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# INSTRUCTION SHEET

## STRAIGHT - ACTING CLAMPS

### CROSSTIE CLAMP KIT

#### RAP93106, RAP93110, RAP93117, RAP93120

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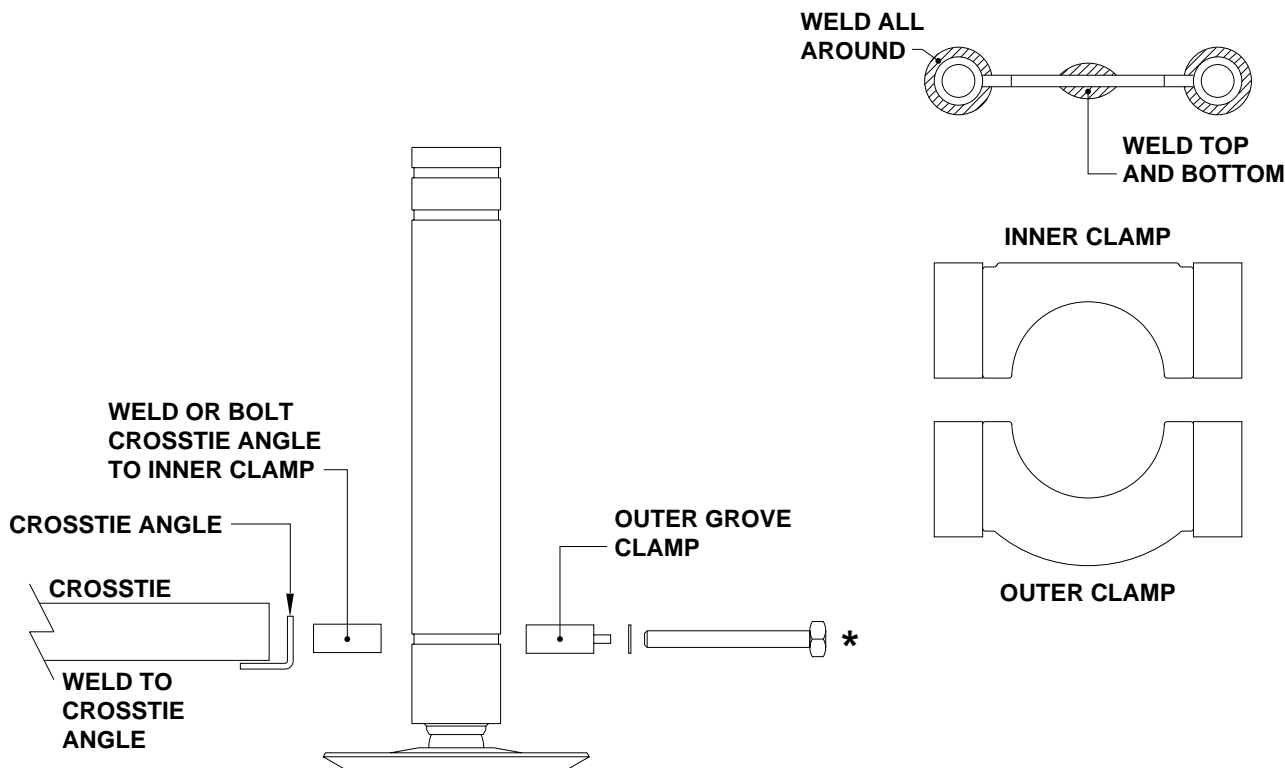
This kit contains one outer groove clamp, one inner groove clamp bolt-thru style and one inner groove clamp drilled and tapped weld on style. The kit also contains a crosstie mounting angle with holes and the necessary hardware for either inner clamp used.

**The clamps in this kit are groove clamps and can only be used in a barrel groove.**

The existing crosstie angle bracket can be used if not damaged. If the new angle bracket is needed, either the bolt-thru style or drilled and tapped weld on style inner clamp can be used. Which ever inner clamp works best for the existing application is acceptable.

If using the weld on style clamp, the jack can be used to position the clamp for tack welding. **When welding the bracket to the angle, remove the jack cylinder after tacking the bracket to the angle so the cylinder is not overheated. Welding with the cylinder in place can damage the jack seals.**

The clamps are designed to allow slight clearance when fully tightened. This eliminates the possibility of any "squeeze" on the cylinder that could affect the operation of the jack. Check the jack grooves and the clamps for any debris that could cause a "squeeze" when the clamps are tightened. The jack can be slightly loose in the clamps with the clamps fully tightened.



**\* LONG BOLTS AND NUTS ARE USED WITH BOLT THRU CLAMP  
SHORT BOLTS ARE USED WITH WELD ON CLAMP**