

# *Automotive Plumbing Catalog*

June 2016

*Metal Tubing*

*Tube Nuts*

*Weld-On Studs*

*Tube Unions*

*Clips and Brackets*

*Bulkhead Nuts*

*Tees*

*Thread Adapters*

*Bump Tube Adapters*

*Transmission Line Adapters*

*Copper Washers*

*Banjo Bolts*

*Banjo Adapters*

*Weld-On Banjo Heads*

*Bleed Screws*

*Fitting Caps and Plugs*

*Assortment Kits*

*Tube Straighteners*

*Cutters*

*Tube Benders*

*Flaring Tools*

*Specialty Tools*

*Fuel Line and Fittings*



**BrakeQuip**<sup>®</sup>  
INNOVATIVE SOLUTIONS FOR AUTOMOTIVE TUBES AND HOSES  
Since 1998 [brakequip.com](http://brakequip.com)

**90/10 Cunifer Tubing**

For the ultimate combination of corrosion resistance and ease of use, choose the EziBend family of tubing. EziBend tubing meets UNS C70600 requirements for material composition and is compliant with US Department of Transportation and Federal Motor Vehicle Safety Standards.

Volvo, Audi, Porsche, Rolls Royce, Lotus, Aston Martin, and other performance automobile makers use C70600 tubing. In the replacement market, C70600 tubing is the preferred tubing for brake lines, fuel, and transmission systems.

**Durability**

Unlike other similarly-priced tubing that attempts to protect the core material with a plating or coating, EziBend tubing is fabricated from a special alloy that is inherently rust and corrosion proof. There are no coatings to fail. EziBend will remain corrosion-proof after tube formation, scratches during installation, and nicks from road debris.

**Ease of use**

EziBend is strong, but easy to work with. It straightens, cuts, flares, and bends smoothly. And the same properties that make EziBend simple to shape allow it to achieve a superior sealing surface against fittings.



**EziBend 2**

- 0.028" wall thickness
- Polishes to a brilliant finish
- Seamless construction
- Ready for retail in pre-packaged coils

Part Number	OD	Coil Length
T187-25SE	3/16"	25ft
T187-100SE	3/16"	100ft
T250-25SE	1/4"	25ft
T250-100SE	1/4"	100ft
T312-25SE	5/16"	25ft
T375-25SE	3/8"	25ft

**Original EziBend**

- 0.028" wall thickness
- Polishes to a brilliant finish
- Made in the USA
- Unpackaged coils

Part Number	OD	Coil Length
T187-25CN	3/16"	25ft
T187-100CN	3/16"	100ft
T250-25CN	1/4"	25ft
T250-100CN	1/4"	100ft
T312-25CN	5/16"	25ft
T375-25CN	3/8"	25ft



**On the right side of the standards**

In cunifer tubing, nickel improves strength and corrosion resistance while allowing the tube to remain ductile. EziBend and EziBend 2 stood out in independent lab tests against three of the largest cunifer suppliers in the US and the UK.

	"Wholesale" Tubing (US)	"Parts Store" Tubing (US)	Leading UK Tubing	UNS C70600	EziBend	EziBend 2
<b>Nickel Content</b>	8.85%	8.92%	8.89%	9.0%–11.0%	10.30%	10.40%

**316L Stainless Tubing**

The pinnacle of automotive plumbing, our 316L marine-grade tubing has the highest level of corrosion protection combined with the stunning appearance of polished stainless steel.

**Corrosion resistance**

316L contains molybdenum, a corrosion resistor that is not found in 304 grade stainless.

See coil straighteners and benders on page 14 and 15, flaring tools on page 16, and stainless fittings on page 20.

**Proper wall thickness**

Thick-walled 304 stainless tubing meant for heavy industrial applications will damage automotive tube-working tools. Our 0.028"-walled tubing is strong enough for automotive, marine, and light industrial applications, yet easy to work using DIY automotive tools.



Part Number	OD	Coil Length
T187-20SS	3/16"	20ft
T250-20SS	1/4"	20ft
T312-20SS	5/16"	20ft
T375-20SS	3/8"	20ft

**Soft-annealed**

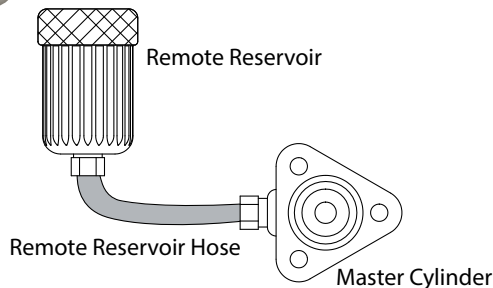
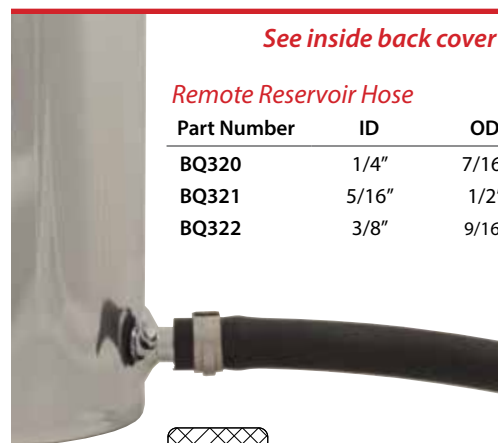
BrakeQuip 316L is soft-annealed, a heat treatment process which makes straightening, cutting, bending, and flaring far easier than with non-annealed stainless.

BrakeQuip can manufacture custom tubing OD, wall thickness, and coil length for large volume opportunities. For more information, contact sales@brakequip.com.

**See inside back cover for brake and power steering hoses. Other Tube and Hose Products**

**Remote Reservoir Hose**

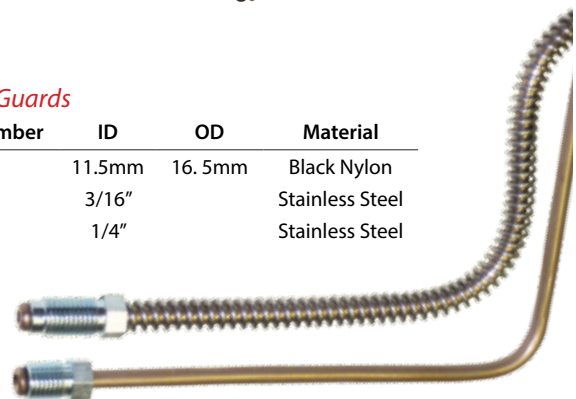
Part Number	ID	OD
BQ320	1/4"	7/16"
BQ321	5/16"	1/2"
BQ322	3/8"	9/16"



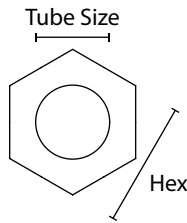
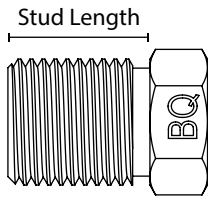
**BQ313-SV Heat Shield**  
One size fits all. 5ft rolls.

**Spring Guards**

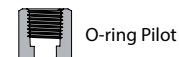
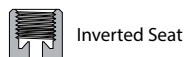
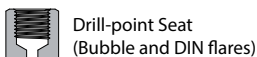
Part Number	ID	OD	Material
BQ202	11.5mm	16.5mm	Black Nylon
BQ231	3/16"		Stainless Steel
BQ232	1/4"		Stainless Steel



