

MILL ROSE STAINLESS STEEL THREAD SEALING TAPE

Mill-Rose Stainless Steel Thread Sealing Tape. A nickel impregnated, PTFE thread sealing tape designed for stainless steel fittings. A clean and efficient alternative to anti-seize compounds.

Mill-Rose Stainless Steel Thread Sealing Tape is a new and unique thread sealing tape which prevents stainless steel fittings galling or seizing during assembly and disassembly. The tape is impregnated with nickel powder which acts like bearing plates, keeping the surface of the male and female threads apart. Further protection is provided with the thicker and denser than average composition of Mill-Rose Stainless Steel Thread Sealing Tape. This added thickness and density also ensure an effective seal. thread sealing tape and compounds.

APPLICATIONS

Mill-Rose Stainless Steel Thread Sealing Tape is recommended for stainless steel pipe and fittings but it is compatible with the following piping materials:

- Galvanized steel
- Iron
- Brass
- Copper
- Aluminum
- Fiberglass
- Polyethylene
- Polypropylene
- PVC
- CPVC
- ABS



CHARACTERISTICS

- Compatible with a wide range of gases and liquids
- Compatible with a wide range of piping materials
- Will not harden or crack on the joint
- No curing time
- Effective across a broad range of temperatures
- Non-toxic
- Non-flammable
- Clean
- Unlimited shelf life

STOCKED SIZES

CODE	SIZE	SIZE	GRADE
BMSS12	1/2"	12.7	PFTE
BMSS20	3/4"	19.05	PFTE



THE METAL COMPANY



TALK 0508 304 316
VIEW themetalcompany.co.nz
TYPE sales@themetalcompany.co.nz

INSTRUCTIONS

Fittings up to 1½" (38.1mm) diameter

1. Use ½" (12.7mm) wide tape
2. Clean the male and female threads thoroughly
3. Wrap the tape around the male thread. Take care to keep the tape under tension as you are wrapping so the tape molds itself into the root of the thread.
4. Make sure that you wrap with the thread.
5. Make sure the tape does not overlap the end of the fitting.
6. Three wraps seals most threads.

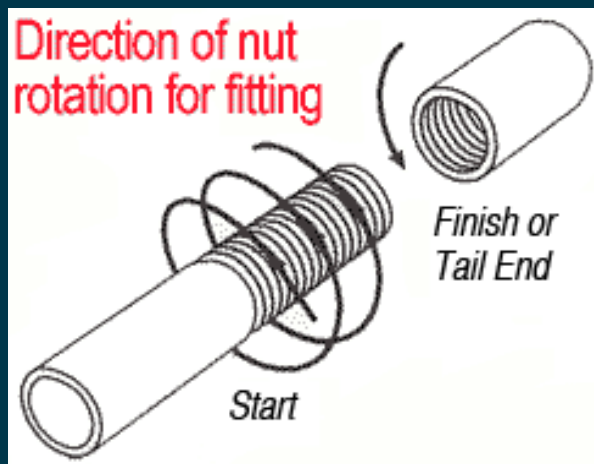
Fittings above 1½" (38.1mm) diameter

1. Use ¾" (19.05mm) wide tape for fittings up to 2" (50.8mm) in diameter.

Use 1" (25.4mm) wide tape for fittings larger than 2" (50.8mm) in diameter.

2. Follow the directions above.

Note: For poor quality or damaged threads, or threads that are hard to seal like parallel threads, or threads on fittings subject to vibration, more than three wraps may be necessary.



This thread seal tape can be used on pipes and fittings carrying the following:

- Acids, dilute*
- Acids, concentrated*
- Air, compressed
- Alcohol
- Ammonia
- Aliphatic solvents
- Aromatic solvents
- Caustics, dilute
- Caustics, concentrated*
- Chlorinated solvents
- Cutting oils
- Diesel fuel oils
- Ethylene glycol
- Fatty acids
- Glycerin
- Gasohol
- Heating oil
- Hydraulic fluids
- Hydraulic oils
- Hydrogen, gaseous and liquid
- Inert gases, gaseous and liquid
- Jet fuel
- Kerosene
- Ketones
- Liquid petroleum gas
- Mineral oils
- Natural gas
- Nitrogen, gaseous and liquid
- Petroleum solvents
- Soap, liquid
- Steam
- Vegetable oils
- Water

*See Precautions

SPECIFICATIONS

Composition: 90% PTFE < 10% Nickel

Color: Silver

Length: 260" (6.6m)

Thickness: 0.0045" (0.1mm) +/- 10%

Density: 1.6g/cm³ +/- 10%

Elongation: 50%

Tensile strength: 10-12N / mm²

TEMPERATURE RANGE:

-268°C to +260°C PTFE is completely stable up to +260°C.

Decomposition will occur on contact with naked flames.

Upon decomposition, the remaining nickel powder will assist disassembly. Nickel flake will melt at 1,455° C.

PRECAUTIONS

Keep Mill-Rose Blue Monster Thread Sealing Tape clean. Replace the clip on the spool after use. Store in a clean place. PTFE is virtually chemically resistant to all media, however there are a few exceptions. Alkali metals such as elemental sodium, potassium and lithium are to be avoided. These alkali metals remove fluorine from the polymer molecule. Extremely potent oxidizers such as fluorine (F2) and related compounds (e.g., chlorine trifluoride (ClF3)) can be handled by PTFE, but only with great care. Since fluorine is absorbed into the resin, the mixture becomes sensitive to a source of ignition such as impact. Other media to avoid are 80% NaOH or KOH, metal hydrides such as boranes (e.g., B2H6), aluminum chloride, certain amines (R-NH2), imines (R-NH) and 70% nitric acid at temperatures near the suggested service level. Mill-Rose Stainless Steel Thread Sealing Tape also contains nickel. Some acids might react with this metal on the surface of the tape.

Do not use Mill-Rose Blue Monster Thread Sealing Tape on oxygen lines!

Mill-Rose recommends Green Oxygen Tape for oxygen lines. For further safety details consult the Material Safety Data Sheet.

Note: Mill-Rose Blue Monster Tape is compatible with most gases, but for gas lines, Mill-Rose 3-Wrap Yellow Gas Seal Tape is recommended

LIMITED LIABILITY

The information presented is in good faith, but no warranty is given nor are the results guaranteed. Since we have no control over the physical conditions surrounding the application of information herein contained, Mill-Rose disclaims any liability for untoward results.



Supplying to all of **New Zealand**

TALK 0508 304 316

VIEW themetalcompany.co.nz

TYPE sales@themetalcompany.co.nz