

PT. CHASANA BAJA KONSTRUKSI

CORRUGATED STEEL - GUARDRAIL - STEEL BRIDGE



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PIPA BAJA BERGELOMBANG (Corrugated Steel Pipe)

Pipa Baja Bergelombang dimana suatu pipa yang terbuat dari baja lembaran yang telah mengalami proses pembentukan gelombang (Corrugating) dan pelengkungan (Curving), dan dilapisi dengan Zink (Galvanizing). yang antara lain dipergunakan untuk konstruksi gorong-gorong, saluran, jembatan, terowongan, penutup atas conveyor.

Corrugated Steel Pipe is a pipe made of sheet steel that has undergone the process of wave formation (Corrugating) and bending (Curving), and coated with zinc(Galvanizing).Among others, corrugated steel pipe is used for the construction of culverts, channels, bridges, tunnels and conveyor covers.

Spesifikasi Material (Material Specification)

Tipe	Komposisi Kimia Bahan Dasar Logam		Komposisi Kimia Bahan Pelapis		Sifat Mekanik		berat Lapisan Seng Minimum (g/ m2)
	Simbol	Kadar Max (%)	Simbol	Kadar Max (%)	Batas ulur minimum Mpa	Renggang Minimum %	
Flens	C	0,15	Zn	99,88	230	16	900
	P	0,05					
	S	0,05					
	Mn	0,60	Al	0,02			
	Si	0,35					

- Yield strength : 230 MPA Minimum
- Elongation Gauge Length : 16 percent Minimum on 200 MM
- Pelapisan anti karat dengan hot dip galvanized dengan ketebalan lapisan 610 gr/m2 sesuai dengan AS 1650,

ASTM A - 123

Komposisi Kimia :

- Zn 99.88% Max
- Al 0.02 % Max

- Standar Desain : AS/NZS 2041 : 1998
"buried corrugated metal structures"
- Yield strength : 230 MPA Minimum
- Elongation Gauge Length : 16 percent Minimum on 200 MM
- Anti-rust coating with hot dip galvanized with a thickness of 610 gr/m2 ini accordance with AS 1650,

ASTM A - 123

Chemical Composition :

- Zn 99.88% Max
- Al 0.02 % Max

- Design Standard : AS/NZS 2041 : 1998
"buried corrugated metal structures"

Keunggulan Produk

(The Superiority of Corrugated Steel Pipe)

Proses Produksi

(Production Process)

- Memenuhi standard test baik chemical analysis, physical properties dan ketebalan galvanis
- Proses pengerjaan cepat
- Biaya angkutan dan pemasangan rendah
- Tidak rusak/pecah pada saat pengangkutan
- Meet the test standards for chemical analysis, physical properties and thickness of the galvanizing
- Rapid process
- Low-cost transportation and installation
- Not broken / cracked during transportation

Proses Handling

(Handling Process)

- Dapat menyerap getaran dari beban di atasnya
- Tahan terhadap gempa
- Sesuai untuk kondisi tanah lembek

- Fondasi lebih ringan
- Mengurangi biaya pemeliharaan dan penggantian
- Pemasangannya mudah dan cepat
- Tidak memerlukan tenaga spesialis dan hanya menggunakan peralatan yang sederhana

- Able to absorb vibrations from loads above
- Resistant to earthquakes
- Suitable for soft soil conditions
- Lighter foundations
- Lower maintenance and replacement costs
- Easy and quick installation
- Does not require specialized personnel and needs only simple tools

Proses Pemasangan

(Installation Process)

- Dapat disesuaikan dengan kondisi lapangan
- Pemasangannya mudah dan cepat sehingga menghemat biaya perencanaan dan pemasangannya.
- Can be adapted to field conditions
- Easy and quick installation, thereby saving on costs of planning and installation

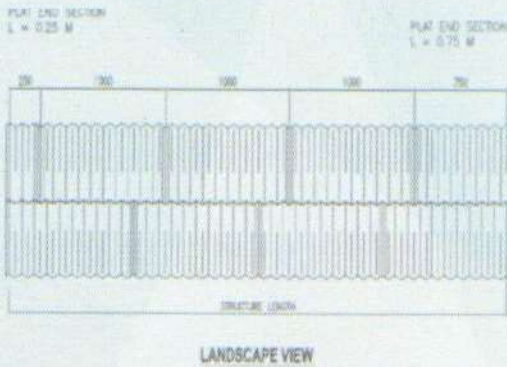
Nestable Flange / NF

Digunakan Untuk :

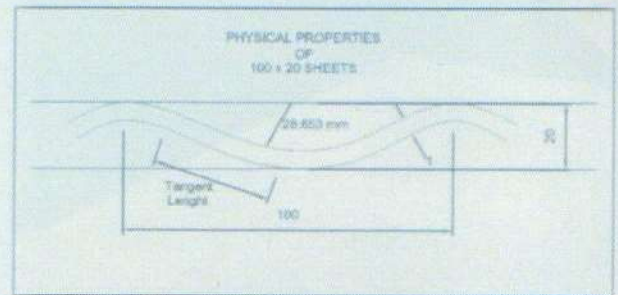
- Saluran Air Lingkungan
- Irigasi Sekunder Hingga Tersier
- Tutup Conveyor

Applied for :

- Drainage Environment
- Secondary Irrigation Up To Tertier
- Conveyor Belt Cover



1.4 Dimensi Gelombang (Corrugated Dimension)



1.2 Spesifikasi (Specification)

Design : ASTM A-798, SNI 07-0950-1990

Material : - Steel : JIS 3101 SS400 or equivalent with min. 230 Mpa Yield Point
 - Bolt and Nut : AS-1253-1973, AS-1112 grade 4.6

Galvanize : - AS 1650
 - ASTM A-123

1.3 Ukuran dan Berat (Dimension and Weight)

Diameter Nominal (mm)	Berat Struktur Per Meter Structure Weight Per Meter			
	Wall Thickness (mm)			
	2.0	2.5	3.0	3.5
450	30	38	45	54
500	35	44	53	61
600	40	48	60	68
750	47	59	71	84
800	49	61	74	89
900	55	69	83	96
1000	60	75	90	101
1200	75	96	112	126
1400	83	104	125	146
1500	92	115	137	159
1600	94	120	141	166
1800		136	164	191

Nestable Flange

