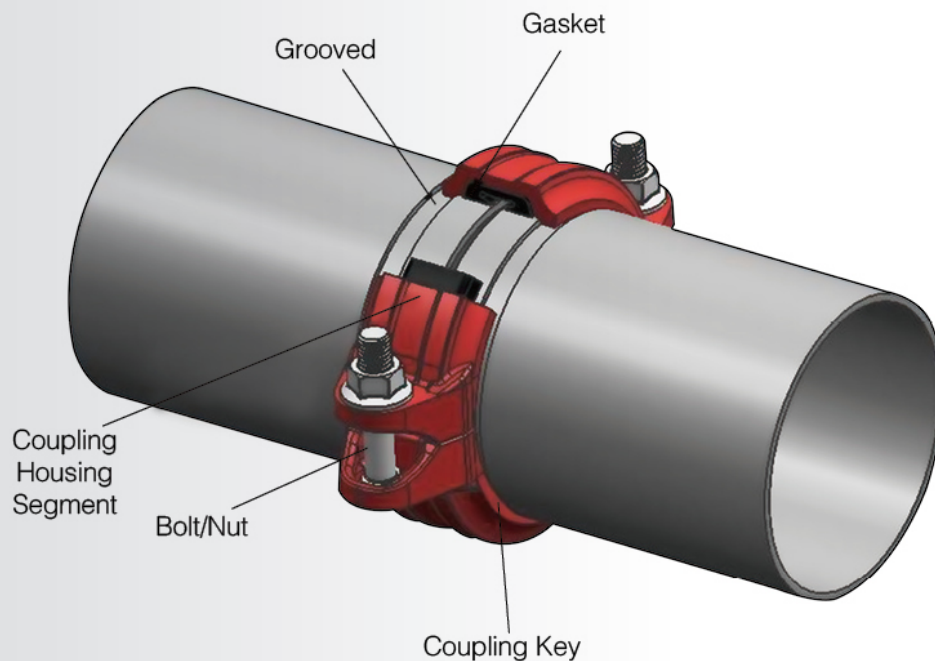


Rigid & Flexible Couplings

Grooved mechanical couplings (GMC) are available in both rigid and flexible models. A rigid coupling is used in applications where a rigid joint is desired, similar to that of a traditional flanged, welded, or threaded connection. To be considered rigid, a coupling would allow less than one degree of deflection or angular movement.

Flexible couplings are designed to accommodate axial displacement, rotation and a minimum one degree of angular movement. Flexible couplings are used in applications that call for curved or deflected layouts or when systems are exposed to outside forces beyond normal static conditions. such as seismic events or where vibration or noise attenuation are a concern.



XGQT02 Flexible Coupling

Grooved couplings become less flexible as the pipe size increases. For sizes in excess of 18"(450mm) couplings are very limited in their angular movement.

Coupling Installation Instructions



1. Before installation, whether the groove meet the standard should be checked and then wipe away the burrs, iron rust, greasy dirt on gasket ring and pipe.



2. Spread a non-petroleum base, non-toxic lubricant to gasket ring outside and inside.



3. Slip gasket over pipe/fitting end. The lip of the gasket can not overhang the pipe/fitting ends.



4. Secure another grooved steel pipe to this one and cover the gasket ring on pipe end, making sure the gasket ring is at the sealing position of both pipes. the gasket should not be twisted.



5. Make sure coupling has fixed the pipes.



6. Tighten the nuts evenly by alternating sides until the specified torque value are achieved.
For rigid coupling, keep the gaps at bolts pads evenly spaced. Gaskets can't be seen visually.
For flexible coupling, two housings should be iron to iron connected. Gaskets can't be seen visually.
For angle pad coupling, tighten the nuts evenly until an iron to iron contact is achieved. Equal and positive or neutral offsets shall be present at each bolt pad location.

WARNING:

1. It is important to tighten the nuts evenly by alternating sides to prevent gasket pinching.
2. Proper torquing of bolts is required to obtain specified performance. Over torquing may result bolts or cast broken. Pipe joint separation may result in significant property damage and serious injury!

