



RHINO TUBULAR HANDLING SYSTEM



Key Points

- Safe
- Protects Tubulars from contact
- Easy Setup/Break Down
- Brakes down to pallets when job complete
- Full traceability according to EN-12079 & DNV OS-E101
- Available for sizes 3-1/2" to 7-5/8" from Aberdeen/Tananger stock
other sizes will be manufactured upon project requirements.
- Ready for use when received in pipe yard (or offshore for backload).

Delivery

1 Set

- 2 Lifters
- 2 Clampers
- 8 Inserts (5.1/2" & 7")
- 12 Inserts (4.1/2")
- 4 Top Beams
- 1 4 Wire Leg Rope Sling

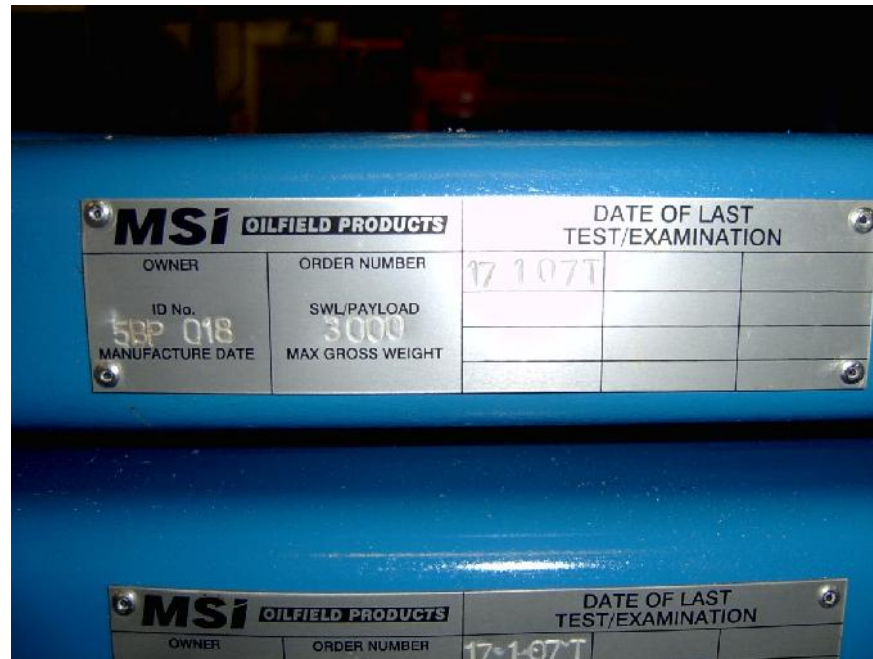


- THE RHINO SYSTEM DELIVERED PALLETISED AND READY FOR QUICK USE
- LIFTING FRAMES, CLAMPING FRAMES, INSERTS AND TOP BEAMS ON SEPARATE PALLETS FOR EASY ASSEMBLY IN PIPE YARD
- NO NEED FOR ANY PREP WORK JUST REMOVE SHRINKWRAP AND NYLON BANDING AND USE

Delivery



Delivery



- ALL DATA PLATES VISABLE FOR INSPECTION WITHOUT HANDLING FRAMES

WHY RHINO?

1. EASY TO USE

SIMPLY STACK IN PREDESIGNED ROWS.

2. PROVEN

OVER 25 YEARS OF RHINO RUGGED PERFORMANCE.