**Male Tube Nuts** See page 13 for assortment kits BQ7005 (metric tube nuts) and BQ7006 (imperial tube nuts).

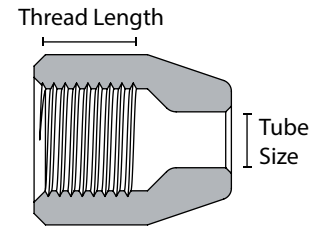


Part Number	Thread	Stud Length	Flare	Hex	Tube Size
BQ4276	3/8-20 BSF	14mm	45°	3/8	3/16"
BQ5555	3/8-24 UNF	9.1mm	45°	3/8	3/16"
BQ5555SS	3/8-24 UNF	9.1mm	45°	3/8	3/16"
BQ4285	3/8-24 UNF	17mm	45°	3/8	3/16"
BQ4277	7/16-20 UNF	18mm	45°	7/16	1/4"
BQ6118	7/16-20 UNF	17.5mm	45°	11mm	3/16"
BQ5842	7/16-24 UNS	9.1mm	45°	11mm	3/16"
BQ5842SS	7/16-24 UNS	9.1mm	45°	11mm	3/16"
BQ2577	7/16-24 UNS	12.5mm	45°	7/16	1/4"
BQ2577SS	7/16-24 UNS	12.5mm	45°	7/16	1/4"
BQ2578	1/2-20 UNF	10.2mm	45°	1/2	5/16"
BQ9184	1/2-20 UNF	10.2mm	45°	1/2	3/16"
BQ9187	1/2-20 UNF	14mm	45°	1/2	1/4"
BQ9185	9/16-18 UNF	14mm	45°	9/16	3/16"
BQ9186	9/16-18 UNF	14mm	45°	9/16	1/4"
BQ9181	5/8-18 UNF	10.2mm	45°	5/8	3/8"
BQ4510	M9 × 1	14mm	45°	10mm	3/16"
BQ4511	M10 × 1	11.6mm	45°	11mm	3/16"
BQ4511LT	M10 × 1	14mm	45°	11mm	3/16"
BQ4511SS	M10 × 1	11.6mm	45°	11mm	3/16"
BQ72	M10 × 1	12.6mm	DIN	11mm	3/16"
BQ4512	M10 × 1.25	11.6mm	45°	11mm	3/16"
BQ9188	M10 × 1.5	11.6mm	45°	11mm	3/16"
BQ9189	M11 × 1	15mm	45°	11mm	3/16"
BQ9190	M11 × 1.25	15mm	45°	11mm	3/16"
BQ9191	M11 × 1.5	13.1mm	45°	13mm	3/16"
BQ9180	M12 × 1	11.6mm	45°	13mm	3/16"
BQ4513	M12 × 1	11.6mm	45°	13mm	1/4"
BQ4513LT	M12 × 1	14.6mm	45°	13mm	1/4"
BQ4513SS	M12 × 1	11.6mm	45°	12mm	1/4"
BQ9169	M12 × 1	14.9mm	DIN	13mm	1/4"
BQ9182	M12 × 1.5	11.6mm	45°	13mm	1/4"
BQ9192	M12 × 1.25	11.6mm	45°	13mm	3/16"
BQ9157	M12 × 1.25	11.6mm	45°	13mm	1/4"
BQ9193	M12 × 1.5	11.6mm	45°	13mm	3/16"
BQ9194	M13 × 1	15mm	45°	13mm	3/16"
BQ9195	M13 × 1.25	15mm	45°	13mm	3/16"
BQ9196	M13 × 1.5	15mm	45°	13mm	3/16"
BQ9183	M14 × 1.5	11.6mm	45°	15mm	1/4"
BQ9197	M14 × 1.5	11.6mm	45°	15mm	5/16"
BQ9149	M14 × 1.5	15mm	DIN	16mm	8mm
BQ9198	M16 × 1.5	11.6mm	45°	17mm	5/16"
BQ9166	M16 × 1.5	16mm	45°	17mm	3/8"
BQ9148	M16 × 1.5	13.2mm	DIN	16mm	10mm
BQ9199	M18 × 1.5	16mm	45°	18mm	5/16"



See page 13 for assortment kits BQ7005 (metric tube nuts) and BQ7006 (imperial tube nuts). **Female Tube Nuts**

Part Number	Thread	Thread Length	Seat	Hex	Tube Size
BQ55	3/8-24 UNF	7.5mm	37°	7/16"	3/16"
BQ9176	3/8-24 UNF	5.6mm	45°	7/16"	3/16"
BQ57	7/16-20 UNF	5.8mm	37°	1/2"	1/4"
BQ9177	1/2-20 UNF	10mm	45°	5/8"	5/16"
BQ9207	9/16-18 UNF	6.1mm	o-ring pilot	5/8"	3/8"
BQ9175	M10 × 1	9mm	45°	13mm	3/16"
BQ9174	M12 × 1	9mm	45°	16mm	3/16"
BQ9179	M12 × 1	9mm	45°	16mm	1/4"
BQ9156	M12 × 1.25	8mm	45°	16mm	1/4"
BQ9178	M12 × 1.5	9mm	45°	16mm	1/4"
BQ9208	M14 × 1.5	10.9mm	33°	17mm	10mm
BQ9209	M16 × 1.5	10.9mm	33°	19mm	10mm
BQ9210	M18 × 1.5	14.4mm	33°	21mm	12mm



**BQ141 Swivel Elbow – 90°**  
 3/8-24 UNF — 3/8-24 UNF  
 Handy for tight spots that require a connection with an inverted seat.

See page 10 for copper seat seals (flare gaskets).

**Weld-On Fittings**

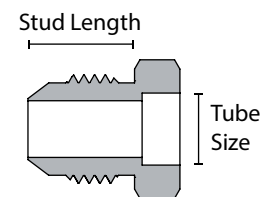
**Aluminum**

Part Number	Thread	Type	Tube Size	Stud Length	Hex
BQ170	9/16-18 UNF	-6 JIC	3/8"	14.1mm	5/8"
BQ171	5/8-18 UNF	45° inverted	3/8"	15.7mm	11/16"
BQ172	3/4-16 UNF	-8 JIC	1/2"	16.7mm	13/16"
BQ173	7/8-14 UNF	-10 JIC	5/8"	22.6mm	15/16"
BQ174	1 1/16-14 UNS	45° inverted	3/4"	25.4mm	1 1/16"



**Steel**

Part Number	Thread	Type	Tube Size	Stud Length	Hex
BQ153	3/8-24 UNF	-3 JIC	3/16"	12.2mm	7/16"
BQ226	9/16-18 UNF	-6 JIC	3/8"	14.1mm	5/8"
BQ228	9/16-18 UNF	-6 JIC	1/2"	14.1mm	11/16"
BQ227	9/16-18 UNF	-6 JIC	10mm	14.1mm	5/8"



**BQ33**  
*Pre-fluxed Silver Brazing Rod*  
 pack of 8

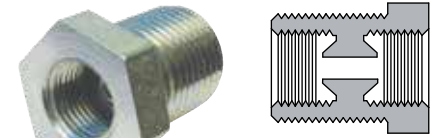
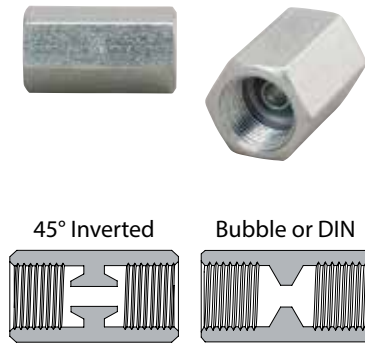
**BQ34**  
*Pre-fluxed Aluminum Brazing Rod*  
 pack of 5

For professional brazing of steel, stainless, brass, or any combination of these metals. Designed for brazing high-pressure fittings. No cadmium. 18" long.

**Brazing Rods**

**Female Unions** See page 13 for assortment kit BQ7009.

Part Number	Thread	Thread Length	Seat	Hex	Overall Length
BQ110	3/8-24 UNF	5.16mm	45°	1/2"	22.2mm
BQ115	3/8-24 UNF	8mm	Bubble	1/2"	25mm
BQ111	7/16-24 UNS	5.16mm	45°	9/16"	22.2mm
BQ111SS	7/16-24 UNS	5.16mm	45°	9/16"	22.2mm
BQ112	1/2-20 UNF	5.94mm	45°	5/8"	25mm
BQ119	9/16-18 UNS	5.94mm	45°	3/4"	27mm
BQ113	5/8-18 UNF	6.76mm	45°	3/4"	27mm
BQ114	M10 × 1	7mm	DIN	13mm	25mm
BQ117	M10 × 1	7.95mm	45°	13mm	24mm
BQ116	M12 × 1	7.95mm	45°	16mm	25mm
BQ147	M12 × 1	9mm	DIN	16mm	27mm



**BQ148 Bulkhead Union**  
5/8-18 UNF external thread  
45° inverted seat, 19mm hex  
Secure with a BQ13 bulkhead nut - next page



**BQ222 Tandem Trailer Fitting Universal**  
Four ports: 3/8-24 UNF, inverted seat  
Secure with BQ13 bulkhead nut – next page  
Block off excess ports with BQ19 plugs – page 12

**Male Unions**

**BQ293SS -3 JIC Union, Stainless**  
3/8-24 UNF, 7/16" hex  
45.9mm overall length  
Requires BQ78SS nut for bulkhead mount

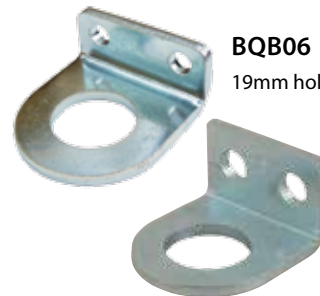


**BQ292 -3 JIC Union**  
**BQ292SS Stainless version**  
3/8-24 UNF, 7/16" hex  
30.7mm overall length

**Clips and Brackets**



*Tube Clamps – white nylon*  
BQ249 3/16"  
BQ250 1/4"  
FL35 5/16"  
FL34 3/8"



**BQB06 Universal Bracket**  
19mm hole, 5mm mount holes

**BQB244 Universal Bracket**  
17mm hole  
6.8mm mount holes



**BQ3052**  
*Universal Clip*



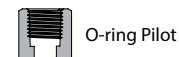
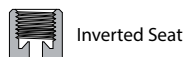
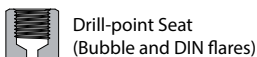
**BQ3055SS**  
*Universal Clip - Stainless*



