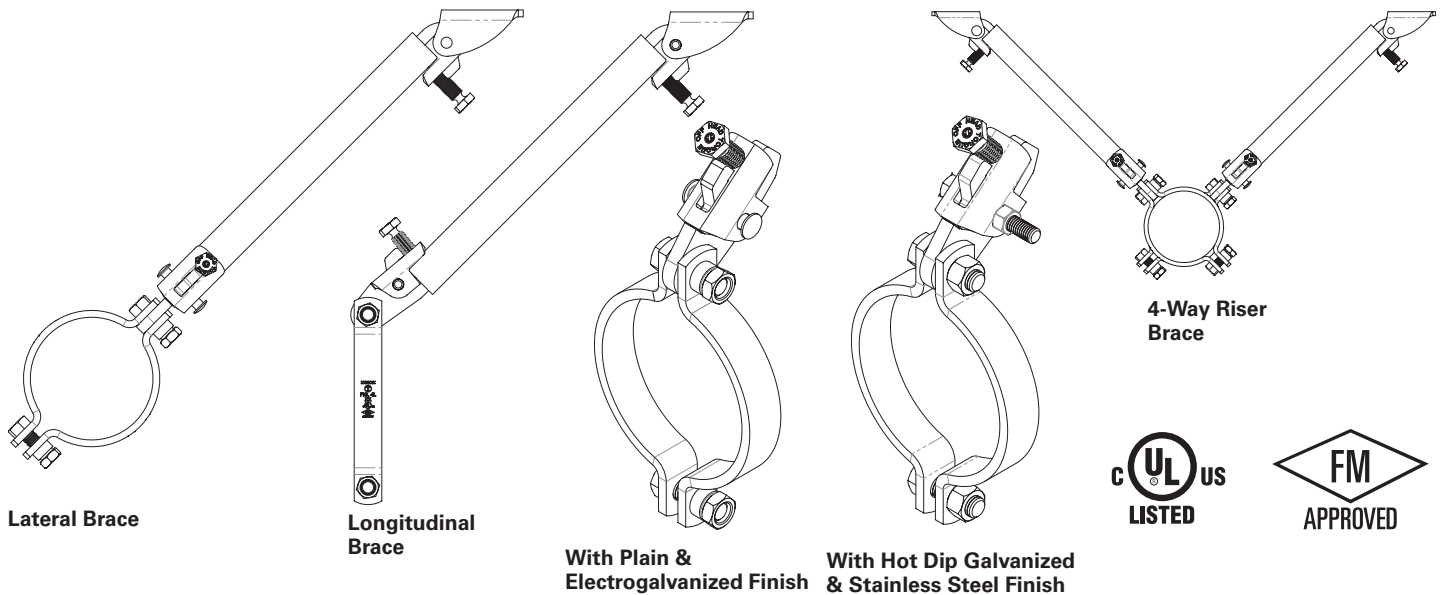


# Fig. 4L TOLCO sway brace attachment (metric)

**Function:** For bracing pipe against sway and seismic disturbances. Fig. 4L is the “braced pipe” attachment component of a longitudinal or lateral sway brace assembly. It is intended to be combined with a 25mm–50mm NPS “bracing pipe” and a TOLCO structural attachment component to form a complete bracing assembly. Metric specific parts have been developed for installation on 65mm and 125mm KSD and DIN pipe and 150mm and 200mm KSD pipe. For other sizes, the standard parts are able to be installed on both imperial and KSD and DIN pipe. Sway brace assemblies are intended to be installed in accordance with NFPA 13 and the manufacturer’s installation instructions.



## Max UL Rated Load when used as a lateral brace

Pipe type	Pipe size	Rated load	SS Rated load
DIN 2448, KSD 3507, KSD 3562	25mm – 100mm	4448 N	**4448 N
	125mm – 150mm	*7117 N	—
DIN 2448	200mm	*9341 N	—
KSD 3507, KSD 3562	200mm	*8896 N	—

\*For 125mm pipe and larger it is only UL listed for use with a 25mm brace pipe

\*\* Stainless steel (Fig. 4LS) is only offered for 100mm KSD and DIN pipe

**To install:** Place the Fig. 4L over the pipe to be braced and tighten down the break-off nuts (note: apply between 50-60 lb. ft. of torque). Tighten the jaw component side nut first until the hex head portion breaks off to verify correct installation torque and then repeat for other side. Next, place the Fig. 4L onto the “bracing pipe” so that there is no more than a 3mm gap between the end of the bracing pipe and the back of the jaw. Tighten break-off head bolt until the hex head breaks off to verify correct installation torque (note: apply between 36 - 40 lb. of torque on PLN or EG or 45 - 50 lb. ft. of torque on HDG or SS Fig. 4L). Pivot jaw for correct angle and attach to structure using TOLCO brand transitional attachment and structural attachment.

**Note:** Break off nut is only for plain and electrogalvanized finish while standard hex nut is for hot dip galvanized and stainless steel finish. Torque requirements for standard hex nut is a minimum of 50 lbs/ft. and a maximum of 52 lbs/ft.

## Max UL Rated Load when used as a longitudinal brace

Pipe type	Pipe size	Rated load	SS Rated load
	25mm – 40mm	4448 N	—
	50mm	7117 N	—
DIN 2448, KSD 3507, KSD 3562	65mm	3113 N	—
	80mm – 100mm***	8896 N	***8896 N
	125mm	5337 N	—
KSD 3507, KSD 3562	150mm	5337 N	—
DIN 2448	150mm****	8896 N	—
KSD 3507, KSD 3562	200mm	6227 N	—
DIN 2448	200mm	8896 N	—

\*\*\* Applicable to 100mm only

\*\*\*\* Note that the Fig. 4L-100mm DIN and KSD and 150mm DIN are only UL listed for use with 25 thru 40mm brace pipes.



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