

DRILCO



Mobile Hardbanding

Select tubular product maintenance
when and where it's needed



DRILCO has established an international reputation for premium hardbanding that provides OD wear protection on drill collars, drillpipe, heavy wall drillpipe, and other tools used in drilling applications. Now, our industry-leading hardbanding service is available in an advanced mobile hardbanding unit, which can be set up and operated at a permanent facility or rig location.

Mobile hardbanding systems eliminate the freight costs associated with transporting tubular products from remote jobs or permanent facilities to a maintenance center. Beyond convenience, DRILCO's portable hardbanding systems are capable of keeping drillstring components in top condition.

Application process ensures adhesion of wear-resistant material

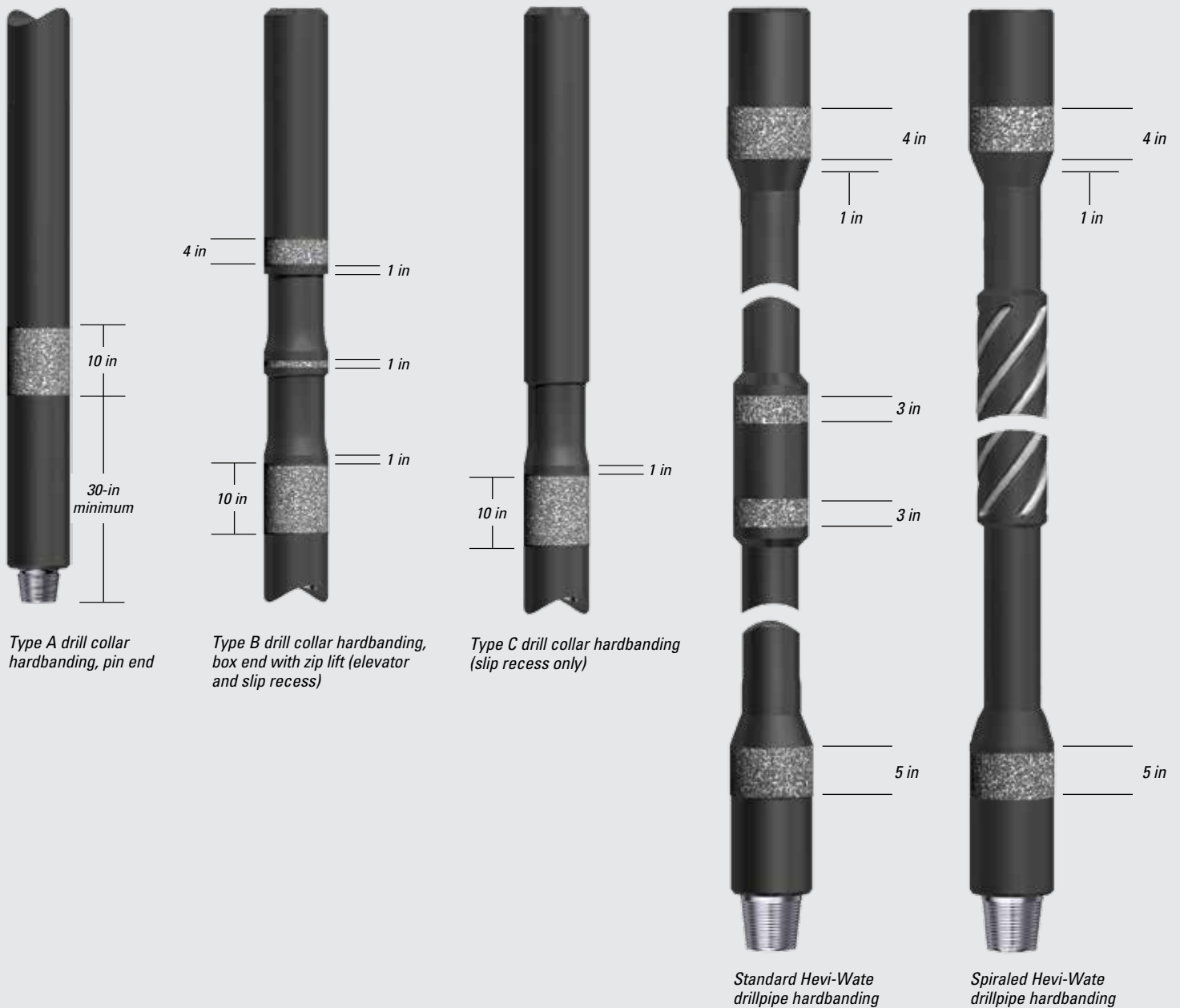
DRILCO's mobile hardbanding system applies wear-resistant material using an automatic, metal-arc, inert gas shielded, consumable electrode process, which closely controls pre-heat and post-heat conditions.

Application-specific hardbanding material

DRILCO offers hardbanding solutions for open and cased hole drilling. Conventional hardbanding material, used to increase the durability of openhole tubulars, consists of granular tungsten carbide particles, which are automatically fed into a molten puddle. This enables the even distribution of protective particles during the application process, which maximizes tubular wear resistance.

For cased hole drilling, there is a selection of casing-friendly, non-tungsten carbide hardbanding from industry-approved suppliers available through DRILCO.

Hardbanding application standards



Some types of hardbanding may require the removal of old material before the application of new hardbanding material. This procedure could require special processes and should be discussed with a DRILCO hardband representative prior to applying any new wear-resistant material.

- Hevi-Wate* transition drillpipe: Hardbanding placed on the tool joints and center wear pad will increase abrasion resistance and extend service life.
- Drill Collars: Drill collar hardbanding is the most effective way to retard the OD wear that occurs under normal openhole drilling conditions.
- Drillpipe: Tungsten carbide and non-tungsten carbide hardband materials are available upon request.
- Other applications are available, consult with your DRILCO representative for more information.



DRILCO personnel preheat tubulars prior to the hardbanding process to ensure the correct and consistent application of hardbanding material.

Mobile Hardbanding



Find out more about Mobile Hardbanding for select tubular product maintenance at www.DRILCO.com.

Advantages

- Standard tungsten carbide premium hardbanding materials and casing-friendly products offer a wide range of protection options
- Advanced portable equipment enables high-quality application of hardbanding materials
- Superior abrasion and wear protection extends drilling tubular life
- Fully automated hardbanding unit enables precise hardband applications
- Fully trained, qualified personnel ensure quality-controlled application
- Mobile application increases use of, and reduces freight costs for, tubular inventories
- DRILCO operation centers around the world provide 24-hour mobile hardbanding service

DRILCO Inspection Services

Qualified DRILCO personnel offer a full range of inspection services, which include third-party and customer-defined standards.

DRILCO Machine Shop Services

Whether it's a common tubular connection, or a proprietary one requiring licensing, DRILCO stands ready to recut and repair tubulars 24/7.

DRILCO Tubular Management Services

DRILCO tubular management services provide tubular inventory visibility, storage location management, and centralized maintenance to reduce repair time.

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