

# Brake *Quip*

**BRAKE HOSE MANUFACTURING SYSTEMS**

**Innovative Solutions For Automotive Plumbing**

## **Fitting & Accessory Catalog**



# METRIC CONVERSION TABLE

FRACTION (IN.)	DECIMAL (IN.)	METRIC (MM)
1/32	0.031	0.79
1/16	0.063	1.59
3/32	0.094	2.38
1/8	0.125	3.17
5/32	0.156	3.97
3/16	0.188	4.76
7/32	0.219	5.56
1/4	0.25	6.35
9/32	0.281	7.14
5/16	0.313	7.94
11/32	0.344	8.73
3/8	0.375	9.52
13/32	0.406	10.32
7/16	0.438	11.11
15/32	0.469	11.91
1/2	0.5	12.70
17/32	0.531	13.49
9/16	0.563	14.29
19/32	0.594	15.08
5/8	0.625	15.88
21/32	0.656	16.67
11/16	0.688	17.46
23/32	0.719	18.26
3/4	0.75	19.05
25/32	0.781	19.84
13/16	0.813	20.64
27/32	0.844	21.43
7/8	0.875	22.22
29/32	0.906	23.02
15/16	0.938	23.81
31/32	0.969	24.61
1	1.0	25.40
1 1/32	1.031	26.19
1 1/16	1.063	26.99
1 3/32	1.094	27.78
1 1/8	1.125	28.57
1 5/32	1.156	29.37
1 3/16	1.188	30.16
1 7/32	1.219	30.96
1 1/4	1.25	31.75
1 9/32	1.281	32.54
1 5/16	1.313	33.34
1 11/32	1.344	34.13
1 3/8	1.375	34.93
1 13/32	1.406	35.72
1 7/16	1.438	36.51
1 15/32	1.469	37.31
1 1/2	1.5	38.10
1 17/32	1.531	38.89
1 9/16	1.563	39.69
1 19/32	1.594	40.48
1 5/8	1.625	41.28
1 21/32	1.656	42.07
1 11/16	1.688	42.86
1 23/32	1.719	43.66
1 3/4	1.75	44.45
1 25/32	1.781	45.24
1 13/16	1.813	46.04
1 27/32	1.844	46.83
1 7/8	1.875	47.62
1 29/32	1.906	48.42
1 15/16	1.938	49.21
1 31/32	1.969	50.01
2	2.0	50.80

FRACTION (IN.)	DECIMAL (IN.)	METRIC (MM)
2 1/32	2.031	51.59
2 1/16	2.063	52.39
2 3/32	2.094	53.18
2 1/8	2.125	53.98
2 5/32	2.156	54.77
2 3/16	2.188	55.56
2 7/32	2.219	56.36
2 1/4	2.25	57.15
2 9/32	2.281	57.94
2 5/16	2.313	58.74
2 11/32	2.344	59.53
2 3/8	2.375	60.32
2 13/32	2.406	61.12
2 7/16	2.438	61.91
2 15/32	2.469	62.71
2 1/2	2.5	63.50
2 17/32	2.531	64.29
2 9/16	2.563	65.09
2 19/32	2.594	65.88
2 5/8	2.625	66.68
2 21/32	2.656	67.47
2 11/16	2.688	68.26
2 23/32	2.719	69.06
2 3/4	2.75	69.85
2 25/32	2.781	70.64
2 13/16	2.813	71.44
2 27/32	2.844	72.23
2 7/8	2.875	73.03
2 29/32	2.906	73.82
2 15/16	2.938	74.61
2 31/32	2.969	75.41
3	3.0	76.20
3 1/32	3.031	76.99
3 1/16	3.063	77.79
3 3/32	3.094	78.58
3 1/8	3.125	79.38
3 5/32	3.156	80.17
3 3/16	3.188	80.96
3 7/32	3.219	81.76
3 1/4	3.25	82.55
3 9/32	3.281	83.34
3 5/16	3.313	84.14
3 11/32	3.344	84.93
3 3/8	3.375	85.73
3 13/32	3.406	86.52
3 7/16	3.438	87.31
3 15/32	3.469	88.11
3 1/2	3.5	88.90
3 17/32	3.531	89.69
3 9/16	3.563	90.49
3 19/32	3.594	91.28
3 5/8	3.625	92.08
3 21/32	3.656	92.87
3 11/16	3.688	93.66
3 23/32	3.719	94.46
3 3/4	3.75	95.25
3 25/32	3.781	96.04
3 13/16	3.813	96.84
3 27/32	3.844	97.63
3 7/8	3.875	98.43
3 29/32	3.906	99.22
3 15/16	3.938	100.01
3 31/32	3.969	100.81
4	4.0	101.60

FRACTION (IN.)	DECIMAL (IN.)	METRIC (MM)
4 1/32	4.031	102.39
4 1/16	4.063	103.19
4 3/32	4.094	103.98
4 1/8	4.125	104.77
4 5/32	4.156	105.57
4 3/16	4.188	106.36
4 7/32	4.219	107.16
4 1/4	4.25	107.95
4 9/32	4.281	108.74
4 5/16	4.313	109.54
4 11/32	4.344	110.33
4 3/8	4.375	111.12
4 13/32	4.406	111.92
4 7/16	4.438	112.71
4 15/32	4.469	113.51
4 1/2	4.5	114.30
4 17/32	4.531	115.09
4 9/16	4.563	115.89
4 19/32	4.594	116.68
4 5/8	4.625	117.47
4 21/32	4.656	118.27
4 11/16	4.688	119.06
4 23/32	4.719	119.86
4 3/4	4.75	120.65
4 25/32	4.781	121.44
4 13/16	4.813	122.24
4 27/32	4.844	123.03
4 7/8	4.875	123.82
4 29/32	4.906	124.62
4 15/16	4.938	125.41
4 31/32	4.969	126.21
5	5.0	127.00
5 1/32	5.031	127.79
5 1/16	5.063	128.59
5 3/32	5.094	129.38
5 1/8	5.125	130.17
5 5/32	5.156	130.97
5 3/16	5.188	131.76
5 7/32	5.219	132.56
5 1/4	5.25	133.35
5 9/32	5.281	134.14
5 5/16	5.313	134.94
5 11/32	5.344	135.73
5 3/8	5.375	136.52
5 13/32	5.406	137.32
5 7/16	5.438	138.11
5 15/32	5.469	138.91
5 1/2	5.5	139.70
5 17/32	5.531	140.49
5 9/16	5.563	141.29
5 19/32	5.594	142.08
5 5/8	5.625	142.88
5 21/32	5.656	143.67
5 11/16	5.688	144.46
5 23/32	5.719	145.26
5 3/4	5.75	146.05
5 25/32	5.781	146.84
5 13/16	5.813	147.64
5 27/32	5.844	148.43
5 7/8	5.875	149.22
5 29/32	5.906	150.02
5 15/16	5.938	150.81
5 31/32	5.969	151.61
6	6.0	152.40

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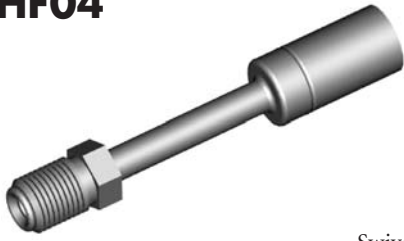
**CAUTION:** Illustrations shown in this reference guide may vary slightly in detail from actual parts due to manufacturer's tolerances and design differences. Note: Illustrations not to scale.

## DISCLAIMER NOTICE

The illustrations and data contained in this illustrated reference guide are intended as an aid in identifying the various products and have been obtained and developed from the specifications and information available. Although Brakequip believes that such illustrations and data are correct, errors may exist and further verification on the part of the user may be necessary.

# MISCELLANEOUS HOSE FITTINGS

## HF04



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NS	Double	1/4"	80mm	V

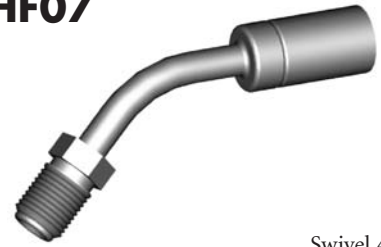
## HF06



Swivel 90°

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NS	Double	1/4"	61mm	V

## HF07



Swivel 45°

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NS	Double	1/4"	76mm	V

## HF08



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
M10 x 1	DIN	3/16"	70mm	EU

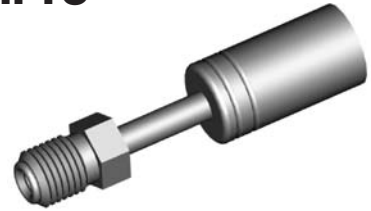
## HF15



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NS	Double	1/4"	52mm	V

## HF16



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	Double	3/16"	57mm	V

## HF16B



Swivel - Brass

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	Double	3/16"	49mm	V

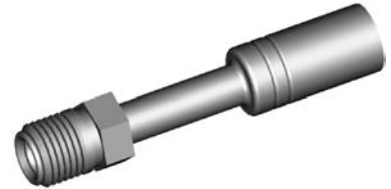
## HF17



Swivel 90°

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	Double	3/16"	49mm	V

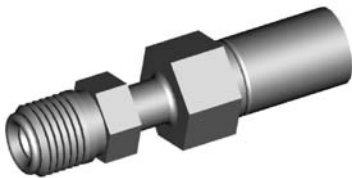
## HF18



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
1/2"NF	Double	5/16"	72mm	V

## HF28



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
1/2"NF	Double	5/16"	60mm	V

## HF29



Swivel 90°

THREAD	FLARE	TUBE SIZE	OAL	FITS
1/2"NF	Double	5/16"	62mm	V

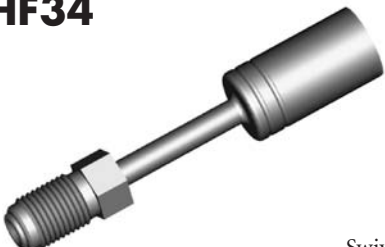
## HF33



Swivel 45°

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	Double	3/16"	65mm	V

## HF34



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
M10 x 1	Double	3/16"	71mm	V

## HF39



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NS	Double	1/4"	54mm	V

## HF52



Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
M10 x 1	DIN	3/16"	57mm	US

MALE SWIVEL

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# MISCELLANEOUS HOSE FITTINGS

MALE SWIVEL

FEMALE SWIVEL

**HF53**

Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
M10 x 1	DIN	3/16"	57mm	US

**HF54**

Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	Double	3/16"	125mm	US

**HF63**

Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	Double	3/16"	88mm	V

**HF81**

Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	Bubble	3/16"	76mm	V

**HF82**

Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
M10x1	DIN	3/16"	71mm	V

**HF89**

Swivel

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NS	Double	1/4"	120mm	US

**HF09**

Swivel  
No. 3 JIC

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	37° Double	3/16"	58mm	V

**HF10**

Swivel 45°  
No. 3 JIC

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	37° Double	3/16"	52mm	V

**HF11**

Swivel 90°  
No. 3 JIC

THREAD	FLARE	TUBE SIZE	OAL	FITS
3/8"NF	37° Double	3/16"	45mm	V

**HF12**

Swivel  
No. 4 JIC

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NF	37° Double	1/4"	50mm	V

**HF13**

Swivel 45°  
No. 4 JIC

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NF	37° Double	1/4"	56mm	V

**HF14**

Swivel 90°  
No. 4 JIC

THREAD	FLARE	TUBE SIZE	OAL	FITS
7/16"NF	37° Double	1/4"	48mm	V

**HF61**

Swivel  
No. 2 JIC

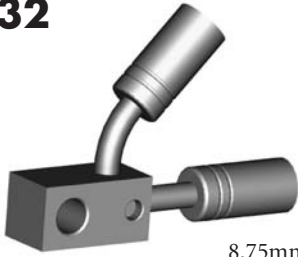
THREAD	FLARE	TUBE SIZE	OAL	FITS
5/16"NF	37° Double		35mm	V

A = Asian      EU = European      US = United States      UNI = Universal      V = Various



# MISCELLANEOUS HOSE FITTINGS

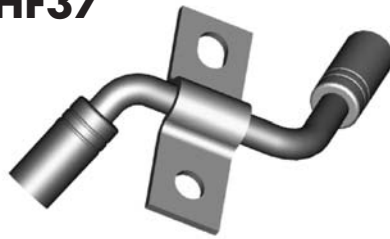
**HF32**



8.75mm Hole

THREAD	FLARE	TUBE SIZE	OAL	FITS
		1/4"	75mm	A

**HF37**



THREAD	FLARE	TUBE SIZE	OAL	FITS
		8mm	86mm	A

**HF38**



THREAD	FLARE	TUBE SIZE	OAL	FITS
		8mm	86mm	A

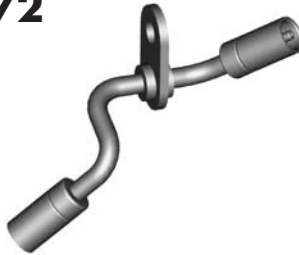
**CENTER JOINER**

**HF71**



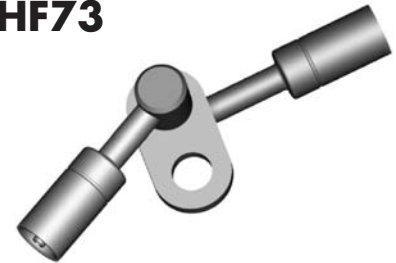
THREAD	FLARE	TUBE SIZE	OAL	FITS
			130mm	A

**HF72**



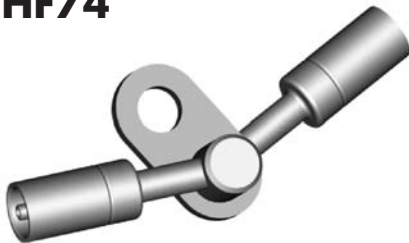
THREAD	FLARE	TUBE SIZE	OAL	FITS
			130mm	A

**HF73**



THREAD	FLARE	TUBE SIZE	OAL	FITS
			95mm	A

**HF74**



THREAD	FLARE	TUBE SIZE	OAL	FITS
			95mm	A

**HF300**



THREAD	FLARE	TUBE SIZE	OAL	FITS
			190mm	US

**HF301**



THREAD	FLARE	TUBE SIZE	OAL	FITS
			190mm	US

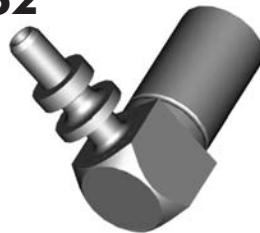
**CLUTCH SPECIAL**

**HF35**



THREAD	FLARE	TUBE SIZE	OAL	FITS
			43mm	US

**HF62**



THREAD	FLARE	TUBE SIZE	OAL	FITS
			35mm	US

**HF83**



O-Ring Included

THREAD	FLARE	TUBE SIZE	OAL	FITS
			35mm	US

**COMPRESSION**

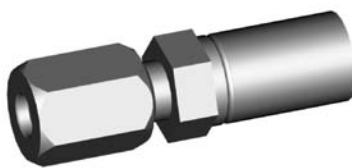
**HF30**



For 3/16" Tube

THREAD	FLARE	TUBE SIZE	OAL	FITS
		3/16"	48mm	UNI

**HF31**



For 1/4" Tube

THREAD	FLARE	TUBE SIZE	OAL	FITS
		1/4"	51mm	UNI

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# MISCELLANEOUS HOSE FITTINGS

LIFESAVER

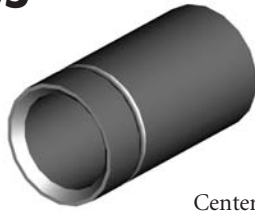
UNIVERSAL

## HF01



THREAD	FLARE	TUBE SIZE	OAL	FITS
		3/16"	27mm	UNI

## HF05



Center Support  
Lifesaver

THREAD	FLARE	TUBE SIZE	OAL	FITS
			25mm	UNI

## HF26



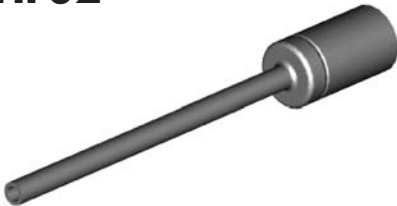
THREAD	FLARE	TUBE SIZE	OAL	FITS
		1/4"	27mm	UNI

## HF27



THREAD	FLARE	TUBE SIZE	OAL	FITS
		5/16"	27mm	UNI

## HF02



THREAD	FLARE	TUBE SIZE	OAL	FITS
		3/16"	100mm	UNI

## HF03



THREAD	FLARE	TUBE SIZE	OAL	FITS
		1/4"	100mm	UNI

A = Asian

EU = European

US = United States

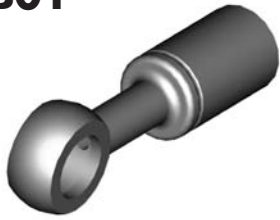
UNI = Universal

V = Various

# BANJO FITTINGS

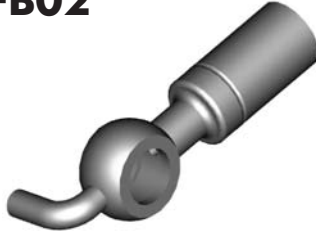
ROUND STYLE - STRAIGHT

## HFB01



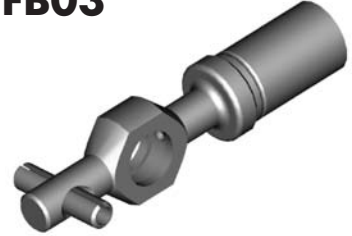
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	-	54mm	V

## HFB02



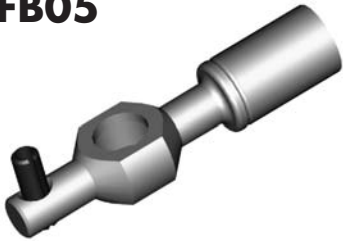
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	-	64mm	A

## HFB03



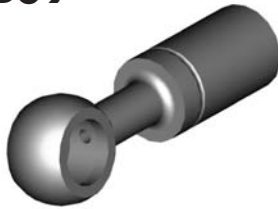
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	-	66mm	A

## HFB05



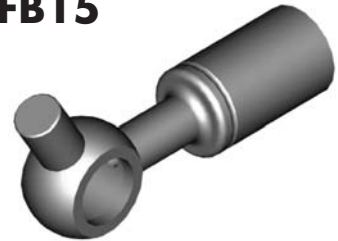
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	17mm	-	65mm	A

## HFB09



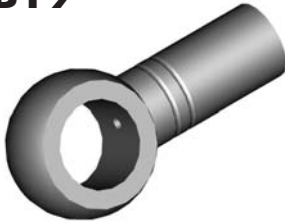
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	-	55mm	V

## HFB15



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	23mm	-	52mm	A

## HFB19



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
15mm	13.5mm	25mm	-	45mm	US

## HFB27



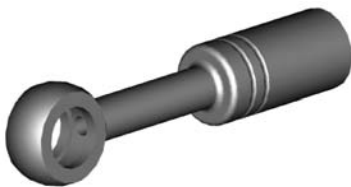
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
8mm	6mm	14mm	-	53mm	V

## HFB28



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	22mm	-	54mm	A

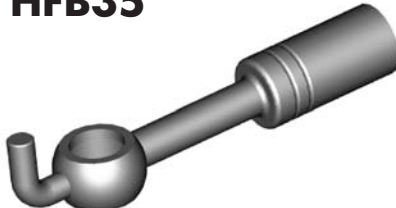
## HFB34



Bendable

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	-	69mm	UNI

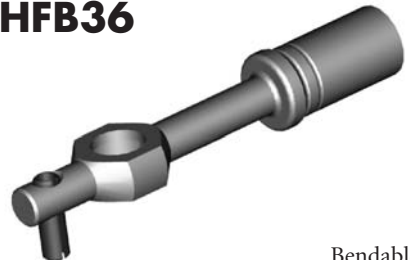
## HFB35



Bendable

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	17mm	-	80mm	UNI

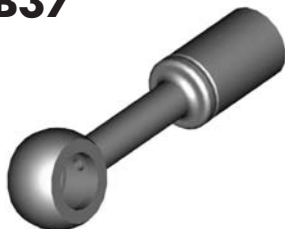
## HFB36



Bendable

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	-	84mm	UNI

## HFB37



Bendable

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	-	64mm	UNI

## HFB47



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
12mm	10mm	19mm	-	55mm	V

## HFB50



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	28mm	-	50mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various



# BANJO FITTINGS

ROUND STYLE - STRAIGHT

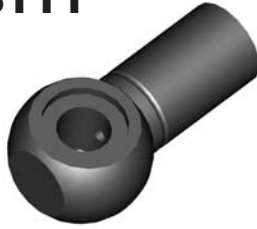
## HFB73



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	28mm	-	50mm	US

## HFB111



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
8mm	13mm	21mm	-	40mm	US

## HFB344



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	17mm		58mm	A

## HFB350



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm		45mm	A

## HFB351



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm		55mm	A

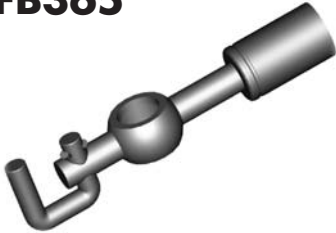
## HFB352



Right

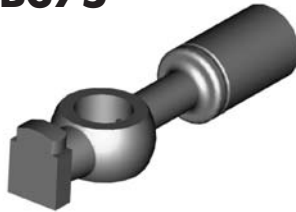
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm		55mm	A

## HFB365



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm		63mm	A

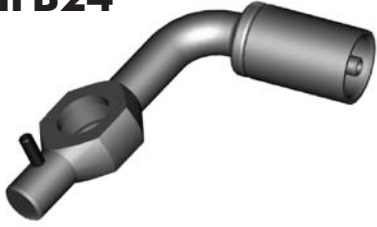
## HFB375



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm		65mm	EU

# BANJO FITTINGS

## HFB24



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	75°	64mm	A

## HFB29



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	28mm	40°	52mm	US

## HFB30



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	17mm	90°	52mm	A

## HFB31



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	17mm	25°	68mm	A

## HFB32



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	90°	39mm	V

## HFB33



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	75°	60mm	A

ROUND STYLE - BENT

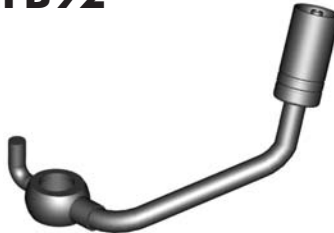
## HFB75



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	17mm	90°	61mm	A

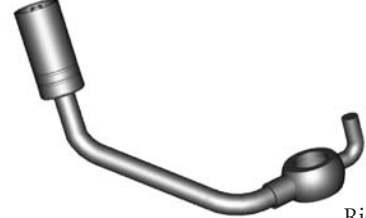
## HFB92



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	55°	90mm	A

## HFB93



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	55°	90mm	A

## HFB105



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	21mm	25°	113mm	US

## HFB106



Right

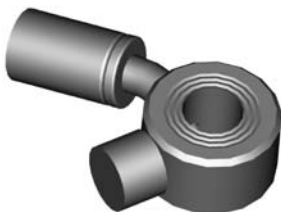
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	21mm	25°	113mm	US