**BQ3053**  
*Clip - suits Toyota*



**BQ71**  
*Bracket Retaining Screws*  
pack of 50



**Bulkhead Nuts**

Part Number	Thread	Hex Size	Thickness
BQ78	3/8-24 UNF	1/2"	5 mm
BQ78SS	3/8-24 UNF	1/2"	5 mm
BQ80	7/16-20 UNF	5/8"	6 mm
BQ83	1/2-20 UNF	3/4"	6 mm
BQ13	5/8-18 UNF	15/16"	8 mm
BQ77	11/16-18 UNS	1"	8 mm
BQ84	3/4-16 UNF	1 1/16"	8 mm
BQ75	7/8-14 UNF	1 1/8"	8 mm
BQ89	7/8-18 UNS	1 1/8"	8 mm
BQ79	M10 × 1	13 mm	5 mm
BQ81	M12 × 1	19 mm	6 mm
BQ82	M12 × 1.5	19 mm	6 mm
BQ87	M16 × 1.5	22 mm	7 mm
BQ86	M18 × 1.5	25 mm	8 mm
BQ85	M20 × 1.5	27 mm	8 mm



See page 13 for assortment kit BQ7002. **Tees**

**Female**

Part Number	Thread	Seat	Diameter	Mount	Mount Hole	Thickness
BQ93A	1/8-27 NPT	NPT	31.75mm	Bolt	8.2mm	14mm
BQ264	3/8-24 UNF	45°	T shape	none	none	1/2"
BQ56A	3/8-24 UNF	45°	28.6mm	Bolt	8.2mm	1/2"
BQ56ASS	3/8-24 UNF	45°	28.6mm	Bolt	8.2mm	1/2"
BQ90A	3/8-24 UNF	45°	31.75mm	Bolt	8.2mm	1/2"
BQ94A	7/16-20 UNF	Bubble	31.75mm	Bolt	8.2mm	14mm
BQ92A	7/16-24 UNS	45°	31.75mm	Bolt	8.2mm	14mm
BQ91A	M10 × 1	45°	31.75mm	Bolt	8.2mm	1/2"
BQ95A	M10 × 1	DIN	31.75mm	Bolt	7.2mm	14mm



**BQ7812 Tee with Bracket**  
3/8-24 UNF  
Inverted seat



**BQ378 Swivel Tee**  
M10 × 1 port  
7/16-24 UNS port  
M10 × 1 tube nut, DIN flare



**BQ265 NPT Tee**  
Two 3/8-24 UNF ports  
One 1/8-27 NPT port



**BQ177SS Tee**  
3/8-24 UNF, inverted seat  
47mm diameter  
1/2" thick

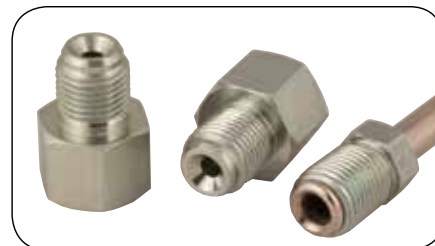
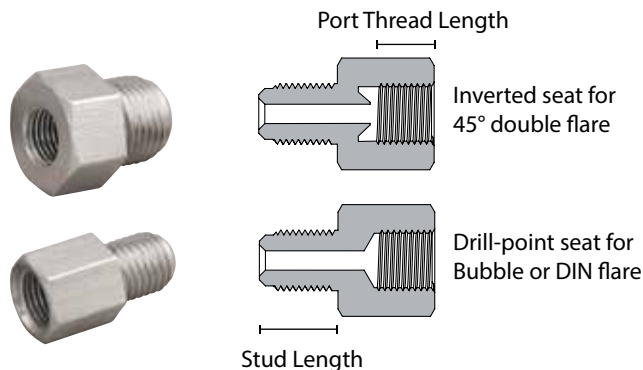
**Male**

Part Number	Thread	JIC	Mount	Mount Hole	Diameter	Thickness
BQ360	3/8-24 UNF	-3	Bolt	8.2mm	31.75mm	1/2"
BQ361	7/16-20 UNF	-4	Bolt	8.2mm	31.75mm	1/2"



**Male-Female Adapters** See page 13 for assortment kit BQ7004.

Part Number	Port Thread	Port Thread Length	Port Seat	Tube Size	Stud Thread	Stud Length	Stud Fit	Hex
BQ247	1/8-27 NPT	6.92mm	NPT	—	3/8-24 UNF	11.2mm		9/16"
BQ248	1/8-27 NPT	6.92mm	NPT	—	1/2-20 UNF	11mm		9/16"
BQ187	1/8-27 NPT	6.92mm	NPT	—	M10 × 1.5	11mm		9/16"
BQ48	3/8-24 UNF	5.16mm	45°	3/16"	1/8-27 NPT	9.97mm	3/16"	1/2"
BQ156	3/8-24 UNF	5.16mm	45°	3/16"	3/8-24 UNF	12mm	3/16"	9/16"
BQ47	3/8-24 UNF	5.16mm	45°	3/16"	7/16-20 UNF	12mm	3/16"	9/16"
BQ46	3/8-24 UNF	5.16mm	45°	3/16"	7/16-24 UNS	12mm	3/16"	9/16"
BQ9300	3/8-24 UNF	5.16mm	45°	3/16"	1/2-20 UNF	12mm	3/16"	5/8"
BQ120	3/8-24 UNF	5.16mm	45°	3/16"	1/2-20 UNF	12mm	5/16"	5/8"
BQ124	3/8-24 UNF	5.16mm	45°	3/16"	9/16-18 UNF	12mm	3/16"	11/16"
BQ262	3/8-24 UNF	9mm	Bubble	3/16"	9/16-18 UNF	12mm	3/16"	11/16"
BQ121	3/8-24 UNF	5.16mm	45°	3/16"	9/16-20 UNS	12mm	3/16"	11/16"
BQ49	3/8-24 UNF	5.16mm	45°	3/16"	M10 × 1	12.6mm	3/16"	9/16"
BQ125	3/8-24 UNF	9mm	Bubble	3/16"	M10 × 1	12mm	3/16"	13mm
BQ383	3/8-24 UNF	5.16mm	45°	3/16"	M12 × 1	12mm	3/16"	16mm
BQ45	7/16-24 UNS	5.16mm	45°	1/4"	3/8-24 UNF	11.2mm	3/16"	9/16"
BQ9301	7/16-24 UNS	5.16mm	45°	1/4"	1/2-20 UNF	12mm	3/16"	5/8"
BQ122	7/16-24 UNS	5.16mm	45°	1/4"	1/2-20 UNF	12mm	5/16"	5/8"
BQ123	7/16-24 UNS	5.16mm	45°	1/4"	9/16-18 UNF	12mm	3/16"	11/16"
BQ260	1/2-20 UNF	5.94mm	45°	5/16"	3/8-24 UNF	11.2mm	3/16"	16mm
BQ127	1/2-20 UNF	5.94mm	45°	5/16"	7/16-24 UNS	12mm	1/4"	5/8"
BQ261	9/16-18 UNF	5.94mm	45°	5/16"	3/8-24 UNF	11.2mm	3/16"	11/16"
BQ50	M10 × 1	7.95mm	45°	3/16"	3/8-24 UNF	11.2mm	3/16"	1/2"
BQ40	M10 × 1	7mm	DIN	3/16"	M10 × 1	13mm	3/16"	16mm
BQ42	M10 × 1	7.95mm	45°	3/16"	M10 × 1.25	12mm	3/16"	13mm
BQ43	M10 × 1	7.95mm	45°	3/16"	M12 × 1	12mm	3/16"	16mm
BQ41	M10 × 1.25	7.95mm	45°	3/16"	M10 × 1	12.6mm	3/16"	13mm
BQ246	M12 × 1	9mm	DIN	1/4"	1/8-27 NPT	9.97mm	3/16"	16mm
BQ44	M12 × 1	7.95mm	45°	1/4"	M10 × 1	12.6mm	3/16"	16mm
BQ379	M12 × 1.5	7.95mm	45°	3/16"	1/8-27 NPT	9.97mm	3/16"	14mm
BQ380	M14 × 1.5	7.95mm	45°	3/16"	1/8-27 NPT	9.97mm	3/16"	17mm



When deciding if an adapter will work with a specific port, think of the *Stud Fit* as a "tube-size equivalent," in that the adapter will seat properly if the corresponding tube and tube nut would also seat properly. Most BrakeQuip adapters correspond to 3/16" tube but there are a few exceptions, as noted in the table.

