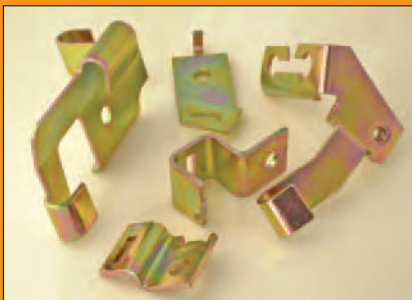


BrakeQuip

BRAKE HOSE MANUFACTURING SYSTEMS

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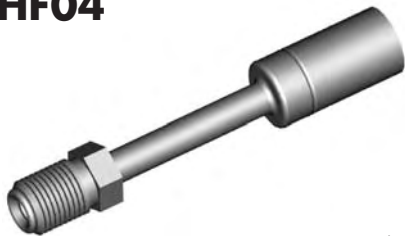
CAUTION: Illustrations shown in this reference guide may vary slightly in detail from actual parts due to manufacturer's tolerances and design differences. Note: Illustrations not to scale.

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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 |

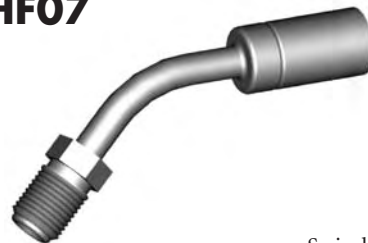
HF06



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 |

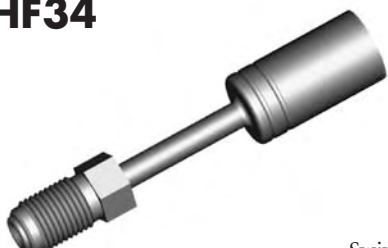
HF33



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

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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

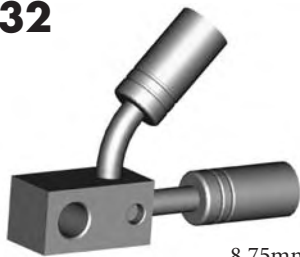
Swivel
No. 2 JIC

| 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

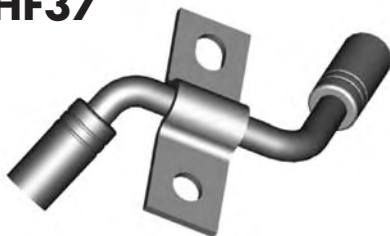
HF32



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 |

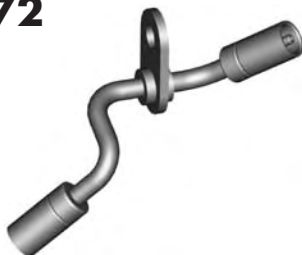
CENTER JOINER

HF71



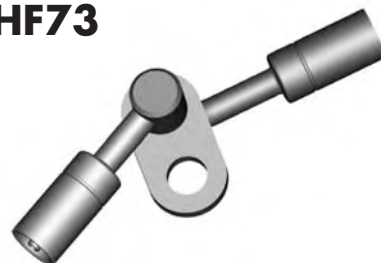
| THREAD | FLARE | TUBE SIZE | OAL | FITS |
|--------|-------|-----------|-------|------|
| | | | 130mm | A |

HF72



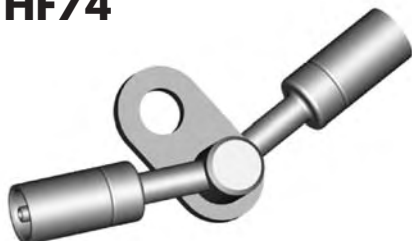
| THREAD | FLARE | TUBE SIZE | OAL | FITS |
|--------|-------|-----------|-------|------|
| | | | 130mm | A |

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 |

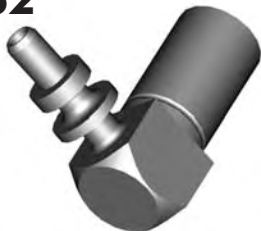
CLUTCH SPECIAL

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



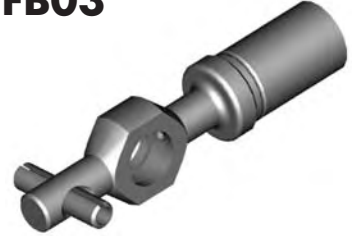
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|-------|-------|------|------|
| 10mm | 8mm | 17mm | - | 54mm | V |

HFB02



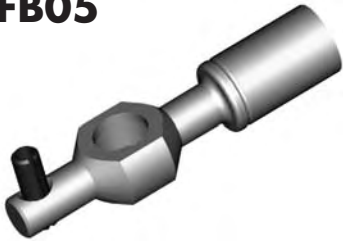
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|-------|-------|------|------|
| 10mm | 10mm | 18mm | - | 64mm | A |

HFB03



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

HFB05



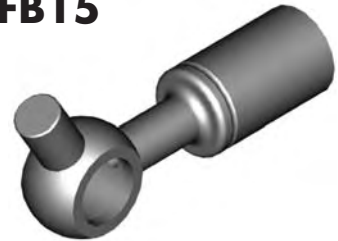
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|-------|-------|------|------|
| 10mm | 10mm | 17mm | - | 65mm | A |

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 |

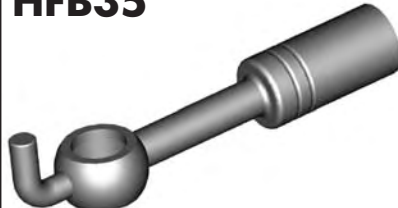
HFB34



Bendable

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

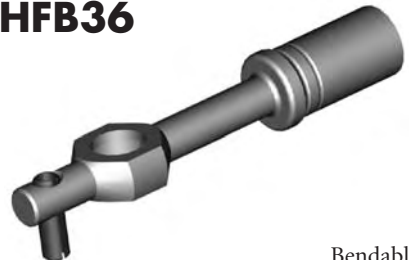
HFB35



Bendable

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

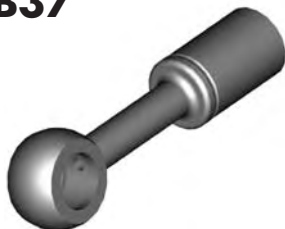
HFB36



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

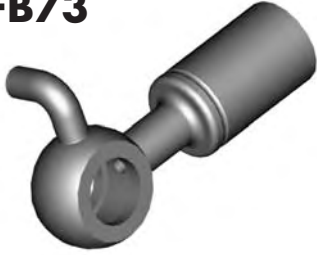
UNI = Universal

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 |

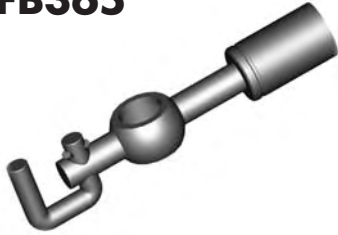
HFB352



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



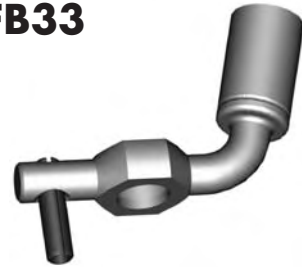
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|-------|-------|------|------|
| 10mm | 10mm | 17mm | 25° | 68mm | A |

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

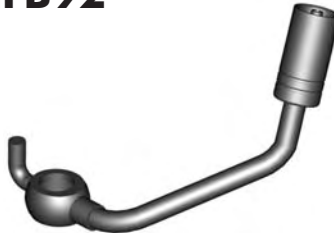
HFB75



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

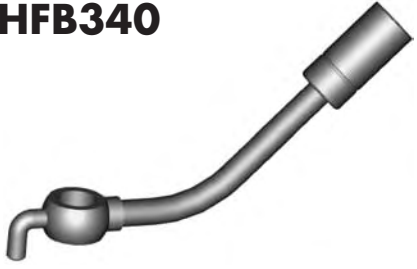
UNI = Universal

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 |

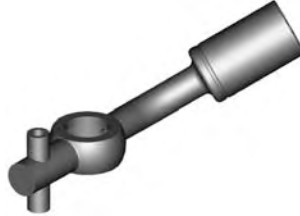
HFB389



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

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



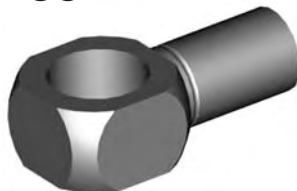
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|-------|-------|------|------|
| 10mm | 13mm | 20mm | 20° | 55mm | US |

HFB16



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

HFB38



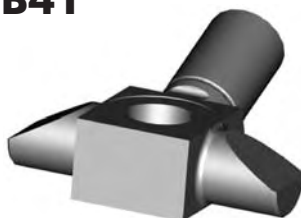
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|--------|-------|------|------|
| 16mm | 14mm | 22.2mm | - | 44mm | US |

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



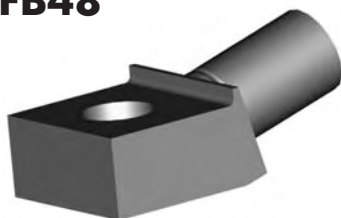
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|--------|-------|------|------|
| 10mm | 11mm | 19.6mm | 10° | 47mm | US |

HFB46



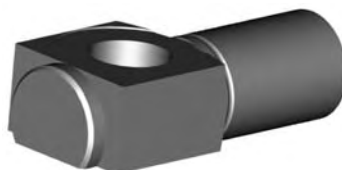
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|--------|-------|------|------|
| 10mm | 11mm | 17.6mm | 10° | 44mm | US |

HFB48



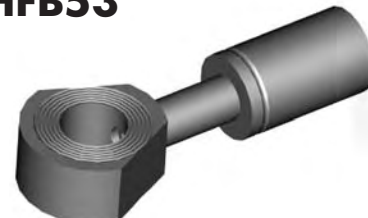
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|-------|-------|--------|-------|------|------|
| 7/16" | 1/2" | 25.5mm | 15° | 49mm | US |

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 |

BLOCK STYLE

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



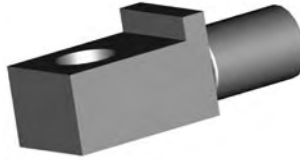
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|--------|-------|-------|------|------|
| 10mm | 11.7mm | 26mm | | 45mm | US |

HFB57



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

HFB59



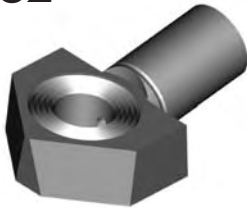
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|-------|--------|--------|-------|------|------|
| 7/16" | 14.8mm | 19.5mm | - | 52mm | US |

HFB60



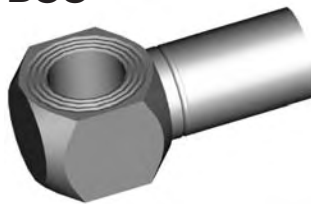
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|-------|--------|-------|-------|------|------|
| 7/16" | 11.5mm | 20mm | 10° | 46mm | V |

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



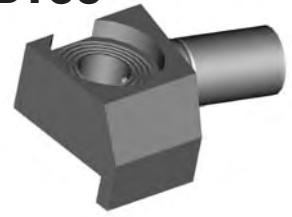
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|-------|-------|------|------|
| 12mm | 8mm | 19mm | - | 51mm | EU |

