

# PRECAST REINFORCED CONCRETE

PRECAST CONCRETE SOCKET JOINT PIPES



## OVERVIEW:

TEKUN Produces a comprehensive range of precast reinforced concrete pipes with spigot & socket joint to meet the market demand and requirements. Pipes are manufactured under Malaysian Standard MS 881: Part 1 by spinning process.

## SPECIAL PIPES

- Special pipes can be designed and manufactured to fulfill the individual project requirement.
- Pipes can be manufactured using Ordinary Portland Cement (OPC), Pulverized Fuel Ash Cement (MASCRETE / EKOCRETE) or Sulphate Resistance Portland Cement (SRPC).
- Pipes Internal Lining can be manufactured using High Alumina Cement (HAC lining), High Density Polyethylene (HDPE lining), Sacrificial Concrete lining, or EPOXY coating.

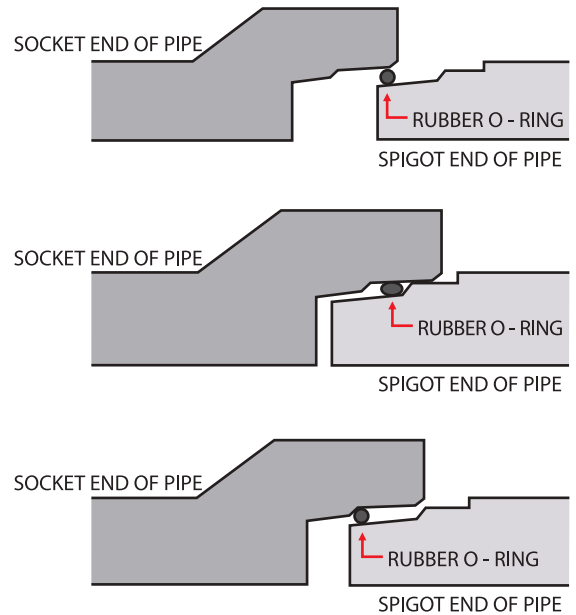
## APPLICATION

Used for sewerage, chemical corrosion liquid or storm water conveyance. The joints provide maximum water tightness and protection leaking to the surrounding environment. Flexible joint pipes also common used in laying high backfill land or underlying ground.

## JOINT TYPE

TEKUN Spigot and Socket Joint Pipes come with sliding rubber O-Ring which are designed as flexible joint pipes.

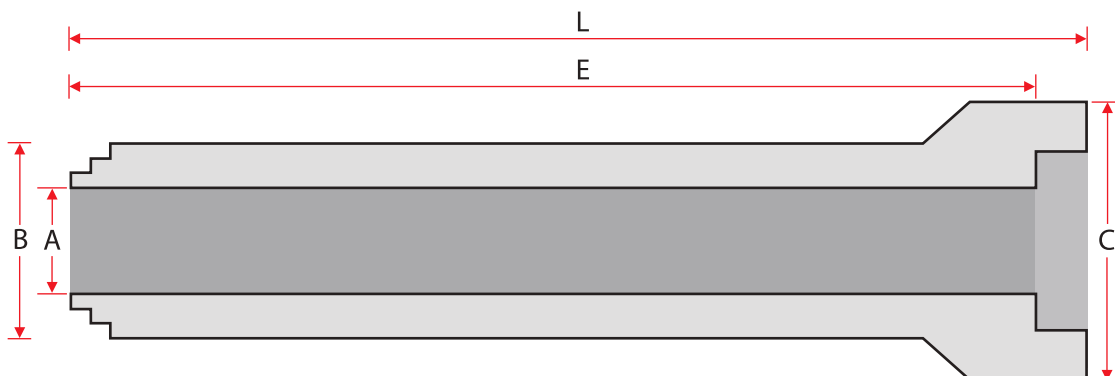
## PIPE JOINTING



## DESIGN AND SPECIFICATION

Standard	: Designed to the MS 881 : Part 1 with Socket Rubber Ring Joint
Diameter Range	: 300 mm - 1800 mm
Strength Class	: S , X , Y , Z , Z-Plus (1.5Z, 2Z, ETC) : L , M , H , H-Plus (1.5H, 2H, ETC)

## Product Specification



# 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
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

\* Due to continuous improvement, the above technical information is subject to change without prior notice.

# SIZE

Nominal Diameter		Effective Length	Overall Length	Barrel Internal Diameter	Barrel External Diameter	Socket External Diameter	Approxim. Weight Per Pipe			
		E	L	A	B	C	S	X / L	Y / M	Z / H
(mm)	(in)	(mm)	(mm)	(mm)	(mm)	(mm)	Tonne	Tonne	Tonne	Tonne
300	12	3050	3120	300	370	440	0.28	0.28	0.28	0.28
375	15	3060	3138	375	445	535	0.38	0.38	0.38	0.38
450	18	3060	3138	450	530	628	0.51	0.51	0.52	0.52
525	21	3060	3138	525	615	706	0.67	0.67	0.68	0.68
600	24	3060	3155	600	700	805	0.86	0.86	0.87	0.87
675	27	3065	3155	675	775	880	0.96	0.97	0.98	0.98
750	30	3065	3155	750	860	995	1.17	1.18	1.19	1.20
825	33	3065	3168	825	945	1091	1.41	1.42	1.43	1.45
900	36	3065	3190	900	1030	1151	1.68	1.69	1.71	1.73
975	39	3048	3190	975	1115	1254	1.96	1.98	2.00	2.02
1050	42	3048	3180	1050	1200	1342	2.27	2.28	2.31	2.33
1125	45	3048	3180	1125	1285	1444	2.59	2.62	2.64	2.67
1200	48	3040	3180	1200	1370	1501	2.95	2.98	3.00	3.03
1350	54	3040	3180	1350	1540	1694	3.71	3.74	3.78	3.81
1500	60	3040	3180	1500	1710	1854	4.65	4.67	4.70	4.74
1650	66	3040	3180	1650	1880	2060	5.64	5.66	5.69	5.75
1800	72	3030	3180	1800	2050	2260	6.70	6.73	6.79	6.85

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# TEKUN CONCRETE (M) SDN. BHD.

(631383-X)



**HEADQUARTER:** Lot 922 Batu 11, Jalan Tekun Concrete, 84300 Bukit Pasir, Muar, Johor.  
**Tel:** 06-9859 330 / 331 / 332 **Fax:** 06-9859 336 **Website:** www.tekunconcrete.com  
**Email:** info@tekunconcrete.com / tekunconcretesb@gmail.com

**TERENGGANU OFFICE / FACTORY :** Lot 12724, Kawasan Perindustrian Wakaf Tapai, KM 29, Jalan Kuala Berang, 21040 Wakaf Tapai, Terengganu.  
**Tel:** 09-6801 405 / 406 / 407 **Fax:** 09-680 1005 **Email:** trgtekun@hotmail.com

**BAKRI BRANCH :** Bt. 5 1/2, Jalan Bakri, 84000 Muar, Johor.

## TEKAD HARMONI SDN. BND.

### Transportation Business

Lot 2071 & 623, Parking Lot Sungai Terap, Bukit Pasir, 84300 Muar, Johor, Malaysia.  
**Tel:** 06-985 8116 **Fax:** 06-985 9055 **H/P:** 012-684 4586



**SIRIM**

MS 881 : PART 1 : 1991  
Cert : PC 004631



CERTIFIED TO ISO 9001 : 2015  
CERT . NO : QMS 03411



CERTIFIED TO ISO 9001 : 2015  
CERT . NO : QMS 02086



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CERTIFIED TO ISO 9001 : 2015  
CERT . NO : QMS 03411