

Crossovers & Tubing Adapters



TIS Quick union crossovers and tubing adapters are designed to provide a transition between different connections used in normal service and during completion operations. With regards to the pressure and service, they are always rated to the lowest rated connection.

Quick Union Crossovers

TIS Quick union crossovers are normally supplied with a pin and collar connection down by a box connection up.

Tubing Adapters

TIS Tubing adapters are designed to be primarily used during completion operations and they typically comprise of a premium or API pin connection down by a quick union box connection up. These types of crossover are normally rated for lower working pressures and require a torque connection on the pin to provide a seal.

The TIS quick union crossover and tubing adapter range is available with the following options

- 5,000 Psi, 10,000 Psi and 15,000 Psi working pressures.
- Standard or sour service.
- Service temperature range of -29 to +121 Degrees C.
- Choice of quick union connections.
- Choice of pin connections.

Technical features include

- Where applicable, on two piece crossovers, component parts are screwed together by means of a special TIS acme connection, which has a primary o-ring seal and secondary metal to metal seal.
- Variations to pin connections on tubing adapters, can be supplied within current API Specifications.



Quick Union Crossovers 5,000 psi & 10,000 psi

| Thro' Bore | Working Pressure | Male & Collar Quick Union | Female Quick Union | Part Number | Redress Kit |
|------------|------------------|---------------------------|---------------------------|----------------|----------------|
| 3.00" | 5,000 psi | 5-1/2"-4x2 'B' Type | 5"-4Thd 'O' Type | 0059-00003-TIS | 0059-00003-KIT |
| 3.00" | 5,000 psi | 5-3/4"-4Thd 'O' Type | 5-1/2"-4x2 'B' Type | 0046-00023-TIS | 0046-00023-KIT |
| 3.00" | 5,000 psi | 5-3/4"-4Thd 'O' Type | 5"-4Thd 'O' Type | 0046-00024-TIS | 0046-00024-KIT |
| 3.00" | 5,000 psi | 6-5/16"-4Thd 'B' Type | 5 1/2"-4X2 'B' Type | 0061-00006-TIS | 0061-00006-KIT |
| 3.00" | 5,000 psi | 6-5/16"-4Thd 'B' Type | 5"-4Thd 'O' Type | 0061-00007-TIS | 0061-00007-KIT |
| 3.00" | 5,000 psi | 6-5/16"-4Thd 'B' Type | 5-3/4"-4Thd 'O' Type | 0061-00008-TIS | 0061-00008-KIT |
