

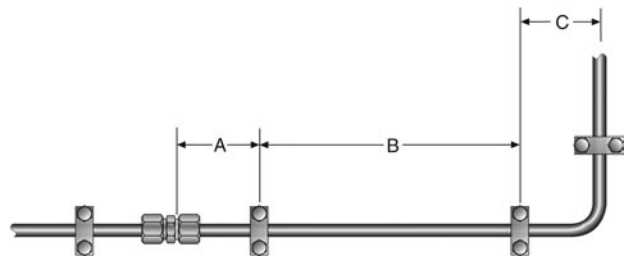
Tube Clamping

Tube line supports (clamps) serve two primary purposes in tube line systems; mounting and vibration dampening. Fatigue failure due to mechanical vibration accounts for the majority of tube line failures. Proper clamping of the tube also reduces system noise.

Use a clamping system such as Parker's ParKlump along with proper clamp spacing provided in Table T30.

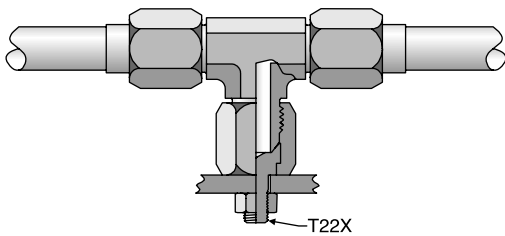
For tube clamps to dampen vibration effectively, they need to be anchored to a rigid structure. Clamping several tubes together, without rigid structural anchoring, does not provide effective dampening.

A mountie can be used in lieu of clamps in certain product lines by anchoring a tee fitting to the equipment's structure (see Fig. T52).



Tube O.D.		A	B	C
(in.)	(mm)	(in.)	(ft.)	(in.)
1/4	6			
5/16	8	2	3	4
3/8	10			
1/2	12			
5/8	14			
3/4	18	4	5	8
7/8	22			
1	25			
1-1/4	30			
1-1/2	38	6	7	12
2	50			

Table T30 — Recommended tube clamp spacing



The Mountie Caps the End and Provides an Anchor

Fig. T52 — Mountie cap used with Triple-Lok for anchoring tube lines

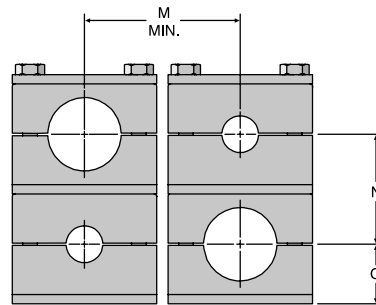
Layout Data for Tube, Pipe and Hose Clamps: Standard (Inch) and Series A (Metric)

Group #		Installation Dimensions				
		M	P	N	O	R
1	in.	1 5/16	1 3/16	1 3/16	5/8	15/16
	mm	33	30	30	16.5	24.5
1a	in.	1 7/16		1 1/8	5/8	15/16
	mm	36		29	16	24
2	in.	1 11/16		1 7/16	3/4	1 1/16
	mm	42		36	19.5	27.5
3	in.	2		1 1/2	13/16	1 1/8
	mm	50		38	20.5	28.5
4	in.	2 3/8		1 3/4	15/16	1 1/4
	mm	60		45	24	32
5	in.	2 13/16		2 3/8	1 1/4	1 9/16
	mm	70		61	32	40
6	in.	3 1/2		2 11/16	1 7/16	1 3/4
	mm	88		69	36	44

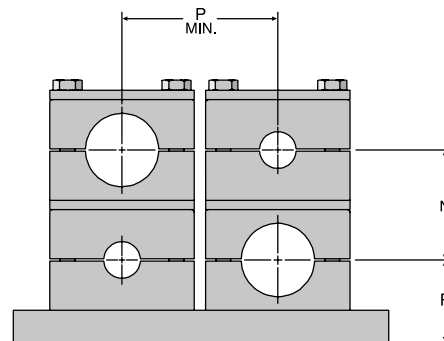
Table T32 — ParKlump Standard Series Installation Dimensions

Bolt Thread	Torque	
	in.-lbs.	Nm
1/4 - 20 UNC	70	8

Table T33 — ParKlump Standard Series maximum tightening torque



With Weld Plate



Rail Mounting

Dimensions and pressures for reference only, subject to change.