## HFB157



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	70°	102mm	A

## HFB158



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	15mm	35mm	35°	57mm	US

## HFB159



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	15mm	35mm	35°	57mm	US

## HFB164



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	75°	64mm	A

A = Asian

EU = European

US = United States

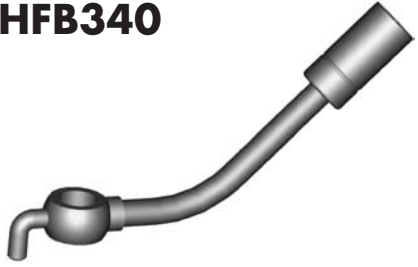
UNI = Universal

V = Various

# BANJO FITTINGS

ROUND STYLE - BENT

## HFB340



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	45°	100mm	A

## HFB341



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	75°	55mm	A

## HFB342



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	15°	60mm	A

Right

## HFB343



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	15°	60mm	A

Left

## HFB345



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	50°	45mm	A

Left

## HFB346



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	50°	45mm	A

Right

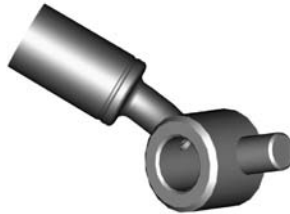
## HFB348



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	15mm	18mm	30°	50mm	A

Left

## HFB349



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	15mm	18mm	30°	50mm	A

Right

## HFB353



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	75°	60mm	A

Right

## HFB354



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	75°	60mm	A

Left

## HFB356



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	40°	60mm	A

Left

## HFB357



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	40°	60mm	A

Right

## HFB358



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	75°	45mm	A

Left

## HFB359



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	75°	45mm	A

Right

## HFB360



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	55°	65mm	A

Right

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

ROUND STYLE - BENT

## HFB361



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	55°	65mm	A

## HFB362



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	80°	45mm	A

## HFB363



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	80°	45mm	A

## HFB364



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	18mm	75°	50mm	A

## HFB372



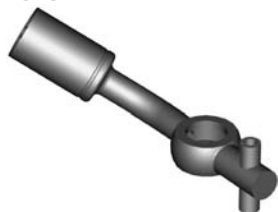
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	60°	45mm	A

## HFB373



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	18mm	55°	65mm	A

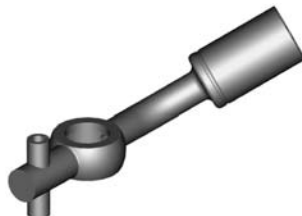
## HFB389



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	45°	75mm	A

## HFB390



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	45°	75mm	A

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

BLOCK STYLE

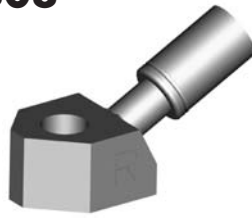
## HFB07



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	16mm	22mm	27°	59mm	A

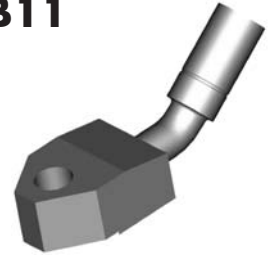
## HFB08



Left

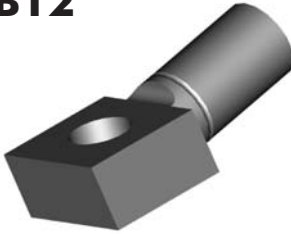
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	16mm	22mm	27°	59mm	A

## HFB11



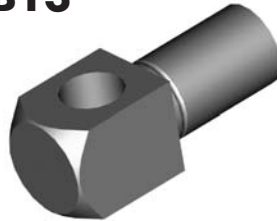
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	16mm	28mm	40°	92mm	A

## HFB12



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.5mm	20mm	10°	46mm	V

## HFB13



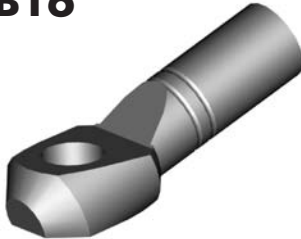
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	16mm	16mm	-	42mm	V

## HFB14



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	13mm	20mm	20°	55mm	US

## HFB16



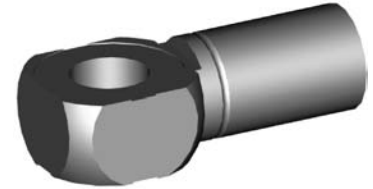
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10.4mm	19mm	20°	54mm	EU

## HFB38



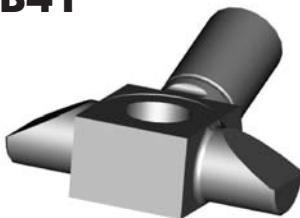
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
16mm	14mm	22.2mm	-	44mm	US

## HFB40



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.3mm	19mm	-	42mm	US

## HFB41



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14mm	48mm	20°	50mm	US

## HFB45



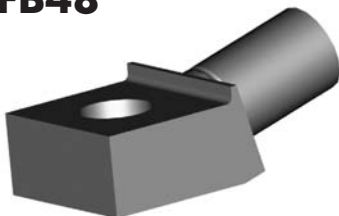
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	19.6mm	10°	47mm	US

## HFB46



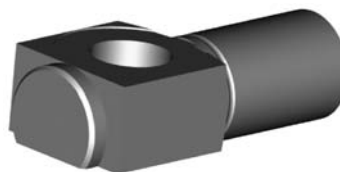
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	17.6mm	10°	44mm	US

## HFB48



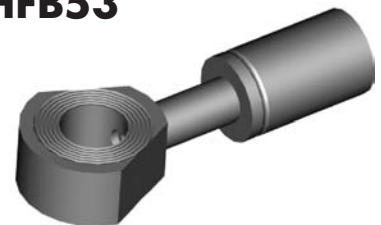
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	1/2"	25.5mm	15°	49mm	US

## HFB49



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.3mm	19mm	-	44mm	US

## HFB53



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	10mm	22mm	-	57mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various



# BANJO FITTINGS

## HFB54



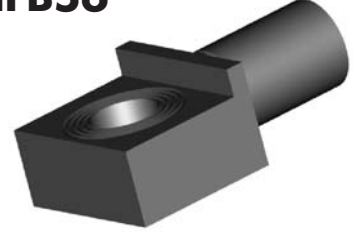
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	11mm	19mm		43mm	US

## HFB55



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	1/2"	25mm	-	47mm	US

## HFB56



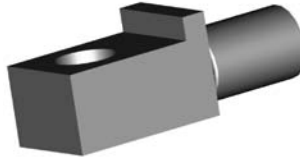
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.7mm	26mm		45mm	US

## HFB57



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.6mm	33mm	-	49mm	US

## HFB59



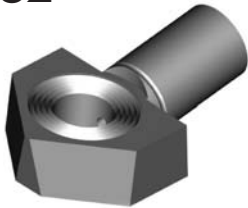
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.8mm	19.5mm	-	52mm	US

## HFB60



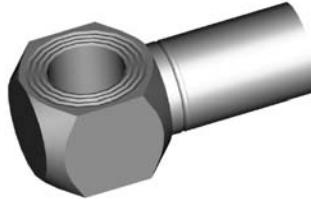
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	11.5mm	20mm	10°	46mm	V

## HFB62



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	28mm	10°	44mm	US

## HFB66



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.7mm	19mm	-	41mm	US

## HFB67



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	28mm	-	48mm	US

## HFB72



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	11mm	19mm	10°	42mm	US

## HFB81



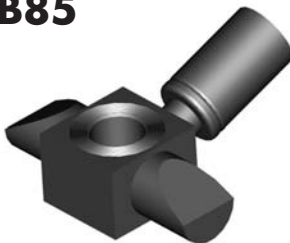
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	23mm	16mm	50°	46mm	A

## HFB84



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	11mm	19.8mm	25°	50mm	US

## HFB85



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	14.7mm	48mm	20°	50mm	US

## HFB91



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.4mm	20mm	-	42mm	US

## HFB100



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	17mm	-	51mm	EU

BLOCK STYLE

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

## HFB101



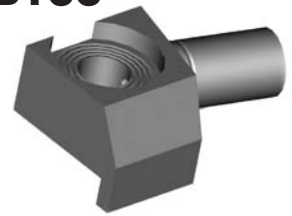
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
12mm	8mm	19mm	-	51mm	EU

## HFB112



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
8mm	14mm	17mm	35°	50mm	US

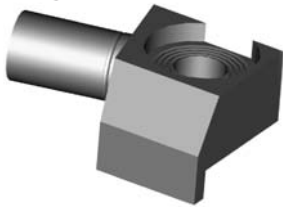
## HFB133



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	26mm	-	90mm	US

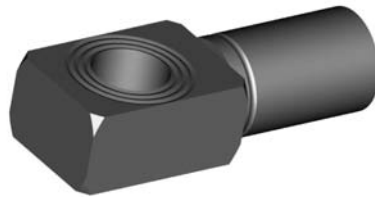
## HFB134



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	26mm	-	50mm	US

## HFB144



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.5mm	17mm		46mm	V

## HFB145



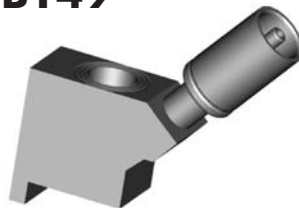
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
12mm	8mm	19mm	-	61mm	EU

## HFB146



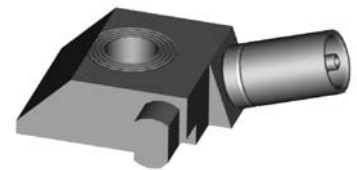
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
12mm	11.5mm	20mm	10°	50mm	EU

## HFB149



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	24mm	16mm	50°	55mm	A

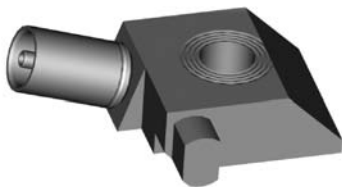
## HFB165



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.7mm	32.5mm	20°	65mm	US

## HFB166



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.7mm	32.5mm	20°	65mm	US

## HFB187



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	8mm	19mm		61mm	EU

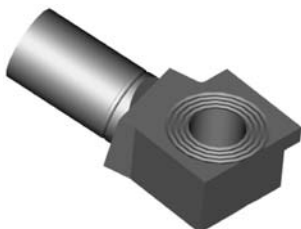
## HFB230



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	7/16"	22mm	10°	45mm	US

## HFB231



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	7/16"	22mm	10°	45mm	US

## HFB300



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.4mm	17mm	15°	50mm	A

## HFB384



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25.4mm		45mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

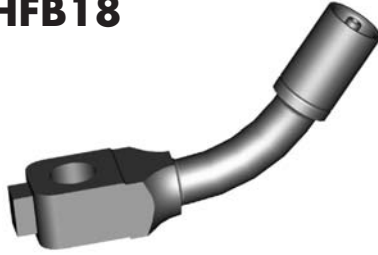
TUBE STYLE - EITHER SIDE

## HFB17



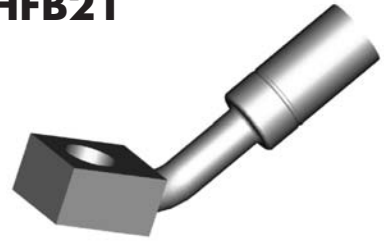
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.5mm	17mm	35°	78mm	V

## HFB18



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	13mm	18mm	50°	78mm	A

## HFB21



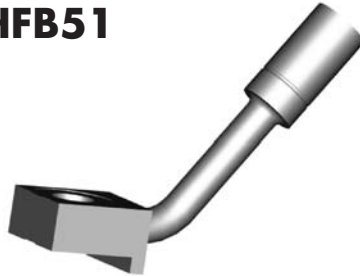
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.5mm	17mm	50°	72mm	V

## HFB39



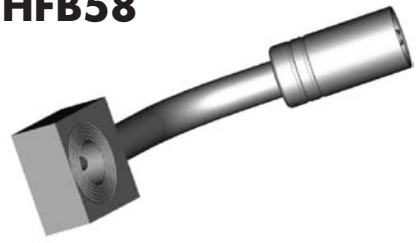
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	19.2mm	15°	104mm	US

## HFB51



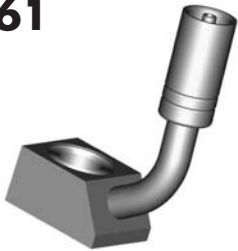
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	22.2mm	55°	75mm	US

## HFB58



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	7/16"	22.2mm	65°	80mm	US

## HFB61



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.6mm	22.2mm	105°	60mm	US

## HFB80



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	15mm	20mm	30°	110mm	US

## HFB90



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	7/16"	19mm	35°	75mm	US

## HFB98



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	25°	120mm	US

## HFB148



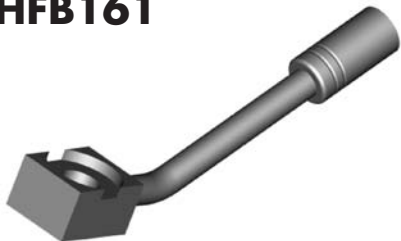
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	85°	131mm	US

## HFB160



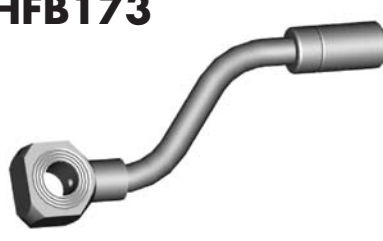
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	20mm	25°	127mm	US

## HFB161



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.5mm	20mm	30°	121mm	US

## HFB173



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12mm	22.2mm	50°	118mm	US

## HFB180



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	19.5mm	30°	65mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

TUBE STYLE - EITHER SIDE

UNIVERSAL

## HFB182



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm		165mm	US

## HFB188



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	12.5mm	40mm	90°	116mm	US

## HFB193



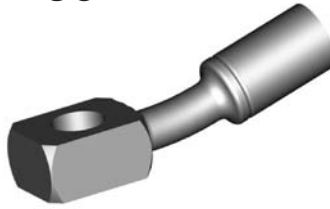
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	23mm	10°	110mm	US

## HFB203



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	11mm	25mm	35°	75mm	US

## HFB309



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.5mm	17mm	15°	62mm	V

## HFB310



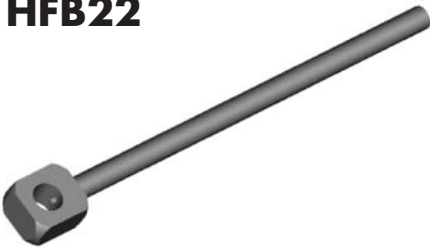
HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.5mm	19mm	10°	82mm	V

## HFB379



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
12mm	8.5mm	19mm	30°	60mm	EU

## HFB22



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.5mm	19mm	-	172mm	UNI

## HFB23



HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	1/2"	19mm	-	172mm	UNI

A = Asian

EU = European

US = United States

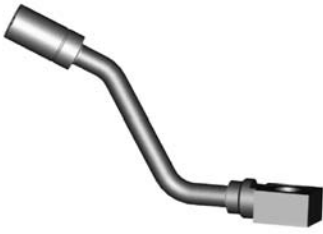
UNI = Universal

V = Various

# BANJO FITTINGS

TUBE STYLE - LEFT/RIGHT

## HFB42



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12mm	19.6mm	60°	130mm	US

## HFB43



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12mm	19.6mm	60°	130mm	US

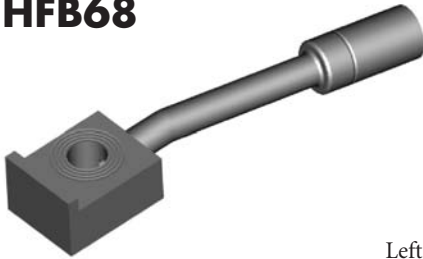
## HFB52



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	28.6mm	107°	145mm	US

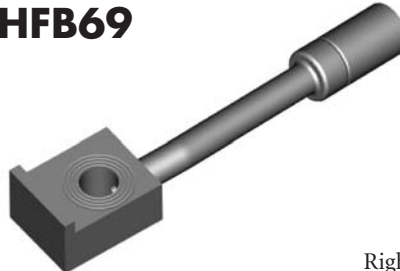
## HFB68



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.4mm	7°	110mm	US

## HFB69



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.4mm	7°	110mm	US

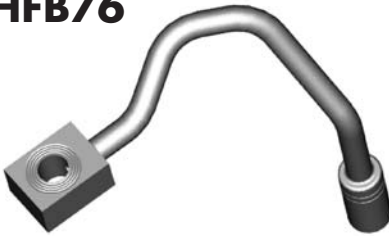
## HFB74



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	28.6mm	107°	145mm	US

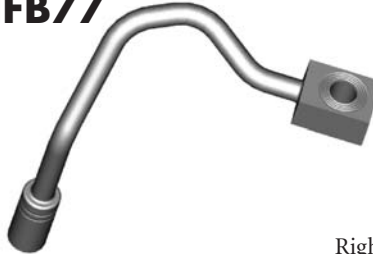
## HFB76



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	19.7mm	90°	143mm	US

## HFB77



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	19.7mm	90°	143mm	US

## HFB78



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	11mm	22.2mm	90°	133mm	US

## HFB79



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	11mm	22.2mm	90°	133mm	US

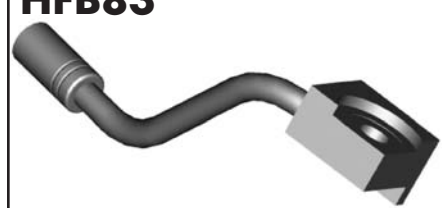
## HFB82



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	26mm	50°	147mm	US

## HFB83



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	26mm	50°	147mm	US

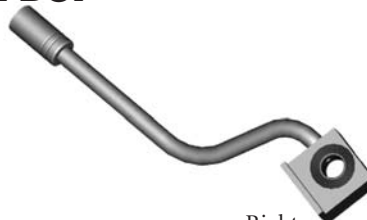
## HFB86



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.2mm	28.6mm	70°	175mm	US

## HFB87



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.2mm	28.6mm	70°	175mm	US

## HFB94



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	11.6mm	20mm	90°	110mm	US

A = Asian

EU = European

US = United States

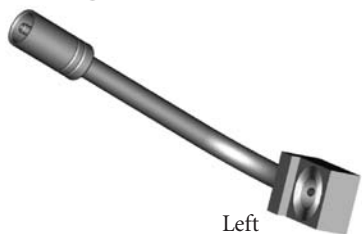
UNI = Universal

V = Various



# BANJO FITTINGS

## HFB95



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	11.6mm	20mm	90°	110mm	US

## HFB102



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	23mm	23°	140mm	US

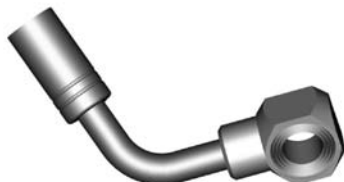
## HFB103



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	23mm	23°	140mm	US

## HFB107



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.6mm	20mm	75°	86mm	US

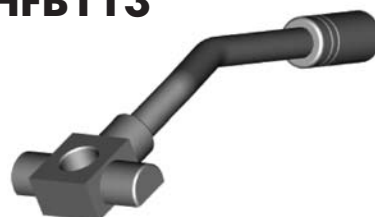
## HFB108



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.6mm	20mm	75°	86mm	US

## HFB113



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.8mm	42mm	30°	130mm	US

## HFB114



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.8mm	42mm	30°	130mm	US

## HFB115



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm	55°	112mm	US

## HFB116



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm	55°	112mm	US

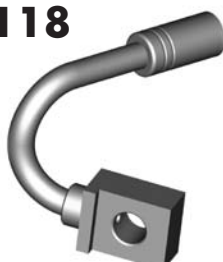
## HFB117



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12mm	20mm	90°	50mm	US

## HFB118



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12mm	20mm	90°	50mm	US

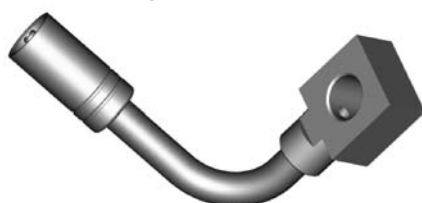
## HFB119



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12mm	20mm	90°	60mm	US

## HFB120



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12mm	20mm	90°	60mm	US

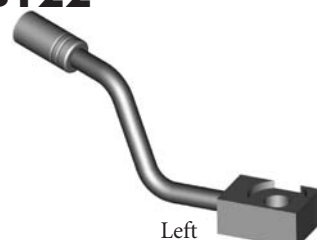
## HFB121



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12.7mm	22.2mm	65°	127mm	US

## HFB122



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	12.7mm	22.2mm	65°	127mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

TUBE STYLE - LEFT/RIGHT

## HFB123



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.8mm	22.2mm	85°	90mm	US

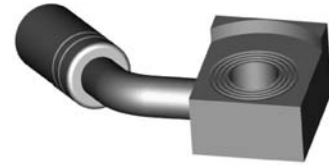
## HFB124



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.8mm	22.2mm	85°	90mm	US

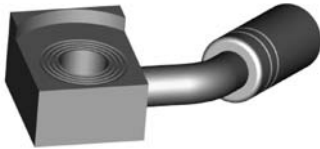
## HFB125



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	55°	64mm	US

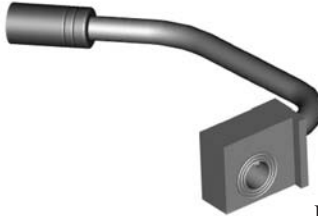
## HFB126



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	55°	64mm	US

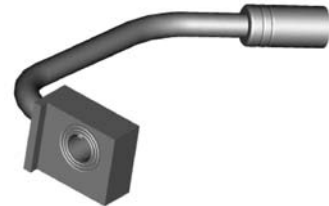
## HFB127



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	90°	136mm	US

## HFB128



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	90°	136mm	US

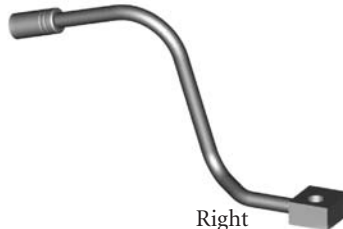
## HFB129



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	85°	185mm	US

## HFB130



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	85°	185mm	US

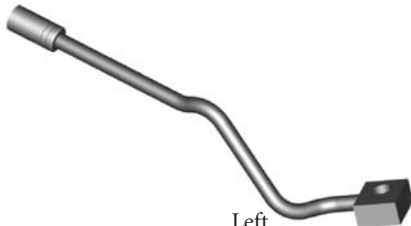
## HFB131



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	30°	148mm	US

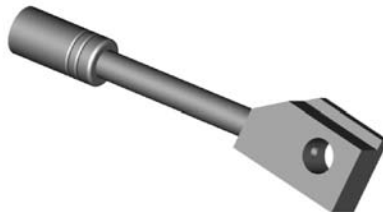
## HFB132



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	30°	148mm	US

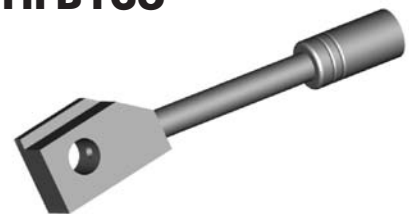
## HFB135



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	7/16"	22.2mm	10°	114mm	US

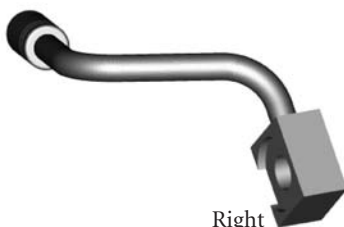
## HFB136



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	7/16"	22.2mm	10°	114mm	US

## HFB142



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.8mm	22.2mm	75°	99mm	US

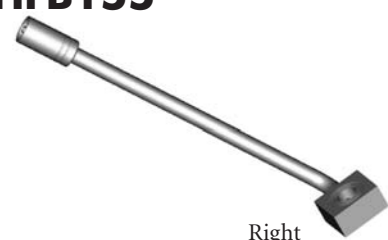
## HFB143



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.8mm	22.2mm	75°	99mm	US

## HFB155



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	70°	190mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