HFB112



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

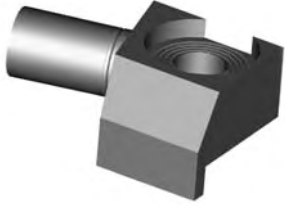
HFB133



Right

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

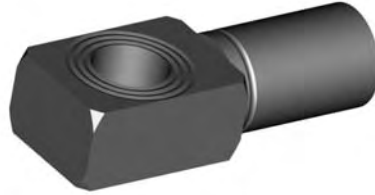
HFB134



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



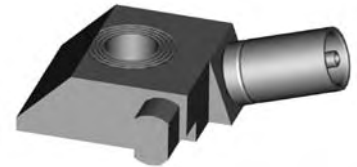
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|--------|-------|-------|------|------|
| 12mm | 11.5mm | 20mm | 10° | 50mm | EU |

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 |

BLOCK STYLE

A = Asian

EU = European

US = United States

UNI = Universal

V = Various

BANJO FITTINGS

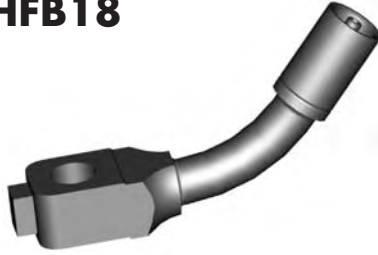
TUBE STYLE - EITHER SIDE

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



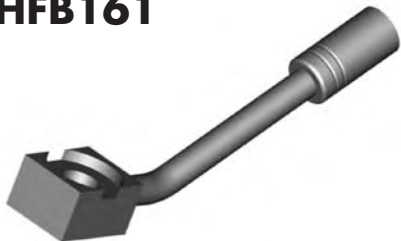
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|-------|-------|-------|------|
| 3/8" | 1/2" | 25mm | 85° | 131mm | US |

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



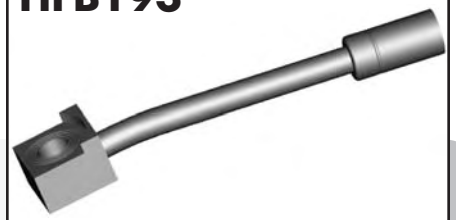
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|--------|-------|-------|------|
| 3/8" | 1/2" | 22.2mm | | 165mm | US |

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



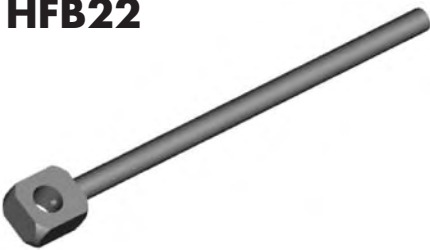
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|--------|-------|-------|------|------|
| 10mm | 11.5mm | 19mm | 10° | 82mm | V |

HFB379



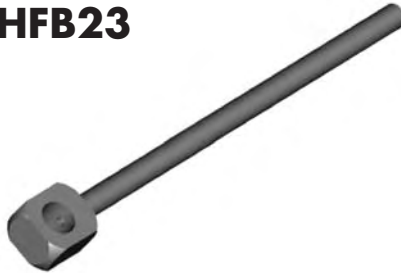
| HOLE | THICK | WIDTH | ANGLE | OAL | FITS |
|------|-------|-------|-------|------|------|
| 12mm | 8.5mm | 19mm | 30° | 60mm | EU |

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 |

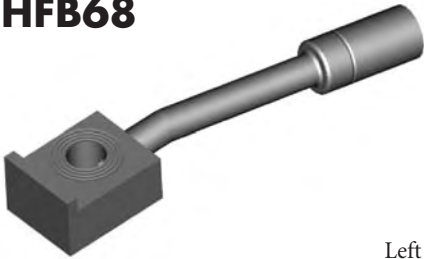
HFB52



Right

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

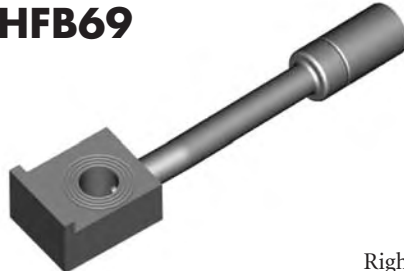
HFB68



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 |

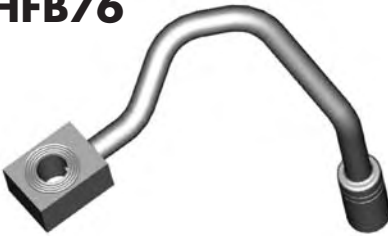
HFB74



Left

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

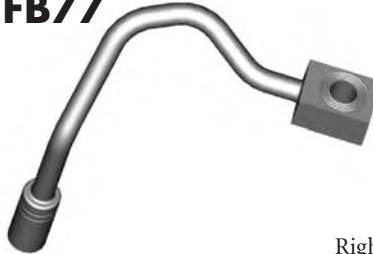
HFB76



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 |

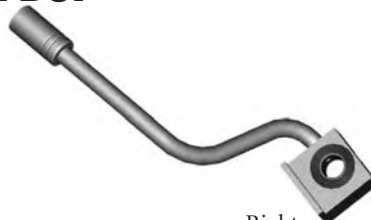
HFB86



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



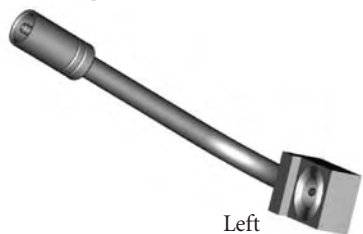
Right

| 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 |

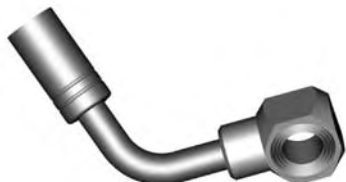
HFB103



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 |

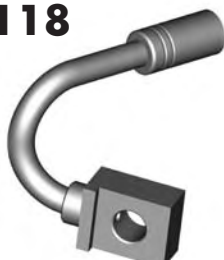
HFB117



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 |

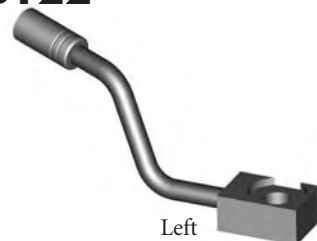
HFB121



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 |

TUBE STYLE - LEFT/RIGHT

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 |

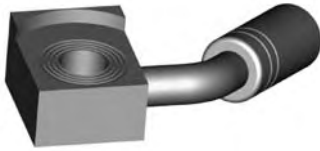
HFB125



Left

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

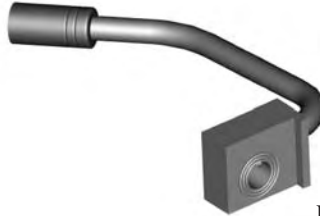
HFB126



Right

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

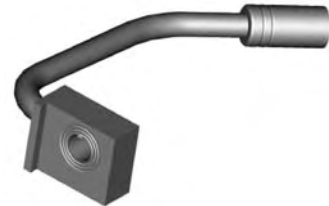
HFB127



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 |

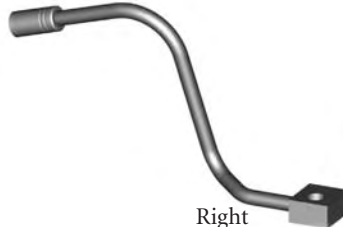
HFB129



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 |

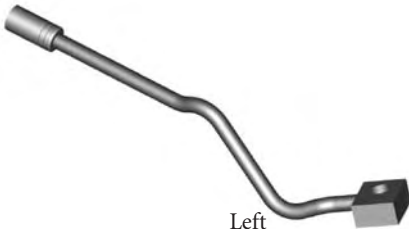
HFB131



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 |

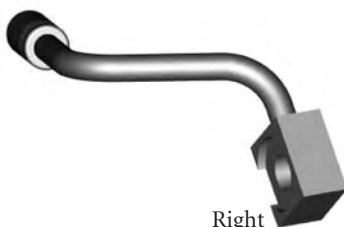
HFB136



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 |

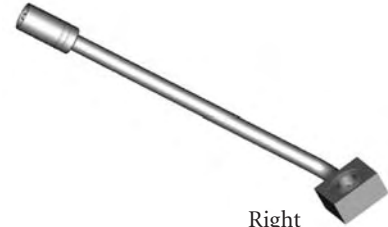
HFB143



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 |

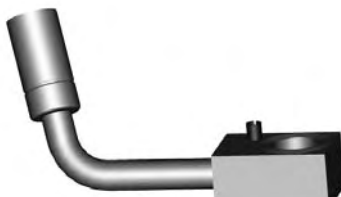
HFB176



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 |

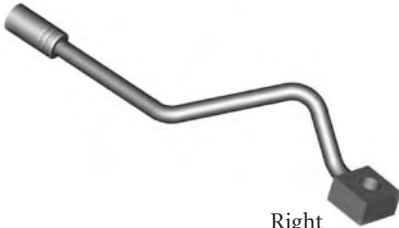
HFB315



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 |

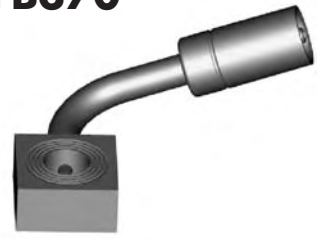
HFB369



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

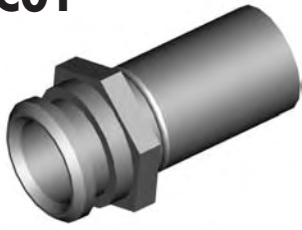
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CENTER SUPPORT FITTINGS

HFC01



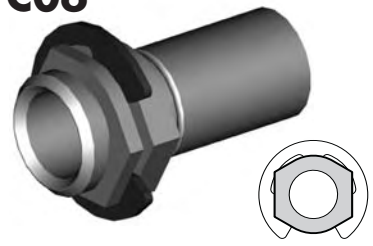
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 17mm | 33mm | A |

HFC02



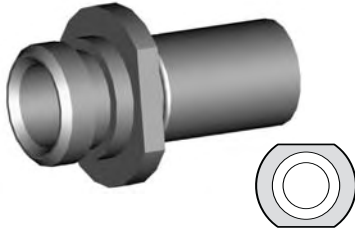
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 17mm | 34mm | A |

HFC06



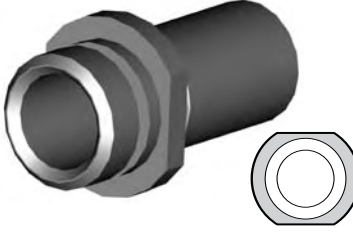
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 17mm | 34mm | A |

HFC07



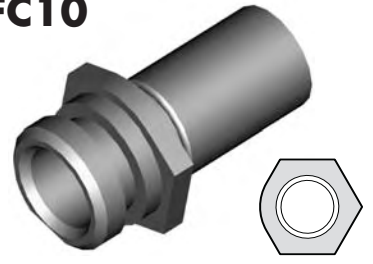
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 19mm | 35mm | A |