3. EFFICIENT

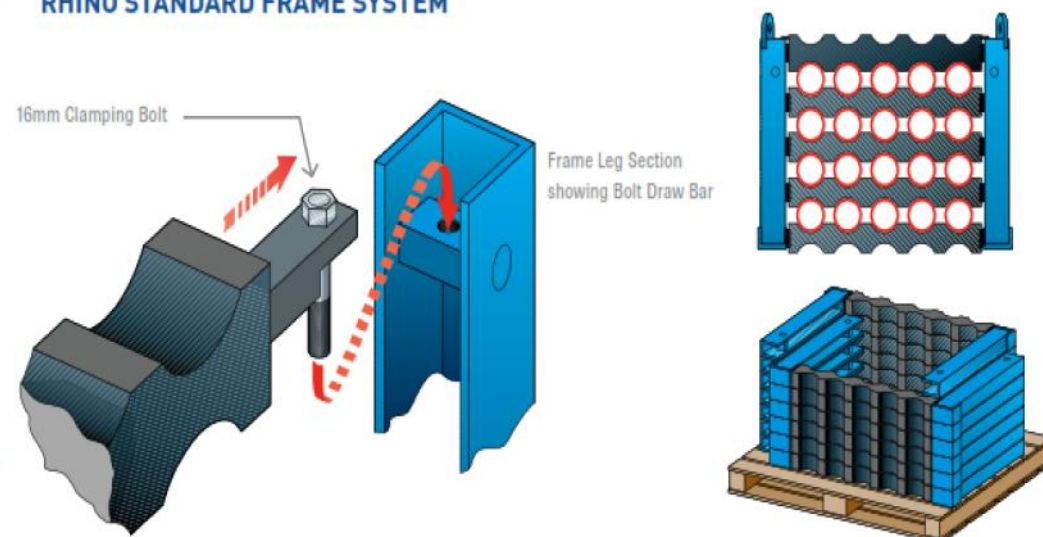
THE WIDE, ELASTOMETRIC BEARING SURFACES KEEP THE TUBES APART, IMMOBILE AND FREE FROM ANY DAMAGE.

4. DURABLE

5. SAFE

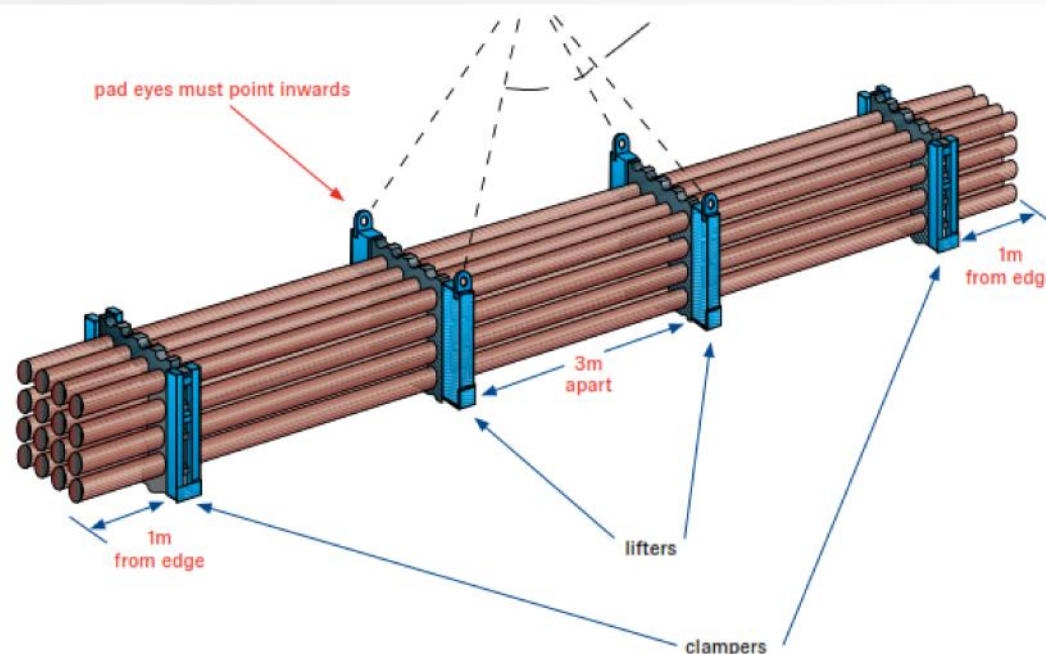
EACH FRAME SET IS DESIGNED TO LIFT AND HANDLE, IN COMPLETE SAFETY, FAR MORE THAN THEY WILL EVER CARRY.

