

One-Stop Auto And Motorcycle Modification Parts Supplier

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HaoFa Racing
PERFORMANCE

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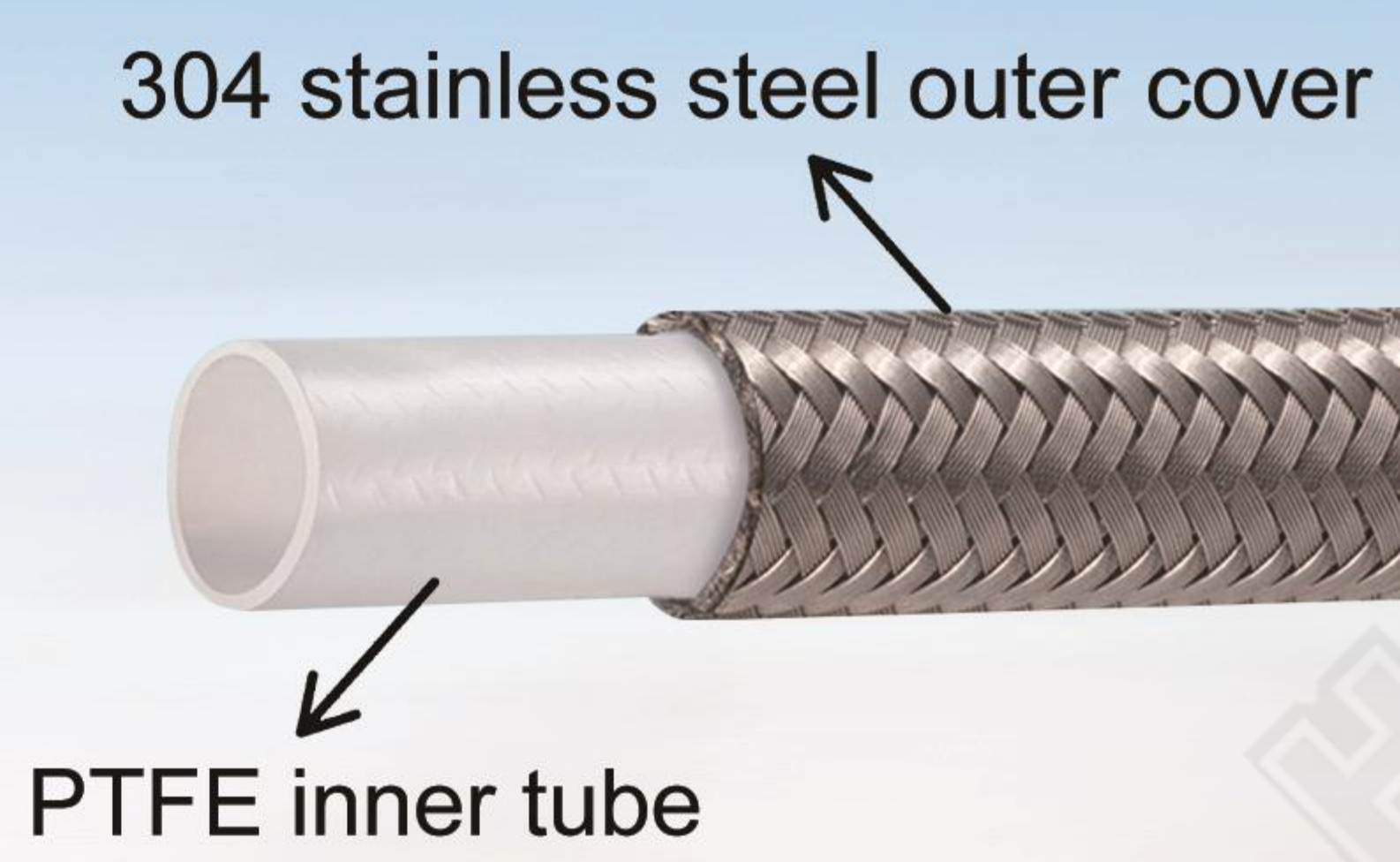
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>> BRAIDED HOSE

● PTFE Stainless Steel Braided Hose

Stainless Steel Braided Hose is a ture double braided stainless hose that uses the highest quality stainless wire available in the world.

- Constructed with a stainless steel outer braid that resists abrasion and corrosion
- Combined with a reinforced PTFE synthetic rubber liner with a nylon inner braid.
- For use with fuel systems, merhanol, oils, lubricants, coolant systems and vacuum applications.
- Minimum temperature -60°C, maximum the temperature 260°C.



Part No	AN	I.D.	O.D.	W.P.	B.P.	M.B.R.	Temperature	
		mm	mm	psi	psi	mm	min	max
HF-3203	-3	3.56	6.35	4000	12000	50.8	-60°C ~ 260°C	
HF-3204	-4	4.83	8	4000	12000	63.5	-60°C ~ 260°C	
HF-3206	-6	8.13	10.92	3000	10000	88.9	-60°C ~ 260°C	
HF-3208	-8	10.67	13.72	2500	8000	101.6	-60°C ~ 260°C	
HF-3210	-10	12.95	16	2000	6000	114.3	-60°C ~ 260°C	
HF-3212	-12	16.26	19.3	1000	4000	139.7	-60°C ~ 260°C	

● Stainless Steel Braided Rubber Hose

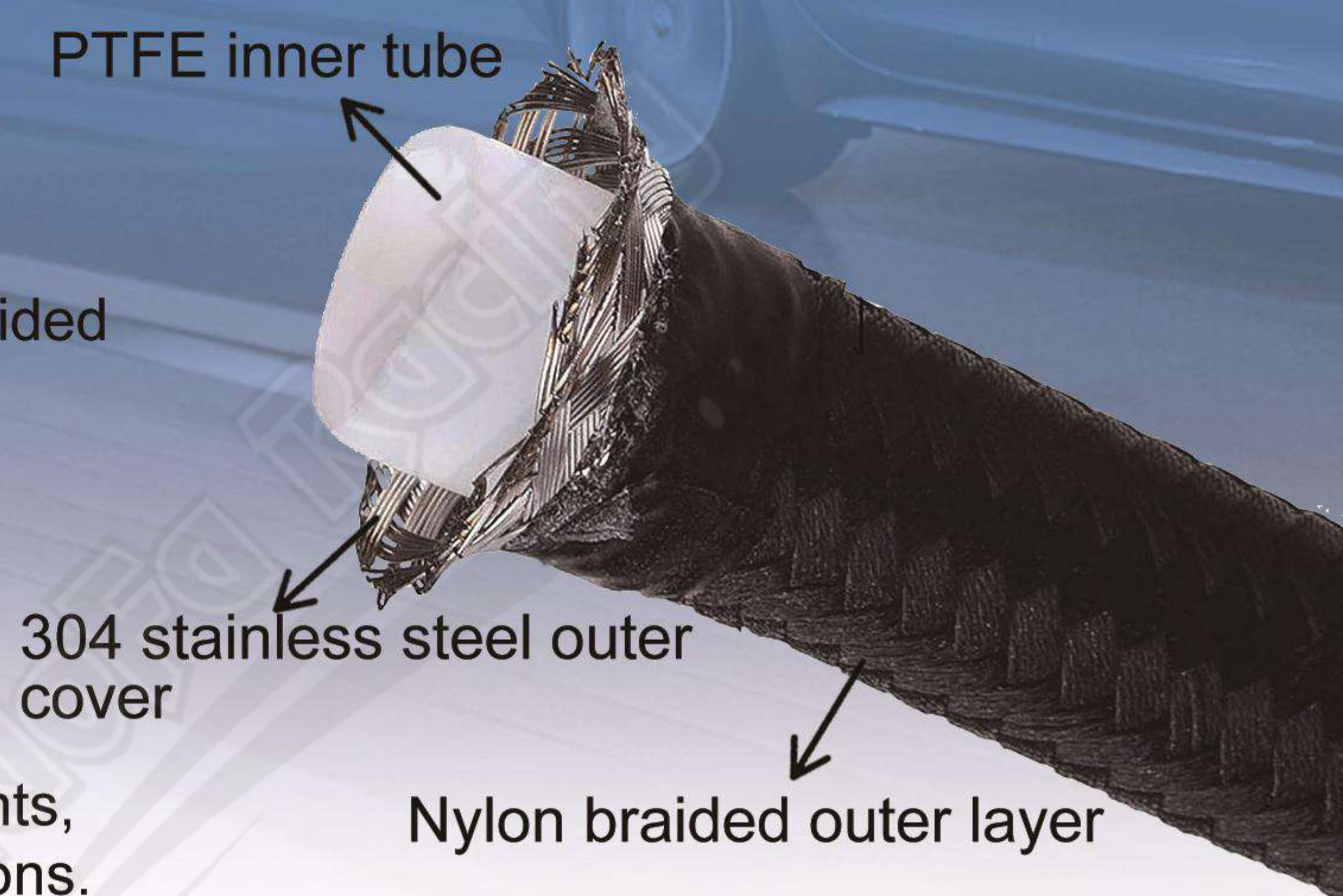


Part No	AN	I.D.	O.D.	W.P.	B.P.	M.B.R.	Temperature	
		mm	mm	psi	psi	mm	min	max
HF-3004	-4	5.56	11.13	1015	6090	50.8	-40°C ~ 120°C	
HF-3006	-6	8.73	13.89	1015	6090	63.5	-40°C ~ 120°C	
HF-3008	-8	11.12	16.28	1015	5075	88.9	-40°C ~ 120°C	
HF-3010	-10	14.27	20.24	1015	5075	101.6	-40°C ~ 120°C	
HF-3012	-12	17.47	23.82	1015	3813	114.3	-40°C ~ 120°C	
HF-3016	-16	22.22	29.96	754	2537	126.2	-40°C ~ 120°C	
HF-3020	-20	28.5	35.81	754	2537	139.7	-40°C ~ 120°C	

● PTFE nylon braided hose

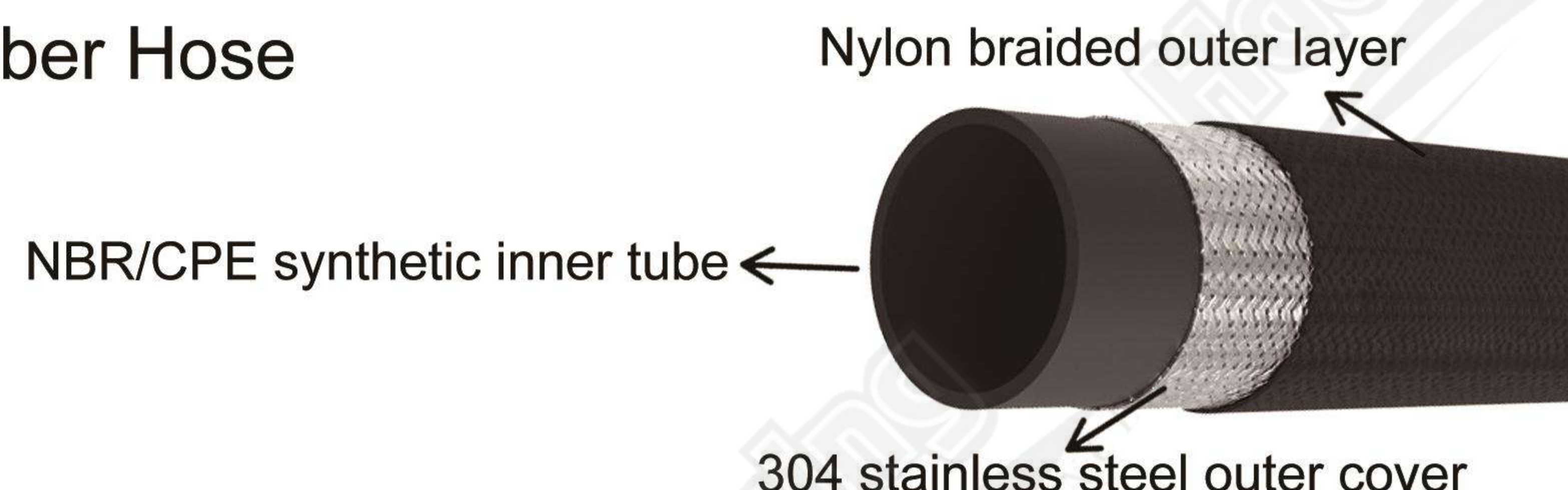
Series hose is for performance and racing enthusiasts who want high quality light weight hose that is easier to assemble than traditional braided steel hose.

- Constructed with a braided nylon outer shield for abrasion resistance.
- A flexible stainless steel inner core for superior strength embedded in the PTFE synthetic rubber liner.
- For use with fuel systems, methanol, oils, lubricants, E85, E10, coolant systems and vacuum applications.
- Minimum temperature -60°C~260°C.



Part No	AN	I.D.	O.D.	W.P.	B.P.	M.B.R.	Temperature	
		mm	mm	psi	psi	mm	min	max
HF-3304	-4	4.83	8	4000	12000	63.5	-60°C ~ 260°C	
HF-3306	-6	8.13	10.92	3000	10000	88.9	-60°C ~ 260°C	
HF-3308	-8	10.67	13.72	2500	8000	101.6	-60°C ~ 260°C	
HF-3010	-10	12.95	16	2000	6000	114.3	-60°C ~ 260°C	
HF-3312	-12	16.26	19.3	1000	4000	139.7	-60°C ~ 260°C	

● Nylon Braided Rubber Hose



Part No	AN	I.D.	O.D.	W.P.	B.P.	M.B.R.	Temperature	
		mm	mm	psi	psi	mm	min	max
HF-3104	-4	5.56	11.17	500	2000	50.8	-40°C ~ 120°C	
HF-3106	-6	8.71	14.22	500	2000	63.5	-40°C ~ 120°C	
HF-3108	-8	11.13	17.2	500	2000	88.9	-40°C ~ 120°C	
HF-3110	-10	14.29	20.83	500	2000	101.6	-40°C ~ 120°C	
HF-3112	-12	17.46	24.38	500	2000	114.3	-40°C ~ 120°C	
HF-3116	-16	22.22	29.96	348	1392	126.2	-40°C ~ 120°C	
HF-3120	-20	28.5	36.53	348	1392	139.7	-40°C ~ 120°C	

>> ALUMINIUM TUBE

HaoFa performance has introduced a new range of quality universal aluminium bends. Our mandrel bends are premium quality T6063 grade aluminium. our bends are perfect for intercooler, turbocharger, supercharger and intake pipes. these pipes will not corrode or rust like coated or painted steel pipes and are much lighter then stainless pipes. HAOFa aluminium, when welding produces contaminant free beads, for a show quality welding job!

NOTE: hose sizes are approximate and may vary. The length can be customized according to your requirements .



PART NO.	O.D.	THICKNESS	DEGREE
HF2201-01-00	50mm	2mm	STR(length 500mm)
HF2201-02-00	60mm	2mm	STR(length 500mm)
HF2201-03-00	70mm	2mm	STR(length 500mm)
HF2201-04-00	80mm	2mm	STR(length 500mm)
HF2201-05-00	101.6mm	2mm	STR(length 500mm)

PART NO.	O.D.	THICKNESS	DEGREE
HF2201-01-30	50mm	2mm	30°(length 324mm)
HF2201-02-30	60mm	2mm	30°(length 324mm)
HF2201-03-30	70mm	2mm	30°(length 324mm)
HF2201-04-30	80mm	2mm	30°(length 324mm)
HF2201-05-30	101.6mm	2mm	30°(length 324mm)



PART NO.	O.D.	THICKNESS	DEGREE
HF2201-01-45	50mm	2mm	45°(length 344mm)
HF2201-02-45	60mm	2mm	45°(length 344mm)
HF2201-03-45	70mm	2mm	45°(length 344mm)
HF2201-04-45	80mm	2mm	45°(length 344mm)
HF2201-05-45	101.6mm	2mm	45°(length 344mm)

PART NO.	O.D.	THICKNESS	DEGREE
HF2201-01-60	50mm	2mm	60°(length 365mm)
HF2201-02-60	60mm	2mm	60°(length 365mm)
HF2201-03-60	70mm	2mm	60°(length 365mm)
HF2201-04-60	80mm	2mm	60°(length 365mm)
HF2201-05-60	101.6mm	2mm	60°(length 365mm)



PART NO.	O.D.	THICKNESS	DEGREE
HF2201-01-90	50mm	2mm	90°(length 405.5mm)
HF2201-02-90	60mm	2mm	90°(length 405.5mm)
HF2201-03-90	70mm	2mm	90°(length 405.5mm)
HF2201-04-90	80mm	2mm	90°(length 405.5mm)
HF2201-05-90	101.6mm	2mm	90°(length 405.5mm)

PART NO.	O.D.	THICKNESS	DEGREE
HF2201-01-18	50mm	2mm	180°(length 528mm)
HF2201-02-18	60mm	2mm	180°(length 528mm)
HF2201-03-18	70mm	2mm	180°(length 528mm)
HF2201-04-18	80mm	2mm	180°(length 528mm)
HF2201-05-18	101.6mm	2mm	180°(length 528mm)

>> FLEXIBLE RUBBER HOSE

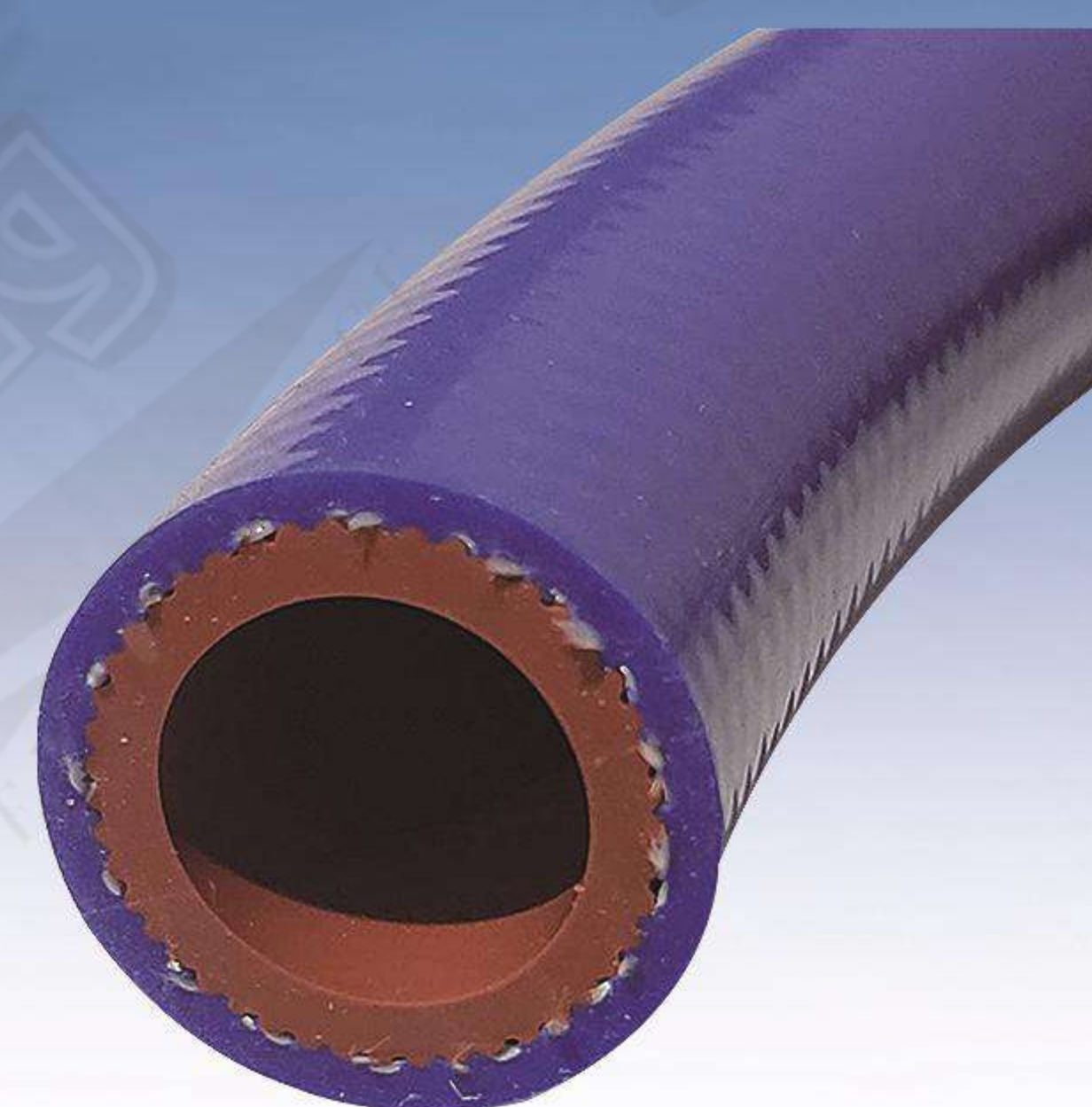
● Silicone Rubber Hose

HAOFA series push lock hose is designed for the use with our push-on fittings. available in black and blue.

.suitable for coolants, oil, air and methanol. fuel bystems, Lubricants.

.where temperature exceeds 70c the use of a clamp is recommended.

.temp range -40°C~ 100°C



Hose Size AN	HF Part Number	Hose I.D.		Hose O.D.		Max.Op.Pressure psi(bar)	Min.Bend.Rodius mm(in)	Remark
		mm	inch	mm	inch			
-4	HF2202-04	6.35	0.25"	11.94	0.47"	250 (17.23)	63.5 (2.5")	Black / Blue
-5	HF2202-05	7.90	0.31"	14.20	0.56"	250 (17.23)	76.2 (3.0")	Black / Blue
-6	HF2202-06	9.65	0.38"	16.00	0.63"	250 (17.23)	76.2 (3.0")	Black / Blue
-7	HF2202-07	11.5	0.45"	17.50	0.69"	250 (17.23)	102 (4.0")	Black / Blue
-8	HF2202-08	12.70	0.5"	19.05	0.75"	250 (17.23)	127 (5.0")	Black / Blue
-10	HF2202-10	16.00	0.63"	23.88	0.94"	250 (17.23)	152.4 (6.0")	Black / Blue
-12	HF2202-12	19.05	0.75"	25.40	1.0"	250 (17.23)	177.8 (7")	Black / Blue

● Smooth Cover Oil Hose

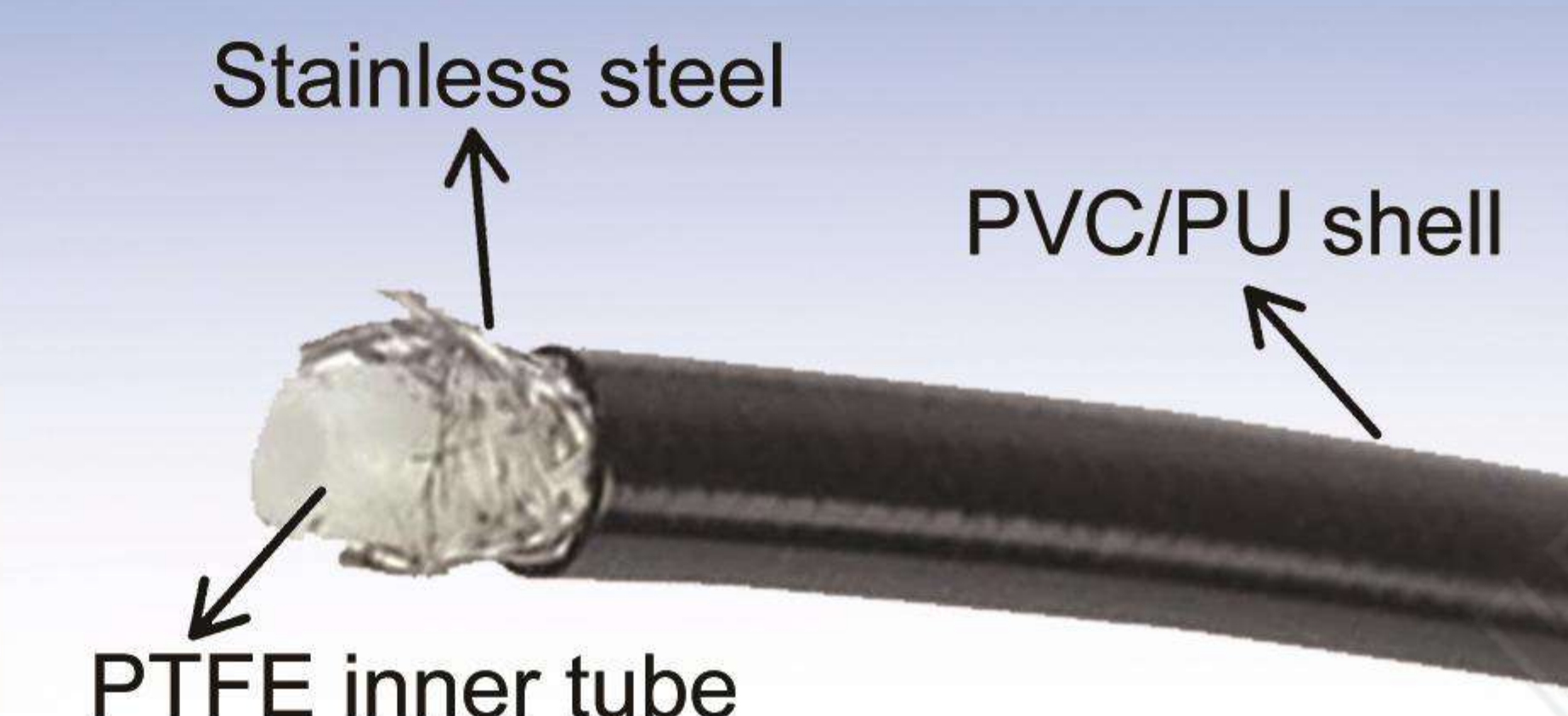


Part No	Thick	Hose I.D.			Hose O.D.			W.P.		B.P.	
	mm	mm	inch	mm	mm	inch	mm	mpa	psi	mpa	psi
HF-34-1/8	2.9	3.2	1/8"	±0.3	9	0.35	±0.3	2	300	8	1200
HF-34-5/32	3	4	5/32"	±0.3	10	0.4	±0.3	2	300	8	1200
HF-34-3/16	3.1	4.8	3/16"	±0.3	11	0.43	±0.3	2	300	8	1200
HF-34-1/4	3.2	6.3	1/4"	±0.3	13	0.5	±0.4	2	300	8	1200
HF-34-5/16	3.05	7.9	5/16"	±0.4	14	0.56	±0.5	2	300	8	1200
HF-34-3/8	3.25	9.5	3/8"	±0.4	16	0.63	±0.5	2	300	8	1200
HF-34-15/32	3.5	12	15/32"	±0.4	19	0.75	±0.5	2	300	8	1200
HF-34-1/2	3.65	12.7	1/2"	±0.5	20	0.78	±0.5	2	300	8	1200
HF-34-5/8	4	16	5/8"	±0.5	24	0.94	±0.6	1	150	4	600
HF-34-3/4	4.9	19	3/4"	±0.5	29	1.13	±0.6	1	150	4	600
HF-34-1	4.8	25.4	1	±0.6	35	1.38	±0.8	1	150	4	600

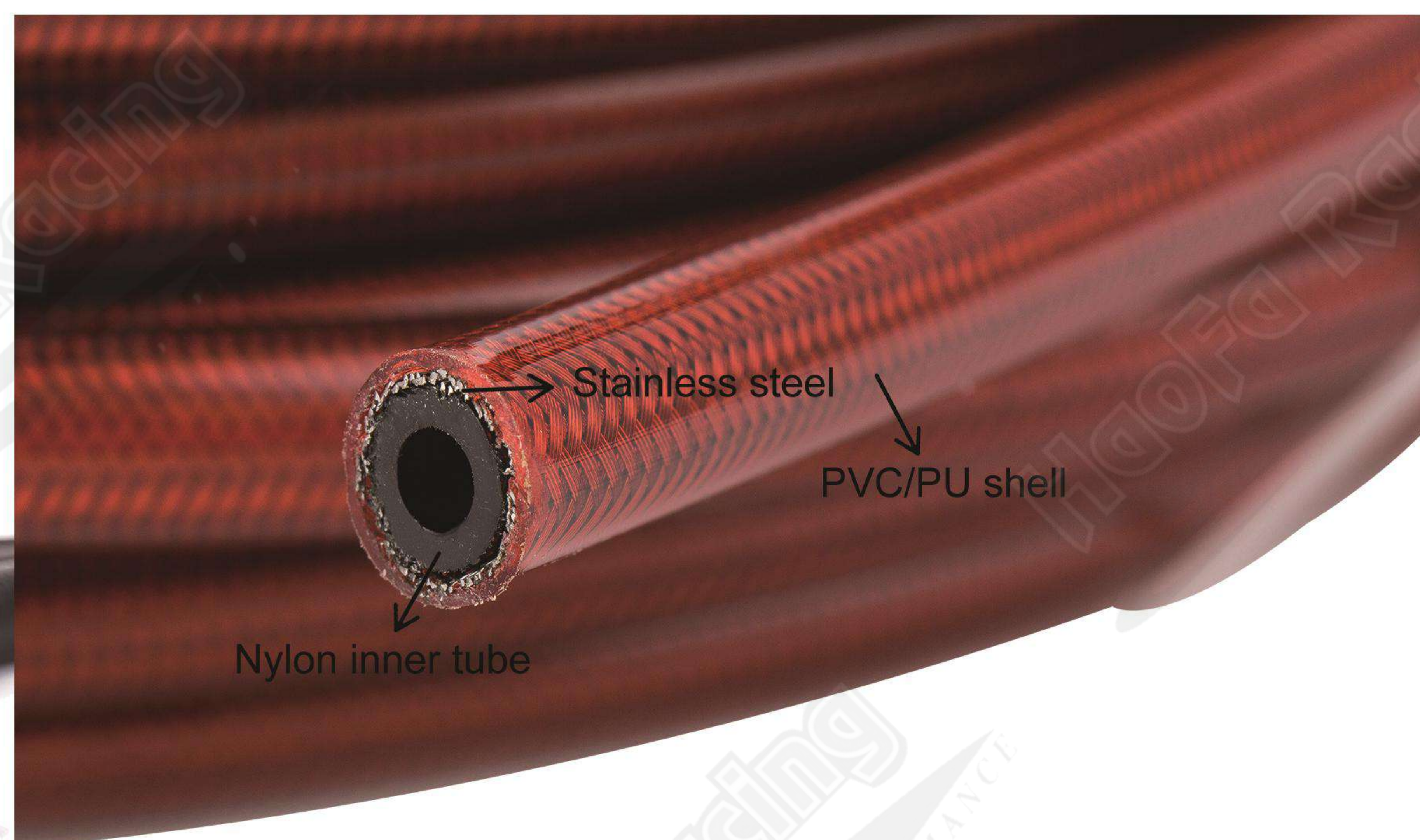
>> BRAKE HOSE

● PTFE Brake hose

Part No	Size inch	I.D. mm	O.D. mm	W.P. mpa	W.P. mpa	M.B.R. mm
HF-PTFE-36-3	1/8	3.2	7.5	27.6	49	80



● Nylon Brake Hose



Part No	Size inch	I.D. mm	O.D. mm	W.P. mpa	B.P. mpa	M.B.R. mm
HF-Nylon-36-3	1	3.2	7.5	27.6	49	85



Hydraulic Rubber Hose

[DURABLE MATERIAL] - The innermost tube and the outer protective cover are constructed of synthetic rubber.

The outermost is cover by fabric. The inner material is two high-tensile steel wire braid reinforcement layers.

[HIGH STRENGTH] - The bulk hydraulic oil hose is constructed of synthetic rubber to resist oil and chemicals, while the outer cover also protects the hose from weather, ozone, abrasion, and corrosion.

[VARIOUS USES] - The hose is suitable to carry petroleum, mineral oils, emulsion, hydrocarbons, and water-based hydraulic fluids. It is ideal for construction, agriculture, and other machinery that uses a hydraulic system.



