

# Corrugated Steel Pipe

## Specification Sheet



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## Applications

for storm water drainage,underdrains,the construction of culverts,and similar uses

## The standards to meet for corrugated steel pipes:

ASTM A760/A760M-15 (AASHTO M36)

standard specification for corrugated steel pipe metallic-coated for sewers and drains

ASTM A762/A762M-15 (AASHTO M245)

standard specification for corrugated steel pipe polymer precoated for sewers and drains

## Classification

- type I      roud pipe with exterir and interior corrugations
- type II     type I pipe reformed into a pipe-arch
- type III    type I pipe with preforations (class 1 and 2)

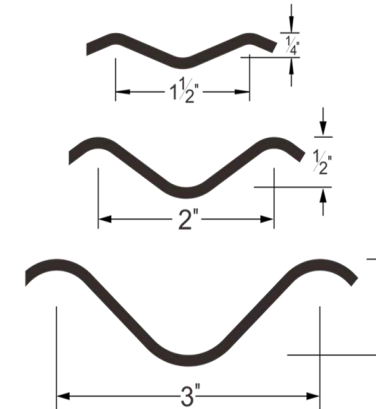
## Materials and Coatings

materials	coating
zinc(galvanizing) coated steel sheet & coils	2 oz/ft <sup>2</sup> zin coating
polymer coated sheet & coils	0.01 in.both sides
aluminum coated coils	1 oz/ft <sup>2</sup> of pure aluminum



## Corrugations

inch		mm	
pitch	depth	pitch	depth
1 1/2	1/4	38	6.5
2 2/3	1/2	68	13
3	1	75	25



## Conversion of Nominal Gage to Thickness

gage No.	22	20	18	16	14	12	10	8
uncoated thickness (in.)	0.0299	0.0359	0.0478	0.0598	0.0747	0.1046	0.1345	0.1644
galvanized thickness (in.)	0.034	0.04	0.052	0.064	0.079	0.109	0.138	0.168
galvanized thickness (mm)	0.762	1.02	1.32	1.63	2.01	2.77	3.5	4.27

Fabrication

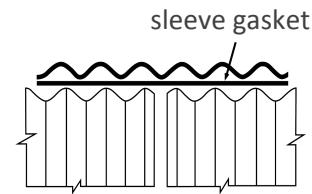
fabricated by corrugating continuous coils into helical form with lock seam



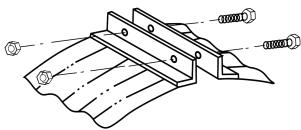
Couplings and Connection

Type Of Band	Cross - Section	Fastening Method	Gaskets	Pipe End Type Used With
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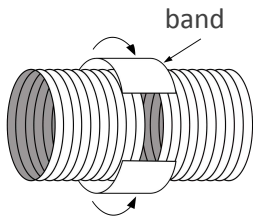
Corrugated            angles      Sleeve or Strip      Annular Plain      helical reformed



corrugated band



band angle connector



band coupling

Pipe Sizes

Nominal Inside		corrugation sizes		
		1 1/2 by 1/4 in.	2 2/3 by 1/2in.	3 by 1in.
in	mm	(38 by 6.5mm)	(68 by 13mm)	(75 by 25mm)
4	100	x		
6	150	x		
8	200	x		
10	250	x		
12	300	x	x	
15	375	x	x	
18	450	x	x	
21	525		x	
24	600		x	
27	675		x	
30	750		x	
33	825		x	
36	900		x	x
42	1050		x	x
48	1200		x	x
54	1350		x	x
60	1500		x	x
66	1650		x	x
72	1800		x	x
78	1950		x	x
84	2100		x	x
90	2250			x
96	2400			x
102	2550			x
108	2700			x
114	2850			x
120	3000			x
126	3150			x
132	3300			x
138	3450			x
144	3600			x