

MSI Rhino Tubular Handling Systems



Rhino Tubular Handling Systems

Our Rhino™ Tubular Handling Systems have provided a safe, efficient, cost-effective method of transporting tubular products, offshore and onshore for over 40 years. To this day, Rhino is still the preferred system for preventing damage to expensive chrome-alloy tubulars. Frames are available for a variety of pipe sizes, are load tested, certified and DNV approved.

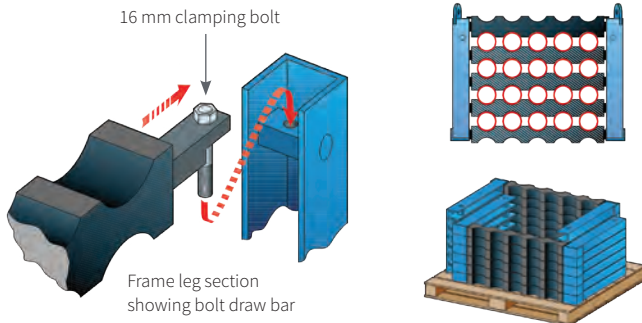


Features

- 12 tonne lift
- Scalloped molds to prevent metal to metal contact
- Field proven for 40 years of service in the North Sea
- Collapsible system for space saving offshore
- Frames can be returned in a half height

Rhino standard frame system

Designed beyond Offcon Code of Practice - Approved by Lloyd's Register of Shipping and DNV



Benefits of using Rhino Tubular Handling Systems

- DNVGL-ST-0378/BS EN 12079 type approval
- Stackable system
- Ability to inspect and drift pipe in frames
- Easy to pre-tally and number frames/pipe onshore for running order offshore
- Save rig time and money with pre-tally onshore
- Over-engineered strength built into frames for added safety
- Ability to break down frames after pipe run frees up valuable space on rig floor
- Broken down frames offload approximately 20+ sets of frames in one half height
- Safe and easy system for yard staff to load, saving time with minimum effort
- Full training back-up available for loading pipe into frames
- Frames are manufactured to individual sizes of pipe for complete protection in transport

Specifications

Tubular size	2¾ in.	2⅞ in.	3½ in.	4 in.	4½ in.	5 in.	5½ in.	6 in.	7 in.	7 in.	8 in.	9 in.
Bundle arrangement column x row	8 x 7	7 x 6	5 x 5	5 x 5	5 x 4	4 x 4	4 x 3	4 x 3	3 x 3	3 x 3	3 x 2	3 x 2
Number of pipes per bundle	56	42	25	25	20	16	12	12	9	9	6	6



Advantages during lifting, bundling, and transportation

Proven

Over 40 years of Rhino rugged performance.

- MSI Pipe Protection Technologies pioneered composite frames in 1978 and some original frames are still in service
- Tested by a major oil company and reported to be the best and the most cost effective (details available)
- Rhino is designed to DNVGL-ST-0378/BS EN 12079 Type Approval

Durable

Your initial cost is your last cost for many years.

- The steel/elastomer construction gives long life, even in the most severe conditions
- Built beyond all safety recommendations to ensure the frames withstand impact and any rugged handling

Efficient

The wide, elastometric bearing surfaces keep the tubes apart, immobile, and free from any damage.

- Free-draining and self drying Rhino eliminates standing water contact and inhibits pipe corrosion
- Stacking time lessened and stock control, inspection, and drifting made easy
- All pipes, particularly high-chrome, are maintained in pristine condition at the least possible cost

Safe

Each frame set is designed to lift and handle, in complete safety, far more than they will ever carry.

- Rhino's over-engineered strength not only keeps your stock and frames free from any damage, it also ensures complete safety during handling for the crew, the transport used, and the public at large

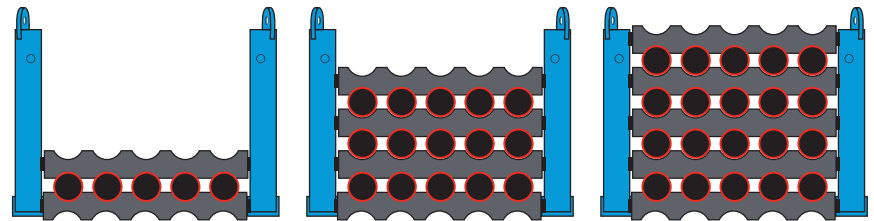


Easy to use for heavy-duty handling, transporting, or storing your tubular stock



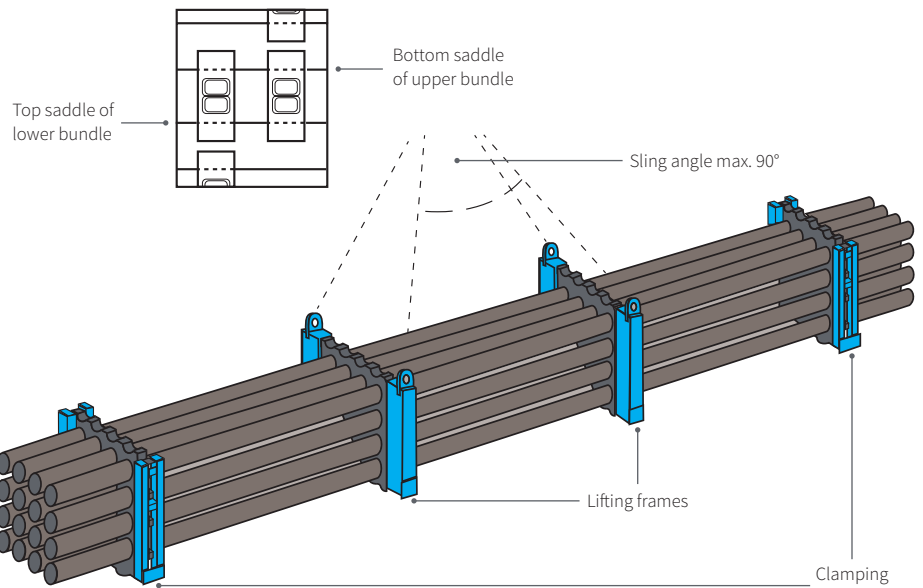
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- Simply stack in pre-designed rows. An easy to stack 1 to 10 row clamping system, depending on size.



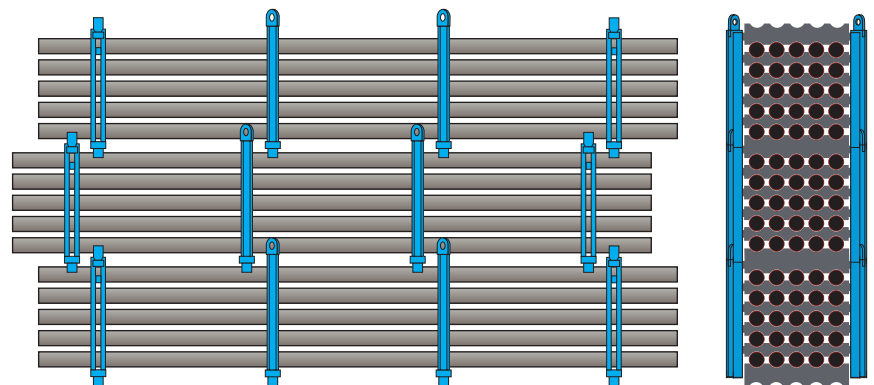
4 1/2 in. pipe illustrated

- Easy four point lifting system for 6 to 56 tubes, depending on size.



5 in. pipe illustrated

- Provides even packing density on trailers, trucks and in the ship's hold.



5 in. pipe illustrated

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