TUBE STYLE - LEFT/RIGHT

## HFB156



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	70°	190mm	US

## HFB174



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm	90°	70mm	US

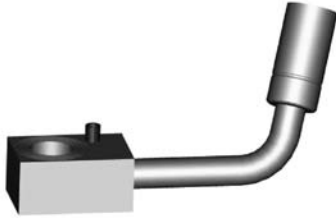
## HFB175



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm	90°	70mm	US

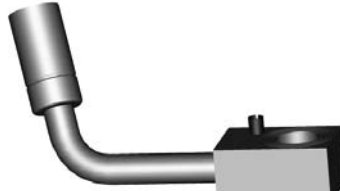
## HFB176



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.8mm	20.6mm	75°	70mm	US

## HFB177



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	14.8mm	20.6mm	75°	70mm	US

## HFB183



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.7mm	22.2mm	70°		US

## HFB184



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.7mm	22.2mm	70°		US

## HFB185



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	75°	180mm	US

## HFB186



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	25mm	75°	180mm	US

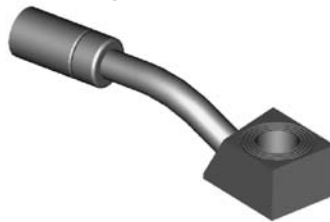
## HFB189



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	15mm	20mm	30°	90mm	US

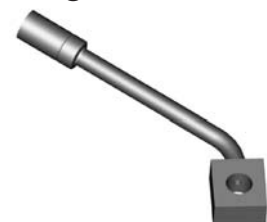
## HFB190



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	15mm	20mm	30°	90mm	US

## HFB201



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	1/2"	22.2mm	55°	125mm	US

## HFB202



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
7/16"	1/2"	22.2mm	55°	125mm	US

## HFB209



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	23mm	90°	180mm	US

## HFB210



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	23mm	90°	180mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

TUBE STYLE - LEFT/RIGHT

## HFB306



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	26mm	70°	134mm	US

## HFB307



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	26mm	70°	134mm	US

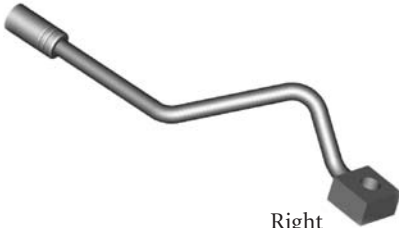
## HFB315



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm		195mm	US

## HFB316



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm		195mm	US

## HFB317



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm	65°	178mm	US

## HFB318



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	22.2mm	65°	178mm	US

## HFB321



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	24.4mm		105mm	US

## HFB322



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	24.4mm		105mm	US

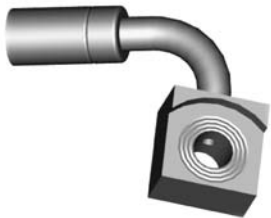
## HFB323



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	23mm	90°	63mm	US

## HFB324



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	1/2"	23mm	90°	63mm	US

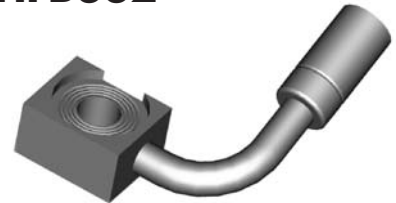
## HFB328



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	22mm	110°	75mm	A

## HFB332



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.7mm	22.2mm	90°	65mm	US

## HFB333



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11.7mm	22.2mm		95mm	US

## HFB329



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	22mm	110°	75mm	A

## HFB367



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	18mm	90°	60mm	A

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# BANJO FITTINGS

TUBE STYLE - LEFT/RIGHT

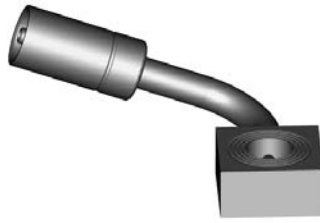
## HFB368



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	18mm	90°	60mm	A

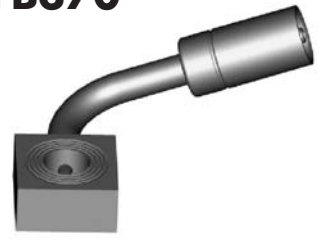
## HFB369



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	22mm	90°	60mm	A

## HFB370



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
10mm	11mm	22mm	90°	60mm	A

## HFB380



Left

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	7/16"	25.4mm	60°	165mm	US

## HFB381



Right

HOLE	THICK	WIDTH	ANGLE	OAL	FITS
3/8"	7/16"	25.4mm	60°	165mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various



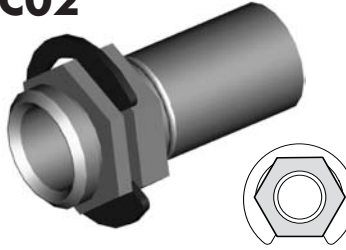
# CENTER SUPPORT FITTINGS

## HFC01



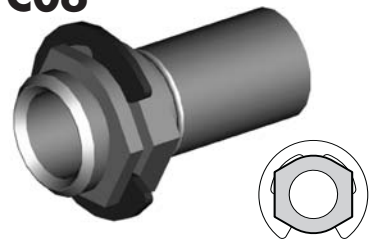
MATERIAL	WIDTH	OAL	FITS
Steel	17mm	33mm	A

## HFC02



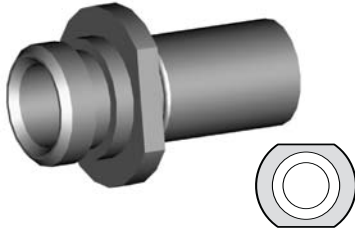
MATERIAL	WIDTH	OAL	FITS
Steel	17mm	34mm	A

## HFC06



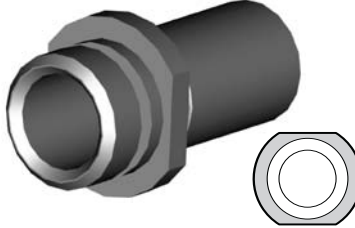
MATERIAL	WIDTH	OAL	FITS
Steel	17mm	34mm	A

## HFC07



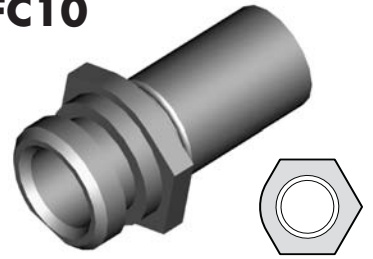
MATERIAL	WIDTH	OAL	FITS
Steel	19mm	35mm	A

## HFC09



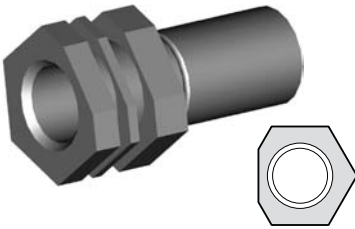
MATERIAL	WIDTH	OAL	FITS
Steel	17mm	34mm	A

## HFC10



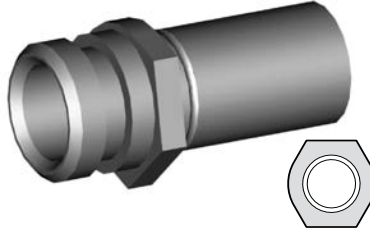
MATERIAL	WIDTH	OAL	FITS
Steel	19mm	35mm	A

## HFC11



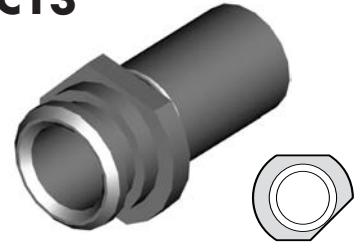
MATERIAL	WIDTH	OAL	FITS
Steel	19mm	37mm	A

## HFC12



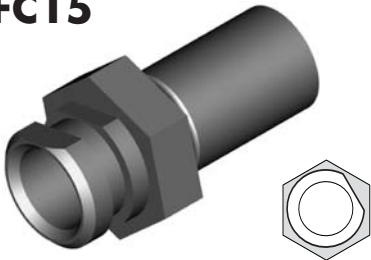
MATERIAL	WIDTH	OAL	FITS
Steel	17mm	35mm	A

## HFC13



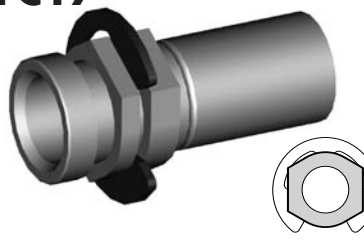
MATERIAL	WIDTH	OAL	FITS
Steel	17mm	33mm	A

## HFC15



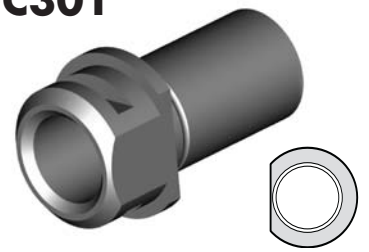
MATERIAL	WIDTH	OAL	FITS
Steel	19mm	37mm	A

## HFC17



MATERIAL	WIDTH	OAL	FITS
Steel	16mm	37mm	US

## HFC301



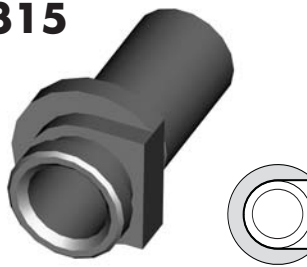
MATERIAL	WIDTH	OAL	FITS
Steel	20mm	33mm	EU

## HFC307



MATERIAL	WIDTH	OAL	FITS
Steel	19mm	36mm	US

## HFC315



MATERIAL	WIDTH	OAL	FITS
Steel	22mm	34mm	A

CLIP MOUNT

# CENTER SUPPORT FITTINGS

BRACKET MOUNT

## HFC04



MATERIAL	WIDTH	OAL	FITS
Steel	39mm	30mm	A

## HFC05



MATERIAL	WIDTH	OAL	FITS
Steel	20mm	30mm	A

## HFC14



MATERIAL	WIDTH	OAL	FITS
Steel	33mm	80mm	US

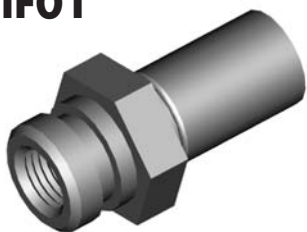
## HFC316



MATERIAL	WIDTH	OAL	FITS
Steel	22mm	36mm	A

# IMPERIAL FEMALE FITTINGS

## HFIF01



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	19mm	38mm	V

## HFIF01B



Brass

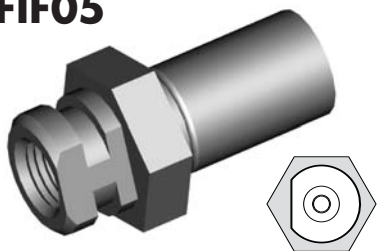
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	17mm	38mm	V

## HFIF02



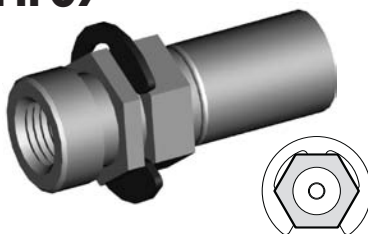
THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Clip	19mm	38mm	V

## HFIF05



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	19mm	38mm	V

## HFIF07



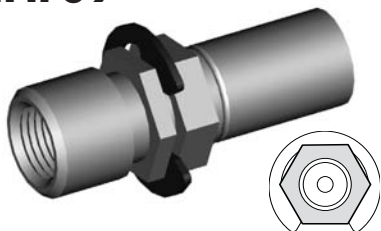
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	41mm	US

## HFIF08



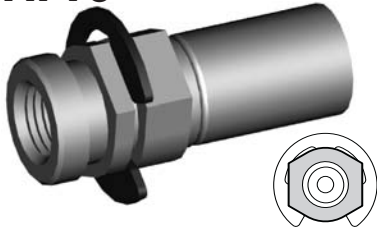
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	41mm	US

## HFIF09



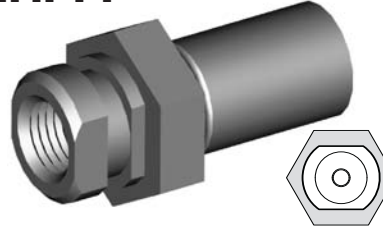
THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Clip	16mm	45mm	US

## HFIF10



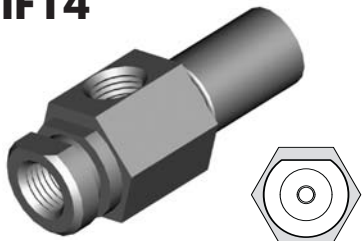
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	39mm	US

## HFIF11



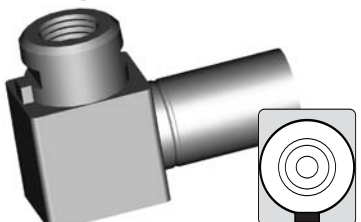
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	19mm	38mm	V

## HFIF14



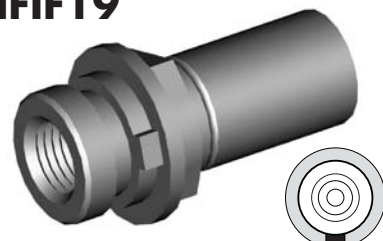
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Clip	19mm	50mm	US

## HFIF18



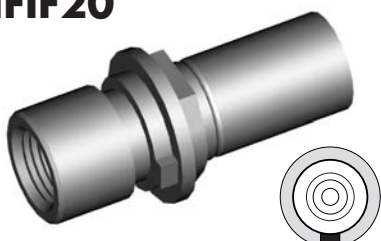
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip		41mm	US

## HFIF19



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	38mm	US

## HFIF20



THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Clip	16mm	44mm	US

## HFIF21



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	DPS	Clip	16mm	37mm	US

## HFIF24



THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Clip	16mm	40mm	US

CLIP MOUNT

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# IMPERIAL FEMALE FITTINGS

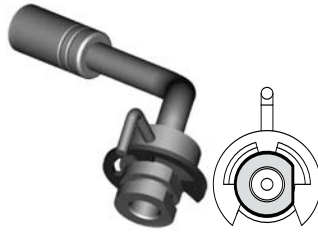
CLIP MOUNT

## HFIF26



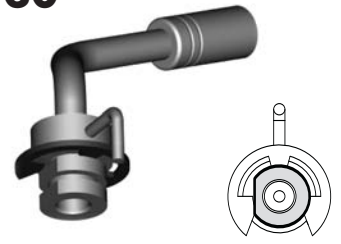
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	40mm	US

## HFIF29



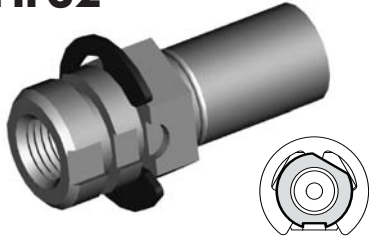
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip		78mm	US

## HFIF30



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip		78mm	US

## HFIF32



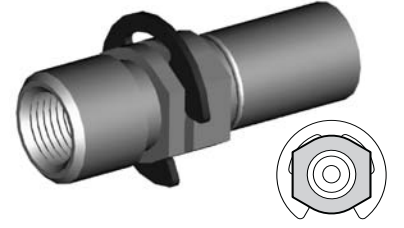
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	17mm	41mm	US

## HFIF33



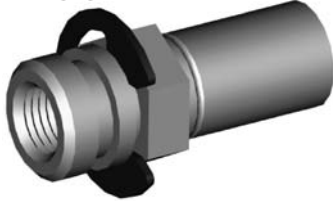
THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Clip	17mm	41mm	US

## HFIF35



THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Clip	16mm	46mm	US

## HFIF36



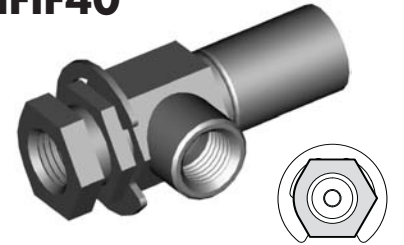
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	39mm	US

## HFIF38



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	17mm	40mm	US

## HFIF40



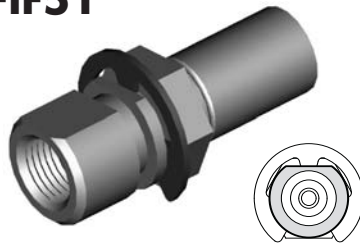
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Clip	16mm	48mm	US

## HFIF45



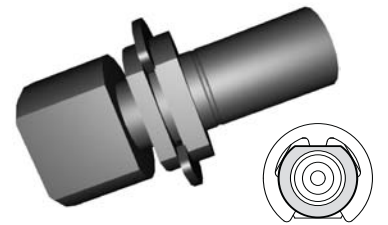
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	39mm	US

## HFIF51



THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Clip	17mm	46mm	US

## HFIF63



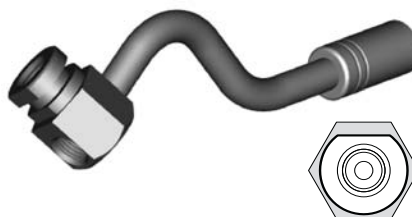
THREAD	SEAT	MOUNT	HEX	OAL	FITS
1/2NF	Inverted	Clip		47mm	US

## HFIF64



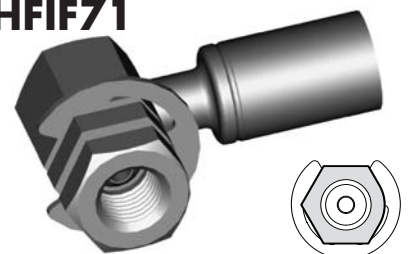
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Clip	19mm	137mm	US

## HFIF65



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Clip	19mm	137mm	US

## HFIF71



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	45mm	US

A = Asian

EU = European

US = United States

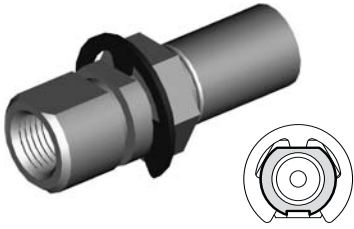
UNI = Universal

V = Various

# IMPERIAL FEMALE FITTINGS

CLIP MOUNT

## HFIF72



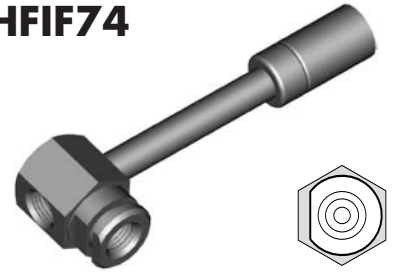
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	17mm	47mm	US

## HFIF73



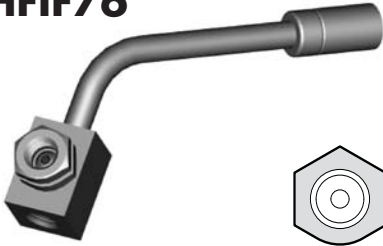
THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Clip	17mm	47mm	US

## HFIF74



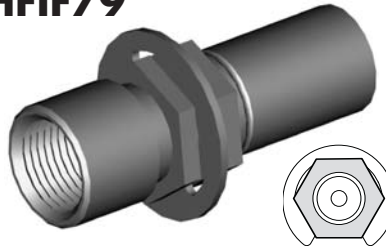
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Clip	19mm	92mm	US

## HFIF76



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Clip	16mm	90mm	US

## HFIF79



THREAD	SEAT	MOUNT	HEX	OAL	FITS
1/2NF	Inverted	Clip	16mm	45mm	US

## HFIF82



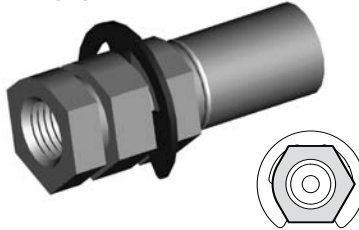
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip		40mm	US

## HFIF83



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	55mm	US

## HFIF301



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Clip	16mm	43mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various



# IMPERIAL FEMALE FITTINGS

BOLT ON MOUNT

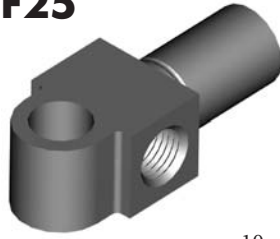
## HFIF23



12mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	12mm	65mm	US

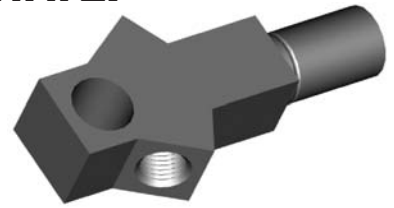
## HFIF25



10mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	10mm	49mm	US

## HFIF27



11.8mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	11.8mm	70mm	US

## HFIF28



11.8mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF-7/16NS	Inverted	Bolted	11.8mm	52mm	US

## HFIF31



12mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF-7/16NS	Inverted	Bolted	12mm	52mm	US

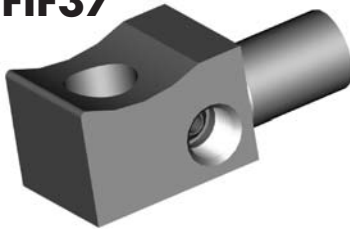
## HFIF34



8/10mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	8/10mm	49mm	US

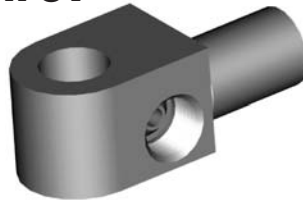
## HFIF37



12mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	12mm	53mm	US

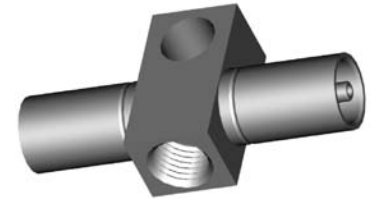
## HFIF39



11.8mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF-7/16NS	Inverted	Bolted	11.8mm	52mm	US

## HFIF46



10mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
7/16NS	Inverted	Bolted	10mm	60mm	US

## HFIF47



12mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	12mm	50mm	US

## HFIF48



11.5mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF-7/16NS	Inverted	Bolted	11.5mm	53mm	US

## HFIF53



11.8mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	11.8mm	53mm	US

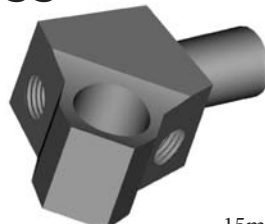
## HFIF54



12mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
7/16NS	Inverted	Bolted	12mm	51mm	US

