



At SSP, we are proud to be an American manufacturing success story.

100% of our products are made in America. All of our manufacturing is performed in our 165,000 sq. ft. facility located near Cleveland, Ohio. Our facility is the largest vertically integrated, single-site operation in the industry. In addition to manufacturing and assembly, we have closed die forging, tool & die design, product engineering and testing operations under the same roof with customer service and management.

Made in America is good business. Not only do we make everything in America, we use American suppliers too. Buying American allows us to have better quality control and a more reliable supply chain. We can work more closely within our walls and with our suppliers to improve quality, reduce costs, and shorten lead times, which means faster service and better products for you.

Support where it counts. SSP products and services are supported by more than 4000 people and 350 distributor locations around the globe. For a distributor near you, contact SSP Customer Service or visit www.mySSP.com/distributors.

Materials	
Fittings	Corrosion resistant steel Class 316, Code K, per QQ-S-763
Seals*	Straight thread O-Ring Acrylonitrile-Butadiene (NBR) 90-durometer
	Nose seals Tetrafluoroethylene resin (TFE) per MIL-R-8791
Tube OD Sizes	
1/4" – 2"	

Temperature

Recommended Temperature	
TFE Seals	-320°F to 300°F

Pressure (Static)

Predicated on using stainless steel fittings and adequate tubing

Tube O.D.	Maximum Working Pressure PSI
1/4	9,900
3/8	6,900
1/2	7,400
3/4	7,000
1	6,500
1 1/4	6,300
1 1/2	5,600
2	5,500

Torque

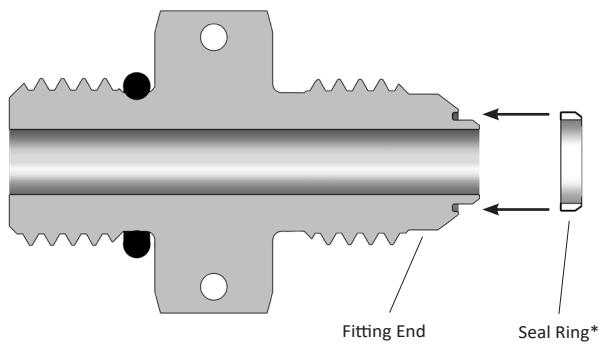
Apply Torque to minimum values. Back off one-quarter turn and re-tighten to minimum value. If leak occurs, vent line pressure and tighten nut to maximum torque.

Type of Fittings	Positionable Fittings, O-Ring Boss Fittings		Tube Assemblies Swivel Fittings		Bulkhead Nut	
Tube O.D.	in/lbs Torque Value					
	MIN	MAX	MIN	MAX	MIN	MAX
1/4	55	80	135	185	75	100
3/8	100	150	270	345	150	200
1/2	180	230	450	525	200	250
5/8	200	300	510	700	285	380
3/4	420	600	900	1100	450	650
1	600	840	1200	1400	650	900
1 1/4	720	960	1500	1800	800	1000
1 1/2	840	1080	2000	2300	900	1100
2	1000	1300	3200	3600	900	1100

Nose Seals

Provide superior protection against leakage in difficult to seal applications.

To achieve this superior sealing capability, a trepan groove is machined into the 37° flare, and a seal ring (TFE) is inserted. When assembled with the tubing, the primary seal is metal to metal. A secondary seal is Teflon to metal.



Reference: KSC-SPEC-Z-0008

* All UltraFlare® "KJ" Virgin PTFE seal rings need to be ordered separately.

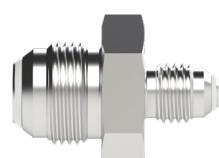
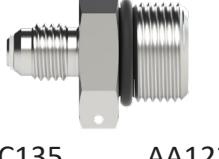


UltraFlare® KJ

Tube Fittings

Ultraflare® KJ tube fittings meet all of the requirements for flared tube fittings, including adjustable and swivel elbows, reducers, and tees suitable for use in accordance with KSC-SPEC-Z-0008.

UltraFlare® KJ fittings are designed to the requirements of KSC-GP-425 and AS1098 that are manufactured from Type 316 corrosion-resistant steel, condition A (code K), in accordance with QQ-S-763.

