

AH02 Series

AH02 Hose

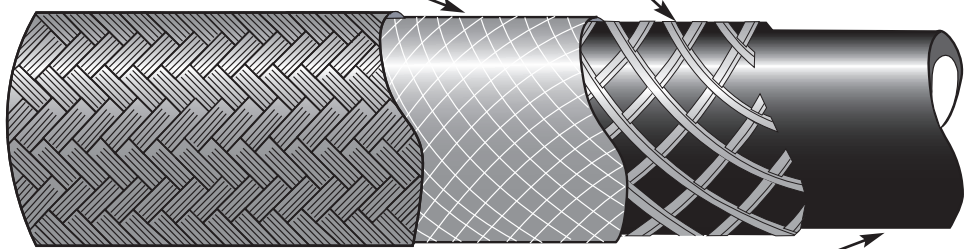
The Leno Mesh Layer:

Embeds into the hose wall during the curing process, trapping the reinforcing braid and forming an extra-strength bond.

The Middle Layer:

A partial stainless reinforcing braid, embedded in the tube wall, resists pullout and vacuum collapse while increasing pressure capability.

Beware of lesser quality hose with poor adhesion or weaker textile inner braid. There is a difference.



The Outer Layer:

A high tensile stainless steel outer braid with superior adhesion provides maximum pressure capability, abrasion protection and ease of assembly.

The Inner Layer:

High temp seamless CPE synthetic elastomer inner tube.

Manufactured using aerospace Rigid Mandrel Technology.

Type AH02 Rubber/Stainless Braided Racing Hose

AH02 series hose is an extremely flexible full competition race hose. Externally the hose is protected from abrasion and corrosion by its 304 HC outer braiding. The compact nature of the braid construction ensures a tight bend radius, an important feature often demanded by many motorsport applications. Its high grade synthetic rubber innercore provides excellent compatibility with fuels, oils, coolants, lubricants, hydrocarbons and alcohol's.

A large selection of end fittings are available for AH02 hose, details of which can be found on the following pages.

Also available to suit all hose is our "XRP Fire Sleeve" for added protection against heat and abrasive surfaces.

- Inner Core: Seamless synthetic Rubber compound
- Re-enforcement: Stainless Steel wire braid consisting of partial inner braid & full cover outer braiding to AISI 304
- Temperature Range: -54°C to +150°C (-65°F to 300°F)
- Fittings: Re-usable
- Applications: Fuel, Oil & Coolant Systems
- Due to continual hose development specification may vary from above

Code	Internal Diameter (mm)	Outside Diameter (mm)	Operation G Pressure (PSI)	Min. Burst Pressure E (PSI)	Minimum Bend Radius (mm)	Weight (g/m)
AH02-04	5.5	11.6	1000	6000	50	169
AH02-05	7	12.9	1000	6000	57	214
AH02-06	9	14.5	1000	6000	65	230
AH02-08	11	16.8	1000	5000	90	250
AH02-10	14	20.8	1000	5000	100	305
AH02-12	17.5	24.3	1000	4000	115	420
AH02-16	22	29.7	750	3000	140	560
AH02-20	29	36.8	500	2000	200	720



Material Identification:

Z = Zinc Plated Mild Steel EN = Electroless Nickel Plated Mild Steel HC = Stainless Steel D = Aluminium TI = Titanium Alloy B = Brass

Order by Phone +44 (0) 121 525 5800

AH02 Hose Fittings

2024 aluminium alloy swivel nuts and cutters T851 heat treated for longer life.

Exclusive massive double angled seat area provides line contact sealing. Eliminates torque-induced cracking common to lightweight flared tube designs.

Stainless steel lock wires, dry film lubed with moly to prevent galling.

Our exclusive dual radial Viton O-Ring seals. (Seals #2 and #3)

Recessed area on nipple for truer fit.

Tapered nipple is easy to assemble. (Seal #1)

Piloted nipple and cutter keeps hose concentric to cutter for a better seal.

Cutter and nipple separates wire braid for maximum hose retention.

6061-T651 aluminium sockets prevent stress cracking.

US Patent No 5,340,168.



XRP Performance Hose Fittings

XRP Performance Alloy Hose Fittings are manufactured in the USA to a design based upon the aerospace 'cutter' format. This style of fitting was designed by the Aircraft & Military Industries to ensure perfect sealing when the fitting is assembled and also to prevent 'blow off' when a hose assembly is working under full pressure.

The fittings are manufactured from specially heat treated 2024-T851 (to QQA225/6) and 6061-T651 (to QQA225/8) alloys.