Part No	I.D.			O.D.			Thick	W.P.		B.P.	
	inch	mm	mm	inch	mm	mm		mpa	psi	mpa	psi
HF-35-1/8	1/8"	3.2	±0.3	0.35	9	±0.3	2.9	2	300	8	1200
HF-35-5/32	5/32"	4	±0.3	0.4	10	±0.3	3	2	300	8	1200
HF-35-3/16	3/16"	4.8	±0.3	0.43	11	±0.3	3.1	2	300	8	1200
HF-35-1/4	1/4"	6.3	±0.3	0.5	13	±0.4	3.2	2	300	8	1200
HF-35-5/16	5/16"	7.9	±0.4	0.56	14	±0.5	3.05	2	300	8	1200
HF-35-3/8	3/8"	9.5	±0.4	0.63	16	±0.5	3.25	2	300	8	1200
HF-35-15/32	15/32"	12	±0.4	0.75	19	±0.5	3.5	2	300	8	1200
HF-35-1/2	1/2"	12.7	±0.5	0.78	20	±0.5	3.65	2	300	8	1200
HF-35-5/8	5/8"	16	±0.5	0.94	24	±0.6	4	1	150	4	600
HF-35-3/4	3/4"	19	±0.5	1.13	29	±0.6	4.9	1	150	4	600
HF-35-1	1	25.4	±0.6	1.38	35	±0.8	4.8	1	150	4	600

Nylon Plastic Air Pipe

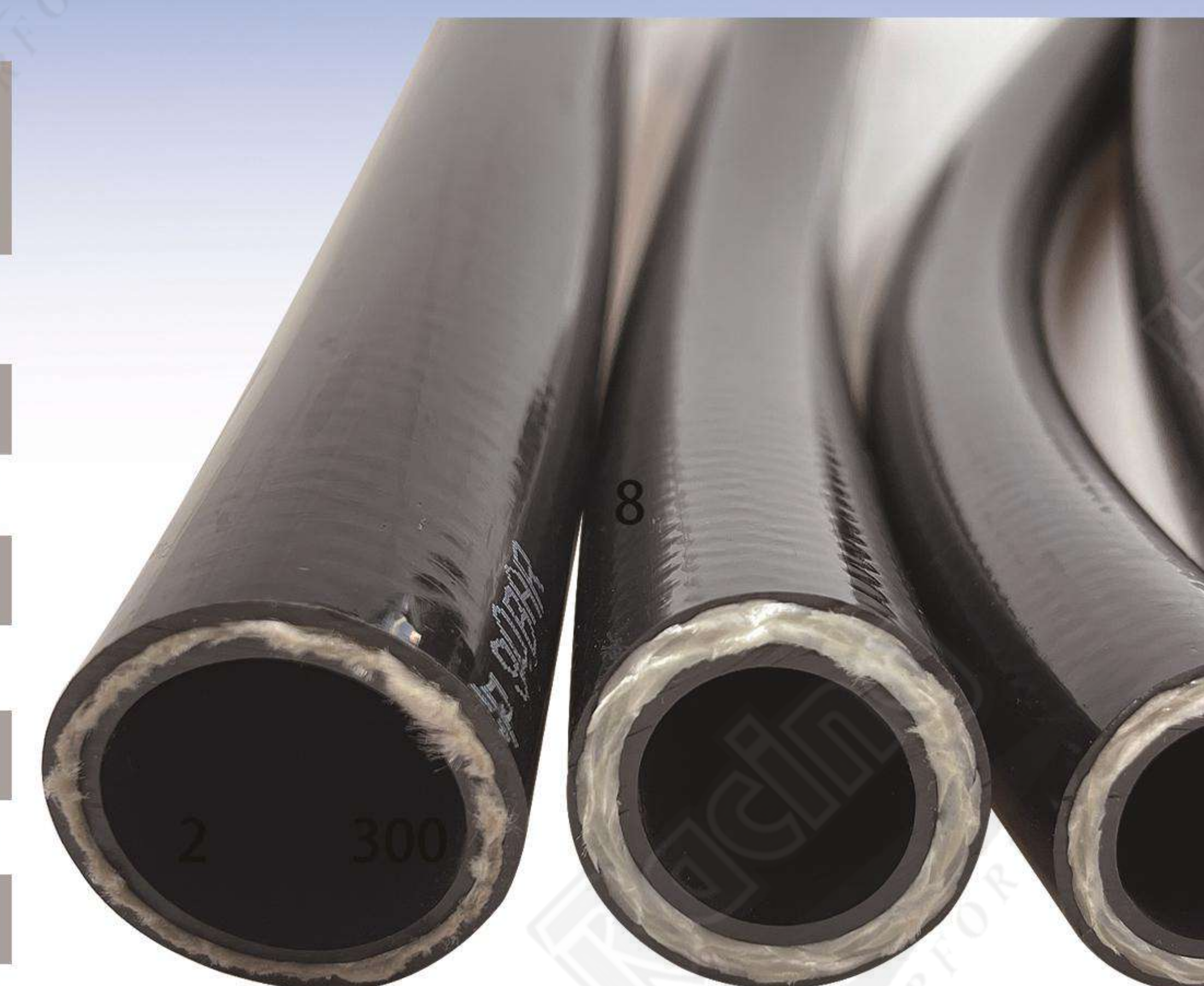
Part No	Wall Thickness	O.D. mm	Weight (kg)
HF-Nylon-0-0.75	0.75	4	0.0081
HF-Nylon-0-1	1	4	0.01
HF-Nylon-0-5	1	5	0.0133
HF-Nylon-0-6	1	6	0.0166
HF-Nylon-0-7	1	7	0.02
HF-Nylon-0-8	1	8	0.0233
HF-Nylon-0-10	1	10	0.03
HF-Nylon-0-1.25	1.25	10	0.0364
HF-Nylon-0-12	1	12	0.0366
HF-Nylon-0-1.5	1.5	12	0.0524
HF-Nylon-0-14	1.5	14	0.0624
HF-Nylon-0-2	2	14	0.0799
HF-Nylon-0-15	1.5	15	0.0674
HF-Nylon-0-16	1.5	16	0.0724
HF-Nylon-0-2	2	16	0.0932



> > NYLON HOSE

One Layer Of Nylon Hose

Part No	Inch Size	ID (mm)	OD (mm)	WP (bar)	BP (bar)
HF-Nylon-1-1/8	1/8"	3.3	8.5	172	689
HF-Nylon-1-3/16	3/16"	4.8	10.8	207	827
HF-Nylon-1-1/4	1/4"	6.4	13	207	827
HF-Nylon-1-5/16	5/16"	8	15.1	172	589
HF-Nylon-1-3/8	3/8"	9.6	17	155	621
HF-Nylon-1-1/2	1/2"	12.7	20.7	138	552
HF-Nylon-1-5/8	5/8"	16	23	130	520
HF-Nylon-1-3/4	3/4"	19	26	115	450
HF-Nylon-1-1	1"	25	32	100	400



Two Layer Of Nylon Hose



Part No	Inch Size	ID (mm)	OD (mm)	WP (bar)	BP (bar)
HF-Nylon-2-1/8	1/8"	3.3	10.2	300	1200
HF-Nylon-2-3/16	3/16"	4.8	13	345	137.9
HF-Nylon-2-1/4	1/4"	6.4	15.9	345	137.9
HF-Nylon-2-5/16	5/16"	8	17	300	1200
HF-Nylon-2-3/8	3/8"	9.6	19	276	1100
HF-Nylon-2-1/2	1/2"	12.7	22.7	241	96.5
HF-Nylon-2-5/8	5/8"	16	25	200	800
HF-Nylon-2-3/4	3/4"	19	29	200	800
HF-Nylon-2-1	1"	25	35	160	640

>> CRIMP STYLE FITTING



● Straight Crimp Style Fitting

Part No	Item	Material
HF-6006-0	-6	AL,SS,ST
HF-6008-0	-8	AL,SS,ST
HF-6010-0	-10	AL,SS,ST
HF-6012-0	-12	AL,SS,ST
HF-6016-0	-16	AL,SS,ST



● 90° Angle Crimp Style Fitting

Part No	Item	Material
HF-6006-90	-6	AL,SS,ST
HF-6008-90	-8	AL,SS,ST
HF-6010-90	-10	AL,SS,ST
HF-6012-90	-12	AL,SS,ST
HF-6016-90	-16	AL,SS,ST



● 180° Angle Crimp Style Fitting

Part No	Item	Material
HF-6006-180	-6	AL,SS,ST
HF-6008-180	-8	AL,SS,ST
HF-6010-180	-10	AL,SS,ST
HF-6012-180	-12	AL,SS,ST
HF-6016-180	-16	AL,SS,ST



● 45° Angle Crimp Style Fitting

Part No	Item	Material
HF-6006-45	-6	AL,SS,ST
HF-6008-45	-8	AL,SS,ST
HF-6010-45	-10	AL,SS,ST
HF-6012-45	-12	AL,SS,ST
HF-6016-45	-16	AL,SS,ST

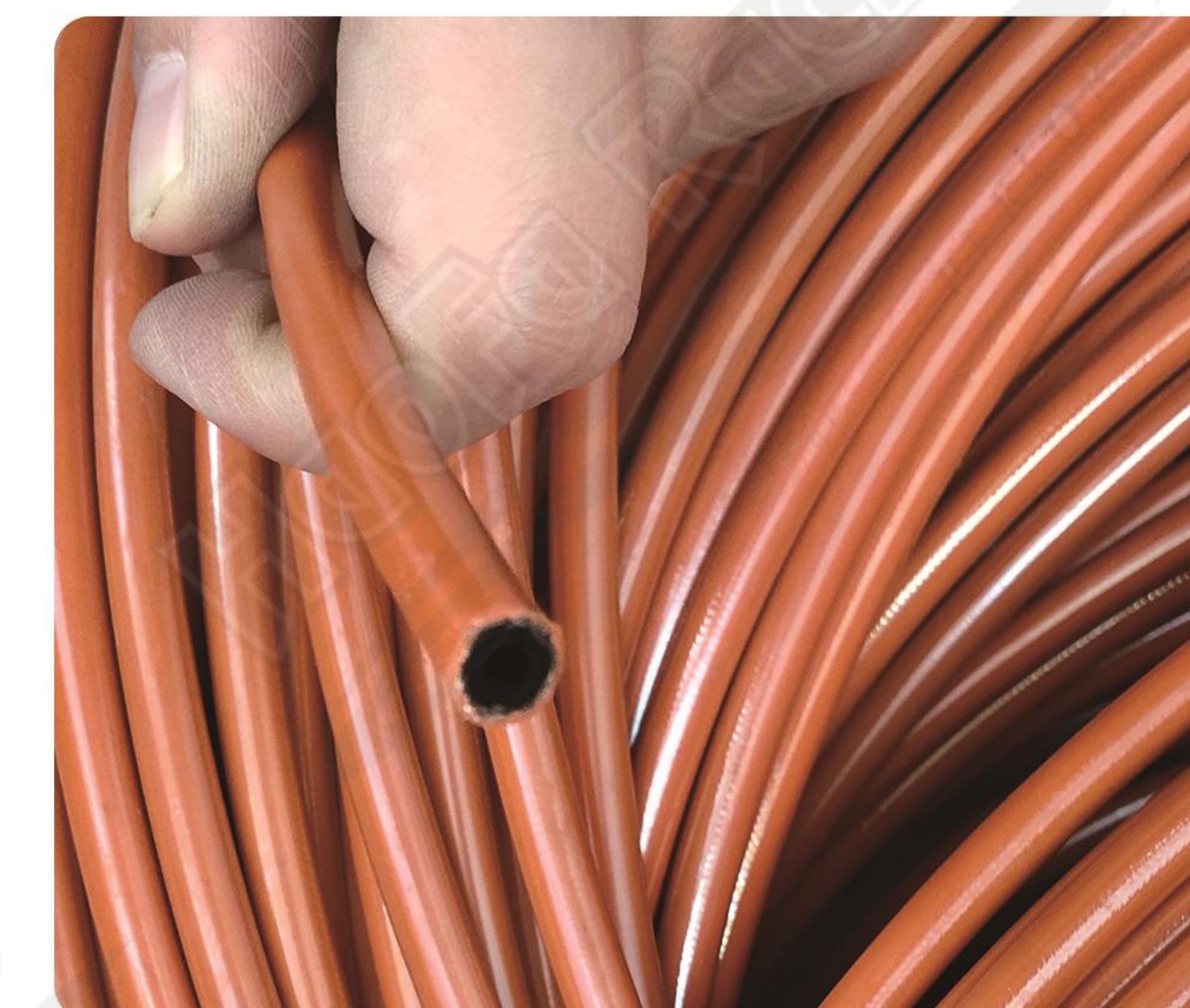
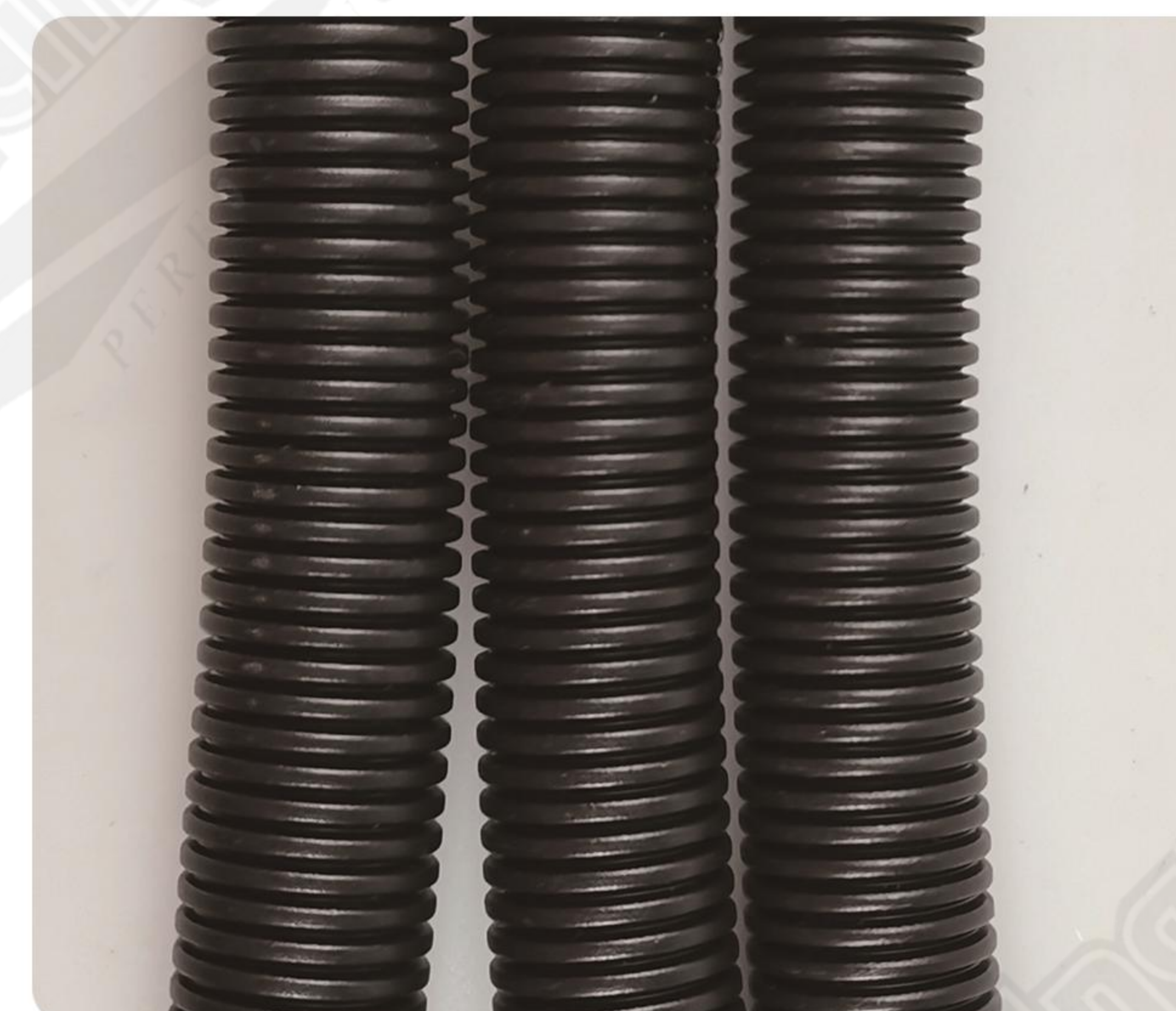


● 120° Angle Crimp Style Fitting

Part No	Item	Material
HF-6006-120	-6	AL,SS,ST
HF-6008-120	-8	AL,SS,ST
HF-6010-120	-10	AL,SS,ST
HF-6012-120	-12	AL,SS,ST
HF-6016-120	-16	AL,SS,ST



>> OTHER BRAIDED HOSE



>> HEAT RESISTANT CASING



Fireproof pipe is made of thick glass fiber braided tube, the surface of the casing is coated with iron oxide red silicone rubber, which can withstand molten metal splashes and other heat sources and flames, and is often used to protect hoses, cables and pipes in harsh environments. Road etc.

The product can maintain flexibility at minus 54°C and can withstand a continuous heat source of 260°C; 15-20 minutes at 1093°C; 15-30 seconds at 1649°C.

Its insulating properties can provide users with effective thermal protection, prevent damage by hot hoses, and greatly reduce heat loss. The synthesis of special high-temperature resistant materials determines that the fire-resistant pipe has many characteristics that other similar materials are difficult to replace; high temperature resistance, thermal insulation performance, flame retardant performance, electrical insulation performance, chemical stability, weathering resistance oil resistance, ozone resistance, voltage resistance, arc resistance, corona resistance, etc.

● Fire Pipe

parameters table		
numbering	I.D.(mm)	roll length (meter)
HF-FRP-4	4	20
HF-FRP-6	6	20
HF-FRP-8	8	20
HF-FRP-10	10	20
HF-FRP-11	11	20
HF-FRP-13	13	20
HF-FRP-16	16	20
HF-FRP-19	19	20
HF-FRP-22	22	20
HF-FRP-25	25	20
HF-FRP-29	29	20
HF-FRP-32	32	20
HF-FRP-35	35	20
HF-FRP-38	38	20
HF-FRP-41	41	20
HF-FRP-44	44	20
HF-FRP-48	48	20
HF-FRP-51	51	20
HF-FRP-57	57	20
HF-FRP-60	60	20
HF-FRP-64	64	20
HF-FRP-67	67	20
HF-FRP-70	70	20
HF-FRP-73	73	20
HF-FRP-76	76	20
HF-FRP-83	83	20
HF-FRP-89	89	20
HF-FRP-95	95	20
HF-FRP-102	102	20
HF-FRP-114	114	20
HF-FRP-121	121	20
HF-FRP-127	127	20
HF-FRP-152	152	20



parameters table	
material	silicone, fiberglass
temperature resistant	-40°C ~ +260°C
flammability rating	VW-1
melting point	+1650°C
regular color	red
other colours	black/grey/silver/blue/yellow/orange etc.

remark: special lengths and packaging can be customized.
special thickness can be customized.
Logo can be printed.

>> HEAT RESISTANT CASING



The VCO fire hose is sewn with Velcro. The advantage is that it is easy to disassemble and assemble, and there is no need to stop the equipment, disassemble the cables, etc. during installation, and the inside is sewn with a fire-resistant and flame-retardant buckle, which can be used for sealing and insulating only by gluing the sleeve from the middle. Affect equipment production and save installation time. It is commonly used in large-scale smelting equipment, and is also used in metal high-temperature hoses.

● VCO Fire Pipe

parameters table		
numbering	I.D.(mm)	roll length (meter)
HF-VFP-19	19	20
HF-VFP-22	22	20
HF-VFP-25	25	20
HF-VFP-29	29	20
HF-VFP-32	32	20
HF-VFP-35	35	20
HF-VFP-38	38	20
HF-VFP-41	41	20
HF-VFP-44	44	20
HF-VFP-48	48	20
HF-VFP-51	51	20
HF-VFP-57	57	20
HF-VFP-60	60	20
HF-VFP-64	64	20
HF-VFP-67	67	20
HF-VFP-70	70	20
HF-VFP-73	73	20
HF-VFP-76	76	20
HF-VFP-83	83	20
HF-VFP-89	89	20
HF-VFP-95	95	20
HF-VFP-102	102	20
HF-VFP-114	114	20
HF-VFP-121	121	20
HF-VFP-127	127	20
HF-VFP-133	133	20
HF-VFP-140	140	20
HF-VFP-146	146	20
HF-VFP-152	152	20
HF-VFP-159	159	20
HF-VFP-165	165	20
HF-VFP-171	171	20
HF-VFP-178	178	20
HF-VFP-184	184	20
HF-VFP-191	191	20
HF-VFP-197	197	20
HF-VFP-203	203	20
HF-VFP-210	210	20
HF-VFP-216	216	20
HF-VFP-222	222	20
HF-VFP-229	229	20
HF-VFP-235	235	20
HF-VFP-241	241	20
HF-VFP-248	248	20
HF-VFP-254	254	20
HF-VFP-260	260	20
HF-VFP-267	267	20
HF-VFP-273	273	20
HF-VFP-279	279	20
HF-VFP-286	286	20
HF-VFP-292	292	20
HF-VFP-298	298	20
HF-VFP-305	305	20



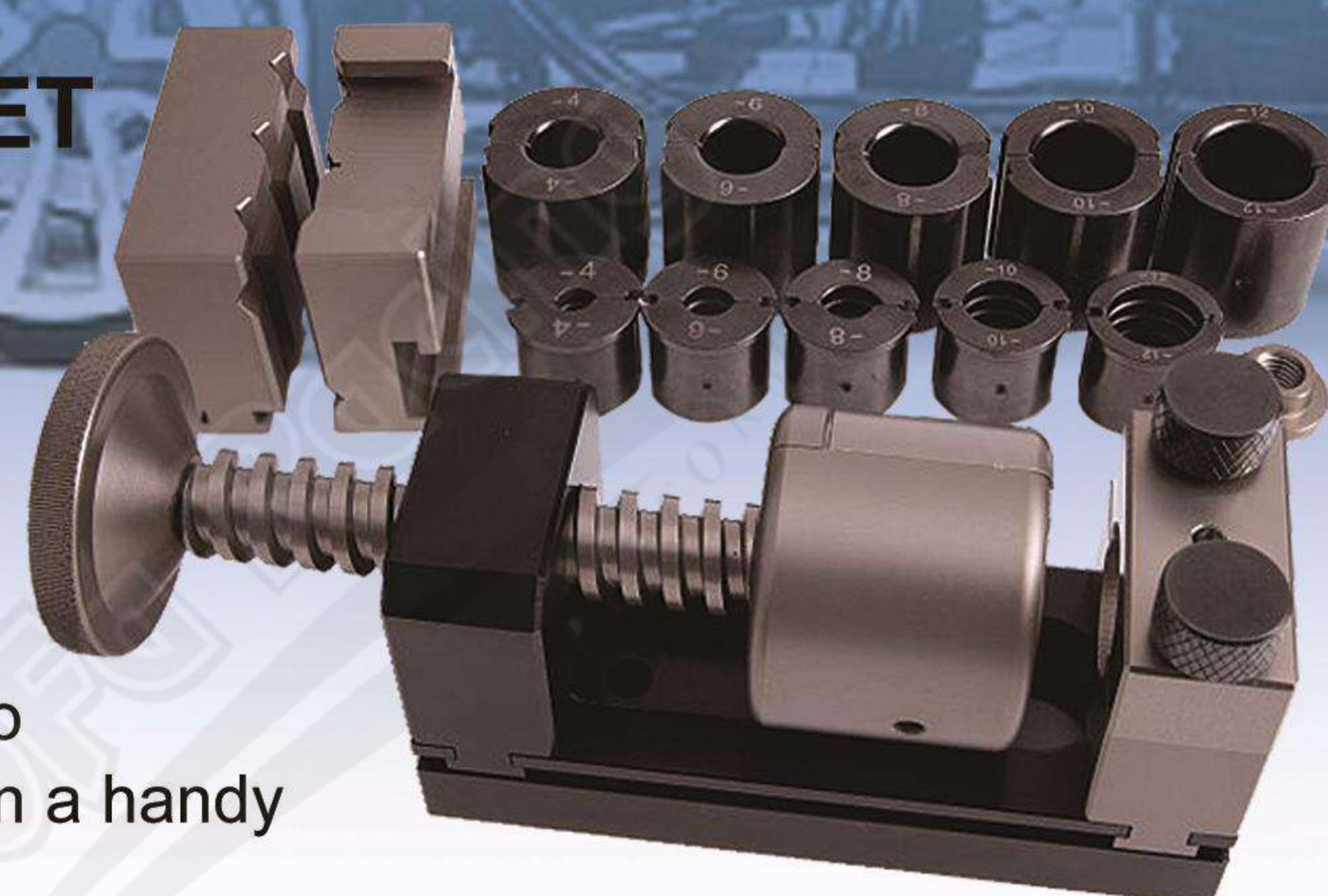
parameters table	
material	silicone, fiberglass
temperature resistant	-40°C ~ +260°C
flammability rating	VW-1
melting point	+1650°C
regular color	red
other colours	black/grey/silver/blue/yellow/orange etc.

remark: special lengths and packaging can be customized.
special thickness can be customized.
Logo can be printed.

>> HOSE INSTALLATION KIT SET

● Fitting & Hose Installation Kit (AN4 to AN12)

HaoFa has designed this rotary vice to make the installation of tube & hose with AN fittings easily. The installation kit comes with everything you need to install the hose to AN fittings. The kit also quickly and easily transforms into a vice and comes in a handy carry case.



● Hose Installation Kit Instructions (AN4 to AN12 & HF series hose ends)

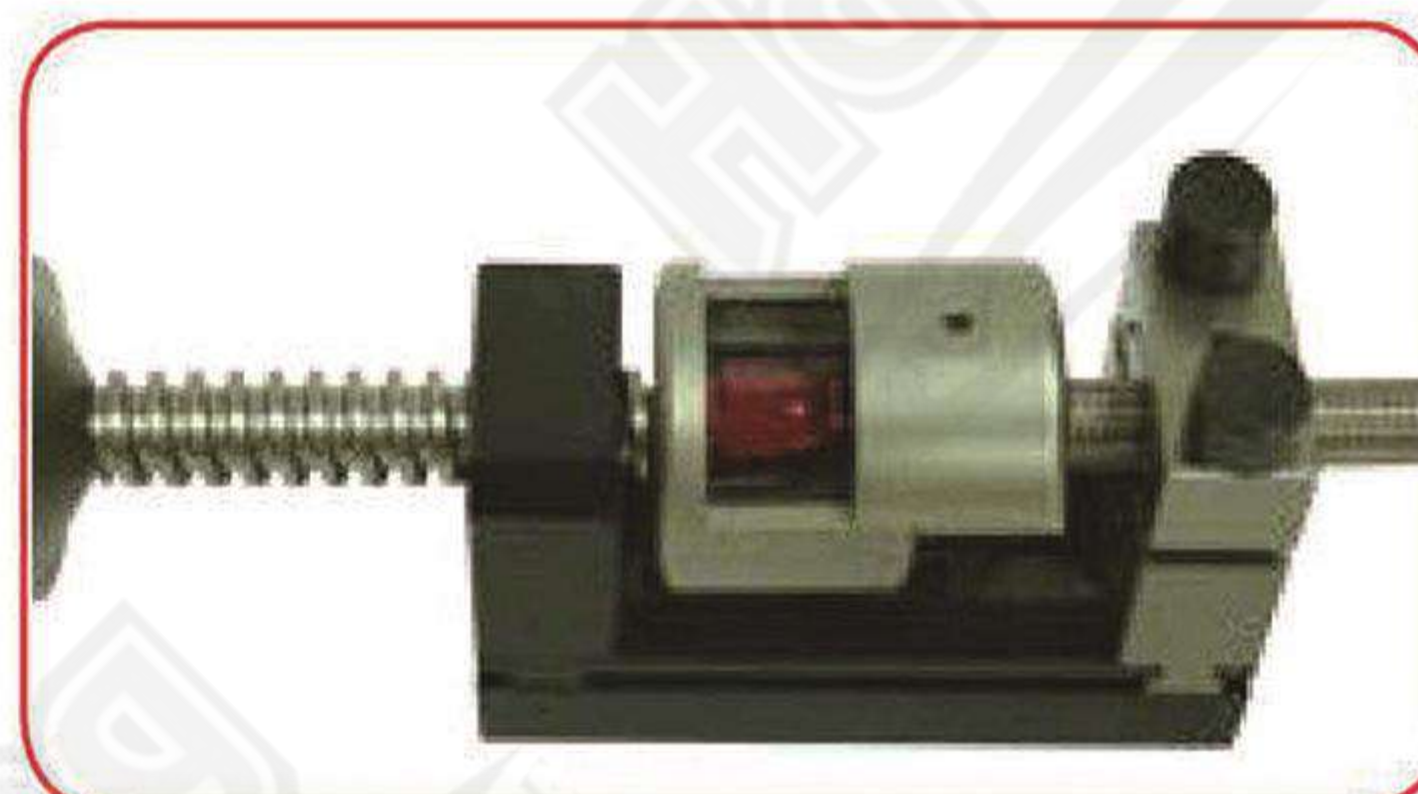
Till now, a purpose-built tool for the connection of braided steel hose and fittings has been lacking from the automotive market. Installation was performed manually, something that was difficult, labour intensive and risked injury. Due to demands in the high performance and automotive industry, HaoFa provides the hose installation kit to solve these problems. Unlike other kits on the market, HaoFa hose installation kit incorporates a flexible design making it easy to assemble as well as making the replacement of parts conveniently. The kit is made of aluminium, steel and iron to prevent corrosion. It also comes in a convenient carry case for easy transportation.



Release the hose clamp assembly by releasing the thumbscrews. Slide the socket nut holder open.



Slide the cover back and slide the socket nut insert into the tool and the hose clamp inserts into the holder.



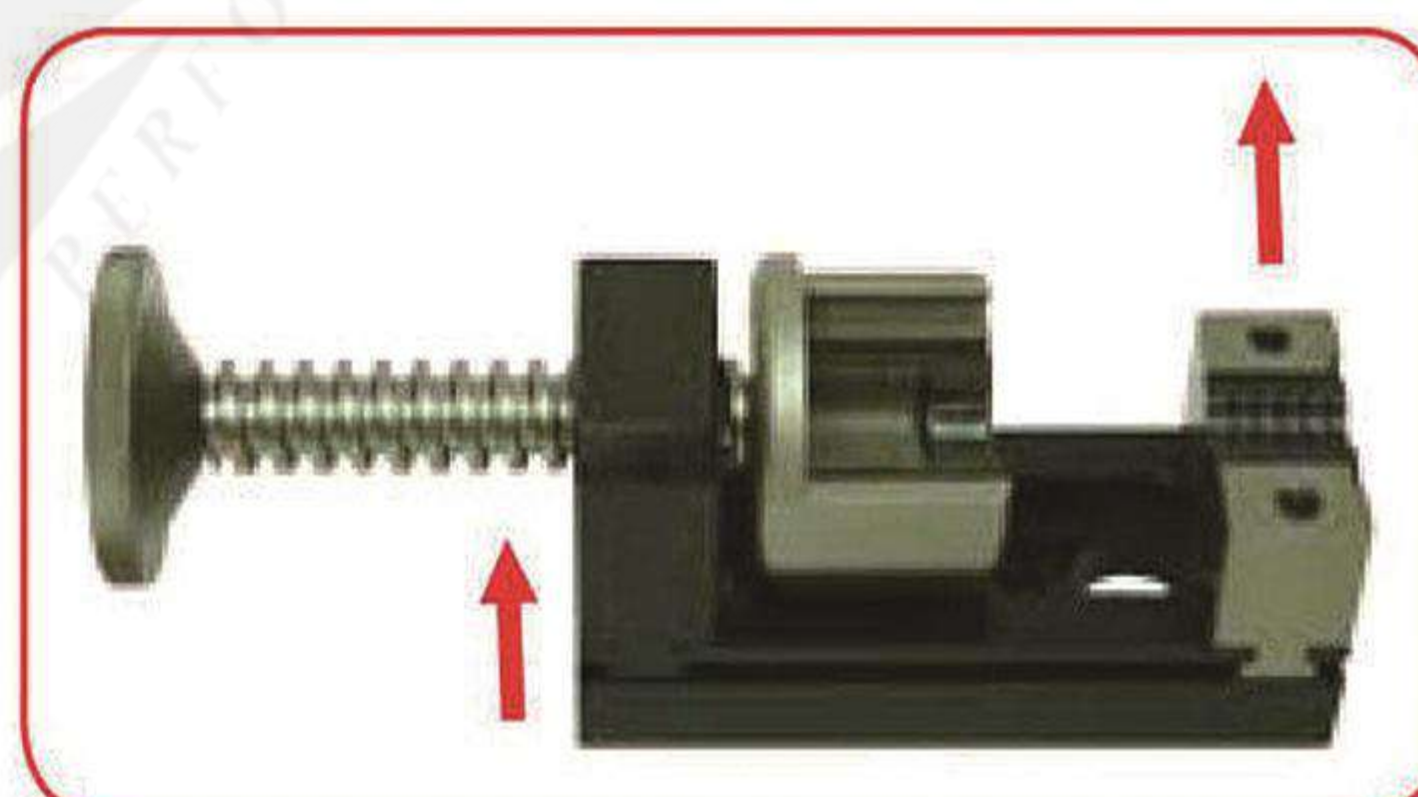
Place the socket nut into the tool holder and the hose into the hose clamp. Place the nut into the nut clamping mechanism and slide the cover closed.



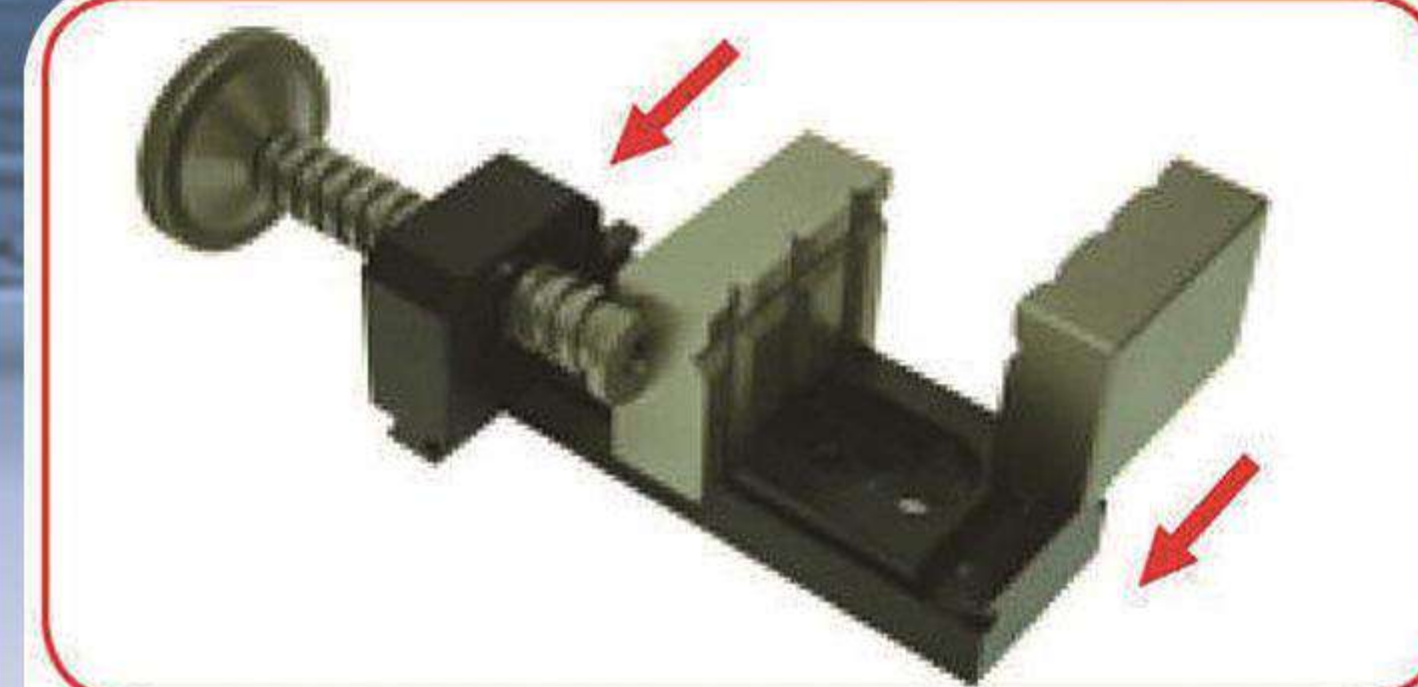
Place the stainless steel braided hose into the hose clamping mechanism and tighten the two screws to hold it in place.



With the cover closed and the hose held in place begin rotating the wheel until it cannot rotate any further. Measure depth of nut to prevent overthreading.



