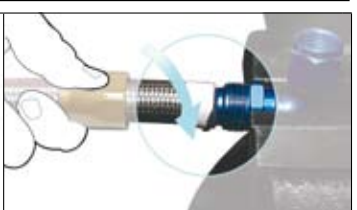
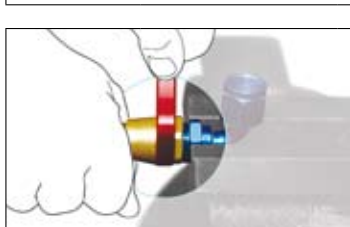
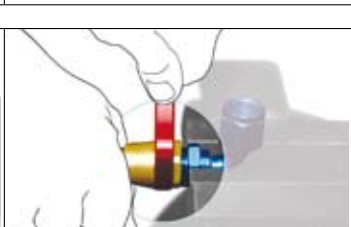

Material Key

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



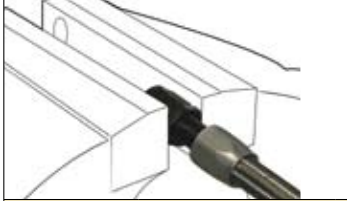



### Assembly Instructions for Tf-TU25 & 536 Hose & Push Fit Fittings

			
<p><b>STEP 1</b></p>	<p><b>STEP 2</b></p>	<p><b>STEP 3</b></p>	<p><b>STEP 4</b></p>
<p>Cut hose at the required length using a fine tooth saw blade or cut off wheel. Clean any loose debris from both the cut ends and inside the hose.</p>	<p>Hold the fitting in a bench vice, lubricate the fitting tail and inside the hose. (to make for easier fitting gently heat the hose with a hot air gun).</p>	<p>Push the hose over the fitting tail until it is tight behind the red hose finisher.</p> 	<p>Please Note: Straight female fittings require the use of a male adaptor during hose assembly to stop the fitting tail turning.</p>

### Assembly Instructions for 1001 G-Line Hose and Fittings

			
<p><b>STEP 1</b></p>	<p><b>STEP 2</b></p>	<p><b>STEP 3</b></p>	<p><b>STEP 4</b></p>
<p>Bind masking tape tightly around the hose at the required length and cut through using a fine tooth saw blade or cut off wheel, leaving tape on both ends so that it retains the braid.</p>	<p><b>THE SOCKET (GOLD) MAIN FITTING BODY (BLUE)</b> On a clean flat surface disassemble the fitting. This consists of two parts, the Socket and Main Fitting Body</p>	<p>Carefully push the socket (gold) over the hose leaving about 80mm of hose protruding from the threaded end.</p>	<p>Screw the PTFE liner hose clockwise onto the G-Line main body (blue) until its is two full turns from shoulder of the main body (see fig. 3)</p>
			
<p><b>STEP 5</b></p>	<p><b>STEP 6</b></p>		
<p>Hold the fitting securely in a vice and push the socket (gold) forward up to the threaded part of the fitting. Lubricate the thread and holding the hose firmly, start to thread the socket (gold) onto the fitting.</p>	<p>Tighten the socket (gold) using a good quality spanner until it is 3 to 4 full turns from the end of the thread, then releasing the hose tighten a further 2 full turns allowing the hose to rotate with the socket (gold).</p> <p><b>PRESSURE TEST</b></p>		
<p>Please Note: Make sure when threading that the hose is not turning with the socket.</p>	<p>Please Note: Under no circumstances should the socket be loosened in an attempt to adjust the alignment after assembly.</p>		

## Assembly Instructions for 811 Fittings & 811 Series Hose

			
<p><b>STEP 1</b></p>	<p><b>STEP 2</b></p>	<p><b>Step 3</b></p>	<p><b>Step 4</b></p>
<p>Remove socket from fitting.</p>	<p>Feed the hose into the socket with a turning motion, feeding the braid in as you turn the hose.</p>	<p>Hold the fitting in a vice with smooth or soft jaws, and lubricate the threads with a light oil.</p>	<p>Push the hose firmly onto the thread whilst rotating the hose.</p> <p>Keep turning the hose until the first three to four threads have engaged.</p>
			
<p><b>Step 5</b></p>	<p><b>Step 6</b></p>		
<p>Tighten socket using a spanner or adjustable, continue turning the socket until it reaches the base of the thread.</p>	<p>When the socket reaches the base of the thread keep turning for two complete turns.</p>		

