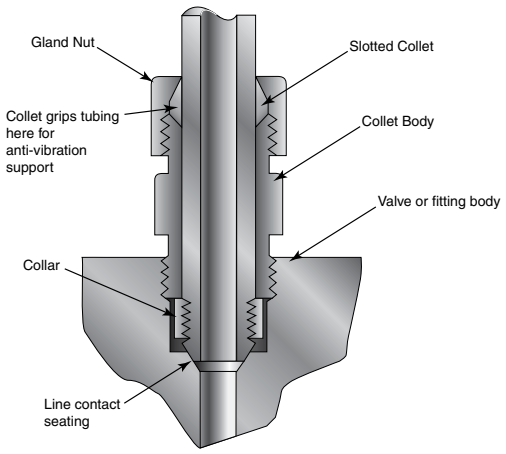
Anti-Vibration Collet Gland Assembly

Pressures to 20,000 psi (1379 bar)

Series KCBGLX Sizes to 1-1/2" (38.10 mm)
For extreme conditions of vibration and/or shock in tubing systems, such as an unsupported line near a compressor, coned-and-threaded connections are offered with the Parker Autoclave anti-vibration collet gland assembly. Completely interchangeable with standard Parker Autoclave Engineers medium pressure connections, the collet gland assembly provides equally effective pressure handling capability.

In standard connection systems, the bending stresses on the threaded area of the tubing imposed by excessive vibration or movement may cause premature fatigue failure of the tubing at the back of the thread. By moving the stress concentration back to the unthreaded part of the tubing and providing a wedge-type gripping action, the Parker Autocalve Engineers anti-vibration collet gland assembly strengthens the entire structure. With stress concentration reduced and overall stress level maintained well below the endurance limit of the material, the result is virtually unlimited vibrational fatigue life.

A less complex and more economical design than other vibration-resistant connections, the collet gland assembly utilizes the same coned-and-threaded features of Parker Autoclave Engineers medium pressure connections. Series KCBGLX extends the gland nut to provide room for the tapered slotted collet. The design provides a slight difference in angles between the collet and the corresponding taper of the gland nut. As the nut is tightened, it acts to wedge the tapered end of the collet into a gripping engagement with the tubing.



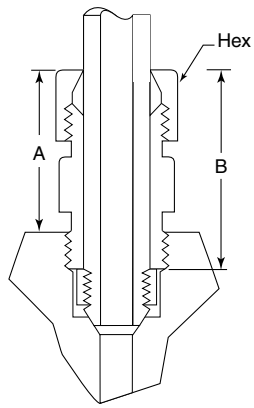
Series KCBGLX
Pressures to 20,000 (1379 bar)

Materials

Type 316 stainless steel with bonded dry film (316 MC) moly lubricant.

Note: 1) To order components with anti-vibration assemblies add -K to catalog numbers.
2) Special material assemblies may be supplied with four flats in place of standard hex.

Catalog Number	Part	Outside Diameter Tubing Size in. (mm)	Dimensions - inches (mm)		
			A	B	Hex
KCBGLX40-316MC	Complete assembly	1/4 (6.35)	0.94 (23.88)	1.19 (30.23)	0.62 (15.75)
KCBLX40-316MC	Collet body				
KCCLX40-316MC	Slotted collet				
KGLX40-316MC	Gland nut				
KCBGLX60-316MC	Complete assembly	3/8 (9.53)	1.19 (30.23)	1.50 (38.10)	0.81 (20.63)
KCBLX60-316MC	Collet body				
KCCLX60-316MC	Slotted collet				
KGLX60-316MC	Gland nut				
KCBGLX90-316MC	Complete assembly	9/16 (14.29)	1.41 (35.81)	1.78 (45.21)	0.94 (23.88)
KCBLX90-316MC	Collet body				
KCCLX90-316MC	Slotted collet				
KGLX90-316MC	Gland nut				
KCBGLX120-316MC	Complete assembly	3/4 (19.05)	1.59 (40.37)	2.00 (50.80)	1.25 (31.75)
KCBLX120-316MC	Collet body				
KCCLX120-316MC	Slotted collet				
KGLX120-316MC	Gland nut				
KCBGLX160-316MC	Complete assembly	1 (25.40)	1.69 (42.93)	2.38 (60.45)	1.50 (38.10)
KCBLX160-316MC	Collet body				
KCCLX160-316MC	Slotted collet				
KGLX160-316MC	Gland nut				
KCBGLX240-316MC	Complete assembly	1-1/2 (38.10)	2.75 (69.85)	3.63 (92.20)	2.25 (57.15)
KCBLX240-316MC	Collet body				
KCCLX240-316MC	Slotted collet				
KGLX240-316MC	Gland nut				



Series KCBGLX
20,000 psi (1379 bar)

Standard Parker Autoclave Engineers collar not included in complete assembly

All dimensions for reference only and subject to change.
For prompt service, Parker Autoclave Engineers stocks select products. Consult your local representative.

All general terms and conditions of sale, including limitations of our liability, apply to all products and services sold.