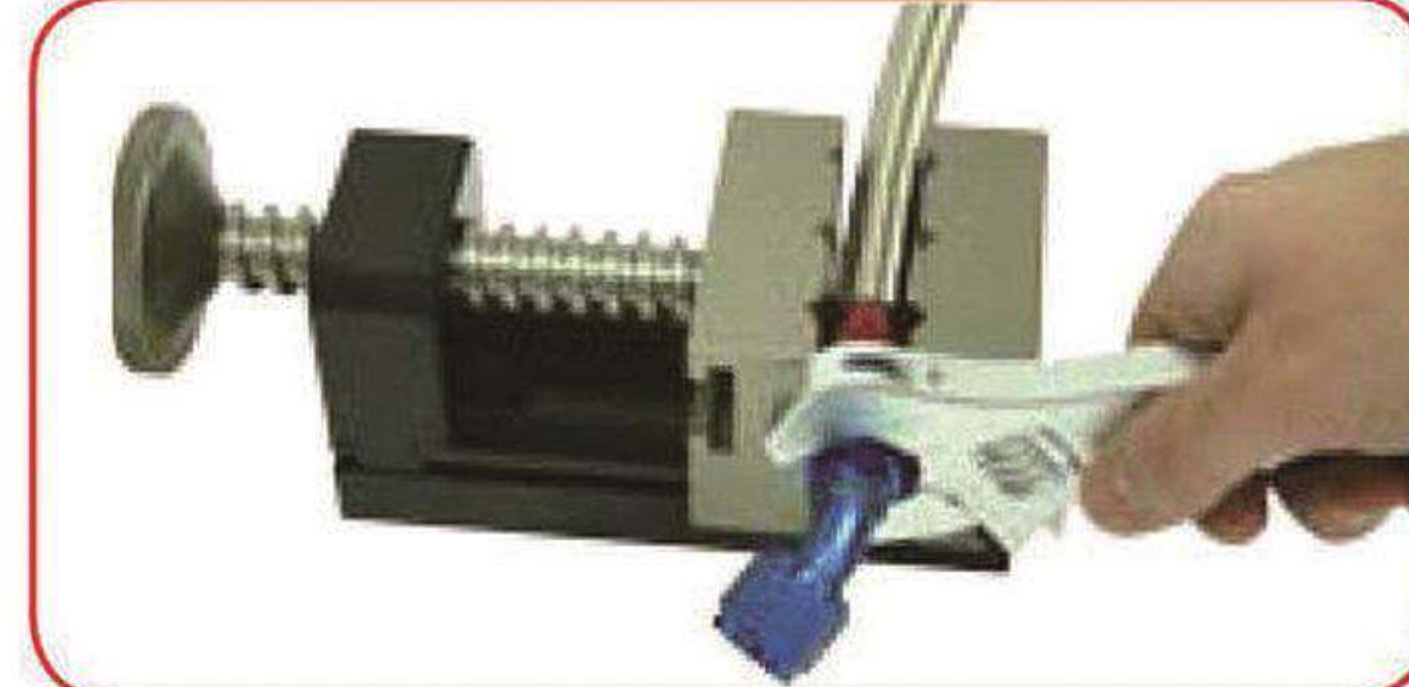
To transform the AeroFlow Hose Installation Kit from an installation tool to a vice simply slide the hose clamp and handwheel assembly off the base.



Unscrew the socket nut holder and screw on the vice adaptor.



Slide the two vice-jaw pieces onto the base of the assembly. Slide the handwheel assembly out and slide back into the groove of the vice piece.

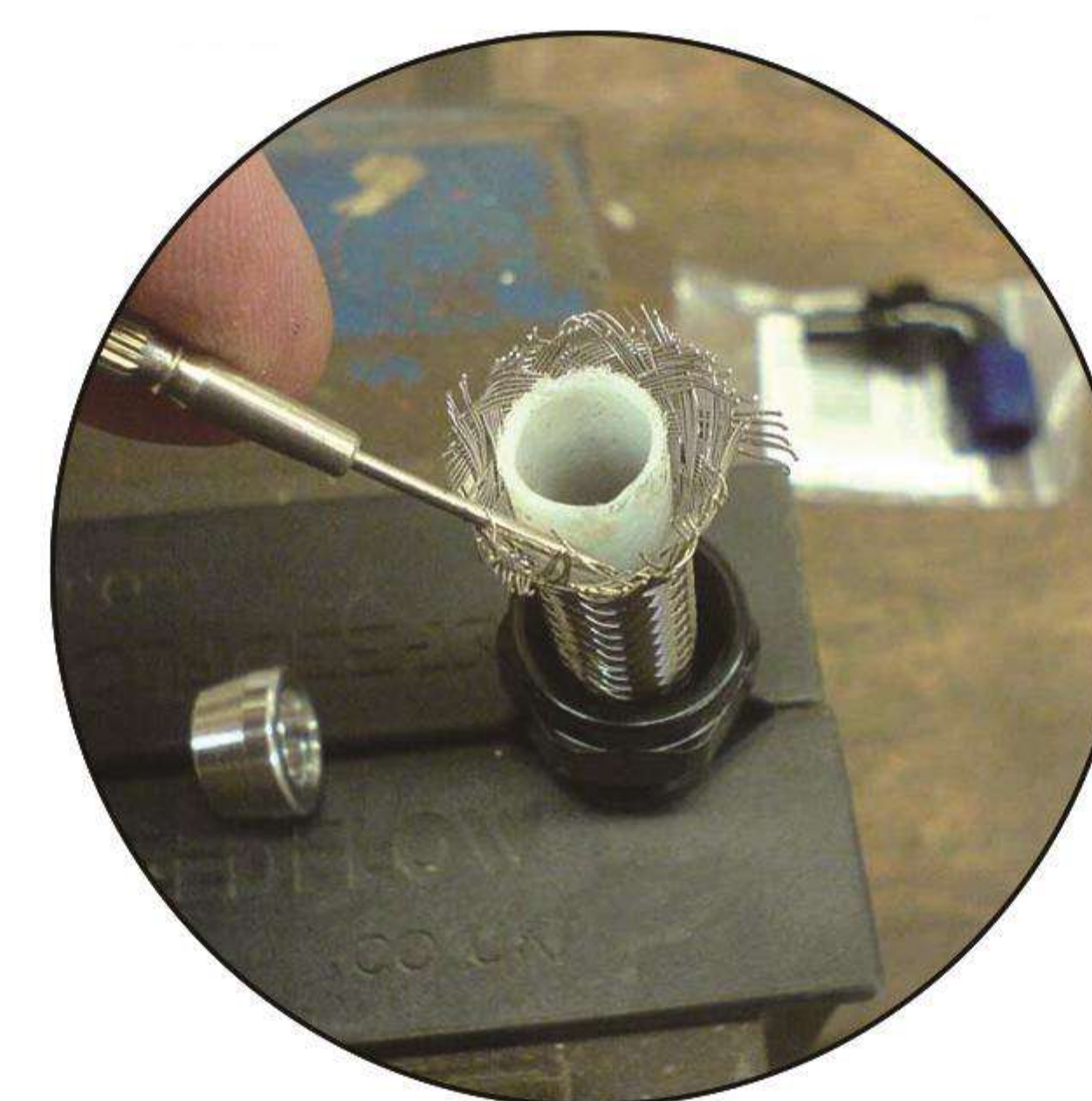


>> INSTALLATION STEPS OF BRAIDED HOSE



Step 1

Bind masking tape tightly around the hose at the required length and cut it through using a fine tooth saw blade or cut off wheel, leaving tape on both ends so that it retains the braided wire, clean and keep from any debris from both the cut ends and inside of the hose.



Step 2

Bind the socket in a smooth jaw vice and insert one end of the hose to the vice by turning clockwise and pushing until the hose finishes just behind the socket threads.



Step 3

Pressure test.



>> **SWIVEL HOSE ENDS**



● Swivel Hose End-STR

Part No	AN	Thread	To Suit Hose
HF-4004-001	-4	7/16 X 20	Rubber Hose
HF-4006-001	-6	9/16 X 18	Rubber Hose
HF-4008-001	-8	3/4 X 16	Rubber Hose
HF-4010-001	-10	7/8 X 14	Rubber Hose
HF-4012-001	-12	1-1/16X12	Rubber Hose
HF-4016-001	-16	1-5/16X12	Rubber Hose
HF-4020-001	-20	1-5/8 X 12	Rubber Hose



● Swivel Hose End 30°

Part No	AN	Thread	To Suit Hose
HF-4004-030	-4	7/16 X 20	Rubber Hose
HF-4006-030	-6	9/16 X 18	Rubber Hose
HF-4008-030	-8	3/4 X 16	Rubber Hose
HF-4010-030	-10	7/8 X 14	Rubber Hose
HF-4012-030	-12	1-1/16X12	Rubber Hose
HF-4016-030	-16	1-5/16X12	Rubber Hose
HF-4020-030	-20	1-5/8 X 12	Rubber Hose

>> **SWIVEL HOSE ENDS**



● Swivel Hose End 90°

Part No	AN	Thread	To Suit Hose
HF-4004-090	-4	7/16 X 20	Rubber Hose
HF-4006-090	-6	9/16 X 18	Rubber Hose
HF-4008-090	-8	3/4 X 16	Rubber Hose
HF-4010-090	-10	7/8 X 14	Rubber Hose
HF-4012-090	-12	1-1/16X12	Rubber Hose
HF-4016-090	-16	1-5/16X12	Rubber Hose
HF-4020-090	-20	1-5/8 X 12	Rubber Hose



● Swivel Hose End 120°

Part No	AN	Thread	To Suit Hose
HF-4004-120	-4	7/16 X 20	Rubber Hose
HF-4006-120	-6	9/16 X 18	Rubber Hose
HF-4008-120	-8	3/4 X 16	Rubber Hose
HF-4010-120	-10	7/8 X 14	Rubber Hose
HF-4012-120	-12	1-1/16X12	Rubber Hose
HF-4016-120	-16	1-5/16X12	Rubber Hose
HF-4020-120	-20	1-5/8 X 12	Rubber Hose



● Swivel Hose End 45°

Part No	AN	Thread	To Suit Hose
HF-4004-045	-4	7/16 X 20	Rubber Hose
HF-4006-045	-6	9/16 X 18	Rubber Hose
HF-4008-045	-8	3/4 X 16	Rubber Hose
HF-4010-045	-10	7/8 X 14	Rubber Hose
HF-4012-045	-12	1-1/16X12	Rubber Hose
HF-4016-045	-16	1-5/16X12	Rubber Hose
HF-4020-045	-20	1-5/8 X 12	Rubber Hose



● Swivel Hose End 60°

Part No	AN	Thread	To Suit Hose
HF-4004-060	-4	7/16 X 20	Rubber Hose
HF-4006-060	-6	9/16 X 18	Rubber Hose
HF-4008-060	-8	3/4 X 16	Rubber Hose
HF-4010-060	-10	7/8 X 14	Rubber Hose
HF-4012-060	-12	1-1/16X12	Rubber Hose
HF-4016-060	-16	1-5/16X12	Rubber Hose
HF-4020-060	-20	1-5/8 X 12	Rubber Hose



● Swivel Hose End 150°

Part No	AN	Thread	To Suit Hose
HF-4004-150	-4	7/16 X 20	Rubber Hose
HF-4006-150	-6	9/16 X 18	Rubber Hose
HF-4008-150	-8	3/4 X 16	Rubber Hose
HF-4010-150	-10	7/8 X 14	Rubber Hose
HF-4012-150	-12	1-1/16X12	Rubber Hose
HF-4016-150	-16	1-5/16X12	Rubber Hose
HF-4020-150	-20	1-5/8 X 12	Rubber Hose



● Swivel Hose End 180°

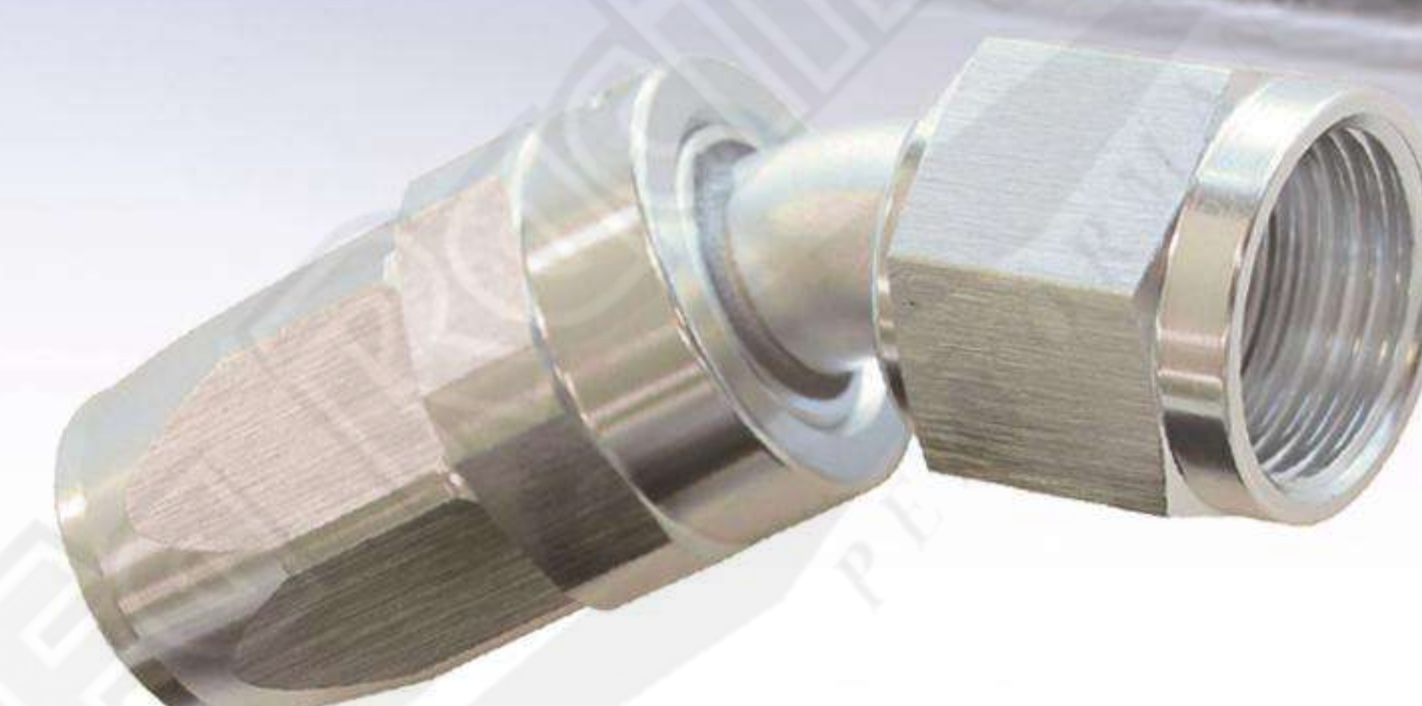
Part No	AN	Thread	To Suit Hose
HF-4004-180	-4	7/16 X 20	Rubber Hose
HF-4006-180	-6	9/16 X 18	Rubber Hose
HF-4008-180	-8	3/4 X 16	Rubber Hose
HF-4010-180	-10	7/8 X 14	Rubber Hose
HF-4012-180	-12	1-1/16X12	Rubber Hose
HF-4016-180	-16	1-5/16X12	Rubber Hose
HF-4020-180	-20	1-5/8 X 12	Rubber Hose

>> **HARD ANODIZED SWIVEL HOSE ENDS**



● **Straight Hose Ends**

Part No	AN	Thread	To Suit Hose
HF-6004-000	-4	7/16 X 20	Rubber hose
HF-6006-000	-6	9/16 X 18	Rubber hose
HF-6008-000	-8	3/4 X 16	Rubber hose
HF-6010-000	-10	7/8 X 14	Rubber hose
HF-6012-000	-12	1-1/16X12	Rubber hose
HF-6016-000	-16	1-5/16X12	Rubber hose
HF-6020-000	-20	1-5/8 X 12	Rubber hose



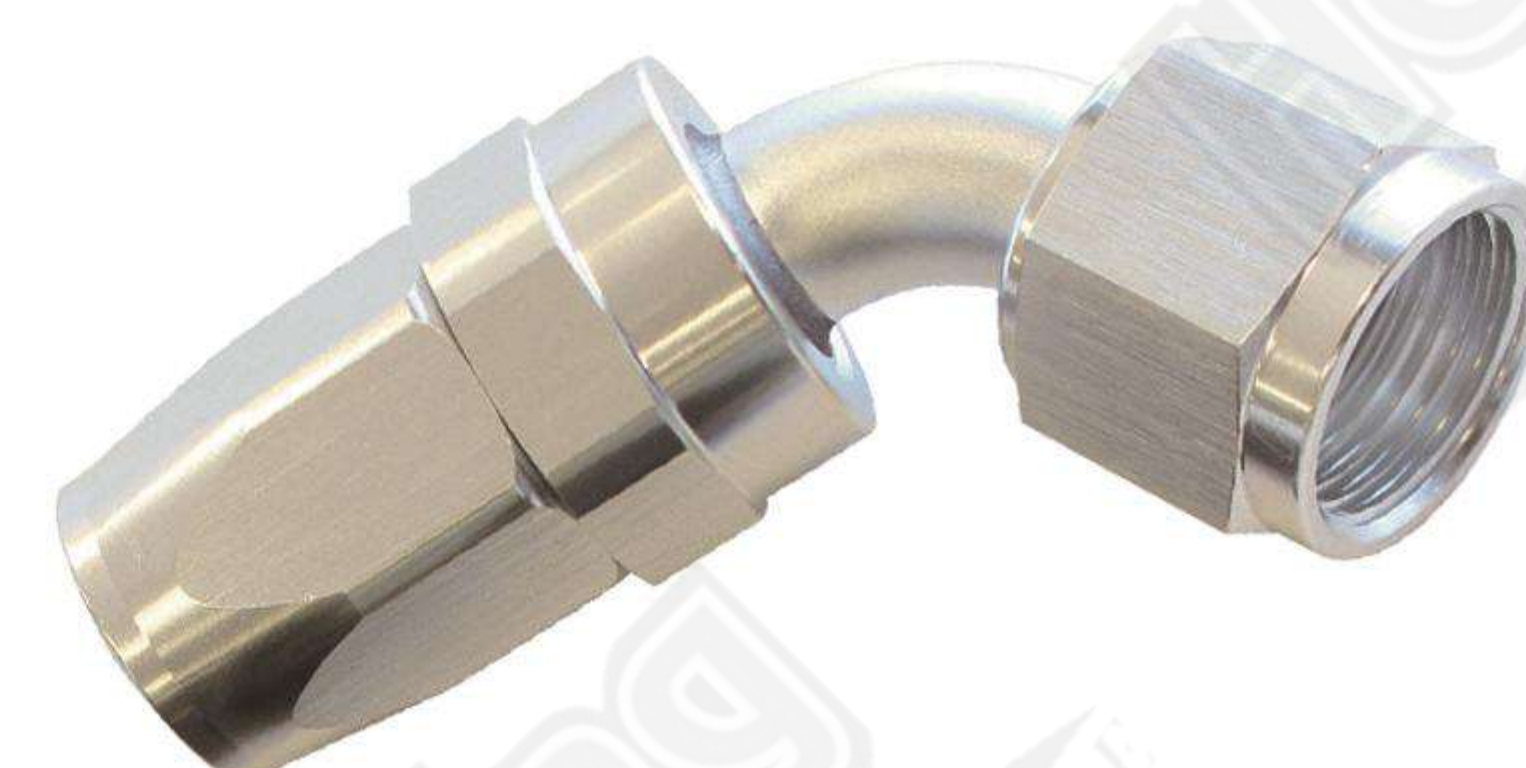
● **Swivel Hose End 30°**

Part No	AN	Thread	To Suit Hose
HF-6004-030	-4	7/16 X 20	Rubber hose
HF-6006-030	-6	9/16 X 18	Rubber hose
HF-6008-030	-8	3/4 X 16	Rubber hose
HF-6010-030	-10	7/8 X 14	Rubber hose
HF-6012-030	-12	1-1/16X12	Rubber hose
HF-6016-030	-16	1-5/16X12	Rubber hose
HF-6020-030	-20	1-5/8 X 12	Rubber hose



● **Swivel Hose End 45°**

Part No	AN	Thread	To Suit Hose
HF-6004-045	-4	7/16 X 20	Rubber hose
HF-6006-045	-6	9/16 X 18	Rubber hose
HF-6008-045	-8	3/4 X 16	Rubber hose
HF-6010-045	-10	7/8 X 14	Rubber hose
HF-6012-045	-12	1-1/16X12	Rubber hose
HF-6016-045	-16	1-5/16X12	Rubber hose
HF-6020-045	-20	1-5/8 X 12	Rubber hose



● **Swivel Hose End 60°**

Part No	AN	Thread	To Suit Hose
HF-6004-060	-4	7/16 X 20	Rubber hose
HF-6006-060	-6	9/16 X 18	Rubber hose
HF-6008-060	-8	3/4 X 16	Rubber hose
HF-6010-060	-10	7/8 X 14	Rubber hose
HF-6012-060	-12	1-1/16X12	Rubber hose
HF-6016-060	-16	1-5/16X12	Rubber hose
HF-6020-060	-20	1-5/8 X 12	Rubber hose



● **Swivel Hose End 90°**

Part No	AN	Thread	To Suit Hose
HF-6004-090	-4	7/16 X 20	Rubber hose
HF-6006-090	-6	9/16 X 18	Rubber hose
HF-6008-090	-8	3/4 X 16	Rubber hose
HF-6010-090	-10	7/8 X 14	Rubber hose
HF-6012-090	-12	1-1/16X12	Rubber hose
HF-6016-090	-16	1-5/16X12	Rubber hose
HF-6020-090	-20	1-5/8 X 12	Rubber hose



● **Swivel Hose End 150°**

Part No	AN	Thread	To Suit Hose
HF-6004-150	-4	7/16 X 20	Rubber hose
HF-6006-150	-6	9/16 X 18	Rubber hose
HF-6008-150	-8	3/4 X 16	Rubber hose
HF-6010-150	-10	7/8 X 14	Rubber hose
HF-6012-150	-12	1-1/16X12	Rubber hose
HF-6016-150	-16	1-5/16X12	Rubber hose
HF-6020-150	-20	1-5/8 X 12	Rubber hose



● **Swivel Hose End 120°**

Part No	AN	Thread	To Suit Hose
HF-6004-120	-4	7/16 X 20	Rubber hose
HF-6006-120	-6	9/16 X 18	Rubber hose
HF-6008-120	-8	3/4 X 16	Rubber hose
HF-6010-120	-10	7/8 X 14	Rubber hose
HF-6012-120	-12	1-1/16X12	Rubber hose
HF-6016-120	-16	1-5/16X12	Rubber hose
HF-6020-120	-20	1-5/8 X 12	Rubber hose



● **Swivel Hose End 180°**

Part No	AN	Thread	To Suit Hose
HF-6004-180	-4	7/16 X 20	Rubber hose
HF-6006-180	-6	9/16 X 18	Rubber hose
HF-6008-180	-8	3/4 X 16	Rubber hose
HF-6010-180	-10	7/8 X 14	Rubber hose
HF-6012-180	-12	1-1/16X12	Rubber hose
HF-6016-180	-16	1-5/16X12	Rubber hose
HF-6020-180	-20	1-5/8 X 12	Rubber hose

>> HIGH POLISHED SWIVEL HOSE ENDS



● Straight Hose Ends

Part No	AN	Thread	To Suit Hose
HF-5004-000	-4	7/16 X 20	Rubber hose
HF-5006-000	-6	9/16 X 18	Rubber hose
HF-5008-000	-8	3/4 X 16	Rubber hose
HF-5010-000	-10	7/8 X 14	Rubber hose
HF-5012-000	-12	1-1/16X12	Rubber hose
HF-5016-000	-16	1-5/16X12	Rubber hose
HF-5020-000	-20	1-5/8 X 12	Rubber hose



● Swivel Hose End 30°

Part No	AN	Thread	To Suit Hose
HF-5004-030	-4	7/16 X 20	Rubber hose
HF-5006-030	-6	9/16 X 18	Rubber hose
HF-5008-030	-8	3/4 X 16	Rubber hose
HF-5010-030	-10	7/8 X 14	Rubber hose
HF-5012-030	-12	1-1/16X12	Rubber hose
HF-5016-030	-16	1-5/16X12	Rubber hose
HF-5020-030	-20	1-5/8 X 12	Rubber hose



● Swivel Hose End 90°

Part No	AN	Thread	To Suit Hose
HF-5004-090	-4	7/16 X 20	Rubber hose
HF-5006-090	-6	9/16 X 18	Rubber hose
HF-5008-090	-8	3/4 X 16	Rubber hose
HF-5010-090	-10	7/8 X 14	Rubber hose
HF-5012-090	-12	1-1/16X12	Rubber hose
HF-5016-090	-16	1-5/16X12	Rubber hose
HF-5020-090	-20	1-5/8 X 12	Rubber hose



● Swivel Hose End 120°

Part No	AN	Thread	To Suit Hose
HF-5004-120	-4	7/16 X 20	Rubber hose
HF-5006-120	-6	9/16 X 18	Rubber hose
HF-5008-120	-8	3/4 X 16	Rubber hose
HF-5010-120	-10	7/8 X 14	Rubber hose
HF-5012-120	-12	1-1/16X12	Rubber hose
HF-5016-120	-16	1-5/16X12	Rubber hose
HF-5020-120	-20	1-5/8 X 12	Rubber hose



● Swivel Hose End 45°

Part No	AN	Thread	To Suit Hose
HF-5004-045	-4	7/16 X 20	Rubber hose
HF-5006-045	-6	9/16 X 18	Rubber hose
HF-5008-045	-8	3/4 X 16	Rubber hose
HF-5010-045	-10	7/8 X 14	Rubber hose
HF-5012-045	-12	1-1/16X12	Rubber hose
HF-5016-045	-16	1-5/16X12	Rubber hose
HF-5020-045	-20	1-5/8 X 12	Rubber hose



● Swivel Hose End 60°

Part No	AN	Thread	To Suit Hose
HF-5004-060	-4	7/16 X 20	Rubber hose
HF-5006-060	-6	9/16 X 18	Rubber hose
HF-5008-060	-8	3/4 X 16	Rubber hose
HF-5010-060	-10	7/8 X 14	Rubber hose
HF-5012-060	-12	1-1/16X12	Rubber hose
HF-5016-060	-16	1-5/16X12	Rubber hose
HF-5020-060	-20	1-5/8 X 12	Rubber hose



● Swivel Hose End 150°

Part No	AN	Thread	To Suit Hose
HF-5004-150	-4	7/16 X 20	Rubber hose
HF-5006-150	-6	9/16 X 18	Rubber hose
HF-5008-150	-8	3/4 X 16	Rubber hose
HF-5010-150	-10	7/8 X 14	Rubber hose
HF-5012-150	-12	1-1/16X12	Rubber hose
HF-5016-150	-16	1-5/16X12	Rubber hose
HF-5020-150	-20	1-5/8 X 12	Rubber hose



● Swivel Hose End 180°

Part No	AN	Thread	To Suit Hose
HF-5004-180	-4	7/16 X 20	Rubber hose
HF-5006-180	-6	9/16 X 18	Rubber hose
HF-5008-180	-8	3/4 X 16	Rubber hose
HF-5010-180	-10	7/8 X 14	Rubber hose
HF-5012-180	-12	1-1/16X12	Rubber hose
HF-5016-180	-16	1-5/16X12	Rubber hose
HF-5020-180	-20	1-5/8 X 12	Rubber hose

>> HIGH POLISHED SWIVEL HOSE ENDS

>> ONE PIECE SWIVEL HOSE ENDS



● 30° Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4204-030	-4	7/16 X 20	Rubber Hose
HF-4206-030	-6	9/16 X 18	Rubber Hose
HF-4208-030	-8	3/4 X 16	Rubber Hose
HF-4210-030	-10	7/8 X 14	Rubber Hose
HF-4212-030	-12	1-1/16X12	Rubber Hose
HF-4216-030	-16	1-5/16X12	Rubber Hose



● 45° Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4204-045	-4	7/16 X 20	Rubber Hose
HF-4206-045	-6	9/16 X 18	Rubber Hose
HF-4208-045	-8	3/4 X 16	Rubber Hose
HF-4210-045	-10	7/8 X 14	Rubber Hose
HF-4212-045	-12	1-1/16X12	Rubber Hose
HF-4216-045	-16	1-5/16X12	Rubber Hose



● 60° Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4204-060	-4	7/16 X 20	Rubber Hose
HF-4206-060	-6	9/16 X 18	Rubber Hose
HF-4208-060	-8	3/4 X 16	Rubber Hose
HF-4210-060	-10	7/8 X 14	Rubber Hose
HF-4212-060	-12	1-1/16X12	Rubber Hose
HF-4216-060	-16	1-5/16X12	Rubber Hose



● 90° Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4204-090	-4	7/16X20	Rubber Hose
HF-4206-090	-6	9/16X18	Rubber Hose
HF-4208-090	-8	3/4X16	Rubber Hose
HF-4210-090	-10	7/8X14	Rubber Hose
HF-4212-090	-12	1-1/16X12	Rubber Hose
HF-4216-090	-16	1-5/16X12	Rubber Hose



● 120° Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4204-120	-4	7/16X20	Rubber Hose
HF-4206-120	-6	9/16X18	Rubber Hose
HF-4208-120	-8	3/4X16	Rubber Hose
HF-4210-120	-10	7/8X14	Rubber Hose
HF-4212-120	-12	1-1/16X12	Rubber Hose
HF-4216-120	-16	1-5/16X12	Rubber Hose



● 150° Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4204-150	-4	7/16X20	Rubber Hose
HF-4206-150	-6	9/16X18	Rubber Hose
HF-4208-150	-8	3/4X16	Rubber Hose
HF-4210-150	-10	7/8X14	Rubber Hose
HF-4212-150	-12	1-1/16X12	Rubber Hose
HF-4216-150	-16	1-5/16X12	Rubber Hose



● 180° Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4204-180	-4	7/16X20	Rubber Hose
HF-4206-180	-6	9/16X18	Rubber Hose
HF-4208-180	-8	3/4X16	Rubber Hose
HF-4210-180	-10	7/8X14	Rubber Hose
HF-4212-180	-12	1-1/16X12	Rubber Hose
HF-4216-180	-16	1-5/16X12	Rubber Hose



● Swivel Sockets

Part No	AN	To Suit Hose
HF-4204-000	-4	Rubber Hose
HF-4206-000	-6	Rubber Hose
HF-4208-000	-8	Rubber Hose
HF-4210-000	-10	Rubber Hose
HF-4212-000	-12	Rubber Hose
HF-4216-000	-16	Rubber Hose

>> ONE PIECE SWIVEL HOSE ENDS

>> CUTTER STYLE SWIVEL HOSE ENDS



● Straight Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2203-04	-4	7/16 X 20	Rubber Hose
HF-2203-06	-6	9/16 X 18	Rubber Hose
HF-2203-08	-8	3/4 X 16	Rubber Hose
HF-2203-10	-10	7/8 X 14	Rubber Hose
HF-2203-12	-12	1-1/16X12	Rubber Hose
HF-2203-16	-16	1-5/16X12	Rubber Hose



● 30° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2203-3004	-4	7/16 X 20	Rubber Hose
HF-2203-3006	-6	9/16 X 18	Rubber Hose
HF-2203-3008	-8	3/4 X 16	Rubber Hose
HF-2203-3010	-10	7/8 X 14	Rubber Hose
HF-2203-3012	-12	1-1/16X12	Rubber Hose
HF-2203-3016	-16	1-5/16X12	Rubber Hose

>> CUTTER STYLE SWIVEL HOSE ENDS



● 90° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2203-9004	-4	7/16X20	Rubber Hose
HF-2203-9006	-6	9/16X18	Rubber Hose
HF-2203-9008	-8	3/4X16	Rubber Hose
HF-2203-9010	-10	7/8X14	Rubber Hose
HF-2203-9012	-12	1-1/16X12	Rubber Hose
HF-2203-9016	-16	1-5/16X12	Rubber Hose



● 120° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2203-1204	-4	7/16X20	Rubber Hose
HF-2203-1206	-6	9/16X18	Rubber Hose
HF-2203-1208	-8	3/4X16	Rubber Hose
HF-2203-1210	-10	7/8X14	Rubber Hose
HF-2203-1212	-12	1-1/16X12	Rubber Hose
HF-2203-1216	-16	1-5/16X12	Rubber Hose



● 45° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2203-4504	-4	7/16 X 20	Rubber Hose
HF-2203-4506	-6	9/16 X 18	Rubber Hose
HF-2203-4508	-8	3/4 X 16	Rubber Hose
HF-2203-4510	-10	7/8 X 14	Rubber Hose
HF-2203-4512	-12	1-1/16X12	Rubber Hose
HF-2203-4516	-16	1-5/16X12	Rubber Hose



● 60° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2203-6004	-4	7/16X20	Rubber Hose
HF-2203-6006	-6	9/16X18	Rubber Hose
HF-2203-6008	-8	3/4X16	Rubber Hose
HF-2203-6010	-10	7/8X14	Rubber Hose
HF-2203-6012	-12	1-1/16X12	Rubber Hose
HF-2203-6016	-16	1-5/16X12	Rubber Hose



● 150° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2203-1504	-4	7/16X20	Rubber Hose
HF-2203-1506	-6	9/16X18	Rubber Hose
HF-2203-1508	-8	3/4X16	Rubber Hose
HF-2203-1510	-10	7/8X14	Rubber Hose
HF-2203-1512	-12	1-1/16X12	Rubber Hose
HF-2203-1516	-16	1-5/16X12	Rubber Hose



● 180° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2203-1804	-4	7/16X20	Rubber Hose
HF-2203-1806	-6	9/16X18	Rubber Hose
HF-2203-1808	-8	3/4X16	Rubber Hose
HF-2203-1810	-10	7/8X14	Rubber Hose
HF-2203-1812	-12	1-1/16X12	Rubber Hose
HF-2203-1816	-16	1-5/16X12	Rubber Hose

>> ONE PIECE CUTTER SWIVEL HOSE ENDS



● 30° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2204-3004	-4	7/16 X 20	Rubber Hose
HF-2204-3006	-6	9/16 X 18	Rubber Hose
HF-2204-3008	-8	3/4 X 16	Rubber Hose
HF-2204-3010	-10	7/8 X 14	Rubber Hose
HF-2204-3023	-12	1-1/16X12	Rubber Hose



● 45° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2204-4504	-4	7/16 X 20	Rubber Hose
HF-2204-4506	-6	9/16 X 18	Rubber Hose
HF-2204-4508	-8	3/4 X 16	Rubber Hose
HF-2204-4510	-10	7/8 X 14	Rubber Hose
HF-2204-4512	-12	1-1/16X12	Rubber Hose



● 60° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2204-6004	-4	7/16 X 20	Rubber Hose
HF-2204-6006	-6	9/16 X 18	Rubber Hose
HF-2204-6008	-8	3/4 X 16	Rubber Hose
HF-2204-6010	-10	7/8 X 14	Rubber Hose
HF-2204-6012	-12	1-1/16X12	Rubber Hose