**Material Key**

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

## Technical Information

### Hose Covering Application Guide

HOSE	FIRE SLEEVE	FLAMEGUARD	RAYCHEM	HEATSHRINK	RAYCHEM TO SEAL ENDS OF FG900
<b>600</b>					
600-02	FG900-03	EKC622-04	DR-25-1/4	HS760-02	
600-03	FG900-03	EKC622-04	DR-25-3/8	HS760-03	
600-04	FG900-03	EKC622-04	DR-25-3/8	HS760-03	
600-06	FG900-06	EKC622-04	DR-25-1/2	HS760-06	
600-08	FG900-08	EKC622-04	DR-25-1	HS760-06	

<b>510/810</b>					
HOSE	FIRE SLEEVE	FLAMEGUARD	RAYCHEM	HEATSHRINK	RAYCHEM TO SEAL ENDS OF FG900
510/810-04	FG900-04	EKC622-04	DR-25-1/2	HS760-06	DR-25-1
510/810-06	FG900-08	EKC622-08	DR-25-1	HS760-06	DR-25-1
510/810-08	FG900-12	EKC622-08	DR-25-1	HS760-10	DR-25-1
510/810-10	FG900-16	EKC622-08	DR-25-1	HS760-10	DR-25-3/2
510/810-12	FG900-16	EKC622-12	DR-25-3/2	HS760-12	DR-25-3/2
510/810-16	FG900-20	EKC622-16	DR-25-3/2	HS760-16	DR-25-3/2

HOSE	FIRE SLEEVE	FLAMEGUARD	RAYCHEM	HEATSHRINK	RAYCHEM TO SEAL ENDS OF FG900
<b>710/910</b>					
710/910-04	FG900-04	EKC622-04	DR-25-1/2	HS760-06	DR-25-1
710/910-06	FG900-08	EKC622-04	DR-25-1	HS760-06	DR-25-1
710/910-08	FG900-12	EKC622-08	DR-25-1	HS760-10	DR-25-1
710/910-10	FG900-16	EKC622-08	DR-25-1	HS760-10	DR-25-3/2
710/910-12	FG900-16	EKC622-08	DR-25-3/2	HS760-12	DR-25-3/2
710/910-16	FG900-20	EKC622-12	DR-25-3/2	HS760-16	DR-25-3/2

<b>200</b>					
HOSE	FIRE SLEEVE	FLAMEGUARD	RAYCHEM	HEATSHRINK	RAYCHEM TO SEAL ENDS OF FG900
200-04	FG900-04	EKC622-04	DR-25-1/2	HS760-06	
200-06	FG900-08	EKC622-04	DR-25-1	HS760-06	
200-08	FG900-08	EKC622-04	DR-25-1	HS760-06	
200-10	FG900-12	EKC622-08	DR-25-1	HS760-10	
200-12	FG900-12	EKC622-08	DR-25-1	HS760-12	
200-16	FG900-16	EKC622-12	DR-25-3/2	HS760-16	

### Common Thread Sizes

DASH SIZE	JIC/UNF	BSP	NPT	DASH SIZE	JIC/UNF	BSP	NPT	DASH SIZE	JIC/UNF	BSP	NPT
-02	5/16 X 24 UNF		1/16" X 27	-06	9/16 X 18 UNF	3/8" X 19	3/8" X 18	-16	1.5/16 X 12 UNF	1" X 11	1" X 11 1/2
-03	3/8 X 24 UNF	1/8" X 28	1/8" X 27	-07	5/8 X 18 UNF			-20	1.5/8 X 12 UNF	1 1/4" X 11	1 1/4" X 11 1/2
-04	7/16 X 20 UNF	1/4" X 19	1/4" X 18	-08	3/4 X 16 UNF	1/2" X 14	1/2" X 14	-24	1.7/8 X 12 UNF	1 1/2" X 11	1 1/2" X 11 1/2
-44	7/16 X 24 UNF			-10	7/8 X 14 UNF	5/8" X 14		-28	2.1/4 X 12 UNF	1 3/4" X 11	
-05	1/2 X 20 UNF			-12	1.1/6 X 12 UNF	3/4" X 14	3/4" X 14	-32	2.1/2 X 12 UNF	2" X 11	2" X 11 1/2

