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\*material JIS G3101 Eq.SS400 / JIS G3131 Eq.SpHC

# CORRUGATED STEEL PIPE

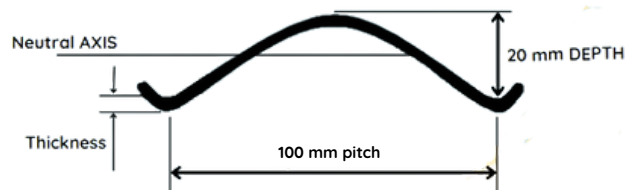
## Nestable Flange E-100 type

Nestable flange E-100 type is the simplest type. It's beneficial for water-channel, aqueduct, roof conveyor covering and various sewage systems. It's effective length is 1000mm, provided diameter is 400-2100 mm, steel plate thickness is 2,0 - 3,5 mm.

### Dimension and approximate weight of nestable flange type e-100

Diameter	Weight / M (kg/m)			
	2,0	2,5	3,0	3,5
400	28	34	41	47
450	30	38	45	52
500	33	41	49	57
600	39	48	58	67
800	50	62	75	87
900	56	69	83	97
1000	61	77	92	107
1200	73	91	109	126
1400	84	105	125	146
1500	90	112	134	156
1600	95	119	142	166
1800	-	133	159	186
2000	-	-	176	205
2100	-	-	185	215

### Dimension of Corrugated



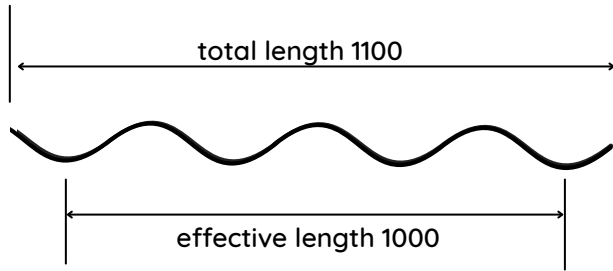
### Maximum pile cover

Diameter (mm)	Area (m <sup>2</sup> )	Max. Pile*							
		Highway load				Railway load			
		2	2,5	3	3,5	2	2,5	3	3,5
400	0,13	27	40,2	47,2	-	18,9	26	28,3	-
450	0,16	25,4	37,4	42	-	14,2	23	25,2	-
500	0,20	22	33,7	38	-	15,1	20	22,7	-
600	0,28	21	28,1	31,5	35,1	10,6	17	18,9	21,3
800	0,5	17	22,5	23,6	28,1	8,5	13,6	14,2	17,0
900	0,64	15	18	21	25,2	7,8	11	12,6	
1000	0,79	13	16	18,9	20	5,0	9,7	11,3	12,2
1200	1,13	11	14	15,7	17,6	3,9	8,2	9,4	10,6
1400	1,51	9	12,5	13,5	15,6	-	7,2	8,1	9,5
1500	1,77	8,5	11,2	12,6	14,0	-	6,9	7,4	8,3
1600	2,01	8	10	11,8	12,8	-	-	-	7,5
1800	2,55	-	8	10,5	11,7	-	-	-	6,7
2000	3,14	-	-	9,4	-	-	-	-	-
2100	3,46	-	-	-	-	-	-	-	-

Notes :  
Minimum Cover for Highway = 0.6 meter  
Minimum Cover for Railway = 1.0 meter  
+ not suitable / tidak diperkenankan



# Nestable Flange E-100 type



## Flange & Bolted Joint Ultimate Seam Strength (U<sub>ss</sub>)

Ultimate Seam Strength Recommended Flexibility Factor (F<sub>t</sub>) = 0.143 max.mm/N

THICKNESS (mm)	U <sub>ss</sub> KN/M
2.0	265
2.5	380
3.0	475
3.5	580



## Pemasangan Nestable Flange

### a. Alat bantu & Aksesoris

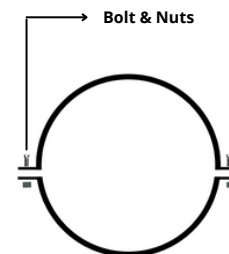
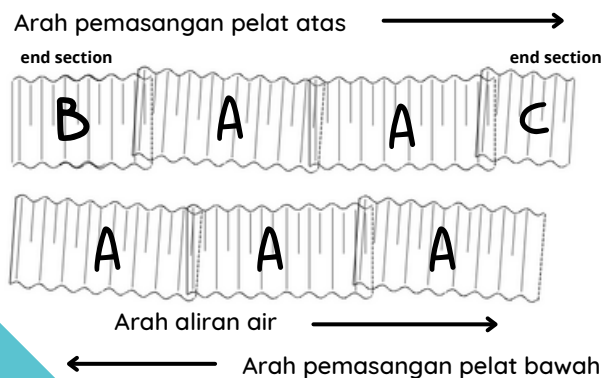
untuk pemasangan Nestable Flange E-100 dibutuhkan :

- kunci (untuk Baut Dia. 10 mm)
- Pinbar
- Baut DIN933-4,8/DIN934-1987/DIN125-2000/DIN127-1987



### b. Susunan pemasangan

- Pemasangan harus berupa susunan batu bata (selang-seling) untuk menghindari garis kritis
- Pada ujung struktur diletakkan "Pelat Ujung" berupa pelat tangkup 25 cm dan 75 cm pada ujung-ujung yang berlawanan (detail pemasangan lihat lampiran).



Note :

Type A Panjang = 1000 mm

Type B Panjang = 750 mm

Type C Panjang = 250 mm