KJ-TR  KC103	AS1097	KJ-TER-2  KC106	AS4301	KJ-SRT  KC107	AS4302	KJ-GE  KC108	AS4303	KJ-SBT  KC109	AS4304 AA1209
KJ-GRT  KC110	AS4305	KJ-GBT  KC111	AS4306 AA1211	KJ-GC  KC112	AS4307 AA1212	KJ-BRTX  KC114	AS1365 AA1214	KJ-C  KC116	AS4309 AA1216
KJ-X  KC117	AS1367	KJ-E  KC118	AS1250 AA1218	KJ-T  KC123	AS1252 AA1223	KJ-BUX  KC124	AS1100 AA1224	KJ-LHU  KC125	AS1368 AA1225
KJ-LHU  KC126	AS1251	KJ-P  KC130	AS1369 AA1230	KJ-SE  KC131	AS4315 AA1231	KJ-GC  KC133	AS4317 AA1233	KJ-GC  KC135	AS4319 AA1235
KJ-N  KC142	AS4326	KJ-S  KC143	AS4327 AA1243	KJ-BUX  KC144	AS4328 AA1244	AKJ-Z-2  KC150	AS4329 AA1250	KJS-U  KC171	AS4347 AA1271
KJ-OU  KC175	AS5178 AA1275	K-BN  AN924							

* Above images show UltraFlare® "KJ" fittings with Virgin PTFE seal rings which need to be ordered separately.



- 1 Select the Family Designator from the Chart A. Example: KJ12-8GC
- 2 Add the Tube Size from Chart B. Example: KJ12-8GC
- 3 Add the Thread Size from Chart C. Example: KJ12-8GC
- 4 Add the Type of Fitting from Chart D. Example: KJ12-8GC
- 5 If part doesn't come with lockwire holes as standard add -2wire to the end of your part. For example KJ4LHU-2WIRE



The diagram illustrates a family connection between two branches. At the top, the word "Family" is followed by two columns: "Connection1" and "Connection2". Below these, two dark blue circles are arranged horizontally, each containing a white letter: "A" in the first circle and "B" in both the second and third circles. A horizontal line with a minus sign (-) is positioned between the second and third circles. To the right of this line, another horizontal line with a minus sign (-) is followed by two more dark blue circles, each containing a white letter: "D" in the first circle and "E" in the second circle. Below the middle row of circles, a third row contains a single dark blue circle with a white letter "C" inside.

KJ 8 GC
KJ 6 - 4 LHU - 2WIRE

Final Part Number
KJ8GC
KJ6-4LHU-2WIRE

FAMILY DESIGNATION	
KJ	<i>UltraFlare</i> ®

TUBE SIZE	
4	1/4
6	3/8
8	1/2
12	3/4
16	1
20	1-1/4
24	1-1/2
32	2

THREAD SIZE		
	ANPT	SAE
2	1/8 - 27	5/16 - 24
4	1/4 - 18	7/16 - 20
6	3/8 - 18	9/16 - 18
8	1/2 - 14	3/4 - 16
12	3/4 - 14	1 1/16 - 12
16	1 - 11 1/2	1 5/16 - 12
20	1 1/4 - 11-1/2	1 5/8 - 12
24	1 1/2 - 11 1/2	1 7/8 - 12
32	2 - 11 1/2	2 1/2 - 12

OPTIONS

CONFIGURATION TYPE			
BRTX	<i>Bulkhead Run Tee without Bulkhead Nut</i>	SC	<i>Female Swivel Straight</i>
BUX	<i>Bulkhead Union without Bulkhead Nut</i>	SE	<i>Female Swivel Elbow</i>
C	<i>Tube to Male Pipe Thread</i>	SRT	<i>Female Swivel Run Tee</i>
E	<i>Union Elbow</i>	T	<i>Union Tee</i>
GBT	<i>SAE Straight Thread Branch Tee</i>	TER-2	<i>Tube End Reducer</i>
GC	<i>Tube to SAE Straight Thread</i>	U	<i>Swivel Union</i>
GE	<i>SAE Straight Thread Elbow</i>	X	<i>Union Cross</i>
GRT	<i>SAE Straight Thread Run Tee</i>	LHU	<i>Large Hex Union</i>
P	<i>Plug</i>	OU	<i>Orifice Union</i>
SBT	<i>Female Swivel Branch Tee</i>		

** All UltraFlare® "KJ" Virgin PTFE nose seals need to be ordered separately.*

All KJ fittings are class 3A/3B threads per MIL-S-8879

Standard seals are NBR on straight thread ends.

Other Options may be available. Contact SSP for availability.

SSP

Founded 1926

Privately owned, third generation business

Modern single-site vertically integrated manufacturing facility

DFARS-compliant raw material

ISO 9001 quality management system

Limited Lifetime Warranty



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KJTF-26A

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UltraFlare® KJ Tube Fittings