METRIC	THREAD	METRIC	THREAD	METRIC	THREAD	METRIC	THREAD
-21	8 X 1.00	-M121	12 X 1.00	-M16	16 X 1.50	-M26	26 X 1.50
-22	8 X 1.25	-M122	12 X 1.25	-M18	18 X 1.50	-M30	30 X 1.50
-31	10 X 1.00	-M12	12 X 1.50	-M20	20 X 1.50		
-32	10 X 1.25	-M142	14 X 1.25	-M22	22 X 1.50		
-35	10 X 1.50	-M14	14 X 1.50	-M24	24 X 1.50		

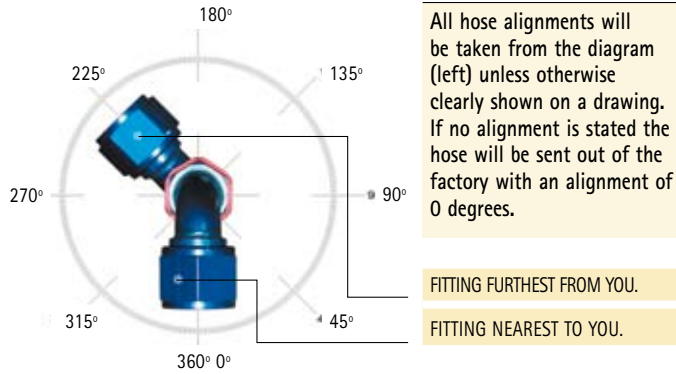
### Hose Length Tolerances

HOSE LENGTH	TOLERANCE
100MM TO 200MM	± 3MM
200MM TO 400MM	± 5MM
400MM TO 600MM	± 6MM
600MM TO 900MM +	± 1%

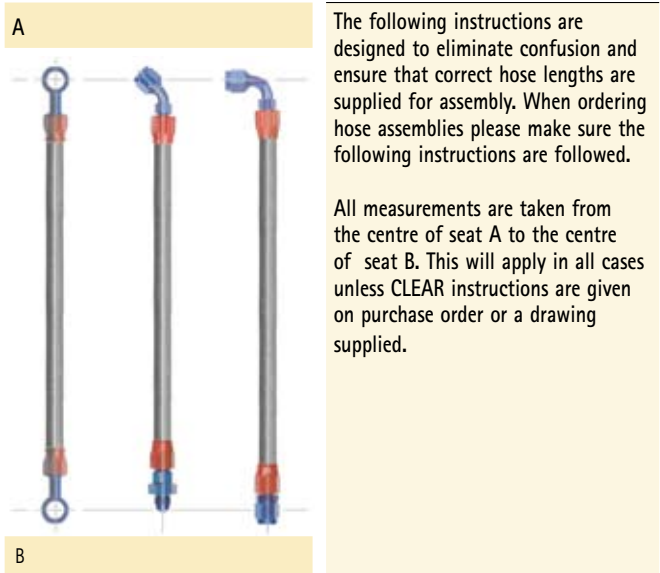
STANDARD GOODRIDGE HOSE TOLERANCES USED UNLESS OTHERWISE STATED.

## Technical Information

### Correct Alignments



### Correct Measurements



## Hose Assembly Instructions

#### Minimum Bend Radius

Wherever a hose assembly is used in either a static or dynamic flexing application, it is necessary to ensure that the centre line bend radius is not taken below the minimum bend radius for the hose.

#### Torsion

Hose assemblies should not be installed in such a manner that a torque loading is imposed, either during installation, or in subsequent use. Torque loading of the hose creates stresses in the hose, which can shorten the hose life, or cause the hose to collapse.

#### Hose Assembly

Whilst assembling the second end fitting, especially if it is a female union type or fitting, it is necessary to ensure that the final tightening of the nut does not also rotate the spigot, thus imposing the torque to the hose.

In the case of reusable fittings the hex on the body should be held with a spanner to prevent rotation.

#### Elbow Fittings

When the hose includes elbow fittings at both ends, it is important to ensure the correct alignment of the elbows relative to each other during hose manufacture. It is important to ensure that the hose is connected the right way round when installed. When the hose has an elbow at one end and a straight fitting the other end, always connect the elbow end first, to prevent possible mis-alignment.

#### Hose Installed Shape

In applications where the hose undergoes dynamic flexing, it is necessary to ensure that all bends in the hose are in one plane. A hose which is bent in two or more planes and then flexed is subject to torsional forces which may damage the hose.