## HFIF55



15mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	15mm	58mm	US

## HFIF56



11.8mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	11.8	55mm	US

A = Asian

EU = European

US = United States

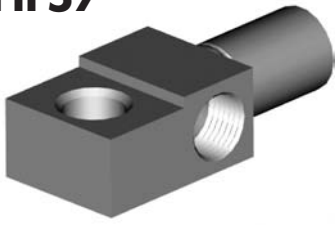
UNI = Universal

V = Various

# IMPERIAL FEMALE FITTINGS

BOLT ON MOUNT

## HFIF57



8/10mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
7/16NS x 2	Inverted	Bolted	8/10mm	54mm	US

## HFIF58



11.5mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	11.5mm	50mm	US

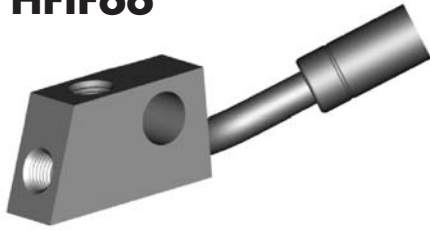
## HFIF59



12mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	12mm	100mm	US

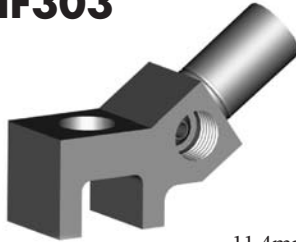
## HFIF66



12mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF x 2	Inverted	Bolted	12mm	93mm	US

## HFIF303

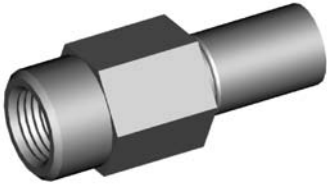


11.4mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
3/8NF-7/16NS	Inverted	Bolted	7/16"	70mm	US

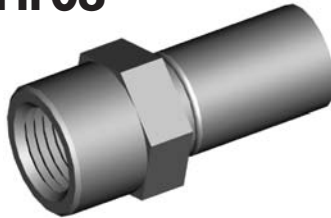
NO MOUNT

## HFIF03



THREAD	SEAT	MOUNT	HEX	OAL	FITS
1/2NF	DPS		19mm	50mm	US

## HFIF06



THREAD	SEAT	MOUNT	HEX	OAL	FITS
1/2NF	Inverted		17mm	38mm	UNI

A = Asian

EU = European

US = United States

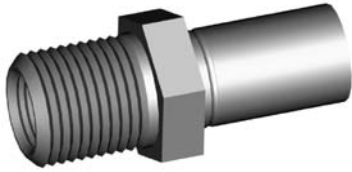
UNI = Universal

V = Various

# IMPERIAL FEMALE FITTINGS

BULKHEAD MOUNT

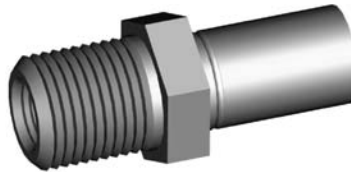
## HFIFX01



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Bulkhead	19mm	45mm	V

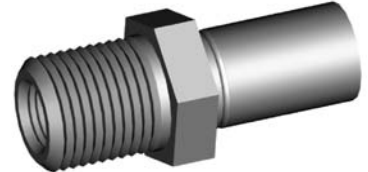
## HFIFX02



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bulkhead	19mm	45mm	V

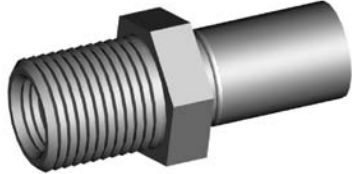
## HFIFX03



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8BSF	Inverted	Bulkhead	19mm	45mm	V

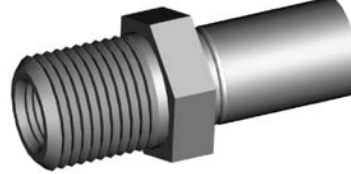
## HFIFX04



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NF	Inverted	Bulkhead	19mm	45mm	V

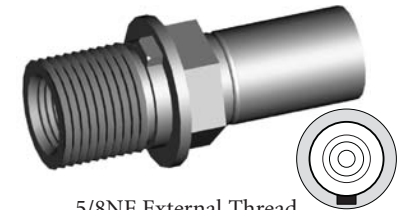
## HFIFX05



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	DPS	Bulkhead	19mm	45mm	V

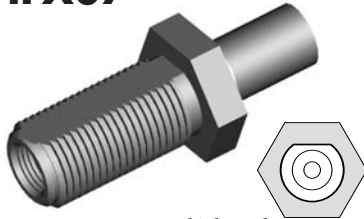
## HFIFX06



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Bulkhead	16mm	46mm	US

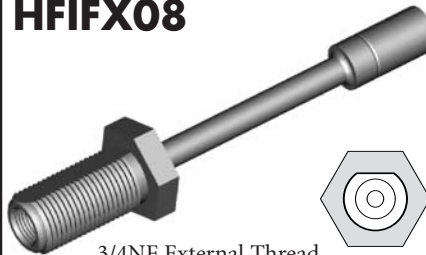
## HFIFX07



3/4NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Bulkhead	25mm	65mm	US

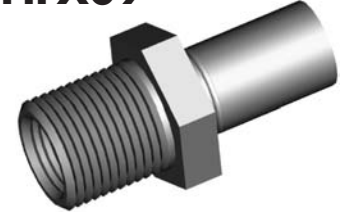
## HFIFX08



3/4NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Bulkhead	25mm	135mm	US

## HFIFX09



11/16NS External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
1/2NF	Inverted	Bulkhead	22mm	46mm	US

## HFIFX10



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bulkhead	22mm	117mm	US

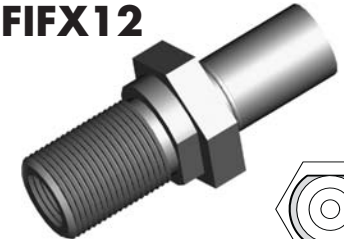
## HFIFX11



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bulkhead	19mm	48mm	US

## HFIFX12



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Bulkhead	22mm	54mm	US

## HFIFX14



3/4NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bulkhead	22mm	45mm	US

## HFIFX15



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bulkhead	16mm	47mm	US

## HFIFX16



3/4NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Bulkhead	22mm	45mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# IMPERIAL FEMALE FITTINGS

BULKHEAD MOUNT

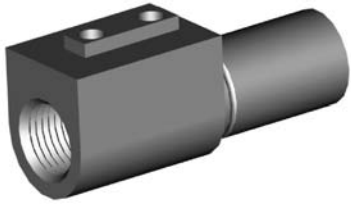
## HFIF69



7/8" x 18NS External Thread

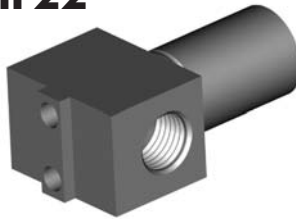
THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS x 2	Inverted	Bulkhead	25mm	80mm	US

## HFIF15



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bracket		46mm	US

## HFIF22



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Bracket		41mm	US

## HFIF41



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bracket		50mm	US

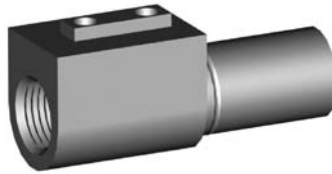
BRACKET MOUNT

## HFIF42



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bracket		50mm	US

## HFIF52



THREAD	SEAT	MOUNT	HEX	OAL	FITS
7/16NS	Inverted	Bracket		46mm	US

## HFIF60



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Bracket		102mm	US

## HFIF70



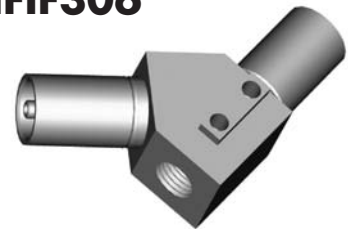
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Bracket		48mm	US

## HFIF304



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Bracket		51mm	US

## HFIF306



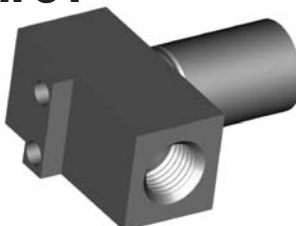
THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bracket		58mm	US

## HFIF44



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF x 2	Inverted	Bracket		50mm	US

## HFIF81



THREAD	SEAT	MOUNT	HEX	OAL	FITS
3/8NF	Inverted	Bracket		38mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

# IMPERIAL MALE FITTINGS

STANDARD MOUNT

## HFIM01



THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	12.5mm	16mm	40mm	V

## HFIM01B



Brass

THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	12.5mm	14mm	40mm	V

## HFIM03



THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NF	12mm	16mm	40mm	V

## HFIM04



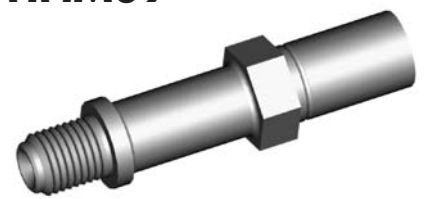
THREAD	THREAD LENGTH	HEX	OAL	FITS
11/16NF	20mm	19mm	50mm	V

## HFIM08



THREAD	THREAD LENGTH	HEX	OAL	FITS
1/2NF	15.5mm	17mm	43mm	V

## HFIM09



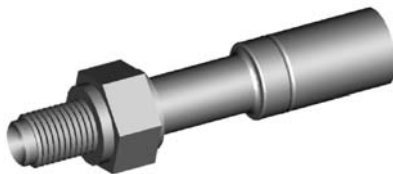
THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NF	13.5mm	16mm	69mm	US

## HFIM10



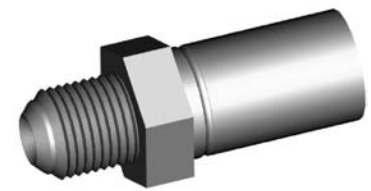
THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	12.5mm	16mm	44mm	V

## HFIM11



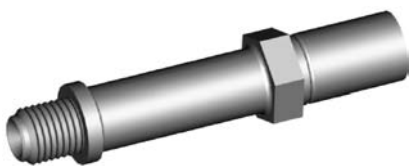
THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	13mm	16mm	68mm	V

## HFIM13



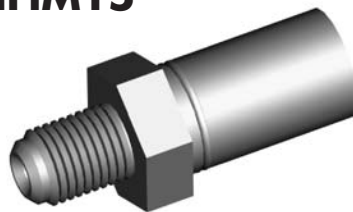
THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NS	12mm	16mm	40mm	V

## HFIM14



THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NS	12mm	16mm	78mm	US

## HFIM15



THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8BSF	12.5mm	16mm	40mm	EU

## HFIM16



THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NF	13mm	17mm	61mm	US

## HFIM18



THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	12mm	16mm	53mm	US

## HFIM19



THREAD	THREAD LENGTH	HEX	OAL	FITS
1/8NPT	12mm	14mm	40mm	V

## HFIM21



THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	12.5mm	16mm	53mm	V

A = Asian

EU = European

US = United States

UNI = Universal

V = Various



# IMPERIAL MALE FITTINGS

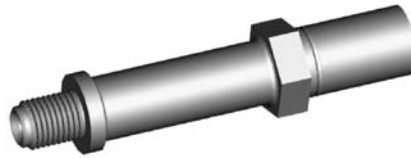
STANDARD MOUNT

## HFIM24



THREAD	THREAD LENGTH	HEX	OAL	FITS
1/2NF	12mm	16mm	44mm	US

## HFIM25



THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	12mm	16mm	78mm	US

## HFIM26



THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NS	13.5mm	16mm	78mm	US

## HFIM27



THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NF	13mm	16mm	63mm	US

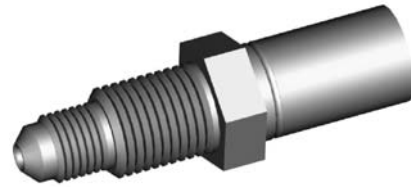
BULKHEAD MOUNT

## HFIM02



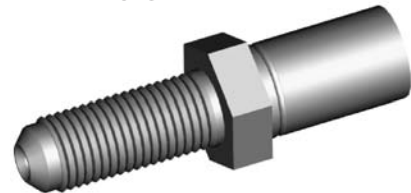
THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	24mm	16mm	52mm	V

## HFIM05



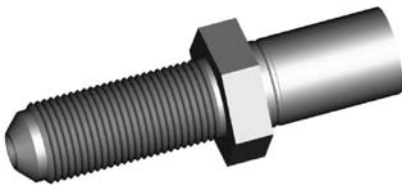
THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF-1/2NF	26.5mm	16mm	55mm	EU

## HFIM06



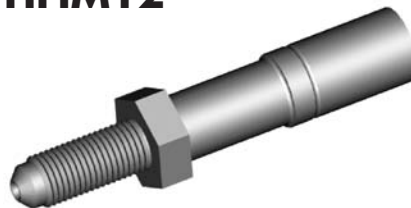
THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NF	28.5mm	17mm	56mm	V

## HFIM07



THREAD	THREAD LENGTH	HEX	OAL	FITS
1/2NF	32mm	19mm	60mm	V

## HFIM12



THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	24mm	16mm	75mm	EU

CLIP MOUNT

## HFIM17



THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	12mm	16mm	49mm	US

## HFIM22



THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NF	13mm	16mm	51mm	US

A = Asian

EU = European

US = United States

UNI = Universal

V = Various



# IMPERIAL MALE FITTINGS

HOSE JOINER

## HFIM28



No. 3 JIC

THREAD	THREAD LENGTH	HEX	OAL	FITS
3/8NF	14mm	14mm	42mm	UNI

## HFIM29



No. 4 JIC

THREAD	THREAD LENGTH	HEX	OAL	FITS
7/16NF	15mm	14mm	43mm	UNI

A = Asian

EU = European

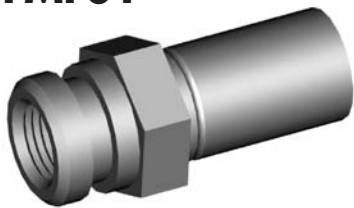
US = United States

UNI = Universal

V = Various

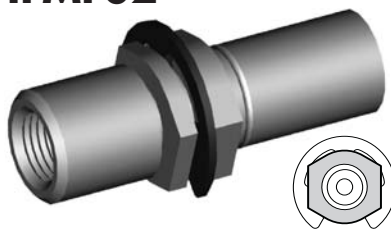
# METRIC FEMALE FITTINGS

## HFMF01



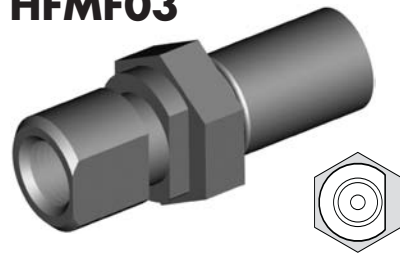
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	38mm	V

## HFMF02



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	47mm	A

## HFMF03



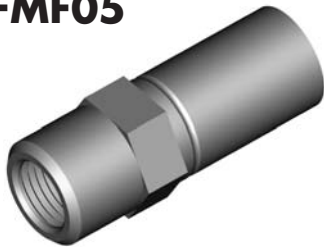
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	19mm	46mm	A

## HFMF04



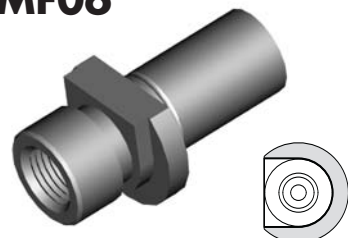
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	38mm	A

## HFMF05



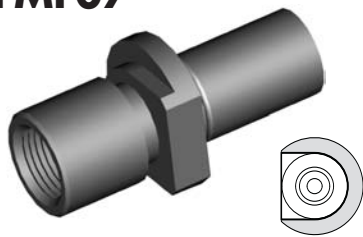
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	14mm	38mm	EU

## HFMF06



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip		39mm	A

## HFMF07



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1	Inverted	Clip		45mm	A

## HFMF08



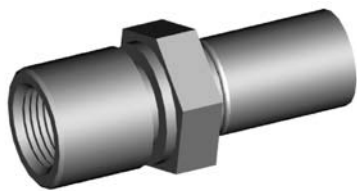
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	41mm	V

## HFMF09



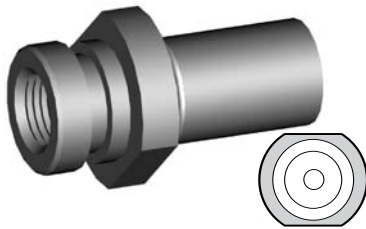
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1.25	Inverted	Clip	17mm	37mm	V

## HFMF10



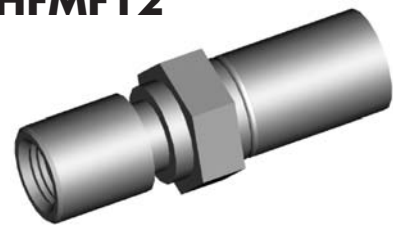
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1	Inverted	Clip	19mm	46mm	A

## HFMF11



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	19mm	37mm	A

## HFMF12



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M9 x 1	Inverted	Clip	16mm	47mm	A

## HFMF13



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip		38mm	A

## HFMF14



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	45mm	A

## HFMF15



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	77mm	A

CLIP MOUNT

A = Asian

EU = European

US = United States

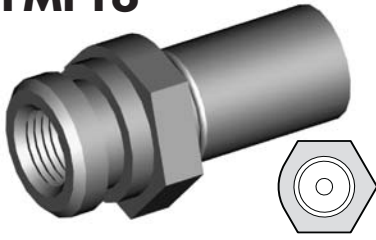
UNI = Universal

V = Various

# METRIC FEMALE FITTINGS

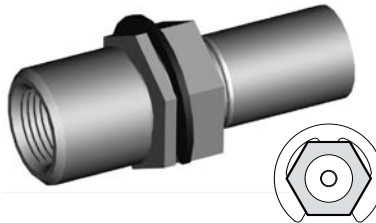
CLIP MOUNT

## HFMF16



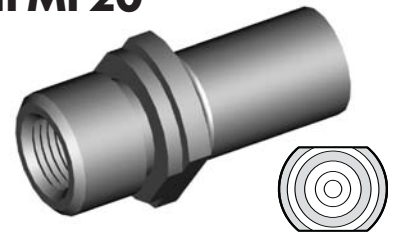
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	19mm	37mm	V

## HFMF19



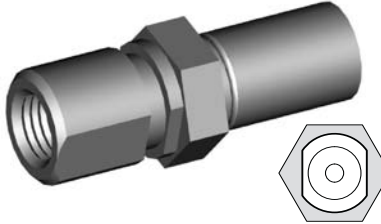
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1	Inverted	Clip	19mm	47mm	A

## HFMF20



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	38mm	A

## HFMF21



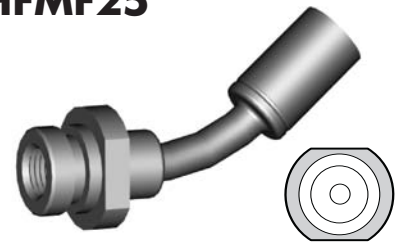
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1.25	DPS	Clip	17mm	47mm	EU

## HFMF24



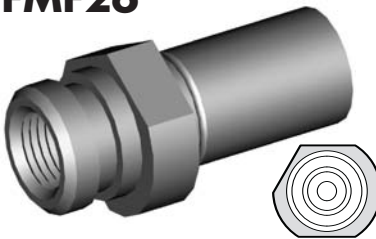
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	19mm	38mm	V

## HFMF25



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	19mm	70mm	A

## HFMF26



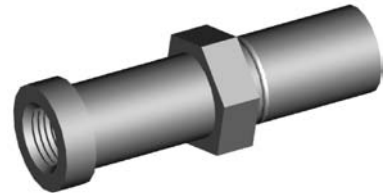
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	38mm	A

## HFMF28



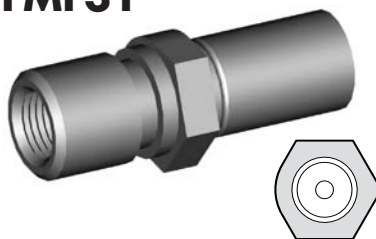
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	37mm	V

## HFMF29



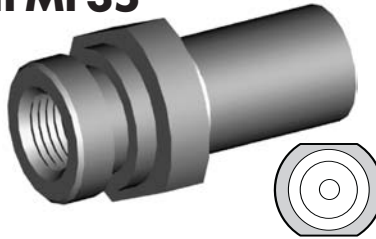
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted		17mm	54mm	A

## HFMF31



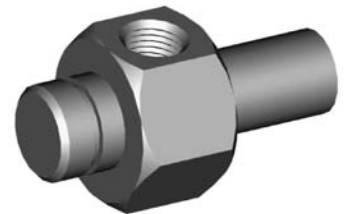
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	45mm	V

## HFMF35



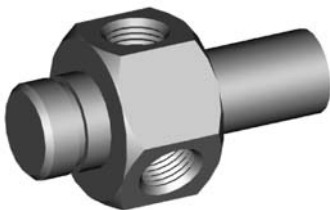
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	19mm	37mm	A

## HFMF36



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10x1-(2)	Inverted	Clip	26mm	50mm	A

## HFMF37



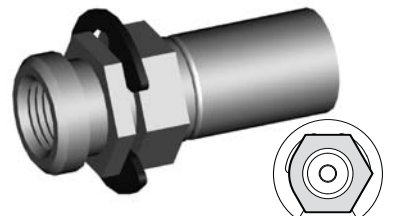
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10x1-(2)	Inverted	Clip	26mm	50mm	A

## HFMF38



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	16mm	37mm	US

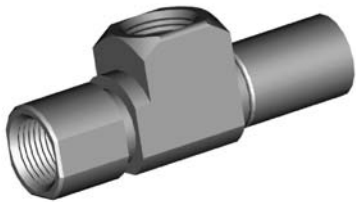
## HFMF39



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	16mm	39mm	US

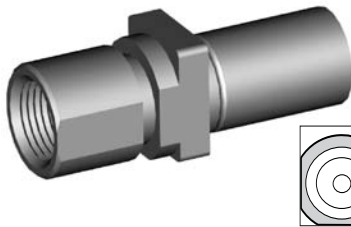
# METRIC FEMALE FITTINGS

## HFMF42



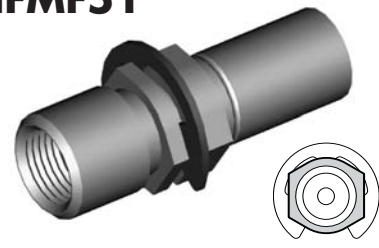
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1	Inverted	Clip		57mm	US

## HFMF43



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1	Inverted	Clip		45mm	US

## HFMF51



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1	DPS	Clip	16mm	47mm	US

## HFMF54



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	15.5mm	37mm	EU

## HFMF55



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	19mm	46mm	V

## HFMF56



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1.25	DPS	Clip	14mm	45mm	EU

## HFMF57



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1.25	DPS	Clip	19mm	46mm	EU

## HFMF58



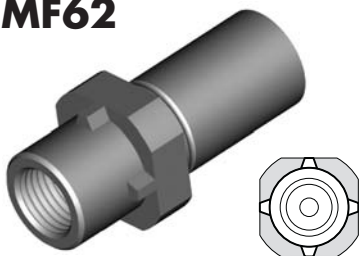
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	54mm	V