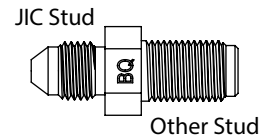


See page 13 for assortment kit BQ7010. **Male-Male Adapters**

Part Number	JIC Stud Thread	Other Stud Thread	Other Stud Length	Hex	Overall Length
BQ135	3/8-24 UNF (-3 JIC)	3/8-24 UNF	16mm	1/2"	34.2mm
BQ132	3/8-24 UNF (-3 JIC)	1/4-28 UNF	16mm	1/2"	36mm
BQ168	3/8-24 UNF (-3 JIC)	1/2-20 UNF	13mm	1/2"	33mm
BQ129	3/8-24 UNF (-3 JIC)	M10 × 1	16mm	1/2"	34.2mm
BQ128	3/8-24 UNF (-3 JIC)	M10 × 1.25	16mm	1/2"	36mm
BQ130	3/8-24 UNF (-3 JIC)	M10 × 1.5	16mm	1/2"	60mm
BQ131	7/16-20 UNF (-4 JIC)	3/8-24 UNF	16mm	1/2"	37.1mm
BQ134	7/16-20 UNF (-4 JIC)	7/16-24 UNS	16mm	9/16"	36mm
BQ176	7/16-20 UNF (-4 JIC)	M10 × 1	11.6mm	1/2"	31.6mm
BQ144	7/16-20 UNF (-4 JIC)	M12 × 1	16mm	14mm	36mm
BQ149	7/16-20 UNF (-4 JIC)	M12 × 1.25	16mm	14mm	37mm



BQ130 has an elongated JIC stud.



**BQ145 -4 JIC to M10 × 1**

Non-JIC stud for use with ISO 24° cone connector: either compression or o-ring seal cone (DKO).  
12mm hex, 29mm overall length



**BQ157 -3 JIC to 1/8-28 BSPP**

5/8" hex, 25.9mm overall length  
For use with bonded washer (dowty seal)

See page 13 for assortment kit BQ7003. **Bump Tube Adapters**

For power steering and fuel systems. Comes with a high temperature Viton O-ring.

Part Number	JIC Stud Thread	O-ring Pilot Thread	Hex	Overall Length	Male
5MBT-5MJ	1/2-20 UNF (-5 JIC)	1/2-20 UNF	9/16"	37.4mm	
7MBT-6MJ	9/16-18 UNF (-6 JIC)	11/16-18 UNS	3/4"	41.9mm	
14MMBT-6MJ	9/16-18 UNF (-6 JIC)	M14 × 1.5	5/8"	38.8mm	
16MMBT-6MJ	9/16-18 UNF (-6 JIC)	M16 × 1.5	17mm	38.9mm	
18MMBT-6MJ	9/16-18 UNF (-6 JIC)	M18 × 1.5	3/4"	39.4mm	



Part Number	Port Thread	O-ring Pilot Thread	Hex	Overall Length	Female
16MMBT-6FI	5/8-18 UNF	M16 × 1.5	3/4"	30.8mm	



**Transmission Line Adapters**

Convert push-on connection transmission lines to double-flare connections to make and repair these lines in your shop.

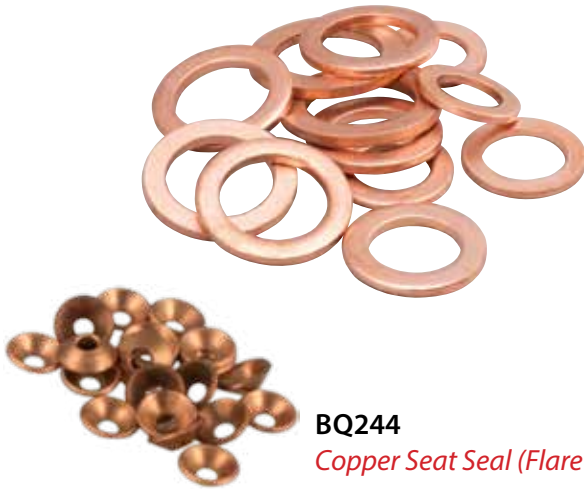


**BQ182 Straight**  
5/8-18 UNF inverted seat



**BQ183 90°**  
5/8-18 UNF inverted seat

**Copper Washers** See page 13 for assortment kit BQ7000.

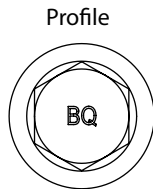
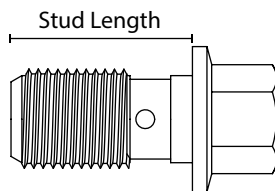


**BQ244**  
Copper Seat Seal (Flare Gasket)

Part Number	Bolt Size	Diameter	Thickness
BQ3858	3/8"	5/8"	1.5mm
BQ1118	7/16"	18mm	1.5mm
BQ1320	1/2"	20mm	2mm
BQ1421	9/16"	21mm	2mm
BQ813	8mm	13mm	1.3mm
BQ1016	10mm	16mm	1.5mm
BQ1218	12mm	18mm	1.5mm
BQ1522	15mm	22mm	2mm
BQ1624	16mm	24mm	2mm

**Banjo Bolts** See page 13 for assortment kit BQ7007.

**Standard**



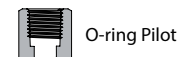
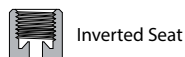
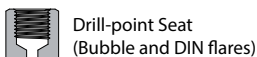
Part Number	Thread	Stud Length	Hex	Washer
BQ8093	3/8-24 UNF	25mm	11mm	BQ3858
BQ8093SS	3/8-24 UNF	25mm	11mm	BQ3858
BQ8089	7/16-20 UNF	23.8mm	1/2"	BQ1118
BQ8096	7/16-20 UNF	27mm	11mm	BQ1118
BQ8090	7/16-24 UNS	26.5mm	1/2"	BQ1118
BQ8097	1/2-20 UNF	31mm	9/16"	BQ1320
BQ8076	M8 x 1	17mm	10mm	BQ813
BQ8077	M8 x 1.25	16mm	10mm	BQ813
BQ8095	M10 x 1	22mm	11mm	BQ1016
BQ8095SS	M10 x 1	22mm	11mm	BQ1016
BQ8094	M10 x 1	26mm	11mm	BQ1016
BQ8099	M10 x 1.25	22mm	11mm	BQ1016
BQ8099SS	M10 x 1.25	22mm	11mm	BQ1016
BQ8075	M10 x 1.5	20mm	11mm	BQ1016
BQ8086	M10 x 1.5	23mm	11mm	BQ1016
BQ8086SS	M10 x 1.5	23mm	11mm	BQ1016
BQ8088	M10 x 1.5	27mm	11mm	BQ1016
BQ8087	M11 x 1.25	23mm	11mm	BQ1118
BQ8098	M12 x 1	21.3mm	13mm	BQ1218
BQ8078	M12 x 1.25	25mm	13mm	BQ1218
BQ8092	M12 x 1.5	25mm	13mm	BQ1218

**Double**



Part Number	Thread	Stud Length	Hex	Washer
BQ8085	3/8-24 UNF	34.5mm	7/16"	BQ3858
BQ8083	M10 x 1	34.5mm	11mm	BQ1016
BQ8084	M10 x 1.25	34.5mm	11mm	BQ1016

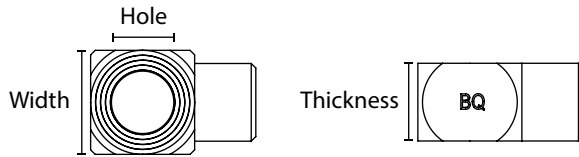
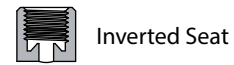
BQ8085 has a plain hex profile rather than round.



See page 13 for assortment kit BQ7001. **Banjo Adapters**

**Square**

Part Number	Thread	Hole	Thickness	Width
BQ60	3/8-24 UNF	10.2mm	1/2"	17mm
BQ62	7/16-24 UNS	11.2mm	14mm	18mm
BQ63	1/2-20 UNF	12.9mm	16mm	20mm
BQ61	M10 x 1	10.2mm	13mm	17mm



**Round**

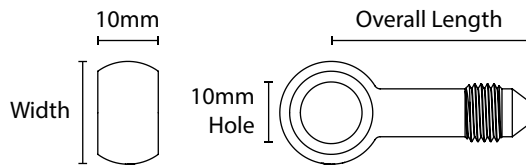
Part Number	Thread	JIC	Width	Overall Length
BQ150	3/8-24 UNF	-3	17mm	42mm
BQ151	3/8-24 UNF	-3	17mm	19.6mm
BQ152	3/8-24 UNF	-3	17mm	39.2mm
BQ155	7/16-20 UNF	-4	18mm	42mm



**BQ151**

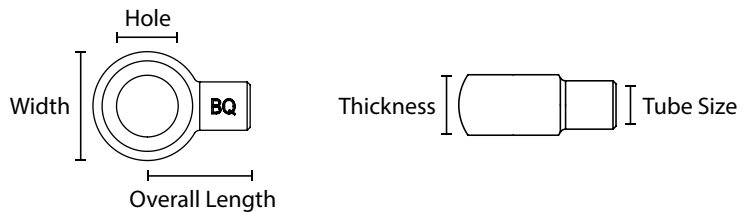
**BQ150 and BQ155**  
both have a long tube.