Required Assembly Torques

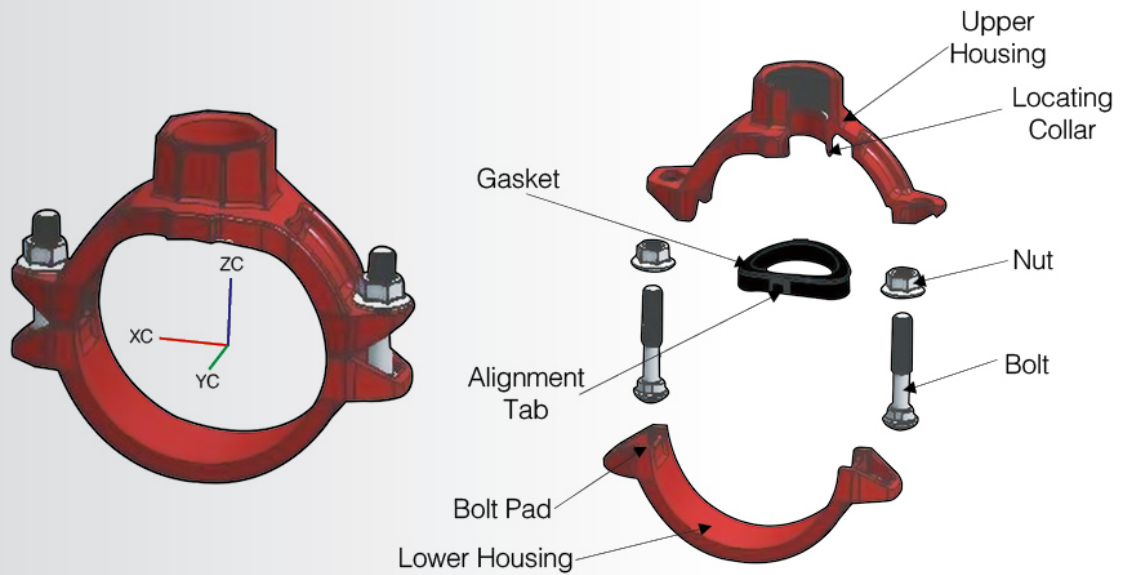
Bolt Size	Required Torque	
Inch	N.M	Lbs-Ft.
3/8	40-60	30-45
1/2	110-135	80-100
5/8	135-175	100-130
3/4	175-245	130-180
7/8	245-325	180-240



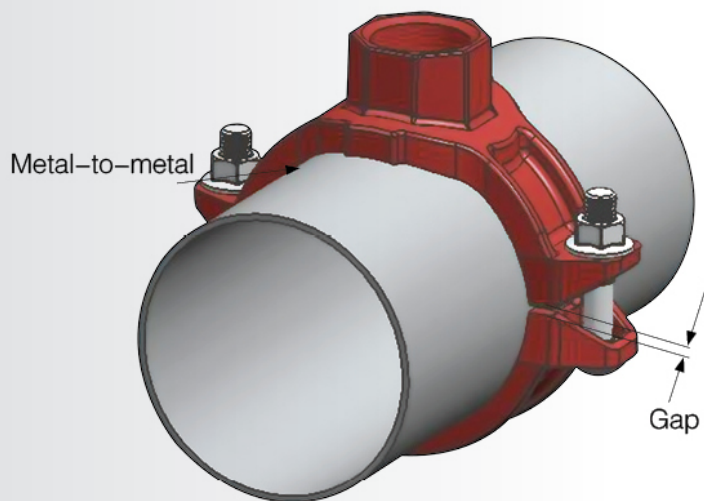
- 1、 Read and understand all instructions before attempting to install any piping products.
- 2、 Depressurize and drain the piping system before attempting to install, remove, or adjust any piping products.
- 3、 Wear safety glasses, helmet, and foot protection during installation.
- 4、 Failure to follow these instructions could result in serious personal injury, improper product installation, and/or property damage.

Mechanical Tees

100TONG mechanical tees provide a fast and easy mid-point branch outlet, eliminating the need for welding or the use of multiple fittings.

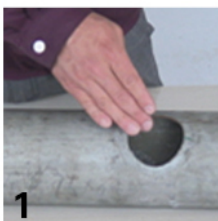


When bolts are tightened with a proper torque, the outlet housing makes metal to metal contact with the outer surface of the pipe.



