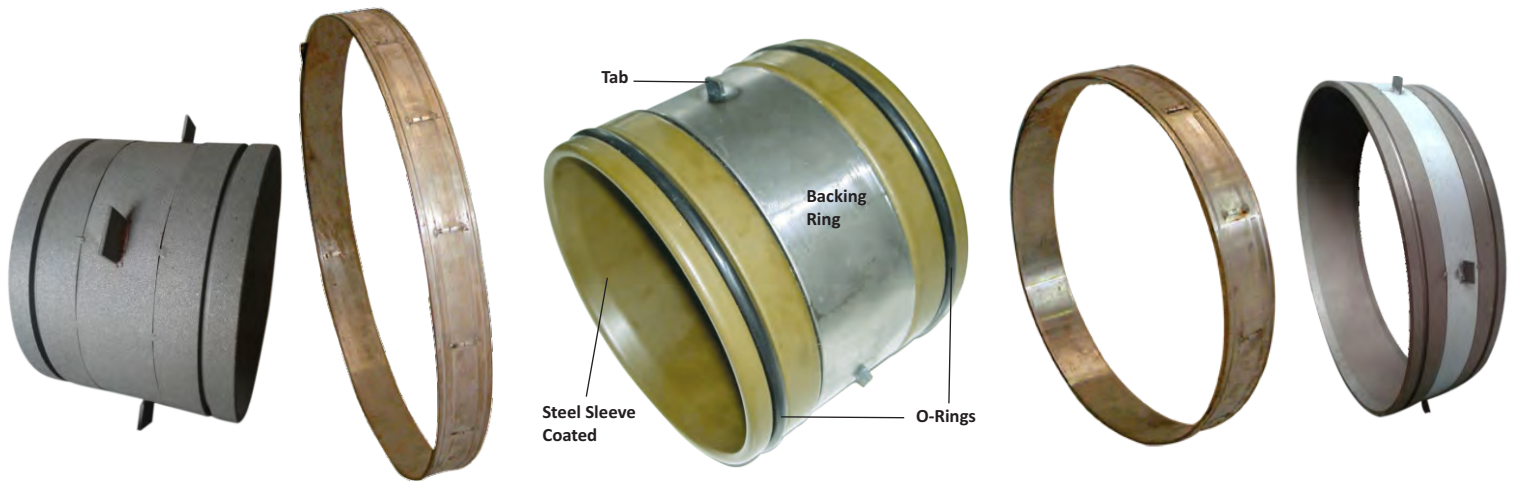


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Sizes : 219 mm O.D.

1219 mm O.D.

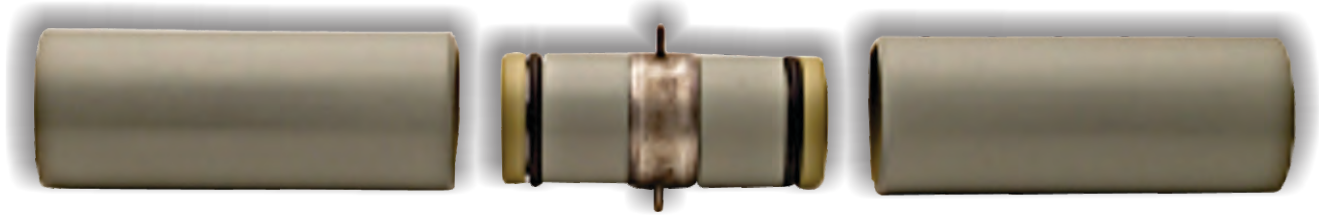
254 mm O.D.

914 mm O.D.

610 mm O.D.

Exporting to
USA | Australia | Europe | UAE
Saudi Arabia | Kuwait | Iraq | Yemen

Exporters of



Through Coat - Pipe Sleeve

Reli Sleeve

Corp Off. : C-16, Anand Bhuvan, 163/165, V. P. Road, Mumbai - 400 004. Maharashtra, India.