● 90° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2204-9004	-4	7/16X20	Rubber Hose
HF-2204-9006	-6	9/16X18	Rubber Hose
HF-2204-9008	-8	3/4X16	Rubber Hose
HF-2204-9010	-10	7/8X14	Rubber Hose
HF-2204-9012	-12	1-1/16X12	Rubber Hose

>> ONE PIECE CUTTER SWIVEL HOSE ENDS



● 120° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2204-1204	-4	7/16X20	Rubber Hose
HF-2204-1206	-6	9/16X18	Rubber Hose
HF-2204-1208	-8	3/4X16	Rubber Hose
HF-2204-1210	-10	7/8X14	Rubber Hose
HF-2204-1212	-12	1-1/16X12	Rubber Hose



● 150° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2204-1504	-4	7/16X20	Rubber Hose
HF-2204-1506	-6	9/16X18	Rubber Hose
HF-2204-1508	-8	3/4X16	Rubber Hose
HF-2204-1510	-10	7/8X14	Rubber Hose
HF-2204-1512	-12	1-1/16X12	Rubber Hose



● 180° Swivel Cutter Hose End

Part No	AN	Thread	To Suit Hose
HF-2204-1804	-4	7/16X20	Rubber Hose
HF-2204-1806	-6	9/16X18	Rubber Hose
HF-2204-1808	-8	3/4X16	Rubber Hose
HF-2204-1810	-10	7/8X14	Rubber Hose
HF-2204-1812	-12	1-1/16X12	Rubber Hose



● Hose End Sockets To Suit Cutter Style-alloy

Part No	AN	To Suit Hose
HF-2204-0403-00	-4	Rubber Hose
HF-2204-0603-00	-6	Rubber Hose
HF-2204-0803-00	-8	Rubber Hose
HF-2204-1003-00	-10	Rubber Hose
HF-2204-1203-00	-12	Rubber Hose
HF-2204-1603-00	-16	Rubber Hose
HF-2204-2003-00	-20	Rubber Hose

>> **PUSH LOCK HOSE ENDS**



● Straight Push Lock Hose End

Part No	AN	Thread	To Suit Hose
HF-4104-001	-4	7/16 X 20	Rubber Hose
HF-4106-001	-6	9/16 X 18	Rubber Hose
HF-4108-001	-8	3/4 X 16	Rubber Hose
HF-4110-001	-10	7/8 X 14	Rubber Hose
HF-4112-001	-12	1-1/16X12	Rubber Hose



● 30° Push-on Hose End

Part No	AN	Thread	To Suit Hose
HF-4104-030	-4	7/16 X 20	Rubber Hose
HF-4106-030	-6	9/16 X 18	Rubber Hose
HF-4108-030	-8	3/4 X 16	Rubber Hose
HF-4110-030	-10	7/8 X 14	Rubber Hose
HF-4112-030	-12	1-1/16X12	Rubber Hose

>> **PUSH LOCK HOSE ENDS**



● 90° Push-on Hose End

Part No	AN	Thread	To Suit Hose
HF-4104-090	-4	7/16X20	Rubber Hose
HF-4106-090	-6	9/16X18	Rubber Hose
HF-4108-090	-8	3/4X16	Rubber Hose
HF-4110-090	-10	7/8X14	Rubber Hose
HF-4112-090	-12	1-1/16X12	Rubber Hose



● 120° Push-on Hose End

Part No	AN	Thread	To Suit Hose
HF-4104-120	-4	7/16X20	Rubber Hose
HF-4106-120	-6	9/16X18	Rubber Hose
HF-4108-120	-8	3/4X16	Rubber Hose
HF-4110-120	-10	7/8X14	Rubber Hose
HF-4112-120	-12	1-1/16X12	Rubber Hose



● 45° Push-on Hose End

Part No	AN	Thread	To Suit Hose
HF-4104-045	-4	7/16 X 20	Rubber Hose
HF-4106-045	-6	9/16 X 18	Rubber Hose
HF-4108-045	-8	3/4 X 16	Rubber Hose
HF-4110-045	-10	7/8 X 14	Rubber Hose
HF-4112-045	-12	1-1/16X12	Rubber Hose



● 60° Push-on Hose End

Part No	AN	Thread	To Suit Hose
HF-4104-060	-4	7/16X20	Rubber Hose
HF-4106-060	-6	9/16X18	Rubber Hose
HF-4108-060	-8	3/4X16	Rubber Hose
HF-4110-060	-10	7/8X14	Rubber Hose
HF-4112-060	-12	1-1/16X12	Rubber Hose



● 150° Push-on Hose End

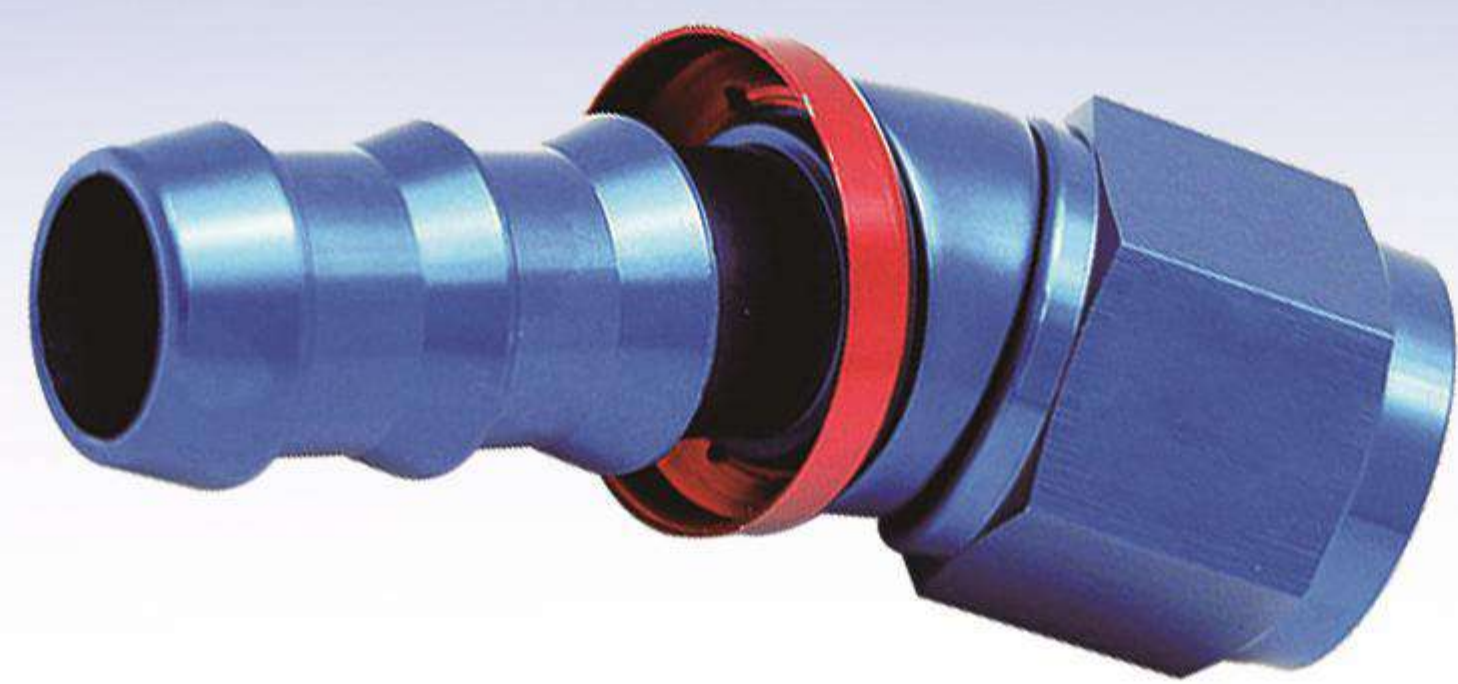
Part No	AN	Thread	To Suit Hose
HF-4104-150	-4	7/16X20	Rubber Hose
HF-4106-150	-6	9/16X18	Rubber Hose
HF-4108-150	-8	3/4X16	Rubber Hose
HF-4110-150	-10	7/8X14	Rubber Hose
HF-4112-150	-12	1-1/16X12	Rubber Hose



● 180° Push-on Hose End

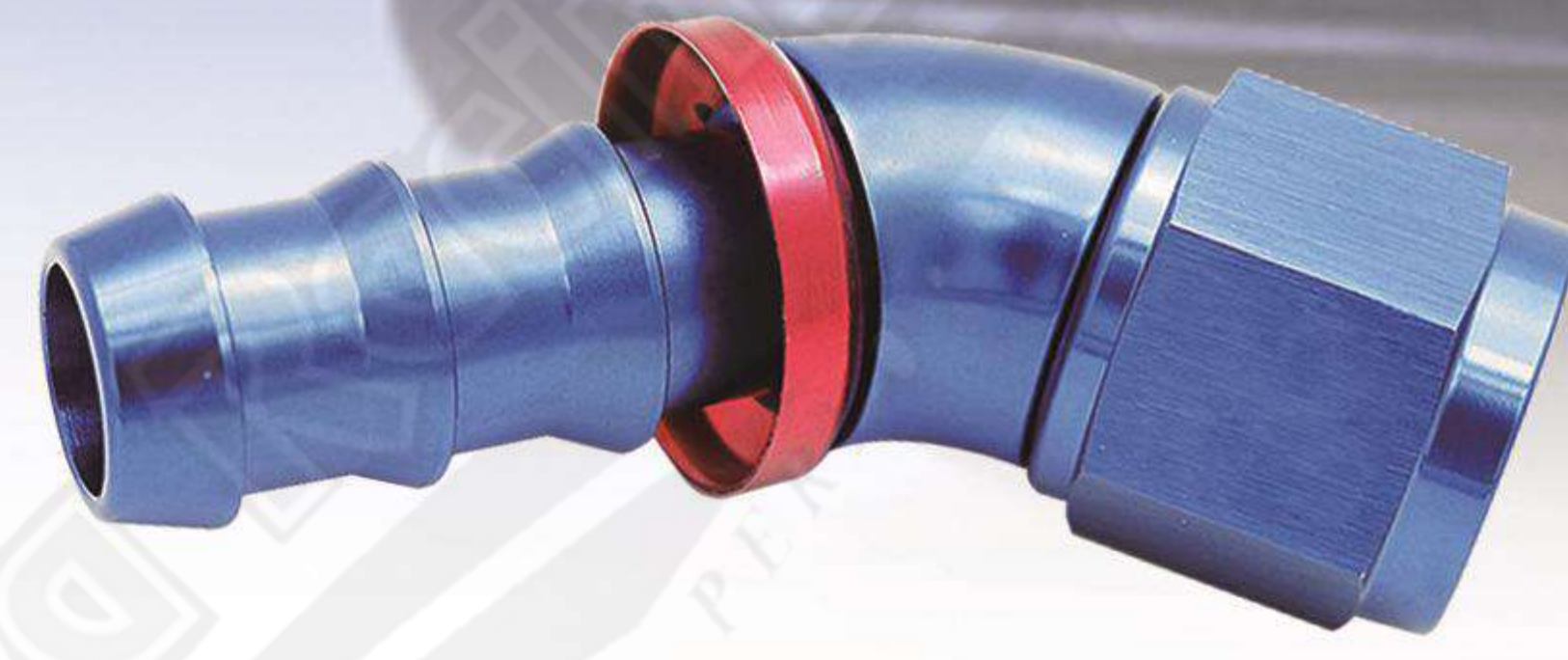
Part No	AN	Thread	To Suit Hose
HF-4104-180	-4	7/16X20	Rubber Hose
HF-4106-180	-6	9/16X18	Rubber Hose
HF-4108-180	-8	3/4X16	Rubber Hose
HF-4110-180	-10	7/8X14	Rubber Hose
HF-4112-180	-12	1-1/16X12	Rubber Hose

>> ONE PIECE PUSH LOCK HOSE ENDS



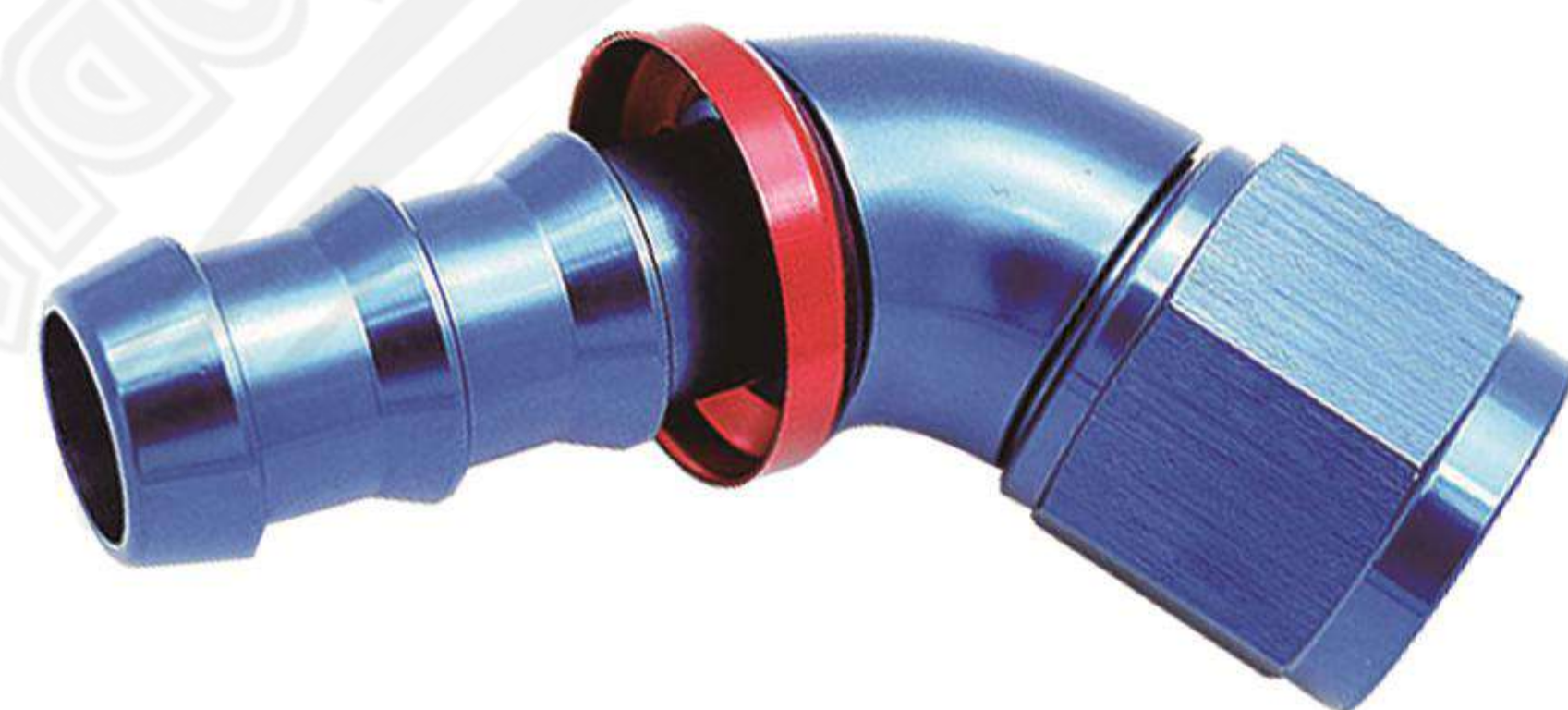
● 30° Push Lock Hose End

Part No	AN	Thread	To Suit Hose
HF-4504-030	-4	7/16 X 20	Rubber Hose
HF-4506-030	-6	9/16 X 18	Rubber Hose
HF-4508-030	-8	3/4 X 16	Rubber Hose
HF-4510-030	-10	7/8 X 14	Rubber Hose
HF-4512-030	-12	1-1/16X12	Rubber Hose



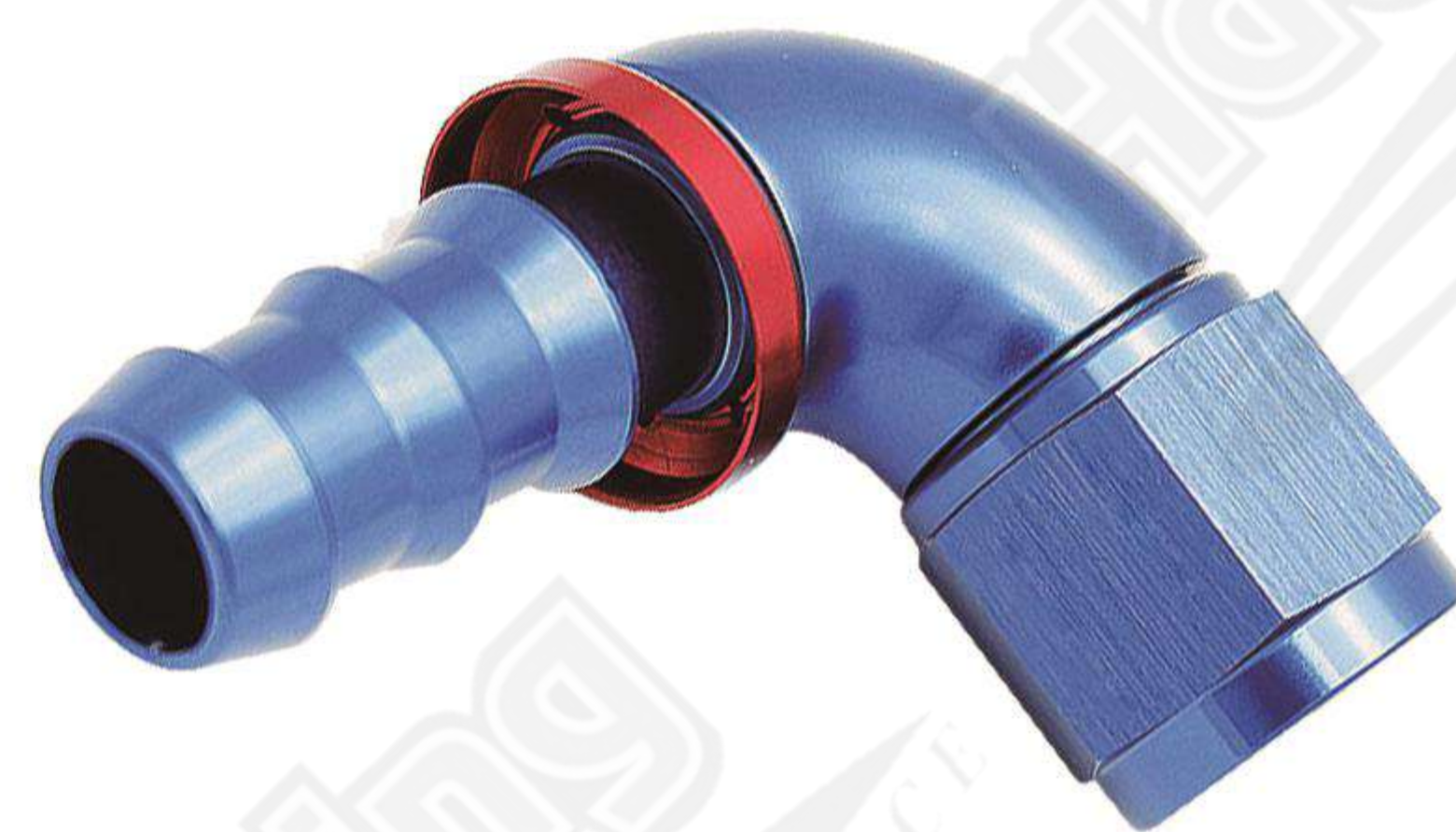
● 45° Push Lock Hose End

Part No	AN	Thread	To Suit Hose
HF-4504-045	-4	7/16 X 20	Rubber Hose
HF-4506-045	-6	9/16 X 18	Rubber Hose
HF-4508-045	-8	3/4 X 16	Rubber Hose
HF-4510-045	-10	7/8 X 14	Rubber Hose
HF-4512-045	-12	1-1/16X12	Rubber Hose



● 60° Push Lock Hose End

Part No	AN	Thread	To Suit Hose
HF-4504-060	-4	7/16 X 20	Rubber Hose
HF-4506-060	-6	9/16 X 18	Rubber Hose
HF-4508-060	-8	3/4 X 16	Rubber Hose
HF-4510-060	-10	7/8 X 14	Rubber Hose
HF-4512-060	-12	1-1/16X12	Rubber Hose



● 90° Push Lock Hose End

Part No	AN	Thread	To Suit Hose
HF-4504-090	-4	7/16X20	Rubber Hose
HF-4506-090	-6	9/16X18	Rubber Hose
HF-4508-090	-8	3/4X16	Rubber Hose
HF-4510-090	-10	7/8X14	Rubber Hose
HF-4512-090	-12	1-1/16X12	Rubber Hose



● 120° Push Lock Hose End

Part No	AN	Thread	To Suit Hose
HF-4504-120	-4	7/16X20	Rubber Hose
HF-4506-120	-6	9/16X18	Rubber Hose
HF-4508-120	-8	3/4X16	Rubber Hose
HF-4510-120	-10	7/8X14	Rubber Hose
HF-4512-120	-12	1-1/16X12	Rubber Hose



● 180° Push Lock Hose End

Part No	AN	Thread	To Suit Hose
HF-4504-180	-4	7/16X20	Rubber Hose
HF-4506-180	-6	9/16X18	Rubber Hose
HF-4508-180	-8	3/4X16	Rubber Hose
HF-4510-180	-10	7/8X14	Rubber Hose
HF-4512-180	-12	1-1/16X12	Rubber Hose



● 150° Push Lock Hose End

Part No	AN	Thread	To Suit Hose
HF-4504-150	-4	7/16X20	Rubber Hose
HF-4506-150	-6	9/16X18	Rubber Hose
HF-4508-150	-8	3/4X16	Rubber Hose
HF-4510-150	-10	7/8X14	Rubber Hose
HF-4512-150	-12	1-1/16X12	Rubber Hose



>> PTFE HOSE ENDS



● Straight PTFE Hose End

Part No	AN	Thread	To Suit Hose
HF-4603-001	-3	3/8 X 24	PTFE Hose
HF-4604-001	-4	7/16 X 20	PTFE Hose
HF-4606-001	-6	9/16 X 18	PTFE Hose
HF-4608-001	-8	3/4 X 16	PTFE Hose
HF-4610-001	-10	7/8X14	PTFE Hose
HF-4612-001	-12	1-1/16X12	PTFE Hose
HF-4616-001	-16	1-5/16X12	PTFE Hose



● 45° PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4603-045	-3	3/8 X 24	PTFE Hose
HF-4604-045	-4	7/16 X 20	PTFE Hose
HF-4606-045	-6	9/16 X 18	PTFE Hose
HF-4608-045	-8	3/4 X 16	PTFE Hose
HF-4610-045	-10	7/8X14	PTFE Hose
HF-4612-045	-12	1-1/16X12	PTFE Hose
HF-4616-045	-16	1-5/16X12	PTFE Hose



● 30° PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4603-030	-3	3/8 X 24	PTFE Hose
HF-4604-030	-4	7/16 X 20	PTFE Hose
HF-4606-030	-6	9/16 X 18	PTFE Hose
HF-4608-030	-8	3/4 X 16	PTFE Hose
HF-4610-030	-10	7/8X14	PTFE Hose
HF-4612-030	-12	1-1/16X12	PTFE Hose
HF-4616-030	-16	1-5/16X12	PTFE Hose



● 60° PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4603-060	-3	3/8 X 24	PTFE Hose
HF-4604-060	-4	7/16 X 20	PTFE Hose
HF-4606-060	-6	9/16 X 18	PTFE Hose
HF-4608-060	-8	3/4 X 16	PTFE Hose
HF-4610-060	-10	7/8X14	PTFE Hose
HF-4612-060	-12	1-1/16X12	PTFE Hose
HF-4616-060	-16	1-5/16X12	PTFE Hose

>> PTFE HOSE ENDS



● 90° PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4603-090	-3	3/8X24	PTFE Hose
HF-4604-090	-4	7/16 X 20	PTFE Hose
HF-4606-090	-6	9/16 X 18	PTFE Hose
HF-4608-090	-8	3/4 X 16	PTFE Hose
HF-4610-090	-10	7/8X14	PTFE Hose
HF-4612-090	-12	1-1/16X12	PTFE Hose
HF-4616-090	-16	1-5/16X12	PTFE Hose



● 150° PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4603-150	-3	3/8 X 24	PTFE Hose
HF-4604-150	-4	7/16 X 20	PTFE Hose
HF-4606-150	-6	9/16 X 18	PTFE Hose
HF-4608-150	-8	3/4 X 16	PTFE Hose
HF-4610-150	-10	7/8X14	PTFE Hose
HF-4612-150	-12	1-1/16X12	PTFE Hose
HF-4616-150	-16	1-5/16X12	PTFE Hose



● 120° PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4603-120	-3	3/8X24	PTFE Hose
HF-4604-120	-4	7/16 X 20	PTFE Hose
HF-4606-120	-6	9/16 X 18	PTFE Hose
HF-4608-120	-8	3/4 X 16	PTFE Hose
HF-4610-120	-10	7/8X14	PTFE Hose
HF-4612-120	-12	1-1/16X12	PTFE Hose
HF-4616-120	-16	1-5/16X12	PTFE Hose



● 180° PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4603-180	-3	3/8 X 24	PTFE Hose
HF-4604-180	-4	7/16 X 20	PTFE Hose
HF-4606-180	-6	9/16 X 18	PTFE Hose
HF-4608-180	-8	3/4 X 16	PTFE Hose
HF-4610-180	-10	7/8X14	PTFE Hose
HF-4612-180	-12	1-1/16X12	PTFE Hose
HF-4616-180	-16	1-5/16X12	PTFE Hose

>> ONE PIECE PTFE HOSE ENDS



● One Piece PTFE Hose End

Part No	AN	Thread	To Suit Hose
HF2205-0400	-4	7/16 X 20	PTFE Hose
HF2205-0600	-6	9/16 X 18	PTFE Hose
HF2205-0800	-8	3/4 X 16	PTFE Hose
HF2205-1000	-10	7/8 X 14	PTFE Hose



● 30° One Piece PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF2205-0430	-4	7/16 X 20	PTFE Hose
HF2205-0630	-6	9/16 X 18	PTFE Hose
HF2205-0830	-8	3/4 X 16	PTFE Hose
HF2205-1030	-10	7/8 X 14	PTFE Hose

>> ONE PIECE PTFE HOSE ENDS



● 90° One Piece PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF2205-0490	-4	7/16 X 20	PTFE Hose
HF2205-0690	-6	9/16 X 18	PTFE Hose
HF2205-0890	-8	3/4 X 16	PTFE Hose
HF2205-1090	-10	7/8 X 14	PTFE Hose



● 120° One Piece PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF2205-0412	-4	7/16 X 20	PTFE Hose
HF2205-0612	-6	9/16 X 18	PTFE Hose
HF2205-0812	-8	3/4 X 16	PTFE Hose
HF2205-1012	-10	7/8 X 14	PTFE Hose



● 45° One Piece PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF2205-0445	-4	7/16 X 20	PTFE Hose
HF2205-0645	-6	9/16 X 18	PTFE Hose
HF2205-0845	-8	3/4 X 16	PTFE Hose
HF2205-1045	-10	7/8 X 14	PTFE Hose



● 60° One Piece PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF2205-0460	-4	7/16 X 20	PTFE Hose
HF2205-0660	-6	9/16 X 18	PTFE Hose
HF2205-0860	-8	3/4 X 16	PTFE Hose
HF2205-1060	-10	7/8 X 14	PTFE Hose



● 150° One Piece PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF2205-0415	-4	7/16 X 20	PTFE Hose
HF2205-0615	-6	9/16 X 18	PTFE Hose
HF2205-0815	-8	3/4 X 16	PTFE Hose
HF2205-1015	-10	7/8 X 14	PTFE Hose



● 180° One Piece PTFE Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF2205-0418	-4	7/16 X 20	PTFE Hose
HF2205-0618	-6	9/16 X 18	PTFE Hose
HF2205-0818	-8	3/4 X 16	PTFE Hose
HF2205-1018	-10	7/8 X 14	PTFE Hose

>> FULL FLOW TEFLON HOSE END



● 30° Full Flow Teflon Hose End

Part No	AN	Thread	To Suit Hose
HF-4303-030	-3	3/8 X 24	PTFE Hose
HF-4304-030	-4	7/16 X 20	PTFE Hose
HF-4306-030	-6	9/16 X 18	PTFE Hose
HF-4308-030	-8	3/4 X 16	PTFE Hose
HF-4310-030	-10	7/8 X 14	PTFE Hose
HF-4312-030	-12	1-1/16X 12	PTFE Hose
HF-4316-030	-16	1-5/16 X 12	PTFE Hose



● 45° Full Flow Teflon Hose End

Part No	AN	Thread	To Suit Hose
HF-4303-045	-3	3/8 X 24	PTFE Hose
HF-4304-045	-4	7/16 X 20	PTFE Hose
HF-4306-045	-6	9/16 X 18	PTFE Hose
HF-4308-045	-8	3/4 X 16	PTFE Hose
HF-4310-045	-10	7/8 X 14	PTFE Hose
HF-4312-045	-12	1-1/16X 12	PTFE Hose
HF-4316-045	-16	1-5/16 X 12	PTFE Hose



● 60° Full Flow Teflon Hose End

Part No	AN	Thread	To Suit Hose
HF-4303-060	-3	3/8 X 24	PTFE Hose
HF-4304-060	-4	7/16 X 20	PTFE Hose
HF-4306-060	-6	9/16 X 18	PTFE Hose
HF-4308-060	-8	3/4 X 16	PTFE Hose
HF-4310-060	-10	7/8 X 14	PTFE Hose
HF-4312-060	-12	1-1/16X 12	PTFE Hose
HF-4316-060	-16	1-5/16 X 12	PTFE Hose



● 90° Full Flow Teflon Hose End

Part No	AN	Thread	To Suit Hose
HF-4303-090	-3	3/8 X 24	PTFE Hose
HF-4304-090	-4	7/16 X 20	PTFE Hose
HF-4306-090	-6	9/16 X 18	PTFE Hose
HF-4308-090	-8	3/4 X 16	PTFE Hose
HF-4310-090	-10	7/8 X 14	PTFE Hose
HF-4312-090	-12	1-1/16X 12	PTFE Hose
HF-4316-090	-16	1-5/16 X 12	PTFE Hose



● 120° Full Flow Teflon Hose End

Part No	AN	Thread	To Suit Hose
HF-4303-120	-3	3/8 X 24	PTFE Hose
HF-4304-120	-4	7/16 X 20	PTFE Hose
HF-4306-120	-6	9/16 X 18	PTFE Hose
HF-4308-120	-8	3/4 X 16	PTFE Hose
HF-4310-120	-10	7/8 X 14	PTFE Hose
HF-4312-120	-12	1-1/16X 12	PTFE Hose
HF-4316-120	-16	1-5/16 X 12	PTFE Hose



● 180° Full Flow Teflon Hose End

Part No	AN	Thread	To Suit Hose
HF-4303-180	-3	3/8 X 24	PTFE Hose
HF-4304-180	-4	7/16 X 20	PTFE Hose
HF-4306-180	-6	9/16 X 18	PTFE Hose
HF-4308-180	-8	3/4 X 16	PTFE Hose
HF-4310-180	-10	7/8 X 14	PTFE Hose
HF-4312-180	-12	1-1/16X 12	PTFE Hose
HF-4316-180	-16	1-5/16 X 12	PTFE Hose



● 150° Full Flow Teflon Hose End

Part No	AN	Thread	To Suit Hose
HF-4303-150	-3	3/8 X 24	PTFE Hose
HF-4304-150	-4	7/16 X 20	PTFE Hose
HF-4306-150	-6	9/16 X 18	PTFE Hose
HF-4308-150	-8	3/4 X 16	PTFE Hose
HF-4310-150	-10	7/8 X 14	PTFE Hose
HF-4312-150	-12	1-1/16X 12	PTFE Hose
HF-4316-150	-16	1-5/16 X 12	PTFE Hose



>> FEMALE FORGED ELBOW



● 45° Female Forged Elbow

Part No	AN	Thread	To Suit Hose
HF-4904-045	-4	7/16 X 20	Rubber Hose
HF-4906-045	-6	9/16 X 18	Rubber Hose
HF-4908-045	-8	3/4 X 16	Rubber Hose
HF-4910-045	-10	7/8 X 14	Rubber Hose
HF-4912-045	-12	1-1/16 X 12	Rubber Hose
HF-4916-045	-16	1-5/16X 12	Rubber Hose



● 90° Female Forged Elbow

Part No	AN	Thread	To Suit Hose
HF-4904-090	-4	7/16 X 20	Rubber Hose
HF-4906-090	-6	9/16 X 18	Rubber Hose
HF-4908-090	-8	3/4 X 16	Rubber Hose
HF-4910-090	-10	7/8 X 14	Rubber Hose
HF-4912-090	-12	1-1/16 X 12	Rubber Hose
HF-4916-090	-16	1-5/16X 12	Rubber Hose

>> PTFE FORGED ELBOW



● 45° PTFE Forged Elbow

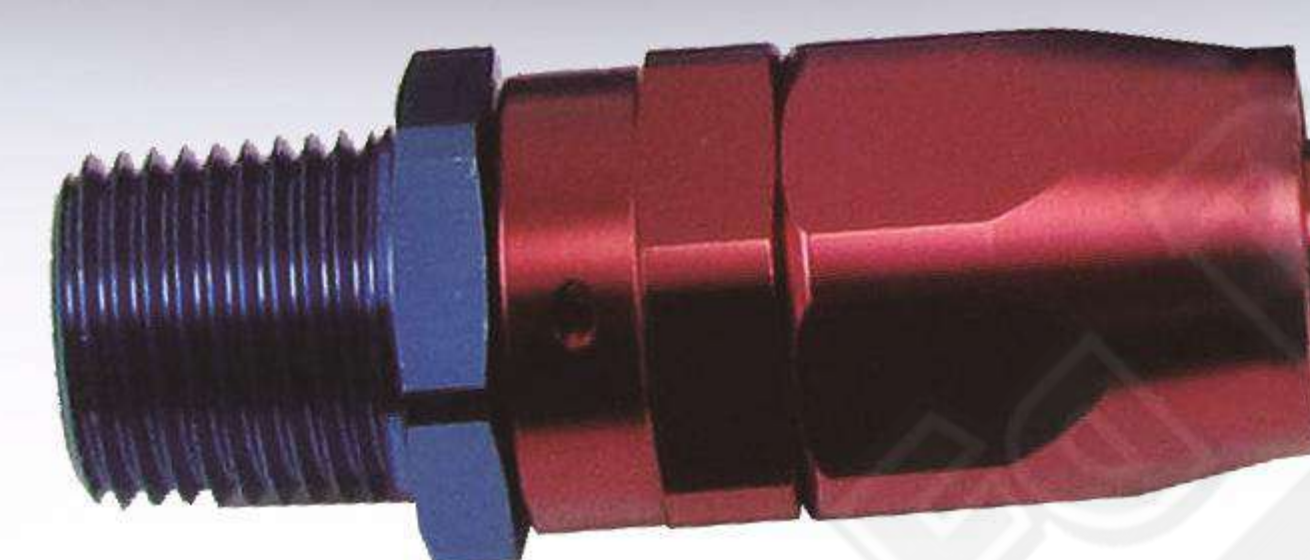
Part No	AN	Thread	To Suit Hose
HF-5003-045	-3	3/8 X 24	PTFE Hose
HF-5004-045	-4	7/16 X 20	PTFE Hose
HF-5006-045	-6	9/16 X 18	PTFE Hose
HF-5008-045	-8	3/4 X 16	PTFE Hose
HF-5010-045	-10	7/8 X 14	PTFE Hose
HF-5012-045	-12	1-1/16X 12	PTFE Hose



