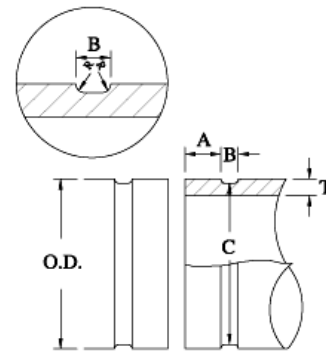


Radius Cut Grooving Dimensions – Ductile Iron Pipe



AWWA Ductile Iron Pipe

Nominal Size	Pipe O.D.			Gasket Seat A		Groove Width B +0.031 / -0.016	Groove Dia. C		Radius R	Min. Allow Wall Thickness
	Basic	Tolerance		Rigid	Flex.		Basic	Tol.		
		+	-	+0 / -0.02	+0.016 / -0.047		+0	+0		
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
3 80	3.96 100.6	+0.045 +1.14	-0.045 -1.14	0.840 21.34	0.750 19.05	0.375 9.53	3.723 94.56	-0.020 -0.51	0.120 3.05	0.31 7.9
4 100	4.80 121.9	+0.045 +1.14	-0.045 -1.14	0.840 21.34	0.750 19.05	0.375 9.53	4.563 115.90	-0.020 -0.51	0.120 3.05	0.32 8.1
6 150	6.90 175.3	+0.060 +1.52	-0.060 -1.52	0.840 21.34	0.750 19.05	0.375 9.53	6.656 169.06	-0.020 -0.51	0.120 3.05	0.34 8.6
8 200	9.05 229.9	+0.060 +1.52	-0.060 -1.52	0.840 21.34	0.875 22.83	0.500 12.70	8.781 223.04	-0.025 -0.64	0.145 3.68	0.36 9.1
10 250	11.10 281.9	+0.060 +1.52	-0.060 -1.52	1.015 25.78	0.938 23.83	0.500 12.70	10.813 274.65	-0.025 -0.64	0.145 3.68	0.38 9.7
12 300	13.20 335.3	+0.060 +1.52	-0.060 -1.52	1.015 25.78	0.938 23.83	0.500 12.70	12.906 327.81	-0.030 -0.76	0.145 3.68	0.40 10.2
14 350	15.30 388.6	+0.050 +1.27	-0.080 -2.03	1.015 25.78	0.938 23.83	0.625 15.88	14.969 380.21	-0.030 -0.76	0.165 4.19	0.42 10.7
16 400	17.40 442.0	+0.050 +1.27	-0.080 -2.03	1.340 34.04	1.188 30.18	0.625 15.88	17.063 433.40	-0.030 -0.76	0.165 4.19	0.43 10.9
18 450	19.50 495.3	+0.050 +1.27	-0.080 -2.03	1.340 34.04	1.188 30.18	0.625 15.88	19.125 485.78	-0.030 -0.76	0.185 4.70	0.44 11.2
20 500	21.60 548.6	+0.050 +1.27	-0.080 -2.03	1.340 34.04	1.188 30.18	0.625 15.88	21.219 538.96	-0.030 -0.76	0.185 4.70	0.45 11.4
24 600	25.80 655.3	+0.050 +1.27	-0.080 -2.03	1.340 34.04	1.188 30.18	0.625 15.88	25.046 645.31	-0.030 -0.76	0.185 4.70	0.47 11.9

Gasket Seating Surface (A):

The same coupling can be used either as a rigid joint or a flexible joint depending on the groove. Gasket seat "A Rigid" is for rigid joints and Gasket seat "A Flex." for flexible joints.

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

Groove Diameter (C):

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

Radius (R):

The groove must be cut with a radius 'R' at the corners of the groove to reduce stress concentration.

Minimum Wall Thickness (t):

"T" is the minimum allowable wall thickness that may be cut-grooved; tolerances are to conform to ANSI/AWWA C151/ A21.51.

Note:

- **Shurjoint** reserves the right to change specifications, designs and or standard equipment without notice and without incurring any obligations.