



QUICKLOCK PIPE TYPE B

WATER APPLICATION - TUNNELING AND MINING BUSINESS.

- Trasporto d' acqua - Utilizzo in gallerie e industria mineraria.
- Wasser, Kühlwasser - Tunnelbau, Bergbau.
- Transport et adduction d'eau, eaux chargées – Tunnel, mines.
- Aplicación de agua - Construcción de un túnel, minería.

TECHNICAL NOTES:

Pipes are bundled in hexagonal rigid bundles to ease unloading, handling and safety at jobsite.
Pipes can be manufactured with any thickness available on the market, options indicated are the lower to guarantee pressure rated in application with couplings proposed.
Standard lengths are 6 m / 19 ft 8,2 in for truck and 5,85 m / 19 ft 2,3 in for container.
Pipes are always longitudinally welded, never spirally welded; such solution in combination with special grooved design limits fluid turbulence.

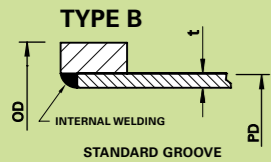
PIPE SURFACE TREATMENT OPTIONS:

- 1) Black, untreated. Suitable for temporary pipeline.
- 2) Hot dip galvanized EN1461:2009 lead free. Suitable for a long lasting protection from corrosion.
- 3) External light painting with water based liquid coating. Suitable when short terms protection it is acceptable.
- 4) External anticorrosion coating: layer polyethylene, layer polypropylene, fusion bonded epoxy, dual layer fusion bonded epoxy.
Internal coating: liquid paint, flow coat. These external and internal coatings are available only in case of large projects.



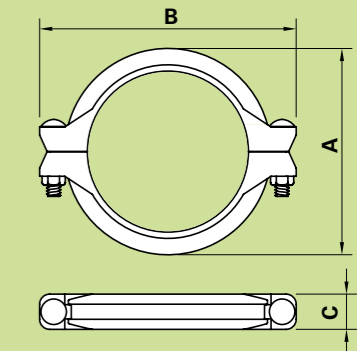
Pipes Type B - Standard Cut grooved dimensions

Nominal size In / DN	O.D. inches mm	P.D. inches mm	Nominal Pressure psi / bar	t inches mm	Steel grade US ** EU	Grooved ends type	Black pipe approx. weight 6 m lbs / Kg *	→	Nominal size In / DN	Groove size In / mm	Nominal Pressure psi / bar	Approx. Dimensions			Groove	Approx. Weight lbs / Kg
						Groove						A in / mm	B in / mm	C in / mm		
2 1/2" 65	3.000 76.1	70	500 34	0.060 1.5	Grade B S235	B standard	34.4 15.6		2 1/2" 65	3.000 76.1	500 34	3.94 100	5.71 145	1.78 45	standard	1.9 0.9
3" 80	3.500 88.9	80	500 34	0.060 1.5	Grade B S235	B standard	39.3 17.8		3" 80	3.500 88.9	500 34	4.53 115	6.30 160	1.78 45	standard	2.9 1.3
4" 100 ✓	4.500 114.3	4.250 108	500 34	0.060 1.5	Grade B S235	B standard	53.2 24.1		4" 100	4.500 114.3	500 34	5.80 147	8.03 204	2.13 54	standard	4.1 1.9
4" 100	4.500 114.3	4.250 108	500 34	0.080 2	Grade B S235	B standard	70.1 31.8		4" 100	4.500 114.3	500 34	5.80 147	8.03 204	2.13 54	standard	4.1 1.9
5" 125	5.500 139.7	130	450 31	0.080 2	Grade B S235	B standard	85.1 38.6		5" 125	5.500 139.7	450 31	6.80 173	9.59 244	2.13 54	standard	6.3 2.9
6" 150 ✓	6.625 168.3	6.250 159	300 21	0.060 1.5	Grade B S235	B standard	78.7 35.7		6" 150	6.625 168.3	450 31	8.00 203	11.07 281	2.28 58	standard	7 3.2
6" 150	6.625 168.3	6.250 159	360 25	0.080 2	Grade B S235	B standard	104 47.2		6" 150	6.625 168.3	450 31	8.00 203	11.07 281	2.28 58	standard	7 3.2
6" 150 ✓	6.625 168.3	6.250 159	450 31	0.100 2.5	Grade B S235	B standard	129.2 58.6		6" 150	6.625 168.3	450 31	8.00 203	11.07 281	2.28 58	standard	7 3.2



