

G-CAST[®]



SIRIM
ECO-LABEL



SIRIM
MS 881 : PART 3 : 1991

SPAN APPROVED

Precast Concrete Rebated Joint Pipes



CERTIFIED TO ISO 9001:2015



CERTIFIED TO ISO 9001:2015



CERTIFIED TO ISO 9001:2015



G-Cast Overview

G-CAST produces a comprehensive range of precast reinforced concrete pipes with REBATED JOINT to meet the market demand and requirements. Pipes are manufactured to Malaysian Standard MS 881:Part 3, by spinning process.

Special Pipes

- Can be designed and manufactured to suit individual project requirements.



MS 881 : PART 3 : 1991



SIRIM
ECO-LABEL

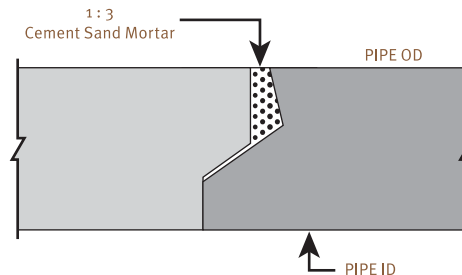
SPAN APPROVED

PIPE JOINING AT SITE

Pipe joints to be filled and flushed with 1 : 3 (by volume) cement sand mortar at site.

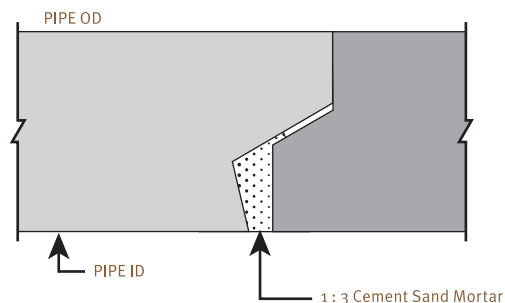
EXTERNALLY FLUSHED JOINT

The pipe joints are to be EXTERNALLY flushed for pipe diameter 300mm to 1200mm.



INTERNALLY FLUSHED JOINT

The pipe joints are to be INTERNALLY flushed for pipe diameter 1350mm and above.



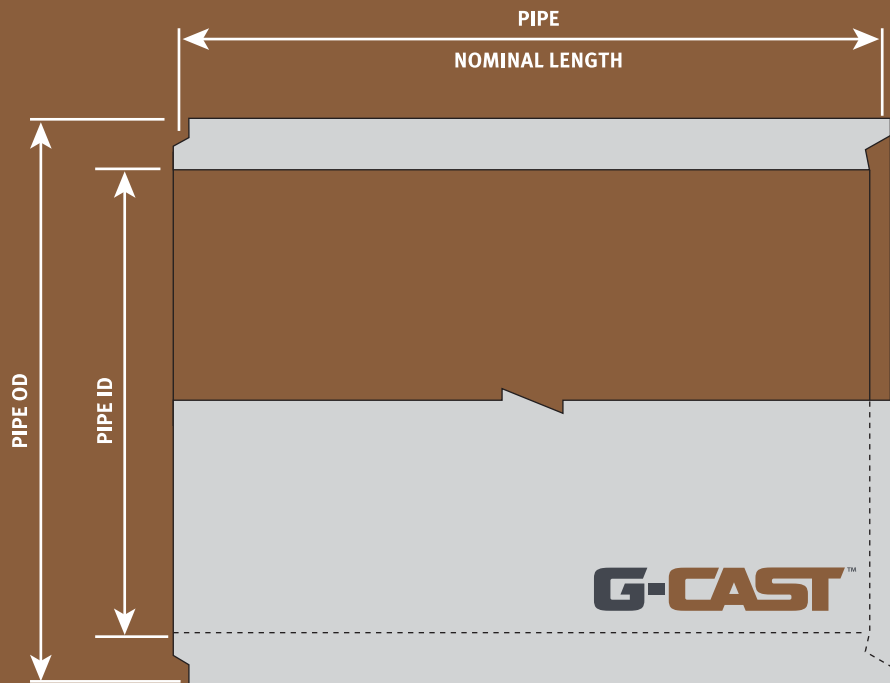
Crushing Test Loads

(KiloNewtons per metre of effective length)