HFC09



| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 17mm | 34mm | A |

HFC10



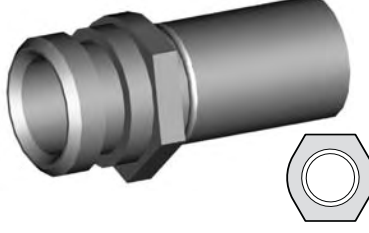
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 19mm | 35mm | A |

HFC11



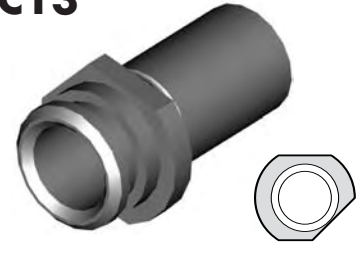
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 19mm | 37mm | A |

HFC12



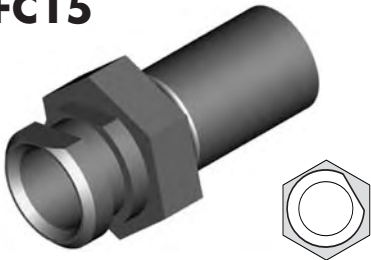
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 17mm | 35mm | A |

HFC13



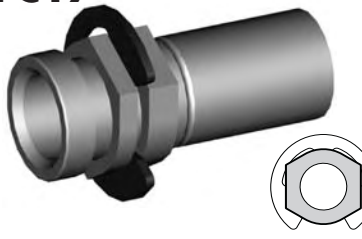
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 17mm | 33mm | A |

HFC15



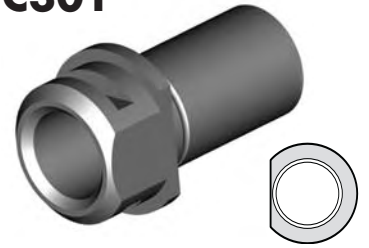
| MATERIAL | WIDTH | OAL | FITS |
|----------|-------|------|------|
| Steel | 19mm | 37mm | A |

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

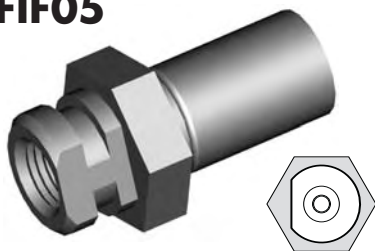
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 17mm | 38mm | V |

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



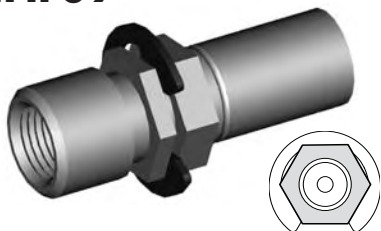
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 16mm | 41mm | US |

HFIF08



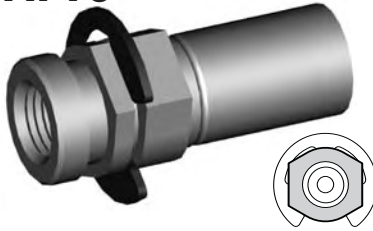
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 16mm | 41mm | US |

HFIF09



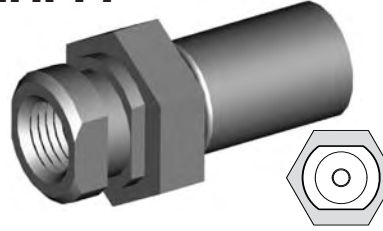
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 7/16NS | Inverted | Clip | 16mm | 45mm | US |

HFIF10



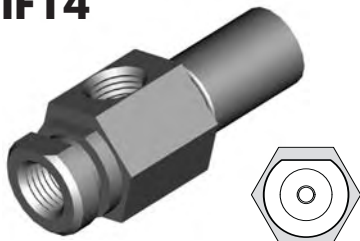
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 16mm | 39mm | US |

HFIF11



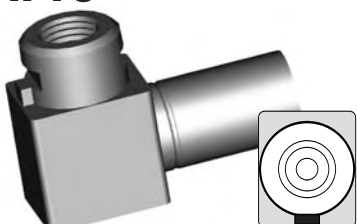
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 19mm | 38mm | V |

HFIF14



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

HFIF18



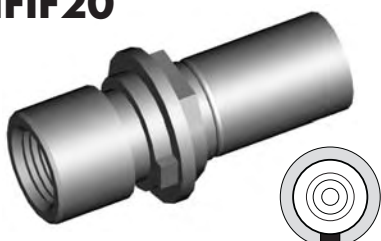
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|-----|------|------|
| 3/8NF | Inverted | Clip | | 41mm | US |

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

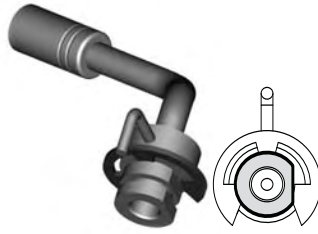
CLIP MOUNT

HFIF26



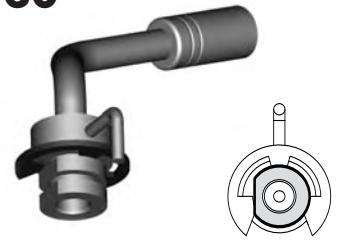
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 16mm | 40mm | US |

HFIF29



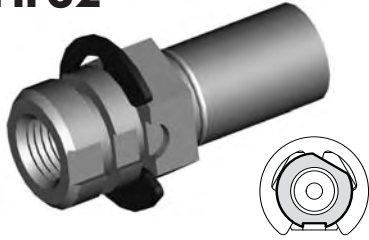
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|-----|------|------|
| 3/8NF | Inverted | Clip | | 78mm | US |

HFIF30



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

HFIF32



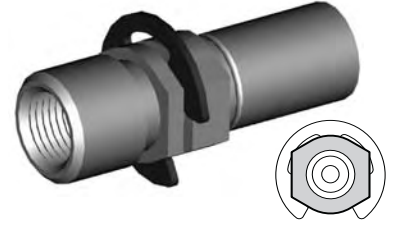
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 17mm | 41mm | US |

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



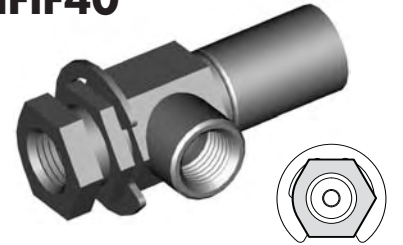
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 16mm | 39mm | US |

HFIF38



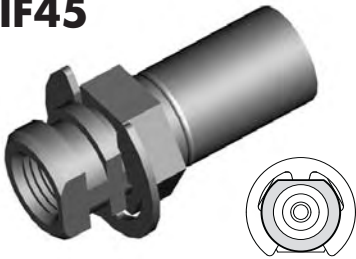
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 17mm | 40mm | US |

HFIF40



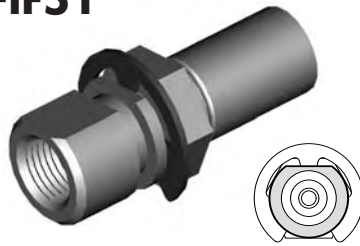
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|-----------|----------|-------|------|------|------|
| 3/8NF x 2 | Inverted | Clip | 16mm | 48mm | US |

HFIF45



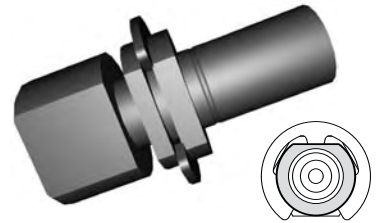
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 16mm | 39mm | US |

HFIF51



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

HFIF63



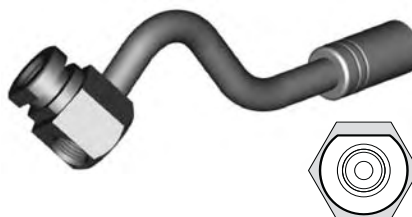
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|-----|------|------|
| 1/2NF | Inverted | Clip | | 47mm | US |

HFIF64



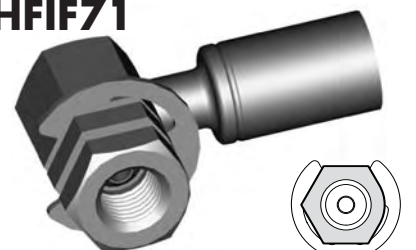
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|-----------|----------|-------|------|-------|------|
| 3/8NF x 2 | Inverted | Clip | 19mm | 137mm | US |

HFIF65



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

HFIF71



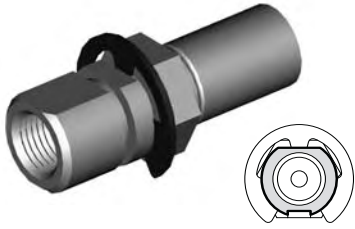
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 16mm | 45mm | US |

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

IMPERIAL FEMALE FITTINGS

CLIP MOUNT

HFIF72



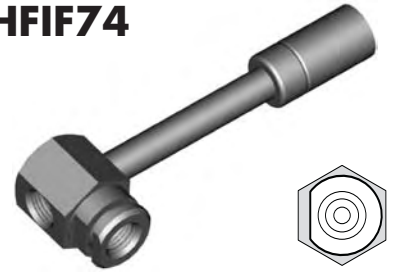
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 3/8NF | Inverted | Clip | 17mm | 47mm | US |

HFIF73



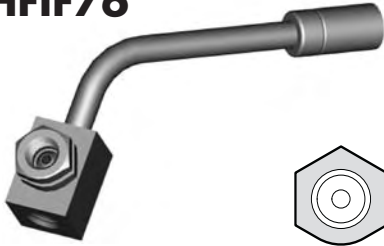
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|------|------|------|
| 7/16NS | Inverted | Clip | 17mm | 47mm | US |

HFIF74



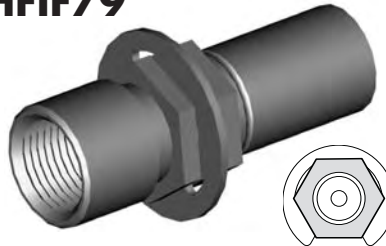
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|-----------|----------|-------|------|------|------|
| 3/8NF x 2 | Inverted | Clip | 19mm | 92mm | US |

HFIF76



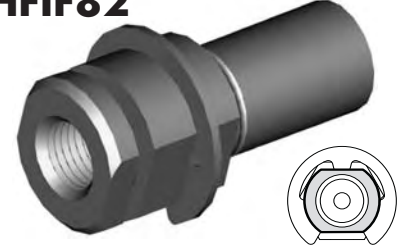
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|-----------|----------|-------|------|------|------|
| 3/8NF x 2 | Inverted | Clip | 16mm | 90mm | US |

HFIF79



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

HFIF82



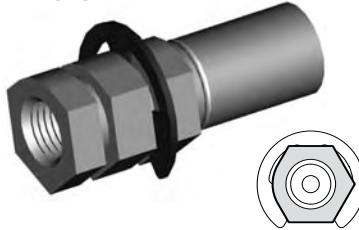
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|--------|----------|-------|-----|------|------|
| 3/8NF | Inverted | Clip | | 40mm | US |

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

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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 |

