

PRODUCT DATA SHEET

CASING INSULATOR

Description

In many countries, pipelines crossing or running parallel to highways and railways are protected by casing. Casing Insulators are used to separate the carrier pipeline from the casing. SNI INDIA Casing Insulator isolates water and gas carrier pipeline from the casing.

Features & Benefits

- High electrical insulating value and low water absorption, thus preventing leakage and maintaining electrical isolation between carrier and casing pipes.
- Ribbed inner surface prevents slippages and guards against coating damages.
- High compressive strength to support the carrier pipe weight.
- Does not soften or cold flow at design temperatures.
- Resist mechanical damage while being pulled into the casing.
- Resistant to mechanical and thermal shocks and stresses, particularly that occur during installation and inserting operations.
- Tightly fastened to carrier pipe and guarantee easy insertion into the casing pipe, preventing damage to the carrier pipe coating.
- Molded from virgin polyethylene material. Pipe sizes range from 4" to 48".
- Screwdriver is the only tool needed for installation.



Product Properties

PROPERTY	TYPICAL VALUE	UNIT
Dielectric Strength	400 - 500 Volts / mill	ASTM D - 149
Compressive Strength	3200 psi	ASTM D - 695
Tensile Strength	3100 - 5000 psi	ASTM D - 638,651
Impact Strength	4.0 ft. lb/inch of notch	ASTM D - 256
Water Absorption	0.01%	ASTM D - 570

Ordering information

Carrier pipe diameter
Casing pipe diameter
Length of Pipe

Note

The typical values in this data sheet are based on lab prepared samples. For project specific requirements please consult with SNI INDIA

SHRI NARAYAN IMPAC INDIA LLP

Sales & Marketing

524, Commodity Exchange Building,
Sector 19A, Vashi - 400705,
Navi Mumbai Maharashtra, India

Works

Plot No. 558-559, GIDC-2 Halol,
Maswad Industrial Estste, Halol - 389350
Dist-Panchmahal, Gujrat, India.

Registered Office

605, 6th Floor, Block M-13,
Mahalgaon, Gwalior, Madhya Pradesh,
India - 474 011

PRODUCT DATA SHEET

CASING INSULATOR (BOLTLESS INTERLOCKING TYPE)

Description

The insulators are accessories for water, oil and gas pipelines, to be used wherever there is a crossing under railways, highways and/or rivers. Insulators FF is the best solution for every specific necessity / pipe diameter and is available in three variants.

1. Mod. FAST which is a strip with skids, to be cut to required size on site and fixed by plastic straps
2. Mod. MINI and MIDI comprises of insulator and longitudinal grip wedge
3. Mod. MAGNUM comprises of insulator and trapezoidal grip wedge C

Features & Benefits

- Ensure electrical insulation of the carrier pipe from the casing pipe (due to absence of metallic parts)
- Allow easy insertion of the carrier pipe into casing without damaging the coating
- Allow placement of hoses and/or cables along the piping
- Withstand mechanical and thermal shocks that happen during inserting operations
- FF insulators are easy to install, using a simple hammer No special tools or self-amalgamating tapes are required, saving time and money



CALCULATION OR RINGS NUMBER

It is recommended to use double insulator at each crossing end in order to avoid problems during inserting operations and load distribution. The exact quantity of insulators (N2) for each crossing {L} is: $N2 = \frac{L}{l} + 3$
Where (l) is the distance between two insulators (spacing, usually 2 m)

VARIANT CHARACTERISTICS

TYPE	Skid Height (mm)	Load Capacity (kg)	TYPE	Skid Height (mm)	Load Capacity (kg)
MF Fast	15-25	100	MF Midi	25-41-60	1200
MF Mini A	25-41	500	MF Magnum	25-41-60-75-90	3000
MF Mini B	25-41	500	MF Magnum B	25-41-60-75-90	3000

Ordering information

Carrier pipe diameter
Casing pipe diameter
Skid Height
Length of Pipe

Note

The typical values in this data sheet are based on lab prepared samples. For project specific requirements please consult with SNI INDIA

SHRI NARAYAN IMPAC INDIA LLP

Sales & Marketing

524, Commodity Exchange Building,
Sector 19A, Vashi - 400705,
Navi Mumbai Maharashtra, India

Works

Plot No. 558-559, GIDC-2 Halol,
Maswad Industrial Estste, Halol - 389350
Dist-Panchmahal, Gujrat, India.

Registered Office

605, 6th Floor, Block M-13,
Mahalgaon, Gwalior, Madhya Pradesh,
India - 474 011