## HFMF59



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	38mm	EU

## HFMF62



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	39mm	EU

## HFMF63



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	39mm	EU

## HFMF65



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	39mm	A

## HFMF66



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip		36mm	US

## HFMF67



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	16mm	46mm	US

## HFMF68



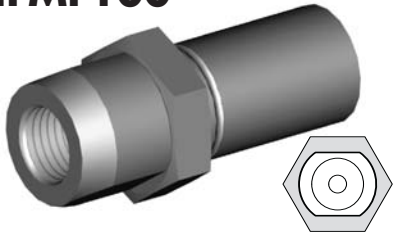
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	16mm	37mm	US

CLIP MOUNT

# METRIC FEMALE FITTINGS

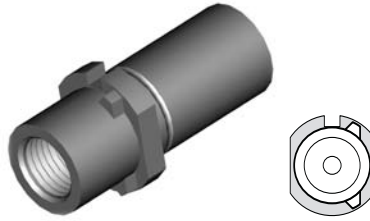
CLIP MOUNT

## HFMF100



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	39mm	EU

## HFMF305



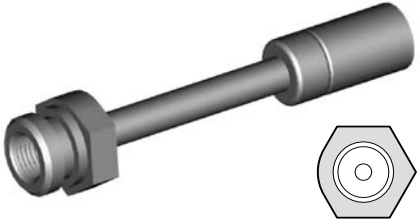
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	15mm	37mm	EU

## HFMF307



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	46mm	A

## HFMF308



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	19mm	89mm	A

## HFMF315



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	36mm	A

## HFMF316



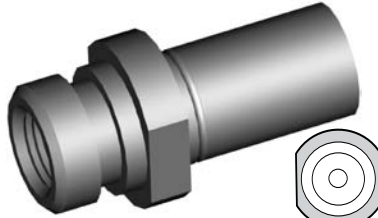
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	36mm	A

## HFMF327



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip		39mm	A

## HFMF329



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	17mm	38mm	A

## HFMF333



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Clip	17mm	41mm	A

## HFMF340



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Clip	15mm	37mm	EU

A = Asian

EU = European

US = United States

UNI = Universal

V = Various



# METRIC FEMALE FITTINGS

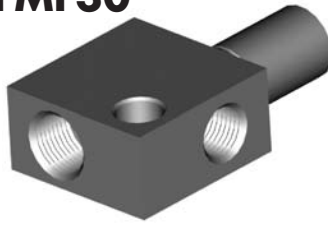
## HFMF18



8.5mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
M10x1-(2)	Inverted	Bolted	8.5mm	55mm	A

## HFMF30



8.5mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
M12x1-10xl	Inverted	Bolted	8.5mm	54mm	A

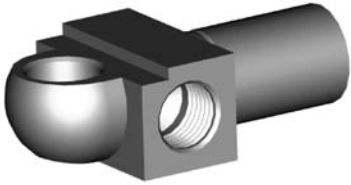
## HFMF48



8.75mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
M10 x 1	Inverted	Bolted	8.75mm	53mm	A

## HFMF50



8/10mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
M10x1-(2)	DPS	Bolted	8/10mm	48mm	US

## HFMF69



6.4mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
M10 x 1	Inverted	Bolted	6.4mm	62mm	A

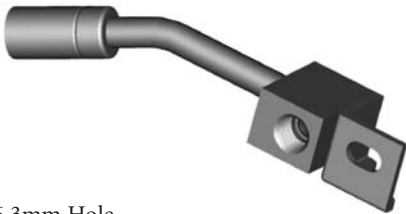
## HFMF322



M8 x 1.25

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
M10 x 1	Inverted	Bolted	M8 x 1.25	42mm	A

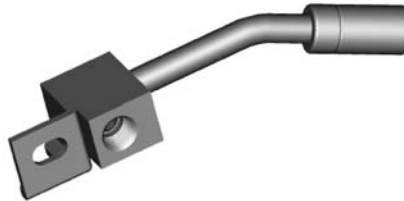
## HFMF342



6.3mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
M10 x 1	Inverted	Bolted	6.3mm	100mm	A

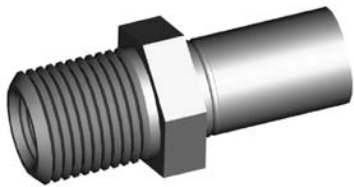
## HFMF343



6.3mm Hole

THREAD	SEAT	MOUNT	HOLE	OAL	FITS
M10 x 1	Inverted	Bolted	6.3mm	100mm	A

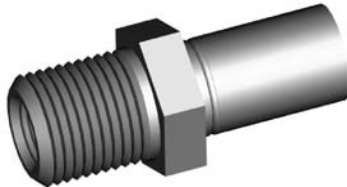
## HFMFX01



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Bulkhead	19mm	45mm	V

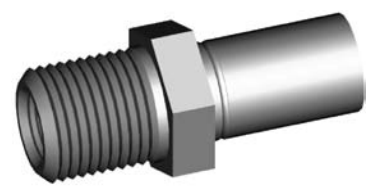
## HFMFX02



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10x1.25	Inverted	Bulkhead	19mm	45mm	V

## HFMFX04



5/8NF External Thread

THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Bulkhead	19mm	45mm	V

BOLT ON MOUNT

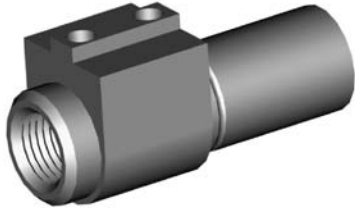
BULKHEAD MOUNT



# METRIC FEMALE FITTINGS

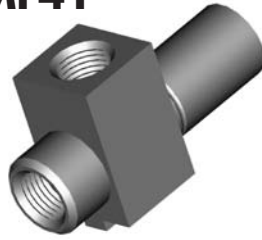
BRACKET MOUNT

## HFMF40



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Bracket		42mm	US

## HFMF41



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10x1-(2)	DPS	Bracket		44mm	US

## HFMF311



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1	DPS	Bracket		55mm	US

## HFMF312



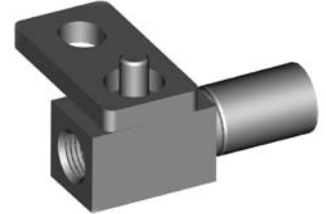
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Bracket		55mm	US

## HFMF313



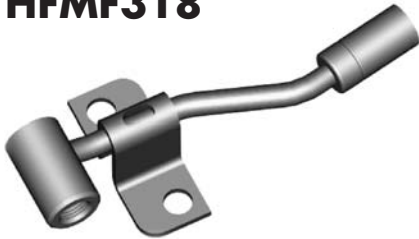
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M12 x 1	DPS	Bracket		48mm	US

## HFMF317



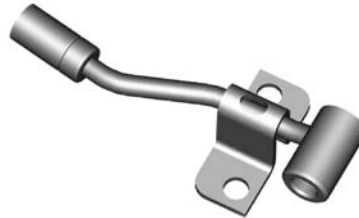
THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Bracket		48mm	A

## HFMF318



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Bracket		115mm	A

## HFMF319



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Bracket		115mm	A

## HFMF320



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Bracket		38mm	A

## HFMF324



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Bracket		46mm	A

## HFMF325

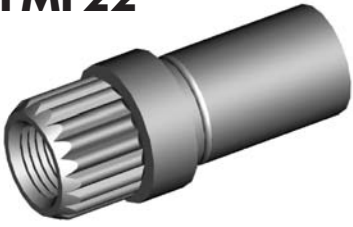


THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	Inverted	Bracket		45mm	A

# METRIC FEMALE FITTINGS

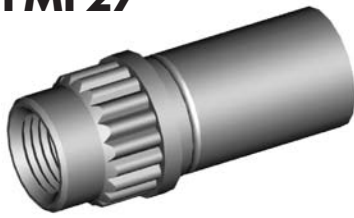
SPLINE MOUNT

## HFMF22



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Spline		39mm	EU

## HFMF27



THREAD	SEAT	MOUNT	HEX	OAL	FITS
M10 x 1	DPS	Spline		36mm	EU

A = Asian

EU = European

US = United States

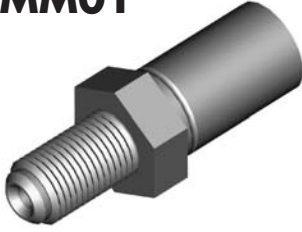
UNI = Universal

V = Various

# METRIC MALE FITTINGS

STANDARD MOUNT

## HFMM01



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	17mm	16mm	45mm	A

## HFMM03



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	14mm	14mm	43mm	V

## HFMM04



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1.25	13mm	16mm	41mm	A

## HFMM05



THREAD	THREAD LENGTH	HEX	OAL	FITS
M12 x 1	18mm	17mm	47mm	A

## HFMM06



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	13mm	16mm	41mm	A

## HFMM08



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	17mm	17mm	78mm	A

## HFMM13



THREAD	THREAD LENGTH	HEX	OAL	FITS
M12 x 1	19mm	16mm	77mm	US

## HFMM15



THREAD	THREAD LENGTH	HEX	OAL	FITS
M14 x 1.5	23.5mm	16mm	77mm	US

## HFMM17



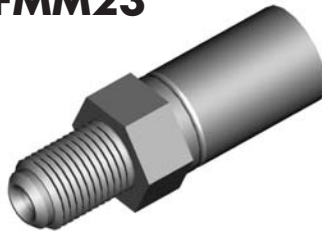
THREAD	THREAD LENGTH	HEX	OAL	FITS
M12 x 1.25	17mm	17mm	45mm	EU

## HFMM22



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	33mm	14mm	62mm	EU

## HFMM23



Left Hand Thread

THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	14mm	14mm	43mm	EU

## HFMM24



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1.5	13mm	16mm	41mm	EU

A = Asian

EU = European

US = United States

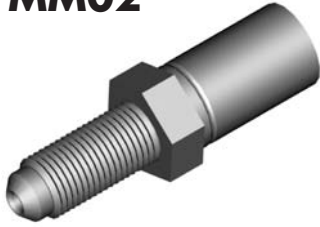
UNI = Universal

V = Various

# METRIC MALE FITTINGS

BULKHEAD MOUNT

## HFMM02



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	23mm	15mm	51mm	V

## HFMM09



THREAD	THREAD LENGTH	HEX	OAL	FITS
M12 x 1	28mm	17mm	56mm	A

## HFMM10



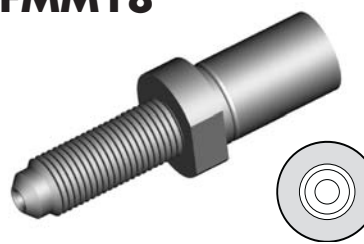
THREAD	THREAD LENGTH	HEX	OAL	FITS
M12 x 1.5	33mm	17mm	61mm	A

## HFMM11



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1.25	15mm	14mm	43mm	EU

## HFMM18



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	28mm		56mm	EU

## HFMM20



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	24mm	14mm	81mm	EU

## HFMM21



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1.25	24mm	14mm	76mm	EU

CLIP MOUNT

## HFMM12



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	15mm	17mm	50mm	V

## HFMM302



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	14.5mm	17mm	49mm	EU

## HFMM303



THREAD	THREAD LENGTH	HEX	OAL	FITS
M10 x 1	16mm	17mm	52mm	EU

A = Asian

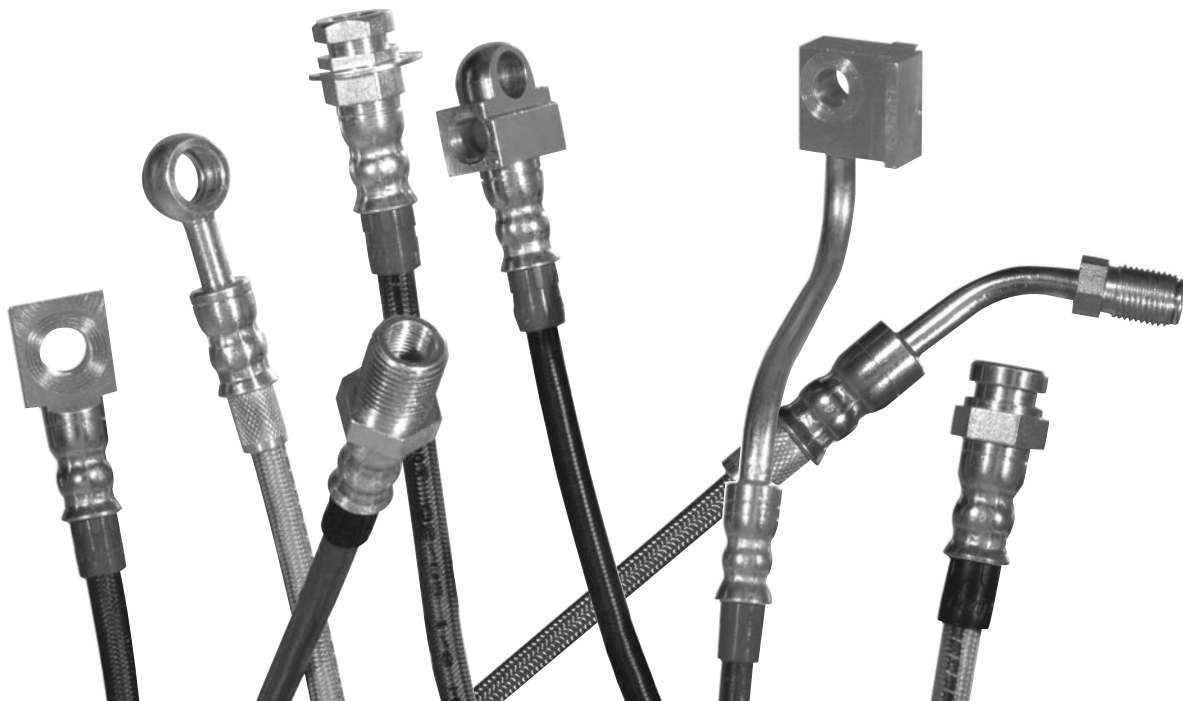
EU = European

US = United States

UNI = Universal

V = Various

## FITTINGS WITH HEAVY DUTY SILVER FINISH



Fittings listed here are plated with an extra top coat for extra protection. They all have a bright silver finish and are ideal to use with stainless steel braided lines. To order these fittings, just place CC at the end of the original part number.

PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
<b>HF04CC</b>	<b>HFB27CC</b>	<b>HFC10CC</b>	<b>HFIFX02CC</b>	<b>HFMF28CC</b>
<b>HF06CC</b>	<b>HFB28CC</b>	<b>HFC12CC</b>	<b>HFIM01CC</b>	<b>HFMF31CC</b>
<b>HF07CC</b>	<b>HFB34CC</b>	<b>HFC13CC</b>	<b>HFIM02CC</b>	<b>HFMF35CC</b>
<b>HF09CC</b>	<b>HFB35CC</b>	<b>HFC17CC</b>	<b>HFIM03CC</b>	<b>HFMF38CC</b>
<b>HF10CC</b>	<b>HFB36CC</b>	<b>HFIF01CC</b>	<b>HFIM13CC</b>	<b>HFMF39CC</b>
<b>HF11CC</b>	<b>HFB37CC</b>	<b>HFIF02CC</b>	<b>HFIM19CC</b>	<b>HFMF50CC</b>
<b>HF12CC</b>	<b>HFB40CC</b>	<b>HFIF05CC</b>	<b>HFMF01CC</b>	<b>HFMF51CC</b>
<b>HF13CC</b>	<b>HFB47CC</b>	<b>HFIF07CC</b>	<b>HFMF02CC</b>	<b>HFMF100CC</b>
<b>HF14CC</b>	<b>HFB82CC</b>	<b>HFIF08CC</b>	<b>HFMF03CC</b>	<b>HFMFX01CC</b>
<b>HF15CC</b>	<b>HFB83CC</b>	<b>HFIF09CC</b>	<b>HFMF04CC</b>	<b>HFMFX04CC</b>
<b>HF16CC</b>	<b>HFB100CC</b>	<b>HFIF10CC</b>	<b>HFMF05CC</b>	<b>HFMM01CC</b>
<b>HF17CC</b>	<b>HFB101CC</b>	<b>HFIF19CC</b>	<b>HFMF06CC</b>	<b>HFMM02CC</b>
<b>HF34CC</b>	<b>HFB150CC</b>	<b>HFIF32CC</b>	<b>HFMF08CC</b>	<b>HFMM03CC</b>
<b>HF35CC</b>	<b>HFB306CC</b>	<b>HFIF33CC</b>	<b>HFMF09CC</b>	<b>HFMM04CC</b>
<b>HFB01CC</b>	<b>HFB307CC</b>	<b>HFIF34CC</b>	<b>HFMF11CC</b>	<b>HFMM05CC</b>
<b>HFB02CC</b>	<b>HFC02CC</b>	<b>HFIF35CC</b>	<b>HFMF14CC</b>	<b>HFMM06CC</b>
<b>HFB09CC</b>	<b>HFC04CC</b>	<b>HFIF36CC</b>	<b>HFMF15CC</b>	<b>HFMM11CC</b>
<b>HFB10CC</b>	<b>HFC05CC</b>	<b>HFIF45CC</b>	<b>HFMF16CC</b>	
<b>HFB12CC</b>	<b>HFC06CC</b>	<b>HFIF51CC</b>	<b>HFMF20CC</b>	
<b>HFB13CC</b>	<b>HFC07CC</b>	<b>HFIF301CC</b>	<b>HFMF24CC</b>	
<b>HFB14CC</b>	<b>HFC09CC</b>	<b>HFIFX01CC</b>	<b>HFMF26CC</b>	

A = Asian

EU = European

US = United States

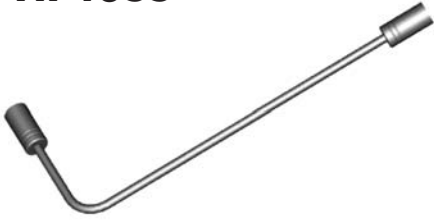
UNI = Universal

V = Various

# HARLEY DAVIDSON FITTINGS

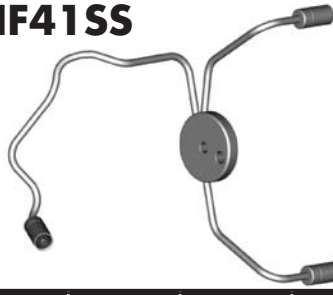
JOINERS

## HF40SS



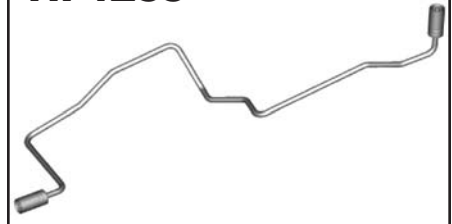
THREAD	FLARE	TUBE SIZE	OAL
		3/16"	225mm

## HF41SS



THREAD	FLARE	TUBE SIZE	OAL
		3/16"	240mm

## HF42SS



THREAD	FLARE	TUBE SIZE	OAL
		3/16"	405mm

## HF44SS



THREAD	FLARE	TUBE SIZE	OAL
		3/16"	340mm

## HF47SS



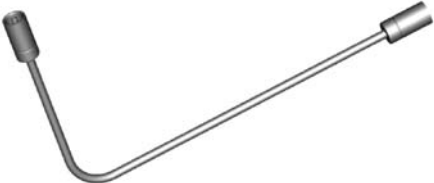
THREAD	FLARE	TUBE SIZE	OAL
		3/16"	290mm

## HF64SS



THREAD	FLARE	TUBE SIZE	OAL
1/8NPT		3/16"	145mm

## HF65SS



THREAD	FLARE	TUBE SIZE	OAL
		3/16"	270mm

## HF45SS



THREAD	FLARE	TUBE SIZE	OAL
3/8NF	Double	3/16"	95mm

## HF46SS



THREAD	FLARE	TUBE SIZE	OAL
3/8NF	Double	3/16"	80mm

## HF50SS



THREAD	FLARE	TUBE SIZE	OAL
3/8NF	Double	3/16"	260mm

SWIVELS

## HF51SS



THREAD	FLARE	TUBE SIZE	OAL
3/8NF	Double	3/16"	315mm

## HF66SS



THREAD	FLARE	TUBE SIZE	OAL
3/8NF	Double	3/16"	190mm

## HF67SS



THREAD	FLARE	TUBE SIZE	OAL
3/8NF	Double	3/16"	180mm

A = Asian

EU = European

US = United States

UNI = Universal

V = Various



# HARLEY DAVIDSON FITTINGS

SWIVELS

BANJOS

### HF68SS

THREAD	FLARE	TUBE SIZE	OAL
3/8NF	Double	3/16"	160mm

### HF70SS

THREAD	FLARE	TUBE SIZE	OAL
3/8NF	Double	3/16"	125mm

### HFB10SS

1/8" NPT Thread

HOLE	THICK	WIDTH	ANGLE	OAL
10mm	8mm	19mm	70°	82mm

### HFB150SS

HOLE	THICK	WIDTH	ANGLE	OAL
7/16"	8.5mm	19mm		196mm

### HFB151SS

HOLE	THICK	WIDTH	ANGLE	OAL
10mm	9mm	17mm	80°	60mm

### HFB154SS

HOLE	THICK	WIDTH	ANGLE	OAL
7/16"	8.5mm	20.5mm		260mm

### HFB162SS

1/8" NPT Thread

HOLE	THICK	WIDTH	ANGLE	OAL
10mm	8.5mm	18mm		340mm

### HFB163SS

HOLE	THICK	WIDTH	ANGLE	OAL
7/16"	8.5mm	20.5mm		260mm

### HFB167SS

HOLE	THICK	WIDTH	ANGLE	OAL
10mm	8.5mm	18mm		200mm

### HFB168SS

HOLE	THICK	WIDTH	ANGLE	OAL
7/16"	8.5mm	19mm		200mm

### HFB169SS

HOLE	THICK	WIDTH	ANGLE	OAL
7/16"	8.5mm	19mm		220mm

### HFB170SS

HOLE	THICK	WIDTH	ANGLE	OAL
7/16"	8.5mm	20.5mm	40°	235mm

### HFB171SS

HOLE	THICK	WIDTH	ANGLE	OAL
10mm	8.5mm	18mm	40°	65mm

### HFB178SS

HOLE	THICK	WIDTH	ANGLE	OAL
7/16"	8.5mm	19mm	40°	75mm

A = Asian    EU = European    US = United States    UNI = Universal    V = Various