● 90° PTFE Forged Elbow

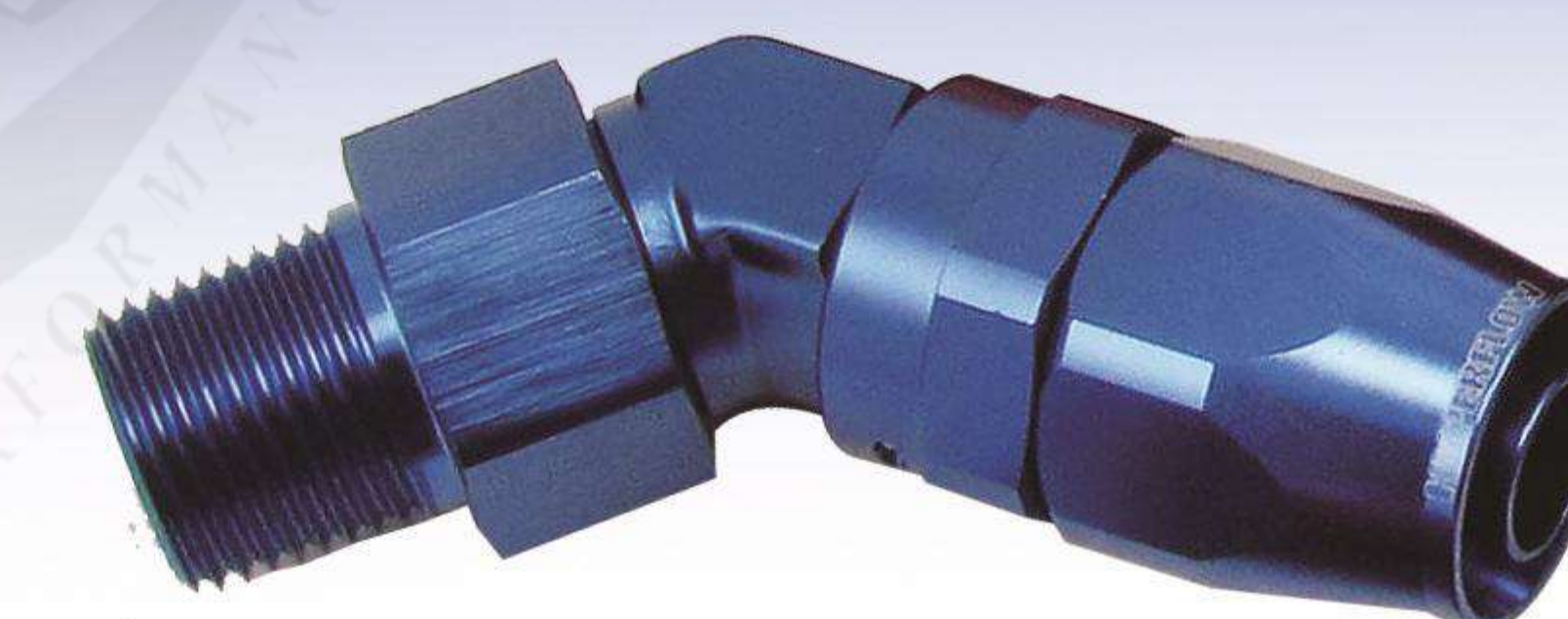
Part No	AN	Thread	To Suit Hose
HF-5003-090	-3	3/8 X 24	PTFE Hose
HF-5004-090	-4	7/16 X 20	PTFE Hose
HF-5006-090	-6	9/16 X 18	PTFE Hose
HF-5008-090	-8	3/4 X 16	PTFE Hose
HF-5010-090	-10	7/8 X 14	PTFE Hose
HF-5012-090	-12	1-1/16X 12	PTFE Hose

>> FORGED HOSE ENDS



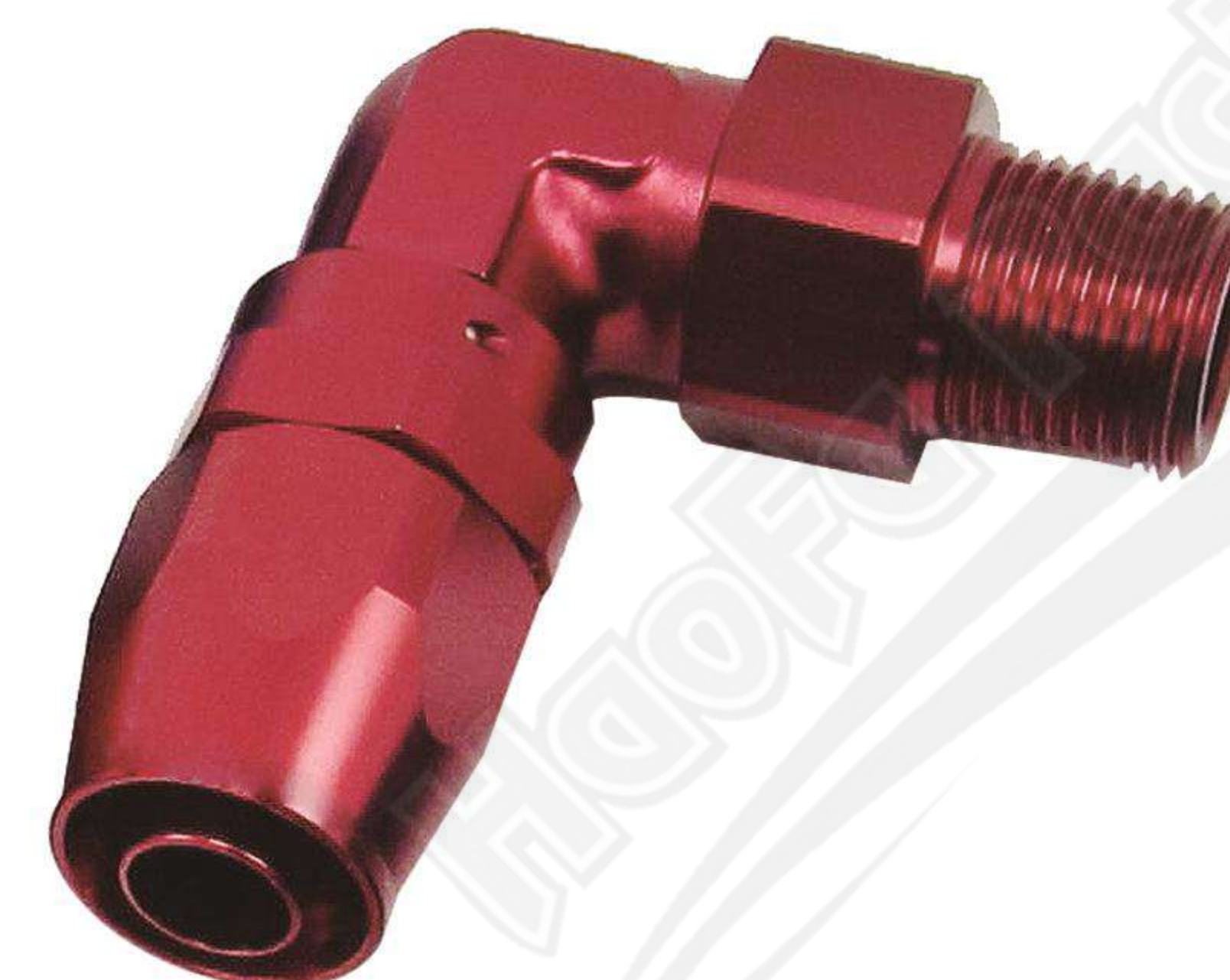
● NPT Straight Hose End

Part No	AN	Thread	To Suit Hose
HF-4706-000-1	-6	1/8" NPT	Rubber Hose
HF-4706-000-2	-6	1/4" NPT	Rubber Hose
HF-4706-000-3	-6	3/8" NPT	Rubber Hose
HF-4708-000-1	-8	1/4" NPT	Rubber Hose
HF-4708-000-2	-8	1/2" NPT	Rubber Hose
HF-4708-000-3	-8	3/8" NPT	Rubber Hose
HF-4710-000-1	-10	3/8" NPT	Rubber Hose
HF-4710-000-2	-10	1/2" NPT	Rubber Hose
HF-4712-000-1	-12	1/2" NPT	Rubber Hose
HF-4712-000-2	-12	3/4" NPT	Rubber Hose
HF-4716-000-1	-16	3/4" NPT	Rubber Hose
HF-4716-000-2	-16	1" NPT	Rubber Hose



● 45° NPT Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4706-045-1	-6	1/8" NPT	Rubber Hose
HF-4706-045-2	-6	1/4" NPT	Rubber Hose
HF-4706-045-3	-6	3/8" NPT	Rubber Hose
HF-4708-045-1	-8	1/4" NPT	Rubber Hose
HF-4708-045-2	-8	1/2" NPT	Rubber Hose
HF-4708-045-3	-8	3/8" NPT	Rubber Hose
HF-4710-045-1	-10	3/8" NPT	Rubber Hose
HF-4710-045-2	-10	1/2" NPT	Rubber Hose
HF-4712-045-1	-12	1/2" NPT	Rubber Hose
HF-4712-045-2	-12	3/4" NPT	Rubber Hose
HF-4716-045-1	-16	3/4" NPT	Rubber Hose
HF-4716-045-2	-16	1" NPT	Rubber Hose



● 90° NPT Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4706-090-1	-6	1/8" NPT	Rubber Hose
HF-4706-090-2	-6	1/4" NPT	Rubber Hose
HF-4706-090-3	-6	3/8" NPT	Rubber Hose
HF-4708-090-1	-8	1/4" NPT	Rubber Hose
HF-4708-090-2	-8	1/2" NPT	Rubber Hose
HF-4708-090-3	-8	3/8" NPT	Rubber Hose
HF-4710-090-1	-10	3/8" NPT	Rubber Hose
HF-4710-090-2	-10	1/2" NPT	Rubber Hose
HF-4712-090-1	-12	1/2" NPT	Rubber Hose
HF-4712-090-2	-12	3/4" NPT	Rubber Hose
HF-4716-090-1	-16	3/4" NPT	Rubber Hose
HF-4716-090-2	-16	1" NPT	Rubber Hose

>> FORGED HOSE ENDS



● Male AN Atraight Hose End

Part No	AN	Thread	To Suit Hose
HF-4804-000	-4	7/16 X 20	Rubber Hose
HF-4806-000	-6	9/16 X 18	Rubber Hose
HF-4808-000	-8	3/4 X 16	Rubber Hose
HF-4810-000	-10	7/8 X 14	Rubber Hose
HF-4812-000	-12	1-1/16 X 12	Rubber Hose
HF-4816-000	-16	1-5/16X 12	Rubber Hose

● 90° ORB Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4806-090-1	-6	7/16 X 20	Rubber Hose
HF-4806-090-2	-6	1/2 X 20	Rubber Hose
HF-4806-090-3	-6	9/16 X 18	Rubber Hose
HF-4806-090-4	-6	3/4 X 16	Rubber Hose
HF-4808-090-1	-8	9/16 X 18	Rubber Hose
HF-4808-090-2	-8	3/4X 16	Rubber Hose
HF-4808-090-3	-8	7/8X 14	Rubber Hose
HF-4810-090-1	-10	3/4X 16	Rubber Hose
HF-4810-090-2	-10	7/8X 14	Rubber Hose
HF-4810-090-3	-10	1-1/16X 12	Rubber Hose
HF-4812-090-1	-12	7/8X 14	Rubber Hose
HF-4812-090-2	-12	1-1/16X 12	Rubber Hose
HF-4816-090-1	-16	1-1/16X 12	Rubber Hose
HF-4816-090-2	-16	1-5/16X 12	Rubber Hose



● 45° ORB Swivel Hose End

Part No	AN	Thread	To Suit Hose
HF-4806-045-1	-6	7/16 X 20	Rubber Hose
HF-4806-045-2	-6	1/2 X 20	Rubber Hose
HF-4806-045-3	-6	9/16 X 18	Rubber Hose
HF-4806-045-4	-6	3/4 X 16	Rubber Hose
HF-4808-045-1	-8	9/16 X 18	Rubber Hose
HF-4808-045-2	-8	3/4 X 16	Rubber Hose
HF-4808-045-3	-8	7/8 X 14	Rubber Hose
HF-4810-045-1	-10	3/4 X 16	Rubber Hose
HF-4810-045-2	-10	7/8 X 14	Rubber Hose
HF-4810-045-3	-10	1-1/16 X 12	Rubber Hose
HF-4812-045-1	-12	7/8 X 14	Rubber Hose
HF-4812-045-2	-12	1-1/16 X 12	Rubber Hose
HF-4816-045-1	-16	1-1/16 X 12	Rubber Hose
HF-4816-045-2	-16	1-5/16 X 12	Rubber Hose



>> FORGED HOSE ENDS



● 45° Female Forged Elbow

Part No	AN	Thread	To Suit Hose
HF-4904-045	-4	7/16X20	Rubber Hose
HF-4906-045	-6	9/16X18	Rubber Hose
HF-4908-045	-8	3/4X16	Rubber Hose
HF-4910-045	-10	7/8X14	Rubber Hose
HF-4912-045	-12	1-1/16X12	Rubber Hose
HF-4916-045	-16	1-5/16X12	Rubber Hose



● 90° Female Forged Elbow

Part No	AN	Thread	To Suit Hose
HF-4904-090	-4	7/16X20	Rubber Hose
HF-4906-090	-6	9/16X18	Rubber Hose
HF-4908-090	-8	3/4X16	Rubber Hose
HF-4910-090	-10	7/8X14	Rubber Hose
HF-4912-090	-12	1-1/16X12	Rubber Hose
HF-4916-090	-16	1-5/16X12	Rubber Hose

>> FORGED STYLE CUTTER HOSE ENDS



● NPT Straight Cutter Hose End

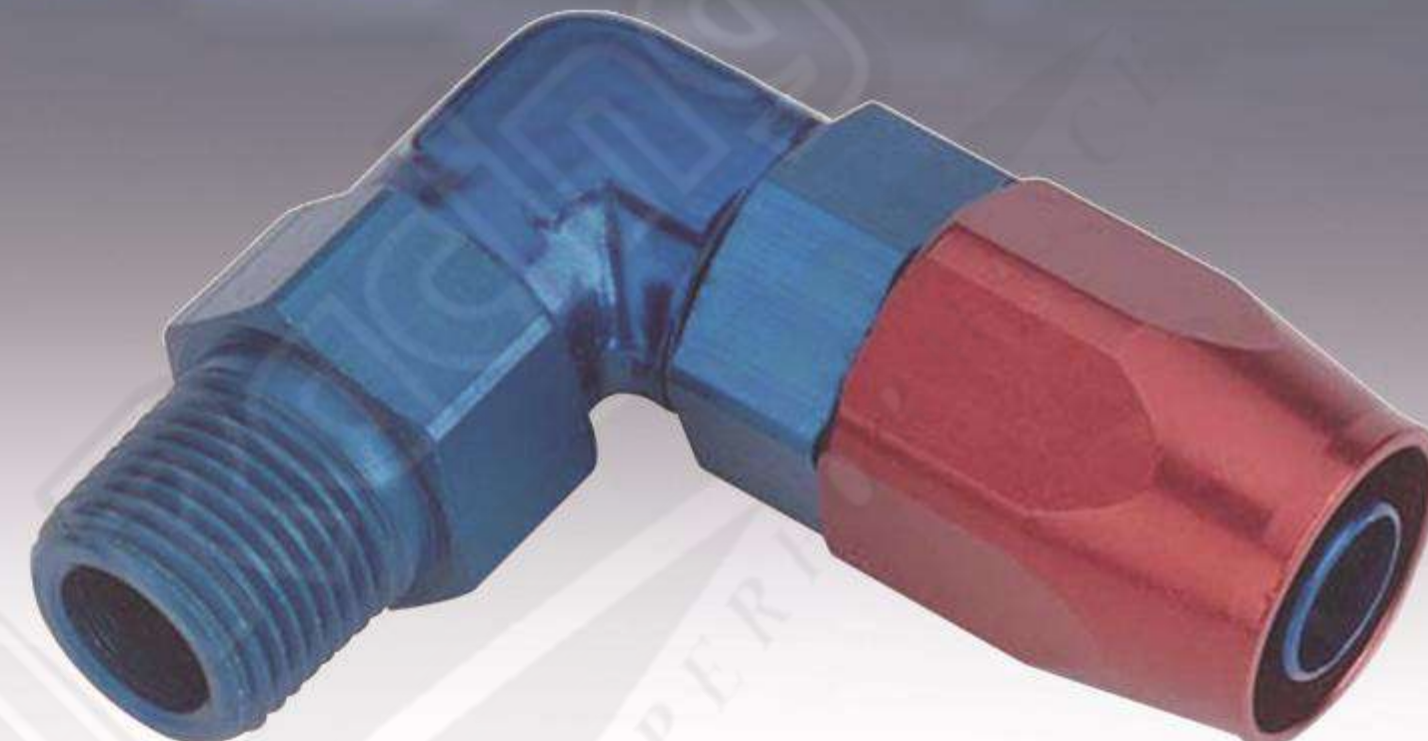
Part No	NPT	To Suit Hose
HFANCUT2206-6-2D	1/8" NPT	Rubber Hose
HFANCUT2206-6D	1/4" NPT	Rubber Hose
HFANCUT2206-6-6D	3/8" NPT	Rubber Hose
HFANCUT2206-7D	1/4" NPT	Rubber Hose
HFANCUT2206-8D	3/8" NPT	Rubber Hose
HFANCUT2206-8-8D	1/2" NPT	Rubber Hose
HFANCUT2206-10-6D	3/8" NPT	Rubber Hose
HFANCUT2206-10D	1/2" NPT	Rubber Hose
HFANCUT2206-12-8D	1/2" NPT	Rubber Hose
HFANCUT2206-12D	3/4" NPT	Rubber Hose
HFANCUT2206-16-12D	3/4" NPT	Rubber Hose
HFANCUT2206-16D	1" NPT	Rubber Hose

>> FORGED STYLE CUTTER HOSE ENDS



● 45° NPT Swivel Cutter Hose End

Part No	NPT	To Suit Hose
HFANCUT2206-456-2D	1/8"	Rubber Hose
HFANCUT2206-45-6D	1/4"	Rubber Hose
HFANCUT2206-456-D	3/8"	Rubber Hose
HFANCUT2206-45-7D	1/4"	Rubber Hose
HFANCUT2206-45-8D	3/8"	Rubber Hose
HFANCUT2206-458-8D	1/2"	Rubber Hose
HFANCUT2206-4510-6D	3/8"	Rubber Hose
HFANCUT2206-45-10D	1/2"	Rubber Hose
HFANCUT2206-4512-8D	1/2"	Rubber Hose
HFANCUT2206-45-12D	3/4"	Rubber Hose
HFANCUT2206-4516-12D	3/4"	Rubber Hose
HFANCUT2206-45-16D	1"	Rubber Hose



● 90° NPT Swivel Cutter Hose End

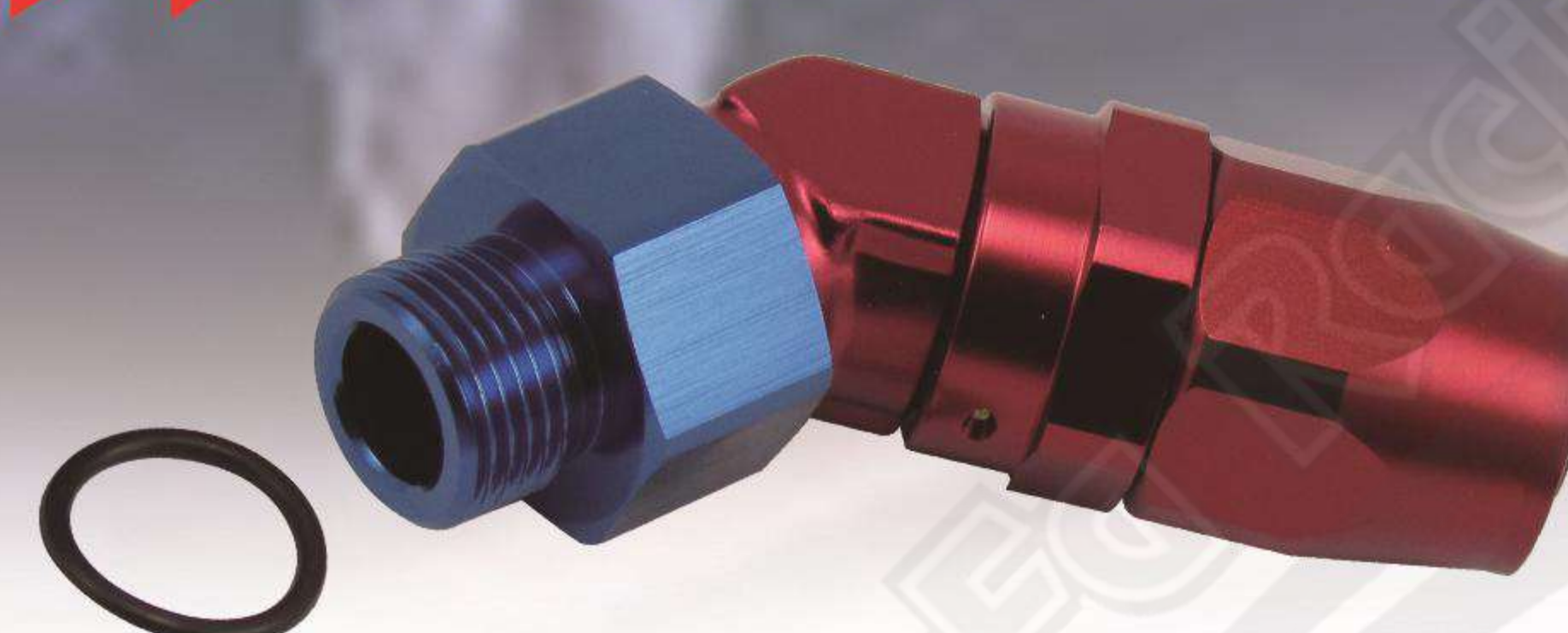
Part No	NPT	To Suit Hose
HFANCUT2206-906-2D	1/8"	Rubber Hose
HFANCUT2206-90-6D	1/4"	Rubber Hose
HFANCUT2206-906-6D	3/8"	Rubber Hose
HFANCUT2206-90-7D	1/4"	Rubber Hose
HFANCUT2206-90-8D	3/8"	Rubber Hose
HFANCUT2206-908-8D	1/2"	Rubber Hose
HFANCUT2206-9010-6D	3/8"	Rubber Hose
HFANCUT2206-90-10D	1/2"	Rubber Hose
HFANCUT2206-9012-8D	1/2"	Rubber Hose
HFANCUT2206-90-12D	3/4"	Rubber Hose
HFANCUT2206-9016-12D	3/4"	Rubber Hose
HFANCUT2206-90-16D	1"	Rubber Hose

Part No	AN	To Suit Hose
HFANCUT2206-6	-6	Rubber Hose
HFANCUT2206-8	-8	Rubber Hose
HFANCUT2206-10	-10	Rubber Hose
HFANCUT2206-12	-12	Rubber Hose
HFANCUT2206-16	-16	Rubber Hose



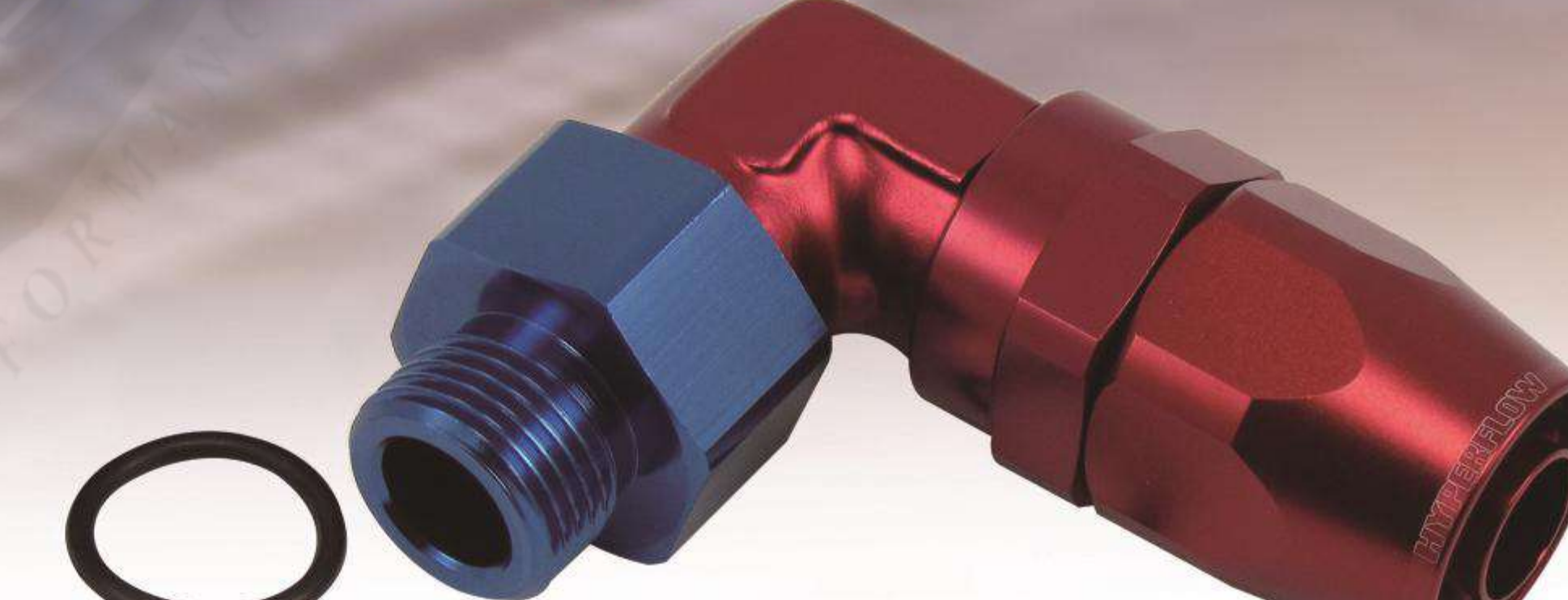
● Male AN Straight Cutter Hose End

>> FORGED STYLE CUTTER HOSE ENDS



● 45° ORB Swivel Cutter Hose End

Part No	AN	To Suit Hose
HFANCUT2207-456-1	-4	Rubber Hose
HFANCUT2207-456-2	-5	Rubber Hose
HFANCUT2207-456-3	-6	Rubber Hose
HFANCUT2207-456-4	-8	Rubber Hose
HFANCUT2207-458-1	-6	Rubber Hose
HFANCUT2207-458-2	-8	Rubber Hose
HFANCUT2207-458-3	-10	Rubber Hose
HFANCUT2207-4510-1	-8	Rubber Hose
HFANCUT2207-4510-2	-10	Rubber Hose
HFANCUT2207-4510-3	-12	Rubber Hose
HFANCUT2207-4512-1	-10	Rubber Hose
HFANCUT2207-4512-2	-12	Rubber Hose
HFANCUT2207-4516-1	-12	Rubber Hose
HFANCUT2207-4516-2	-16	Rubber Hose



● 90° ORB Swivel Cutter Hose End

Part No	AN	To Suit Hose
HFANCUT2207-906-1	-4	Rubber Hose
HFANCUT2207-906-2	-5	Rubber Hose
HFANCUT2207-906-3	-6	Rubber Hose
HFANCUT2207-906-4	-8	Rubber Hose
HFANCUT2207-908-1	-6	Rubber Hose
HFANCUT2207-908-2	-8	Rubber Hose
HFANCUT2207-908-3	-10	Rubber Hose
HFANCUT2207-9010-1	-8	Rubber Hose
HFANCUT2207-9010-2	-10	Rubber Hose
HFANCUT2207-9010-3	-12	Rubber Hose
HFANCUT2207-9012-1	-10	Rubber Hose
HFANCUT2207-9012-2	-12	Rubber Hose
HFANCUT2207-9016-1	-12	Rubber Hose
HFANCUT2207-9016-2	-16	Rubber Hose



● 45° Cutter Female Forged Elbow

Part No	AN	To Suit Hose
HFANCUT2208-456	-6	Rubber Hose
HFANCUT2208-458	-8	Rubber Hose
HFANCUT2208-4510	-10	Rubber Hose
HFANCUT2208-4512	-12	Rubber Hose
HFANCUT2208-4516	-16	Rubber Hose



● 90° Cutter Female Forged Elbow

Part No	AN	To Suit Hose
HFANCUT2208-906	-6	Rubber Hose
HFANCUT2208-908	-8	Rubber Hose
HFANCUT2208-9010	-10	Rubber Hose
HFANCUT2208-9012	-12	Rubber Hose
HFANCUT2208-9016	-16	Rubber Hose

>> HARD LINE FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Tube To Female AN Adapter

Part No	AN	Tube
HFF2209-04	-4	1/4"
HFF2209-05	-6	5/16"
HFF2209-06	-6	3/8"
HFF2209-08	-8	1/2"
HFF2209-10	-10	5/8"
HFF2209-12	-12	3/4"



● Tube To Male AN Adapter

Part No	AN	Tube
HFM2209-04	-4	1/4"
HFM2209-05	-6	5/16"
HFM2209-06	-6	3/8"
HFM2209-08	-8	1/2"
HFM2209-10	-10	5/8"
HFM2209-12	-12	3/4"



● Replacement Hard Line Olives

Part No	Size	I.D.
HF-5113-4	-4	1/4"
HF-5113-5	-5	5/16"
HF-5113-6	-6	3/8"
HF-5113-8	-8	1/2"
HF-5113-10	-10	5/8"
HF-5113-12	-12	3/4"



● AN Tube Nuts

Part No	Size	I.D.	Material
HF-923-3	-3	3/16"	AL.BR.SS.ST
HF-923-4	-4	1/4"	AL.BR.SS.ST
HF-923-6	-6	5/16&3/8"	AL.BR.SS.ST
HF-923-8	-8	1/2"	AL.BR.SS.ST
HF-923-10	-10	5/8"	AL.BR.SS.ST
HF-923-12	-12	3/4"	AL.BR.SS.ST
HF-923-16	-16	1"	AL.BR.SS.ST



● AN Tube Sleeves

Part No	I.D.	Material
HF-924-3	3/16"	AL.BR.SS.ST
HF-924-4	1/4"	AL.BR.SS.ST
HF-924-5	5/16"	AL.BR.SS.ST
HF-924-6	3/8"	AL.BR.SS.ST
HF-924-8	1/2"	AL.BR.SS.ST
HF-924-10	5/8"	AL.BR.SS.ST
HF-924-12	3/4"	AL.BR.SS.ST
HF-924-16	1"	AL.BR.SS.ST

>> HARD LINE AND TUBE STRAIGHTENER

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



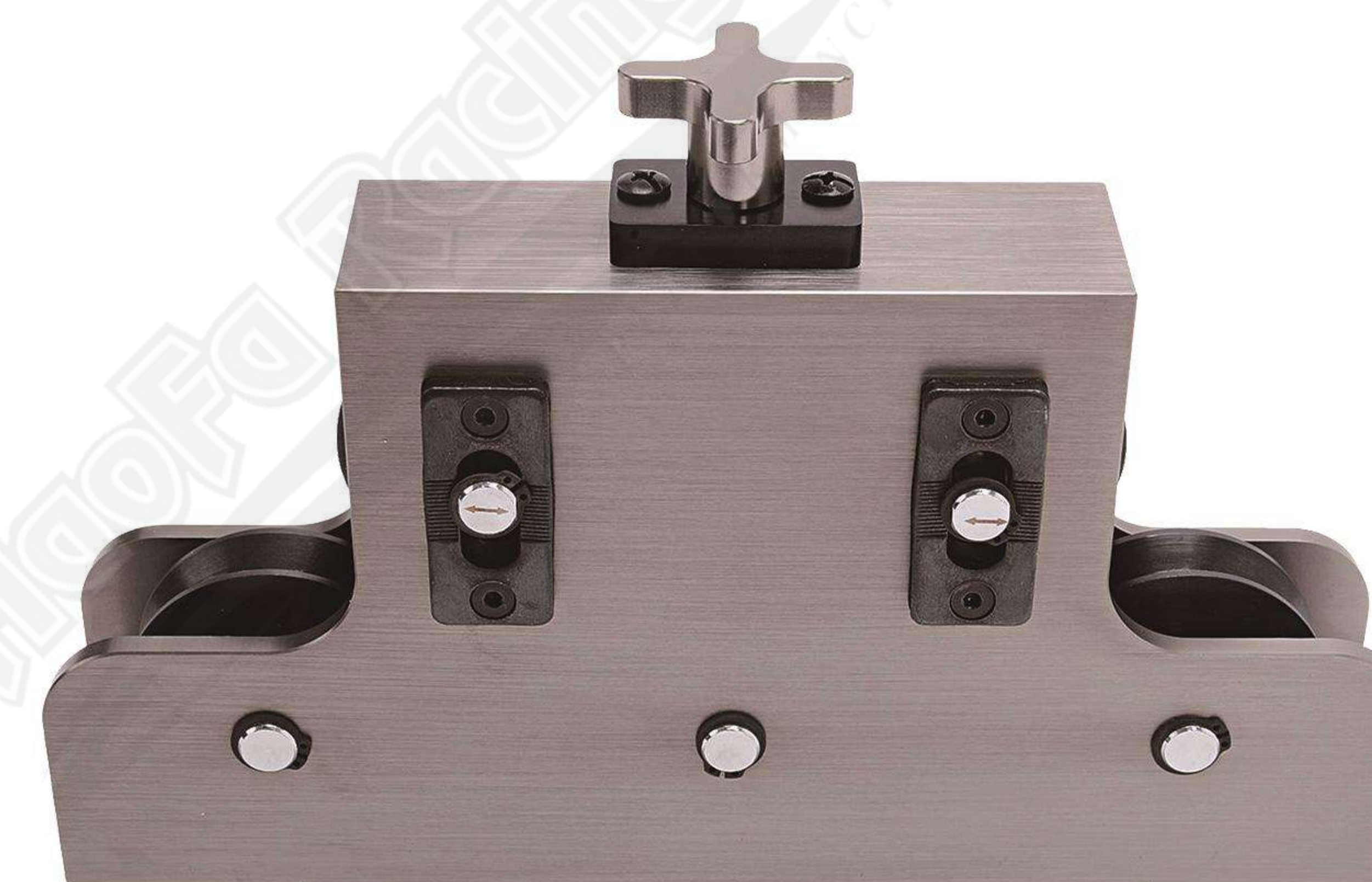
● AL Hard Line

Part No	OD	Material	Al Colour
HF2210-4	1/4"	AL/SS	Red/Blue/Black/Raw
HF2210-5	5/16"	AL	Red/Blue/Black/Raw
HF2210-6	3/8"	AL/SS	Red/Blue/Black/Raw
HF2210-8	1/2"	AL	Red/Blue/Black/Raw
HF2210-10	5/8"	AL	Red/Blue/Black/Raw

● Tube Straightener Tool

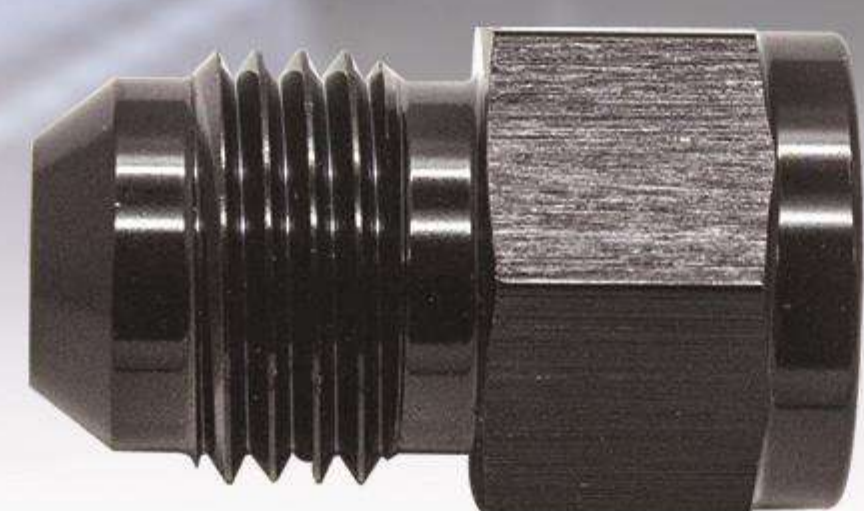
Part No	Description	Colour
HF-01030	Fit tube from 3/16" to 1/2"	B

Coiled tubing is impossible to make perfectly straight with just your hands, however this tool, placed in a vice will straighten that coiled pipe in seconds and give the pipe project an immediate professional look with almost no work from you. so simple, so necessary!