STANDARD Couplings - Ductile Iron

Nominal size In / DN	Groove size In / mm	Nominal Pressure psi / bar	Approx. Dimensions			Groove	Approx. Weight lbs / Kg
			A in / mm	B in / mm	C in / mm		
2 1/2" 65	3.000 76.1	500 34	3.94 100	5.71 145	1.78 45	standard	1.9 0.9
3" 80	3.500 88.9	500 34	4.53 115	6.30 160	1.78 45	standard	2.9 1.3
4" 100	4.500 114.3	500 34	5.80 147	8.03 204	2.13 54	standard	4.1 1.9
4" 100	4.500 114.3	500 34	5.80 147	8.03 204	2.13 54	standard	4.1 1.9
5" 125	5.500 139.7	450 31	6.80 173	9.59 244	2.13 54	standard	6.3 2.9
6" 150	6.625 168.3	450 31	8.00 203	11.07 281	2.28 58	standard	7 3.2
6" 150	6.625 168.3	450 31	8.00 203	11.07 281	2.28 58	standard	7 3.2
6" 150	6.625 168.3	450 31	8.00 203	11.07 281	2.28 58	standard	7 3.2



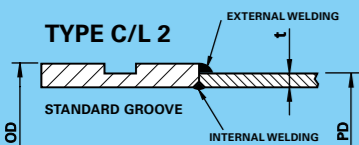
QUICKLOCK PIPE TYPE C - SLURRY

SLURRY APPLICATION - TUNNELING AND MINING BUSINESS.

- Drenaggio dei fanghi – Utilizzo in galleria, industria mineraria e attività industriali.
- Förder- Speisekreislauf – Tunnelbau, Bergbau.
- Drainage des sols – Tunnel, mines, carriere, BTP, chantiers navals.
- Aplicación de lechada - Construcción de un túnel, minería.

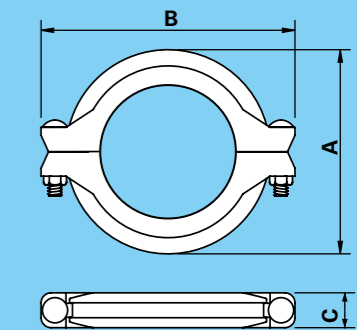
Pipes Type C - Standard cut grooved dimensions

Nominal size In / DN	O.D. inches mm	P.D. inches mm	Nominal Pressure psi / bar	t inches mm	Steel grade US ** EU	Grooved ends type	Black pipe approx. weight 6 m lbs / Kg *	→	Nominal size In / DN	Groove size In / mm	Nominal Pressure psi / bar	Approx. Dimensions			Groove	Approx. Weight lbs / Kg
						Groove						A in / mm	B in / mm	C in / mm		
8" 200	8.625 219.1	8.000 203	450 31	0.219 5.6	X52 S355	C/L2 standard	374.8 170		8" 200	8.625 219.1	1000 69	11.00 279	14.75 375	2.50 63	standard	20.8 9.4
10" 250	12.750 323.9	10.750 273	300 21	0.250 6.3	X52 S355	C/L2 standard	595.3 270		12" 300	12.750 323.9	800 55	15.63 397	19.25 489	2.63 67	standard	27.8 12.6
12" 300	14.000 355.6	12.750 323.9	300 21	0.271 7.1	X52 S355	C/L2 standard	771.6 350		14" 350	14.000 355.6	300 21	16.63 422	19.88 505	2.88 73	standard	35.6 16.1
14" 350	14.842 377	14.000 355.6	300 21	0.271 7.1	X52 S355	C/L2 standard	837.8 380		14" 350	14.842 377	300 21	17.39 442	20.96 531	2.8 71	standard	39.2 17.8
16" 400	16.772 426	16.000 406.4	300 21	0.271 7.1	X52 S355	C/L2 standard	956.8 434		16" 400	16.772 426	300 21	19.69 500	22.92 581	2.92 74	standard	56.7 25.7
18" 450	18.898 480	18.000 457.2	300 21	0.337 8.6	X52 S355	C/L2 standard	1300.7 590		18" 450	18.898 480	300 21	22.38 569	25.86 655	3.04 77	standard	77.2 35
20" 500 ✓	20.866 530	20.000 508	300 21	0.375 9.5	X52 S355	C/L2 standard	1591.7 722		20" 500	20.866 530	300 21	24.29 617	27.80 704	3.07 77	standard	91.7 41.6



HP Couplings - Ductile Iron

Nominal size In / DN	Groove size In / mm	Nominal Pressure psi / bar	Approx. Dimensions			Groove	Approx. Weight lbs / Kg
			A in / mm	B in / mm	C in / mm		
8" 200	8.625 219.1	1000 69	11.00 279	14.75 375	2.50 63	standard	20.8 9.4
12" 300	12.750 323.9	800 55	15.63 397	19.25 489	2.63 67	standard	27.8 12.6
14" 350	14.000 355.6	300 21	16.63 422	19.88 505	2.88 73	standard	35.6 16.1
14" 350	14.842 377	300 21	17.39 442	20.96 531	2.8 71	standard	39.2 17.8
16" 400	16.772 426	300 21	19.69 500	22.92 581	2.92 74	standard	56.7 25.7
18" 450	18.898 480	300 21	22.38 569	25.86 655	3.04 77	standard	77.2 35
20" 500	20.866 530	300 21	24.29 617	27.80 704	3.07 77	standard	91.7 41.6



✓ - Most Popular.

* - Hot dip galvanized pipe weight +10%.

** - US Steel grade is for reference only.