# BRACKETS

**BQB01**



LOCATION	HOLE	FITS
	9mm	US

**BQB04**



LOCATION	HOLE	FITS
Either	8.4mm	US

**BQB05**



LOCATION	HOLE	FITS
	9mm	US

**BQB10**



LOCATION	HOLE	FITS
Left	9.6mm	US

**BQB11**



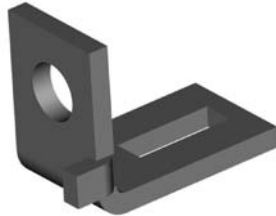
LOCATION	HOLE	FITS
Right	9.6mm	US

**BQB20**



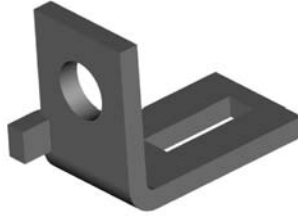
LOCATION	HOLE	FITS
Either	9mm	US

**BQB24**



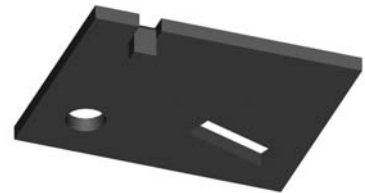
LOCATION	HOLE	FITS
Left	8.8mm	US

**BQB25**



LOCATION	HOLE	FITS
Right	8.8mm	US

**BQB26**



LOCATION	HOLE	FITS
Right	7mm	US

**BQB27**



LOCATION	HOLE	FITS
Left	7mm	US

**BQB29**



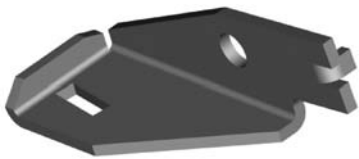
LOCATION	HOLE	FITS
Either	9.6mm	US

**BQB30**



LOCATION	HOLE	FITS
Rear	10.4mm	US

**BQB39**



LOCATION	HOLE	FITS
Left	9mm	US

**BQB40**



LOCATION	HOLE	FITS
Right	9mm	US

**BQB41**



LOCATION	HOLE	FITS
Left	9mm	US

FITTING BRACKETS

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V = Various

# BRACKETS

FITTING BRACKETS

## BQB42



LOCATION	HOLE	FITS
Right	9mm	US

## BQB50



LOCATION	HOLE	FITS
Either	8mm	US

## BQB63



LOCATION	HOLE	FITS
Rear	10.8mm	US

## BQB64



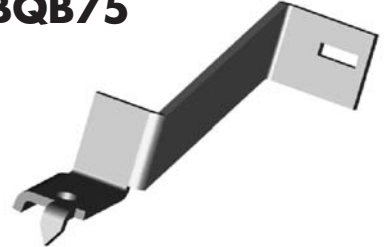
LOCATION	HOLE	FITS
Left	8.3mm	US

## BQB65



LOCATION	HOLE	FITS
Right	8.3mm	US

## BQB75



LOCATION	HOLE	FITS
Rear	8.5mm	US

## BQB86



LOCATION	HOLE	FITS
Left	8.5mm	US

## BQB87



LOCATION	HOLE	FITS
Right	8.5mm	US

## BQB312



LOCATION	HOLE	FITS
Left	6.3mm	US

## BQB313



LOCATION	HOLE	FITS
Right	6.3mm	US

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V = Various

# BRACKETS

## BQB02



LOCATION	HOLE	FITS
Right	M6 x 1	US

## BQB08



LOCATION	HOLE	FITS
Right	8.8mm	US

## BQB09



LOCATION	HOLE	FITS
Left	8.8mm	US

## BQB12



LOCATION	HOLE	FITS
Left	M6 x 1	US

## BQB16



LOCATION	HOLE	FITS
Left	9mm	US

## BQB17



LOCATION	HOLE	FITS
Right	9mm	US

# CENTER BRACKETS

## BQB18



LOCATION	HOLE	FITS
Left	9mm	US

## BQB19



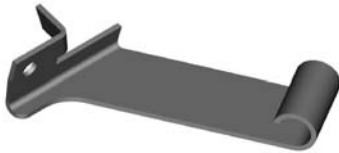
LOCATION	HOLE	FITS
Right	9mm	US

## BQB21



LOCATION	HOLE	FITS
Left	6mm	US

## BQB22



LOCATION	HOLE	FITS
Right	6mm	US

## BQB23



LOCATION	HOLE	FITS
Either		US

## BQB36



LOCATION	HOLE	FITS
Left		US

## BQB37



LOCATION	HOLE	FITS
Right		US

## BQB38



LOCATION	HOLE	FITS
Either	5/16NF	US

## BQB48



LOCATION	HOLE	FITS
Left	6.4mm	US

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UNI = Universal

V = Various

# BRACKETS

CENTER BRACKETS

UNIVERSAL

**BQB49**



LOCATION	HOLE	FITS
Right	6.4mm	US

**BQB69**



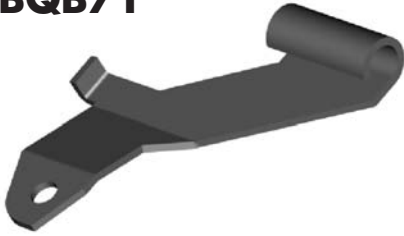
LOCATION	HOLE	FITS
Either	M8x1.25	US

**BQB70**



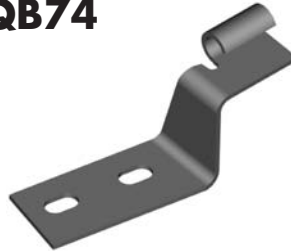
LOCATION	HOLE	FITS
Left	9.2mm	US

**BQB71**



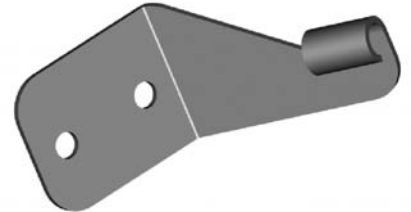
LOCATION	HOLE	FITS
Right	9.2mm	US

**BQB74**



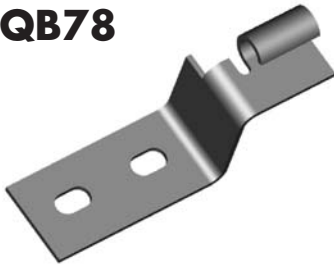
LOCATION	HOLE	FITS
Left	8.8mm	US

**BQB77**



LOCATION	HOLE	FITS
Left	9.1mm	US

**BQB78**



LOCATION	HOLE	FITS
Right	8.8mm	US

**BQB06**



LOCATION	HOLE	FITS
	17mm	UNI

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# RUBBER HOSE COMPONENTS

## BQ203



DIAMETER	OAL	FITS
16mm	104mm	V

## BQ210



DIAMETER	OAL	FITS
30mm	10mm	EU

## BQ211



DIAMETER	OAL	FITS
18mm	25mm	V

## BQ212



DIAMETER	OAL	FITS
22mm	41mm	V

## BQ213



DIAMETER	OAL	FITS
30mm	32mm	A

## BQ215



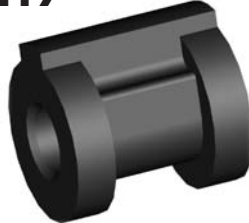
DIAMETER	OAL	FITS
25mm	22mm	A

## BQ216



DIAMETER	OAL	FITS
28mm	32mm	EU

## BQ217



DIAMETER	OAL	FITS
28mm	29mm	EU

## BQ218



DIAMETER	OAL	FITS
25mm	16mm	EU

A = Asian

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V = Various



# PLASTIC CLIPS

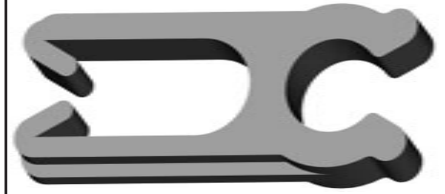
**BQ65**



**BQ66**



**BQ67**



**BQ68**



**BQ69**



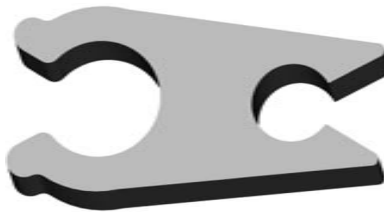
**BQ70**



**BQ97**

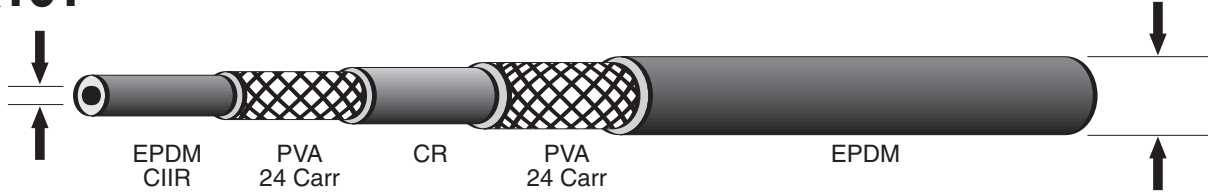


**BQ98**



# Rubber Brake Hose

## BQ101



Hose ID: .130" - .138"  
(3.3mm - 3.5mm)

Hose OD: .406" - .421"  
(10.3mm - 10.7mm)

- Two braid PVA reinforced hose
  - Meets FMVSS-106 and SAE J1401 specifications
  - Temperature range -50°C to 121°C
  - Compatible with DOT 3, DOT 4 and most non-petroleum based brake fluids
  - Excellent moisture resistance
  - Superior weather resistant cover material
- (50 Feet Minimum)

## BQ11



**Hose Protector Spring**  
(PKT 6)

## BQ12



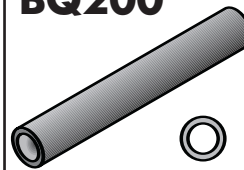
**Fitting Shoulder Clips**  
(PKT 20)

## BQ71



**Bracket Retaining Screws**  
(PKT 50)

## BQ200



**Insulating Hose Thick**  
(10' Length)

## BQ201



**Insulating Hose Thin**  
(50' Length)

# Rubber Brake Hose Cutter



This heavy duty tool cuts hose clean & square every time - with ease. Blade is reversible for double life. Replacement blade available (BQ2101B).



**BQ2004**

We still offer replacement blades for the BQ2003 red plastic hose cutter which is discontinued.

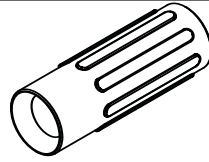
# STAINLESS STEEL BRAIDED HOSE & ACCESSORIES



## Polished Stainless Steel Fittings

Complete your brake plumbing job with stainless steel fittings for non-rusting durability. Polished finish for the chrome like look.

PART NO.	DESCRIPTION
<b>BQ56ASS</b>	3 Way Tube Tee - 3/8" x 24NF - 5/16" mount hole
<b>BQ111SS</b>	Female Tube Joiner - 7/16" x 24NS
<b>BQ2577SS</b>	Tube Nut Male (7/16" x 24NS - 1/4")
<b>BQ3052SS</b>	Brake Hose Retaining Clip
<b>BQ4511SS</b>	Tube Nut Male (M10 x 1 - 3/16")
<b>BQ4513SS</b>	Tube Nut Male (M12 x 1 - 1/4")
<b>BQ5555SS</b>	Tube Nut Male (3/8" x 24NF - 3/16")
<b>BQ5842SS</b>	Tube Nut Male (7/16" x 24NS - 3/16")
<b>BQ8093SS</b>	Banjo Bolt - 3/8" x 24NF x 1"L
<b>BQ8095SS</b>	Banjo Bolt - M10 x 1 x 1"L
<b>BQ8099SS</b>	Banjo Bolt - M10 x 1.25 x 1"L
<b>HF01SS</b>	Fitting - Lifesaver - 3/16" Countersink
<b>HF06SS</b>	Fitting - Male Swivel Nut 7/16" x 24NS (90°)
<b>HF07SS</b>	Fitting - Male Swivel Nut 7/16" x 24NS (45°)
<b>HF09SS</b>	Fitting - Female Swivel Nut 3/8" x 24NF (Straight)
<b>HF10SS</b>	Fitting - Female Swivel Nut 3/8" x 24NF (45°)
<b>HF11SS</b>	Fitting - Female Swivel Nut 3/8" x 24NF (90°)
<b>HF12SS</b>	Fitting - Female Swivel Nut 7/16" x 20NF (Straight)
<b>HF13SS</b>	Fitting - Female Swivel Nut 7/16" x 20NF (45°)
<b>HF14SS</b>	Fitting - Female Swivel Nut 7/16" x 20NF (90°)
<b>HF15SS</b>	Fitting - Male Swivel Nut 7/16" x 24NS
<b>HF16SS</b>	Fitting - Male Swivel Nut 3/8" x 24NF
<b>HF17SS</b>	Fitting - Male Swivel Nut 3/8" x 24NF (90°)
<b>HF30SS</b>	Fitting - 3/16" Compression
<b>HF31SS</b>	Fitting - 1/4" Compression
<b>HF33SS</b>	Fitting - Male Swivel Nut 3/8" x 24NF (45°)
<b>HFB09SS</b>	Fitting - Banjo 10 x 10mm
<b>HFB34SS</b>	Fitting - Banjo 10 x 8mm (Extra long Neck)
<b>HFB37SS</b>	Fitting - Banjo 10 x 10mm (Extra long Neck)
<b>HFIF01SS</b>	Fitting - Female 3/8" x 24NF
<b>HFIF02SS</b>	Fitting - Female 7/16" x 24NS
<b>HFIM01SS</b>	Fitting - Male 3/8" x 24NF Short
<b>HFIM03SS</b>	Fitting - Male 7/16" x 20NF Short
<b>HFIM19SS</b>	Fitting - Male 1/8" x 27NPTF
<b>HFMF04SS</b>	Fitting - Female M10 x 1 (17mm Flats)
<b>HFMF06SS</b>	Fitting - Male M10 x 1 (Short)



## Fitting Joint Supports

PART NO.	DESCRIPTION
<b>BQ15BK</b>	High Temp Material - Black
<b>BQ15BL</b>	High Temp Material - Blue
<b>BQ15GR</b>	High Temp Material - Green
<b>BQ15GY</b>	High Temp Material - Grey
<b>BQ15RD</b>	High Temp Material - Red
<b>BQ16</b>	Aluminum (Off Road Use Only)

## Stainless Steel Braided Brake Hose

PART NO.	SIZE	JACKET COLOR
<b>BQ301</b>	1/8" ID	Nil
<b>BQ303</b>	1/8" ID	Clear
<b>BQ303BK</b>	1/8" ID	Smoke/Black
<b>BQ303BL</b>	1/8" ID	Blue
<b>BQ303GR</b>	1/8" ID	Green
<b>BQ303RD</b>	1/8" ID	Red

## Clear Center Fitting Adapter Tube

Allows you to adapt center fittings and accessories to non-jacketed hose available in 10' lengths.



**BQ310**

Allows you to adapt center fittings and accessories to jacketed hose available in 10' lengths.



**BQ311**

## TOOLS

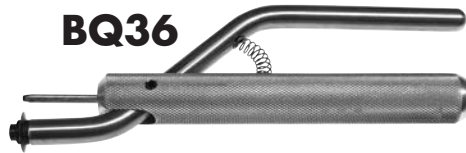


**BQ1019**

## Hose Expander

Ideal for the pre-installation of fittings into 1/8" ID Teflon braided hose. Three sided tool fits into a drill chuck for easy application. Simply place tool into drill chuck & rotate into end of hose.

**BQ36**



## Skiving Tool

This handy tool is the ultimate tool for skiving the jacket off 1/8" ID braided hose – cuts cleanly and square to the correct length every time. The incorporated mandrel also acts as a hose expander to help with the installation of the fitting. Made in the USA.

**BQ42525**



## Replacement Cutting Wheel

**BQ2006**



**BQ2006A**

## Stainless Steel Braided Hose Shears

Heavy duty shears for a clean cut every time – Portable & light weight for ease of use – Suitable for cutting hose to 1/2" OD.

Replacement jaws available (BQ2006A).

**BQ2006B**



Mount bracket allows you to secure shears so that you can cut hose with one hand.

# METAL TUBE PROGRAM

## Join the Revolution!



### EziBend Tube

Convert your steel tubes to non rusting EziBend tube that:

- Complies with DOT standards.
- Doesn't rust or corrode.
- Very easy to work with.
- Does not require bending tools.
- OEM on luxury European vehicles.
- Polishes to a brilliant finish.
- Available in sizes 3/16", 1/4", 5/16", 3/8".

#### EziBend Tube

PART NO.	OD SIZE	WALL THICKNESS	LENGTH
<b>T187-100CN</b>	3/16"	.028"	100'
<b>T187-25CN</b>	3/16"	.028"	25'
<b>T250-25CN</b>	1/4"	.028"	25'
<b>T312-25CN</b>	5/16"	.028"	25'
<b>T375-25CN</b>	3/8"	.028"	25'

#### Tube Nuts

PART NO.	TYPE	THREAD	TUBE
<b>BQ57</b>	Female	7/16" x 20NF	1/4"
<b>BQ72</b>	Male	M10 x 1	3/16" DIN
<b>BQ2577</b>	Male	7/16" x24NS	1/4"
<b>BQ2578</b>	Male	1/2" x 20NF	5/16"
<b>BQ4276</b>	Male	3/8" x 20BSF	3/16"
<b>BQ4277</b>	Male	7/16" x 20NF	1/4"
<b>BQ4285</b>	Male	3/8" x 2M4NF	3/16"
<b>BQ4510</b>	Male	M9 x 1	3/16"
<b>BQ4511</b>	Male	M10 x 1	3/16"
<b>BQ4512</b>	Male	M10 x 1.25	3/16"
<b>BQ4513</b>	Male	M12 x 1	1/4"
<b>BQ5555</b>	Male	3/8" x 24NF	3/16"
<b>BQ5842</b>	Male	7/16" x 24NS	3/16"
<b>BQ6118</b>	Male	7/16" x 20NF	3/16"
<b>BQ9174</b>	Female	M12 x 1	3/16"
<b>BQ9175</b>	Female	M10 x 1	3/16"
<b>BQ9176</b>	Female	3/8" x 24NF	3/16"
<b>BQ9177</b>	Female	1/2" x 20NF	5/16"
<b>BQ9178</b>	Female	M12 x 1.5	1/4"
<b>BQ9179</b>	Female	M12 x 1	1/4"
<b>BQ9180</b>	Male	M12 x 1	3/16"
<b>BQ9181</b>	Male	5/8" x 18NF	3/8"
<b>BQ9182</b>	Male	M12 x 1.5	6mm
<b>BQ9183</b>	Male	M14 x 1.5	6mm
<b>BQ9184</b>	Male	1/2" x 20NF	3/16"
<b>BQ9185</b>	Male	9/16" x 18NF	3/16"
<b>BQ9186</b>	Male	9/16" x 18NF	1/4"
<b>BQ9187</b>	Male	1/2" x 20NF	1/4"
<b>BQ9188</b>	Male	M10 x 1.5	3/16"
<b>BQ9189</b>	Male	M11 x 1.0	3/16"
<b>BQ9190</b>	Male	M11 x 1.25	3/16"
<b>BQ9191</b>	Male	M11 x 1.5	3/16"
<b>BQ9192</b>	Male	M12 x 1.25	3/16"
<b>BQ9193</b>	Male	M12 x 1.5	3/16"
<b>BQ9194</b>	Male	M13 x 1.0	3/16"
<b>BQ9195</b>	Male	M13 x 1.25	3/16"
<b>BQ9196</b>	Male	M13 x 1.5	3/16"
<b>BQ9197</b>	Male	M14 x 1.5	5/16"
<b>BQ9198</b>	Male	M16 x 1.5	5/16"
<b>BQ9199</b>	Male	M18 x 1.5	5/16"

#### Brake Tube Protector

- No rust Stainless Steel Spring protects your brake tube from gravel & debris
- Easy to install
- Just cut to length
- Available in sizes 3/16" ID & 1/4" ID in 3 feet lengths
- Can be polished to shine.

**BQ232**

(1/4")

(3/16")

**BQ231**

#### Polished Stainless Steel Tube

This brightly finished tube is annealed which makes it easy to flare and bend.

PART NO.	OD SIZE	WALL THICKNESS	LENGTH
<b>T187-20SS</b>	3/16"	.028"	20'
<b>T250-20SS</b>	1/4"	.028"	20'
<b>T312-20SS</b>	5/16"	.028"	20'
<b>T375-20SS</b>	3/8"	.028"	20'

# Fastest Flaring Tool in the West



**BQ27008**

**This Double Flaring Tool:**

- Creates single and double flares on tube sizes 3/16" - 1/4" - 5/16" - 3/8" - 1/2" – 6mm – 8mm – 10mm – 12mm and the special 4.75mm DIN single flares found on European vehicles
- Punch turrets has OP-1 and OP-2 punches positioned side by side for efficiency
- Produces flares in a matter of seconds
- Provides the convenience and efficiency of lever cam operation
- Features automatic punch extraction
- Screw clamp for accurate die alignment
- Comes in a rugged plastic case

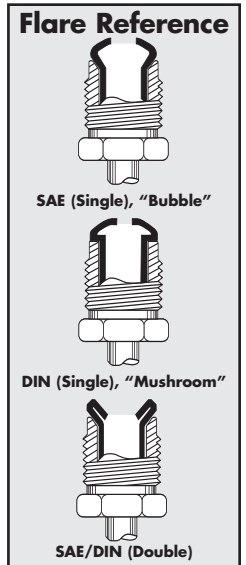
Double Flaring Tool has become the industry standard for its speed, accuracy, and reliability. It produces convex and double flares to SAE and DIN standards on all light wall annealed tubing.

**Bubble & Double Flare Die & Punch Guide**

TUBE SIZE	DIE NO.	PUNCH NO. OP- 1	PUNCH NO. OP- 2
3/16"	<b>BQ27031</b>	<b>BQ27051</b>	<b>BQ27071</b>
1/4"	<b>BQ27032</b>	<b>BQ27052</b>	<b>BQ27071</b>
5/16"	<b>BQ27033</b>	<b>BQ27053</b>	<b>BQ27072</b>
3/8"	<b>BQ27034</b>	<b>BQ27054</b>	<b>BQ27072</b>
1/2"	<b>BQ27035</b>	<b>BQ27055</b>	<b>BQ27073</b>
6mm	<b>BQ27042</b>	<b>BQ27052</b>	<b>BQ27071</b>
8mm	<b>BQ27043</b>	<b>BQ27053</b>	<b>BQ27072</b>
10mm	<b>BQ27044</b>	<b>BQ27054</b>	<b>BQ27072</b>
12mm	<b>BQ27045</b>	<b>BQ27055</b>	<b>BQ27073</b>

**DIN Flare**

TUBE SIZE	DIE NO.	PUNCH NO.
4.75mm	<b>BQ27041</b>	<b>BQ27061</b>
6mm	<b>BQ27047</b>	<b>BQ27062</b>
8mm	<b>BQ27048</b>	<b>BQ27063</b>
10mm	<b>BQ27049</b>	<b>BQ27064</b>
12mm	<b>BQ27050</b>	<b>BQ27065</b>





## The Handiest Tool in a Brake Mechanic's Toolbox

### Brake Tube Pliers

For use on 3/16" brake tube



**BQ21600**

### Convenient and Quality Crafted

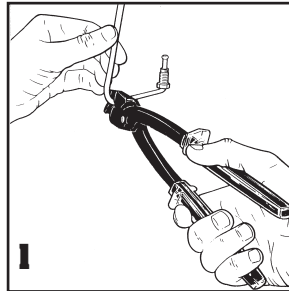
Brake mechanics often testify that this tool is the handiest tool in their tool boxes. Brake Tube Pliers are lightweight, yet strong enough for any brake job.

Brake Tube Pliers are designed to work efficiently, securely, and accurately in tight spaces, without

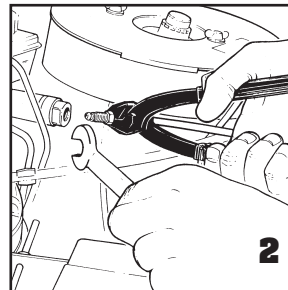
damaging the brake tube.