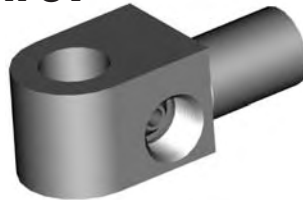
HFIF37



12mm Hole

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

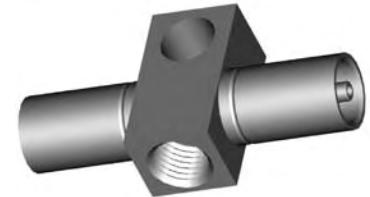
HFIF39



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 |

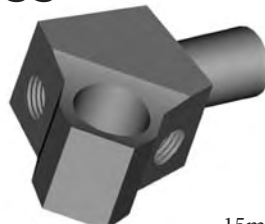
HFIF54



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 |

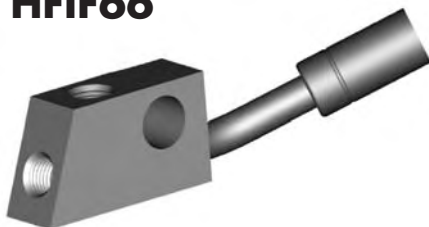
HFIF59



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

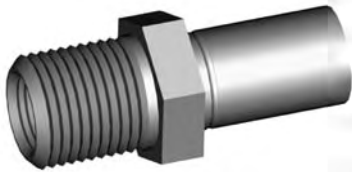
US = United States

UNI = Universal

V = Various

IMPERIAL FEMALE FITTINGS

HFIFX01



5/8NF External Thread

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

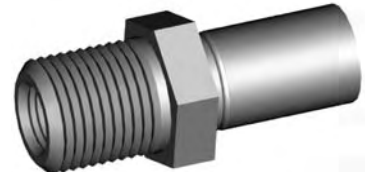
HFIFX02



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 |

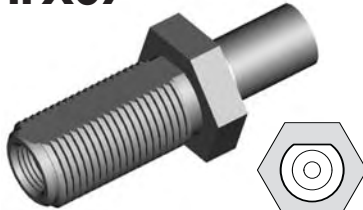
HFIFX06



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 |

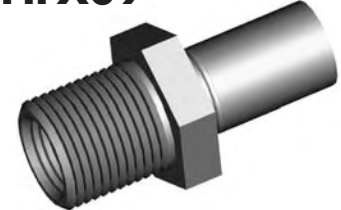
HFIFX08



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 |

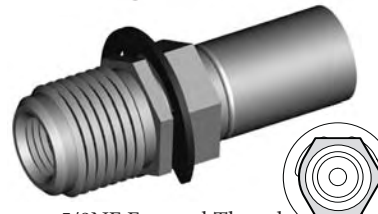
HFIFX14



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 |

BULKHEAD MOUNT

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



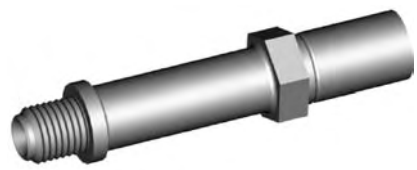
| THREAD | THREAD LENGTH | HEX | OAL | FITS |
|--------|---------------|------|------|------|
| 3/8NF | 13mm | 16mm | 68mm | V |

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 |

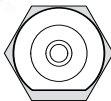
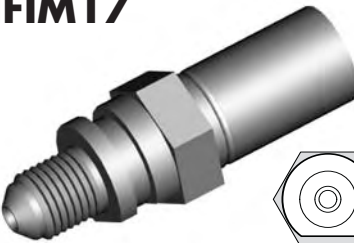
HFIM12



| 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

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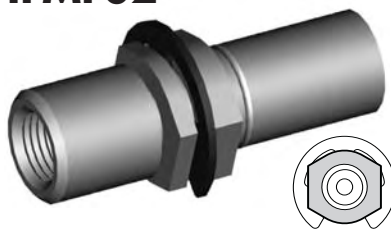
METRIC FEMALE FITTINGS

HFMF01



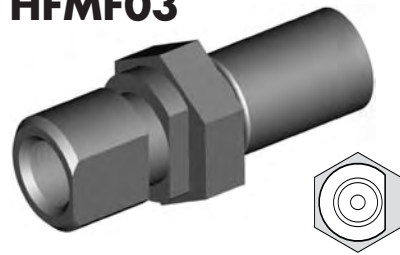
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | Clip | 17mm | 38mm | V |

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



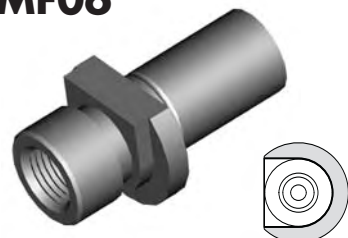
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | Clip | 17mm | 38mm | A |

HFMF05



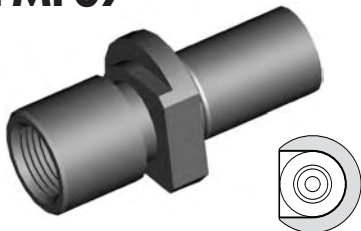
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|------|-------|------|------|------|
| M10 x 1 | DPS | Clip | 14mm | 38mm | EU |

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



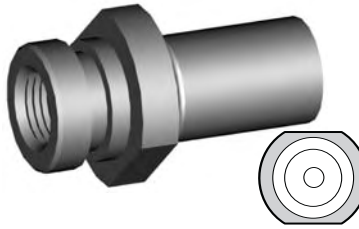
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|------------|----------|-------|------|------|------|
| M10 x 1.25 | Inverted | Clip | 17mm | 37mm | V |

HFMF10



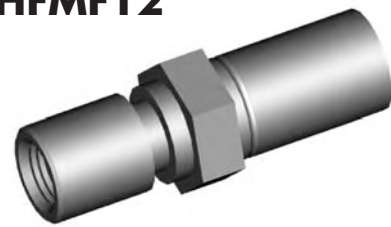
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M12 x 1 | Inverted | Clip | 19mm | 46mm | A |

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



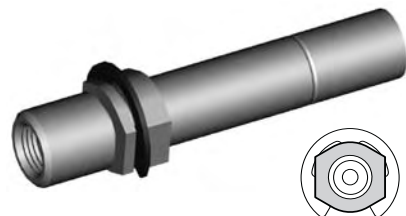
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|-----|------|------|
| M10 x 1 | Inverted | Clip | | 38mm | A |

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 |

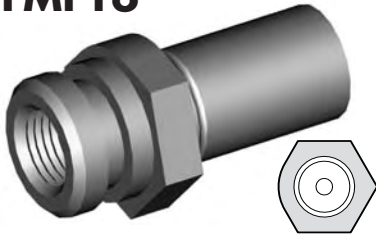
CLIP MOUNT

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

METRIC FEMALE FITTINGS

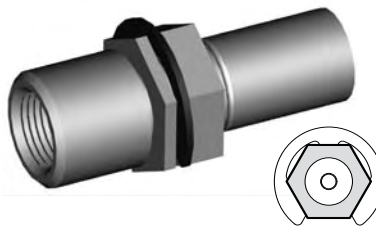
CLIP MOUNT

HFMF16



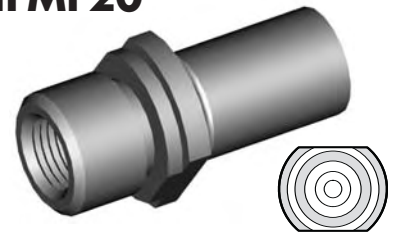
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | Clip | 19mm | 37mm | V |

HFMF19



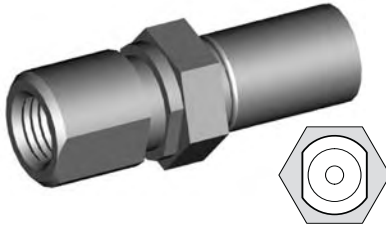
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M12 x 1 | Inverted | Clip | 19mm | 47mm | A |

HFMF20



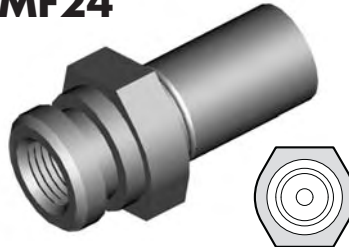
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | Clip | 17mm | 38mm | A |

HFMF21



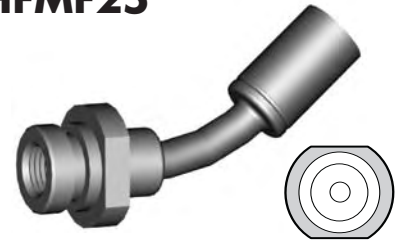
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|------------|------|-------|------|------|------|
| M10 x 1.25 | DPS | Clip | 17mm | 47mm | EU |

HFMF24



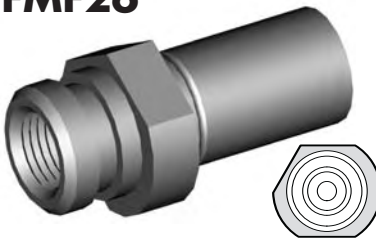
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|------|-------|------|------|------|
| M10 x 1 | DPS | Clip | 19mm | 38mm | V |

HFMF25



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

HFMF26



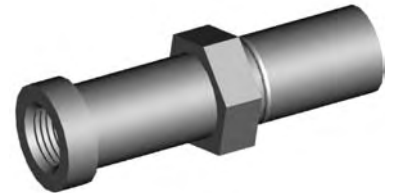
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | Clip | 17mm | 38mm | A |

HFMF28



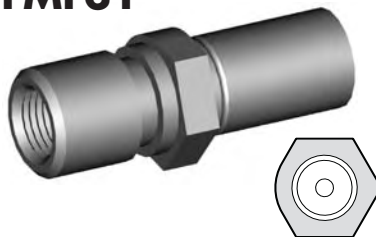
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | Clip | 17mm | 37mm | V |

HFMF29



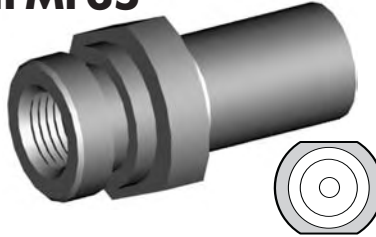
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | | 17mm | 54mm | A |

HFMF31



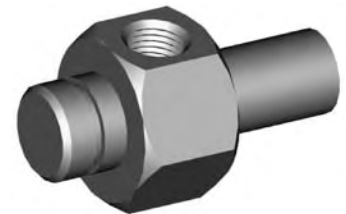
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | Clip | 17mm | 45mm | V |

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



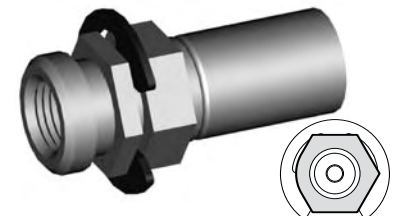
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|-----------|----------|-------|------|------|------|
| M10x1-(2) | Inverted | Clip | 26mm | 50mm | A |