RHINO STANDARD FRAME SYSTEM



Installation Procedure

- Set out lifting frames 3 metres apart with pad eyes angled towards the centre of lift.
- Set out two clamping frames at each end of the pipe, and spaced to ensure that the overhang of the longest pipe does not exceed 1 metre.
- Lay first row of pipes onto the bottom beams, ensuring that the pipes sit snugly in the scallops.
- Place pipe spacers on the top of the pipes, in each lifting, and clamping frame. Repeat laying in each row of pipes, and spacers.
- Set top beam in position in each frame (IMPORTANT) with a man at each side, locate the clamping block into the drawbar by hand, and then tighten each bolt alternately keeping tension even, up to a maximum torque of 45Nm, using torque wrench.
- Attach sling to lifting frames. When installing split pin make sure both legs of the split pin are bent back over the bolt.



- **ATTENTION:** If the frame takes any major impact during transit the frame must be inspected before lifting

Dismantling Procedure

NO REBUILDING OF FRAMES.

The empty frames must be placed on a pallet, or in a suitable container to be returned onshore.

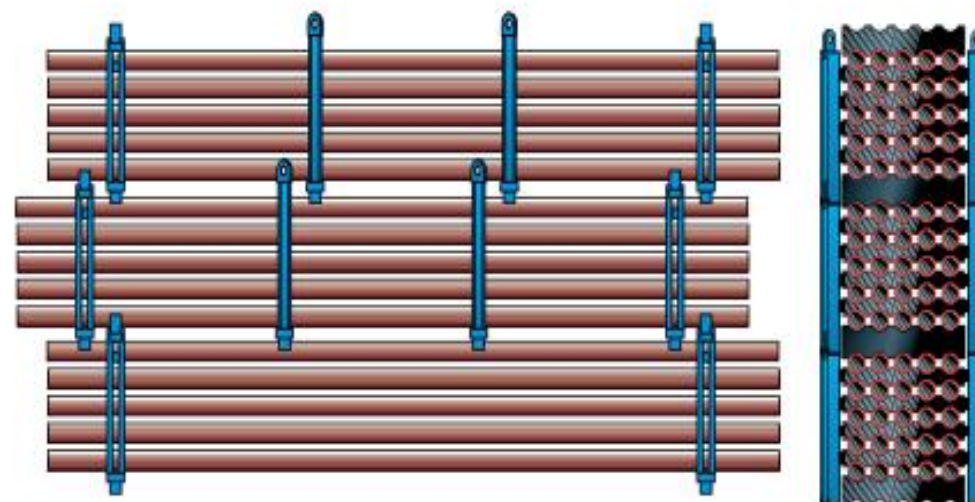
Dismantle sling from lifting frames, withdraw split pins from shackle bolts and remove bolts to release shackle. Coil sling legs, replace bolts in the shackles and secure with split pins.

Dismantle top clamping beams using socket wrench to unscrew the two 16mm bolts. It is important to make sure that both bolts are released at the same time, with a man at each side of the frame.

Lift off top beam; repeat on all four frames.

Place top beams on pallet.

With top beams removed, pipes are now clear to be lifted out of the frames.



Recommended Stacking Height: 3 High



Components

Example size 5 ½"

Top piece	- 12 kg	15x92x8cm
Insert piece	- 6 kg	11x84x7cm
Clamper	- 27 kg	93x12x69cm
Lifter	- 41 kg	100x11x77cm
12 tonn sling	- 54 kg	75x75x25cm
- 140 Kg total approx.		

TUBULAR SIZE	BUNDLE ARRANGEMENT COLUMN x ROW	Nº. OF PIPES PER BUNDLE
2 ¾"	8 x 7	56
2 7/8"	7 x 6	42
3 ½"	5 x 5	25
4"	5 x 5	25
4 ½"	5 x 4	20
5"	4 x 4	16
5 ½"	4 x 3	12
6 ¾"	4 x 3	12
7"	3 x 3	9
7 5/8"	3 x 3	9
8 ¾"	3 x 2	6
9 ¾"	3 x 2	6
13 ¾"	2 x 2	4
20"	3 x 1	3

- Minimal weight compared to other systems at 1100 Kg approx

THANK YOU

For further information please contact:

Stian Vaaland

General Manager

E: sva@rigsupply.as

P: (+47) 51644190

M: (+47) 95559500

Stian Knutsen

Senior Sales Engineer

E: stk@rigsupply.as

P: (+47) 51644190

M: (+47) 47241824





Your



Source



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