

# Female Branch Tee (Metric)

## Benefits:

- Leak free o-ring seal
- Safe joint every time
- Low tightening torque and clamping force rises with the internal pressure.
- Low installed cost, no welding (so inert gas purging, NDT and excessive flushing are not required), minimal tube preparation and no special assembly equipment required.
- Demountable and reusable, can be used with most tube materials.

## Features:

Body – mild steel, stainless steel or cupro-nickel.  
Compatible with most fluids and environments. Locates o-ring and tube.

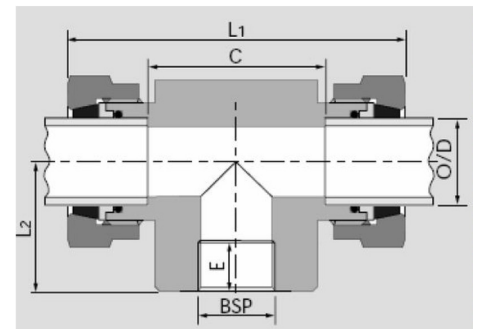
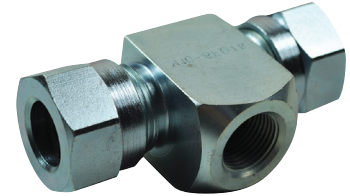
O-ring – nitrile, FPM (Viton), EP or FEP encapsulated FPM. Compatible with most fluids. Highly resistant to leakage even under severe vibration, pressure pulsation and temperature cycling. Provides diametric seal between tube OD and body cavity.


Nut – mild steel, stainless steel or cupro-nickel.  
Compatible with most environments. Closes split collet and retains sealing mechanism.


Back-up washer – mild steel, stainless steel, or cupro-nickel. Provides additional support for the tube and locates the o-ring.

Split collet – mild steel, stainless steel or cupro-nickel.  
Clamping force rises with pressure. Large clamping area ensures minimal deformation of the tube. Retains tube in position.

- 3:1 safety factor
- Derate by 50% for high pressure gas systems
- Pressure ratings based on the tube OD tolerance to BS3602 and DIN2391C



 **Working Temperature:**  
Nitrile: -40°C to +100°C  
Viton: -20°C to +150°C

 **Maximum Working Pressure:**  
6mm to 22mm: 680 bar  
25mm to 50mm: 500 bar

**All fittings also available in the following materials upon request:**

- Stainless steel
- Cupro-nickel

**Seals available on request:**

- EP (ethylene propylene)
- FEP encapsulated FPM

All fittings supplied with Nitrile seals as standard.

Primary Item No	O/D	Stud BSP	Part No	L1 mm	L2 mm	C mm	E mm	Nut A/F mm	Body A/F mm	*Max WP Bar
5011880	6	1/4"	KRAM6-4FOTR	57	29	27	14	17	19	680
5011939	8	1/4"	KRAM8-4FOTR	71	32	27	17	27	27	680
5011440	10	3/8"	KRAM10-6FOTR	71	32	27	17	27	27	680
5011509	12	3/8"	KRAM12-6FOTR	79	39	33	17	32	30	680
5011592	16	1/2"	KRAM16-8FOTR	103	37	43	22	41	38	680
5011647	20	3/4"	KRAM20-12FOTR	103	44	43	22	41	38	680
5011717	25	1"	KRAM25-16FOTR	105	44	45	22	46	41	500
5011773	30	1-1/4"	KRAM30-20FOTR	105	44	45	22	46	41	500
5011811	38	1-1/4"	KRAM38-28FOTR	125	50	57	27	50	48	500

\*Derate maximum working pressure by 50% for high pressure gas systems.