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 |

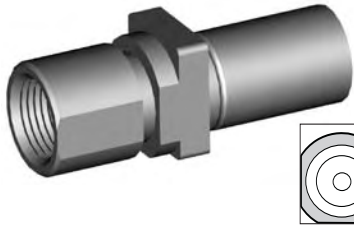
METRIC FEMALE FITTINGS

HFMF42



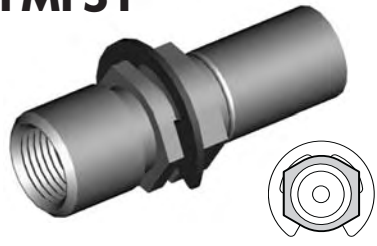
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|-----|------|------|
| M12 x 1 | Inverted | Clip | | 57mm | US |

HFMF43



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

HFMF51



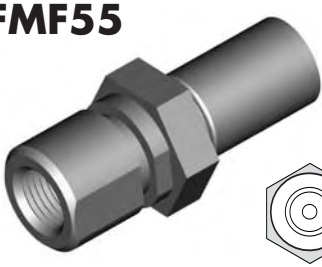
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|------|-------|------|------|------|
| M12 x 1 | DPS | Clip | 16mm | 47mm | US |

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



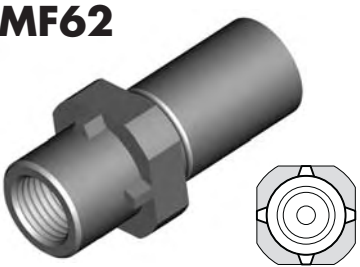
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|------|-------|------|------|------|
| M10 x 1 | DPS | Clip | 17mm | 54mm | V |

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



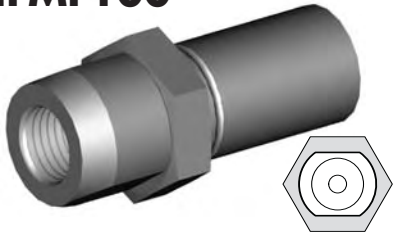
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|-------|------|------|------|
| M10 x 1 | Inverted | Clip | 16mm | 37mm | US |

CLIP MOUNT

METRIC FEMALE FITTINGS

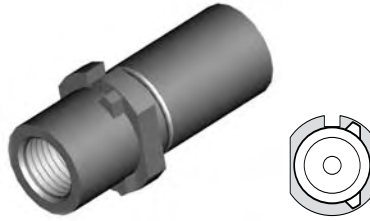
CLIP MOUNT

HFMF100



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

HFMF305



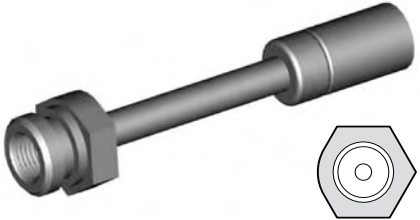
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|------|-------|------|------|------|
| M10 x 1 | DPS | Clip | 15mm | 37mm | EU |

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



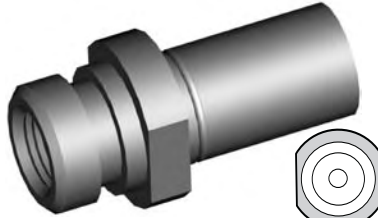
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|------|-------|------|------|------|
| M10 x 1 | DPS | Clip | 17mm | 36mm | A |

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

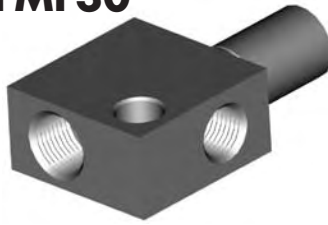
HFMF18



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 |
|------------|----------|--------|-------|------|------|
| M12x1-10x1 | Inverted | Bolted | 8.5mm | 54mm | A |

HFMF48

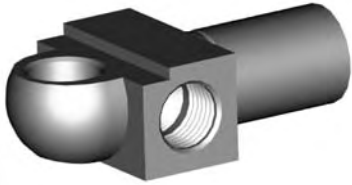


8.75mm Hole

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

BOLT ON MOUNT

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 |

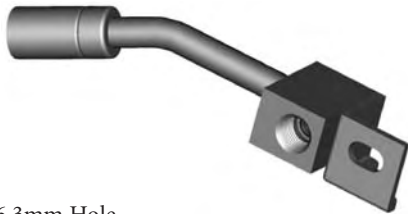
HFMF322



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

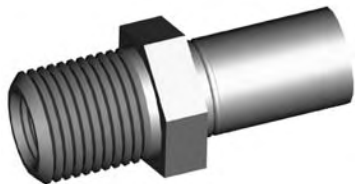


6.3mm Hole

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

BULKHEAD MOUNT

HFMFX01



5/8NF External Thread

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

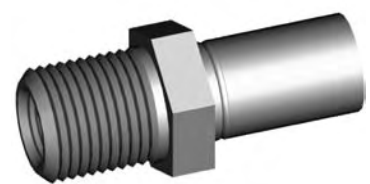
HFMFX02



5/8NF External Thread

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

HFMFX04



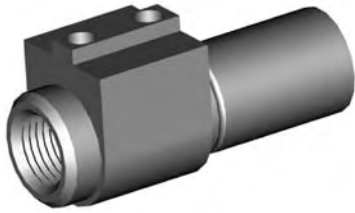
5/8NF External Thread

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

METRIC FEMALE FITTINGS

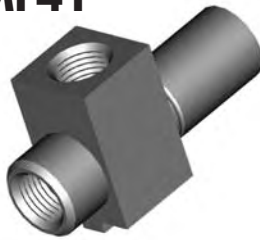
BRACKET MOUNT

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



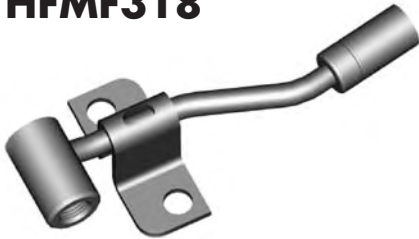
| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|------|---------|-----|------|------|
| M12 x 1 | DPS | Bracket | | 48mm | US |

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

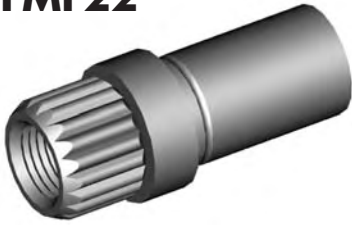


| THREAD | SEAT | MOUNT | HEX | OAL | FITS |
|---------|----------|---------|-----|------|------|
| M10 x 1 | Inverted | Bracket | | 45mm | A |

METRIC FEMALE FITTINGS

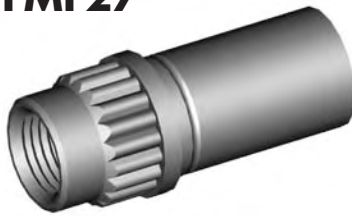
SPLINE MOUNT

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

GOODYEAR
RUBBER PRODUCTS INC.

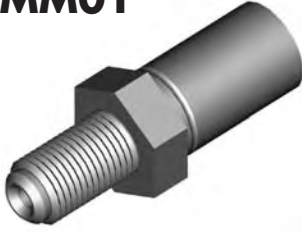
Call Toll Free: **1-866-711-4673**
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**We Ship
World Wide**

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

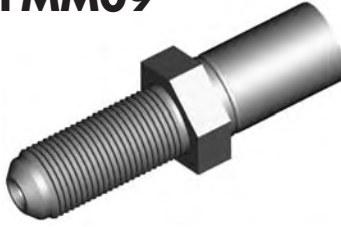
METRIC MALE FITTINGS

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 |

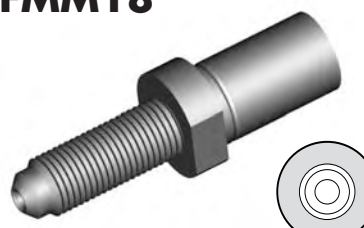
BULKHEAD MOUNT

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

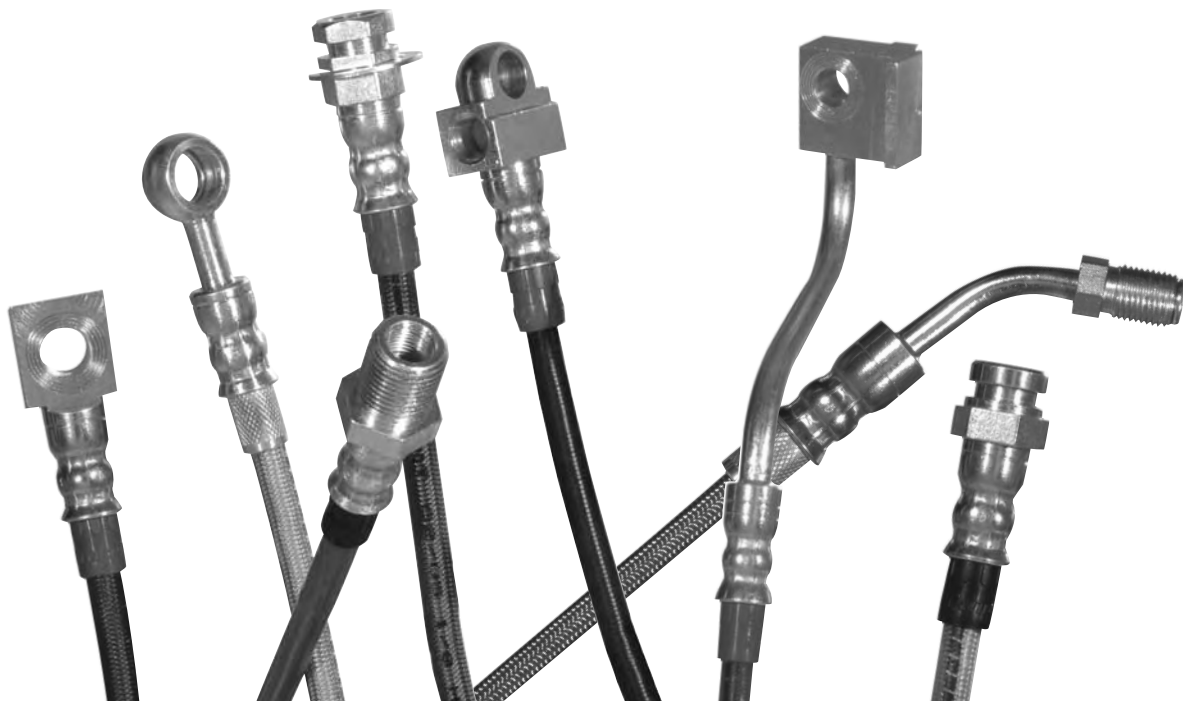
EU = European

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. |
|----------|----------|-----------|-----------|-----------|
| HF04CC | HFB27CC | HFC10CC | HFIFX02CC | HFMF28CC |
| HF06CC | HFB28CC | HFC12CC | HFIM01CC | HFMF31CC |
| HF07CC | HFB34CC | HFC13CC | HFIM02CC | HFMF35CC |
| HF09CC | HFB35CC | HFC17CC | HFIM03CC | HFMF38CC |
| HF10CC | HFB36CC | HFIF01CC | HFIM13CC | HFMF39CC |
| HF11CC | HFB37CC | HFIF02CC | HFIM19CC | HFMF50CC |
| HF12CC | HFB40CC | HFIF05CC | HFMF01CC | HFMF51CC |
| HF13CC | HFB47CC | HFIF07CC | HFMF02CC | HFMF100CC |
| HF14CC | HFB82CC | HFIF08CC | HFMF03CC | HFMFX01CC |
| HF15CC | HFB83CC | HFIF09CC | HFMF04CC | HFMFX04CC |
| HF16CC | HFB100CC | HFIF10CC | HFMF05CC | HFMM01CC |
| HF17CC | HFB101CC | HFIF19CC | HFMF06CC | HFMM02CC |
| HF34CC | HFB150CC | HFIF32CC | HFMF08CC | HFMM03CC |
| HF35CC | HFB306CC | HFIF33CC | HFMF09CC | HFMM04CC |
| HFB01CC | HFB307CC | HFIF34CC | HFMF11CC | HFMM05CC |
| HFB02CC | HFC02CC | HFIF35CC | HFMF14CC | HFMM06CC |
| HFB09CC | HFC04CC | HFIF36CC | HFMF15CC | HFMM11CC |
| HFB10CC | HFC05CC | HFIF45CC | HFMF16CC | |
| HFB12CC | HFC06CC | HFIF51CC | HFMF20CC | |
| HFB13CC | HFC07CC | HFIF301CC | HFMF24CC | |
| HFB14CC | HFC09CC | HFIFX01CC | HFMF26CC | |

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V = Various

GOODYEAR
RUBBER PRODUCTS INC.