So, when the job calls for working with 3/16" brake tube, *Brake Tube Pliers will make life as easy as **1, 2, 3.***

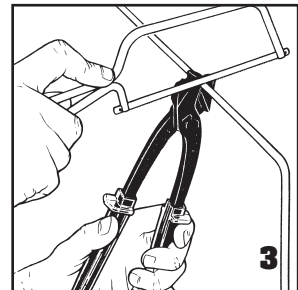
Brake Tube Pliers are distributed exclusively by BrakeQuip and manufactured in Europe.



**1**  
Brake Tube Pliers allows a tight 90° bend on the brake tube, right at the tube nut.



**2**  
Brake Tube Pliers allow you to align the tube nut during assembly. In addition, it grips 3/16" brake tube securely without damaging it.



**3**  
The hardened, square face on the back of Brake Tube Pliers acts as a guide to cut 3/16" brake tube squarely.

## The Best Tube Bender in the Business



**BQ25600**

- Bends 3/16" & 1/4" - 4.75mm & 6mm OD tube
- This tool has a unique rolling action that is essential when bending plastic or epoxy coated tube
- Bends of up to 180° can be made without harming the coating of the tube
- Removable handle for ease of use
- Vice lug on handle for one hand operation
- Able to do tight bends without kinking



## MISCELLANEOUS

### BQB06



#### Universal Mounting Bracket

Universal hole size allows most brake hoses to be securely mounted. Bracket can be screwed on, riveted or welded to frame. Rounded finish for professional looks.

### BQ3052



#### Brake Hose Retaining Clip

Universal clip design secures most brake hoses to mounting surface. Also available in polished stainless steel.

### BQ153



#### Weld On Fitting

The ultimate problem solver for connecting metal tube to hose.

#### FEATURES:

- Universal countersink hole for 3/16" & 1/4" tube sizes
- Popular No. 3 JIC take off point

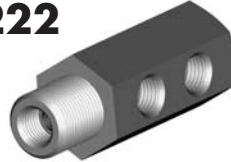
### BQ7812



#### Three-way Tee with bracket

- 3/8 x 24NF x 3 (Inverted Seat)
- Locating bracket avoids twisting

### BQ222



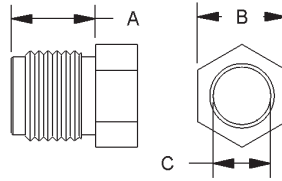
#### Universal tandem trailer fitting (4 way)

- 3/8 x 24NF x 4 (Inverted Seat)
- Secured by bulkhead mount (Use BQ13 bulkhead nut)
- Eliminates fittings and joins
- Any excess ports can be blanked off with a BQ19 plug

# TUBE NUTS

## Tube Nuts

Most BrakeQuip tube nuts have two distinct features for easier installation & dismantling.



1. **A small step on end of the thread –**

This allows for easier installation because the step acts as a guide & makes it easier to start the thread. It also gives the thread clearance at the end which eliminates the problem of flaring out when over tightened. If this happens, the nut can be very difficult to remove & can some times destroy the thread when removed.

2. **A thread relief under the hex –**

apart from looking more professional, this allows the nut to be screwed down right up to the hex if necessary.

**FEATURES:**

- Male & Female
- Imperial & Metric Threads
- Various tube sizes
- Zinc plated for corrosion resistance

Assortment kits available.

To order see Part No. BQ7005 & BQ7006.

PART NO.	TYPE	THREAD	A	B	C
BQ57	Female	7/16" x 20NF	3/8"	9/16"	1/4"
BQ72	Male	M10 x 1	14mm	10mm	3/16" DIN
BQ2577	Male	7/16" x 24NS	13mm	7/16"	1/4"
BQ2578	Male	1/2" x 20NF	12mm	1/2"	5/16"
BQ4276	Male	3/8" x 20BSF	16mm	3/8"	3/16"
BQ4277	Male	7/16" x 20NF	18mm	7/16"	1/4"
BQ4285	Male	3/8" x 24NF	16mm	3/8"	3/16"
BQ4510	Male	M9 x 1	14mm	10mm	3/16"
BQ4511	Male	M10 x 1	14mm	10mm	3/16"
BQ4512	Male	M10 x 1.25	15mm	10mm	3/16"
BQ4513	Male	M12 x 1	15mm	12mm	1/4"
BQ5555	Male	3/8" x 24NF	10mm	3/8"	3/16"
BQ5842	Male	7/16" x 24NS	10mm	7/16"	3/16"
BQ6118	Male	7/16" x 20NF	18mm	7/16"	3/16"
BQ9174	Female	M12 x 1	10mm	16mm	3/16"
BQ9175	Female	M10 x 1	10mm	1/2"	3/16"
BQ9176	Female	3/8" x 24NF	10mm	1/2"	3/16"
BQ9177	Female	1/2" x 20NF	7/16"	5/8"	5/16"
BQ9178	Female	M12 x 1.5	10mm	16mm	1/4"
BQ9179	Female	M12 x 1	10mm	16mm	1/4"
BQ9180	Male	M12 x 1	15mm	12mm	3/16"
BQ9181	Male	5/8" x 18NF	14mm	5/8"	3/8"
BQ9182	Male	M12 x 1.5	13mm	12mm	6mm
BQ9183	Male	M14 x 1.5	15mm	14mm	6mm
BQ9184	Male	1/2" x 20NF	13mm	1/2"	3/16"
BQ9185	Male	9/16" x 18NF	14mm	9/16"	3/16"
BQ9186	Male	9/16" x 18NF	14mm	9/16"	1/4"
BQ9187	Male	1/2" x 20NF	14mm	1/2"	1/4"
BQ9188	Male	M10 x 1.5	15mm	10mm	3/16"
BQ9189	Male	M11 x 1.0	15mm	11mm	3/16"
BQ9190	Male	M11 x 1.25	15mm	11mm	3/16"
BQ9191	Male	M11 x 1.5	15mm	11mm	3/16"
BQ9192	Male	M12 x 1.25	15mm	12mm	3/16"
BQ9193	Male	M12 x 1.5	15mm	12mm	3/16"
BQ9194	Male	M13 x 1.0	15mm	13mm	3/16"
BQ9195	Male	M13 x 1.25	15mm	13mm	3/16"
BQ9196	Male	M13 x 1.5	15mm	13mm	3/16"
BQ9197	Male	M14 x 1.5	15mm	14mm	5/16"
BQ9198	Male	M16 x 1.5	16mm	16mm	5/16"
BQ9199	Male	M18 x 1.5	16mm	18mm	5/16"

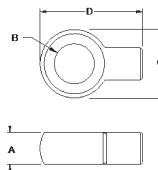
# WELD ON BANJO HEADS

## Weld On Banjo Heads

Designed to make plumbing easy when banjo fittings are necessary.

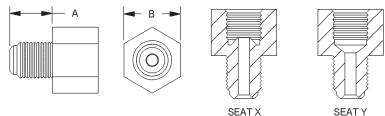
Simply braze 3/16" (4.75mm) tube to banjo head.

Can also be countersunk for 1/4" tube.



PART NO.	A	B	C	D
BQ223	8mm	10mm	17mm	25mm
BQ224	10mm	10mm	18mm	25mm
BQ225	10mm	7/16"	19mm	25mm

# THREAD ADAPTERS



## Male - Female Thread Adapters

Save time & hassle when adapting different threads quickly & easily. Universal Male thread can be sealed with all sealing combinations.

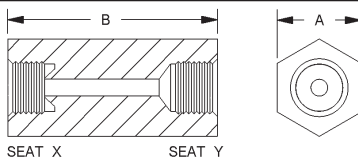
### FEATURES:

- Imperial & Metric Threads
- Inverted seat & drill point seats available
- Zinc plated for corrosion resistance

Assortment kit available.  
To order see Part No. BQ7004.

PART NO.	MALE THREAD	FEMALE THREAD	SEAT TYPE	A	B
BQ40	M10 x 1	M10 x 1	Y	13mm	13mm
BQ41	M10 x 1	M10 x 1.25	X	12mm	13mm
BQ42	M10 x 1.25	M10 x 1	X	12mm	13mm
BQ43	M12 x 1	M10 x 1	X	12mm	16mm
BQ44	M10 x 1	M12 x 1	X	12mm	16mm
BQ45	3/8" x 24NF	7/16" x 24NS	X	12mm	9/16"
BQ46	7/16" x 24NS	3/8" x 24NF	X	12mm	9/16"
BQ47	7/16" x 20NF	3/8" x 24NF	X	12mm	9/16"
BQ48	1/8" x 27NPT	3/8" x 24NF	X	12mm	1/2"
BQ49	M10 x 1	3/8" x 24NF	X	12mm	13mm
BQ50	3/8" x 24NF	M10 x 1	X	12mm	1/2"
BQ120	1/2" x 20NF	3/8" x 24NF	X	12mm	16mm
BQ121	9/16" x 20NS	3/8" x 24NF	X	12mm	11/16"
BQ122	1/2" x 20NF	7/16" x 24NS	X	12mm	16mm
BQ123	9/16" x 18NF	7/16" x 24NS	X	12mm	11/16"
BQ124	9/16" x 18NF	3/8" x 24NF	X	12mm	11/16"
BQ125	M10 x 1	3/8" x 24NF	Y	12mm	13mm
BQ126	7/16" x 20NF	M10 x 1	Y	12mm	9/16"
BQ127	7/16" x 24NS	1/2" x 20NF	X	12mm	5/8"

# FEMALE TUBE JOINERS



## Female Tube Joiners

The recommended way to legally join two tubes together. BrakeQuip tube joiners allow you to join tubes professionally & safely.

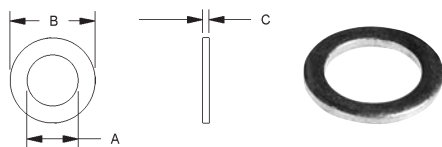
### FEATURES:

- Imperial & Metric Threads
- Inverted seat & drill point seats available
- Zinc plated for corrosion resistance

Assortment kit available.  
To order see Part No. BQ7009.

PART NO.	THREAD	SEAT TYPE	A	B
BQ110	3/8" x 24NF	X	1/2"	22.2mm
BQ111	7/16" x 24NS	X	9/16"	25.0mm
BQ112	1/2" x 20NF	X	5/8"	25.0mm
BQ113	5/8" x 18NF	X	3/4"	29.0mm
BQ114	M10 x 1	Y	13.0mm	29.0mm
BQ115	3/8" x 24NF	Y	1/2"	29.0mm
BQ116	M12 x 1	X	5/8"	25.0mm
BQ117	M10 x 1	X	13mm	22mm

# COPPER WASHERS



## Copper Washers

Heavy duty copper washers for maximum sealing power. The legal & professional way to seal high pressure hydraulic braking systems.

### FEATURES:

- Sizes to fit all banjo bolts
- Reduced outer diameter for less interference
- Annealed for maximum sealing

Assortment kit available.  
To order see Part No. BQ7000.

PART NO.	NOMINAL ID	A	B	C
BQ813	8mm	8.1	13.00	1.3
BQ3858	3/8"	9.6	15.6	1.5
BQ1016	10mm	10.1	16.00	1.5
BQ1118	7/16"	11.2	18.00	1.5
BQ1218	12mm	12.1	18.00	1.5
BQ1320	1/2"	12.8	20.00	2.0
BQ1421	9/16"	14.3	22.00	2.0
BQ1522	15mm	15.1	22.00	2.0
BQ1624	16mm	16.1	24.00	2.0

## BULKHEAD NUTS

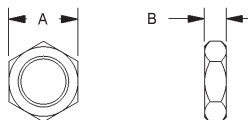
### Bulkhead Nuts

The biggest range of brake hose bulkhead nuts in the country.

**FEATURES:**

- Zinc plated for corrosion resistance
- Imperial & Metric Threads
- Heavy duty construction

Assortment kit available.  
To order see Part No. BQ7008.



PART NO.	THREAD	A	B
<b>BQ13</b>	5/8" x 18NF	15/16"	8mm
<b>BQ77</b>	11/16" x 16NF	1"	8mm
<b>BQ78</b>	3/8" x 24NF	1/2"	5mm
<b>BQ79</b>	M10 x 1	13mm	5mm
<b>BQ80</b>	7/16" x 20NF	5/8"	6mm
<b>BQ81</b>	M12 x 1	19mm	6mm
<b>BQ82</b>	M12 x 1.5	19mm	6mm
<b>BQ83</b>	1/2" x 20NF	3/4"	6mm
<b>BQ84</b>	3/4" x 16NF	1-1/16"	8mm
<b>BQ85</b>	20 x 1.5mm	27mm	8mm
<b>BQ86</b>	18 x 1.5mm	25mm	8mm
<b>BQ87</b>	16 x 1.5mm	22mm	7mm
<b>BQ88</b>	14 x 1.5mm	19mm	6mm
<b>BQ89</b>	7/8" x 18NS	1-1/8"	8mm

## 3 WAY TUBE TEE'S WITH MOUNTING HOLE

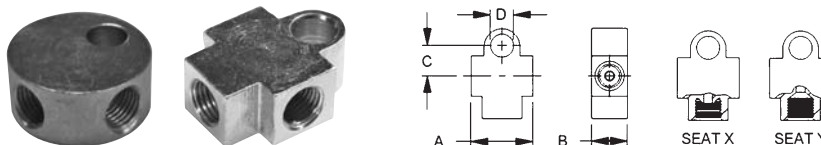
### 3 Way Tube Tee's with Mounting Hole

The ideal fitting for legally joining 3 tubes together. Also features a mounting hole for secure installation.

**FEATURES:**

- Imperial & Metric Threads
- Inverted seat & drill point seats available
- Zinc plated for corrosion resistance

Assortment kit available.  
To order see Part No. BQ7002.



PART NO.	THREAD	SEAT TYPE	A	B	C	D
<b>BQ56A</b>	3/8" x 24NF	X	24mm	1/2"	10.75mm	5/16"
<b>BQ90</b>	3/8" x 24NF	Y	28mm	1/2"	10.75mm	5/16"
<b>BQ91</b>	M10 x 1	X	24mm	1/2"	10.75mm	10mm
<b>BQ92</b>	7/16" x 24NS	X	24mm	14mm	10.75mm	3/8"
<b>BQ93</b>	1/8" x 27NPT	Y	26mm	1/2"	10.75mm	5/16"
<b>BQ94</b>	7/16" x 20NF	Y	30mm	14mm	10.75mm	3/8"
<b>BQ95</b>	M10 x 1	Y	30mm	14mm	10.75mm	7mm

## BANJO UNIONS

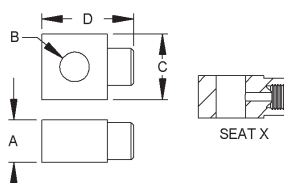
### Banjo Unions

These fittings allow you to convert most joints to a sharp 90 degrees legally & professionally. The swivel feature of these fittings gives you more flexibility in installation.

**FEATURES:**

- Imperial & Metric Threads
- Zinc plated for corrosion resistance

Assortment kit available.  
To order see Part No. BQ7001.



PART NO.	THREAD	SEAT TYPE	A	B	C
<b>BQ60</b>	3/8" x 24NF	X	1/2"	10mm	17mm
<b>BQ61</b>	M10 x 1	X	13mm	10mm	17mm
<b>BQ62</b>	7/16" x 24NS	X	14mm	7/16"	18mm
<b>BQ63</b>	1/2" x 20NF	X	16mm	1/2"	20mm

## BANJO ADAPTERS

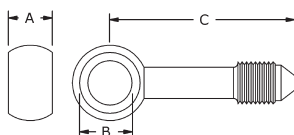
### Banjo Adapters

These fittings allow you to convert most joints to a sharp 90 degrees legally & professionally. The swivel feature of these fittings gives you more flexibility in installation.

**FEATURES:**

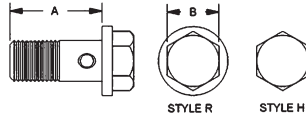
- Imperial & Metric Threads
- Zinc plated for corrosion resistance

Assortment kit available.  
To order see Part No. BQ7001.



PART NO.	A	B	C	THREAD
<b>BQ150</b>	10mm	10mm	42mm	3/8" x 24NF (No. 3 JIC)
<b>BQ151</b>	10mm	10mm	21mm	3/8" x 24NF (No. 3 JIC)
<b>BQ152</b>	10mm	10mm	21mm x (2)	3/8" x 24NF (No. 3 JIC)

## BANJO BOLTS



PART NO.	THREAD	HEAD STYLE	A	B
<b>BQ8086</b>	M10 x 1.5	R	24mm [15/16"]	11mm
<b>BQ8087</b>	M11 x 1.25	R	24mm [15/16"]	5/8"
<b>BQ8088</b>	M10 x 1.5	R	27mm [1-1/16"]	10mm
<b>BQ8089</b>	7/16" x 20NF	R	24mm [15/16"]	7/16"
<b>BQ8090</b>	7/16 x 24NS	R	27mm [1-1/16"]	1/2"
<b>BQ8092</b>	M12 x 1.5	R	25mm [1"]	14mm
<b>BQ8093</b>	3/8" x 24NF	R	25mm [1"]	14mm
<b>BQ8094</b>	M10 x 1	R	26mm [1"]	14mm
<b>BQ8095</b>	M10 x 1	R	22mm [7/8"]	12mm
<b>BQ8096</b>	7/16" x 20NF	R	27mm [1-1/16"]	11mm
<b>BQ8097</b>	1/2" x 20NF	R	30mm [1-3/16"]	9/16"
<b>BQ8098</b>	M12 x 1	R	21mm [13/16"]	13mm
<b>BQ8099</b>	M10 x 1.25	R	22mm [7/8"]	12mm

## Banjo Bolts

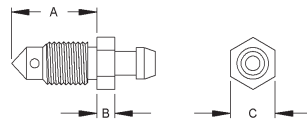
A banjo bolt for every application.

### FEATURES:

- Reduced head size for appearance & less interference
- Zinc plated for corrosion resistance
- Imperial & Metric Threads

Assortment kit available.  
To order see Part No. BQ7007.

## BLEED SCREWS



PART NO.	THREAD	A	B	C
<b>BQ4433</b>	3/8" x 24NF	20mm	5mm	10mm
<b>BQ4434</b>	M10 x 1	23mm	6mm	10mm
<b>BQ4435</b>	M10 x 1	19mm	6mm	10mm

## Bleed Screws

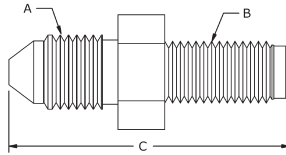
These popular bleed screws makes replacement easy.

### FEATURES:

- Heavy duty hex allows for good gripping
- Zinc plated for corrosion resistance
- Imperial & Metric Threads

Assortment kit available.  
To order see Part No. BQ7011.

## MALE TEST ADAPTERS



PART NO.	A	B	C
<b>BQ128</b>	3/8" x 24NF (No. 3 JIC)	M10 x 1.25	36mm
<b>BQ129</b>	3/8" x 24NF (No. 3 JIC)	M10 x 1.00	36mm
<b>BQ130</b>	3/8" x 24NF (No. 3 JIC)	M10 x 1.5	60mm
<b>BQ131</b>	7/16" x 20NF (No. 4 JIC)	3/8" x 24NF	37mm
<b>BQ132</b>	3/8" x 24NF (No. 3 JIC)	1/4" x 28NF	36mm
<b>BQ133</b>	3/8" x 24NF (No. 3 JIC)	5/16" x 24NF	36mm
<b>BQ134</b>	7/16" x 20NF (No. 4 JIC)	7/16" x 24NS	37mm
<b>BQ135</b>	3/8" x 24NF (No. 3 JIC)	3/8" x 24NF	36mm
<b>BQ144</b>	7/16" x 20NF (No. 4 JIC)	M12 x 1.00	37mm

## Male Test Adapters

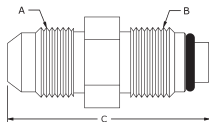
These handy test Adapters can be used for a variety of applications including tapping into your hydraulic system for pressure readings. Will fit most bleed screw openings.

### FEATURES:

- Imperial & Metric Threads
- Take off point are universal JIC ends
- Zinc plated for corrosion resistance

Assortment kit available.  
To order see Part No. BQ7010.

## BUMP TUBE ADAPTERS



PART NO.	A	B	C
<b>14MMBT-6MJ</b>	9/16" x 18NF (No.6 JIC)	M14 x 1.5	39mm
<b>16MMBT-6FI</b>	5/8" x 18NF (Inverted Seat)	M16 x 1.5	32mm
<b>16MMBT-6MJ</b>	9/16" x 18NF (No.6 JIC)	M16 x 1.5	39mm
<b>5MBT-5MJ</b>	1/2" x 20NF (No. 5 JIC)	1/2" x 20NF	37mm
<b>7MBT-6MJ</b>	9/16" x 18NF (No.6 JIC)	11/16" x 18NF	41mm

## Bump Tube Adapters

Handy, hard to get tube adapters for power steering & fuel systems.

### FEATURES:

- Comes with a high temperature Viton "O" ring
- Imperial & Metric Threads

Assortment kit available.  
To order see Part No. BQ7003.



