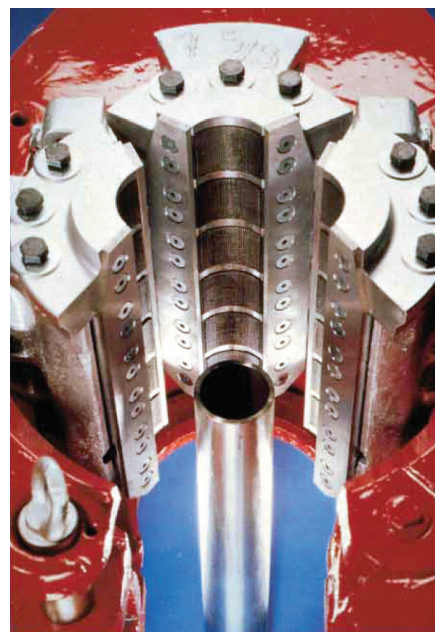




Micro-Grip® Slips Gripping System

The patented* Weatherford Micro-Grip slips gripping system is used in elevators and spiders to minimize die marks caused by gripping on corrosion-resistant alloy (CRA) tubulars. Conventional spiders and elevators are equipped with jaws and dies that penetrate the surface of the pipe when the slips are engaged. These penetration points can create sites for stress corrosion cracking and sulfide stress cracking, which compromise the integrity of the tubular string. In contrast, the Micro-Grip system distributes the rotational torque equally over many small gripping elements, leaving only a shallow indentation of each gripping element in the pipe surface. Extensive testing has proved that the Micro-Grip system preserves the tubular surface integrity in corrosive carbon dioxide (CO₂) and hydrogen sulfide (H₂S) environments.



Applications

- Handling 2 3/8- to 10 3/4-in. high-CRA tubulars
- Handling tubulars in corrosive CO₂ and H₂S environments
- Using with standard field-proven elevators and spiders

Features, Advantages, and Benefits

- System operation requires standard field handling procedures that provide safety and efficiency without special training.
- High load capacity increases efficiency.
- Minimal marking preserves long-term tubular integrity against CO₂ and H₂S corrosion damage and saves on costs for expensive repair and replacement.

Additional Information

sales-germany@weatherford.com

*U.S. Patent No. 6332377