XRP Dual Sealing adjustable alloy hose fittings are the optimum choice for the professional motorsport team. They are manufactured from the same high specification alloys and possess all the same features as the XRP standard range, but Dual Sealing fittings incorporate an exclusive two stage Viton 'O'-Ring sealing design. When a hose assembly is made using Dual Sealing fittings, full 360° adjustability is available without fluid seepage that sometimes occurs in other adjustable fitting designs.

The XRP Dual Sealing System is available in swept fittings (45° through to 180°) and also in block forged (45° and 90°).

- Swivel nuts & cutters manufactured from 2024 Aluminium Alloy specially heat treated to T851 to provide higher strength thread durability while minimising cutter collapse
- Cutter & nipple design separates wire braid gripping area from the lip seal to provide maximum hose retention and sealing
- Exclusive Dual Viton 'O'-Ring seals for fail safe sealing and adjustability
- Piloted nipple & cutter reduces wobble and prevent uneven cutting of the hose wall during assembly
- Stainless Steel lock wires, dry film lubed with moly to prevent galling
- Recessed area on nipple to allow easier disassembly and maximum reusability of hose ends
- Tapered nipple design to ease assembly and prevent cutting of the hose bore
- Sockets manufactured from 6061-T651 Aluminium to prevent stress cracking

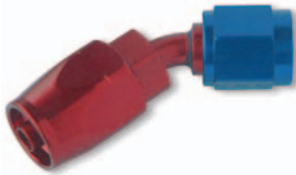
AH02 Series

AH02 Hose Fittings – continued



Straight Swivel Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-000-04	7/16 x 20	-4	D
HE-000-06	9/16 x 18	-6	D
HE-000-08	3/4 x 16	-8	D
HE-000-10	7/8 x 14	-10	D
HE-000-12	1-1/16 x 12	-12	D
HE-000-16	1-5/16 x 12	-16	D
HE-000-20	1-5/8 x 12	-20	D



45° Swept Swivel Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-045-04	7/16 x 20	-4	D



90° Swept Swivel Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-090-04	7/16 x 20	-4	D



45° Dual Sealing Adjustable Swept Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-045-06S	9/16 x 18	-6	D
HE-045-08S	3/4 x 16	-8	D
HE-045-10S	7/8 x 14	-10	D
HE-045-12S	1-1/16 x 12	-12	D
HE-045-16S	1-5/16 x 12	-16	D
HE-045-20S	1-5/8 x 12	-20	D



90° Dual Sealing Adjustable Swept Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-090-06S	9/16 x 18	-6	D
HE-090-08S	3/4 x 16	-8	D
HE-090-10S	7/8 x 14	-10	D
HE-090-12S	1-1/16 x 12	-12	D
HE-090-16S	1-5/16 x 12	-16	D
HE-090-20S	1-5/8 x 12	-20	D



120° Dual Sealing Adjustable Swept Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-120-06S	9/16 x 18	-6	D
HE-120-08S	3/4 x 16	-8	D
HE-120-10S	7/8 x 14	-10	D
HE-120-12S	1-1/16 x 12	-12	D
HE-120-16S	1-5/16 x 12	-16	D



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150° Dual Sealing Adjustable Swept Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-150-06S	9/16 x 18	-6	D
HE-150-08S	3/4 x 16	-8	D
HE-150-10S	7/8 x 14	-10	D
HE-150-12S	1-1/16 x 12	-12	D
HE-150-16S	1-5/16 x 12	-16	D



90° Dual Sealing Adjustable Forged Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-090-06SF	9/16 x 18	-6	D
HE-090-08SF	3/4 x 16	-8	D
HE-090-10SF	7/8 x 14	-10	D
HE-090-12SF	1-1/16 x 12	-12	D



180° Dual Sealing Adjustable Swept Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-180-06S	9/16 x 18	-6	D
HE-180-08S	3/4 x 16	-8	D
HE-180-10S	7/8 x 14	-10	D
HE-180-12S	1-1/16 x 12	-12	D
HE-180-16S	1-5/16 x 12	-16	D



45° Dual Sealing Adjustable Forged Female

Code	JIC/UNF Thread	Hose Dash Size	Material
HE-045-06SF	9/16 x 18	-6	D
HE-045-08SF	3/4 x 16	-8	D
HE-045-10SF	7/8 x 14	-10	D
HE-045-12SF	1-1/16 x 12	-12	D



Alloy Hose Finishers

Code	Hose Dash Size
<i>Red</i>	
PC04	4
PC06	6
PC08	8
PC10	10
PC12	12
PC16	16
<i>Blue</i>	
PC04B	4
PC06B	6
PC08B	8
PC10B	10
PC12B	12
PC16B	16
<i>Chrome</i>	
PC4C	4
PC6C	6
PC8C	8
PC10C	10
PC12C	12



AH02 Series and Hardline

Carburetor Kits from XRP



Other kits available. Please contact the sales office for details.



