

RAM **SPREADERS**

RAM 4200

Universal Pipe Handling Spreader



Performance Through Innovation

Pipe Handling Spreader



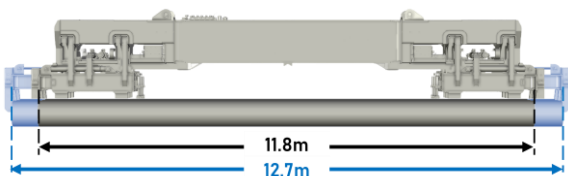
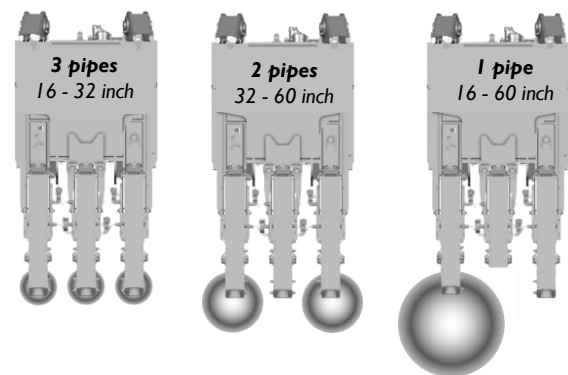
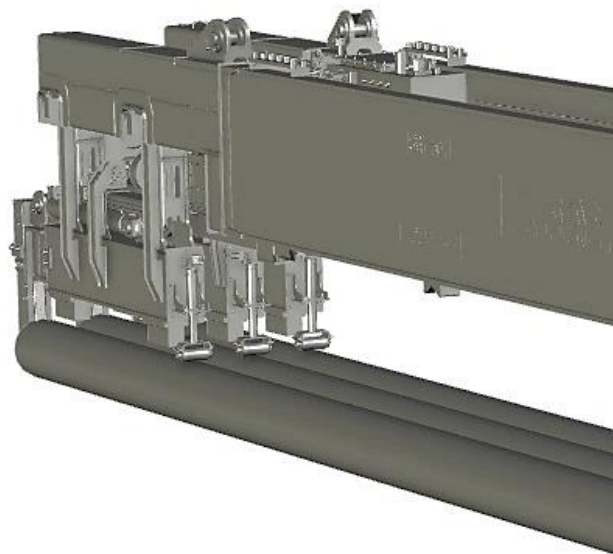
Developed for ship loading without manual intervention, the RAM 4200 telescopic pipe handling spreader is designed for use with ship cranes, mobile harbour cranes or other overhead cranes.

Pipes of various lengths and diameters can be handled by the pipe handling spreader, thanks to its three telescopic beams with end manipulators.

Mechanical sensing assemblies ensure the safe handling of pipes, with LED indicators signalling the crane operator once the pipes are securely clamped and ready for hoisting.

Purpose-built padding rings located on the end manipulators and additional padding on each of the spreaders pipe contact points, help prevent pipe damage during the handling process.

Manufactured to the highest standards in our own ISO 9001 certified facilities using modern welding processes and ISO 3834 – 2005 welding standards, the pipe handling spreader is fully tested before despatch.



Monitoring Control

Monitoring sensor status and fault-finding information are carried out via a diagnostic panel, providing maintenance personnel with troubleshooting information and operator assistance during pipe handling.

High Resolution
High contrast and brightness optimized for outdoor application

Displayed Data
Displayed machine live sensors and valves status
Show machine parameters and data

Troubleshooting
User friendly interface to help user troubleshoot machine much easy

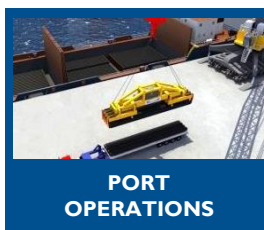
Communication Status
Displayed machine network communication status in Real Time

Counter Info
Displayed counter information to help user perform more accurate and effective services maintenance

Data Logging
Historical data logged into SD card to trace the performance and health of the machine effectively.