| 3.00" | 5,000 psi | 6-1/2"-4Thd 'O' Type | 5-1/2"-4x2 'B' Type | 0047-00011-TIS | 0047-00011-KIT |
| 3.00" | 5,000 psi | 6-1/2"-4Thd 'O' Type | 5"-4Thd 'O' Type | 0047-00012-TIS | 0047-00012-KIT |
| 3.00" | 5,000 psi | 6-1/2"-4Thd 'O' Type | 6-5/16"-4Thd 'B' Type | 0047-00014-TIS | 0047-00014-KIT |
| 3.00" | 5,000 psi | 6-1/2"-4Thd 'O' Type | 5-3/4"-4Thd 'O' Type | 0047-00013-TIS | 0047-00013-KIT |
| 3.00" | 5,000 psi | 7"-5Thd 'B' Type | 5-1/2"-4x2 'B' Type | 0063-00004-TIS | 0063-00004-KIT |
| 3.00" | 5,000 psi | 7"-5Thd 'B' Type | 5"-4Thd 'O' Type | 0063-00003-TIS | 0063-00003-KIT |
| 3.00" | 5,000 psi | 7"-5Thd 'B' Type | 6-5/16"-4Thd 'B' Type | 0063-00005-TIS | 0063-00005-KIT |
| 3.00" | 5,000 psi | 7"-5Thd 'B' Type | 5-3/4"-4Thd 'O' Type | 0063-00006-TIS | 0063-00006-TIS |
| 4.00" | 5,000 psi | 7"-5Thd 'B' Type | 6-1/2"-4Thd 'O' Type | 0063-00007-TIS | 0063-00007-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (10k) | 5-1/2"-4x2 'B' Type | 0065-00007-TIS | 0065-00007-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (10k) | 5"-4Thd 'O' Type | 0065-00006-TIS | 0065-00006-KIT |
| 3.00" | 10,000 psi | 8-1/4"-4x2 'B' Type (10k) | 6-5/16"-4Thd 'B' Type | 0065-00003-TIS | 0065-00003-KIT |
| 3.00" | 10,000 psi | 8-1/4"-4x2 'B' Type (10k) | 5-3/4"-4Thd 'O' Type | 0065-00005-TIS | 0065-00005-KIT |
| 4.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (10k) | 7"-5Thd 'B' Type | 0065-00008-TIS | 0065-00008-KIT |
| 4.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (10k) | 6-1/2"-4Thd 'O' Type | 0065-00009-TIS | 0065-00009-KIT |
| 3.00" | 5,000 psi | 8-3/8"-4Thd 'O' Type | 5-1/2"-4x2 'B' Type | 0053-00004-TIS | 0053-00004-KIT |
| 3.00" | 5,000 psi | 8-3/8"-4Thd 'O' Type | 5"-4Thd 'O' Type | 0053-00005-TIS | 0053-00005-KIT |
| 3.00" | 10,000 psi | 8-3/8"-4Thd 'O' Type | 6-5/16"-4Thd 'B' Type | 0053-00007-TIS | 0053-00007-KIT |
| 3.00" | 10,000 psi | 8-3/8"-4Thd 'O' Type | 5-3/4"-4Thd 'O' Type | 0053-00006-TIS | 0053-00006-KIT |
| 4.00" | 5,000 psi | 8-3/8"-4Thd 'O' Type | 7"-5Thd 'B' Type | 0053-00008-TIS | 0053-00008-KIT |
| 4.00" | 5,000 psi | 8-3/8"-4Thd 'O' Type | 6-1/2"-4Thd 'O' Type | 0053-00009-TIS | 0053-00009-KIT |
| 4.00" | 10,000psi | 8-3/8"-4Thd 'O' Type | 8-1/4"-4x2 'B' Type (10k) | 0053-00010-TIS | 0053-00010-KIT |

