

VetcoGray MR-6H SE riser coupling

Marine drilling riser system enables fully-automated make-up with minimal personnel intervention

Our latest VetcoGray MR-6H SE riser coupling provides fully-automated make-up and is rated for 3.5 million lbs (API class H).

Its design is simple, with very few parts, and utilizes field-proven concepts and profiles that have provided many years of exemplary service. The highly pre-loaded coupling with efficient load path utilizes a cam ring to drive locking dogs during locking and unlocking of the coupling with the spider.

The modularized, hydraulically operated handling spider provides automated make-up and break-out of the coupling with minimal intervention of rig floor personnel. The spider design allows quick change-out of key subassemblies during riser running operations.

Key features

- Automated make-up with minimal personnel intervention
- Utilizes reliable, field proven concepts and profiles (H-4 connectors and MR risers)
- High pre-load/efficient load path
- Easy to replace parts subject to wear
- Easy maintenance, service and inspection with all critical areas readily accessible
- Handling spider modularized and redundant to allow quick change out of critical parts or subassemblies



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Specifications

Riser Coupling

| | |
|---------|---|
| O.D. | 50" |
| Rating | API class H, 3.5 million lbs tension |
| Lines | Prepped for up to 6 lines |
| Locking | A cam ring drives locking dogs to lock and preload the connection |
| Make-up | Automated by the MR-6H SE spider |

Spider

| | |
|-----------|--|
| Opening | 60.63" or 75.63" |
| Controls | <ul style="list-style-type: none">• 3,000 psi supply/maximum operating• 1,500 psi normal operating• 8 functions for spider operation |
| Flow | 15 GPM minimum supply |
| Functions | <ul style="list-style-type: none">• Hang-off during riser run/retrieve• Automate coupling make-up via control panel• Hang-off during TJ packer change-out• Split design |



Assembled (top) and exploded views of the MR-6H SE riser coupling

MR-6H SE spider with drilling riser coupling (front hand rail and two covers removed for clarity)



4424 West Sam Houston Parkway North, Houston, Texas 77041

ge.com/oilandgas



GE imagination at work