

# Equal Elbow (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.

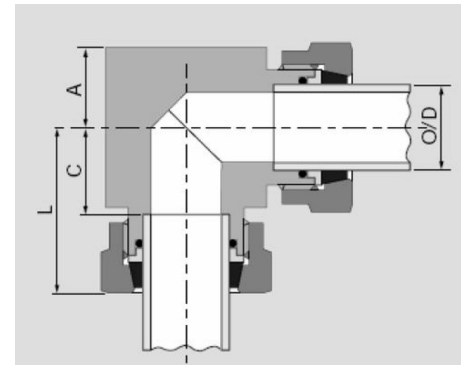
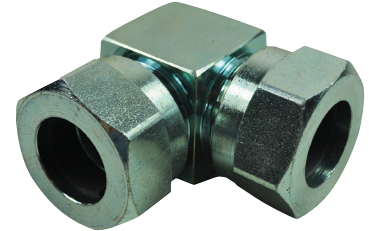
O-ring – nitrile, FPM (Viton), EP or FEP encapsulated FPM. Compatible with most fluids. Highly resistant to leakage even under severe vibration, pressure pulsation and temperature cycling. Provides diametric seal between tube OD and body cavity.

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	Part No	A mm	C mm	L mm	Nut A/F mm	Body A/F mm	*Max WP Bar
5011910	6	KRAM6ER	8	12	27	16	16	680
5011964	8	KRAM8ER	10	13	29	17	19	680
5011461	10	KRAM10ER	13	13	35	27	27	680
5011539	12	KRAM12ER	13	13	35	27	27	680
5011613	16	KRAM16ER	16	17	41	32	31	680
5011670	20	KRAM20ER	21	21	51	41	39	680
5011697	22	KRAM22ER	21	21	52	41	39	680
5011735	25	KRAM25ER	20	22	53	46	42	500
5011789	30	KRAM30ER	24	29	63	50	48	500
5011831	38	KRAM38ER	27	36	74	60	54	500

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