3/8 Female NPT Inlet

Includes 2pcs Code 700106 -6 male to 7/8-20 Holley Carb Adaptors

Swept Tube Fuel Link Kits for Dual Feed Holleys

Code	Description
730008	Swept Tube Kit with Female -8 AN Inlet tapped with 1/8" NPT for fuel pressure gauge takeoff
734508	As above to fit 4500 Models only – Dominators
730388	Swept Tube Kit with Female 3/8 NPT Inlet tapped with 1/8" NPT for fuel pressure gauge takeoff
734588	As above to fit 4500 Models only – Dominators



For Air Cleaner Restrictions

Bottom Feed optional

Competition style forged fuel line kits for Dual Feed Holleys

Code	Description
731046	Competition style Forged Kit W/Male -6 AN Inlet and Male -4 return for fuel pressure gauge
731047	As for 731046 but with Dual Filtered Inlet Legs
745146	As for 731046 to fit 4500 models only – Dominators
745147	As for 745146 Dominators but with Dual Filtered Inlet Legs
731048	Competition style Forged Kit W/Male -8 AN Inlet and Male -4 Return for fuel pressure gauge
731049	As for 731048 but with Dual Filtered Inlet Legs
745188	As for 731048 to fit 4500 Models only – Dominators
745189	As for 745188 Dominators but with Dual Filtered Inlet Legs
731148	Bottom Feed Forged Kit with Male -8 AN Inlet and Male -4 Return for fuel pressure gauge
731149	As for 731148 but with Dual Filtered Inlet Legs

Material Identification:

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Hardline Tubing



Coated Aluminium Tube

Hardline Tube

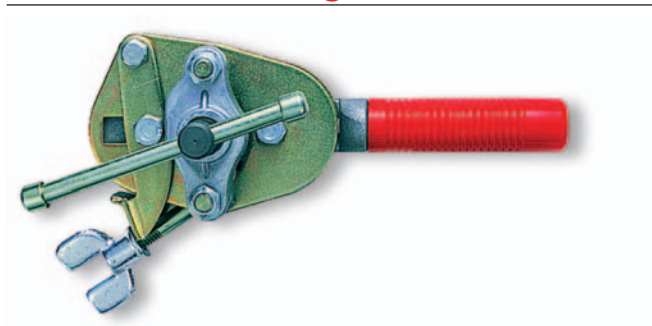
The incorporation of the PA 12 coating and 1AlMn 1 Aluminium Tube have created a new automotive standard.

The advantages include:

1. Type F offers hand manipulation without the need of a Tube Bender.
 2. High resistance to wear, abrasion, corrosion and impact damage.
 3. Weight saving over conventional tube and hose.
 4. The PA 12 coating has excellent adhesion to the tube. The coating will not chip, peel or flake.
 5. Excellent Bend Radius as shown in the data table.
 6. Smooth bore for a low friction coefficient.
- Construction:
 - Tube - Seamless Drawn Aluminium Tube (AlMn 1) to DIN 1725
 - Coating - Polyamide 12 (Pa12)
 - Temperature Range: -40°C to +155°C (-40°F to +310°F)
 - Couplings: JLS Compression Fittings or AN 37° Flare Fittings
 - Applications: Fuel, Oil, Air Jack Systems, Fire Extinguisher, Power Steering, Cooling Lines & Breathers

Code	Tube O.D. (inches)	Wall Thickness (inches)	Burst Pressure (PSI)	Bend Radius (mm)	AN Size Centreline	Weight (g/m)
LP060100150	6.0mm	1.0mm	6335	7.8	-	38.1
FLP06100150	3/8	0.039	3739	13.2	6	64.7
LP080100150	8.0mm	1.0mm	6985	10.7	-	53.7
LP100100150	10.0mm	1.0mm	3538	13.5	-	82.6
LP120100150	12.0mm	1.0mm	2898	16.7	-	84.7

Hardline Tooling



Tube Flarer

Hardline Tube

To Suit Tube Sizes 1/8", 3/16", 1/4", 3/8", 7/16", 1/2", 5/8" and 3/4".

Code

212FB