Quick Union Crossovers 5,000 psi & 10,000 psi

| Thro' Bore | Working Pressure | Male & Collar Quick Union | Female Quick Union | Part Number | Redress Kit |
|------------|------------------|---------------------------|---------------------------|----------------|----------------|
| 3.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (5k) | 5-1/2"-4x2 'B' Type | 0064-00005-TIS | 0064-00005-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (5k) | 5"-4Thd 'O' Type | 0064-00006-TIS | 0064-00006-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (5k) | 6-5/16"-4Thd 'B' Type | 0064-00002-TIS | 0064-00002-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (5k) | 5-3/4"-4Thd 'O' Type | 0064-00004-TIS | 0064-00004-KIT |
| 4.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (5k) | 7"-5Thd 'B' Type | 0064-00007-TIS | 0064-00007-KIT |
| 4.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (5k) | 6-1/2"-4Thd 'O' Type | 0064-00008-TIS | 0064-00008-KIT |
| 4.00" | 5,000 psi | 8-1/4"-4x2 'B' Type (5k) | 8-1/4"-4x2 'B' Type | 0064-00009-TIS | 0064-00009-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 5-1/2"-4x2 'B' Type | 0052-00003-TIS | 0052-00003-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 5"-4Thd 'O' Type | 0052-00004-TIS | 0052-00004-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 6-5/16"-4Thd 'B' Type | 0052-00005-TIS | 0052-00005-KIT |
| 3.00" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 5-3/4"-4Thd 'O' Type | 0052-00006-TIS | 0052-00006-KIT |
| 4.00" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 7"-5Thd 'B' Type | 0052-00007-TIS | 0052-00007-KIT |
| 4.00" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 6-1/2"-4Thd 'O' Type | 0052-00008-TIS | 0052-00008-TIS |
| 4.00" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 8-1/4"-4x2 'B' Type (10k) | 0052-00009-TIS | 0052-00009-KIT |
| 4.00" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 8-3/8"-4Thd 'O' Type | 0052-00010-TIS | 0052-00010-KIT |
| 5.12" | 5,000 psi | 8-1/4"-4Thd 'O' Type | 8-1/4"-4x2 'B' Type (10k) | 0052-00011-TIS | 0052-00011-KIT |
| 3.00" | 5,000 psi | 8-7/8"-4x2 'B' Type | 5-1/2"-4x2 'B' Type | 0078-00005-TIS | 0078-00005-KIT |
| 3.00" | 5,000 psi | 8-7/8"-4x2 'B' Type | 5"-4Thd 'O' Type | 0078-00006-TIS | 0078-00006-KIT |
| 3.00" | 10,000 psi | 8-7/8"-4x2 'B' Type | 6-5/16"-4Thd 'B' Type | 0078-00001-TIS | 0078-00001-KIT |
| 3.00" | 10,000 psi | 8-7/8"-4x2 'B' Type | 5-3/4"-4Thd 'O' Type | 0078-00003-TIS | 0078-00003-KIT |
| 4.00" | 5,000 psi | 8-7/8"-4x2 'B' Type | 7"-5Thd 'B' Type | 0078-00007-TIS | 0078-00007-KIT |
| 4.00" | 5,000 psi | 8-7/8"-4x2 'B' Type | 6-1/2"-4Thd 'O' Type | 0078-00008-TIS | 0078-00008-KIT |
| 4.00" | 10,000 psi | 8-7/8"-4x2 'B' Type | 8-1/4"-4x2 'B' Type (10k) | 0078-00009-TIS | 0078-00009-KIT |
| 4.00" | 10,000 psi | 8-7/8"-4x2 'B' Type | 8-3/8"-4Thd 'O' Type | 0078-00010-TIS | 0078-00010-KIT |
| 5.12" | 5,000 psi | 8-7/8"-4x2 'B' Type | 8-1/4"-4x2 'B' Type (5k) | 0078-00011-TIS | 0078-00011-KIT |
| 5.12" | 5,000 psi | 8-7/8"-4x2 'B' Type | 8-1/4"-4Thd 'O' Type | 0078-00012-TIS | 0078-00012-KIT |
| 3.00" | 5,000 psi | 9"-4Thd 'O' Type | 5-1/2"-4x2 'B' Type | 0054-00026-TIS | 0054-00026-KIT |
| 3.00" | 5,000 psi | 9"-4Thd 'O' Type | 5"-4Thd 'O' Type | 0054-00008-TIS | 0054-00008-KIT |