It is normal to see bolt pad gaps, though they should be equal on both sides of the mechanical tee.

Mechanical Tee Installation Instructions



1. Make sure the correct hole saw size is being used. Holes must be drilled on the centerline but not on the weld line of the pipe. Ensure that a 5/8inch/16mm area around the hole is clean, wipe away the burrs, iron rust, greasy dirt.



2. Inspect the sealing surface of the gasket to make sure no debris is present. Lubricate the exposed sealing surface of the gasket.



3. Put gasket seal in the Mechanical Tee making sure the tab in the gasket line up with the tab recesses in the house.



4. Install the Mechanical Tee in the hole.



5. Install the bottom piece and Make sure the locating collar engages the outlet hole properly. Check this engagement by rocking the upper (outlet) housing in the hole.



6. Tighten the nuts evenly by alternating sides until the specified torque value are achieved.

WARNING:

1. It is important to tighten the nuts evenly by alternating sides to prevent gasket pinching.
2. Proper torquing of bolts is required to obtain specified performance. Over torquing may result bolts or cast broken. Pipe joint separation may result in significant property damage and serious injury!

Required Assembly Torques

Bolt Size	Required Torque	
Inch	N.M	Lbs-Ft.
3/8	40-60	30-45
1/2	110-135	80-100
5/8	135-175	100-130
3/4	175-245	130-180
7/8	245-325	180-240

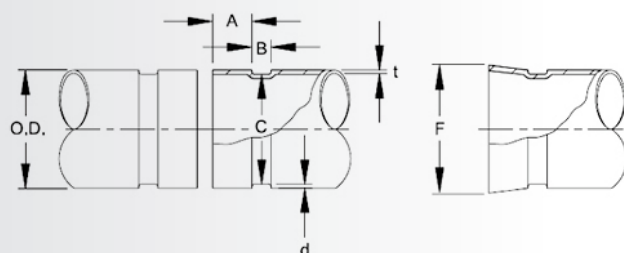


WARNING

- 1、 Read and understand all instructions before attempting to install any piping products.
- 2、 Depressurize and drain the piping system before attempting to install, remove, or adjust any piping products.
- 3、 Wear safety glasses, helmet, and foot protection during installation.
- 4、 Failure to follow these instructions could result in serious personal injury, improper product installation, and/or property damage.

Roll Grooving Dimensions for ANSI B36.10, BS 1387 (M) & AS 1074 (M) Pipe

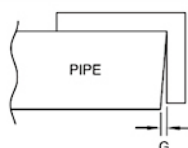
Basic roll groove dimensions conform to ANSI/AWWA C606-06 Table 5 with slightly adjusted tolerances to incorporate international standards including CSA B242, ISO/FDIS 6182-12, VdS 2100-6en and JPF MP-006.



