



UltraFlare® KJ Tube Fittings













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.

SSP Industry Standard Products Made Better

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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

Recomn	nended 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

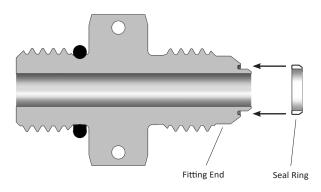
Torque

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					
Tube O.D.	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



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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	AS1097	KJ-TER-2	AS4301	KJ-SRT	AS4302	KJ-GE	AS4303	KJ-SBT	AS4304
)								•
KC103	AA1203	KC106	AA1206	KC107	AA1207	KC108	AA1208	КС109	AA1209
KJ-GRT	AS4305	KJ-GBT	AS4306	KJ-GC	AS4307	KJ-BRTX	AS1365	KJ-C	AS4309
KC110	AA1210	KC111	AA1211	KC112	AA1212	KC114	AA1214	KC116	AA1216
КЈ-Х	AS1367	KJ-E	AS1250	KJ-T	AS1252	KJ-BUX	AS1100	KJ-LHU	AS1368
KC117	AA1217	KC118	AA1218	KC123	AA1223	KC124	AA1224	KC125	AA1225
KJ-LHU	AS1251	KJ-P	AS1369	KJ-SE	AS4315	KJ-GC	AS4317	KJ-GC	AS4319
KC126	AA1226	KC130	AA1230	KC131	AA1231	KC133	AA1233	KC135	AA1235
KJ-N	AS4326	KJ-S	AS4327	KJ-BUX	AS4328	AKJ-Z-2	AS4329	KJS-U	AS4347
KC142	AA1242	KC143	AA1243	KC144	AA1244	KC150	AA1250	KC171	AA1271
KJ-OU		K-BN	AS5178						
	•								
KC175	AA1275	AN924							

How to Order UltraFlare[®] KJ Fittings

Select the Family Designator from the Chart A. Example: KJ12-8GC Add the Tube Size from Chart B. Example: KJ12-8GC (2) 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 Connection1 Connection2 Family Options Type **Final Part Number** КJ GC 8 KJ8GC КJ 6 4 LHU 2WIRE KJ6-4LHU-2WIRE Α

FAMILY DESIGNATION KЈ **UltraFlare®**

B

C

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

B	
	OPTIONS
2WIRE	Lock wire holes

* All UltraFlare[®] "KJ" come standard with Virgin PTFE nose seals.

Standard seals are NBR on straight thread ends. Other Options may be available. Contact SSP for availability.

	CONFIGUR	ATION TYP	E
BRTX	Bulkhead Run Tee without Bulkhead Nut	sc	Female Swivel Straight
BUX	Bulkhead Union without Bulkhead Nut	SE	Female Swivel Elbow
С	Tube to Male Pipe Thread	SRT	Female Swivel Run Tee
E	Union Elbow	т	Union Tee
GBT	SAE Straight Thread Branch Tee	TER-2	Tube End Reducer
GC	Tube to SAE Straight Thread	U	Swivel Union
GE	SAE Straight Thread Elbow	x	Union Cross
GRT	SAE Straight Thread Run Tee	LHU	Large Hex Union
Р	Plug	OU	Orifice Union
SBT	Female Swivel Branch Tee		

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



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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