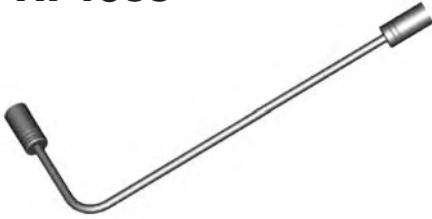
Call Toll Free: 1-866-711-4673
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World Wide**

HARLEY DAVIDSON FITTINGS

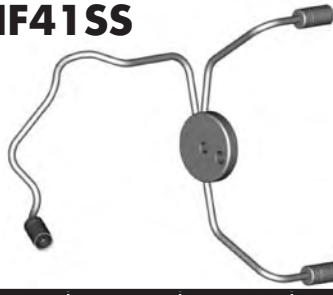
JOINERS

HF40SS



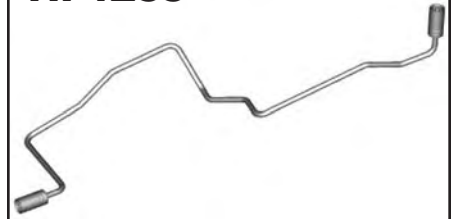
| THREAD | FLARE | TUBE SIZE | OAL |
|--------|-------|-----------|-------|
| | | 3/16" | 225mm |

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



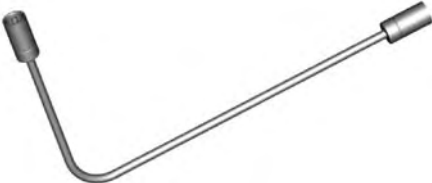
| THREAD | FLARE | TUBE SIZE | OAL |
|--------|-------|-----------|-------|
| | | 3/16" | 290mm |

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 |

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 |

SWIVELS

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



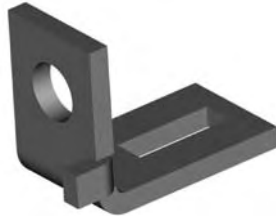
| LOCATION | HOLE | FITS |
|----------|-------|------|
| Right | 9.6mm | US |

BQB20



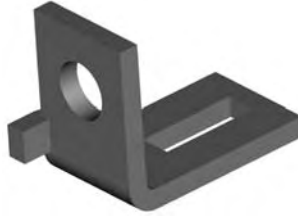
| LOCATION | HOLE | FITS |
|----------|------|------|
| Either | 9mm | US |

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

A = Asian EU = European US = United States UNI = Universal 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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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 |

A = Asian EU = European US = United States 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



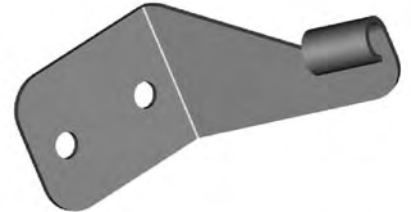
| LOCATION | HOLE | FITS |
|----------|-------|------|
| Right | 9.2mm | US |

BQB74



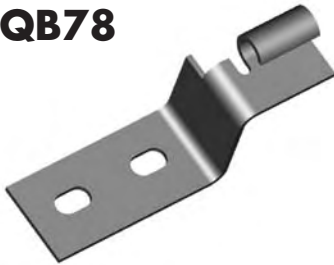
| LOCATION | HOLE | FITS |
|----------|-------|------|
| Left | 8.8mm | US |

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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UNI = Universal

V = Various

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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UNI = Universal

V = Various

PLASTIC CLIPS

BQ65



BQ66



BQ67



BQ68



BQ69



BQ70



BQ97



BQ98



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EU = European

US = United States

UNI = Universal

V = Various

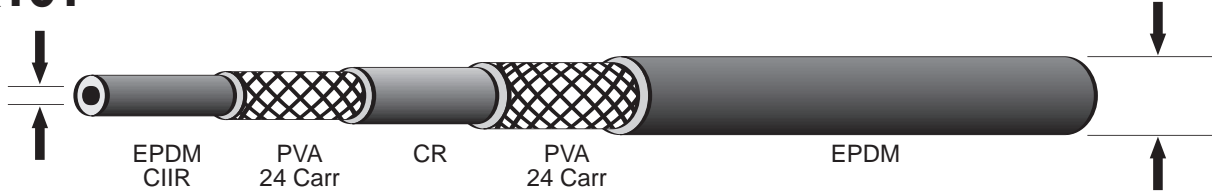
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Rubber Brake Hose

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



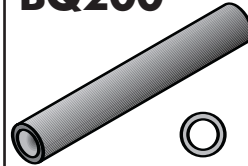
Fitting Shoulder Clips
(PKT 20)

BQ71



Bracket Retaining Screws
(PKT 50)

BQ200



Insulating Hose Thick
(10' Length)

BQ201



Insulating Hose Thin
(50' Length)

Rubber Brake Hose Cutter



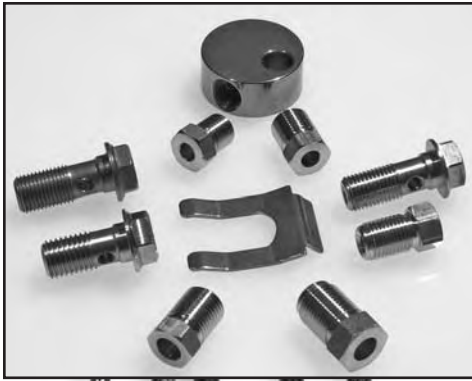
This heavy duty tool cuts hose clean & square every time - with ease. Blade is reversible for double life. Replacement blade available (BQ2101B).



BQ2004

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

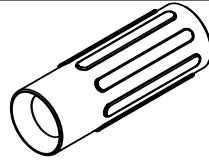
STAINLESS STEEL BRAIDED HOSE & ACCESSORIES



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 |
|-----------------|---|
| BQ56ASS | 3 Way Tube Tee - 3/8" x 24NF - 5/16" mount hole |
| BQ111SS | Female Tube Joiner - 7/16" x 24NS |
| BQ2577SS | Tube Nut Male (7/16" x 24NS - 1/4") |
| BQ3052SS | Brake Hose Retaining Clip |
| BQ4511SS | Tube Nut Male (M10 x 1 - 3/16") |
| BQ4513SS | Tube Nut Male (M12 x 1 - 1/4") |
| BQ5555SS | Tube Nut Male (3/8" x 24NF - 3/16") |
| BQ5842SS | Tube Nut Male (7/16" x 24NS - 3/16") |
| BQ8093SS | Banjo Bolt - 3/8" x 24NF x 1" L |
| BQ8095SS | Banjo Bolt - M10 x 1 x 1" L |
| BQ8099SS | Banjo Bolt - M10 x 1.25 x 1" L |
| HF01SS | Fitting - Lifesaver - 3/16" Countersink |
| HF06SS | Fitting - Male Swivel Nut 7/16" x 24NS (90°) |
| HF07SS | Fitting - Male Swivel Nut 7/16" x 24NS (45°) |
| HF09SS | Fitting - Female Swivel Nut 3/8" x 24NF (Straight) |
| HF10SS | Fitting - Female Swivel Nut 3/8" x 24NF (45°) |
| HF11SS | Fitting - Female Swivel Nut 3/8" x 24NF (90°) |
| HF12SS | Fitting - Female Swivel Nut 7/16" x 20NF (Straight) |
| HF13SS | Fitting - Female Swivel Nut 7/16" x 20NF (45°) |
| HF14SS | Fitting - Female Swivel Nut 7/16" x 20NF (90°) |
| HF15SS | Fitting - Male Swivel Nut 7/16" x 24NS |
| HF16SS | Fitting - Male Swivel Nut 3/8" x 24NF |
| HF17SS | Fitting - Male Swivel Nut 3/8" x 24NF (90°) |
| HF30SS | Fitting - 3/16" Compression |
| HF31SS | Fitting - 1/4" Compression |
| HF33SS | Fitting - Male Swivel Nut 3/8" x 24NF (45°) |
| HFB09SS | Fitting - Banjo 10 x 10mm |
| HFB34SS | Fitting - Banjo 10 x 8mm (Extra long Neck) |
| HFB37SS | Fitting - Banjo 10 x 10mm (Extra long Neck) |
| HFIF01SS | Fitting - Female 3/8" x 24NF |
| HFIF02SS | Fitting - Female 7/16" x 24NS |
| HFIM01SS | Fitting - Male 3/8" x 24NF Short |
| HFIM03SS | Fitting - Male 7/16" x 20NF Short |
| HFIM19SS | Fitting - Male 1/8" x 27NPTF |
| HFMF04SS | Fitting - Female M10 x 1 (17mm Flats) |
| HFMF06SS | Fitting - Male M10 x 1 (Short) |



Fitting Joint Supports

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

Stainless Steel Braided Brake Hose

| PART NO. | SIZE | JACKET COLOR |
|----------------|---------|--------------|
| BQ301 | 1/8" ID | Nil |
| BQ303 | 1/8" ID | Clear |
| BQ303BK | 1/8" ID | Smoke/Black |
| BQ303BL | 1/8" ID | Blue |
| BQ303GR | 1/8" ID | Green |
| BQ303RD | 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

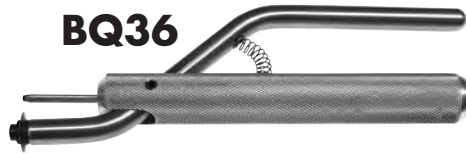


BQ1019

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 |
|------------|---------|----------------|--------|
| T187-100CN | 3/16" | .028" | 100' |
| T187-25CN | 3/16" | .028" | 25' |
| T250-25CN | 1/4" | .028" | 25' |
| T312-25CN | 5/16" | .028" | 25' |
| T375-25CN | 3/8" | .028" | 25' |