Pipe O.D.				A	B	C	t	d	F
Nominal Size	Basic	Tolerance		± 0.030 ± 0.76	± 0.030 ± 0.76	$+0.000$ $+0.00$	Min. Wall	Groove Depth (ref.)	Max. Allowed Flare Dia.
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
¾ 20	1.050 26.7	+0.010 +0.25	-0.010 -0.25	0.625 15.88	0.281 7.14	0.938-0.015 23.83-0.38	0.065 1.65	0.056 1.42	1.15 29.21
1 25	1.315 33.4	+0.013 +0.33	-0.013 -0.33	0.625 15.88	0.281 7.14	1.190-0.015 30.23-0.38	0.065 1.65	0.063 1.60	1.43 36.30
1¼ 32	1.660 42.2	+0.016 +0.41	-0.016 -0.41	0.625 15.88	0.281 7.14	1.535-0.015 38.99-0.38	0.065 1.65	0.063 1.60	1.77 44.96
1½ 40	1.900 48.3	+0.019 +0.48	-0.019 -0.48	0.625 15.88	0.281 7.14	1.775-0.015 45.09-0.38	0.065 1.65	0.063 1.60	2.01 51.05
2 50	2.375 60.3	+0.024 +0.61	-0.024 -0.61	0.625 15.88	0.344 8.74	2.250-0.015 57.15-0.38	0.065 1.65	0.063 1.60	2.48 62.99
2½ 65	2.875 73.0	+0.029 +0.74	-0.029 -0.74	0.625 15.88	0.344 8.74	2.720-0.018 69.09-0.46	0.083 2.11	0.078 1.98	2.98 75.69
76.1	3.000 76.1	+0.030 +0.76	-0.030 -0.76	0.625 15.88	0.344 8.74	2.844-0.018 72.24-0.46	0.090 2.30	0.075 1.93	3.10 78.74
3 80	3.500 88.9	+0.035 +0.89	-0.031 -0.79	0.625 15.88	0.344 8.74	3.344-0.018 84.94-0.46	0.083 2.11	0.078 1.98	3.60 91.44
101.6mm	4.000 101.6	+0.040 +1.02	-0.031 -0.79	0.625 15.88	0.344 8.74	3.834-0.020 97.38-0.51	0.083 2.11	0.083 2.11	4.10 104.10
108.0mm	4.250 108.0	+0.042 +1.07	-0.031 -0.79	0.625 15.88	0.344 8.74	4.084-0.020 103.73-0.51	0.083 2.11	0.083 2.11	4.35 110.49
4 100	4.500 114.3	+0.040 +1.02	-0.031 -0.79	0.625 15.88	0.344 8.74	4.334-0.020 110.08-0.51	0.083 2.11	0.083 2.11	4.60 116.84
133.0mm	5.250 133.0	+0.051 +1.32	-0.031 -0.79	0.625 15.88	0.344 8.74	5.084-0.020 129.13-0.51	0.109 2.77	0.083 2.11	5.35 135.89
139.7mm	5.500 139.7	+0.050 +1.40	-0.031 -0.79	0.625 15.88	0.344 8.74	5.333-0.020 135.46-0.51	0.109 2.77	0.083 2.11	5.60 142.24
5 125	5.563 141.3	+0.056 +1.42	-0.031 -0.79	0.625 15.88	0.344 8.74	5.395-0.022 137.03-0.56	0.109 2.77	0.083 2.11	5.66 143.76
159.0mm	6.250 159.0	+0.063 +1.60	-0.031 -0.79	0.625 15.88	0.344 8.74	6.084-0.030 154.53-0.76	0.109 2.77	0.083 2.11	6.35 161.29
165.1mm	6.500 165.1	+0.063 +1.60	-0.031 -0.79	0.625 15.88	0.344 8.74	6.334-0.022 160.88-0.56	0.109 2.77	0.085 2.16	6.60 167.64
6 150	6.625 168.3	+0.063 +1.60	-0.031 -0.79	0.625 15.88	0.344 8.74	6.455-0.022 163.96-0.56	0.109 2.77	0.085 2.16	6.73 170.94
216.3mm	8.516 216.3	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.469 11.91	8.331-0.025 211.61-0.64	0.109 2.77	0.092 2.34	8.69 220.73
8 200	8.625 219.1	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.469 11.91	8.441-0.025 214.40-0.64	0.109 2.77	0.092 2.34	8.80 223.52
10 250	10.750 273.0	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.469 11.91	10.562-0.027 268.27-0.69	0.134 3.40	0.094 2.39	10.92 277.37

Pipe O.D.				A	B	C	t	d	F
Nominal Size	Basic	Tolerance		± 0.030 ± 0.76	± 0.030 ± 0.76	$+0.000$ $+0.00$	Min. Wall	Groove Depth (ref.)	Max. Allowed Flare Dia.
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12 300	12.750 323.9	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.469 11.91	12.531-0.030 318.29-0.76	0.156 3.96	0.109 2.77	12.92 328.17
14 350	14.000 355.6	+0.063 +1.60	-0.031 -0.79	0.938 23.83	0.469 11.91	13.781-0.030 350.04-0.76	0.156 3.96	0.109 2.77	14.10 358.14
16 400	16.000 406.4	+0.063 +1.60	-0.031 -0.79	0.938 23.83	0.469 11.91	15.781-0.030 400.84-0.76	0.165 4.19	0.109 2.77	16.10 408.94
18 450	18.000 457.2	+0.063 +1.60	-0.031 -0.79	1.000 25.40	0.469 11.91	17.781-0.030 451.64-0.76	0.165 4.19	0.109 2.77	18.16 461.26
20 500	20.000 508.0	+0.063 +1.60	-0.031 -0.79	1.000 25.40	0.469 11.91	19.781-0.030 502.44-0.76	0.188 4.78	0.109 2.77	20.16 512.06
22 550	22.000 558.8	+0.063 +1.60	-0.031 -0.79	1.000 25.40	0.469 11.91	21.656-0.030 550.06-0.76	0.188 4.78	0.172 4.37	22.20 563.88
24 600	24.000 609.6	+0.063 +1.60	-0.031 -0.79	1.000 25.40	0.500 12.70	23.656-0.030 600.86-0.76	0.218 5.54	0.172 4.37	24.20 614.68

