

SEISMIC BRACING SYSTEMS

SWAY-BRACE FITTING

UTT 13

U Quick Lateral Bracing Clamp

Function: Designed for bracing pipe against sway and seismic disturbance. The pipe attachment component of a sway brace system used in conjunction with a UTT Manufacturing structural attachment fitting, and joined together with a bracing pipe element forms a complete sway brace assembly. Sway brace assemblies are intended to be installed in accordance with NFPA 13 and the manufacturer's installation instructions.

Type: Sprinkler Pipe Sch 10, Sch 40, GB/T 3091, JIS G3454

Size: Pipe size 1 " (25) thru 8 " (200)

Material: Carbon steel

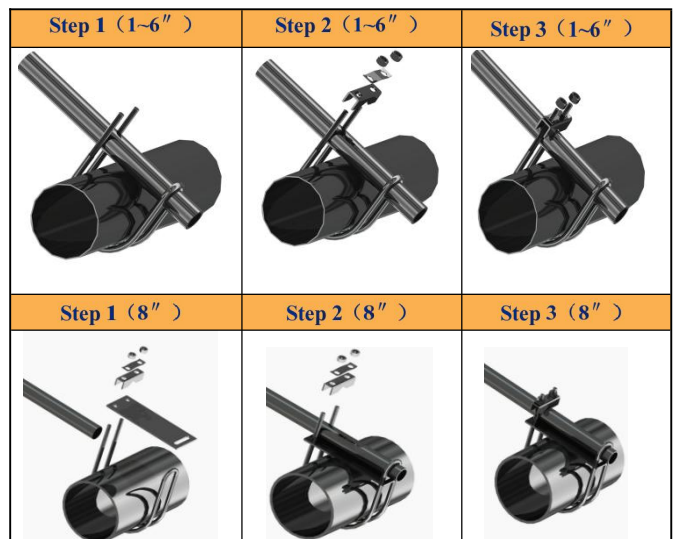
Finish: Electro-galvanized

Approvals: UL: pipe size 1 " (25) thru 8 " (200);
FM: pipe size 2 " (50) thru 8 " (200)



UL Maximum Design Load					
Pipe Size		lbs.	kN	Wt. Each	
				1 " (25mm) Brace Pipe	
				lb.	kg
1	(25)	680	(3.02)	0.71	(0.35)
1¼	(32)	680	(3.02)	0.81	(0.37)
1½	(40)	680	(3.02)	0.86	(0.39)
2	(50)	680	(3.02)	0.92	(0.42)
2½	(65)	680	(3.02)	1.01	(0.46)
3	(80)	680	(3.02)	1.08	(0.49)
4	(100)	680	(3.02)	1.21	(0.55)
5	(125)	1090	(4.84)	1.37	(0.62)
6	(150)	1370	(6.09)	1.52	(0.69)
8	(219)	1370	(6.09)	1.81	(0.82)

FM Maximum Design Load							
Pipe Size		Horizontal load ratings installation angle 30°-44°		Horizontal load ratings installation angle 45°-59°		Wt. Each	
						1 " (25mm) Brace Pipe	
		lbs.	kN	lbs.	kN	lb.	kg
2	(50)	590	(2.62)	840	(3.73)	0.92	(0.42)
2½	(65)	710	(3.15)	1010	(4.49)	1.01	(0.46)
3	(80)	540	(2.40)	770	(3.42)	1.08	(0.49)
4	(100)	540	(2.40)	770	(3.42)	1.21	(0.55)
6	(150)	270	(1.20)	390	(1.73)	1.52	(0.69)
8	(200)	210	(0.93)	290	(1.28)	1.81	(0.82)



Install:

Place over the pipe to be braced, adjust brace angle, and insert bracing pipe through opening leaving a minimum of 1 " (25.4) extending from attachment. Brace pipe can be installed on top or bottom of pipe to be braced but must be a minimum of 6 " (152.4) away from a pipe joint. Tighten nuts down evenly until 30~35N • M to make all green making lines visible.