Unit No. 1

Plot No. 1112 / 1113, Road No. 12, Shree Opera House,
 Kalamboli Steel Market, Dist. Raigad, Maharashtra.

Unit No. 2

Plot No. 555, Road No. 4, KWC, Kalamboli,
 Dist. Raigad, Maharashtra, Pin Code - 410 218.

Unit No. 3

Plot No. 726, Road No. 6, Opp. Disma Dharam Kata,
 Kalamboli, Dist. Raigad, Maharashtra.

Unit No. 4

E-10/3, MIDC, Near Technova Company, Taloja,
 Navi Mumbai - 410 208.

Mr. Rahul Mehta : +91 9833938715 | Mr. Abhilash Nair : +91 9324233293 Tel.: +91-22-43431313 / 23894513 / 14 / 15 | Fax : +91-22-23894511

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Before Coating

General

The Through Coat - Reli Sleeve system utilizes a patented insert designed to protect the international coating during welding. It offers an economical and flexible method of field construction while expensive custom fabrication :

Advantage

- 1) Applicable to onshore/offshore pipelines as well as plant/municipal piping systems worldwide.
- 2) Accommodates all pipe sizes and grades
- 3) Compatible with liquid or powder coating.
- 4) Field-applied, heat-cured mastic forms a smooth surface at sleeve edge which provides a continuous barrier.
- 5) Full penetration, 100% x-rayable welds to API 1104 and ASME 31. Chap.9.
- 6) Utilized with pipe field cuts to achieve exact length requirements.
- 7) Fast assembly, easy fabrication.

Size Range

6" NB to 60" O.D. Pipe
Thickness : 8 mm to 25 mm

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After Coating

Features

- 1) Sleeves are internally coated 100% Holiday-free, add. externally coated if required.
- 2) A two layer heat shield consisting of a high heat resistant ceramic wrap and a wide steel backing ring prevents coating damage on I.D. of the insert sleeve during welding.
- 3) O-rings wipe field-applied mastic to sleeve ends.
- 4) Sleeve tabs establish the recommended distance between pipe ends and blend into the weld bead. Tabs ensure longitudinal stability of installed sleeve.

Design

The Through Coat-Reli Sleeve consists basically of a cylindrical case made of carbon steel fitted with grooves and upsets for installation of o-rings, heat wrap and backing ring. The plain internal surface as well as the nose up to the o-ring groove is coated with high performance coating material. Around the external center section rectangular tabs (spacer) are welded to the backing ring. When the sleeve is positioned in the pipe these spacers are placed against the pipe end. The tabs define the proper longitudinal position of the sleeve and will be welded into the rootpass while welding the pipe together.

Finally the tabs ensure a fixed position of the sleeve in the pipe string. Even serious longitudinal force cannot move the sleeve from position. The number of tabs varies with the diameter of sleeves,

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Actual Photographs

for example a 4" sleeve is fitted with three, a 30" sleeve is fitted with ten tabs. To prevent an excessive heat transfer during pipe welding a two layer heat shield is installed which protects the internal coating from burnout.

The first layer is formed by a wide metal made backing ring which prevents an easy heat transfer to the sleeve body as well as to the external coated sleeve area. It protects also the second area from being touched and damaged by an electrode during welding. The second layer forms tape of high insulating heat wrap which is able to withstand temperatures upto 1000 °C. This heat protecting system proves itself as perfect for field installation and provides high quality results not depending on welders grade of ability and qualification.

Two or four o-rings are placed on sleeve ends to perform as an additional barrier and as support elements during sleeve installation. These o-rings are made of high performance material. This shows high UV-resistance too which keeps the material quality during storage and handling especially in desert climate.

Excellent resistance to sea water. Can resist up to 120 deg cel temperature. Excellent cathodic disbondment resistance. Cure under immersed conditions. Can be applied externally & internally. Suitable for buried application. Gloss level - Glossy Finish.

Color Coating

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