1. Pipe ends must be square cut. See above table for maximum allowable tolerances from square cut ends

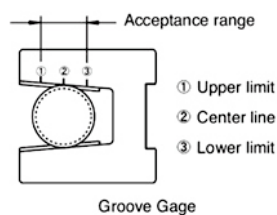


Pipe Size	G (max)
~3½"	0.030" (0.8mm)
4 ~ 6"	0.045" (1.2mm)
8" ~	0.060" (1.6mm)

2. The gasket seating surface 'A' shall be free from deep scores, marks, or ridges that would prevent a positive seal.

3. The 'C' dimensions are average values. The groove must be of uniform depth around the entire circumference. Use a 100tong groove gage or rule to check the groove diameter.

4. The 't' is the minimum allowable wall thickness that may be roll-grooved. groove gage or rule to check the groove diameter.



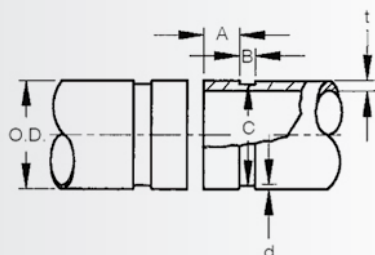
5. The 'd' is for reference use only. The groove depth shall be determined by the groove diameter 'C'.

6. Flare Diameter: The pipe end that may flare when the groove is rolled shall be within this limit when measured at the extreme end of the pipe.

Note:

100tong reserves the right to change specifications, designs and or standard equipment without notice and without incurring any obligations.