>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● AN Male To Metric Female Adapter

Part No	AN	Metric
HF2211-06-M1210	AN6	M12X1.0
HF2211-06-M1215	AN6	M12X1.5
HF2211-06-M1415	AN6	M14X1.5
HF2211-06-M1615	AN6	M16X1.5
HF2211-08-M1210	AN8	M12X1.0
HF2211-08-M1215	AN8	M12X1.5
HF2211-08-M1415	AN8	M14X1.5
HF2211-08-M1615	AN8	M16X1.5



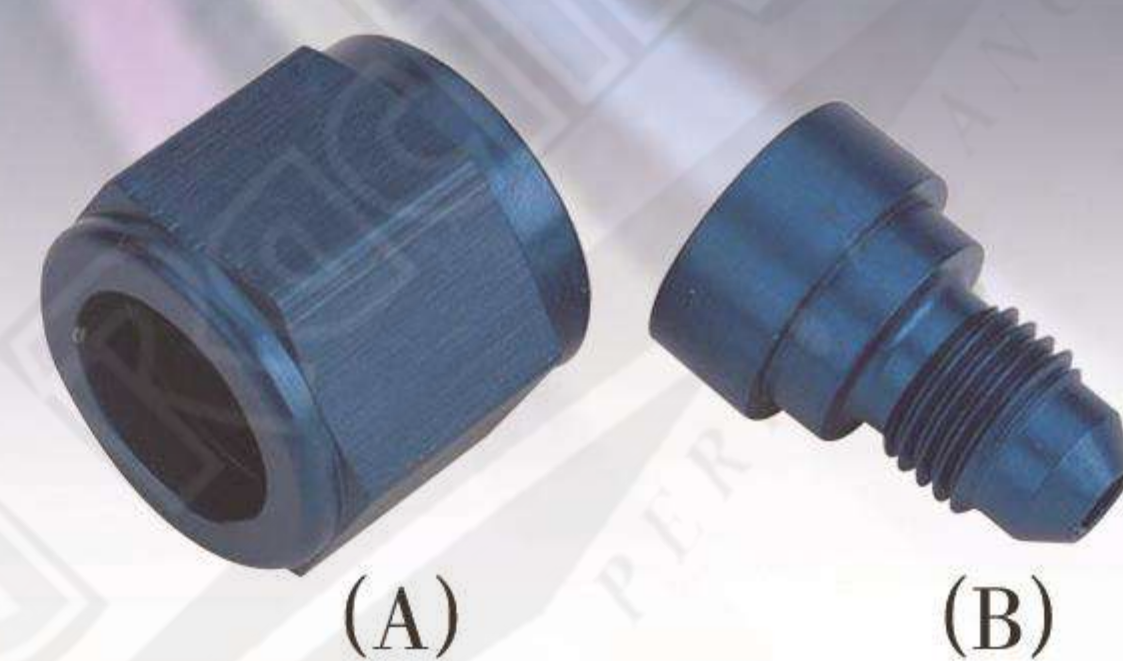
● ORB To Metric Female Adapter

Part No	ORB	Metric	Material
HFAN2212-06-M1215	AN6	M12X1.5	AL.BR.SS.ST
HFAN2212-06-M1815	AN6	M18X1.5	AL.BR.SS.ST
HFAN2212-08-M1215	AN8	M12X1.5	AL.BR.SS.ST
HFAN2212-08-M1815	AN8	M18X1.5	AL.BR.SS.ST



● ORB To Metric Adapter

Part No	ORB	Metric	Material
HFAN2214-06-M1215	AN6	M12X1.5	AL.BR.SS.ST
HFAN2214-06-M1415	AN6	M14X1.5	AL.BR.SS.ST
HFAN2214-06-M1615	AN6	M16X1.5	AL.BR.SS.ST
HFAN2214-06-M1815	AN6	M18X1.5	AL.BR.SS.ST
HFAN2214-08-M1215	AN8	M12X1.5	AL.BR.SS.ST
HFAN2214-08-M1415	AN8	M14X1.5	AL.BR.SS.ST
HFAN2214-08-M1615	AN8	M16X1.5	AL.BR.SS.ST
HFAN2214-08-M1815	AN8	M18X1.5	AL.BR.SS.ST



● Flare Reducers

Part No	AN(A)	AN(B)	Material
HF854-0604	-6	-4	AL,SS,ST,BR
HF854-0806	-8	-6	AL,SS,ST,BR
HF854-1006	-10	-6	AL,SS,ST,BR
HF854-1008	-10	-8	AL,SS,ST,BR
HF854-1208	-12	-8	AL,SS,ST,BR
HF854-1210	-12	-10	AL,SS,ST,BR



● NPT Male Couplers

Part No	AN	Material
HFAN2213-04	1/8"	AL.BR.SS.ST
HFAN2213-06	1/4"	AL.BR.SS.ST
HFAN2213-08	3/8"	AL.BR.SS.ST
HFAN2213-10	1/2"	AL.BR.SS.ST
HFAN2213-12	3/4"	AL.BR.SS.ST
HFAN2213-16	1"	AL.BR.SS.ST



● NPT Pipe Reducers (A)

Part No	NPT(A)	NPT(B)	Material
HF2215-1/4-1/8	1/8"	1/4"	AL.BR.SS.ST
HF2215-3/8-1/8	1/8"	3/8"	AL.BR.SS.ST
HF2215-3/8-1/4	1/4"	3/8"	AL.BR.SS.ST
HF2215-1/2-1/8	1/8"	1/2"	AL.BR.SS.ST
HF2215-1/2-1/4	1/4"	1/2"	AL.BR.SS.ST
HF2215-1/2-3/8	3/8"	1/2"	AL.BR.SS.ST
HF2215-3/4-1/4	1/4"	3/4"	AL.BR.SS.ST
HF2215-3/4-3/8	3/8"	3/4"	AL.BR.SS.ST
HF2215-3/4-1/2	1/2"	3/4"	AL.BR.SS.ST

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Straight Bulkhead AN

Part No	AN	Material
HF-823-3	-3	AL.SS.ST
HF-823-4	-4	AL.SS.ST
HF-823-6	-6	AL.SS.ST
HF-823-8	-8	AL.SS.ST
HF-823-10	-10	AL.SS.ST
HF-823-12	-12	AL.SS.ST
HF-823-16	-16	AL.SS.ST
HF-823-20	-20	AL.SS.ST



● 90° Bulkhead AN

Part No	AN	Material
HF-824-3	-3	AL.SS.ST
HF-824-4	-4	AL.SS.ST
HF-824-6	-6	AL.SS.ST
HF-824-8	-8	AL
HF-824-10	-10	AL
HF-824-12	-12	AL
HF-824-16	-16	AL



● AN Flare Caps

Part No	AN	Material
HF-849-3	-3	AL.SS.ST.BR
HF-849-4	-4	AL.SS.ST.BR
HF-849-6	-6	AL.SS.ST.BR
HF-849-8	-8	AL.SS.ST.BR
HF-849-10	-10	AL.SS.ST.BR
HF-849-12	-12	AL.SS.ST.BR
HF-849-16	-16	AL.SS.ST.BR



● 45° Bulkhead AN

Part No	AN	Material
HF-822-3	-3	AL.SS.ST
HF-822-4	-4	AL.SS.ST
HF-822-6	-6	AL.SS.ST
HF-822-8	-8	AL
HF-822-10	-10	AL
HF-822-12	-12	AL
HF-822-16	-16	AL
HF-822-20	-20	AL



● Bulkhead AN Tee On The Run

Part No	AN	Material
HF-821-3	-3	AL.SS.ST
HF-821-4	-4	AL.SS.ST
HF-821-6	-6	AL.SS.ST
HF-821-8	-8	AL
HF-821-10	-10	AL
HF-821-12	-12	AL
HF-821-16	-16	AL
HF-821-20	-20	AL



● AN Swivel Nut Flare Caps

Part No	AN	Material
HF-850-3	-3	AL.SS.ST.BR
HF-850-4	-4	AL.SS.ST.BR
HF-850-6	-6	AL.SS.ST.BR
HF-850-8	-8	AL.SS.ST.BR
HF-850-10	-10	AL.SS.ST.BR
HF-850-12	-12	AL.SS.ST.BR
HF-850-16	-16	AL.SS.ST.BR

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Bulkhead AN Tee

Part No	AN	Metric
HF-825-3	AN3	M12X1.0
HF-825-4	AN4	M12X1.5
HF-825-6	AN6	M14X1.5
HF-825-8	AN8	M16X1.5
HF-825-10	AN10	M12X1.0
HF-825-12	AN12	M12X1.5
HF-825-16	AN16	M14X1.5
HF-825-20	AN12	M16X1.5



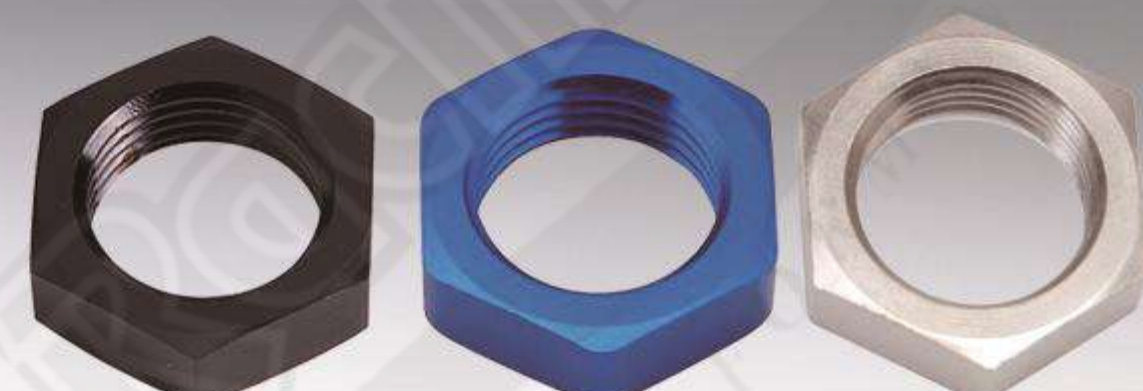
● 45° Full Flow Bulkhead AN

Part No	AN	Colour
HF-2216-4	-4	Blue / Black / Silver
HF-2216-6	-6	Blue / Black / Silver
HF-2216-8	-8	Blue / Black / Silver
HF-2216-10	-10	Blue / Black / Silver
HF-2216-12	-12	Blue / Black / Silver



● 90° Full Flow Bulkhead AN

Part No	AN	Colour
HF-2217-4	-4	Blue / Black / Silver
HF-2217-6	-6	Blue / Black / Silver
HF-2217-8	-8	Blue / Black / Silver
HF-2217-10	-10	Blue / Black / Silver
HF-2217-12	-12	Blue / Black / Silver



● Bulkhead Nuts

Part No	AN(A)	Material
HF-824-3	-3	AL,SS,ST
HF-824-4	-4	AL,SS,ST
HF-824-6	-6	AL,SS,ST
HF-824-8	-8	AL,SS,ST
HF-824-10	-10	AL,SS,ST
HF-824-12	-12	AL,SS,ST
HF-824-16	-16	AL,SS,ST
HF-824-20	-20	AL,SS,ST



● AN Flare Plugs

Part No	AN	Material
HF-847-3	-3	AL.BR.SS.ST
HF-847-4	-4	AL.BR.SS.ST
HF-847-6	-6	AL.BR.SS.ST
HF-847-8	-8	AL.BR.SS.ST
HF-847-10	-10	AL.BR.SS.ST
HF-847-12	-12	AL.BR.SS.ST
HF-847-16	-16	AL.BR.SS.ST
HF-847-20	-20	AL.BR.SS.ST



● AN Flare Caps

Part No	AN	ORB	Material
HF-2218-3B	-3	-3	AL.BR.SS.ST
HF-2218-4B	-4	-4	AL.BR.SS.ST
HF-2218-6B	-6	-6	AL.BR.SS.ST
HF-2218-8B	-8	-8	AL.BR.SS.ST
HF-2218-10B	-10	-10	AL.BR.SS.ST
HF-2218-12B	-12	-12	AL.BR.SS.ST
HF-2218-16B	-16	-16	AL.BR.SS.ST
HF-2218-20B	-20	-20	AL.BR.SS.ST

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Male Flare Union

Part No	AN	Material
HF-1603-3	-3	AL.SS.ST.BR
HF-1604-4	-4	AL.SS.ST.BR
HF-1606-6	-6	AL.SS.ST.BR
HF-1608-8	-8	AL.SS.ST.BR
HF-1610-10	-10	AL.SS.ST.BR
HF-1612-12	-12	AL.SS.ST.BR
HF-1616-16	-16	AL.SS.ST.BR
HF-1620-20	-20	AL.SS.ST.BR



● 90° Male Flare Union AN

Part No	AN	Material
HF-8113-3	-3	AL.SS.ST
HF-8114-4	-4	AL.SS.ST
HF-8116-6	-6	AL.SS.ST
HF-8118-8	-8	AL
HF-81110-10	-10	AL
HF-81112-12	-12	AL
HF-81116-16	-16	AL



● 45° Full Flow Union AN

Part No	AN	Colour
HF-871-3	-3	Blue / Black / Silver
HF-871-4	-4	Blue / Black / Silver
HF-871-6	-6	Blue / Black / Silver
HF-871-8	-8	Blue / Black / Silver
HF-871-10	-10	Blue / Black / Silver
HF-871-12	-12	Blue / Black / Silver
HF-871-16	-16	Blue / Black / Silver
HF-871-20	-20	Blue / Black / Silver



● 45° Male Flare Union AN

Part No	AN	Material
HF-8103-3	-3	AL.SS.ST
HF-8104-4	-4	AL.SS.ST
HF-8106-6	-6	AL.SS.ST
HF-8108-8	-8	AL
HF-8110-10	-10	AL
HF-8112-12	-12	AL
HF-8116-16	-16	AL



● Flare Tee AN

Part No	AN	Material
HF-8143-3	-3	AL.SS.ST
HF-8144-4	-4	AL.SS.ST
HF-8146-6	-6	AL.SS.ST
HF-8148-8	-8	AL
HF-81410-10	-10	AL
HF-81412-12	-12	AL
HF-81416-16	-16	AL



● 90° Full Flow Union AN

Part No	AN	Colour
HF-872-3	-3	Blue / Black / Silver
HF-872-4	-4	Blue / Black / Silver
HF-872-6	-6	Blue / Black / Silver
HF-872-8	-8	Blue / Black / Silver
HF-872-10	-10	Blue / Black / Silver
HF-872-12	-12	Blue / Black / Silver
HF-872-16	-16	Blue / Black / Silver
HF-872-20	-20	Blue / Black / Silver

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



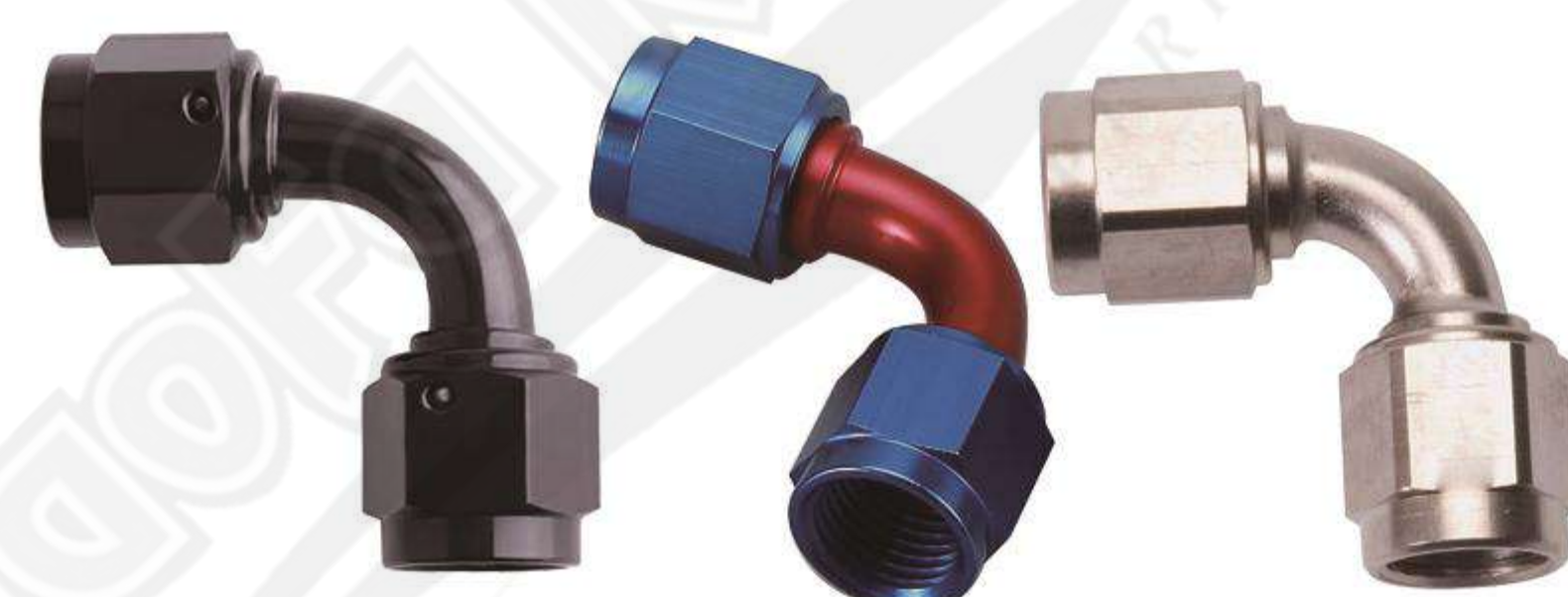
● Straight Female Swivel Coupler

Part No	AN	Colour
HF-4403-001	-3	Blue-Red / Black / Silver
HF-4404-001	-4	Blue-Red / Black / Silver
HF-4406-001	-6	Blue-Red / Black / Silver
HF-4408-001	-8	Blue-Red / Black / Silver
HF-4410-001	-10	Blue-Red / Black / Silver
HF-4412-001	-12	Blue-Red / Black / Silver
HF-4416-001	-16	Blue-Red / Black / Silver



● 30°Female Swivel Coupler

Part No	AN	Thread	Colour
HF-4404-030	-4	7/16X20	Blue-Red / Black / Silver
HF-4406-030	-6	9/16X18	Blue-Red / Black / Silver
HF-4408-030	-8	3/4X16	Blue-Red / Black / Silver
HF-4410-030	-10	7/8X14	Blue-Red / Black / Silver



● 90°Female Swivel Coupler

Part No	AN	Thread	Colour
HF-4403-090	-3	3/8X24	Blue-Red / Black / Silver
HF-4404-090	-4	7/16X20	Blue-Red / Black / Silver
HF-4406-090	-6	9/16X18	Blue-Red / Black / Silver
HF-4408-090	-8	3/4X16	Blue-Red / Black / Silver
HF-4410-090	-10	7/8X14	Blue-Red / Black / Silver
HF-4412-090	-12	1-1/16X12	Blue-Red / Black / Silver
HF-4416-090	-16	1-5/16X12	Blue-Red / Black / Silver



● 150°Female Swivel Coupler

Part No	AN	Thread	Colour
HF-4404-150	-4	7/16X20	Blue-Red / Black / Silver
HF-4406-150	-6	9/16X18	Blue-Red / Black / Silver
HF-4408-150	-8	3/4X16	Blue-Red / Black / Silver
HF-4410-150	-10	7/8X14	Blue-Red / Black / Silver



● 45°Female Swivel Coupler

Part No	AN	Thread	Colour
HF-4403-045	-3	3/8X24	Blue-Red / Black / Silver
HF-4404-045	-4	7/16X20	Blue-Red / Black / Silver
HF-4406-045	-6	9/16X18	Blue-Red / Black / Silver
HF-4408-045	-8	3/4X16	Blue-Red / Black / Silver
HF-4410-045	-10	7/8X14	Blue-Red / Black / Silver
HF-4412-045	-12	1-1/16X12	Blue-Red / Black / Silver
HF-4416-045	-16	1-5/16X12	Blue-Red / Black / Silver



● 60°Female Swivel Coupler

Part No	AN	Thread	Colour
HF-4404-060	-4	7/16X20	Blue-Red / Black / Silver
HF-4406-060	-6	9/16X18	Blue-Red / Black / Silver
HF-4408-060	-8	3/4X16	Blue-Red / Black / Silver
HF-4410-060	-10	7/8X14	Blue-Red / Black / Silver



● 120°Female Swivel Coupler

Part No	AN	Thread	Colour
HF-4404-120	-3	7/16X20	Blue-Red / Black / Silver
HF-4406-120	-4	9/16X18	Blue-Red / Black / Silver
HF-4408-120	-6	3/4X16	Blue-Red / Black / Silver
HF-4410-120	-8	7/8X14	Blue-Red / Black / Silver



● 180°Female Swivel Coupler

Part No	AN	Thread	Colour
HF-4403-180	-3	3/8X24	Blue-Red / Black / Silver
HF-4404-180	-4	7/16X20	Blue-Red / Black / Silver
HF-4406-180	-6	9/16X18	Blue-Red / Black / Silver
HF-4408-180	-8	3/4X16	Blue-Red / Black / Silver
HF-4410-180	-10	7/8X14	Blue-Red / Black / Silver

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● 90° Forged Female Swivel Couplers

Part No	AN	Material
HF-828-3	-3	AL.SS.ST
HF-828-4	-4	AL.SS.ST
HF-828-6	-6	AL.SS.ST
HF-828-8	-8	AL
HF-828-10	-10	AL
HF-828-12	-12	AL
HF-828-16	-16	AL



● NPT Female Couplers

Part No	NPT	Material
HF-831-1/8"	NPT 1/8"	AL.SS.ST.BR
HF-831-1/4"	NPT 1/4"	AL.SS.ST.BR
HF-831-3/8"	NPT 3/8"	AL.SS.ST.BR
HF-831-1/2"	NPT 1/2"	AL.SS.ST.BR
HF-831-3/4"	NPT 3/4"	AL.SS.ST.BR
HF-831-1"	NPT 1"	AL.SS.ST.BR



● NPT Female Pipe Tees

Part No	NPT	Colour
HF-829-1/8"	1/8"	Blue / Black / Silver
HF-829-1/4"	1/4"	Blue / Black / Silver
HF-829-3/8"	3/8"	Blue / Black / Silver
HF-829-1/2"	1/2"	Blue / Black / Silver
HF-829-3/4"	3/4"	Blue / Black / Silver
HF-829-1"	1"	Blue / Black / Silver



● 45° Forged Female Swivel Couplers

Part No	AN	Material
HF-827-3	-3	AL.SS.ST
HF-827-4	-4	AL.SS.ST
HF-827-6	-6	AL.SS.ST
HF-827-8	-8	AL
HF-827-10	-10	AL
HF-827-12	-12	AL
HF-827-16	-16	AL



● 90°NPT Female Couplers

Part No	AN	Colour
HF-820-1/8"	1/8"	Blue / Black / Red
HF-820-1/4"	1/4"	Blue / Black / Red
HF-820-3/8"	3/8"	Blue / Black / Red
HF-820-1/2"	1/2"	Blue / Black / Red
HF-820-3/4"	3/4"	Blue / Black / Red
HF-820-1"	1"	Blue / Black / Red



● Female Tee ORB

Part No	AN	Colour
HF-830-3	-3	Blue / Black / Silver
HF-830-4	-4	Blue / Black / Silver
HF-830-6	-6	Blue / Black / Silver
HF-830-8	-8	Blue / Black / Silver
HF-830-10	-10	Blue / Black / Silver
HF-830-12	-12	Blue / Black / Silver
HF-830-16	-16	Blue / Black / Silver

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● 45° NPT Female Pipe Tees

Part No	AN	Colour
HF-818-1/8"	1/8"	Blue / Black / Silver
HF-818-1/4"	1/4"	Blue / Black / Silver
HF-818-3/8"	3/8"	Blue / Black / Silver
HF-818-1/2"	1/2"	Blue / Black / Silver
HF-818-3/4"	3/4"	Blue / Black / Silver
HF-818-1"	1"	Blue / Black / Silver
HF-818-1-1/4"	1-1/4"	Blue / Black / Silver



● 45° Female / Male Flare Swivel

Part No	AN	Colour
HF-833-3	-3	AL.SS.ST
HF-833-4	-4	AL.SS.ST
HF-833-6	-6	AL.SS.ST
HF-833-8	-8	AL
HF-833-10	-10	AL
HF-833-12	-12	AL
HF-833-16	-16	AL



● AN Tee One Side Female Swivel

Part No	AN	Colour
HF-836-3	-3	AL.SS.ST
HF-836-4	-4	AL.SS.ST
HF-836-6	-6	AL.SS.ST
HF-836-8	-8	AL
HF-836-10	-10	AL
HF-836-12	-12	AL
HF-836-16	-16	AL



● 90° NPT Female To Male NPT

Part No	NPT	Colour
HF-819-1/8"	1/8"	Blue / Black / Silver
HF-819-1/4"	1/4"	Blue / Black / Silver
HF-819-3/8"	3/8"	Blue / Black / Silver
HF-819-1/2"	1/2"	Blue / Black / Silver
HF-819-3/4"	3/4"	Blue / Black / Silver
HF-819-1"	1"	Blue / Black / Silver
HF-819-1-1/4"	1-1/4"	Blue / Black / Silver



● 90° Female / Male Flare Swivel

Part No	AN	Colour
HF-834-3	-3	AL.SS.ST
HF-834-4	-4	AL.SS.ST
HF-834-6	-6	AL.SS.ST
HF-834-8	-8	AL
HF-834-10	-10	AL
HF-834-12	-12	AL
HF-834-16	-16	AL



● AN Tee One Side Female Swivel

Part No	AN	Colour
HF-835-3	-3	AL.SS.ST
HF-835-4	-4	AL.SS.ST
HF-835-6	-6	AL.SS.ST
HF-835-8	-8	AL
HF-835-10	-10	AL
HF-835-12	-12	AL
HF-835-16	-16	AL

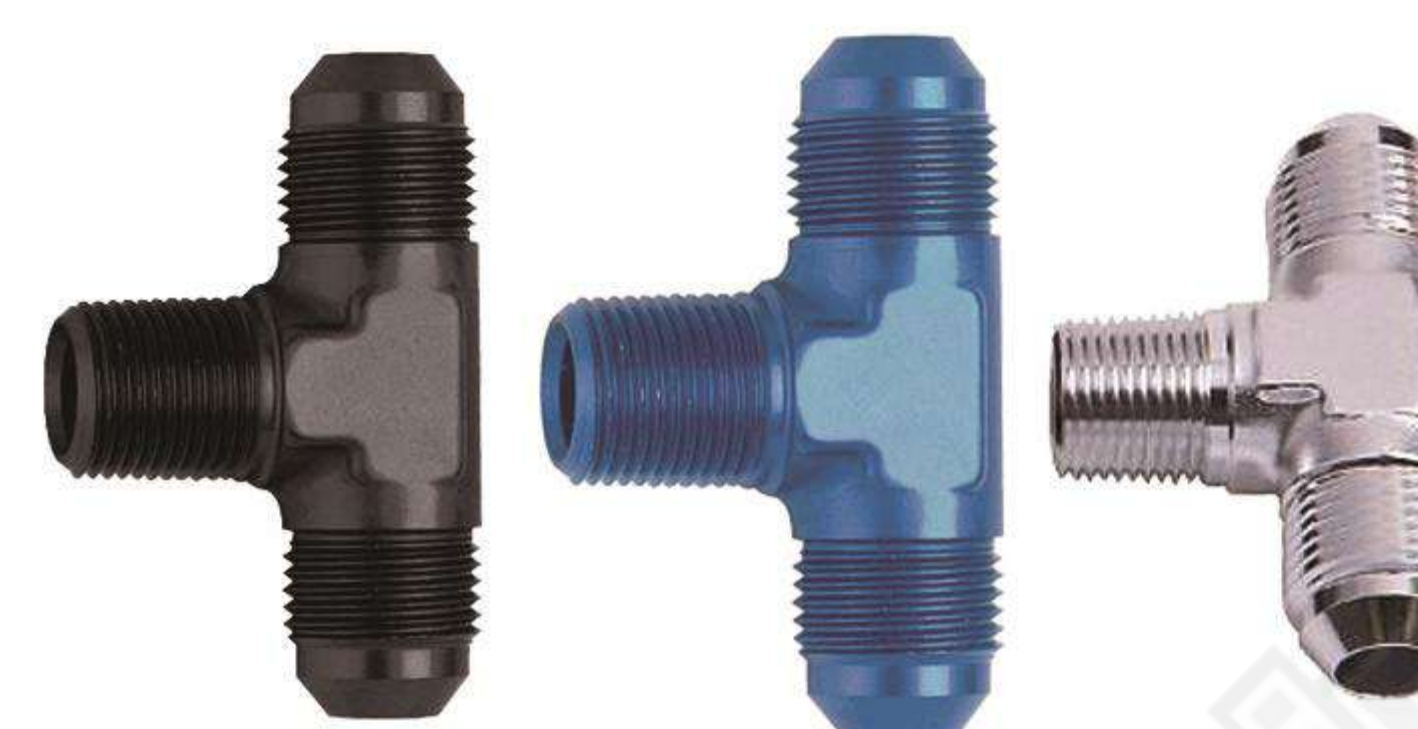
>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● 45° NPT To Male Flare Adapters

Part No	AN	NPT
HF-816-AN3	-3	1/8"
HF-816-AN3	-3	1/4"
HF-816-AN4	-4	1/8"
HF-816-AN4-1	-4	1/4"
HF-816-AN4-2	-4	3/8"
HF-816-AN6	-6	1/8"
HF-816-AN6-1	-6	1/4"
HF-816-AN6-2	-6	3/8"
HF-816-AN6-4	-6	1/2"
HF-816-AN8	-8	1/4"
HF-816-AN8-1	-8	3/8"
HF-816-AN8-2	-8	1/2"
HF-816-AN8-4	-8	3/4"
HF-816-AN10	-10	3/8"
HF-816-AN10-1	-10	1/2"
HF-816-AN10-2	-10	3/4"
HF-816-AN12	-12	1/2"
HF-816-AN12-1	-12	3/4"
HF-816-AN16	-16	3/4"
HF-816-AN16-1	-16	1"
HF-816-AN20	-20	1"



● Tee With One Side NPT

Part No	AN	NPT
HF-8123-1/8"	-3	1/8"
HF-8124-1/8"	-4	1/8"
HF-8126-1/4"	-6	1/4"
HF-8128-3/8"	-8	3/8"
HF-81210-1/2"	-10	1/2"
HF-81212-3/4"	-12	3/4"
HF-81216-1"	-16	1"
HF-81216-3/4"	-16	3/4"
HF-81220-1"	-20	1"
HF-81220-1-1/4"	-20	1-1/4"



● 90° NPT To Male Flare Adapters

Part No	AN	NPT
HF-817-3	-3	1/8"
HF-817-3	-3	1/4"
HF-817-4	-4	1/8"
HF-817-4-1	-4	1/4"
HF-817-4-2	-4	3/8"
HF-817-6	-6	1/8"
HF-817-6-1	-6	1/4"
HF-817-6-2	-6	3/8"
HF-817-6-3	-6	1/2"
HF-817-8	-8	1/8"
HF-817-8-1	-8	1/4"
HF-817-8-2	-8	3/8"
HF-817-8-3	-8	1/2"
HF-817-8-4	-8	3/4"
HF-817-10	-10	1/2"
HF-817-10-1	-10	3/8"
HF-817-10-2	-10	3/4"
HF-817-12	-12	3/4"
HF-817-12-1	-12	3/8"
HF-817-12-2	-12	1/2"
HF-817-16	-16	1"
HF-817-16-1	-16	3/4"