**BQ152**  
*JIC Union*

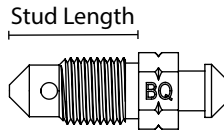


See page 5 for brazing/welding rods. **Weld-On Banjo Heads**

Part Number	Hole	Thickness	Width	Tube Size	Overall Length
BQ225	7/16"	10mm	19mm	3/16"	27.5mm
BQ223	10.2mm	8mm	17mm	3/16"	25.5mm
BQ224	10.2mm	10mm	18mm	3/16"	26mm
BQ178	12.2mm	12mm	22mm	3/8"	27mm
BQ179	14.2mm	14mm	24mm	3/8"	28mm



**Bleed Screws** See page 13 for assortment kit BQ7014.



**Bleeder caps**

- BQ315 Small
- BQ316 Large



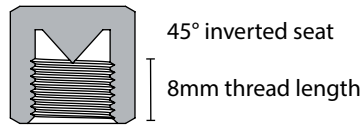
**BQ181 Bleed Screw Repair Kit**  
Rescue your brake component that has a stripped or broken bleed screw. Simply drill and tap to 1/8-27 NPT.

Part Number	Thread	Stud Length	Hex Size	Cap Size
BQ4439	1/4-28 UNF	15.3 mm	7 mm	Small
BQ4438	5/16-24 UNF	17.5 mm	5/16"	Large
BQ4433	3/8-24 UNF	20.8 mm	3/8"	Large
BQ4445	7/16-20 UNF	20.5 mm	7/16"	Large
BQ4444	7/16-24 UNS	24.5 mm	7/16"	Large
BQ4436	M7 × 1	12.5 mm	8 mm	Small
BQ4441	M7 × 1	21.5 mm	7 mm	Small
BQ4443	M8 × 1	17.5 mm	8 mm	Large
BQ4442	M8 × 1.25	22.1 mm	8 mm	Large
BQ4435	M10 × 1	19.5 mm	10 mm	Large
BQ4434	M10 × 1	24.1 mm	10 mm	Large
BQ4446	M10 × 1.25	20.4 mm	10 mm	Large
BQ4440	M10 × 1.5	17.9 mm	10 mm	Large

See page 17 for bleed screw removal solutions.

**Fitting Caps and Plugs** See page 13 for assortment kit BQ7012.

**Caps**



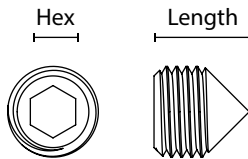
Part Number	Thread	Hex Size
BQ160	3/8-24 UNF	1/2"
BQ161	7/16-24 UNF	9/16"
BQ162	7/16-20 UNF	9/16"
BQ163	1/2-20 UNF	5/8"
BQ164	M10 × 1	13 mm
BQ165	M10 × 1.25	13 mm
BQ166	M12 × 1	16 mm
BQ167	M12 × 1.5	16 mm



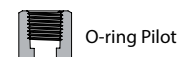
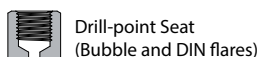
**BQ1020 Banjo Blocking-Off Tool**

See page 17 for line-stopper kits.

**Plugs**



Part Number	Thread	Hex Size
BQ19	3/8-24 UNF	3/16"
BQ26	7/16-24 UNS	1/4"
BQ18	M10 × 1	5 mm



Assortment Kits

**BQ7006 Imperial Tube Nuts**

PN	Description	Qty
BQ9176	3/8-24 UNF female	4
BQ57	7/16-20 UNF female	4
BQ9177	1/2-20 UNF female	4
BQ4276	3/8-20 BSF male	4
BQ4285	3/8-24 UNF male	4
BQ5555	3/8-24 UNF male	10
BQ4277	7/16-20 UNF male	4
BQ6118	7/16-20 UNF male	6
BQ2577	7/16-24 UNS male	10
BQ5842	7/16-24 UNS male	10
BQ2578	1/2-20 UNF male	6
BQ9184	1/2-20 UNF male	4
BQ9187	1/2-20 UNF male	4
BQ9185	9/16-18 UNF male	4
BQ9186	9/16-18 UNF male	4

**BQ7005 Metric Tube Nuts**

PN	Description	Qty
BQ9175	M10 × 1 female	4
BQ9174	M12 × 1 female	4
BQ9179	M12 × 1 female	4
BQ9178	M12 × 1.5 female	4
BQ4511	M10 × 1 male	10
BQ72	M10 × 1 DIN male	4
BQ4512	M10 × 1.25 male	6
BQ9188	M10 × 1.5 male	4
BQ9191	M11 × 1.5 male	4
BQ4513	M12 × 1 male	6
BQ9180	M12 × 1 male	4
BQ9192	M12 × 1.25 male	4
BQ9193	M12 × 1.5 male	4
BQ9182	M12 × 1.5 male	4
BQ9183	M14 × 1.5 male	4

**BQ7009 Female Unions**

PN	Description	Qty
BQ115	3/8-24 UNF drill-point	4
BQ110	3/8-24 UNF inverted	4
BQ111	7/16-24 UNS inverted	4
BQ114	M10 × 1 drill-point	4
BQ117	M10 × 1 inverted	4
BQ116	M12 × 1 inverted	4

**BQ7002 3-way Tube Tees**

PN	Description	Qty
BQ93	1/8-27 NPT	2
BQ90A	3/8-24 UNF drill-point	2
BQ56A	3/8-24 UNF inverted	2
BQ92A	7/16-24 UNS inverted	2
BQ91A	M10 × 1 inverted	2
BQ95A	M10 × 1 DIN	2

**BQ7004 Male-Female Adapters**

PN	Description	Qty
BQ48	1/8-27 NPT — 3/8-24 UNF inverted	4
BQ156	3/8-24 UNF — 3/8-24 UNF inverted	4
BQ45	3/8-24 UNF — 7/16-24 UNS inverted	4
BQ50	3/8-24 UNF — M10 × 1 inverted	4
BQ47	7/16-20 UNF — 3/8-24 UNF inverted	4
BQ46	7/16-24 UNS — 3/8-24 UNF inverted	4
BQ120	1/2-20 UNF — 3/8-24 UNF inverted	4
BQ122	1/2-20 UNF — 7/16-24 UNS inverted	4
BQ124	9/16-18 UNF — 3/8-24 UNF inverted	2
BQ123	9/16-18 UNF — 7/16-24 UNS inverted	2
BQ121	9/16-20 UNS — 3/8-24 UNF inverted	2
BQ125	M10 × 1 — 3/8-24 UNF drill-point	4
BQ49	M10 × 1 — 3/8-24 UNF inverted	4
BQ40	M10 × 1 — M10 × 1 drill-point	2
BQ41	M10 × 1 — M10 × 1.25 inverted	4
BQ44	M10 × 1 — M12 × 1 inverted	4
BQ42	M10 × 1.25 — M10 × 1 inverted	4
BQ43	M12 × 1 — M10 × 1 inverted	4

**BQ7010 Male-Male Adapters**

PN	Description	Qty
BQ135	3/8-24 UNF — 3/8-24 UNF	4
BQ131	3/8-24 UNF — 7/16-20 UNF	4
BQ134	7/16-24 UNS — 7/16-20 UNF	4
BQ129	M10 × 1 — 3/8-24 UNF	4
BQ130	M10 × 1.5 — 3/8-24 UNF	4
BQ144	M12 × 1 — 3/8-24 UNF	4

**BQ7003 Bump Tube Adapters**

PN	Description	Qty
5MBT-5MJ	1/2-20 UNF — 1/2-20 UNF	4
7MBT-6MJ	11/16-18 UNF — 9/16-18 UNF	4
14MMBT-6MJ	M14 × 1.5 — 9/16-18 UNF	4
16MMBT-6FI	M16 × 1.5 — 5/8-18 UNF	4
16MMBT-6MJ	M16 × 1.5 — 9/16-18 UNF	4
18MMBT-6MJ	M18 × 1.5 — 9/16-18 UNF	4

**BQ7012 Brake Hose Plugs and Caps**

PN	Description	Qty
BQ160	3/8-24 UNF cap	2
BQ19	3/8-24 UNF plug	2
BQ161	7/16-24 UNS cap	2
BQ26	7/16-24 UNS plug	2
BQ163	1/2-20 UNF cap	2
BQ18	M10 × 1 plug	2
BQ164	M10 × 1 cap	2
BQ165	M10 × 1.25 cap	2
BQ166	M12 × 1 cap	2
BQ167	M12 × 1.5 cap	2
BQ1020	Banjo Blocking-Off Tool	1

**BQ7000 Copper Washers**

PN	Description	Qty
BQ3858	3/8" ID	20
BQ1118	7/16" ID	20
BQ1320	1/2" ID	20
BQ1421	9/16" ID	10
BQ1016	10mm ID	20
BQ1218	12mm ID	20
BQ1522	15mm ID	10
BQ1624	16mm ID	10

**BQ7005 Banjo Bolts**

PN	Description	Qty
BQ8093	3/8-24 UNF	6
BQ8096	7/16-20 UNF	4
BQ8089	7/16-20 UNF	4
BQ8090	7/16-24 UNS	4
BQ8097	1/2-20 UNF	4
BQ8095	M10 × 1	6
BQ8099	M10 × 1.25	4
BQ8086	M10 × 1.5	4
BQ8088	M10 × 1.5	4
BQ8087	M11 × 1.25	4
BQ8098	M12 × 1	4
BQ8092	M12 × 1.5	4

**BQ7001 Banjo Unions & Adapters**

PN	Description	Qty
BQ60	3/8-24 UNF, 10mm hole	4
BQ150	3/8-24 UNF, 10mm hole	4
BQ151	3/8-24 UNF, 10mm hole	4
BQ62	7/16-24 UNS, 7/16" hole	4
BQ63	1/2-24 UNF, 1/2" hole	4
BQ61	M10 × 1, 10mm hole	4

**BQ7014 Bleed Screws**

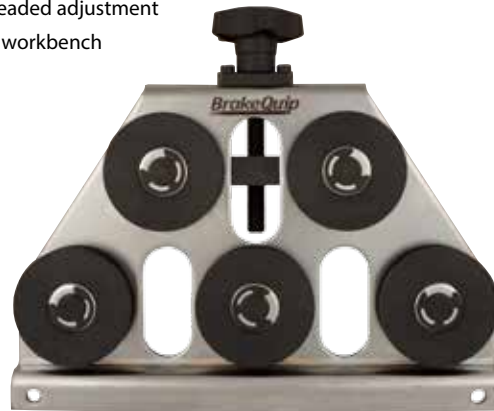
PN	Description	Qty
BQ4439	1/4-28 UNF	4
BQ4438	5/16-24 UNF	4
BQ4433	3/8-24 UNF	6
BQ4444	7/16-24 UNS	4
BQ4445	7/16-20 UNF	4
BQ4441	M7 × 1	4
BQ4443	M8 × 1	4
BQ4442	M8 × 1.25	4
BQ4435	M10 × 1 short	4
BQ4434	M10 × 1 long	4
BQ4446	M10 × 1.25	4
BQ4440	M10 × 1.5	4
BQ315	Small Cap	10
BQ316	Large Cap	10

## Tube Workers — Straighteners

### BQ1028 *Tube Straightener*

The BQ1028 provides the average shop the ability to complete a professional tube installation by forming coiled tube into straight sections of any length, offering precise tube routing and reducing the number of unions required. Adjust the wheels to the tube size and pull the tube through the tool to straighten.

- for 3/16" to 1/2" light-walled, annealed tube, including stainless steel
- Non-marking ABS wheels
- 5-point precision and fine-threaded adjustment
- Vice mount or bolt straight to workbench
- Smooth ball bearing action
- Heavy-duty construction



**BQ1028-75**  
*Replacement wheel*



### BQ405 *Tube-Straightening Pliers*

Remove imperfections or fix mistakes with the BQ405 pliers.

- Straightens incorrect bends in 3/16" and 1/4" tube, including stainless steel
- Makes tight-radius bends, up to 90°, for both 3/16" and 1/4" tube
- The flat side of the mandrel provides a guide surface for cutting

## Cutters

### BQ601 and BQ602 *Metal Tube Cutters*

These tube cutters have a heavy-duty wheel for cutting stainless steel or other light-walled tubing, 3/16" to 5/8".



**BQ601** *Mini Tube Cutter*  
Great for cutting in tight places.

### BQ602 *Professional Tube Cutter*

Replacement blade is BQ602C.



### BQ2103 *Hose Cutter*

This heavy duty tool cuts hose clean and square with ease. The blade has two cutting points for double life.



**BQ2101B**  
*Replacement blade*

Tube Workers — Benders

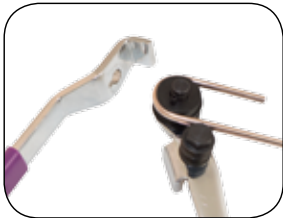
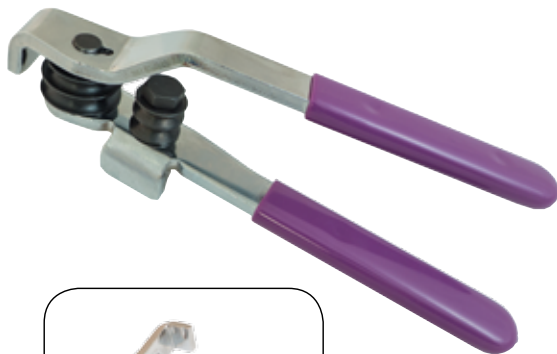
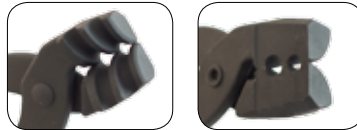
**BQ402 Brake Tube Pliers**

For use on 3/16" and 1/4" brake tube.

These pliers are perfect for working in constrained areas under a vehicle to

- align the tube and nut with the port during installation
- put a tight 90° bend behind a tube nut (such as a master cylinder drop)

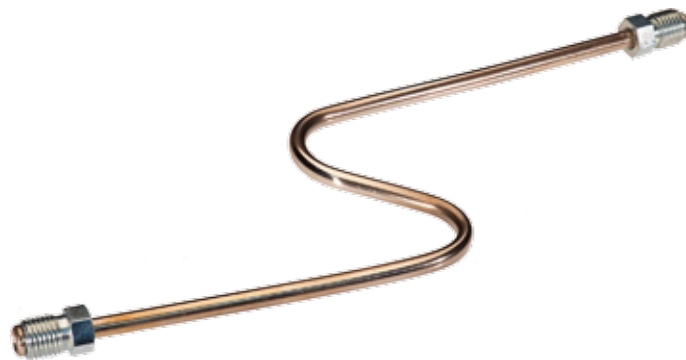
One side of the tool end is flat to facilitate cutting.



**BQ406 Professional Tube Bender**

For use on 3/16" and 1/4" brake tube, this bender is easy to use and yields professional results. Bend on the vehicle or mount the tool in a vise for precision work or mass production.

- Low-friction rollers make for easy precision work
- Smooth roller channels provide a clean, scratch free finish
- Tight radius bends up to 180°
- Handles separate for quick and easy tube removal



**BQ613 Adjustable Tube Bender**

The center wheel on this bender allows for quick changes between tube sizes. This tool is best when mounted in a vise, but it can be used under the vehicle as well.

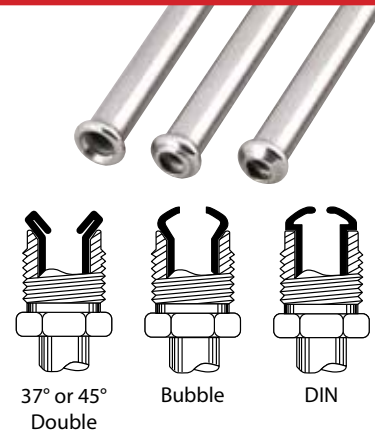
- One bender for many tube sizes: 3/16", 1/4", 5/16", 3/8", 6mm, 8mm, and 10mm.
- Bends up to 180°
- Double joint provides improved leverage when bending large tubing



**Flaring Tools** See pages 2 and 3 for stainless steel and cunifer tubing.

BrakeQuip *High-Speed Flaring Tools* are the industry standard for accurate and consistent flares.

- Smooth channel dies minimize tube scarring and deformation for a show quality finish.
- The cam-and-lever design, combined with ball-detent turrets, provide fast and easy single, double, bubble, and DIN flares.
- BrakeQuip flaring tools are designed to be used in a bench vise or with our table flange mount (BQ350-1).
- Replacement components are available, all the way down to the individual punches on the turrets.



37° or 45° Double      Bubble      DIN

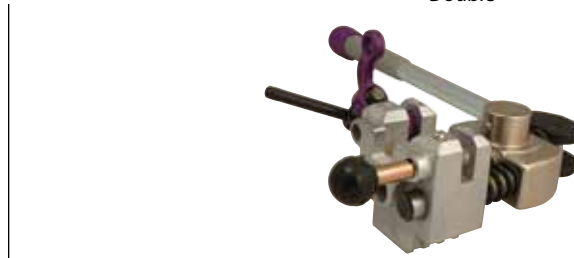


Tool Body and Handle



Dies and Turrets

Part Number	<b>BQ350A</b>
45° flares	3/16", 1/4", 5/16", 3/8" 4.75mm, 6mm, 8mm, 10mm
37° flares	3/16", 1/4", 5/16", 3/8", 1/2"
DIN flares	3/16", 1/4"



Part Number	<b>BQ350</b>
45° flares	3/16", 1/4", 5/16", 3/8", 1/2" 4.75mm, 6mm, 8mm, 10mm
37° flares	3/16", 1/4", 5/16", 3/8", 1/2"
DIN flares	3/16", 1/4"



Part Number	<b>BQ351</b>
45° flares	3/16", 1/4", 5/16", 3/8", 1/2"
37° flares	none
DIN flares	3/16"



Part Number	<b>BQ352</b>
45° flares	none
37° flares	3/16", 1/4", 5/16", 3/8", 1/2"
DIN flares	none

Already have the **BQ351** and just need 37° dies and turrets? Order **BQ352-BQ** to get the dies and turrets pictured with the **BQ352**.

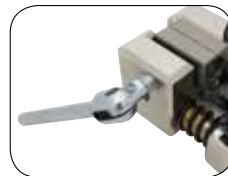
*The BQ350A features ...*



a die-cast steel body for added strength and an extra-long handle for more leverage



a tube-setting tab to ensure proper placement in the dies



a die-clamp bolt for quick die swaps



**BQ350-1 Mounting Flange**

Works with all BrakeQuip flaring tools. Included with the **BQ350A**.