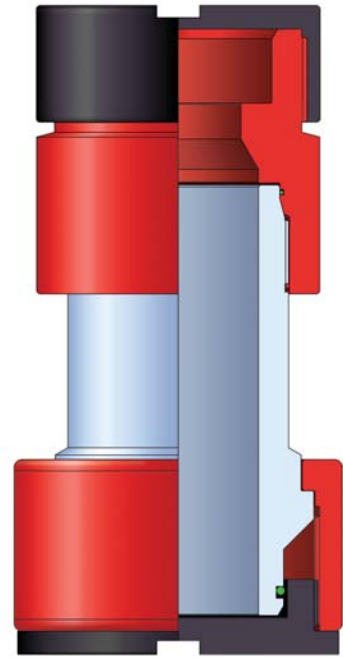
Crossovers & Tubing Adapters



Quick Union Crossovers

5,000 psi & 10,000 psi

| Thro' Bore | Working Pressure | Male & Collar Quick Union | Female Quick Union | Part Number |
|------------|------------------|---------------------------|-------------------------|----------------|
| 3.00" | 10,000 psi | 9"-4Thd'O'Type | 6-5/16"-4Thd'B'Type | 0054-00023-TIS |
| 3.00" | 10,000 psi | 9"-4Thd'O'Type | 5-3/4"-4Thd'O'Type | 0054-00017-TIS |
| 4.00" | 5,000 psi | 9"-4Thd'O'Type | 7"-5Thd'B'Type | 0054-00024-TIS |
| 4.00" | 5,000 psi | 9"-4Thd'O'Type | 6-1/2"-4Thd'O'Type | 0054-00006-TIS |
| 4.00" | 10,000 psi | 9"-4Thd'O'Type | 8-1/4"-4x2'B'Type (10k) | 0054-00005-TIS |
| 4.00" | 10,000 psi | 9"-4Thd'O'Type | 8-3/8"-4Thd'O'Type | 0054-00025-TIS |
| 5.12" | 5,000 psi | 9"-4Thd'O'Type | 8-1/4"-4x2'B'Type (5k) | 0054-00027-TIS |
| 5.12" | 10,000 psi | 9"-4Thd'O'Type | 8-7/8"-4x2'B'Type | 0054-00028-TIS |
| 3.00" | 5,000 psi | 9-1/2"-4Thd'O'Type | 5-1/2"-4x2'B'Type | 0055-00013-TIS |
| 3.00" | 5,000 psi | 9-1/2"-4Thd'O'Type | 5"-4Thd'O'Type | 0055-00012-TIS |
| 3.00" | 5,000 psi | 9-1/2"-4Thd'O'Type | 6-5/16"-4Thd'B'Type | 0055-00014-TIS |
| 3.00" | 5,000 psi | 9-1/2"-4Thd'O'Type | 5-3/4"-4Thd'O'Type | 0055-00015-TIS |
| 4.00" | 5,000 psi | 9-1/2"-4Thd'O'Type | 7"-5Thd'B'Type | 0055-00016-TIS |
| 4.00" | 5,000 psi | 9-1/2"-4Thd'O'Type | 6-1/2"-4Thd'O'Type | 0055-00008-TIS |
| 4.00" | 5,000 psi | 9-1/2"-4Thd'O'Type | 8-1/4"-4x2'B'Type (10k) | 0055-00019-TIS |
| 4.00" | 5,000 psi | 9-1/2"-4Thd'O'Type | 8-3/8"-4Thd'O'Type | 0055-00020-TIS |
| 5.12" | 5,000 psi | 9-1/2"-4Thd'O'Type | 8-1/4"-4x2'B'Type (5k) | 0055-00018-TIS |
| 5.12" | 5,000 psi | 9-1/2"-4Thd'O'Type | 8-1/4"-4Thd'O'Type | 0055-00017-TIS |
| 5.12" | 5,000 psi | 9-1/2"-4Thd'O'Type | 8-7/8"-4x2'B'Type | 0055-00010-TIS |
| 5.12" | 5,000 psi | 9-1/2"-4Thd'O'Type | 9"-4Thd'O'Type | 0055-00001-TIS |
| 3.00" | 5,000 psi | 9-7/8"-4X2'B'Type | 5-1/2"-4x2'B'Type | 0066-00017-TIS |
| 3.00" | 5,000 psi | 9-7/8"-4X2'B'Type | 5"-4Thd'O'Type | 0066-00016-TIS |
| 3.00" | 5,000 psi | 9-7/8"-4X2'B'Type | 6-5/16"-4Thd'B'Type | 0066-00015-TIS |
| 3.00" | 5,000 psi | 9-7/8"-4X2'B'Type | 5-3/4"-4Thd'O'Type | 0066-00014-TIS |

