



## HARDLINE - STAINLESS STEEL TUBE & FITTINGS

When the strength and rigidity of a hardline is required in a high pressure application, look to our HL836 Series. The perfect complement 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.

**Applications:** Perfect for brake systems and other high pressure fluid transfer applications.



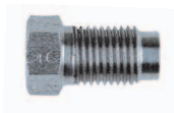
PART NO	MM	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
HL836-03C	3.36	0.138	0.72	0.028	4.8	3/16	350	5000	1050	15000	0.071	0.05	15.00	0.591



## HARDLINE -03C STAINLESS STEEL FITTINGS

**Material:** Stainless Steel (C)

818-03C & 819-03C to be used together.



N8426

→ MALE TUBE NUT

PART NO	MATERIAL	JIC/UNF THREAD
N8426	C	3/8 x 24



AN818

→ FEMALE TUBE NUT (TO BE USED WITH 819)

PART NO	MATERIAL	JIC/UNF 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

• AVAILABLE IN MULTIPLES OF 3 METRES ONLY



## HARDLINE ALUMINIUM TUBE & RE-USABLE ALUMINIUM FITTINGS

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.

**Please Note:** Available in multiples of 4 metre lengths for overseas shipping. Available in multiples of 3 metre lengths for UK mainland.

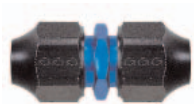
**Applications:** Airjacks and Fuel Systems.



PART NO	MM	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	KG/M	LB/FT	MM	IN
HL836-04D	6.0	0.197	1.00	0.039	8.00	0.315	95	1415	290	4248	0.059	0.04	15.00	0.591
HL836-06D	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


**HL811**

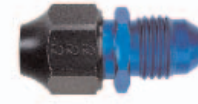
→ COUPLER

PART NO	O.D. MM	INS
HL811-04D	8	0.315
HL811-06D	10	0.394


**HL821**

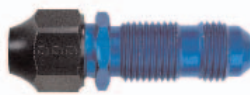
→ STRAIGHT FEMALE SWIVEL

PART NO	O.D. MM	INS	JIC/UNF
HL821-04D	8	0.315	7/16 x 20
HL821-0406D	8	0.315	9/16 x 18
HL821-06D	10	0.394	9/16 x 18


**HL831**

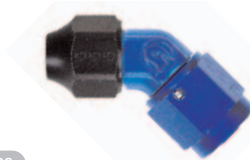
→ STRAIGHT MALE

PART NO	O.D. MM	INS	JIC/UNF
HL831-04D	8	0.315	7/16 x 20
HL831-0406D	8	0.315	9/16 x 18
HL831-06D	10	0.394	9/16 x 18


**HL841**

→ STRAIGHT MALE BULKHEAD

PART NO	O.D. MM	INS	JIC/UNF
HL841-04D	8	0.315	7/16 x 20
HL841-0606D	8	0.315	9/16 x 18
HL841-06D	10	0.394	9/16 x 18


**HL822**

→ 45° FEMALE SWIVEL

PART NO	O.D. MM	INS	JIC/UNF
HL822-04D	8	0.315	7/16 x 20
HL822-0406D	8	0.315	9/16 x 18
HL822-06D	10	0.394	9/16 x 18


**HL823**

→ 90° FEMALE SWIVEL

PART NO	O.D. MM	INS	JIC/UNF
HL823-04D	8	0.315	7/16 x 20
HL823-0406D	8	0.315	9/16 x 18
HL823-06D	10	0.394	9/16 x 18



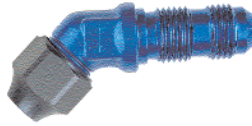
ALUMINIUM HARDLINE FITTINGS 04/06D Continued



HL843

→ 90° MALE BULKHEAD

PART NO	O.D. MM	INS	JIC/UNF
HL843-04D	8	0.315	7/16 x 20
HL843-0406D	8	0.315	9/16 x 18
HL843-06D	10	0.394	9/16 x 18



HL842

→ 45° MALE BULKHEAD

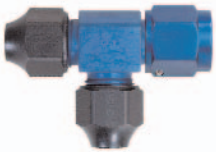
PART NO	O.D. MM	INS	JIC/UNF
HL842-04D	8	0.315	7/16 x 20
HL842-0406D	8	0.315	9/16 x 18
HL842-06D	10	0.394	9/16 x 18



HL814

→ TEE PIECE

PART NO	O.D. MM	INS
HL814-04D	8	0.315
HL814-06D	10	0.394



HL824

→ TEE PIECE w/SWIVEL FEMALE on run

PART NO	O.D. MM	INS	JIC/UNF
HL824-04D	8	0.315	7/16 x 20
HL824-0406D	8	0.315	9/16 x 18
HL824-06D	10	0.394	9/16 x 18



HL844

→ TEE PIECE WITH MALE BULKHEAD ON LEG

PART NO	O.D. MM	INS	JIC/UNF
HL844-04D	8	0.315	7/16 x 20
HL844-0406D	8	0.315	9/16 x 18
HL844-06D	10	0.394	9/16 x 18



HL854

→ TEE PIECE WITH FEMALE SWIVEL ON LEG

PART NO	O.D. MM	INS	JIC/UNF
HL854-04D	8	0.315	7/16 x 20
HL854-0406D	8	0.315	9/16 x 18
HL854-06D	10	0.394	9/16 x 18



HL891

→ STRAIGHT BANJO

PART NO	O.D. (MM)	(INS)	HOLE SIZE (MM)	(INS)
HL891-04D	8	0.315	11.11	7/16
HL891-0406D	8	0.315	14.29	9/16
HL881-06D	10	0.394	14.29	9/16



HL598

→ DOUBLE TAKE OFF STRAIGHT BANJO

PART NO	O.D. (MM)	(INS)	HOLE SIZE (MM)	(INS)
HL598-04D	8	0.315	11.11	7/16
HL598-0406D	8	0.315	14.29	9/16
HL598-06D	10	0.394	14.29	9/16

1210

→ REPLACEMENT SOCKET

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

1209

→ REPLACEMENT OLIVE

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