Tube Nuts

| PART NO. | TYPE | THREAD | TUBE |
|----------|--------|--------------|-----------|
| BQ57 | Female | 7/16" x 20NF | 1/4" |
| BQ72 | Male | M10 x 1 | 3/16" DIN |
| BQ2577 | Male | 7/16" x 24NS | 1/4" |
| BQ2578 | Male | 1/2" x 20NF | 5/16" |
| BQ4276 | Male | 3/8" x 20BSF | 3/16" |
| BQ4277 | Male | 7/16" x 20NF | 1/4" |
| BQ4285 | Male | 3/8" x 24NF | 3/16" |
| BQ4510 | Male | M9 x 1 | 3/16" |
| BQ4511 | Male | M10 x 1 | 3/16" |
| BQ4512 | Male | M10 x 1.25 | 3/16" |
| BQ4513 | Male | M12 x 1 | 1/4" |
| BQ5555 | Male | 3/8" x 24NF | 3/16" |
| BQ5842 | Male | 7/16" x 24NS | 3/16" |
| BQ6118 | Male | 7/16" x 20NF | 3/16" |
| BQ9174 | Female | M12 x 1 | 3/16" |
| BQ9175 | Female | M10 x 1 | 3/16" |
| BQ9176 | Female | 3/8" x 24NF | 3/16" |
| BQ9177 | Female | 1/2" x 20NF | 5/16" |
| BQ9178 | Female | M12 x 1.5 | 1/4" |
| BQ9179 | Female | M12 x 1 | 1/4" |
| BQ9180 | Male | M12 x 1 | 3/16" |
| BQ9181 | Male | 5/8" x 18NF | 3/8" |
| BQ9182 | Male | M12 x 1.5 | 6mm |
| BQ9183 | Male | M14 x 1.5 | 6mm |
| BQ9184 | Male | 1/2" x 20NF | 3/16" |
| BQ9185 | Male | 9/16" x 18NF | 3/16" |
| BQ9186 | Male | 9/16" x 18NF | 1/4" |
| BQ9187 | Male | 1/2" x 20NF | 1/4" |
| BQ9188 | Male | M10 x 1.5 | 3/16" |
| BQ9189 | Male | M11 x 1.0 | 3/16" |
| BQ9190 | Male | M11 x 1.25 | 3/16" |
| BQ9191 | Male | M11 x 1.5 | 3/16" |
| BQ9192 | Male | M12 x 1.25 | 3/16" |
| BQ9193 | Male | M12 x 1.5 | 3/16" |
| BQ9194 | Male | M13 x 1.0 | 3/16" |
| BQ9195 | Male | M13 x 1.25 | 3/16" |
| BQ9196 | Male | M13 x 1.5 | 3/16" |
| BQ9197 | Male | M14 x 1.5 | 5/16" |
| BQ9198 | Male | M16 x 1.5 | 5/16" |
| BQ9199 | 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 |
|-----------|---------|----------------|--------|
| T187-20SS | 3/16" | .028" | 20' |
| T250-20SS | 1/4" | .028" | 20' |
| T312-20SS | 5/16" | .028" | 20' |
| T375-20SS | 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.

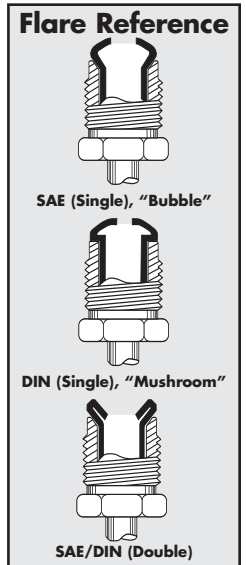
Bubble & Double Flare

Die & Punch Guide

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

DIN Flare

| TUBE SIZE | DIE NO. | PUNCH NO. |
|-----------|----------------|----------------|
| 4.75mm | BQ27041 | BQ27061 |
| 6mm | BQ27047 | BQ27062 |
| 8mm | BQ27048 | BQ27063 |
| 10mm | BQ27049 | BQ27064 |
| 12mm | BQ27050 | BQ27065 |



The Handiest Tool in a Brake Mechanic's Toolbox

Brake Tube Pliers

For use on 3/16" brake tube



BQ21600

Convenient and Quality Crafted

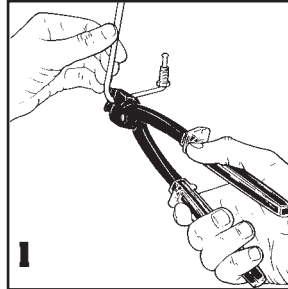
Brake mechanics often testify that this tool is the handiest tool in their tool boxes. Brake Tube Pliers are lightweight, yet strong enough for any brake job.

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

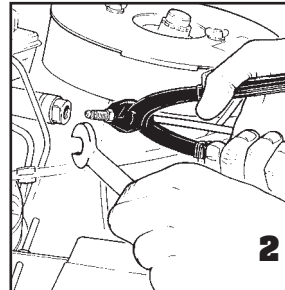
damaging the brake tube.

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

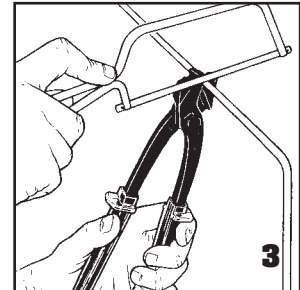
Brake Tube Pliers are distributed exclusively by BrakeQuip and manufactured in Europe.



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



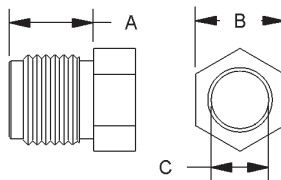
Universal tandem trailer fitting (4 way)

- 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" |

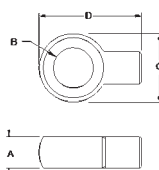
WELD ON BANJO HEADS

Weld On Banjo Heads

Designed to make plumbing easy when banjo fittings are necessary.

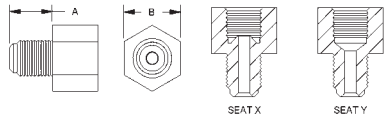
Simply braze 3/16" (4.75mm) tube to banjo head.

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.

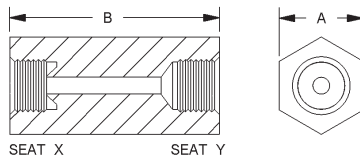
FEATURES:

- 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.

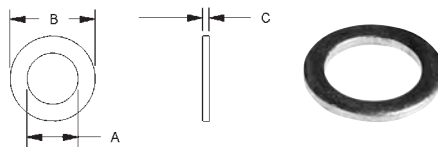
FEATURES:

- 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

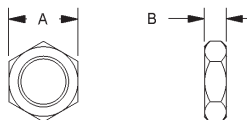
Bulkhead Nuts

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 |
|-------------|---------------|---------|-----|
| BQ13 | 5/8" x 18NF | 15/16" | 8mm |
| BQ77 | 11/16" x 16NF | 1" | 8mm |
| BQ78 | 3/8" x 24NF | 1/2" | 5mm |
| BQ79 | M10 x 1 | 13mm | 5mm |
| BQ80 | 7/16" x 20NF | 5/8" | 6mm |
| BQ81 | M12 x 1 | 19mm | 6mm |
| BQ82 | M12 x 1.5 | 19mm | 6mm |
| BQ83 | 1/2" x 20NF | 3/4" | 6mm |
| BQ84 | 3/4" x 16NF | 1-1/16" | 8mm |
| BQ85 | 20 x 1.5mm | 27mm | 8mm |
| BQ86 | 18 x 1.5mm | 25mm | 8mm |
| BQ87 | 16 x 1.5mm | 22mm | 7mm |
| BQ88 | 14 x 1.5mm | 19mm | 6mm |
| BQ89 | 7/8" x 18NS | 1-1/8" | 8mm |

3 WAY TUBE TEE'S WITH MOUNTING HOLE

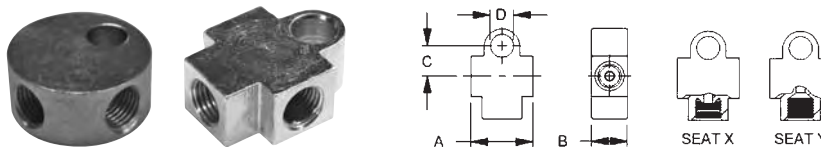
3 Way Tube Tee's with Mounting Hole

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 |
|--------------|--------------|-----------|------|------|---------|-------|
| BQ56A | 3/8" x 24NF | X | 24mm | 1/2" | 10.75mm | 5/16" |
| BQ90 | 3/8" x 24NF | Y | 28mm | 1/2" | 10.75mm | 5/16" |
| BQ91 | M10 x 1 | X | 24mm | 1/2" | 10.75mm | 10mm |
| BQ92 | 7/16" x 24NS | X | 24mm | 14mm | 10.75mm | 3/8" |
| BQ93 | 1/8" x 27NPT | Y | 26mm | 1/2" | 10.75mm | 5/16" |
| BQ94 | 7/16" x 20NF | Y | 30mm | 14mm | 10.75mm | 3/8" |
| BQ95 | M10 x 1 | Y | 30mm | 14mm | 10.75mm | 7mm |

BANJO UNIONS

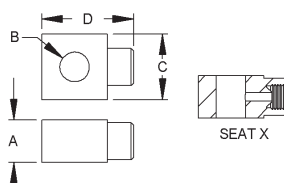
Banjo Unions

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 |
|-------------|--------------|-----------|------|-------|------|
| BQ60 | 3/8" x 24NF | X | 1/2" | 10mm | 17mm |
| BQ61 | M10 x 1 | X | 13mm | 10mm | 17mm |
| BQ62 | 7/16" x 24NS | X | 14mm | 7/16" | 18mm |
| BQ63 | 1/2" x 20NF | X | 16mm | 1/2" | 20mm |

BANJO ADAPTERS

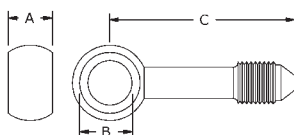
Banjo Adapters

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:

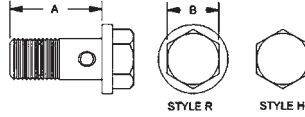
- Imperial & Metric Threads
- Zinc plated for corrosion resistance

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



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

BANJO BOLTS



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

Banjo Bolts

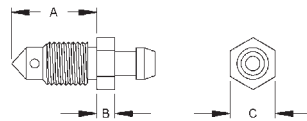
A banjo bolt for every application.

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 |
|---------------|-------------|------|-----|------|
| BQ4433 | 3/8" x 24NF | 20mm | 5mm | 10mm |
| BQ4434 | M10 x 1 | 23mm | 6mm | 10mm |
| BQ4435 | M10 x 1 | 19mm | 6mm | 10mm |

Bleed Screws

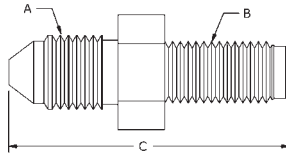
These popular bleed screws makes replacement easy.