Nominal Size of Pipe (mm)	Class L		Class M		Class H	
	Works Proof Load	Max. Load	Works Proof Load	Max. Load	Works Proof Load	Max. Load
150	20	25	23	29	36	45
225	20	25	23	29	36	45
300	20	25	23	29	36	45
375	20	25	31	39	36	45
450	20	25	35	44	41	52
525	20	25	38	48	46	58
600	20	25	46	58	54	68
675	20	25	50	63	60	75
750	38	48	53	67	65	81
825	41	52	58	72	69	86
900	46	58	67	84	85	106
975	48	60	72	90	91	114
1050	51	64	76	95	96	120
1125	53	67	82	103	106	133
1200	58	72	87	109	110	138
1350	63	79	96	120	122	153
1500	69	87	104	130	132	165
1650	75	94	116	145	146	183
1800	82	103	124	155	158	198
1950	88	110	135	169	169	212

Product Specification

Diameter Range	300 - 1950mm
Strength Class	S, X, Y, Z, Z-PLUS(1.5Z, 2Z, ETC) ; L, M, H, H-PLUS(1.5H, 2H, ETC)



Nominal Diameter		Nominal Pipe Length	STRENGTH CLASS							
			X, Y, Z L, M, H				Z-PLUS (1.5Z, 2Z, ETC) H-PLUS (1.5H, 2H, ETC)			
			Pipe ID (mm)	Pipe OD (mm)	Wall Thickness (mm)	Pipe Weight (Ton)	Pipe ID (mm)	Pipe OD (mm)	Wall Thickness (mm)	Pipe Weight (Ton)
300	12	1.520	300	370	35	0.14	300	445	72.5	0.32
375	15	1.520	375	445	35	0.17	375	530	77.5	0.41
450	18	1.520	450	530	40	0.23	450	615	82.5	0.51
525	21	1.520	525	615	45	0.30	525	700	87.5	0.63
600	24	1.520	600	700	50	0.38	600	860	130	1.11
750	30	1.520	750	860	55	0.52	750	1,030	140	1.46
900	36	1.520	900	1,030	65	0.73	900	1,200	150	1.84
1,050	42	1.520	1,050	1,200	75	0.99	1,050	1,370	160	2.26
1,200	48	1.520	1,200	1,370	85	1.28	1,200	1,540	170	2.72
1,350	54	1.520	1,350	1,540	95	1.61	1,350	1,710	180	3.22
1,500	60	1.520	1,500	1,710	105	1.97	1,500	1,880	190	3.76
1,650	66	1.520	1,650	1,880	115	2.37	1,650	2,050	200	4.33
1,800	72	1.520	1,800	2,050	125	2.82	1,800	2,220	210	4.94
1,950	78	1.520	1,950	2,220	135	3.29				

In view of continual improvements we reserve the right to alter the specifications contained in this catalogue without prior notice.



G-CAST CONCRETE SDN BHD (971228-X)

A-1-3A, Pusat Perdagangan Kuchai
No. 2, Jalan 1/127, Off Jalan Kuchai Lama
58200 Kuala Lumpur, Malaysia

T : +603 7982 8168

F : +603 7982 8068

www.g-cast.com.my

Factory :

- Plot 6, Jalan Bunga Azalea 1/2, Kawasan Industri Jalan Bunga Azalea 48200 Serendah, Selangor Darul Ehsan, Malaysia.
- Lot 647, Jalan Kulai Kota Tinggi, Mukim Ulu Sungai Johor, Kota Tinggi, Johor Darul Takzim, Malaysia
- Lot 12448-12473, Kawasan Perindustrian Bidor, Mukim Bidor, Daerah Batang Padang, 35500 Perak Darul Ridzuan, Malaysia.
- Lot 1561, Kampong Stesen, Sungai Choh, 48000 Rawang, Selangor Darul Ehsan, Malaysia.
- No. 1, Jalan Starken, Batu 5, Jalan Mawai, 81900 Kota Tinggi, Johor Darul Takzim, Malaysia.



SIRIM

MS 881 : PART 3 : 1991



SIRIM

ECO-LABEL

SPAN APPROVED

Distributed by:

