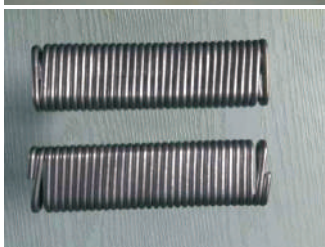
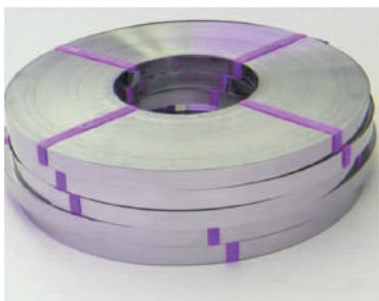


KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES



Insulation Metal Jacketing & Fittings Specialist



KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



Mutha Group of Industries was established in the year 2001 and have become one of the leading supplier of all types of Insulation Ancillary Material since then . We also manufacture some of specialized Insulation metal fasteners using latest manufacturing procedures. Our products such as SS Double Lock Latches, SS Band, Wing Seal, Insulation Inspection Plugs etc have been widely used by most of the oil and gas industries.

Today's market in India & world over have demanding products and we at **MGI** manufacture and trade with better performance, more reliability and higher quality by responding to this challenge with addition of new equipment and skilled technicians in our production departments. Big or small, we process any orders quickly and effectively, with usual lead times of a week.

We supply products as per National & International Standard like ASTM, BS, IS , DIN, ANME, ANSI, MSS, etc keeping the best Quality Management process, efficient and skilled workforce and responsive after sales service. Our leadership has been achieved primarily through total commitment to 'Customer Service'. You can have complete confidence in dealing with **MGI** that you will be obtaining the best material, delivery, value & service.

Mutha Group of Industries products have application in various sectors such as :

Power, Nuclear Energy, Fertilizers, Petrochemical &, Refineries, Sugar, Automobiles, Dairy, Oil, Paper, Architectural, Textile machinery, Pharmaceutical & Chemical, etc.

We supply all kinds of Stainless Steel & Insulation ancillary material products such as

- ✦ Stainless Steel Toggle Latches, Toggling Clips.
- ✦ Stainless Steel Wing seals, Closed Type Seals.
- ✦ Stainless Steel Strap Bands.
- ✦ Stainless Steel Sheets and Coils
- ✦ Stainless Steel Wire.
- ✦ Stainless Steel Fasteners.
- ✦ Stainless Steel Expansion Spring
- ✦ Stainless Steel Mity Springs, Compression Springs
- ✦ Insulation Inspection Plugs.
- ✦ Mineral Wool pre-formed rigid pipe section.
- ✦ Mineral Wool blankets with GI or SS Wiremesh .
- ✦ Aluminum sheets & Coils with or without PSMB.

Quality Policy:

At **Mutha Group of Industries** we adhere to and contribute to the efficiency of our quality management system. We are committed to provide uncompromising quality of products and service to every client of ours. Every product developed and supplied is inspected for compliance to clients exact specifications and to product performance & safety parameters. Our quality mechanism actively contributes towards achieving the corporate objectives of quality people, quality material, quality methods and quality final products.

Quality Principles

- ✦ Striving to be the best in the industry
- ✦ Caring about customers, suppliers & partners
- ✦ Working to honour commitments
- ✦ Acting with integrity and honesty

KUNDAR TECHNOPLAST PRIVATE LIMITED

MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



SS Toggle Latches

Stainless Steel Latches are manufactured from high quality stainless steel, with rounded edges to ensure safe handling. Toggle clips / Latches bear much more clamping strength than general clips. Material of toggle clips (latches) Type304, Type316, Type316L. Sizes available are 1, 2 & 4".

Stainless steel toggle clip Latches are easy to install and remove, widely used in various incineration plant equipment, nuclear power insulation works, groove box, petrochemical insulation pipe valve boxes, jungle construction machinery, marine equipment, valve boxes, outdoor waterproof riot lighting, electrical boxes, furniture, equipment, toolbox Fixed connection.



Stainless Steel 304 Latches	
WIDTH (mm)	Available As Per Project Requirement
THICK (mm)	Available As Per Project Requirement
Component	Wt. %
C	Max 0.08
Cr	18 -20
Mn	Max 2
N	0.16 - 0.3
Ni	8 -10.5
P	Max 0.045
S	Max 0.03
Si	Max 1

KUNDAR TECHNOPLAST PRIVATE LIMITED

MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



SS Wing Seal

Stainless steel wing seals are manufactured from high quality type304, type316 stainless steel, to match the banding or strapping.

We manufacture wing seals for stainless steel banding in sizes from 12mm - 25mm in all desired thickness in SS Type 304, 316 or as per requirement.

Features:

No stress midpoint

Heavy gauge stainless steel

Quality Tested



Stainless Steel 304 Seals	
WIDTH (mm)	AVAILABLE AS PER PROJECT REQUIREMENT
THICK (mm)	AVAILABLE AS PER PROJECT REQUIREMENT
Component	Wt. %
C	Max 0.08
Cr	18 -20
Mn	Max 2
N	0.16 - 0.3
Ni	8 -10.5
P	Max 0.045
S	Max 0.03
Si	Max 1

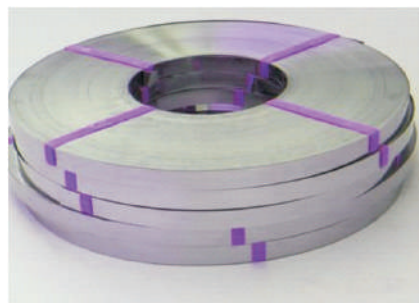
KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



SS Strap Band

“MGI” Band is slit from SS Type 304 and Type 316L (ASTM A-240). The edges are conditioned for safe handling.
Leading Exporter of STAINLESS STEEL STRIPS
such as SS Strips 304, SS Strip, Coils,
Stainless Steel Strips 316 & 316L.



	Stainless Steel 304 Bands
WIDTH (mm)	AVAILABLE AS PER PROJECT REQUIREMENT
THICK (mm)	AVAILABLE AS PER PROJECT REQUIREMENT
Component	Wt. %
C	Max 0.08
Cr	18 -20
Mn	Max 2
N	0.16 - 0.3
Ni	8 -10.5
P	Max 0.045
S	Max 0.03
Si	Max 1

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



Stainless Steel Tie Wire

“MGI” Tie wire is drawn to Precision diameter, and then soft annealed for quick field insulation tie ups. Stainless Steel Tie Wire comes in different Alloy i.e. T304, T316, T316L. Model in size of 0.5 to 2mm.



Stainless Steel 304	
DIA	AVAILABLE AS PER PROJECT REQUIREMENT
Component	Wt. %
C	Max 0.08
Cr	18 -20
Mn	Max 2
N	0.16 - 0.3
Ni	8 -10.5
P	Max 0.045
S	Max 0.03
Si	Max 1

KUNDAR TECHNOPLAST PRIVATE LIMITED

MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



SS 304 Self Tapping Screws

SS Self Tapping Screws are available in SS Type 304 and 316 (ISO 1481 Type C). These screws provide tight fastening for all types of sheet metal jacketing and duct work.



Component	Wt. %
C	Max 0.08
Cr	18 -20
Mn	Max 2
N	0.16 - 0.3
Ni	8 -10.5
P	Max 0.045
S	Max 0.03
Si	Max 1

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



Insulation Inspection Plug



- MGI Seals are easy to remove type Inspection plugs for use in insulation Piping & Equipments.
- These Inspection Plugs consists of an elastomer sleeve and a metal cap, with or without handle, lanyard and locking ring.
- No special tools, O-rings, transition gaskets, contoured flanges or “goof” required.
- Easy to remove & re use.
- Available in 1.5", 2.0", 2.5", 3.0" 3.5" and 5" (38, 50, 64, 76 and 127mm) sizes with or without handle, lanyard and locking ring.



CHEMICAL COMPOSITION

ASTMA -240

Carbon	: 0.041%
Manganese	: 1.09%
Silicon	: 0.51%
Sulphur	: 0.007%
Phosphorus	: 0.001%
Chromium	: 18.92%
Nickel	: 8.31%

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



Insulation Insert

Insulation Insert is special for piping inspection during operations. This Product is easy to remove during inspection. After inspection the insulation Insert can be put back in place and the Vessel Inspection Plug can be refitted.

Material Data

PTFE Glass fiber fabric cloth is used as the outer fabric for this kind of removable valve insulation cover. Which posses the properties of temperature resistance, anti-corrosion, high strength and is coated with PTFE. It is a newly made product with high properties and multiple applications.

Specifications

Material: PTFE Glass fiber fabric filled with Mineral wool / Glass Wool

Coating Thickness: 0.6-0.7mm

Color: Silver-Grey

Special Finish: Silicone finish

Resistance: Resistant to caustics, oil and chemicals

Sizes: 1.5" Inch to 5" Inch Depth: 25mm to 150 mm

Temperature Hot Insulation UP To 1100 Degree Celsius

Cold Insulation -40 to + 40 Degree Celsius

Cryogenic Insulation -168 to -40 Degree Celsius



Advantages:-

Reduce risk of losing insulation material around Vessel Inspection Plug

Maintain insulation value

Facilitate and speed up CUI and wall thickness measurements.

Easy access for the Routine Inspection, Visual Inspections & NDT.

Strap on the Insulation Plug Pillow ensures easy removal of Insulation Pillow.

Suitable for piping & Equipment Hot, Cold & Cryogenic Insulation

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



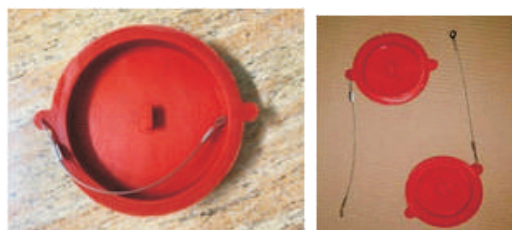
Inspection Plug with Lanyard SS 304

Inspection plugs is a cost-effective way to access insulated piping and vessels when performing CUI Inspections

The plugs are made from Silicone and EPDM rubber.

The locking ridges are designed to keep the sealing flanges secure and keep moisture out.

They provide a watertight seal without screws, O-rings or caulk significantly reducing installation time.



Product Specifications & Advantages

Silicone / EPDM Rubber

Temperature Range: -90°C to +260°C

Tensile Strength: 870 PSI

Elongation: 250%

UV and Ozone Resistance: excellent

Easy Non destructive Testing Inspection for Insulated pipes and equipment.

Easy re-sealable access.

User-friendly, Substantial reduction inspection costs & time

Suitable for the Temperature up to 204oC

Sizes available (Dia): 2.5 Inch, 3 Inch, & 5 Inch.

Component	Color / Grade	Make
Plug	Red	Silicone Based Rubber
O-ring	Black	NBR / Perbunan / Nitrile Rubber
Lanyard	SS 304	Stainless steel Type 304 with Nickel coated copper Hooks & ferule.

Detailed Technical Specification of Silicone Rubber Plug

Sr.No	Property	Test Method	Unit	Value
1	Hardness	ASTM D 2240-97	SHORE--A	55+5
2	Tensile Strength	ASTM D 412 - 98A	PSI	859 Min
3	Elongation at Break	ASTM D 412 - 98A	%	260 Min
4	Compression set	ASTM D 395 -- 98	%	45 Max
5	Hardness change	ASTM D 2240-97	SHORE--A	+5
6	Tensile Strength change	ASTM D 412 - 98A	%	--10 Max
7	Elongation at break change	ASTM D 412 - 98A	%	--10 Max

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



SS Expansion Springs



DESCRIPTION – EXPANSION / CHIL SPRING

MGI CHIL-SPRINGS are 4" Type 304 stainless steel flat expansion springs used to secure insulation over small diameter insulated piping, tanks, vessels, and equipment subject to expansion and contraction. They can be used with any common width of strapping up to 3/4"

APPLICATION

MGI CHIL-SPRING expansion springs are simply attached to strapping with stainless steel wing seals. The strapping is slipped through the seal and then through the spaced opening at either end of the CHIL-SPRING. The strapping is then bent back and the wings of the seal are flattened. Strapping is then extended completely around the insulated object, or to the next spring, and the same routine is repeated until the entire circumference has been encircled. Maximum expansion of the 4" spring should not exceed 2-1/2" beyond its original length; it is recommended that each spring be stretched 1/2" upon installation. This allows an additional 2" expansion capability per spring. The number and size of CHIL-SPRING expansion springs to be used should have an expansion capability of at least twice that of the expected expansion of the object.

Chemical Composition for SS 304 Expansion Springs

	C	Mn	Si	P	S	Cr	Ni	Mo	N
Max	0.07	2.00	1.00	0.045	0.015	19.50	10.50	x	0.11
Min						17.00	8.00		

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

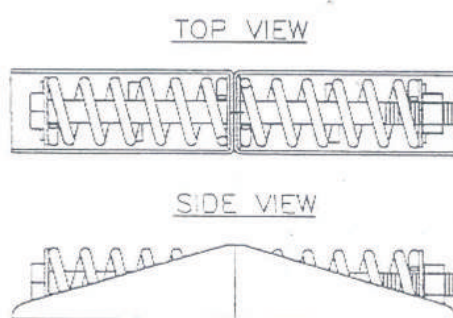
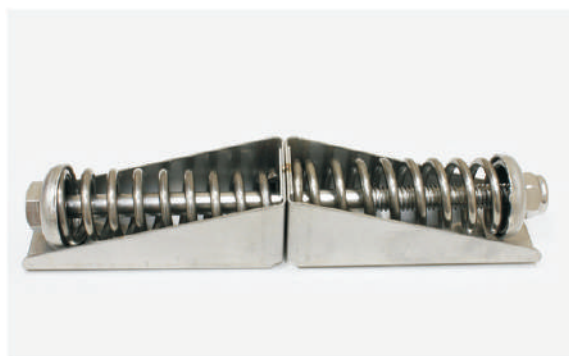
Leading through Innovations and Technology



