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Circular Pipes

Circular concrete pipes are available in an extensive range from DN 300 to DN 2400 with a full range of fittings including bends, fixed branch and universal junctions, rocker and butt pipes.

Pipes are available with an IG (intergrated gasket) joint for DN 300-1800 and SG (sliding gasket) joint for DN 2000-2400.



The IG joint features a factory fitted gasket which means:

- **Savings** in labour and time as there are no loose gaskets to fit
- **Watertight** joints as debris is excluded from the joint sealing area
- **Reliable and consistent** joints as the gasket is already fixed into the correct position
- IG joint pipes employ an intergrated gasket and protective strip gasket cast into the pipe socket.
- SG joint pipes employ a sliding gasket fitted onto the pipe spigot on site.
- Gaskets are manufactured in SBR or EPDM and comply with BS EN 681-1.
- Nitrile gaskets are available to order for IG joint pipes.
- Pipes will not joint to other manufacturer's pipes.
- Pipes are vertically cast using vibration to compact a semi-dry concrete mix into the mould.
- Actual bore sizes available on request.

Rocker & Butt Pipes Data

Nominal Size of Pipe	Effective Length	
	Rocker Pipe	Butt Pipe
DN	m	m
300 – 600	0.6	0.6
675 – 1200	1.0	1.25
1350 – 1800	1.25	1.25

All dimensions are approximate. Rocker pipes above DN 1800 are not recommended due to potential over deflection of the pipe joint under settlement.

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Concrete Pipes Data

Nominal Size DN	Pipe Dimensions Class 120				Delivery Details			Design Data		
	Effective Length 'A' mm	External Diameter		Wall Thickness 'D' mm	Approx. Weight of Pipe		Pipes Per Normal 24T Full Load	Angular Deflection Degrees	Proof Load kN/m	Crushing Load kN/m
		Socket 'B' mm	Barrel 'C' mm		Full length kg	Rocker kg				
300	2500	487	410	55	425	135	56	2.4	29	36
375	2500	562	485	55	505	155	47	1.9	36	45
450	2500	670	578	64	710	225	33	1.6	43	54
525	2500	792	669	72	950	300	25	1.4	50	63
600	2500	876	768	84	1215	375	19	1.2	58	72
675	2500	968	825	75	1275	650	18	1.1	54	81
750	2500	1056	910	80	1500	750	16	1.0	60	90
800	2500	1130	975	85	1650	775	14	0.9	64	96
900	2500	1248	1080	90	2025	925	11	0.8	72	108
1050	2500	1436	1260	105	2700	1250	8	0.7	84	126
1200	2500	1616	1440	120	3500	1550	6	0.6	96	144
1400	2500	1740	1680	150	4550	2275	5	0.5	112	168
1500	2500	1950	1800	150	5300	2700	4	0.5	120	180
1600	2500	1980	1920	160	5580	2830	4	0.4	128	192
1800	2500	2220	2160	180	7100	3600	3	0.4	144	216
2000	2400	2460	2400	200	8700	-	2	0.4	160	240
2200	2320	2640	2640	220	10400	-	2	0.3	176	264
2400	2400	2840	2840	220	11200	-	2	0.3	192	288

All dimensions and weights are approximate, customers should ensure that lifting equipment has sufficient capacity to allow for variations.

