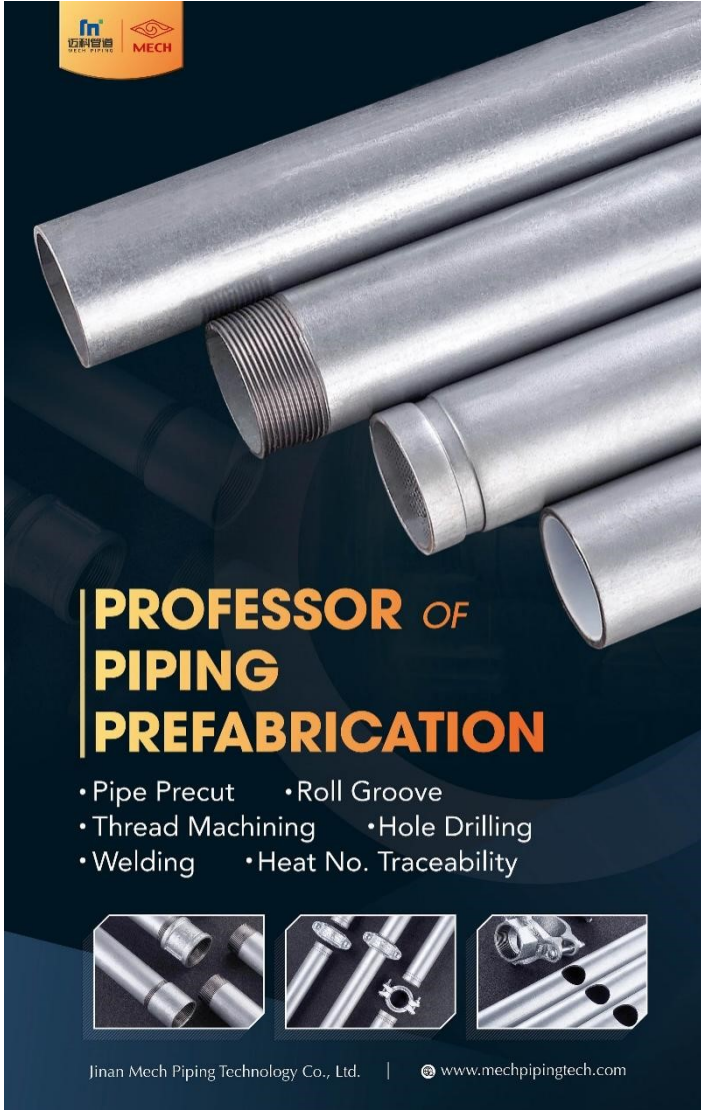




## Technical Data Sheet

### IS 4314/ASTM A795 Galv. Steel Pipe



**PROFESSOR OF  
PIPING  
PREFABRICATION**

- Pipe Precut
- Roll Groove
- Thread Machining
- Hole Drilling
- Welding
- Heat No. Traceability

Jinan Mech Piping Technology Co., Ltd. | [www.mechpipingtech.com](http://www.mechpipingtech.com)

## 1 Scope

This document specifies the requirements of IS 4314/ASTM A795 Galv. Steel Pipe.

## 2 Product Features

### 2.1 Basic Steel Pipe

IS 4314/ASTM A795

### 2.2 Chemical Composition

The steel shall conform to the requirements as to chemical composition specified in below Table 1.

TABLE 1 Chemical Requirements				
Type E (electric-resistance-welded pipe) & Type S (seamless pipe)				
Open-hearth, electric-furnace or basic-oxygen:				
	Composition, max, %			
	C	Mn	P	S
Grade B	0.3	1.2	0.035	0.035

### 2.3 Coating

2.3.1 Galvanized pipe shall be coated with zinc inside and outside by the hot-dip process. The zinc used for the coating shall be any grade of zinc conforming to Specification B6.

2.3.2 The weight of the zinc coating shall not be less than 1.5 oz/ft<sup>2</sup> [0.46 kg/m<sup>2</sup>] as determined from the average of two specimens tested and not less than 1.3 oz/ft<sup>2</sup> [0.40 kg/m<sup>2</sup>] for either of the specimens in accordance with IS 4314/ASTM A795.

## 2.4 Dimensions, Weights


Schedule	Nominal Size	Outside Diameter	Wall Thickness	Weight Plain End
	(inch)	(mm)	(mm)	(kg/m)
Schedule 10	3/4"	26.7	2.11	1.28
	1"	33.4	2.77	2.09
	1 1/4"	42.2	2.77	2.69
	1 1/2"	48.3	2.77	3.11
	2"	60.3	2.77	3.93
	2 1/2"	73.0	3.05	5.26
	3"	88.9	3.05	6.46
	4"	114.3	3.05	8.37
	5"	141.3	3.40	11.58
	6"	168.3	3.40	13.85
	8"	219.1	4.78	25.26
10"	273.1	4.78	31.62	

Schedule	Nominal Size	Outside Diameter	Wall Thickness	Weight Plain End
	(inch)	(mm)	(mm)	(kg/m)
Schedule 30 & Schedule 40	1/2"	21.3	2.77	1.27
	3/4"	26.7	2.87	1.69
	1"	33.4	3.38	2.50
	1 1/4"	42.2	3.56	3.39
	1 1/2"	48.3	3.68	4.05
	2"	60.3	3.91	5.45
	2 1/2"	73.0	5.16	8.64
	3"	88.9	5.49	11.29
	4"	114.3	6.02	16.09
	5"	141.3	6.55	21.79
	6"	168.3	7.11	28.29
	8"	219.1	7.04	36.82
10"	273.1	7.80	51.05	

## 2.5 Thickness

The minimum wall thickness at any point shall not vary more than 12.5 % under the nominal wall thickness.

## 2.6 Certificates



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These commodities are produced in conformity with the requirements of the Israel Standard No. 4314 Edition November 2022


**Models:**

- SCH10 1/4", 1/2", 2", 2 1/2", 3", 4", 6", 8"


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**Models:**


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### **3 Advantages & Benefits**

- 3.1 Approved by SII.
- 3.2 Insured by Product Liability Insurance of PICC, which covering the bodily injury and property damage, with the total indemnity 2,000,000USD.
- 3.3 A thicker, complete, uniform and super adhesive coating ensures much higher anti-rust performance than manual painting at construction site, even in highly corrosive environment in coastal cities.
- 3.4 In-factory piping prefabrication, including surface coating, pipe cutting, grooving and threading, can significantly save 40% labor costs at construction site, completely avoid painting pollution, and shorten the whole construction period.