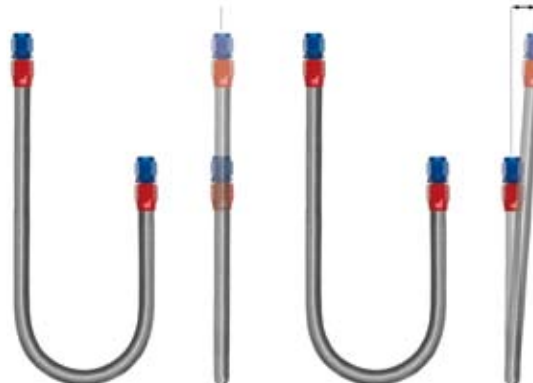
#### Damage

Any visible evident damage to the hose, such as broken strands of braid, or severe distortion of the hose, or damage to the end fittings is cause for the hose to be withdrawn from service. The cause of the damage should then be identified, and steps taken to ensure that it does not re-occur.



TRUE ALIGNMENT

AVOID THIS TWIST

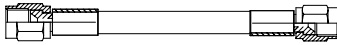




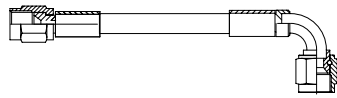
**Material Key**

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

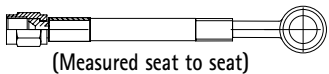
### Hose Assemblies -3



-03 AN FEMALE TO -03 AN FEMALE		
DOT P/N	RACING P/N	LENGTH
93110	3110	10"
93112	3112	12"
93114	3114	14"
93115	3115	15"
93116	3116	16"
93117	3117	17"
93118	3118	18"
93119	3119	19"
93120	3120	20"
93122	3122	22"
93124	3124	24"
93128	3128	28"
93132	3132	32"
93136	3136	36"
93140	3140	40"
93144	3144	44"
93148	3148	48"



-03 FEMALE TO -03 90° FEMALE TUBE		
DOT P/N	RACING P/N	LENGTH
93910	3910	10"
93912	3912	12"
93914	3914	14"
93915	3915	15"
93916	3916	16"
93917	3917	17"
93918	3918	18"
93919	3919	19"
93920	3920	20"
93922	3922	22"
93924	3924	24"
93928	3928	28"
93932	3932	32"
93936	3936	36"
93940	3940	40"
93944	3944	44"
93948	3948	48"



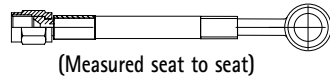
-03 AN FEMALE TO 12MM / 7/16 EXT NECK BANJO		
DOT P/N	RACING P/N	LENGTH
93512	3512	12"
93518	3518	18"
93520	3520	20"
93524	3524	24"
93536	3536	36"



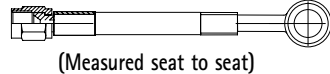
-03 AN FEMALE TO -03 45° FEMALE TUBE		
DOT P/N	RACING P/N	LENGTH
93410	3410	10"
93412	3412	12"
93414	3414	14"
93415	3415	15"
93416	3416	16"
93417	3417	17"
93418	3418	18"
93419	3419	19"
93420	3420	20"
93422	3422	22"
93424	3424	24"
93428	3428	28"
93432	3432	32"
93436	3436	36"
93440	3440	40"
93444	3444	44"
93448	3448	48"



-03 AN FEMALE TO 10MM / 3/8 NO NECK BANJO		
DOT P/N	RACING P/N	LENGTH
93212	3212	12"
93218	3218	18"
93220	3220	20"
93224	3224	24"
93236	3236	36"

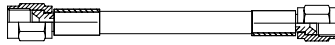


-03AN FEMALE TO 10MM / 3/8 EXT. NECK BANJO		
DOT P/N	RACING P/N	LENGTH
93312	3312	12"
93318	3318	18"
93320	3320	20"
93324	3324	24"
93336	3336	36"



-03 AN FEMALE TO 7/16 / 12MM EXT. NECK BANJO		
DOT P/N	RACING P/N	LENGTH
93612	3612	12"
93618	3618	18"
93620	3620	20"
93624	3624	24"
93636	3636	36"

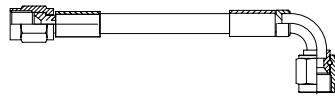
### Hose Assemblies -4 and Metric Assemblies