SS Compression Springs

DESCRIPTION – COMPRESSION / CHIL SPRINGS

MGI Compression Springs are assembled from components of Stainless steel Type 304. Compression springs are used with strapping to secure insulation over large diameter insulated piping, tanks, vessels, and equipment



APPLICATION

Stainless Steel strapping 3/4" X .020" is slipped through and back over the slots on one end of the flat bottom of the spring. The strapping is secured with a 3/4" closed seal and is extended around the object, or to the next spring and the routine is repeated until the entire circumference has been encircled.

To accommodate expected expansion of the object, the number of compression springs to be installed is based on a maximum compression of 1-1/2" per spring. Install one compression spring for every 25' of strapping. When tensioning the strapping, compress each unit a total of 1/2" extreme care should be taken to assure that spring compression and strapping Stresses are evenly distributed around the object.

Chemical Composition for SS 304 Compression Springs

	C	Mn	Si	P	S	Cr	Ni	Mo	N
Max	0.07	2.00	1.00	0.045	0.015	19.50	10.50	x	0.11
Min						17.00	8.00		

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

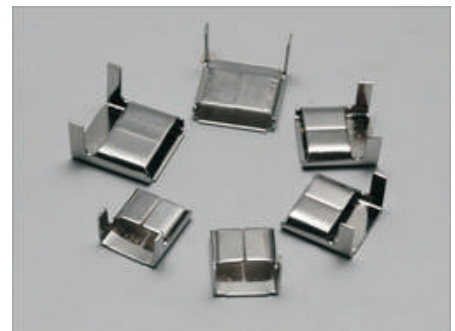
Leading through Innovations and Technology



OUR PRODUCTS



SS Toggle Clip Size 1"



SS Wing-Seal 12mm - 25mm



SS Toggle Latches 2"



Aluminium Wing-Seal 12mm - 25mm



SS Double Lock Latches 4"



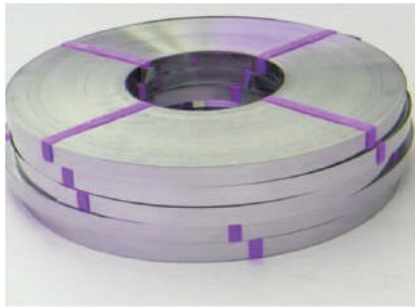
SS Screws & Washers

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



OUR PRODUCTS



SS STRAP BAND



SS TIE WIRE



SS COMPRESSION SPRING



SS EXPANSION SPRINGS



INSULATION INSPECTION PLUGS
SIZE : 1.5" TO 5.0"



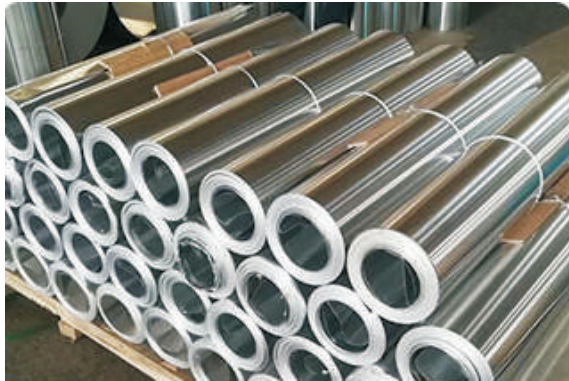
ALUMINUM JACKETING COIL

KUNDAR TECHNOPLAST PRIVATE LIMITED MUTHA GROUP OF INDUSTRIES

Leading through Innovations and Technology



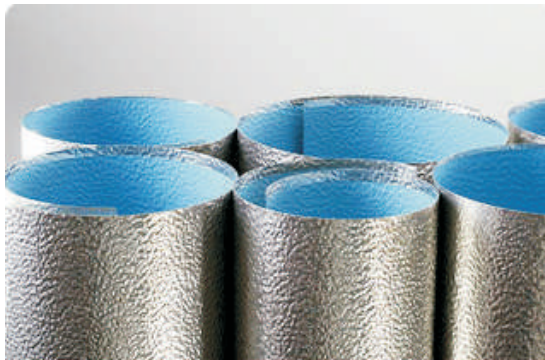
OUR PRODUCTS



Plain Aluminium Jacketing Roll



Aluminium Coil with Polysurlyn Moisture Barrier



Aluminium Stucco Embossed



Aluminium Coil with polykraft



Inspection Plugs



Aluminium/Stainless Steel Inspection Plug with Insulation Insert Pillow