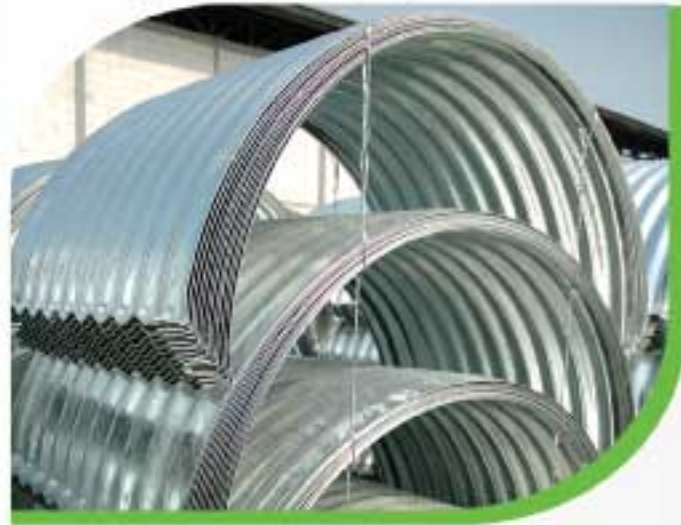


## TIPE DUA TANGKUP (Two Plate Type) Nestable Flange E-100

Tipe dua tangkup ini merupakan tipe paling sederhana dan serbaguna untuk gorong-gorong, jembatan kecil. Penutup atap konveyor, maupun macam-macam saluran pembuangan lainnya dengan panjang efektif 1000MM. Ukuran diameter yang tersedia dari 450 MM s/d 1.800 MM dengan ketebalan plat mulai dari 2.0 MM s/d 3.5 MM.

The two plate type is the simplest and most versatile type for culverts and small bridges. Conveyor covers, as well as various other types of drain with an effective length of 1,000mm. Diameter sizes are available from 450 mm up to 1800 mm, with plate thickness ranging from 2.0 mm up to 3.5 mm.



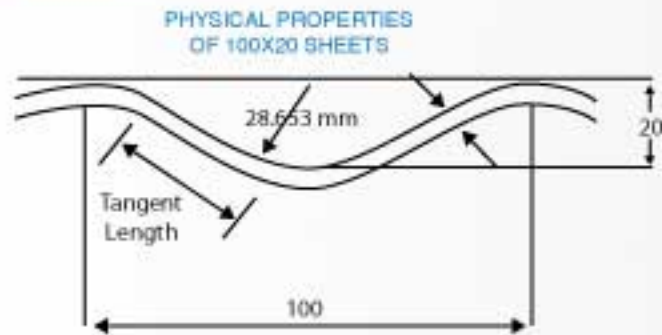
### Flanged & Bolted Joint Ultimate Seam Strength (Uss) Kekuatan sambungan Ultimate Recommended Flexibility Factor (Ft) = 0.143 max. mm/N

THICKNESS MM	Uss KN / M
2.0	265
2.5	380
3.0	475
3.5	580

### Approximate Weight (Perkiraan Berat) Kg/M

DIAMETER MM	WALL THICKNESS Ketebalan Plat (MM)			
	2.0 MM	2.5 MM	3 MM	3.5 MM
450	30	38	45	54
500	35	44	53	61
600	40	48	60	68
800	49	61	74	89
900	55	69	83	96
1,000	60	75	90	101
1,200	75	96	113	126
1,400	83	104	125	146
1,500	92	115	137	159
1,600	94	120	141	166
1,800	109	136	164	191

### Dimensi (Dimension)



### Sectional Properties of CSP With 100 MM x 20 MM

THICKNESS (MM)	TANGENT LENGTH (MM)	MOMENT OF INERTIA (MM <sup>4</sup> /MM)	AREA OF SECTION (MM <sup>2</sup> /MM)	SECTION MODULUS (MM <sup>3</sup> /MM)	RADIUS OF GYRATION (MM)
1.6	21.39	79.02	1.728	7.217	6.76
2.0	22.96	96.85	2.188	8.905	6.65
2.5	22.52	118.28	2.738	10.523	6.58
3.0	22.87	146.6	3.283	12.660	6.66
3.5	21.61	158.46	3.829	13.486	6.43

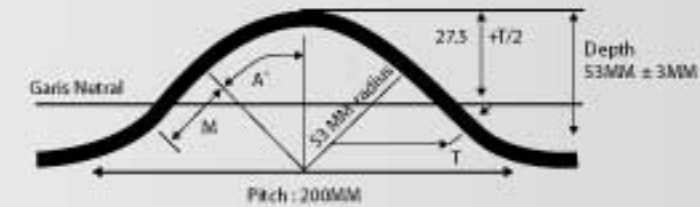
## MULTI PLATE

Multi Plate merupakan pipa baja bergelombang terdiri dari segment-segment/lembaran-lembaran plate yg tergalvanis, dirakit dengan memakai Bolt High Tensile disesuaikan dengan bentuk dan ukuran yang dibutuhkan.

Multi Plate is made of corrugated galvanized steel pipe plate segments assembled by means of High Tensile Steel Bolts of the correct shape and size.



### Dimensi (Dimension)



All Multi Plate components are rust proofed with Hot Dip Galvanizing. For the wave pitch plate size of 200 mm x 55 mm depth, plate thickness starts from 3 mm up to 7 mm.

Standard plate has three types of widths, namely: ± 940 mm, 1,175 m and 1,410 mm size, each with a length of 2,400 mm

### Spesifikasi (Specification)

T (MM)	M (MM)	A (Degrad)	Moment Of Inertia (WMA/MM)	Section Modulus (MM <sup>3</sup> /MM)	Radius Of Gyration (MM)	Section Area (MM <sup>2</sup> /MM)
3.00	32.28	43.20	1130	46	8.38	3.58
2.50	30.58	43.50	1588	55	8.58	4.15
4.00	35.88	43.70	1800	60	8.60	4.72
5.00	28.08	44.30	1900	70	8.60	5.48
6.00	26.58	47.60	2750	88	8.78	7.18
7.00	24.48	47.70	3200	103	8.78	8.38

Semua Multi Plate Struktur dilapisi anti karat Hot Dip Galvanized. Untuk ukuran gelombang plate pitch 200 MM x depth 55 MM, ketebalan plate mulai dari 3 MM s/d 7 MM.

Plate standard ini mempunyai 3 macam lebar yaitu: ukuran ± 940 MM, 1,175 MM, dan 1,410 MM, masing-masing dengan panjang 2,400 MM.

### Rincian Pelat Tidak Lengkung (Details of Uncurved Plate)