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 |
|--------------|--------------------------|--------------|------|
| BQ128 | 3/8" x 24NF (No. 3 JIC) | M10 x 1.25 | 36mm |
| BQ129 | 3/8" x 24NF (No. 3 JIC) | M10 x 1.00 | 36mm |
| BQ130 | 3/8" x 24NF (No. 3 JIC) | M10 x 1.5 | 60mm |
| BQ131 | 7/16" x 20NF (No. 4 JIC) | 3/8" x 24NF | 37mm |
| BQ132 | 3/8" x 24NF (No. 3 JIC) | 1/4" x 28NF | 36mm |
| BQ133 | 3/8" x 24NF (No. 3 JIC) | 5/16" x 24NF | 36mm |
| BQ134 | 7/16" x 20NF (No. 4 JIC) | 7/16" x 24NS | 37mm |
| BQ135 | 3/8" x 24NF (No. 3 JIC) | 3/8" x 24NF | 36mm |
| BQ144 | 7/16" x 20NF (No. 4 JIC) | M12 x 1.00 | 37mm |

Male Test Adapters

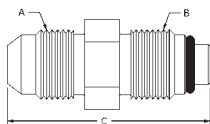
These handy test Adapters can be used for a variety of applications including tapping into your hydraulic system for pressure readings. Will fit most bleed screw openings.

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 |
|-------------------|-----------------------------|---------------|------|
| 14MMBT-6MJ | 9/16" x 18NF (No.6 JIC) | M14 x 1.5 | 39mm |
| 16MMBT-6FI | 5/8" x 18NF (Inverted Seat) | M16 x 1.5 | 32mm |
| 16MMBT-6MJ | 9/16" x 18NF (No.6 JIC) | M16 x 1.5 | 39mm |
| 5MBT-5MJ | 1/2" x 20NF (No. 5 JIC) | 1/2" x 20NF | 37mm |
| 7MBT-6MJ | 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



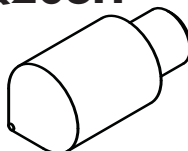
BQ21 Test Cone is designed as an aid for testing banjo fittings.

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.

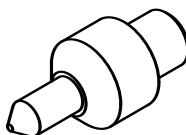
BQ207H



BQ206S

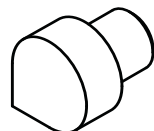


BQ206HS



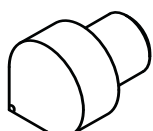
BQ206S and BQ206HS Test Cones are designed for testing female swivel fittings and female fittings with a drill point seat (DPS).

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



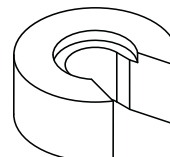
Fitting Test Spade

BQ2001



Constriction Gauge

BQ1021A



Rear Crimp Setting Tool

BQ2005



Pro System
Crimp Head Dust Cover

BQ2008



Pro System
Crimp Setting Tool

BQ2009



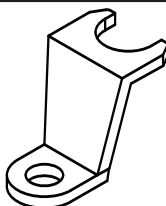
Pro System
Rear Crimp Setting Tool

BQ2010



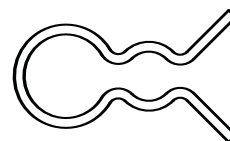
Countersink Drill Bit

BQ37



Econo System
Crimp Setting Spade

BQ1014



Econo System
Crimp Setting Clip

SYSTEM AIDS & ACCESSORIES

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".

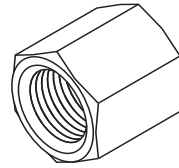
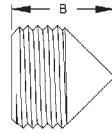
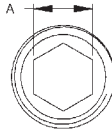
Fitting Plugs

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 |
|--------------|-------------|--------------|-------|------|
| BQ18 | Male Plug | M10 x 1 | 5mm | 10mm |
| BQ19 | Male Plug | 3/8" x 24NF | 3/16" | 10mm |
| BQ26 | Male Plug | 7/16" x 24NS | 1/4" | 11mm |
| BQ160 | Female Plug | 3/8" x 24NF | 1/2" | 15mm |
| BQ161 | Female Plug | 7/16" x 24NS | 9/16" | 15mm |
| BQ162 | Female Plug | 7/16" x 20NF | 9/16" | 15mm |
| BQ163 | Female Plug | 1/2" x 20NF | 16mm | 16mm |
| BQ164 | Female Plug | M10 x 1 | 13mm | 15mm |
| BQ165 | Female Plug | M10 x 1.25 | 13mm | 15mm |
| BQ166 | Female Plug | M12 x 1 | 16mm | 16mm |
| BQ167 | Female Plug | M12 x 1.5 | 16mm | 16mm |

BQ1022



Fitting Pressure Test Adapter

Ideal for pre-testing reworked fittings.

BQ22A



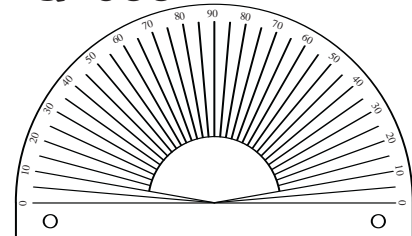
Part A – Banjo Bending Bar

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.



BQ2100

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



| 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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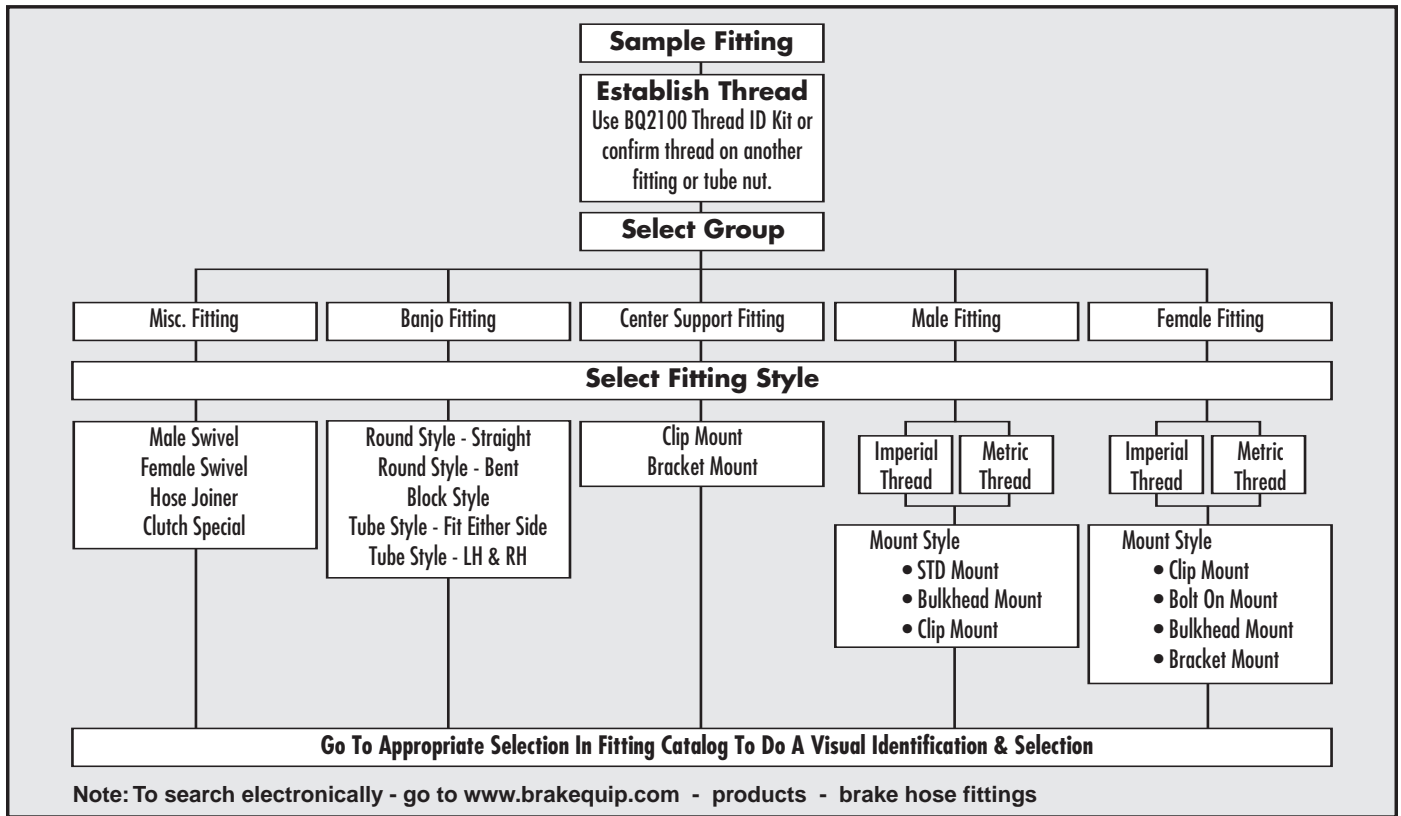
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MISCELLANEOUS INFORMATION

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

BROCHURES

BQ2014
Street Legal Stainless Steel Braided Brake Hoses
 The winning combination of quality, performance & convenience

BQ2100
"The" Automotive Thread Gauge
 Instantly identifies at least 99% of brake plumbing threads.

BQ2027
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BQ2007
Brake Hoses Made To Order
 Quality Hoses Available When You Need Them

BQ2029
The Handiest Tool in a Brake Mechanic's Toolbox
 Brake Wire Pliers

BQ2051
"Marketing Tips" for BrakeQuip Distributors
 Brake Hose Marketing Checklist

BQ2019
Brake Hoses Made To Order
 Quality Hoses Available When You Need Them

POSTCARDS

BQX-01
BrakeQuip
 BRAKE HOSE MANUFACTURING SYSTEMS
 Innovative Solutions For Automotive Plumbing
Brake Hose Cross Reference Catalog

BQB-03
BrakeQuip
 BRAKE HOSE MANUFACTURING SYSTEMS
 Innovative Solutions For Automotive Plumbing
Brake Hose Build Catalog

BQAP-026
 Innovative Solutions For Automotive Plumbing
Tube Bots

BQA-02
BrakeQuip
 BRAKE HOSE MANUFACTURING SYSTEMS
Brake Hose Application Catalog

BQF-05
BrakeQuip
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POSTERS

We Make Brake Hoses

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 most effective way to look for faulty brake hoses is to check them when they are under extreme pressure. When inspecting brake hoses on vehicles in the business yard, a person would have a normal life with hard and eventual attrition, but it's when they exert their best to move them that symptoms arise.

The same applies to brake hoses. Brake hoses could appear "OK," but when they are subjected to extreme pressure in an emergency, they need to be in good condition to handle this sudden stress.

Most because standard braking systems can reach pressures of approximately 1000 psi.

Visual Inspection of Hose and Installation

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

Inspecting the Hose through "Feel"

The best way to get the "feel" is to feel a new hose first.

1. Have them get hot and soft.

2. Have someone check for leaks, including air pressure.

3. Have them get cold and stiff.

4. Have them get hot and soft.

5. Have them get cold and stiff.

6. Have them get hot and soft.

7. Have them get cold and stiff.

8. Have them get hot and soft.

9. Have them get cold and stiff.

10. Have them get hot and soft.

11. Have them get cold and stiff.

12. Have them get hot and soft.

13. Have them get cold and stiff.

14. Have them get hot and soft.

15. Have them get cold and stiff.

16. Have them get hot and soft.

17. Have them get cold and stiff.

18. Have them get hot and soft.

19. Have them get cold and stiff.

20. Have them get hot and soft.

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

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