



METROPOLITAN CEBU WATER DISTRICT
TECHNICAL STANDARDS COMMITTEE

Prepared and Submitted by the
TECHNICAL STANDARDS COMMITTEE

SHOP DRAWING

No. DS13k-03:2022

STANDARD CONSTRUCTION DRAWING FOR

DUCTILE IRON DOUBLE - HUB 22.5° & 11.25° ELBOWS
FOR D.I. PIPE CONNECTIONS

MEMBERS

ED:

CD:

PAMD:

PD:

CSD:

PMMD:

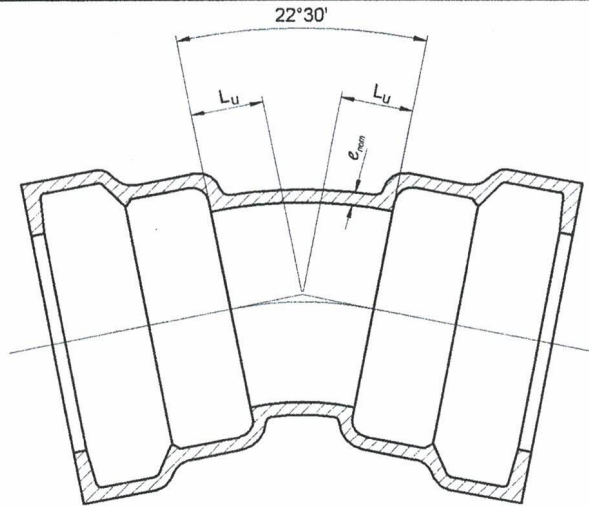
REVISION OF:

No. DS13k-02:2016

SHEET

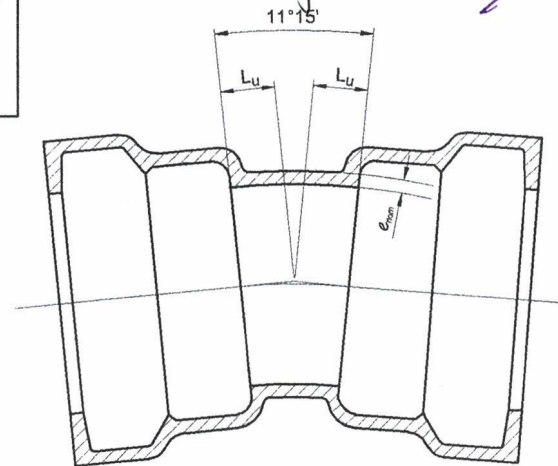
No. 1/1

REVISIONS:



MANUFACTURER'S NAME
 PRESSURE RATING
 MCWD
 MATERIAL
 YEAR MADE

EMBOSSED MARKINGS



Dimensions of Double Hub 22.5° and 11.25° Elbows

DN	e _{nom}	L _u		DN	e _{nom}	L _u	
		90° (1/4) Elbows	45° (1/8) Elbows			90° (1/4) Elbows	45° (1/8) Elbows
40	7.0	30	25	600	13.2	150	85
50	7.0	30	25	700	14.4	175	95
60	7.0	35	25	800	15.6	195	110
65	7.0	35	25	900	16.8	220	120
80	7.0	40	30	1000	18.0	240	130
100	7.2	40	30	1100	19.2	260	140
125	7.5	50	35	1200	20.4	285	150
150	7.8	55	35	1400	22.8	260	130
200	8.4	65	40	1500	24.0	270	140
250	9.0	75	50	1600	25.2	280	140
300	9.6	85	55	1800	27.6	305	155
350	10.2	95	60	2000	30.0	330	165
400	10.8	110	65	2200	32.4	355	190
450	11.4	120	70	2400	34.8	380	205
500	12.0	130	75	2600	37.2	400	215

NOTES:

1. MATERIAL SHALL BE DUCTILE IRON CONFORMING TO ASTM - A 536.
2. INTERNAL LININGS SHALL CONFORM TO ALL REQUIREMENTS OF SECTION 4.5.2 OF ISO 2531:2009
3. EXTERNAL COATING SHALL BE LIQUID OR POWDER EPOXY
4. MATERIAL OF RUBBER GASKET IS EPDM CONFORMING TO ISO 4633 CLASS 70 AND SUITABLE FOR DRINKING WATER
5. ALL DIMENSIONS ARE IN MILLIMETER AND CONFORMED TO SECTION 8.3 OF ISO 2531:2009 .