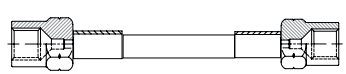
-04 FEMALE TO -04 FEMALE	
RACING P/N	LENGTH
3110	10"
3112	12"
3114	14"
3115	15"
3116	16"
3117	17"
3118	18"
3119	19"
3120	20"
3122	22"
3124	24"
3128	28"
3132	32"
3136	36"
3140	40"
3144	44"
3148	48"



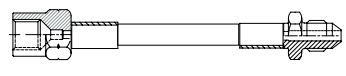
-04 FEMALE TO -04 45° TUBE	
RACING P/N	LENGTH
4410	10"
4412	12"
4414	14"
4415	15"
4416	16"
4417	17"
4418	18"
4419	19"
4420	20"
4422	22"
4424	24"
4428	28"
4432	32"
4436	36"
4440	40"
4444	44"
4448	48"



-04 FEMALE TO -04 90° TUBE	
RACING P/N	LENGTH
4910	10"
4912	12"
4914	14"
4915	15"
4916	16"
4917	17"
4918	18"
4919	19"
4920	20"
4922	22"
4924	24"
4928	28"
4932	32"
4936	36"
4940	40"
4944	44"
4948	48"



10MM X 1.0 CONCAVE FEMALE TO 10MM X 1.0 CONCAVE FEMALE		
DOT P/N	RACING P/N	LENGTH
93812	3812	12"
93818	3818	18"
93820	3820	20"
93824	3824	24"
93836	3836	36"

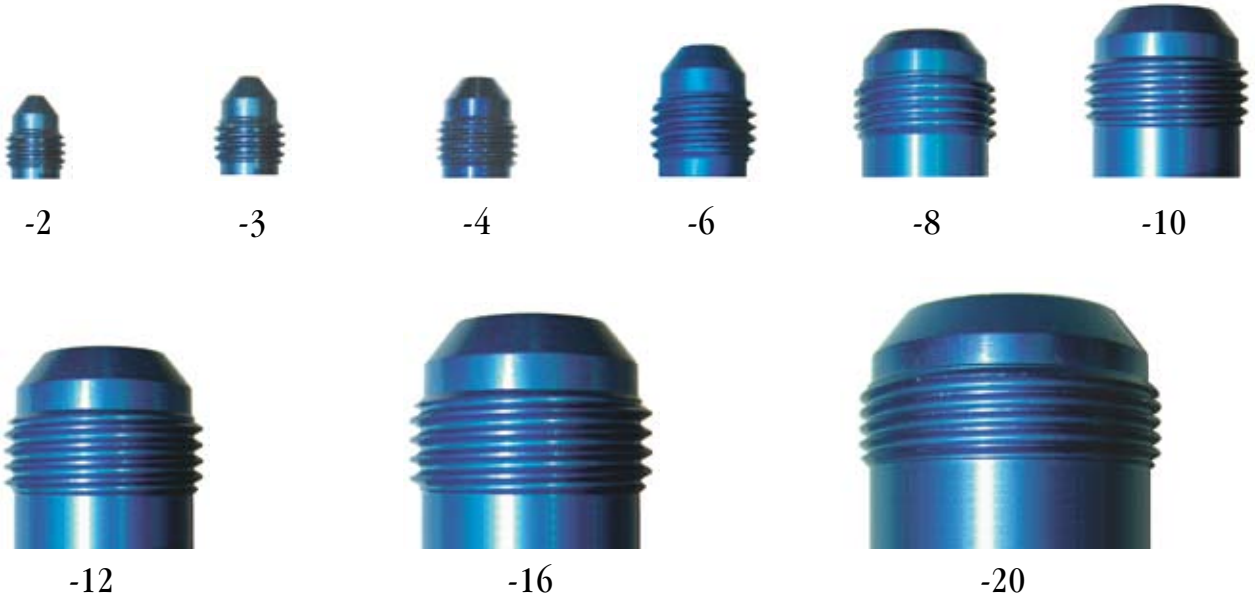


10MM X 1.0 CONC FEMALE TO 10MM X 1.0 CONC MALE		
DOT P/N	RACING P/N	LENGTH
93712	3712	12"
93718	3718	18"
93720	3720	20"
93724	3724	24"
93736	3736	36"

**Note:** If you do not find an assembly to meet your needs, we will custom make an assembly to any length and with any fitting configuration. Please call your Goodridge Sales Rep for assistance.