● Tee With One Side NPT

Part No	AN	NPT
HF-8133-1/8"	-3	1/8"
HF-8134-1/8"	-4	1/8"
HF-8136-1/4"	-6	1/4"
HF-8138-3/8"	-8	3/8"
HF-81310-1/2"	-10	1/2"
HF-81312-3/4"	-12	3/4"
HF-81316-1"	-16	1"
HF-81316-3/4"	-16	3/4"
HF-81320-1"	-20	1"
HF-81320-1-1/4"	-20	1-1/4"

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● 45° NPT To AN Full Flow Adapters

Part No	AN	NPT
HF-873-3	-3	1/8"
HF-873-4	-4	1/8"
HF-873-4-1	-4	1/4"
HF-873-6	-6	1/8"
HF-873-6-1	-6	1/4"
HF-873-6-2	-6	3/8"
HF-873-6-3	-6	1/2"
HF-873-8	-8	3/8"
HF-873-8-1	-8	1/4"
HF-873-8-2	-8	1/2"
HF-873-10	-10	3/8"
HF-873-10-1	-10	1/2"
HF-873-10-2	-10	3/4"
HF-873-12	-12	1/2"
HF-873-12-1	-12	3/4"
HF-873-16	-16	1"



● Male NPT To Female AN Straight

Part No	AN	NPT
HF2219-3D	-3	1/8"
HF2219-4D	-4	1/8"
HF2219-4-4D	-4	1/4"
HF2219-6-2D	-6	1/8"
HF2219-6D	-6	1/4"
HF2219-6-6D	-6	3/8"
HF2219-7D	-8	1/4"
HF2219-8D	-8	3/8"
HF2219-8-8D	-8	1/2"
HF2219-10-6D	-10	3/8"
HF2219-10D	-10	1/2"
HF2219-12-8D	-12	1/2"
HF2219-12D	-12	3/4"
HF2219-16-12D	-16	3/4"
HF2219-16D	-16	1"



● 90° NPT To AN Full Flow Adapters

Part No	AN	NPT
HF-874-3	-3	1/8"
HF-874-4	-4	1/8"
HF-874-4-1	-4	1/4"
HF-874-6	-6	1/8"
HF-874-6-1	-6	1/4"
HF-874-6-2	-6	3/8"
HF-874-6-3	-6	1/2"
HF-874-8	-8	3/8"
HF-874-8-1	-8	1/4"
HF-874-8-2	-8	1/2"
HF-874-10	-10	3/8"
HF-874-10-1	-10	1/2"
HF-874-10-2	-10	3/4"
HF-874-12	-12	1/2"
HF-874-12-1	-12	3/4"

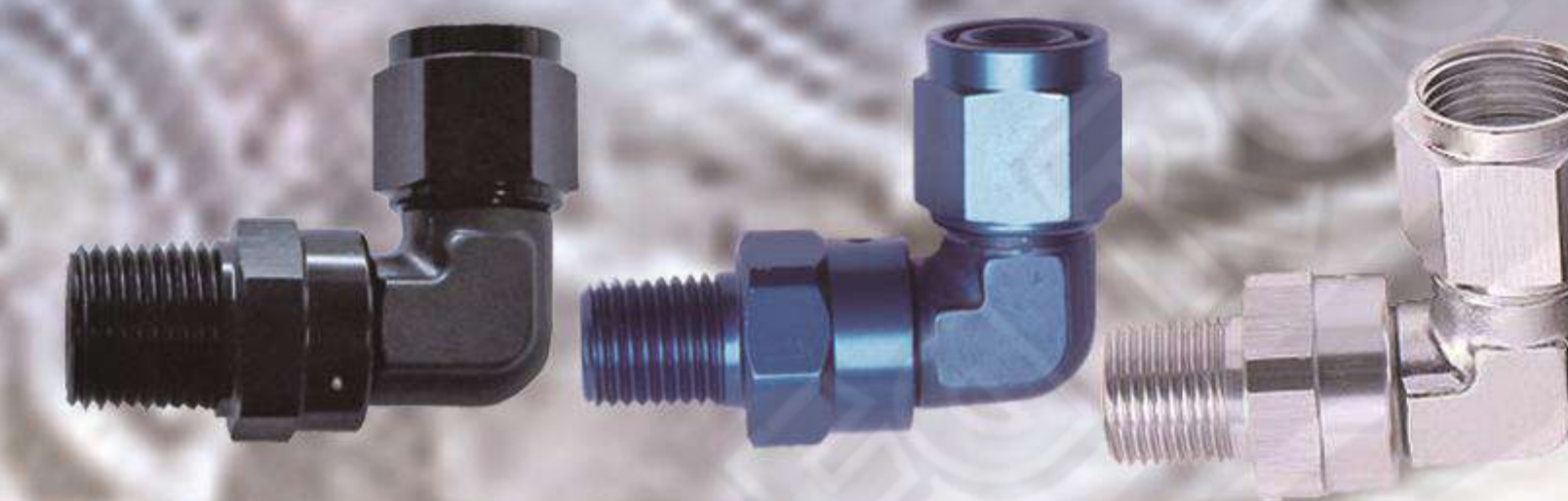


● 90° NPT Swivel To Male AN Flare

Part No	AN	NPT
HF-845-AN3	-3	1/8"
HF-845-AN4	-4	1/8"
HF-845-AN4-1/4	-4	1/4"
HF-845-AN6	-6	1/8"
HF-845-AN6-1/4	-6	1/4"
HF-845-AN6-3/8	-6	3/8"
HF-845-AN6-1/2	-6	1/2"
HF-845-AN8-1/4	-8	1/4"
HF-845-AN8-3/8	-8	3/8"
HF-845-AN8-1/2	-8	1/2"
HF-845-AN10-1/2	-10	3/8"
HF-845-AN10-3/8	-10	1/2"
HF-845-AN12-3/4	-12	1/2"
HF-845-AN12-1/2	-12	3/4"
HF-845-AN16-3/4	-16	3/4"
HF-845-AN16-1	-16	1"

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● 90° NPT Swivel To Female AN

Part No	AN	NPT
HF-846-3	-3	1/8"
HF-846-4	-4	1/8"
HF-846-4-1	-4	1/4"
HF-846-6	-6	M12X1.25
HF-846-6-1	-6	M12X1.5
HF-846-6-2	-6	1/4"
HF-846-6-3	-6	3/8"
HF-846-6-4	-6	1/4"
HF-846-8-1	-8	3/8"
HF-846-8-2	-8	1/2"
HF-846-8-3	-8	1/4"
HF-846-10-1	-10	3/8"
HF-846-10-2	-10	1/2"
HF-846-12-1	-12	1/2"
HF-846-12-2	-12	3/4"
HF-846-16-1	-16	3/4"
HF-846-16-2	-16	1"



● 90° Metric Swivel To Female AN

Part No	AN	Metric
HF2221-6-1	-6	M12X1.25
HF2221-6-2	-6	M12X1.5



● 45° Female AN Swivel To Male

Part No	AN	Thread
HF-869-4	-4	7/16X20
HF-869-6	-6	9/16X18
HF-869-8	-8	3/4X16
HF-869-10	-10	7/8X14
HF-869-12	-12	1-1/16X12
HF-869-16	-16	1-5/16X12



● 90° ORB Swivel To Male AN

Part No	AN	ORB
HF2220-6-1	-6	-4
HF2220-6-2	-6	-5
HF2220-6-3	-6	-6
HF2220-6-4	-6	-8
HF2220-6-7	-6	-10
HF2220-6-8	-6	9/16X24
HF2220-6-9	-6	5/8X18
HF2220-8-1	-8	-6
HF2220-8-2	-8	-8
HF2220-8-3	-8	-10
HF2220-8-4	-8	7/8X20
HF2220-10-1	-10	-8
HF2220-10-2	-10	-10
HF2220-10-3	-10	-12
HF2220-12-1	-12	-10
HF2220-12-2	-12	-12
HF2220-16-1	-16	-12
HF2220-16-2	-16	-16



● 90° Metric Swivel To Male AN

Part No	AN	Metric
HF2222-6-5	-6	M12X1.25
HF2222-6-6	-6	M12X1.5

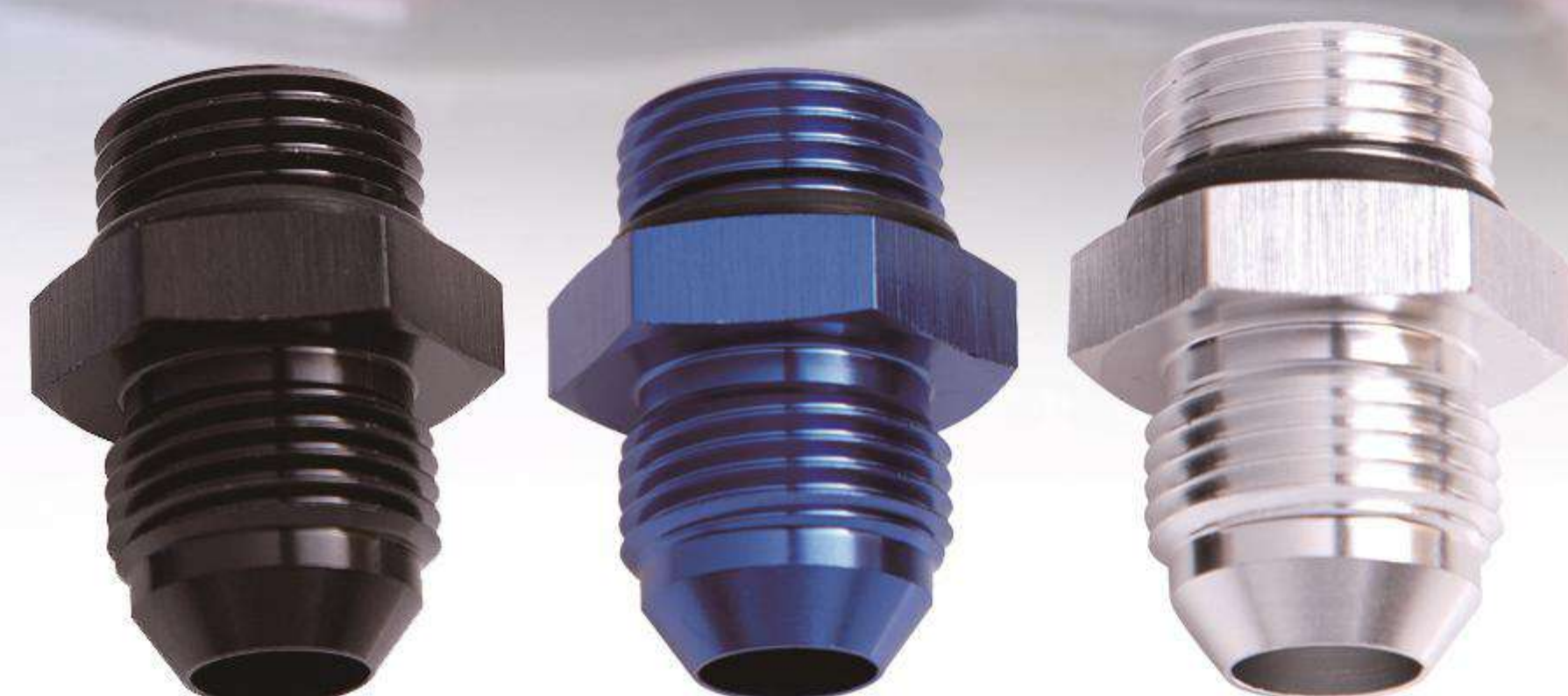


● 90° Female AN Swivel To Male

Part No	AN	Thread
HF-870-4	-4	7/16X20
HF-870-6	-6	9/16X18
HF-870-8	-8	3/4X16
HF-870-10	-10	7/8X14
HF-870-12	-12	1-1/16X12
HF-870-16	-16	1-5/16X12

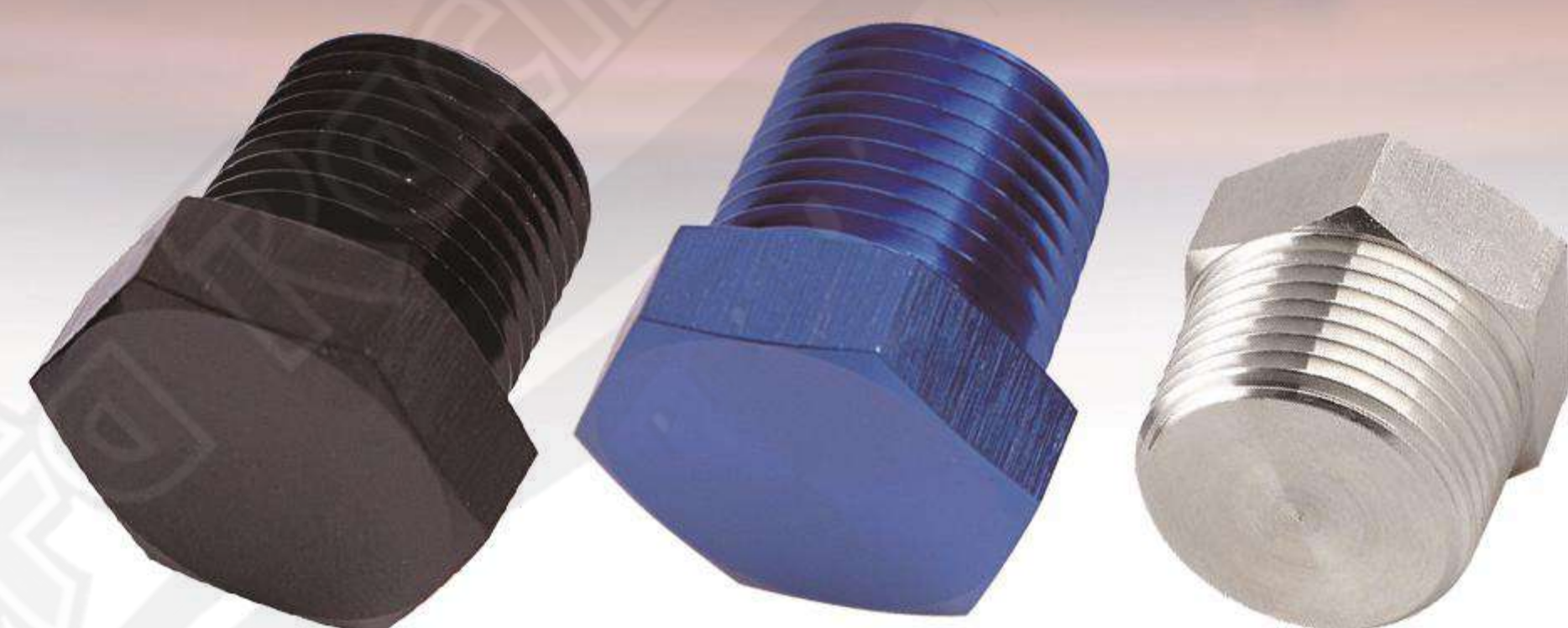
>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● ORB To AN Male Flare Adapters

Part No	AN	ORB	Material
HF-1503-3	-3	-3	AL.BR.SS.ST
HF-1503-3-4	-3	-4	AL.BR.SS.ST
HF-1503-3-6	-3	-6	AL.BR.SS.ST
HF-1503-3-8	-3	-8	AL.BR.SS.ST
HF-1503-3-10	-3	-10	AL.BR.SS.ST
HF-1504-4-3	-4	-3	AL.BR.SS.ST
HF-1504-4	-4	-4	AL.BR.SS.ST
HF-1504-4-6	-4	-6	AL.BR.SS.ST
HF-1504-4-8	-4	-8	AL.BR.SS.ST
HF-1504-4-10	-4	-10	AL.BR.SS.ST
HF-1506-6-4	-6	-4	AL.BR.SS.ST
HF-1506-6-5	-6	-5	AL.BR.SS.ST
HF-1506-6	-6	-6	AL.BR.SS.ST
HF-1506-6-8	-6	-8	AL.BR.SS.ST
HF-1506-6-10	-6	-10	AL.BR.SS.ST
HF-1506-6-12	-6	-12	AL.BR.SS.ST
HF-1508-8-4	-8	-4	AL.BR.SS.ST
HF-1508-8-6	-8	-6	AL.BR.SS.ST
HF-1508-8	-8	-8	AL.BR.SS.ST
HF-1508-8-10	-8	-10	AL.BR.SS.ST
HF-1508-8-12	-8	-12	AL.BR.SS.ST
HF-1508-8-16	-8	-16	AL.BR.SS.ST
HF-1510-10-6	-10	-6	AL.BR.SS.ST
HF-1510-10-8	-10	-8	AL.BR.SS.ST
HF-1510-10	-10	-10	AL.BR.SS.ST
HF-1510-10-12	-10	-12	AL.BR.SS.ST
HF-1510-10-16	-10	-16	AL.BR.SS.ST
HF-1512-12-8	-12	-8	AL.BR.SS.ST
HF-1512-12-10	-12	-10	AL.BR.SS.ST
HF-1512-12	-12	-12	AL.BR.SS.ST
HF-1512-12-16	-12	-16	AL.BR.SS.ST
HF-1516-16-10	-16	-10	AL.BR.SS.ST
HF-1516-16-12	-16	-12	AL.BR.SS.ST
HF-1516-16	-16	-16	AL.BR.SS.ST
HF-1516-16-20	-16	-20	AL.BR.SS.ST
HF-1520-20-16	-20	-16	AL.BR.SS.ST
HF-1520-20	-20	-20	AL.BR.SS.ST



● NPT Hex Head Plugs

Part No	NPT	Material
HF2223-04	1/8"	AL.BR.SS.ST
HF2223-06	1/4"	AL.BR.SS.ST
HF2223-08	3/8"	AL.BR.SS.ST
HF2223-10	1/2"	AL.BR.SS.ST
HF2223-12	3/4"	AL.BR.SS.ST
HF2223-16	1"	AL.BR.SS.ST



● NPT Plugs

Part No	NPT	Material
HF2224-01	1/16"	AL.BR.SS.ST
HF2224-02	1/8"	AL.BR.SS.ST
HF2224-03	1/4"	AL.BR.SS.ST
HF2224-04	3/8"	AL.BR.SS.ST
HF2224-05	1/2"	AL.BR.SS.ST
HF2224-06	3/4"	AL.BR.SS.ST
HF2224-07	1"	AL.BR.SS.ST

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● AN To NPT Straight

Part No	AN	NPT	Material
HF-AN816-3-1/16"	-3	1/16"	AL.BR.SS.ST
HF-AN816-3-1/8"	-3	1/8"	AL.BR.SS.ST
HF-AN816-3-1/4"	-3	1/4"	AL.BR.SS.ST
HF-AN816-4-1/16"	-4	1/16"	AL.BR.SS.ST
HF-AN816-4-1/8"	-4	1/8"	AL.BR.SS.ST
HF-AN816-4-1/4"	-4	1/4"	AL.BR.SS.ST
HF-AN816-4-3/8"	-4	3/8"	AL.BR.SS.ST
HF-AN816-6-1/8"	-6	1/8"	AL.BR.SS.ST
HF-AN816-6-1/4"	-6	1/4"	AL.BR.SS.ST
HF-AN816-6-3/8"	-6	3/8"	AL.BR.SS.ST
HF-AN816-6-1/2"	-6	1/2"	AL.BR.SS.ST
HF-AN816-6-3/4"	-6	3/4"	AL.BR.SS.ST
HF-AN816-8-1/4"	-8	1/4"	AL.BR.SS.ST
HF-AN816-8-3/8"	-8	3/8"	AL.BR.SS.ST
HF-AN816-8-1/8"	-8	1/8"	AL.BR.SS.ST
HF-AN816-8-1/2"	-8	1/2"	AL.BR.SS.ST
HF-AN816-8-3/4"	-8	3/4"	AL.BR.SS.ST
HF-AN816-10-3/8"	-10	3/8"	AL.BR.SS.ST
HF-AN816-10-1/2"	-10	1/2"	AL.BR.SS.ST
HF-AN816-10-3/4"	-10	3/4"	AL.BR.SS.ST
HF-AN816-12-3/8"	-12	3/8"	AL.BR.SS.ST
HF-AN816-12-1/2"	-12	1/2"	AL.BR.SS.ST
HF-AN816-12-3/4"	-12	3/4"	AL.BR.SS.ST
HF-AN816-12-1"	-12	1"	AL.BR.SS.ST
HF-AN816-16-1"	-16	1"	AL.BR.SS.ST
HF-AN816-16-3/4"	-16	3/4"	AL.BR.SS.ST
HF-AN816-20-1/4"	-20	1/4"	AL.BR.SS.ST
HF-AN816-20-1"	-20	1"	AL.BR.SS.ST



● AN To BSP Adapter

Part No	AN	BSP
HFAN816-08-10BSPP	AN8	5/8"
HFAN816-10-10BSPP	AN10	5/8"
HFAN816-12-10BSPP	AN12	5/8"



● ORB Port Plugs

Part No	AN	ORB	Material
HF-848-3	-3	-3	AL.BR.SS.ST
HF-848-4	-4	-4	AL.BR.SS.ST
HF-848-6	-6	-6	AL.BR.SS.ST
HF-848-8	-8	-8	AL.BR.SS.ST
HF-848-10	-10	-10	AL.BR.SS.ST
HF-848-12	-12	-12	AL.BR.SS.ST
HF-848-16	-16	-16	AL.BR.SS.ST
HF-848-20	-20	-20	AL.BR.SS.ST



● ORB Port Plugs Slimline

Part No	AN	ORB	Material
HF2225-03B	-3	-3	AL.BR.SS.ST
HF2225-04B	-4	-4	AL.BR.SS.ST
HF2225-06B	-6	-6	AL.BR.SS.ST
HF2225-08B	-8	-8	AL.BR.SS.ST
HF2225-10B	-10	-10	AL.BR.SS.ST
HF2225-12B	-12	-12	AL.BR.SS.ST
HF2225-16B	-16	-16	AL.BR.SS.ST
HF2225-20B	-20	-20	AL.BR.SS.ST



● 37° Conical Seal

Part No	I.D.
HF2226-06	12.15mm
HF2226-08	16.65mm
HF2226-10	19.55mm

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



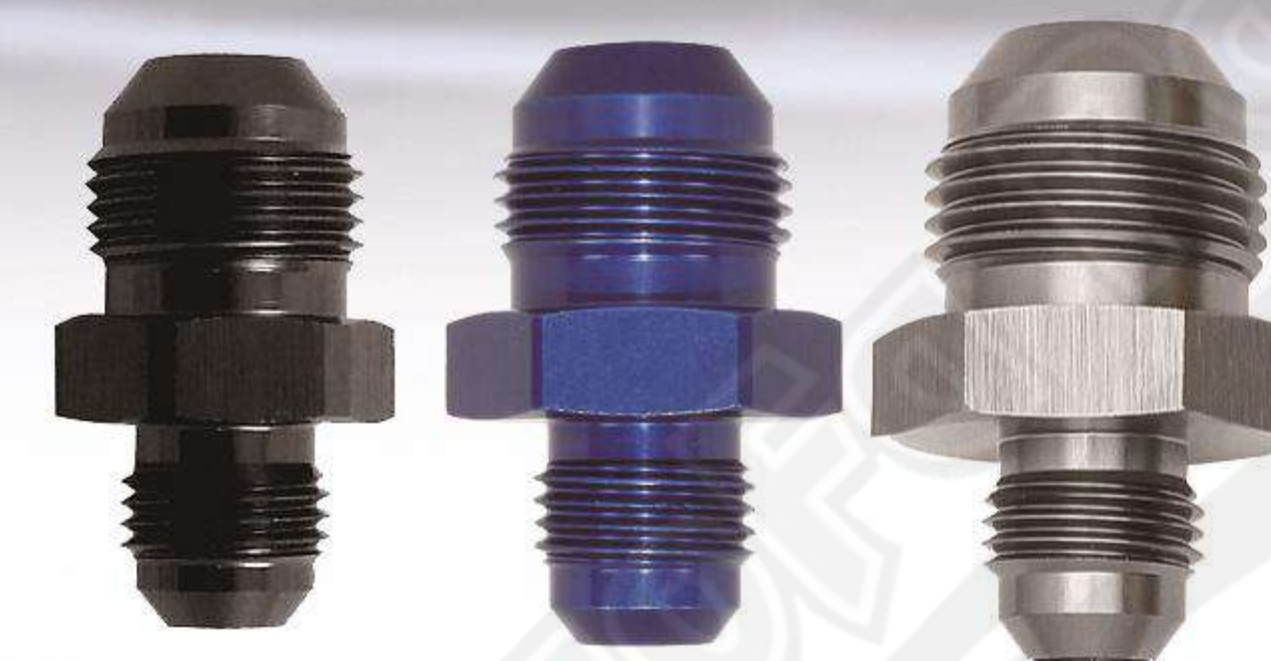
● Metric To Male Flare Adapters

Part No	AN	Metric	Material
HF-1403-M10X1.0	-3	M10X1.0	AL.BR.SS.ST
HF-1403-M10X1.25	-3	M10X1.25	AL.BR.SS.ST
HF-1403-M10X1.5	-3	M10X1.25	AL.BR.SS.ST
HF-1403-M12X1.0	-3	M12X1.0	AL.BR.SS.ST
HF-1403-M12X1.25	-3	M12X1.25	AL.BR.SS.ST
HF-1403-M14X1.5	-3	M14X1.5	AL.BR.SS.ST
HF-1404-M6X1.0	-4	M6X1.0	AL.BR.SS.ST
HF-1404-M8X1.0	-4	M8X1.0	AL.BR.SS.ST
HF-1404-M8X1.25	-4	M8X1.25	AL.BR.SS.ST
HF-1404-M10X1.0	-4	M10X1.0	AL.BR.SS.ST
HF-1404-M10X1.25	-4	M10X1.25	AL.BR.SS.ST
HF-1404-M10X1.5	-4	M10X1.5	AL.BR.SS.ST
HF-1404-M12X1.0	-4	M12X1.0	AL.BR.SS.ST
HF-1404-M12X1.25	-4	M12X1.25	AL.BR.SS.ST
HF-1404-M12X1.5	-4	M12X1.5	AL.BR.SS.ST
HF-1404-M14X1.25	-4	M14X1.25	AL.BR.SS.ST
HF-1404-M14X1.5	-4	M14X1.5	AL.BR.SS.ST
HF-1404-M16X1.5	-4	M16X1.5	AL.BR.SS.ST
HF-1406-M10X1.0	-6	M10X1.0	AL.BR.SS.ST
HF-1406-M10X1.25	-6	M10X1.25	AL.BR.SS.ST
HF-1406-M10X1.5	-6	M10X1.5	AL.BR.SS.ST
HF-1406-M12X1.0	-6	M12X1.0	AL.BR.SS.ST
HF-1406-M12X1.5	-6	M12X1.5	AL.BR.SS.ST
HF-1406-M22X1.5	-6	M22X1.5	AL.BR.SS.ST
HF-1406-M12X1.25	-6	M12X1.25	AL.BR.SS.ST
HF-1406-M12X1.5	-6	M12X1.25	AL.BR.SS.ST
HF-1406-M14X1.5	-6	M14X1.5	AL.BR.SS.ST
HF-1406-M14X1.25	-6	M14X1.25	AL.BR.SS.ST
HF-1406-M16X1.5	-6	M16X1.5	AL.BR.SS.ST
HF-1406-M18X1.5	-6	M18X1.5	AL.BR.SS.ST
HF-1406-M19X1.25	-6	M19X1.25	AL.BR.SS.ST
HF-1406-M20X1.5	-6	M20X1.5	AL.BR.SS.ST
HF-1408-M10X1.0	-8	M10X1.0	AL.BR.SS.ST
HF-1408-M10X1.25	-8	M10X1.25	AL.BR.SS.ST

Part No	AN	Metric	Material
HF-1408-M10X1.25	-8	M10X1.25	AL.BR.SS.ST
HF-1408-M10X1.5	-8	M10X1.5	AL.BR.SS.ST
HF-1408-M12X1.0	-8	M12X1.0	AL.BR.SS.ST
HF-1408-M12X1.25	-8	M12X1.25	AL.BR.SS.ST
HF-1408-M12X1.5	-8	M12X1.5	AL.BR.SS.ST
HF-1408-M14X1.5	-8	M14X1.5	AL.BR.SS.ST
HF-1408-M24X1.5	-8	M24X1.5	AL.BR.SS.ST
HF-1408-M16X1.5	-8	M16X1.5	AL.BR.SS.ST
HF-1408-M18X1.5	-8	M18X1.5	AL.BR.SS.ST
HF-1408-M20X1.5	-8	M20X1.5	AL.BR.SS.ST
HF-1408-M22X1.5	-8	M22X1.5	AL.BR.SS.ST
HF-1410-M12X1.0	-10	M12X1.0	AL.BR.SS.ST
HF-1410-M12X1.25	-10	M12X1.25	AL.BR.SS.ST
HF-1410-M12X1.5	-10	M12X1.5	AL.BR.SS.ST
HF-1410-M14X1.5	-10	M14X1.5	AL.BR.SS.ST
HF-1410-M16X1.5	-10	M16X1.5	AL.BR.SS.ST
HF-1410-M18X1.5	-10	M18X1.5	AL.BR.SS.ST
HF-1410-M19X1.25	-10	M19X1.25	AL.BR.SS.ST
HF-1410-M20X1.5	-10	M20X1.5	AL.BR.SS.ST
HF-1410-M22X1.5	-10	M22X1.5	AL.BR.SS.ST
HF-1410-M24X1.5	-10	M24X1.5	AL.BR.SS.ST
HF-1412-M12X1.0	-12	M12X1.0	AL.BR.SS.ST
HF-1412-M12X1.25	-12	M12X1.25	AL.BR.SS.ST
HF-1412-M12X1.5	-12	M12X1.5	AL.BR.SS.ST
HF-1412-M14X1.5	-12	M14X1.5	AL.BR.SS.ST
HF-1412-M16X1.5	-12	M16X1.5	AL.BR.SS.ST
HF-1412-M18X1.5	-12	M18X1.5	AL.BR.SS.ST
HF-1412-M20X1.5	-12	M20X1.5	AL.BR.SS.ST
HF-1412-M22X1.5	-12	M22X1.5	AL.BR.SS.ST
HF-1412-M24X1.5	-12	M24X1.5	AL.BR.SS.ST
HF-1416-M40X1.5	-16	M40X1.5	AL.BR.SS.ST
HF-1420-M40X1.5	-20	M40X1.5	AL.BR.SS.ST

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Male Flare Reducers

Part No	AN	AN	Material
HF-1704-3	-4	-3	AL.BR.SS.ST
HF-1706-3	-6	-3	AL.BR.SS.ST
HF-1706-4	-6	-4	AL.BR.SS.ST
HF-1708-6	-8	-6	AL.BR.SS.ST
HF-1710-4	-10	-4	AL.BR.SS.ST
HF-1710-6	-10	-6	AL.BR.SS.ST
HF-1710-8	-10	-8	AL.BR.SS.ST
HF-1712-4	-12	-4	AL.BR.SS.ST
HF-1712-6	-12	-6	AL.BR.SS.ST
HF-1712-8	-12	-8	AL.BR.SS.ST
HF-1712-10	-12	-10	AL.BR.SS.ST
HF-1716-10	-16	-10	AL.BR.SS.ST
HF-1716-12	-16	-12	AL.BR.SS.ST
HF-1720-12	-20	-12	AL.BR.SS.ST
HF-1720-16	-20	-16	AL.BR.SS.ST



● AN Flare Reducers Female/male

Part No	(A)AN	(B)AN	Material
HF-853-4-3	4(7/16X20)	3(3/8X24)	AL,SS,ST,BR
HF-853-6-3	6(9/16X18)	3(3/8X24)	AL,SS,ST,BR
HF-853-6-4	6(9/16X18)	4(7/16X20)	AL,SS,ST,BR
HF-853-8-6	8(3/4X16)	6(9/16X18)	AL,SS,ST,BR
HF-853-10-6	10(7/8X14)	6(9/16X18)	AL,SS,ST,BR
HF-853-10-8	10(7/8X14)	8(3/4X16)	AL,SS,ST,BR
HF-853-12-8	12(1-1/16X12)	8(3/4X16)	AL,SS,ST,BR
HF-853-12-10	12(1-1/16X12)	10(7/8X14)	AL,SS,ST,BR
HF-853-16-12	16(1-5/16X12)	12(1-1/16X12)	AL,SS,ST,BR



● Metric Plug

Part No	AN	ORB	Material
HF2227-03	-3	-3	AL.BR.SS.ST
HF2227-04	-4	-4	AL.BR.SS.ST
HF2227-06	-6	-6	AL.BR.SS.ST
HF2227-08	-8	-8	AL.BR.SS.ST
HF2227-10	-10	-10	AL.BR.SS.ST
HF2227-12	-12	-12	AL.BR.SS.ST
HF2227-16	-16	-16	AL.BR.SS.ST



● AN Flare Reducers Female/male

Part No	(A)AN	(B)AN	Material
HF-852-4-3	-4	-3	AL.BR.SS.ST
HF-852-6-4	-6	-4	AL.BR.SS.ST
HF-852-8-6	-8	-6	AL.BR.SS.ST
HF-852-10-6	-10	-6	AL.BR.SS.ST
HF-852-10-8	-10	-8	AL.BR.SS.ST
HF-852-12-10	-12	-10	AL.BR.SS.ST
HF-852-16-12	-16	-12	AL.BR.SS.ST
HF-852-20-16	-20	-16	AL.BR.SS.ST



● Metric Plug

Part No	Thread	Material
HF2228-M1610	M16X1.0	AL,SS,ST,BR

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● AN Male To Female Bsp Adapter

Part No	(A)AN	(B)AN
HF-851-4-3	-4	-3
HF-851-4-6	-4	-6
HF-851-6-3	-6	-3
HF-851-6-4	-6	-4
HF-851-6-8	-6	-8
HF-851-8-4	-8	-4
HF-851-8-6	-8	-6
HF-851-8-10	-8	-10
HF-851-10-6	-10	-6
HF-851-10-8	-10	-8
HF-851-12-8	-12	-8
HF-851-12-10	-12	-10
HF-851-16-12	-16	-12
HF-851-20-16	-20	-16