Cut Grooving Dimensions for IPS / BS / AS / ISO / JIS / KS PIPE



1	2			3	4	5	6	7
Nominal Size	Pipe O.D.			A	B	C	Min. Wall t	Groove Depth d (ref.)
	Basic	Tolerance		± 0.031 ± 0.79	± 0.031 ± 0.79	$+0.000$ $+0.00$		
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
¾ 20	1.050 26.7	+0.010 +0.25	-0.010 -0.25	0.625 15.88	0.313 7.95	0.938-0.015 23.83-0.38	0.113 2.87	0.056 1.42
1 25	1.315 33.4	+0.028 +0.71	-0.015 -0.38	0.625 15.88	0.313 7.95	1.190-0.015 30.23-0.38	0.133 3.38	0.063 1.60
1¼ 32	1.660 42.2	+0.029 +0.74	-0.016 -0.41	0.625 15.88	0.313 7.95	1.535-0.015 38.99-0.38	0.140 3.56	0.063 1.60
1½ 40	1.900 48.3	+0.019 +0.48	-0.019 -0.48	0.625 15.88	0.313 7.95	1.775-0.015 45.09-0.38	0.145 3.68	0.063 1.60
2 50	2.375 60.3	+0.024 +0.61	-0.024 -0.61	0.625 15.88	0.313 7.95	2.250-0.015 57.15-0.38	0.154 3.91	0.063 1.60
2½ 65	2.875 73.0	+0.029 +0.74	-0.029 -0.74	0.625 15.88	0.313 7.95	2.720-0.018 69.09-0.46	0.188 4.78	0.078 1.98
76.1 mm	3.000 76.1	+0.030 +0.76	-0.030 -0.76	0.625 15.88	0.313 7.95	2.845-0.018 72.26-0.46	0.188 4.78	0.076 1.93
3 80	3.500 88.9	+0.035 +0.89	-0.031 -0.79	0.625 15.88	0.313 7.95	3.344-0.018 84.94-0.46	0.188 4.78	0.078 1.98
101.6 mm	4.000 101.6	+0.040 +1.02	-0.031 -0.79	0.625 15.88	0.313 7.95	3.834-0.020 97.38-0.51	0.188 4.78	0.078 1.98
108.0 mm	4.250 108.0	+0.042 +1.07	-0.031 -0.79	0.625 15.88	0.375 9.53	4.084-0.020 103.73-0.51	0.203 5.16	0.083 2.11
4 100	4.500 114.3	+0.045 +1.14	-0.031 -0.79	0.625 15.88	0.375 9.53	4.334-0.020 110.08-0.51	0.203 5.16	0.083 2.11
133.0 mm	5.250 133.0	+0.052 +1.32	-0.031 -0.79	0.625 15.88	0.375 9.53	5.084-0.020 129.13-0.51	0.203 5.16	0.083 2.11
139.7 mm	5.500 139.7	+0.056 +1.42	-0.031 -0.79	0.625 15.88	0.375 9.53	5.334-0.022 135.48-0.56	0.203 5.16	0.083 2.11
5 125	5.563 141.3	+0.056 +1.42	-0.031 -0.79	0.625 15.88	0.375 9.53	5.395-0.022 137.03-0.56	0.203 5.16	0.084 2.13
159.0 mm	6.250 159.0	+0.063 +1.60	-0.031 -0.79	0.625 15.88	0.375 9.53	6.084-0.022 154.53-0.56	0.219 5.56	0.083 2.11
165.1 mm	6.500 165.1	+0.063 +1.60	-0.031 -0.79	0.625 15.88	0.375 9.53	6.330-0.022 160.78-0.56	0.219 5.56	0.085 2.16
6 150	6.625 168.3	+0.063 +1.60	-0.031 -0.79	0.625 15.88	0.375 9.53	6.455-0.022 163.96-0.56	0.219 5.56	0.085 2.16
8 200	8.625 219.1	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.438 11.13	8.441-0.025 214.40-0.64	0.238 6.05	0.092 2.34
10 250	10.750 273.0	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.500 12.70	10.562-0.027 268.27-0.69	0.250 6.35	0.094 2.39
12 300	12.750 323.9	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.500 12.70	12.531-0.030 318.29-0.76	0.279 7.09	0.109 2.77
200 JIS	8.516 216.3	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.438 11.13	8.331-0.022 211.61-0.56	0.238 6.05	0.092 2.34
250 JIS	10.528 267.4	+0.063 +1.60	-0.031 -0.79	0.750 19.05	0.500 12.70	10.339-0.027 262.60-0.69	0.250 6.35	0.094 2.39

1	2		3	4	5	6	7
Nominal Size	Pipe O.D.		A	B	C	Min. Wall t	Groove Depth d (ref.)
	Basic	Tolerance	±0.031 ±0.79	±0.031 ±0.79	+0.000 +0.00		
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
300 JIS	12.539	+0.063	-0.031	0.750	0.500	12.319-0.030	0.279
	318.5	+1.60	-0.79	19.05	12.70	312.90-0.76	7.09
14	14.000	+0.063	-0.031	0.938	0.500	13.781-0.030	0.281
	350	+1.60	-0.79	23.83	12.70	350.04-0.76	7.14
16	16.000	+0.063	-0.031	0.938	0.500	15.781-0.030	0.312
	400	+1.60	-0.79	23.83	12.70	400.84-0.76	7.92
18	18.000	+0.063	-0.031	1.000	0.500	17.781-0.030	0.312
	450	+1.60	-0.79	25.40	12.70	451.64-0.76	7.92
20	20.000	+0.063	-0.031	1.000	0.500	19.781-0.030	0.312
	500	+1.60	-0.79	25.40	12.70	502.44-0.76	7.92
22	22.000	+0.063	-0.031	1.000	0.563	21.656-0.030	0.375
	550	+1.60	-0.79	25.40	14.30	550.06-0.76	9.53
24	24.000	+0.063	-0.031	1.000	0.562	23.656-0.030	0.375
	600	+1.60	-0.79	25.40	14.27	600.86-0.76	9.53

Pipe O.D. (Column 2):

Maximum allowable tolerances from square of ends is 0.03" for sizes up to 3-1/2" ; 0.045" for 4" thru 6" , and 0.060" for sizes 8" and above.