J.I.C. 37° (AN) Dash Size

---



N.P.T. Pipe Threads

---



B.S.P. Pipe Threads

---



## Index - continued overleaf

0100LIQ	79	236-01	46	445 / CW	82	536-45	53	710-04	11	811-90	17
015LIQ	79	236-01	47	446	27	536-90	53	710-06	11	812-45	17
135	68	236-120	47	446EXP	27	544	68	710-08	11	812-90	17
136-01	49	236-150	47	448	27	592	38	710-10	11	910-04	10
136-120	49	236-180	47	451	27	593	38	710-12	11	910-06	10
136-150	49	236-31	47	452	27	599	38	710-16	11	910-06FC	10
136-180	49	236-45	47	492	27	5070	29	710-20	11	910-08	10
136-45	49	236-60	47	4001	12	5091	28	741	66	910-08FC	10
136-90	49	236-90	47	4001DFL	16	5091	42	742	67	910-10	10
136	68	2203	71	4031DBZ	13	5092	28	743	66	910-12	10
148	69	2204	71	4045	12	5093	28	746	26	910-16	10
149	69	2776-06-M122D	48	4046	12	5094	29	748	26	919	62
185	71	2776-06-M12D	48	4046DBZ	13	5095	29	749	27	924	28
1001	18	2776-1106	48	4046DFL	16	5096	29	750	27	936	50
1012	35	2776-2106	48	4061DBZ	13	5097	29	754	27	945	67
1013	35	2776-3106	48	40776	13	5098	29	755	27	946	67
1045	18	301	67	4090	12	5099	29	756	26	992	35
1046	18	305	65	4091	12	5099S	29	756	27	992	70
1090	18	306	66	4091DBZ	13	5099S	33	757	27	992BN	36
1091	18	307	66	4091DFL	16	5130	29	758	26	993BN	36
1120	18	313	68	4120	12	5131	29	758	27	993	35
1136-01	48	314	69	4120DBZ	13	5132	29	759	26	9100	78
1136-120	49	315	68	4150	12	5134	28	759	27	AN804	60
1136-150	49	316	69	4150DBZ	13	5134	29	763	67	AN806	60
1136-180	49	318	28	4180	12	5135	29	764	66	AN814	60
1136-30	48	319	71	4180DBZ	13	5136	29	773	35	AN814SD	60
1136-45	48	321	28	4441	12	600 HOSE	25/41	773	38	AN815	60
1136-60	48	321SM	28	4445	14	660	38	773BN	36	AN816	64
1136-90	48	323	28	4446	14	6001	26	775	35	AN818	56
1150	18	331	28	4490	14	6001	42	775	70	AN818	60
1180	18	332	28	4491	14	6001VW	27	775BN	36	AN819	56
1205	28	336-45	46	44120	14	6045	26	776	70	AN819	60
1205	42	336-45	47	44150	14	6045	42	779	70	AN821	60
1206	28	336-90	46	44180	14	6046	26	7000	53	AN822	64
1206	42	336-90	47	510-04	11	6046	42	7001	53	AN823	64
1209	58	350	53	510-06	11	6090	26	811-01	17	AN824	61
1210	58	351	53	510-08	11	6090	42	811-04	10/17	AN824	62
10100	72	3556	52	510-10	11	6091	26	811-06	10/17	AN825	64
10120	72	440	26	510-12	11	6091	42	811-08	10/17	AN826	64
10125	72	441	26	510-16	11	6120	42	811-10	10/17	AN827	61
10324	72	442	27	536 HOSE	52	6150	42	811-12	10/17	AN832	61
10716	72	443	26	536	68	6180	42	811-120	17	AN833	61
10720	72	443BNP	26	536-01	53	6645	26	811-150	17	AN834	61
10916	72	444	27	536-120	53	6690	26	811-16	10	AN837	61
200 HOSE	46	445	27	536-150	53	700K HOSE	25	811-180	17	AN840	70
202 HOSE	50	445 / CUW	82	536-180	53	704	26	811-45	17	AN842	70