● Straight Male To Male With 1/8"Port

Part No	AN	Port	Material
HF-856-3	-3	1/8" NPT	AL,SS,ST,BR
HF-856-4	-4	1/8" NPT	AL,SS,ST,BR
HF-856-6	-6	1/8" NPT	AL,SS,ST,BR
HF-856-8	-8	1/8" NPT	AL,SS,ST,BR
HF-856-10	-10	1/8" NPT	AL,SS,ST,BR
HF-856-12	-12	1/8" NPT	AL,SS,ST,BR
HF-856-16	-16	1/8" NPT	AL,SS,ST,BR



● Male NPT To AN With 1/8"Port

Part No	AN	Port	Material
HF-858-6	-6	1/4"	AL,SS,ST,BR
HF-858-6-1	-6	3/8"	AL,SS,ST,BR
HF-858-8	-8	1/4"	AL,SS,ST,BR
HF-858-8-1	-8	3/8"	AL,SS,ST,BR
HF-858-10	-10	1/2"	AL,SS,ST,BR



● Straight Female To Male With 1/8"Port

Part No	AN	Port	Material
HF-857-3	-3	1/8" NPT	AL,SS,ST,BR
HF-857-4	-4	1/8" NPT	AL,SS,ST,BR
HF-857-6	-6	1/8" NPT	AL,SS,ST,BR
HF-857-8	-8	1/8" NPT	AL,SS,ST,BR
HF-857-10	-10	1/8" NPT	AL,SS,ST,BR
HF-857-12	-12	1/8" NPT	AL,SS,ST,BR
HF-857-16	-16	1/8" NPT	AL,SS,ST,BR

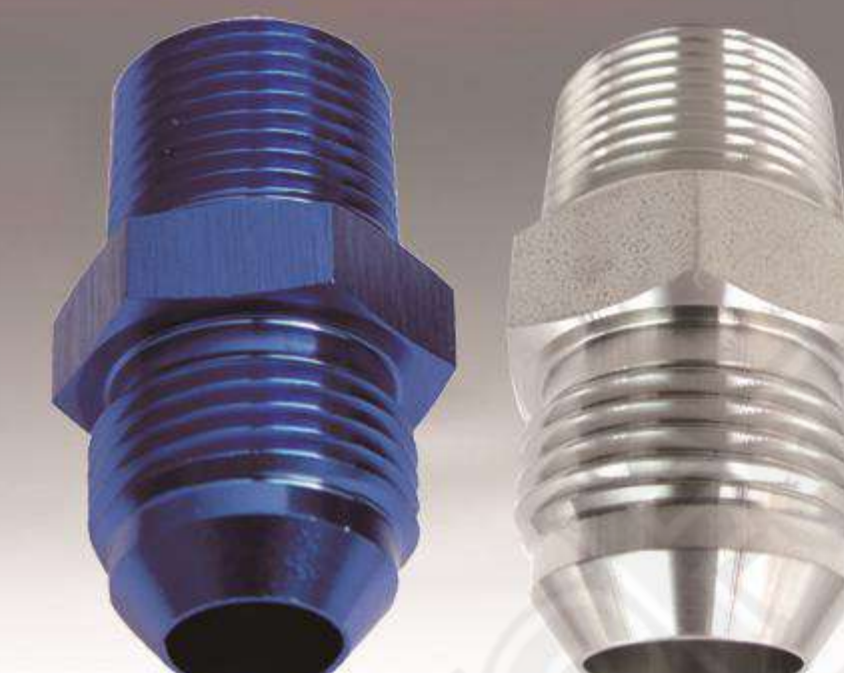


● Straight AN Male To Jic

Part No	AN	Jic	Material
HF-1306-5/8-20	-6	5/8-20	AL,SS,ST,BR
HF-1306-3/4-16	-6	3/4-16	AL,SS,ST,BR
HF-1306-11/16-18	-6	11/16-18	AL,SS,ST,BR
HF-1306-1/2-20	-6	1/2-20	AL,SS,ST,BR
HF-1306-7/8-20	-8	7/8-20	AL,SS,ST,BR
HF-1306-5/8-18	-10	5/8-18	AL,SS,ST,BR

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Male AN To PT

Part No	AN	PT	Material
HF-1203-1/8X28PT	-3	1/8X28pt	AL,BR,SS,ST
HF-1204-1/8X28PT	-4	1/8X28pt	AL,BR,SS,ST
HF-1204-1/4X19PT	-4	1/4X19pt	AL,BR,SS,ST
HF-1206-1/8X28PT	-6	1/8X28pt	AL,BR,SS,ST
HF-1206-1/4X19PT	-6	1/4X19pt	AL,BR,SS,ST
HF-1206-3/8X19PT	-6	3/8X19pt	AL,BR,SS,ST
HF-1208-1/4X19PT	-8	1/4X19pt	AL,BR,SS,ST
HF-1208-3/8X19PT	-8	3/8X19pt	AL,BR,SS,ST
HF-1208-1/2X14PT	-8	1/2X14pt	AL,BR,SS,ST
HF-1210-3/8X19PT	-10	3/8X19pt	AL,BR,SS,ST
HF-1210-1/2X14PT	-10	1/2X14pt	AL,BR,SS,ST
HF-1210-3/4X14PT	-10	3/4X11pt	AL,BR,SS,ST
HF-1212-1X11PT	-12	1X11pt	AL,BR,SS,ST
HF-1220-1-1/4X11PT	-20	1-1/4X11pt	AL,BR,SS,ST



● Inverted Flare Adapters To AN

Part No	AN	Thread (INV.)	Material
HF-1804-7/16X24	-4	7/16X24	AL,SS,ST,BR
HF-1804-5/8X18	-4	5/8X18	AL,SS,ST,BR
HF-1806-7/16X24	-6	7/16X24	AL,SS,ST,BR
HF-1806-1/2X20	-6	1/2X20	AL,SS,ST,BR
HF-1806-5/8X18	-6	5/8X18	AL,SS,ST,BR
HF-1806-11/16X18	-6	11/16X18	AL,SS,ST,BR
HF-1806-M14X1.5	-6	M14X1.5	AL,SS,ST,BR
HF-1806-M16X1.5	-6	M16X1.5	AL,SS,ST,BR
HF-1806-M18X1.5	-6	M18X1.5	AL,SS,ST,BR
HF-1808-1/2X20	-8	1/2X20	AL,SS,ST,BR
HF-1808-5/8X18	-8	5/8X18	AL,SS,ST,BR
HF-1808-M14X1.5	-8	M14X1.5	AL,SS,ST,BR
HF-1808-M16X1.5	-8	M16X1.5	AL,SS,ST,BR
HF-1808-M18X1.5	-8	M18X1.5	AL,SS,ST,BR
HF-1810-5/8X18	-10	5/8X18	AL,SS,ST,BR
HF-1810-3/4X18	-10	3/4X18	AL,SS,ST,BR



● Straight AN Male To BSP Male

Part No	AN	BSP	Material
HF-1904-1/4X19	-4	1/4X19	AL,BR,SS,ST
HF-1906-1/8X28	-6	1/8X28	AL,BR,SS,ST
HF-1906-1/4X19	-6	1/4X19	AL,BR,SS,ST
HF-1906-3/8X19	-6	3/8X19	AL,BR,SS,ST
HF-1906-1/2X14	-6	1/2X14	AL,BR,SS,ST
HF-1908-1/4X19	-8	1/4X19	AL,BR,SS,ST
HF-1908-3/8X19	-8	3/8X19	AL,BR,SS,ST
HF-1908-1/2X14	-8	1/2X14	AL,BR,SS,ST
HF-1910-3/8X19	-10	3/8X19	AL,BR,SS,ST
HF-1910-1/2X14	-10	1/2X14	AL,BR,SS,ST
HF-1910-3/4X14	-10	3/4X14	AL,BR,SS,ST
HF-1910-1/2X14	-10	1/2X14	AL,BR,SS,ST
HF-1910-5/8X14	-10	5/8X14	AL,BR,SS,ST
HF-1912-1/2X14	-12	1/2X14	AL,BR,SS,ST
HF-1912-3/4X14	-12	3/4X14	AL,BR,SS,ST
HF-1912-5/8X14	-12	5/8X14	AL,BR,SS,ST
HF-1903-1/8X28	-3	1/8X28	AL,BR,SS,ST
HF-1904-1/8X28	-4	1/8X28	AL,BR,SS,ST



● Male NPT To Barb Straight

Part No	NPT	BARB (O.D.)	Material
HF-841-4	1/8"	Φ5.86	AL,BR,SS,ST
HF-841-6	1/4"	Φ9.05	AL,BR,SS,ST
HF-841-8	3/8"	Φ11.5	AL,BR,SS,ST
HF-841-10	1/2"	Φ14.6	AL,BR,SS,ST
HF-841-10.5	1/4"	Φ10.5	AL,BR,SS,ST
HF-841-12	3/4"	Φ17.7	AL,BR,SS,ST
HF-841-6-1/8	1/8"	Φ9.05	AL,BR,SS,ST
HF-841-18	7/8X14	Φ18	AL,BR,SS,ST
HF-841-12-1	M12X1.5	Φ12	AL,BR,SS,ST
HF-841-9	M12X1.5	Φ9	AL,BR,SS,ST
HF-841-12-2	M14X1.5	Φ12	AL,BR,SS,ST
HF-841-12-3	9/16X18	Φ12	AL,BR,SS,ST
HF-841-9-2	M14X1.5	Φ9	AL,BR,SS,ST
HF-841-12-4	M18X1.5	Φ12	AL,BR,SS,ST
HF-841-5/8	1/2"	Φ5/8	AL,BR,SS,ST
HF-841-1/4	1/8"	Φ1/4	AL,BR,SS,ST
HF-841-1	3/4"	Φ1"	AL,BR,SS,ST
HF-841-9-3	9/16X18	Φ9.4	AL,BR,SS,ST

>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● 45° Male NPT To Barb

Part No	NPT	Barb(O.D.)	Material
HF-844-4B	1/8"	3/16"	AL,SS,ST
HF-844-4	1/8"	1/4"	AL,SS,ST
HF-844-05	1/8"	5/16"	AL,SS,ST
HF-844-05-06	3/8"	5/16"	AL,SS,ST
HF-844-6	1/4"	3/8"	AL,SS,ST
HF-844-06-06	3/8"	3/8"	AL,SS,ST
HF-844-06-08	1/2"	3/8"	AL,SS,ST
HF-844-8	3/8"	1/2"	AL,SS,ST
HF-844-08-08	1/2"	1/2"	AL,SS,ST
HF-844-10-06	3/8"	5/8"	AL,SS,ST
HF-844-10	1/2"	5/8"	AL,SS,ST
HF-844-12-08	1/2"	3/4"	AL,SS,ST
HF-844-12	3/4"	3/4"	AL,SS,ST



● 90° Male NPT To Barb

Part No	NPT	Barb(O.D.)	Material
HF-843-4B	1/8"	3/16"	AL,SS,ST
HF-843-4	1/8"	1/4"	AL,SS,ST
HF-843-05	1/8"	5/16"	AL,SS,ST
HF-843-05-06	3/8"	5/16"	AL,SS,ST
HF-843-6	1/4"	3/8"	AL,SS,ST
HF-843-06-06	3/8"	3/8"	AL,SS,ST
HF-843-06-08	1/2"	3/8"	AL,SS,ST
HF-843-8	3/8"	1/2"	AL,SS,ST
HF-843-08-08	1/2"	1/2"	AL,SS,ST
HF-843-10-06	3/8"	5/8"	AL,SS,ST
HF-843-10	1/2"	5/8"	AL,SS,ST
HF-843-12-08	1/2"	3/4"	AL,SS,ST
HF-843-12	3/4"	3/4"	AL,SS,ST



● 90° Male Flare Union With 1/8" Port

Part No	AN	NPT	Material
HF2229-06-B	-6	1/8"	AL,SS,ST
HF2229-08-B	-8	1/8"	AL,SS,ST



● Flare Tee AN With 1/8" Port

Part No	AN	NPT	Material
HF2230-6B	-6	1/8"	AL,SS,ST
HF2230-8B	-8	1/8"	AL,SS,ST



● 45° Male Flare Union With 1/8" Port

Part No	AN	NPT	Material
HF2231-06-B	-6	1/8"	AL,SS,ST
HF2231-08-B	-8	1/8"	AL,SS,ST



● ORB To Barb Adapter

Part No	ORB	Barb(OD)	Material
HF2232-06-D05	AN6	5/16"	AL,SS,ST,BR
HF2232-06-D06	AN6	3/8"	AL,SS,ST,BR
HF2232-06-D08	AN6	1/2"	AL,SS,ST,BR
HF2232-08-D06	AN8	3/8"	AL,SS,ST,BR
HF2232-08-D08	AN8	1/2"	AL,SS,ST,BR

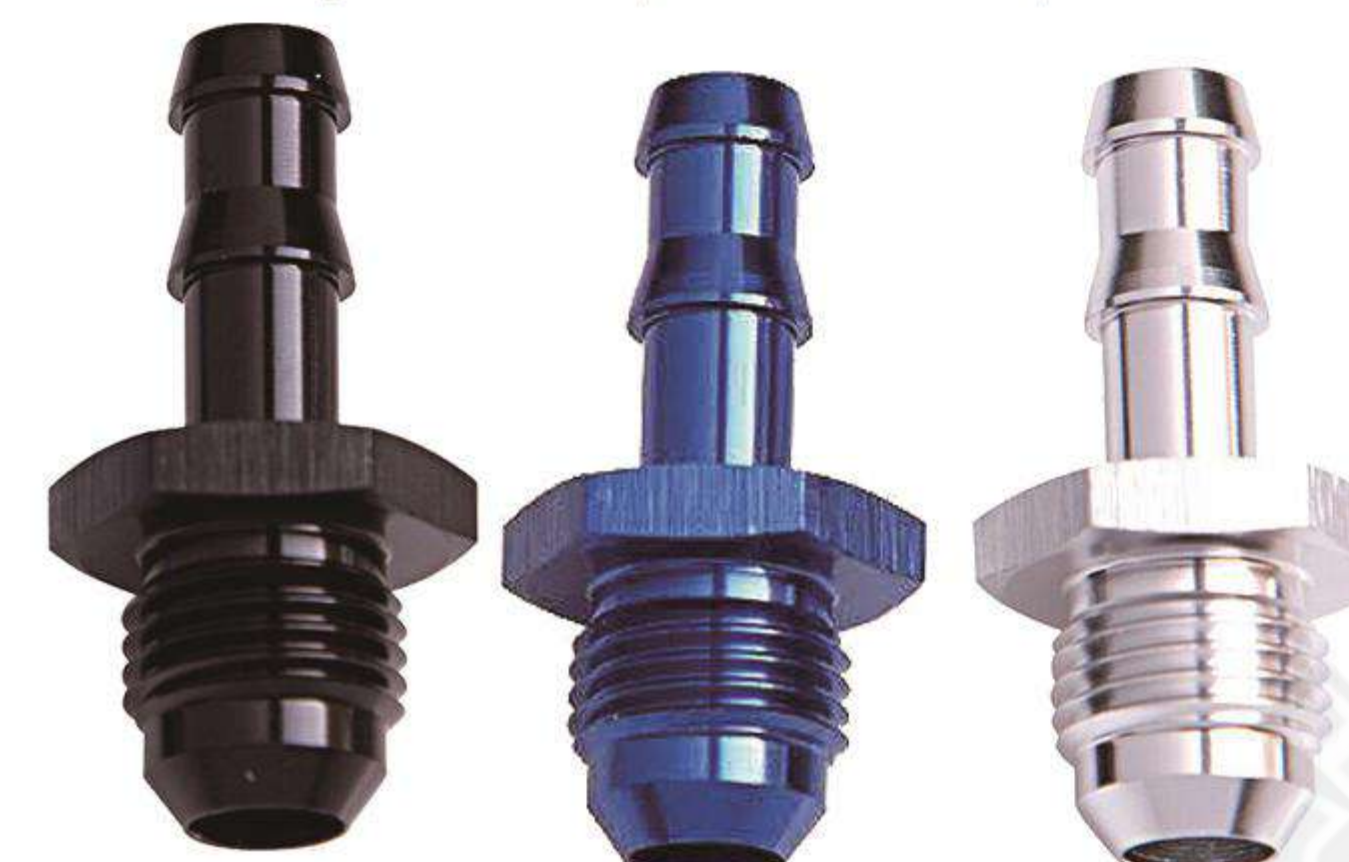
>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Metric To Barb Adapters

Part No	Barb (O.D.)	Thread	Material
HF-876-1	Φ12.7	M18X1.5	AL,BR,SS,ST
HF-876-2	Φ19	M18X1.5	AL,BR,SS,ST
HF-876-3	8mm	M18X1.5	AL,BR,SS,ST
HF-876-4	15mm	M18X1.5	AL,BR,SS,ST
HF-876-5	Φ8	M12X1.5	AL,BR,SS,ST
HF-876-6	Φ9.5	M12X1.5	AL,BR,SS,ST
HF-876-7	5/8barb	M18X1.5	AL,BR,SS,ST
HF-876-8	Φ12	M12X1.5	AL,BR,SS,ST
HF-876-9	Φ9	M12X1.5	AL,BR,SS,ST
HF-876-10	1/4barb	M12X1.5	AL,BR,SS,ST
HF-876-11	1/2barb	M12X1.5	AL,BR,SS,ST
HF-876-12	9mm	M14X1.5	AL,BR,SS,ST
HF-876-13	3/8barb	M14X1.5	AL,BR,SS,ST
HF-876-14	3/8barb	M16X1.5	AL,BR,SS,ST
HF-876-15	3/8barb	M22X1.5	AL,BR,SS,ST
HF-876-16	1/2barb	M14X1.5	AL,BR,SS,ST
HF-876-17	8mm	M16X1.5	AL,BR,SS,ST
HF-876-18	5/16barb	M18X1.5	AL,BR,SS,ST
HF-876-19	3/8barb	M18X1.5	AL,BR,SS,ST
HF-876-20	Φ8	M14X1.5	AL,BR,SS,ST
HF-876-21	Φ8	M18X1.5	AL,BR,SS,ST



● AN Flare To Barb Adapters

Part No	AN	Barb (O.D.)	Material
HF-837-4-1/4	-4	1/4"	AL,SS,ST,BR
HF-837-6-5/16	-6	5/16"	AL,SS,ST,BR
HF-837-6-3/8	-6	3/8"	AL,SS,ST,BR
HF-837-8-1/2	-8	1/2"	AL,SS,ST,BR
HF-837-10-5/8	-10	5/8"	AL,SS,ST,BR
HF-837-10-1/2	-10	1/2"	AL,SS,ST,BR
HF-837-6-1/2	-6	1/2"	AL,SS,ST,BR
HF-837-8-3/8	-8	3/8"	AL,SS,ST,BR
HF-837-8-5/16	-8	5/16"	AL,SS,ST,BR



● Barb Banjos

Part No	Barb	A(mm)	Material
HF-883-10	Φ10mm	16.4mm	AL,BR,SS,ST
HF-883-9.3	Φ9.3mm	12.1mm	AL,BR,SS,ST
HF-883-5/16	5/16" -8mm	12.1mm	AL,BR,SS,ST
HF-883-3/8	3/8" barb	12.1mm	AL,BR,SS,ST
HF-883-2/1	1/2" barb	12.1mm	AL,BR,SS,ST



● ORB To Barb Adapter

Part No	AN	BARB (O.D.)	Material
HF-875-4-3/8	4	3/8barb	AL,BR,SS,ST
HF-875-4-1/4	4	1/4barb	AL,BR,SS,ST
HF-875-4-5/16	4	5/16barb	AL,BR,SS,ST
HF-875-6	6	6mm	AL,BR,SS,ST
HF-875-6-5/16	6	5/16barb	AL,BR,SS,ST
HF-875-6-3/8	6	3/8barb	AL,BR,SS,ST
HF-875-6-12	6	12mm	AL,BR,SS,ST
HF-875-8-5/16	8	5/16barb	AL,BR,SS,ST
HF-875-8-3/8	8	3/8barb	AL,BR,SS,ST
HF-875-8-1/2	8	1/2barb	AL,BR,SS,ST
HF-875-10-1/2	10	1/2barb	AL,BR,SS,ST
HF-875-10-5/8	10	5/8barb	AL,BR,SS,ST
HF-875-10-3/8	10	3/8barb	AL,BR,SS,ST



>> ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Banjo Bolts

Part No	Therad	Length	Material
HF-879-1	M8X1.0	20mm	AL,SS,ST,BR
HF-879-2	M8X1.25	20mm	AL,SS,ST,BR
HF-879-3	M10X1.0	20mm	AL,SS,ST,BR
HF-879-4	M10X1.25	20mm	AL,SS,ST,BR
HF-879-5	M12X1.0	20mm	AL,SS,ST,BR
HF-879-6	M12X1.25	20mm	AL,SS,ST,BR
HF-879-7	M12X1.5	24mm	AL,SS,ST,BR
HF-879-8	M12X1.5	20mm	AL,SS,ST,BR
HF-879-9	M14X1.25	22mm	AL,SS,ST,BR
HF-879-10	M14X1.5	22mm	AL,SS,ST,BR
HF-879-11	M14X1.5	32mm	AL,SS,ST,BR
HF-879-12	M16X1.5	24mm	AL,SS,ST,BR
HF-879-13	M16X1.5	32mm	AL,SS,ST,BR
HF-879-14	M18X1.5	26mm	AL,SS,ST,BR
HF-879-15	M18X1.5	33.2mm	AL,SS,ST,BR
HF-879-16	M18X1.5	32.2mm	AL,SS,ST,BR
HF-879-17	M18X1.5	38mm	AL,SS,ST,BR
HF-879-18	M22X1.5	29.5mm	AL,SS,ST,BR
HF-879-19	5/8-20"	24mm	AL,SS,ST,BR
HF-879-20	3/4UNF	33.2mm	AL,SS,ST,BR
HF-879-21	M10X1.0	23mm	AL,SS,ST,BR
HF-879-22	M10X1.25	23mm	AL,SS,ST,BR
HF-879-23	M10X1.5	23mm	AL,SS,ST,BR
HF-879-24	M11X1.0	23mm	AL,SS,ST,BR
HF-879-25	1/2-20"	22mm	AL,SS,ST,BR
HF-879-26	7/16-24"	19mm	AL,SS,ST,BR
HF-879-27	9/16-24"	23mm	AL,SS,ST,BR
HF-879-28	9/16-18"	23mm	AL,SS,ST,BR
HF-879-29	3/8-20"	23mm	AL,SS,ST,BR
HF-879-30	3/8-24"	23mm	AL,SS,ST,BR
HF-879-31	7/16-20"	23mm	AL,SS,ST,BR
HF-879-32	7/16-24"	23mm	AL,SS,ST,BR



● Double Ended AN Banjos

Part No	AN	I.D.	Material
HF2233-03	-3	10.2mm	AL,SS,ST,BR
HF2233-04	-4	12.5mm	AL,SS,ST,BR
HF2233-06	-6	14.5mm	AL,SS,ST,BR



● AN Banjos Fitting

Part No	AN	I.D.	Material
HF-880-3-85	-3	8.5mm	AL,SS,ST,BR
HF-880-3-11	-3	11mm	AL,SS,ST,BR
HF-880-3-12	-3	12mm	AL,SS,ST,BR
HF-880-3-14	-3	14mm	AL,SS,ST,BR
HF-880-4-M8	-4	8.5mm	AL,SS,ST,BR
HF-880-4-M10	-4	10.1mm	AL,SS,ST,BR
HF-880-4-M12	-4	12.5mm	AL,SS,ST,BR
HF-880-4-105	-4	10.5mm	AL,SS,ST,BR
HF-880-4-11	-4	11mm	AL,SS,ST,BR
HF-880-4-13	-4	13mm	AL,SS,ST,BR
HF-880-4-145	-4	14.5mm	AL,SS,ST,BR
HF-880-6-121	-6	12.1mm	AL,SS,ST,BR
HF-880-6-105	-6	10.5mm	AL,SS,ST,BR
HF-880-6-123	-6	12.3mm	AL,SS,ST,BR
HF-880-6-125	-6	12.5mm	AL,SS,ST,BR
HF-880-6-13	-6	13mm	AL,SS,ST,BR
HF-880-6-145	-6	14.5mm	AL,SS,ST,BR
HF-880-6-165	-6	16.5mm	AL,SS,ST,BR
HF-880-6-185	-6	18.5mm	AL,SS,ST,BR
HF-880-8-105	-8	10.5mm	AL,SS,ST,BR
HF-880-8-125	-8	12.5mm	AL,SS,ST,BR
HF-880-8-145	-8	14.5mm	AL,SS,ST,BR
HF-880-8-165	-8	16.5mm	AL,SS,ST,BR
HF-880-8-185	-8	18.5mm	AL,SS,ST,BR
HF-880-8-M22	-8	22.2mm	AL,SS,ST,BR
HF-880-10-165	-10	16.5mm	AL,SS,ST,BR
HF-880-10-185	-10	18.5mm	AL,SS,ST,BR
HF-880-10-M22	-10	22.2mm	AL,SS,ST,BR
HF-880-12-185	-12	18.5mm	AL,SS,ST,BR
HF-880-12-M22	-12	22.2mm	AL,SS,ST,BR

>> WELD ADAPTER FITTINGS

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● AN Weld ON Bung

Part No	AN	Material
HF2234-7104	-4	AL,BR,SS,ST
HF2234-7106	-6	AL,BR,SS,ST
HF2234-7108	-8	AL,BR,SS,ST
HF2234-7110	-10	AL,BR,SS,ST
HF2234-7112	-12	AL,BR,SS,ST
HF2234-7116	-16	AL,BR,SS,ST
HF2234-7120	-20	AL,BR,SS,ST



● AN Weld ON Bung

Part No	AN	Material
HF2235-7204	-4	AL,SS,ST,BR
HF2235-7206	-6	AL,SS,ST,BR
HF2235-7208	-8	AL,SS,ST,BR
HF2235-7210	-10	AL,SS,ST,BR
HF2235-7212	-12	AL,SS,ST,BR



● Barb Weld ON Bung

Part No	Barb(O.D.)	Material
HF2236-04	1/4"	AL,SS,ST,BR
HF2236-06	3/8"	AL,SS,ST,BR
HF2236-08	1/2"	AL,SS,ST,BR
HF2236-10	5/8"	AL,SS,ST,BR
HF2236-12	3/4"	AL,SS,ST,BR



● NPT Weld ON Bung

Part No	NPT	Material
HF-891-1/8	1/8"	AL,BR,SS,ST
HF-891-1/4	1/4"	AL,BR,SS,ST
HF-891-3/8	3/8"	AL,BR,SS,ST
HF-891-1/2	1/2"	AL,BR,SS,ST
HF-891-3/4	3/4"	AL,BR,SS,ST
HF-891-1/8-1	1/8"	AL,BR,SS,ST
HF-891-1/4-1	1/4"	AL,BR,SS,ST
HF-891-3/8-1	3/8"	AL,BR,SS,ST
HF-891-1/2-1	1/2"	AL,BR,SS,ST
HF-891-3/4-1	3/4"	AL,BR,SS,ST



● NPT Weld ON Bung

Part No	NPT	Material
HF2237-6801	1/8"	AL,BR,SS,ST
HF2237-6802	1/4"	AL,BR,SS,ST
HF2237-6803	3/8"	AL,BR,SS,ST
HF2237-6804	1/2"	AL,BR,SS,ST
HF2237-6805	3/4"	AL,BR,SS,ST



● Female Metric Weld ON Bung

Part No	Metric	Material
HF-888-M10	M1010	AL,SS,ST
HF-888-M12	M1215	AL,SS,ST
HF-888-M14	M1415	AL,SS,ST



● Weld ON Bung

Part No	AN	Material
HF-885-3	-3	AL,SS,ST
HF-885-4	-4	AL,SS,ST
HF-885-6	-6	AL,SS,ST
HF-885-8	-8	AL,SS,ST
HF-885-10	-10	AL,SS,ST
HF-885-12	-12	AL,SS,ST
HF-885-16	-16	AL,SS,ST
HF-885-20	-20	AL,SS,ST

>> TURBO DRAIN ADAPTER

Material: anodised aluminium(AL), brass(BR), stainless steel(SS), zinc plated steel(ST)



● Turbo Drain Adapter

Part No	AN	Bolt Pattern	Material
HF-940	-6	38.1mm(1.5")	AL



● Turbo Drain Adapter

Part No	C(AN)	B(mm)	Bolt Pattern	Material
HF-939-1	-6	Φ10.9	39mm	AL
HF-939-2	-6	Φ10.9	32mm	AL
HF-939-3	-6	Φ15.9	39mm	AL
HF-939-4	-4	Φ10.9	39mm	AL



● Turbo Drain Adapter

Part No	AN	Metric(ORB)	Material
HF2238-06-M12X1.25	-6	M12X1.25	AL



● Stainless Hose Ends

Part No	AN	Thread	Material
HF-938-3-1	-3	M10X1.0	AL
HF-938-3-1.25	-3	M10X1.25	AL
HF-938-3-1.5	-3	M10X1.5	AL
HF-938-3/8	-3	3/8-24	AL



● Turbo Drain Adapter

Part No	Size	A(mm)	Material
HF-951-18.3	Φ18.3	42mm	AL
HF-951-8	AN8	42mm	AL



● Turbo Drain Adapter

Part No	AN	A	Bolt Pattern	Material
HF2239-7/8-14	-10	37°	38-41.4mm(1.5")	AL
HF2239-7/8-14	-10	45°	50.0-51mm(2.0")	AL



● Turbo Drain Adapter

Part No	AN	Bolt Pattern	Material
HF-948-3	-8	50.8mm	AL

>> Y-ADAPTER



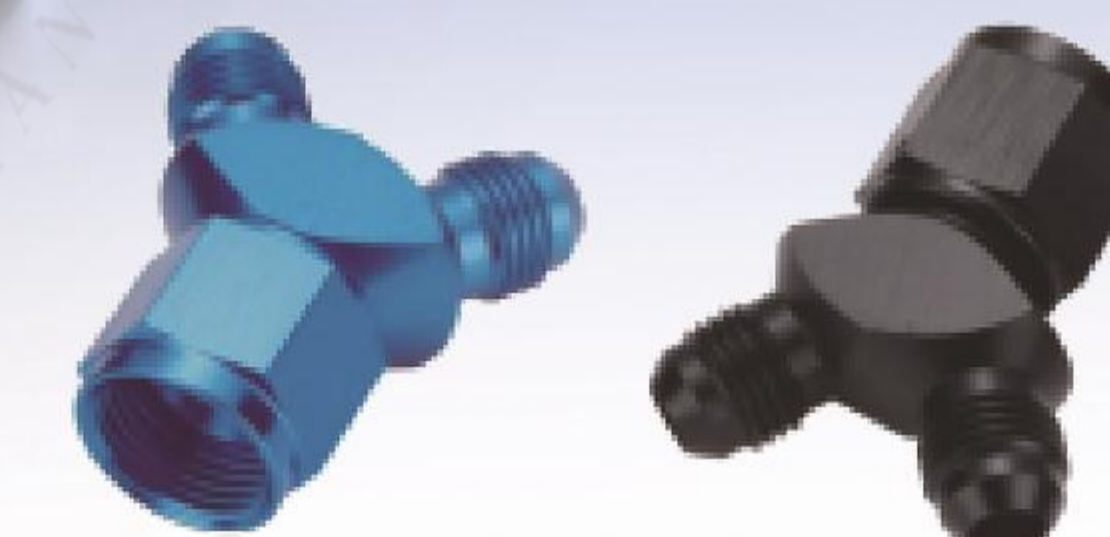
● Billet Y-Block

Part No	Thread	Popt
HF2279-1	IN 1/2" NPT OUT 3/8" NPT	1/2" NPT
HF2279-2	IN 3/8" NPT OUT 3/8" NPT	1/2" NPT
HF2279-3	IN 1/2" NPT OUT 1/2" NPT	1/2" NPT
HF2279-4	IN 1/2" NPT OUT 3/8" NPT	1/8" NPT
HF2279-5	IN 3/8" NPT OUT 3/8" NPT	1/8" NPT
HF2279-6	IN 1/2" NPT OUT 1/2" NPT	1/8" NPT



● Y-Adapter

Part No	Inlet	Outlet
HF-957-1/8-3	1/8" NPT	3
HF-957-3-3	3	3
HF-957-4-3	4	3
HF-957-4-4	4	4
HF-957-6-6	6	6
HF-957-6-4	6	4
HF-957-8-6	8	6
HF-957-8-8	8	8
HF-957-10-8	10	8
HF-957-10-10	10	10
HF-957-8-12	8	12
HF-957-10-12	10	12
HF-957-12-12	12	12
HF-957-16-16	16	16



● Fuel Pump Y Adaptor

Part No	Size
HF-956-6	2 X AN6
HF-956-8	2 X AN8
HF-956-10	2 X AN10



● 1/8NPT Female Y Adapters

Part No	Inlet	Outlet
HF-954-61	1/8	1/8



● Fuel Pump Y Adaptor

Part No	Size
HF-955-6	2 X AN6 Female
HF-955-8	2 X AN8 Female



● Male NPT Identification Chart

1" 3/4" 1/2" 3/8" 1/4" 1/8"

● Male AN/ORB Adapter Identification Chart

NOTE: -AN and ORB thread are the same diameter. AN seals with the flare, ORB seals with an O-ring.



● AN Hex Od Identification Chart

A sequence of six black hexagons of decreasing size, each containing a negative integer: -16, -12, -10, -8, -6, and -4.

● **NPT** (National Pipe Thread)

Thread Size	Threads Per Inch	Closest AN Size
1/16"	27	3
1/8"	27	4
1/4"	18	6
3/8"	18	8
1/2"	14	10
3/4"	14	12
1"	11-1/2	16
1-1/4"	11-1/2	20
1-1/2"	11-1/2	24
2"	11-1/2	32

- AN Thread

Thread Size	Thread Size SAE	Threads Per Inch	Max Torque
-3	3/8	24	8.75
-4	7/16	20	11.5
-5	1/2	20	14.3
-6	9/16	18	16.25
-7	5/8	18	19.5
-8	3/4	16	29
-10	7/8	14	35
-12	1-1/16	12	45
-16	1-5/16	12	70
-20	1-5/8	12	85

● AN Nut

Hex Sizes	B Nut AN Side	S Nut Hose Side
-3	1/2"	
-4	9/16"	23/32"
-6	11/16"	7/8"
-8	7/8"	1-1/32"
-10	1"	1-7/32"
-12	1-1/4"	1-7/16"
-16	1-1/2"	1-3/4"
-20	1-13/16"	2-5/16"

– Note

[illegible]