# ASSORTMENT KITS

## Copper Washers

BQ7000

PART NO.	DESCRIPTION	QTY.
BQ1016	10mm ID	20
BQ1118	7/16" ID	20
BQ1218	12mm ID	20
BQ1320	1/2" ID	20
BQ1421	9/16" ID	10
BQ1522	15mm ID	10
BQ1624	16mm ID	10
BQ3858	3/8" ID	20

## Banjo Unions & Adapters

BQ7001

PART NO.	DESCRIPTION	QTY.
BQ60	Union 10mm Hole x 1/2" (T) - 3/8" x 24NF (IS)	4
BQ61	Union 10mm Hole x 13mm (T) - M10x1 (IS)	4
BQ62	Union 7/16" Hole x 14mm (T) - 7/16" x 24NS (IS)	4
BQ63	Union 1/2" Hole x 16mm (T) - 1/2" x 20NF (IS)	4
BQ150	Adapter 10 x 10mm (Ext.) - 3/8" x 24NF (No. 3 JIC)	4
BQ151	Adapter 10 x 10mm - 3/8" x 24NF (No. 3 JIC)	4

T = Thickness IS = Inverted Seat

## 3-Way Tube Tee with Mounting Hole

BQ7002

PART NO.	DESCRIPTION	QTY.
BQ56A	3/8" x 24NF (IS) 5/16" Mount Hole	2
BQ90	3/8" x 24NF (DPS) 5/16" Mount Hole	2
BQ91	M10 x 1 (IS) 10mm Mount Hole	2
BQ92	7/16" x 24NS (IS) 3/8" Mount Hole	2
BQ93	1/8" x 27NPT 5/16" Mount Hole	2
BQ94	7/16" x 20NF (DPS) 3/8" Mount Hole	2

## Bump Tube Adapters

BQ7003

PART NO.	DESCRIPTION	QTY.
14MMBT-6MJ	M14 x 1.5 - 9/16" x 18NF (No. 6 JIC)	4
16MMBT-6FI	M16 x 1.5 - 5/8" x 18NF (Female Inverted)	4
16MMBT-6MJ	M16 x 1.5 - 9/16" x 18NF (No. 6 JIC)	4
5MBT-5MJ	1/2" x 20NF - 1/2" x 20NF (No. 5 JIC)	4
7MBT-6MJ	11/16" x 16N 9/16" x 18NF (No. 6 JIC)	4

## Male - Female Thread Adapters

BQ7004

PART NO.	DESCRIPTION	QTY.
BQ40	(M) M10 x 1 (F) M10 x 1 (DPS)	4
BQ41	(M) M10 x 1 (F) M10 x 1.25 (IS)	4
BQ42	(M) M10 x 1.25 (F) M10 x 1 (IS)	4
BQ43	(M) M12 x 1 (F) M10 x 1 (IS)	4
BQ44	(M) M10 x 1 (F) M12 x 1 (IS)	4
BQ45	(M) 3/8" x 24NF (F) 7/16" x 24NS (IS)	4
BQ46	(M) 7/16" x 24NS (F) 3/8" x 24NF (IS)	4
BQ47	(M) 7/16" x 20NF (F) 3/8" x 24NF (IS)	4
BQ48	(M) 1/8" x 27NPT (F) 3/8" x 24NF (IS)	4
BQ49	(M) M10 x 1 (F) 3/8" x 24NF (IS)	4
BQ50	(M) 3/8" x 24NF (F) M10 x 1 (IS)	4
BQ120	(M) 1/2" x 20NF (F) 3/8" x 24NF (IS)	4
BQ121	(M) 9/16" x 20NS (F) 3/8" x 24NF (IS)	4
BQ122	(M) 1/2" x 20NF (F) 7/16" x 24NS (IS)	4
BQ123	(M) 9/16" x 18NF (F) 7/16" x 24NS (IS)	4
BQ124	(M) 9/16" x 18NF (F) 3/8" x 24NF (IS)	4
BQ125	(M) M10 x 1 (F) 3/8" x 24NF (DPS)	4
BQ126	(M) 7/16" x 20NF (F) M10 x 1 (DPS)	4

## Male Test Adapters

BQ7010

PART NO.	DESCRIPTION	QTY.
BQ130	M10 x 1.5 - 3/8" x 24NF (No. 3 JIC)	4
BQ131	3/8" x 24NF - 7/16" x 20NF (No. 4 JIC)	4
BQ132	1/4" x 28NF - 3/8" x 24NF (No. 3 JIC)	4
BQ133	5/16" x 24NF - 3/8" x 24NF (No. 3 JIC)	4
BQ134	7/16" x 24NS - 7/16" x 20NF (No. 4 JIC)	4
BQ135	3/8" x 24NF - 3/8" x 24NF (No. 3 JIC)	4

## Fitting Plugs & Bleed Screws

BQ7011

PART NO.	DESCRIPTION	QTY.
BQ18	Fitting Plug M10 x 1	6
BQ19	Fitting Plug 3/8" x 24NF	6
BQ26	Fitting Plug 7/16" x 24NS	6
BQ4433	Bleed Screw 3/8" x 24NF	6
BQ4434	Bleed Screw M10 x 1 Long	6
BQ4435	Bleed Screw M10 x 1 Short	6

(M) = Male (F) = Female (IS) = Inverted Seat (DPS) = Drill Point Seat (DIN) = European Style Flare

## Metric Tube Nuts

BQ7005

PART NO.	DESCRIPTION	QTY.
BQ72	Male M10 x 1 - 3/16" Tube (DIN)	4
BQ4511	Male M10x1 - 3/16" Tube	10
BQ4512	Male M10x1.25 - 3/16" Tube	6
BQ4513	Male M12x1 - 1/4" Tube	6
BQ9174	Female M12 x 1 - 3/16" Tube	4
BQ9175	Female M10 x 1 - 3/16" Tube	4
BQ9178	Female M12 x 1.5 - 1/4" Tube	4
BQ9179	Female M12 x 1 - 1/4" Tube	4
BQ9180	Male M12 x 1 - 3/16" Tube	4
BQ9182	Male M12 x 1.5 - 6mm Tube	4
BQ9183	Male M14 x 1.5 - 6mm Tube	4
BQ9188	Male M10 x 1.5 - 3/16" Tube	4
BQ9191	Male M11 x 1.5 - 3/16" Tube	4
BQ9192	Male M12 x 1.25 - 3/16" Tube	4
BQ9193	Male M12 x 1.5 - 3/16" Tube	4

## Bulkhead Nuts

BQ7008

PART NO.	DESCRIPTION	QTY.
BQ13	5/8" x 18NF	4
BQ77	11/16" x 18NS	2
BQ78	3/8" x 24NF	4
BQ79	M10 x 1	4
BQ80	7/16" x 20NF	4
BQ81	M12 x 1	4
BQ82	M12 x 1.5	4
BQ83	1/2" x 20NF	4
BQ84	3/4" x 16NF	2
BQ87	M16 x 1.5	2
BQ88	M14 x 1.5	2
BQ89	7/8" x 18NS	2

## Imperial Tube Nuts

BQ7006

PART NO.	DESCRIPTION	QTY.
BQ57	Female 7/16" x 20NF Thread - 1/4" Tube	4
BQ2577	Male 7/16" x 24NS Thread - 1/4" Tube	10
BQ2578	Male 1/2" x 20NF Thread - 5/16" Tube	6
BQ4276	Male 3/8" x 20BSF Thread - 3/16" Tube	4
BQ4277	Male 7/16" x 20NF Thread - 1/4" Tube	4
BQ4285	Male 3/8" x 24NF Thread - 3/16" Tube	4
BQ5555	Male 3/8" x 24NF Thread - 3/16" Tube	10
BQ5842	Male 7/16" x 24NS Thread - 3/16" Tube	10
BQ6118	Male 7/16" x 20NF Thread - 3/16" Tube	6
BQ9176	Female 3/8" x 24NF Thread - 3/16" Tube	4
BQ9177	Female 1/2" x 20NF Thread - 5/16" Tube	4
BQ9184	Male 1/2" x 20NF Thread - 3/16" Tube	4
BQ9185	Male 9/16" x 18NF Thread - 3/16" Tube	4
BQ9186	Male 9/16" x 18NF Thread - 1/4" Tube	4
BQ9187	Male 1/2" x 20NF - 1/4" Tube	4

## Banjo Bolts

BQ7007

PART NO.	DESCRIPTION	QTY.
BQ8086	M10 x 1.5 L = 23mm	4
BQ8087	M11 x 1.25 L = 23mm	4
BQ8088	M10 x 1.5 L = 29mm	4
BQ8089	7/16" x 20NF L = 15/16"	4
BQ8090	7/16" x 24NS L = 1-1/16"	4
BQ8092	M12 x 1.5 L = 25mm	4
BQ8093	3/8" x 24NF L = 1"	6
BQ8095	M10 x 1 L = 22mm	6
BQ8096	7/16" x 20NF L = 1-1/16"	4
BQ8097	1/2" x 20NF L = 1-3/16"L	4
BQ8098	M12 x 1 L = 21mm	4
BQ8099	M10 x 1.25 L = 25mm	4

## Female Tube Joiners

BQ7009

PART NO.	DESCRIPTION	QTY.
BQ110	3/8" x 24NF (IS)	4
BQ111	7/16" x 24NS (IS)	4
BQ112	1/2" x 20NF (IS)	4
BQ115	3/8" x 24NF (DPS)	4
BQ116	M12 x 1 (IS)	4
BQ117	M10 x 1 (IS)	4

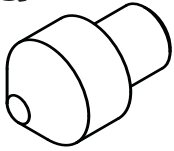
Brake Hose Plug Kit BQ7012 see page 66.

Test Adapter Kit BQ7013 see page 65.



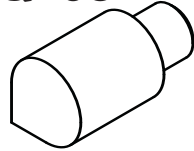
## TEST CONES

### BQ21



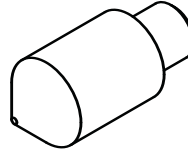
BQ21 Test Cone is designed as an aid for testing banjo fittings.

### BQ206

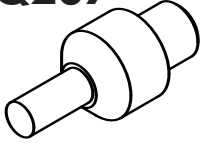


BQ206 and BQ206H are universal Test Cones for doing most general applications.

### BQ206H



### BQ207



BQ207 and BQ207H Test Cones are designed for testing female fittings with inverted seats.

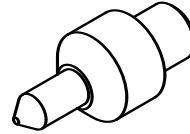
### BQ207H



### BQ206S

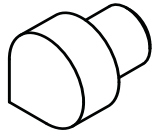


### BQ206HS



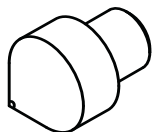
BQ206S and BQ206HS Test Cones are designed for testing female swivel fittings and female fittings with a drill point seat (DPS).

### BQ208



BQ208 and BQ208H Test Cone are designed for testing extra long fittings

### BQ208H



### Pressure Test Adapter Kit

PART NO.	QUANTITY	SIZE
BQ27	2	3/8"
BQ27H	2	3/8"
BQ28	2	10mm
BQ28H	2	10mm
BQ29	2	7/16"
BQ29H	2	7/16"
BQ30	2	12mm
BQ30H	2	12mm
BQ38	2	16mm
BQ38H	2	16mm
BQ39	2	15mm
BQ39H	2	15mm
BQ1020	1	3/8" - 5/8"

### Assortment Kit BQ7013

## SYSTEM AIDS

### BQ23



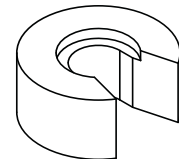
Fitting Test Spade

### BQ2001



Constriction Gauge

### BQ1021A



Rear Crimp Setting Tool

### BQ2005



Pro System  
Crimp Head Dust Cover

### BQ2008



Pro System  
Crimp Setting Tool

### BQ2009



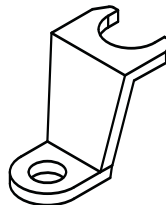
Pro System  
Rear Crimp Setting Tool

### BQ2010



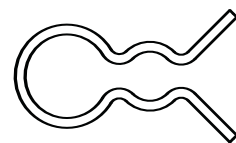
Countersink Drill Bit

### BQ37



Econo System  
Crimp Setting Spade

### BQ1014



Econo System  
Crimp Setting Clip

## BQ1020



### Banjo Blocking-Off Tool

A professional tool for blocking-off banjo fittings – Ideal for blocking off brake hoses with banjo fittings during maintenance & trouble shooting. Copper Washer sealing surfaces allows for sealing high pressures – Easy to use & reliable - Fits banjos holes 3/8" to 5/8".

## BQ1022



### Fitting Pressure Test Adapter

Ideal for pre-testing reworked fittings.

## Fitting Plugs

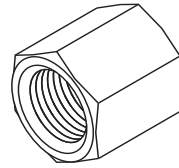
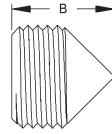
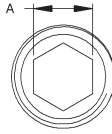
The ideal fitting for blanking off high pressure fluid ports. Fitting design has a universal seat so no sealing compounds necessary.

### FEATURES:

- Zinc plated for corrosion resistance
- Imperial & Metric Threads

Assortment kit available.

To order see Part No. BQ7012.



PART NO.	DESCRIPTION	THREAD	A	B
<b>BQ18</b>	Male Plug	M10 x 1	5mm	10mm
<b>BQ19</b>	Male Plug	3/8" x 24NF	3/16"	10mm
<b>BQ26</b>	Male Plug	7/16" x 24NS	1/4"	11mm
<b>BQ160</b>	Female Plug	3/8" x 24NF	1/2"	15mm
<b>BQ161</b>	Female Plug	7/16" x 24NS	9/16"	15mm
<b>BQ162</b>	Female Plug	7/16" x 20NF	9/16"	15mm
<b>BQ163</b>	Female Plug	1/2" x 20NF	16mm	16mm
<b>BQ164</b>	Female Plug	M10 x 1	13mm	15mm
<b>BQ165</b>	Female Plug	M10 x 1.25	13mm	15mm
<b>BQ166</b>	Female Plug	M12 x 1	16mm	16mm
<b>BQ167</b>	Female Plug	M12 x 1.5	16mm	16mm

## BQ22A



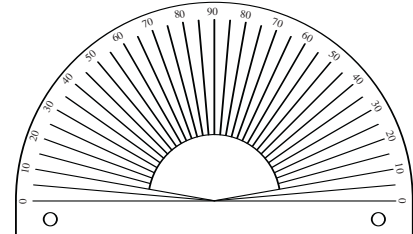
Part A – Banjo Bending Bar

## BQ22B



Part B – Banjo Holder

## BQ2033



### Bench Mounted Angle Gauge

Can be bench mounted – Ideal for aligning tubes and fittings.

## “The” Automotive Thread Gauge

Instantly identifies at least 95% of brake plumbing threads.

### Check Threads in an Instant...Accurately:

- Includes the 8 most popular sizes used on braking systems
- Includes both male & female size gauging
- Comes in sturdy black plastic case
- All threads are hardened for long life
- Male thread gauge is designed with a seat so you're able to use it as a plug



## BQ2100

IMPERIAL	METRIC
3/8" x 24 NF	M10 x 1
7/16" x 24 NS	M10 x 1.25
7/16" x 20 NF	M12 x 1
1/2" x 20 NF	M12 x 1.5

**Pre-fluxed Brazing Rods**



**BQ33**

A brazing rod for the professional brazing of steel, stainless or brass – Designed for brazing high pressure fittings – Convenient pre-fluxed rod makes it a breeze to braze (No flux required) – Contains 56% silver and no Cadmium for safe use. (1/4 lb. - 8 rods per pack)

**Lubricants**



**W893106**

**High Pressure Grease Lubricant**

A high pressure & high temperature grease lubricant in a 500ml aerosol can, ideal for getting into hard to get at places. High adhesive strength & water resistant – comes with a directional nozzle for easy application. Suitable for extreme pressure applications.

**W893550**



**Teflon Dry Lubricant**

A Teflon Dry Lube in a 300ml aerosol can. A transparent lubricant that suits most surfaces & dry to the touch - Ideal for applications where you need the lubrication but not the mess.

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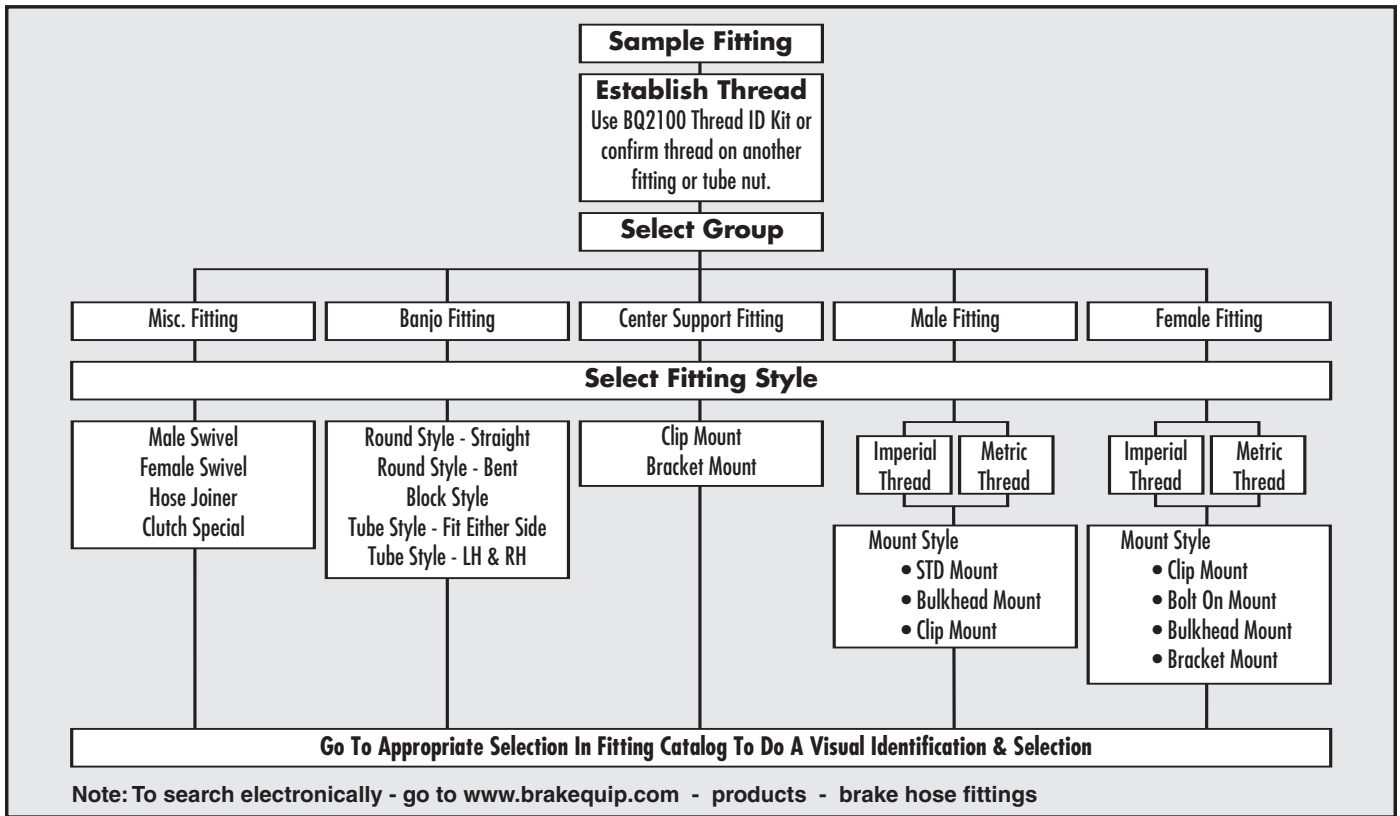
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# Identify Fittings



## Hose Fitting Numbering System

HF = Hose Fitting (These two letters are used for computer number finding only.)  
 Fittings that don't fall into one of the categories below have the prefix HF only.

ABBREVIATION	DESCRIPTION
IM	Imperial Male
MM	Metric Male
IF	Imperial Female
MF	Metric Female
B	Banjo
C	Center Support
IFX	Imperial Female with an external thread mount
MFX	Metric Female with an external thread mount

**NOTE:** Imperial = American Standard

PREFIX	DESCRIPTION	EXAMPLE
HF01 – HF__	Hose Fittings of a Miscellaneous Nature	
HFIM01 – HFIM__	Male Fittings (Imperial Thread)	
HFMM01 – HFMM__	Male Fittings (Metric Thread)	
HFIF01 – HFIF__	Female Fittings (Imperial Thread)	
HFMF01 – HFMF__	Female Fittings (Metric Thread)	
HFBO1 – HFBO__	Banjo Fittings	
HFC01 – HFC__	Center Support Fittings	
HFIFX01 – HFIFX__	Female Imperial Thread (External Thread)	
HFMTX01 – HFMTX__	Female Metric Thread (External Thread)	
BQ	Any items that are not a crimpable hose fitting	

**Identifying the Correct Thread**

Worldwide there are only two measuring systems – Metric and Imperial. Some times the imperial measurement is called SAE or American.

Metric systems measure the thread by the distance between two thread pitches expressed in millimeters.

Example: M10 x 1 = The OD of the thread is 10mm and the distance between each thread pitch is 1mm.

Imperial systems measure the number of thread pitches over a one inch length.

Example: 7/16 x 24NS = The OD of the thread is 7/16 and the number of thread pitches over a one inch length is 24.

After some experience of looking at threads a lot and knowing what vehicle the fitting came from, you will be able to determine fitting threads by just looking at them.

**Determining if the thread is metric or imperial.**

The easiest way is using a thread gauge. BrakeQuip offers a thread

identification kit (BQ2100) for this purpose and covers the majority of threads that you will encounter working with brake plumbing. Another method could be to use a brake hose fitting or tube nut from your stock that you can confirm the thread and size from.

If this fails do the following:

**1. Determining the fitting OD**

(a) If a male fitting – Measure the OD of the thread. Take into account that this measurement will be slightly under the nominal size. The one size that may trick you up here is 7/16". This will probably measure 11mm. This size is extremely rare so it will probably be the most common 7/16" size which is 7/16" x 24NS.

(b) If a female fitting – Measure the ID of the thread. Compare this measurement at the distance between the “valleys” of opposing pitches with corresponding male fittings.

**2. Determining the thread pitch**

If it is an imperial size – Count the number of thread pitches over say 1/2" length and then multiply by 2 to get your T.P.I (Threads per Inch)

If is an metric size – Measure the distance between two thread pitches to determine the thread pitch.

**Imperial Threads found on braking systems**

3/8 x 24NF    7/16 x 24NS    9/16 x 20NS  
3/8 x 20BSF    1/2 x 20NF  
7/16 x 20NF    9/16 x 18NF

**Metric Threads found on braking systems**

M9 x 1	M10 x 1.5	M12 x 1.25
M10 x 1	M11 x 1.25	M12 x 1.5
M10 x 1.25	M12 x 1	M14 x 1.5

**Abbreviations**

NF = National Fine

NS = National Special

BSF = British Standard Fine

**Checking the Thread Type**

Male & female threads can be checked using the BrakeQuip Thread Gauge #BQ2100



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POSTCARDS

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 BRAKE HOSE MANUFACTURING SYSTEMS  
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**Brake Hose Cross Reference Catalog**

**BQB-03**  
**BrakeQuip**  
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**Brake Hose Build Catalog**

**BQAP-026**  
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- ✓ Original quality

**Checking and Testing for Faulty Brake Hoses**

Brake professionals determine the safe working life of a brake hose by visual inspection and "feeling" the hose.

**The Correct Method To Test Brake Hoses**

1. Have the engine running for maximum boost
2. Have someone pump the brake pedal while someone else inspects the hose

**Visual Inspection of Hose and Installation**

1. Check for the correct size of the hose
2. Check for the correct routing of the hose
3. Check for the correct fitting on the hose
4. Check for the correct routing of the hose
5. Check for the correct routing of the hose
6. Check for the correct routing of the hose

**Inspecting the Hose through "Feel"**

1. The hose may get the "feel" to feel a new hose feel
2. The hose may feel soft and spongy
3. The hose may feel hard and brittle
4. The hose may feel like it has a kink or bend
5. The hose may feel like it has a lump or bump
6. The hose may feel like it has a hole or tear

Brake hoses with the conditions above are past their safe working life and should be replaced.

Generally brake hoses on a vehicle deteriorate at the same rate. If one brake hose is found to be faulty, all hoses should be replaced.

CATALOGS

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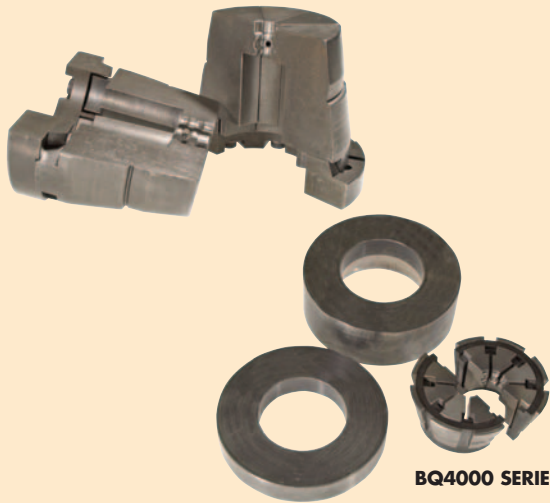
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