Gasket Seating Surface (Column 3):

The gasket seating surface shall be free from deep scores, marks, or ridges that would prevent a positive seal.

Groove Width (Column 4):

Groove width is to be measured between vertical flanks of the groove side walls.

Groove Diameter (Column 5):

The "C" diameters are average values. The groove must be of uniform depth around the entire pipe circumference.

Minimum Wall Thickness (Column 6):

The "t" is the minimum allowable wall thickness that may be cut-grooved.

Groove Depth (Column 7):

The "d" is for reference use only. The groove dimension shall be determined by the groove diameter "C" .

Note:

100tong reserves the right to change specifications, designs and or standard equipment without notice and without incurring any obligations.

101T Push Lock Coupling Installation Instructions

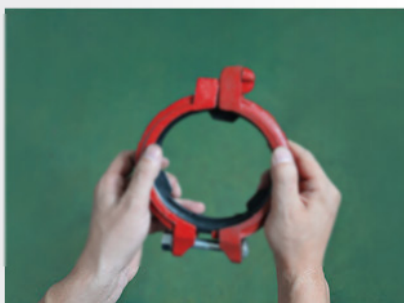


Step 1.

Inspect exterior groove and ends of the pipe to verify all burrs, loose debris, dirt, chips, paint and any other foreign material such as grease are removed. Pipe end sealing surfaces must be free from sharp edges, projections, indentations, and/or other defects.

NOTE:

A silicone based lubricant is recommended. To prevent deterioration of the gasket material a petroleum lubricant should not be used on Grade "A" "EPDM" .



Step 2.

Do not remove the nut from the bolt. Open the coupling by extending the coupling segments out to the extent allowed by the bolt and nut.

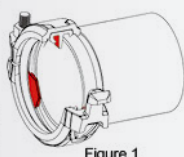
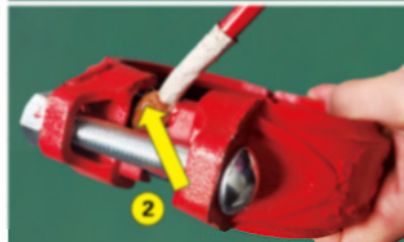


Figure 1



Figure 2



Step 3.

As shown in the picture, apply lubricant evenly around the rubber ring exposed on the shell.

The surface of the rubber ring at the groove shown in Figure 2 should also be evenly coated with lubricant.



Step 4.

Push the gasket/coupling onto one end of the pipe until the positioning-plate of the gasket is in contact with the end of the pipe (See Figure 1 red highlights is positioning-plate).

The pipe end should not cross through the positioning-plate of gasket.(See Figure 2).



Step 5.

Slide the other pipe end into the gasket/ coupling ensuring that it makes contact with the positioning-plate of the gasket.

Both pipes should be aligned vertically and horizontally.

Verify that the housing is over the gasket and that the housing keys are aligned with the pipe grooves.



Step 6.

Tighten nut to the recommended bolt torque, see sheet 1.

Visually inspect the coupling to ensure that the housing keys are engaged into the pipe grooves.

NOTE:

Bolt-torque information is supplied as a guideline in sheet 1 and may be used when setting the torque on power impact wrenches. Refer to the manufacturer' s instructions for settings.

Bolt lengths require the use of deep or extra-deep-well sockets.

Caution:

Removal of the nut from the bolt may result in the coupling segments separating at the hinges and the coupling disengaging from the pipe. Use caution to avoid equipment damage and/or personal injury.

Do not leave coupling unattended on a single pipe end as it may disengage from the pipe. Failure to do so may result in equipment damage and/or personal injury.

Required Assembly Torques

Product Size	Required Torque	
Inch	Max N.m	Max Ft-Lbs
1 "	90	66
1-1/4 "	90	66
1-1/2 "	90	66
2 "	90	66
2-1/2 "	100	73
76.1	100	73
3 "	120	88
108	140	103
4 "	140	103
133	150	110
139.7	150	110
5 "	150	110
159	150	110
165.1	150	110
6 "	150	110

Note:

When the pipe clamp bolt pad is metal to metal or the gap between the two pieces of the pipe clamp is less than 1.5mm, no greater torque is required.