Other Tools

**BQ2100 Thread Identification Kit**

A kit of the highest quality, the **BQ2100** has gauges for the vast majority of brake plumbing threads, both male and female. Gauges are color-coded for fast selection. The threads are hardened for long life, and each gauge is available separately as a replacement part.

The gauges can also be used to block-off fluid ports during service.

Imperial Sizes	Metric Sizes
3/8-20 BSF	M9 x 1
3/8-24 UNF	M10 x 1
7/16-20 UNF	M10 x 1.25
7/16-24 UNS	M10 x 1.5
1/2-20 UNF	M11 x 1.25
9/16-18 UNF	M12 x 1
9/16-20 UNS	M12 x 1.25
	M12 x 1.5
	M14 x 1.5



**BQ2200 Bleeder Buster Kit**

Remove and replace frozen bleeder screws like a pro. Here's how:

1. Insert filler wire into the bleed screw and cut flush with the end
2. Install the Bleed Screw Removal Tool into an air chisel and shock the bleed screw from the top
3. Unscrew the bleed screw with a conventional tool

The kit includes the bleed screw removal tool and an assortment of filler wire, bleed screws, and caps for all applications. The tool, screws, caps, and filler wire are all available individually as replacement parts.



**BQ2200-1**  
*Bleed Screw Removal Tool*

**BQ2200W**  
*Filler Wire Replenishment Kit*

See page 12 for a complete selection of bleed screws and caps.

**BQ407 and BQ408 Line Stopper Kits**

Prevent fluid leaks and contamination during service. Simply slide the appropriate stopper around the tube nut or banjo head and release. The spring-loaded plunger will seal around the fitting and prevent leaks.

Note: the 5/16" stopper in the BQ407 kit is also suitable for 3/16" and 1/4" lines.

Stopper Size	BQ407 Qty	BQ408 Qty
3/16"-1/4"	—	2
5/16"	1	2
3/8"	1	1
1/2"	1	1
Banjo	1	2



**BQ407 4-Piece Stopper Kit**



**BQ408 8-Piece Stopper Kit**

Comes in slide-lock clamshell case.

**Fuel Fittings**

**Quick Connects**

*Thumb-release convenience. No special tools required. Works with both domestic and foreign vehicles.*



*Straight*

Part Number	Male	Female
FL08-4-5	1/4"	5/16"
FL08-5-5	5/16"	5/16"
FL08-5-6	5/16"	3/8"
FL08-6-5	3/8"	5/16"
FL08-6-6	3/8"	3/8"

*90° Bend*

Part Number	Male	Female
FL09-5-5	5/16"	5/16"
FL09-5-6	5/16"	3/8"
FL09-6-5	3/8"	5/16"
FL09-6-6	3/8"	3/8"



*Quick Connector Tubes*

Part Number	Description
FL05-4	1/4" quick connect to 8mm FuelFlex - straight
FL03-5	5/16" quick connect to 8mm FuelFlex - straight
FL03-6	3/8" quick connect to 10mm FuelFlex - straight
FL04-6	3/8" quick connect to 3/8" quick connect - straight

**FuelFlex Connectors**



Part Number	Description
FL20-5	8mm FuelFlex to 8mm FuelFlex - 90°
FL20-6	10mm FuelFlex to 10mm FuelFlex - 90°

**FuelFlex Reducers**



Part Number	Description
FL06-5-4	8mm FuelFlex to 1/4" FuelFlex
FL06-6-5	10mm FuelFlex to 8mm FuelFlex

**FuelFlex to Rubber Hose**



Part Number	Description
FL02-5	8mm FuelFlex to 5/16" rubber hose
FL02-6	10mm FuelFlex to 3/8" rubber hose

**Threaded Connectors**



*Straight*

Part Number	Tube End	End Form	Thread	Length
FL07-5	5/16" rubber hose	bump	M14 × 1.5	230mm
FL07-6	3/8" rubber hose	bump	M16 × 1.5	230mm
FL12-14mm	8mm FuelFlex	double flare	M14 × 1.5	90mm
FL13-5	8mm FuelFlex	bump	M14 × 1.5	155mm
FL14-5	8mm FuelFlex	bump	M14 × 1.5	100mm
FL13-6	10mm FuelFlex	bump	M16 × 1.5	155mm
FL14-6	10mm FuelFlex	bump	M16 × 1.5	100mm

*Bent*

Part Number	Tube End	End Form	Thread	Angle
FL11-14mm	8mm FuelFlex	double flare	M14 × 1.5	30°
FL15	10mm FuelFlex	bump	M16 × 1.5	180°

**Fuel Fittings**



**FuelFlex Tubing**

Part Number	Size	Coil Length
T8-FF	8mm (5/16")	25ft
T10-FF	10mm (3/8")	25ft

Note: In keeping with industry conventions for plastic tubing sizes, FuelFlex tubing is measured by outer diameter.



**Spring Mandrels**

Part Number	Size
BQ318	8mm (5/16")
BQ319	10mm (3/8")

Permanently form fuel tubing without kinking.



**FuelFlex Unions**

Part Number	Size
FL01-5	8mm
FL01-6	10mm



**Male-Female Adapters**

Part Number	Male	Female	Seat
FL10-5 brass	8mm FuelFlex	M14 × 1.5	bump
FL10-6S	10mm FuelFlex	M16 × 1.5	bump
FL10-14mm	8mm FuelFlex	M14 × 1.5	inverted



**Compression Fittings**

Part Number	Description
FL37	8mm FuelFlex — 8mm FuelFlex
FL36	8mm FuelFlex — 5/16" metal tube
FL39	10mm FuelFlex — 10mm FuelFlex
FL38	10mm FuelFlex — 3/8" metal tube



**Bump Tube Nuts**

Part Number	Size
BQ9148	M16 × 1.5 – 3/8"
BQ9149	M14 × 1.5 – 5/16"



**Fuel Pressure Repair Kit (Check Valve)**

FL21	8mm (5/16")
FL22	10mm (3/8")



**Tube Support Clamps**

FL34	10mm (3/8")
FL35	8mm (5/16")



**360° Tube Clamps**

FL26	10mm (3/8")
FL25	8mm (5/16")



**BQ412 Tube Clamp Pliers**

Part Number	Qty	Part Number	Qty	Part Number	Qty
<b>Tubing</b>		<b>FuelFlex Reducers</b>		<b>Compression Fittings</b>	
T8-FF	25ft	FL06-6-5	2	FL36	2
T10-FF	25ft	<b>FuelFlex Adapters</b>		FL37	2
<b>Quick Connects</b>		FL02-5	2	FL38	2
FL08-4-5	2	FL02-6	2	FL39	2
FL08-5-5	2	<b>Theaded Connectors</b>		<b>Bump Tube Nuts</b>	
FL08-5-6	2	FL07-5	2	BQ9148	4
FL08-6-5	2	FL07-6	2	BQ9149	4
FL08-6-6	2	FL11-14mm	2	<b>Screws and Clamps</b>	
FL09-5-5	2	FL12-14mm	2	BQ811	20
FL09-5-6	2	FL13-5	2	FL25	20
FL09-6-5	2	FL13-6	2	FL26	20
FL09-6-6	2	FL14-5	2	FL34	20
<b>Quick Connector Tubes</b>		FL14-6	2	FL35	20
FL03-5	2	FL15	1	<b>Tools</b>	
FL03-6	2	<b>FuelFlex Unions</b>		BQ318	1
FL04-6	2	FL01-5	2	BQ319	1
FL05-4	2	FL01-6	2	BQ-01 cutter	1
<b>FuelFlex Connectors</b>		<b>Male-Female Adapters</b>		BQ412	1
FL20-5	2	FL10-5	1	<b>Tube Protection</b>	
FL20-6	2	FL10-6S	1	BQ313-SV	5ft
		FL10-14mm	1		

**BQFL4500 Fuel Line Kit**

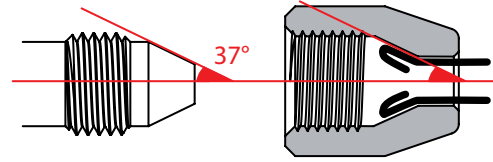


The BrakeQuip Professional Fuel Line Kit comes with dozens of components and fittings, from quick connects and adapters to pliers, clamps, and heat shields. With over 180 pieces and 50 feet of FuelFlex Tubing, this kit is a complete fuel line solution for almost any vehicle.

## JIC Fittings

JIC (Joint Industry Council) fittings are defined by SAE J514 and use a 37° sealing surface. They are commonly found on aftermarket adapters, bias valves, calipers, and gauges. JIC fittings should not be mixed with 45° flares, or vice-versa.