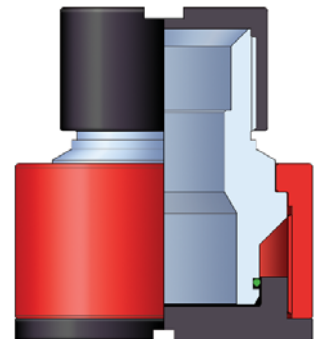


3 Piece Crossover

Quick Union Crossovers

5,000 psi & 10,000 psi

| Thro' Bore | Working Pressure | Male & Collar Quick Union | Female Quick Union | Part Number |
|------------|------------------|---------------------------|-------------------------|----------------|
| 4.00" | 5,000 psi | 9-7/8"-4X2'B'Type | 7"-5Thd'B'Type | 0066-00013-TIS |
| 4.00" | 5,000 psi | 9-7/8"-4X2'B'Type | 6-1/2"-4Thd'O'Type | 0066-00012-TIS |
| 4.00" | 5,000 psi | 9-7/8"-4x2'B'Type | 8-1/4"-4x2'B'Type (10k) | 0066-00011-TIS |
| 4.00" | 5,000 psi | 9-7/8"-4x2'B'Type | 8-3/8"-4Thd'O'Type | 0066-00010-TIS |
| 5.12" | 5,000 psi | 9-7/8"-4x2'B'Type | 8-1/4"-4x2'B'Type (5k) | 0066-00009-TIS |
| 5.12" | 5,000 psi | 9-7/8"-4x2'B'Type | 8-1/4"-4Thd'O'Type | 0066-00008-TIS |
| 5.12" | 5,000 psi | 9-7/8"-4x2'B'Type | 8-7/8"-4x2'B'Type | 0066-00007-TIS |
| 5.12" | 5,000 psi | 9-7/8"-4x2'B'Type | 9"-4Thd'O'Type | 0066-00004-TIS |
| 6-5/8" | 5,000 psi | 9-7/8"-4x2'B'Type | 9-1/2"-4Thd'O'Type | 0066-00006-TIS |
| 3.00" | 5,000 psi | 11-1/2"-4Thd'O'Type | 5-1/2"-4x2'B'Type | 0056-00022-TIS |
| 3.00" | 5,000 psi | 11-1/2"-4Thd'O'Type | 5"-4Thd'O'Type | 0056-00021-TIS |
| 3.00" | 10,000 psi | 11-1/2"-4Thd'O'Type | 6-5/16"-4Thd'B'Type | 0056-00020-TIS |
| 3.00" | 10,000 psi | 11-1/2"-4Thd'O'Type | 5-3/4"-4Thd'O'Type | 0056-00019-TIS |
| 4.00" | 5,000 psi | 11-1/2"-4Thd'O'Type | 7"-5Thd'B'Type | 0056-00018-TIS |
| 4.00" | 5,000 psi | 11-1/2"-4Thd'O'Type | 6-1/2"-4Thd'O'Type | 0056-00017-TIS |
| 4.00" | 10,000 psi | 11-1/2"-4Thd'O'Type | 8-3/8"-4Thd'O'Type | 0056-00016-TIS |
| 4.00" | 10,000 psi | 11-1/2"-4Thd'O'Type | 8-1/4"-4x2'B'Type (10k) | 0056-00015-TIS |
| 5.12" | 5,000 psi | 11-1/2"-4Thd'O'Type | 8-1/4"-4Thd'O'Type | 0056-00014-TIS |
| 5.12" | 5,000 psi | 11-1/2"-4Thd'O'Type | 8-1/4"-4x2'B'Type (5k) | 0056-00013-TIS |
| 5.12" | 10,000 psi | 11-1/2"-4Thd'O'Type | 8-7/8"-4x2'B'Type | 0056-00012-TIS |
| 5.12" | 10,000 psi | 11-1/2"-4Thd'O'Type | 9"-4Thd'O'Type | 0056-00005-TIS |
| 6-5/8" | 5,000 psi | 11-1/2"-4Thd'O'Type | 9-7/8"-4x2'B'Type | 0056-00010-TIS |
| 6-5/8" | 5,000 psi | 11-1/2"-4Thd'O'Type | 9-1/2"-4Thd'O'Type | 0056-00011-TIS |



2 Piece Crossover