WARNING

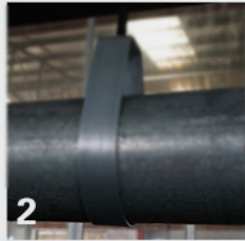
- 1、Read and understand all instructions before attempting to install any piping products.
- 2、Depressurize and drain the piping system before attempting to install, remove, or adjust any piping products.
- 3、Wear safety glasses, hardhat, and foot protection during installation.
- 4、Failure to follow these instructions could result in serious personal injury, improper product installation, and/or property damage.

Hanger Installation Instruction of 100Tong

Pear Hanger(1,2) Clevis Hanger(3,4) Cup Nut Hanger(5,6) Ring Hanger(7,8)



1. Disassemble the hanger before installation.
(PH01)



2. Use the hanger clamp the pipe, as this picture shows. Insert the bolt, the bolt must over through the nut.
(PH01)



3. Disassemble the hanger before installation. Use the hanger clamp the pipe, as this picture shows.
(CH01)



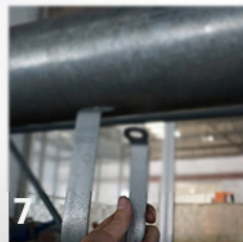
4. Use the bolt lock the hanger. Insert the bolt, the bolt must over through the nut.
(CH01)



5. Disassemble the hanger before installation. Use the hanger clamp the pipe, as this picture shows.
(CL01)



6. Use the nut lock the hanger. Insert the bolt, the bolt must over through the nut.
(CL01)



7. Disassemble the hanger before installation. Use the hanger clamp the pipe, as this picture shows.
(RH01)



8. Use the nut lock the hanger. Insert the bolt, the bolt must over through the nut.
(RH01)

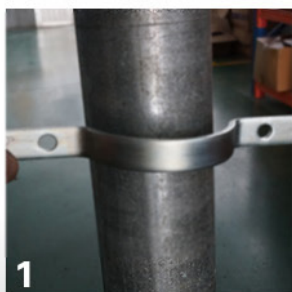
WARNING:

The hanger specification must fit the pipe O.D. The bolts must over through the nuts. Choose the right amounts of hangers that can strong enough to hold the pipe. Adjust the bolt to proper altitude.

If you need more information, Please contact us.

Hanger Installation Instruction of 100Tong

Pipe Clamp(1,2) Universal C-type Clamp(3,4,5,6)



1. Fix the clamp to a proper level.



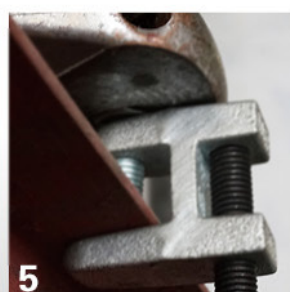
2. Tighten the nuts with the right torque (torque specifications as following blank)



3. Install the C-type Clamp properly on H steel or other fixed hanging beam.



4. Adjust the bolt to the required torque value then fasten the lock nut.



5. Use the nut lock the bolt.



6. Insert the threaded rod. The rod must reach the bottom of the clamp.

WARNING:

Over torque might break the clamp body and damage the bolt, that may cause hanging object falling and injury.

Recommendation:

use under roof installations with bar joist type constructions, or for attachment to the top or bottom flange of structural shapes where the vertical hanger rod is required to be offset from the edge of the flange and where the thickness of joist or flange does not exceed 1 1/4" .

C-type Clamp Torque Specifications			
Rod Size A	Torque Value	Max Loads	
		Top	Bottom
M10(3/8)	60	500	250
M12(1/2)	125	950	760

Pipe Clamp Torque Specifications		
Nominal Size	Bolts	Torque(N.M)
DN15	M10(3/8)	21
DN20		
DN25		
DN32		
DN40		
DN50	M12(1/2)	32
DN65		
DN80		
DN100		
DN125		
DN150	M16(5/8)	46
DN200		
DN250		
DN300		

If you need more information, please contact us.

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