*Note on JIC vs AN fittings: JIC fittings have the same dimensions as their corresponding AN (Army-Navy) fittings. The difference is that AN fittings are specified to extreme tolerances for aerospace applications.*



Part Number	JIC	Description	Page	Part Number	JIC	Description	Page	
<i>Male Tees</i>				<i>Male-Male Adapters (continued)</i>				
BQ360	-3	Bolt mount male tube tee	7	BQ128	-3	JIC to M10 x 1.25	9	
BQ361	-4	Bolt mount male tube tee		BQ130	-3	JIC to M10 x 1.5		
<i>Weld-On Studs</i>				5	BQ131	-4	JIC to 3/8-24 UNF	
BQ153	-3	Steel stud for 3/16" tube		BQ134	-4	JIC to 7/16-24 UNS		
BQ170	-6	Aluminum stud for 3/8" tube		BQ145	-4	JIC to M10 x 1		
BQ172	-8	Aluminum stud for 1/2" tube		BQ176	-4	JIC to M10 x 1, long		
BQ173	-10	Aluminum stud for 5/8" tube		BQ144	-4	JIC to M12 x 1		
BQ226	-6	Steel stud for 3/8" tube		BQ149	-4	JIC to M12 x 1.25		
BQ227	-6	Steel stud for 10mm tube		<i>Bump Tube Adapters</i>				
BQ228	-6	Steel stud for 1/2" tube		5MBT-5MJ	-5	JIC to 1/2-20 UNF	9	
<i>Male Unions</i>				6	7MBT-6MJ	-6	JIC to 11/16-18 UNS	
BQ292	-3	Steel JIC union		14MMBT-6MJ	-6	JIC to M14 x 1.5		
BQ292SS	-3	Stainless steel JIC union		16MMBT-6MJ	-6	JIC to M16 x 1.5		
BQ293SS	-3	Stainless steel JIC union, long		18MMBT-6MJ	-6	JIC to M18 x 1.5		
<i>Male-Male Adapters</i>				9	<i>Banjo Adapters</i>			
BQ135	-3	JIC to 3/8-24 UNF		BQ150	-3	Round banjo head, long	11	
BQ132	-3	JIC to 1/4-28 UNF		BQ151	-3	Round banjo head		
BQ168	-3	JIC to 1/2-20 UNF		BQ152	-3	Round banjo union (2 studs)		
BQ157	-3	JIC to 1/8-28 BSPP		BQ155	-4	Round banjo head, long		
BQ129	-3	JIC to M10 x 1						

## Stainless Steel

Part Number	Description	Page	Part Number	Description	Page	
<i>Banjo Bolts</i>			<i>Male Tube Nuts</i>			
BQ8093SS	3/8-24 UNF	10	BQ5555SS	3/8-24 UNF	4	
BQ8095SS	M10 x 1		BQ5842SS	7/16-24 UNS		
BQ8099SS	M10 x 1.25		BQ2577SS	7/16-24 UNS		
BQ8086SS	M10 x 1.5		BQ4511SS	M10 x 1		
<i>Bulkhead Nuts</i>			7	BQ4513SS	M12 x 1	
BQ78SS	3/8-24 UNF		<i>Male Unions</i>			
<i>Clips</i>			6	BQ292SS	3/8-24 UNF (-3 JIC)	
BQ3055SS	Universal Clip		BQ293SS	3/8-24 UNF (-3 JIC), long	6	
<i>Female Tees</i>			7	<i>Spring Guards</i>		
BQ56ASS	3/8-24 UNF, bolt mount		BQ231	for 3/16" tube	3	
BQ177SS	3/8-24 UNF, special tube tee		BQ232	for 1/4" tube		
<i>Female Unions</i>			6	<i>Tubing</i>		
BQ111SS	7/16-24 UNS		T187-20SS	3/16" tube, 20ft coil	3	
			T250-20SS	1/4" tube, 20ft coil		
			T312-20SS	5/16" tube, 20ft coil		
			T375-20SS	3/8" tube, 20ft coil		

<u>Part Number</u>	<u>Page</u>	<u>Part Number</u>	<u>Page</u>	<u>Part Number</u>	<u>Page</u>	<u>Part Number</u>	<u>Page</u>
5MBT-5MJ	9	BQ87	7	BQ161	12	BQ315	12
7MBT-6MJ	9	BQ89	7	BQ162	12	BQ316	12
14MMBT-6MJ	9	BQ90A	7	BQ163	12	BQ318	19
16MMBT-6FI	9	BQ91A	7	BQ164	12	BQ319	19
16MMBT-6MJ	9	BQ92A	7	BQ165	12	BQ320	3
18MMBT-6MJ	9	BQ93A	7	BQ166	12	BQ321	3
BQ-01	19	BQ94A	7	BQ167	12	BQ322	3
BQ13	7	BQ95A	7	BQ168	9	BQ350	16
BQ18	12	BQ110	6	BQ170	5	BQ350-1	16
BQ19	12	BQ111	6	BQ171	5	BQ350A	16
BQ26	12	BQ111SS	6	BQ172	5	BQ351	16
BQ33	5	BQ112	6	BQ173	5	BQ352	16
BQ34	5	BQ113	6	BQ174	5	BQ352-BQ	16
BQ40	8	BQ114	6	BQ176	9	BQ360	7
BQ41	8	BQ115	6	BQ177SS	7	BQ361	7
BQ42	8	BQ116	6	BQ178	11	BQ378	7
BQ43	8	BQ117	6	BQ179	11	BQ379	8
BQ44	8	BQ119	6	BQ181	12	BQ380	8
BQ45	8	BQ120	8	BQ182	9	BQ383	8
BQ46	8	BQ121	8	BQ183	9	BQ402	15
BQ47	8	BQ122	8	BQ187	8	BQ405	14
BQ48	8	BQ123	8	BQ202	3	BQ406	15
BQ49	8	BQ124	8	BQ222	6	BQ407	17
BQ50	8	BQ125	8	BQ223	11	BQ408	17
BQ55	5	BQ127	8	BQ224	11	BQ412	19
BQ56A	7	BQ128	9	BQ225	11	BQ601	14
BQ56ASS	7	BQ129	9	BQ226	5	BQ602	14
BQ57	5	BQ130	9	BQ227	5	BQ602C	14
BQ60	11	BQ131	9	BQ228	5	BQ613	15
BQ61	11	BQ132	9	BQ231	3	BQ813	10
BQ62	11	BQ134	9	BQ232	3	BQ1016	10
BQ63	11	BQ135	9	BQ244	10	BQ1020	12
BQ71	6	BQ141	5	BQ246	8	BQ1028	14
BQ72	4	BQ144	9	BQ247	8	BQ1028-75	14
BQ75	7	BQ145	9	BQ248	8	BQ1118	10
BQ77	7	BQ147	6	BQ249	6	BQ1218	10
BQ78	7	BQ148	6	BQ250	6	BQ1320	10
BQ78SS	7	BQ149	9	BQ260	8	BQ1421	10
BQ79	7	BQ150	11	BQ261	8	BQ1522	10
BQ80	7	BQ151	11	BQ262	8	BQ1624	10
BQ81	7	BQ152	11	BQ264	7	BQ2100	17
BQ82	7	BQ153	5	BQ265	7	BQ2101B	14
BQ83	7	BQ155	11	BQ292	6	BQ2103	14
BQ84	7	BQ156	8	BQ292SS	6	BQ2200	17
BQ85	7	BQ157	9	BQ293SS	6	BQ2200-1	17
BQ86	7	BQ160	12	BQ313-SV	3	BQ2200W	17

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BQ3053	6	BQ8076	10	BQ9191	4	FL14-5	18
BQ3055SS	6	BQ8077	10	BQ9192	4	FL14-6	18
BQ3858	10	BQ8078	10	BQ9193	4	FL15	18
BQ4276	4	BQ8083	10	BQ9194	4	FL20-5	18
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BQ4285	4	BQ8085	10	BQ9196	4	FL21	19
BQ4433	12	BQ8086	10	BQ9197	4	FL22	19
BQ4434	12	BQ8086SS	10	BQ9198	4	FL25	19
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BQ4510	4	BQ8097	10	FL01-6	19	T187-25SE	2
BQ4511	4	BQ8098	10	FL02-5	18	T187-100CN	2
BQ4511LT	4	BQ8099	10	FL02-6	18	T187-100SE	2
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BQ4513SS	4	BQ9157	4	FL06-5-4	18	T250-100SE	2
BQ5555	4	BQ9166	4	FL06-6-5	18	T312-20SS	3
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BQ5842SS	4	BQ9175	5	FL08-4-5	18	T375-20SS	3
BQ6118	4	BQ9176	5	FL08-5-5	18	T375-25CN	2
BQ7000	13	BQ9177	5	FL08-5-6	18	T375-25SE	2
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- Low-Profile Brake Hoses
- Power Steering Hoses
- Metal Tube
- Hardware
- Tools



## Replacement or Custom Brake, Clutch, and Power Steering Hoses

Replace your old hoses to improve system performance. Custom hoses can reduce the number of leak points, provide for proper hose routing, and offer a personalized touch.



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Every BrakeQuip brake hose is pressure tested to 3000 psi for quality that you can trust.

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////// INNOVATIVE SOLUTIONS FOR AUTOMOTIVE TUBES AND HOSES

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