## Index - Continued

AN844	70	CPL-816	63	HL814	57	QDSPT12	20	S760	32	SP-800	90
AN871	61	CPL-823	63	HL821	57	RC/RP	78	S760	37	SP-823	89
AN894	62	CPL-824	63	HL822	57	RC110	14	S762	32	SP-824	90
AN910	64	CPL-826	63	HL823	57	RC600	30	S770	32	SP-825	89
AN911	65	CPL-900	63	HL824	58	RC600(MP)	43	S771	32	SS902	83
AN912	65	CPL-903/912	63	HL831	57	RC600(HP)	43	S772	32	SW	88
AN913	65	CW901- M16	48	HL836	56/57	RCC910	14	S816	32	SW100/ SW200	88
AN914	65	DR-25	76	HL837	57	RFH / RFHP	82	S5070	33	SW300	88
AN915	65	DW	83	HL841	57	S321	32	S5091	33	SW400/SW700	88
AN916	65	EKC622	77	HL843	57	S321SM	32	S5091	43	TFTU25	52
AN917	65	FB	69	HL844	58	S323	32	S5092	33	TEXTALU	77
AN919	62	FB/FS/FC	81	HL854	58	S331	32	S5092	43	TRL6	81
AN920	71	FCV	80	HP	76	S332	32	S5093	33	TRL7	81
AN921	71	FF-06 / FF-08	80	HS760	76	S440	30	S5093L	33	TRV67	81
AN922	71	FF572	80	K600	77	S441	30	S5093R	33	TY	76
AN924	61	FG900	77	LWD / TP598	74	S441	43	S5094	33	UJ	78
AN929	61	FHP	80	MCB (ALL)	40	S442	31	S5094R/L	33	VT3	52
AN932	65	FM10100	72	MCC (ALL)	40	S443	30	S5095	33	XLS5091	24
AN938	61	FM10125	72	MCHD-001	38	S445	31	S5097	33	XLS5094	24
AN950	62	FM10324	72	MCHD-002	37	S445-01	31	S5098	33	XLS5095	24
AN951	62	FM10716	72	MCHD-003	38	S445-20	31	S5099	33	XLS5135	24
AN971	61	FP190	71	MCHD-004	38	S445-45	31	S5099S	33	XLS6001	24
AW760	79	FP191	71	MCHD-005	38	S445-90	31	S5132	33	XLS6046	24
BF2504 / BF5004	79	FP192/193	71	MCHD-006	38	S446	31	S5135	33	XLS6090	24
BL775	38	FP194 TO 197	71	MCHD-007	37	S446EXP	31	S5136	33	XLS6091	24
BL775	35	FRP	78	MCHD-010C	37	S448-31	31	S5137	33	XLS6120	24
BL992	35	G105A	37	MCHD-011	37	S449	30	S5138	33	XLS7001	24
BL993	35	G106A	37	MCHD-015	37	S451	31	S6001	30	XLS7046	24
BLT-301/311	34	G107	37	MCHD-016	37	S452	31	S6001	31	XLS7091	24
BLT-302/312	34	G115	37	MCHD-017C	38	S492	31	S6001	43	XLS7100	24
BN506	36	GA	69	MCHD-024	38	S646	38	S6045	30		
BN507	36	GM100	89	N1400	56	S666	38	S6045	31		
BN508	36	GP101	89	N8000	56	S690	38	S6046	30		
BN510	36	GR30H	90	OC / 1098	75	S691	38	S6046	43		
BN704	36	HD0100CH	39	OIL COOLERS	84	S745	32	S6090	30		
BN-CAP	36	HD0103CH	39	OR6290	74	S746	30	S6090	31		
BNSB	36	HD0200CH	39	OTP / OTB	81	S747	30	S6091	30		
BTL-300/310	34	HD0203CH	39	PHS	75	S748	30	S6091	43		
BTL-303/313	34	HD4203CH	39	PLCC	74	S749	31	S6120	43		
BTL-304/314	34	HD4503CH	39	PLWG	75	S750	31	S6150	43		
BTL-305/315	34	HD9003CH	39	PV72	81	S754	32	S6150	38		
BTL-306/316	34	HD9203CH	39	QD588	75	S755	32	S6180	43		
BTL-307/317	34	HDFL-005	39	QDSPH03/04	20	S756	30	SB / EB	82		
BTL-308/318	34	HL591	58	QDSPH06	20	S757	32	SMCHD-002	37		
CAB	69	HL598	58	QDSPH08	20	S758	32	SP-202	37		
CPL	63	HL811	57	QDSPT	20	S759	32	SP-203	37		

---

**Discount Structure**

**Key Contacts**

---

Mainline	%	
Gline	%	
Kits	%	
Ancillary	%	

---

Notes

---

---

Notes

---

---

Notes

---

---

Notes

---