Mobile Device Access using Local Wifi



Power & Control

An onboard diesel engine provides power for the electro-hydraulically operated spreader, with all the functions controlled by wireless remote control.



Benefits

- Hands-free pipe loading
- Available for ship cranes, mobile harbour cranes and off-shore
- Handles a range of pipe lengths and diameters
- Wireless control for all functions
- Sensors safely lock pipes in place

Options

Height Indication System

For slowing approach of pipe spreader before landing onto pipes.

Camera System

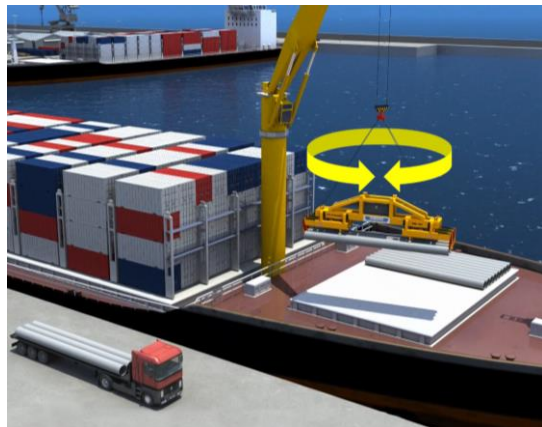
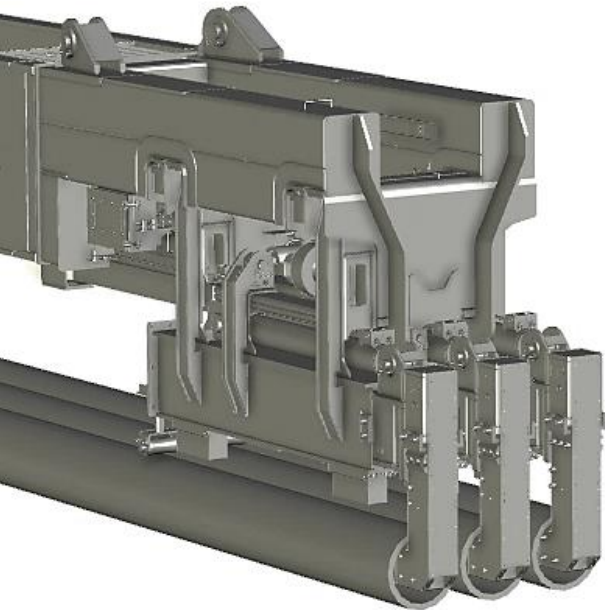
Real-time crane operator assistance during the pipe handling cycle.

LED Lighting

Enhancing working environment visibility.

Gyroscopic Control

Detects angle rate and velocity to help stabilize the pipe spreader during pipe handling



Technical Data

Pipe Lengths Handled:

11.8m to 12.7m

Pipe Diameters Handled:

1 x pipe = 16-60 inch

2 x pipes = 32-60 inch

3 x pipes = 16-32 inch

Controls:

Hand-held wireless remote control for all functions

SWL:

Overall - 50t (each pair of telescopic arms – 25t)

Tare Weight:

18t (subject to final design)

Design:

DNV-ST-0378 (Offshore & Platform Lifting Appliances)



RAM developed its product range responding to customers' operational needs and future expectations. We offer bespoke equipment based on our wide range of spreader models and options to deliver the most effective and practical container-handling solutions.

RAM Spreaders is the world's leading independent, dedicated specialist spreader manufacturer. The company has manufacturing facilities in China; service and repair centres in Singapore and UK; and sales and after-sales service support throughout Asia, Americas, Europe, Middle East and Africa.

PRODUCT RANGE

A comprehensive range of product for:

- Ship-to-Shore Cranes
- Yard Stacking Cranes
- Mobile Harbour Cranes

Product range includes:

- Electro-Hydraulic Spreaders (Single and Twinlift)
- All-Electric Spreaders (Single and Twinlift)
- Light Weight Spreaders
- Overheight Spreaders
- Tandem Headblock
- Revolver / Rotating Spreaders
- PinSmart (Automated Twistlock Handling Machine)
- Pipe Spreaders

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