



Tilting Spreader

for bulk handling with trap door containers

2780 Model



Performance Through Innovation



The RAM Tilting Spreader Model 2780 has been designed for use on Mobile Harbour Cranes and jib cranes to handle standard ISO 20ft hatch door containers for cost effective handling of bulk commodities. The spreader also has the capacity to act as a standard 20ft fixed spreader for handling conventional 20ft ISO containers.

Quality Design and Construction

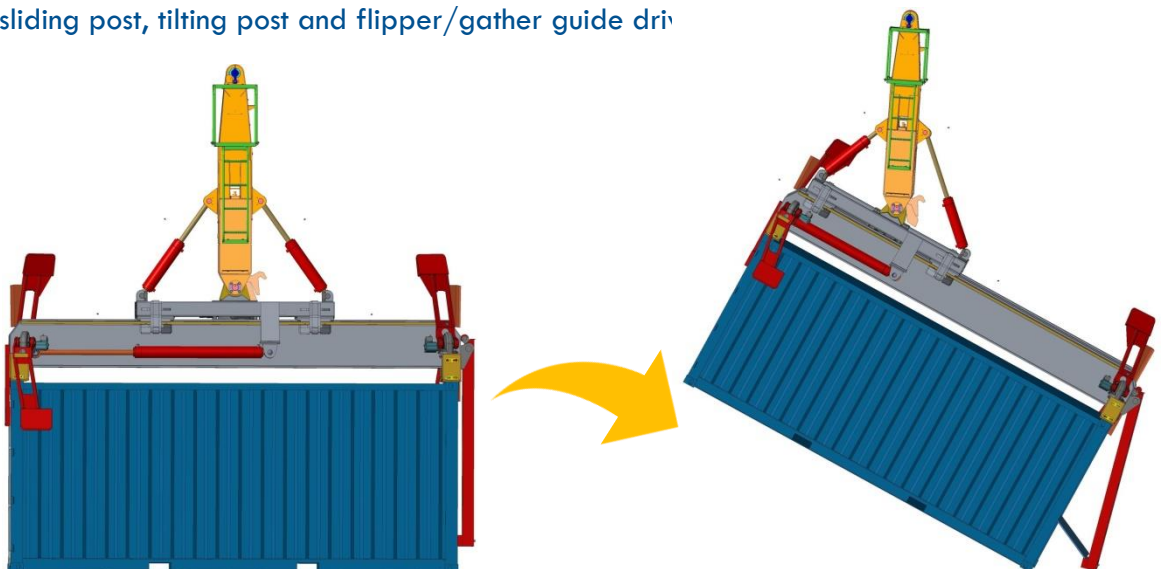
All RAM spreaders are designed to the latest EN13001 and other applicable international standards. The spreaders main structure consists of a double box centre section design, with a centre of gravity post divided into 3 major sections: Centrebody, tilting post and a sliding post to achieve an efficient decantation of commodity.

Flippers/Hatch door flipper

Four flippers guides are fitted at the 4 corners of the spreader to help guide the spreader onto the container. An additional hatch door flipper is fitted at one end of the spreader to support the special container trap door before releasing the hatch at the desired angle, gently decanting the commodity in the process.

Capacity

Capable of handling up to 35 tones safe working load, the spreader is fitted with high performance hydraulic power units, which are used to operate the ISO floating twistlocks sliding post, tilting post and flipper/gather guide drive.



TECHNICAL DATA:

Model:	RAM 2780
Spreader Type:	RAM Tilting Spreader
Container Size:	1 x 20ft ISO trap door container 1 x 20ft ISO traditional ISO container
Safe Working Load:	35 tonnes (with 10% eccentric load)
Tare Weight:	10.3 tonnes (9.4 without trap door flipper assembly)
C of G Adjustment:	0 - 1,100 mm
Operational Speeds: <small>Speeds stated are approximate</small>	Twistlock Rotation = 1.5 seconds Side Shift (centre to left 1100mm) = 25 seconds Tilting Post angle ($40^{\circ} \pm 2$) = 20 seconds Flipper arm (to 170°) = 5 seconds Trap door (up/down $19 \pm 2^{\circ}$) = 20 seconds

OPTIONAL FEATURES:**End Flipper**

Can be fitted to the opposite end to hatch door flipper designed to knock against the end of the container to aid the decantation of dense commodities.

ASi Communications

All spreader functions are controlled by ASi communications. The ASi system simplifies the installation of electrical components, provides efficient diagnostics and makes it easy to Feed data to the crane's control system. It can be fitted with a controller on the spreader, or can be extended back to the crane.

On-Board PLC

The RAM 2780 can be fitted with an on-board PLC for logic control and a simplified control system.



Our Mission

We continue to develop our product range, both in response to customers expectations and in anticipating future developments.

With such a wide range of spreader types and options, we can meet the needs of most terminal operator's but we're always happy to develop bespoke solutions to deliver the most effective and practical container handling solution.

We are proud that we are one of the world's leading independent, dedicated specialist spreader manufacturer, with manufacturing facilities in China; service and repair centres in Singapore, UK and Germany; and sales and after-sales service support throughout Asia, Americas, Europe, Middle East and Africa.

Our products

Hydraulic Spreaders | Single & Twin Lift

Electric Spreaders | Single & Twin Lift

Lightweight Spreaders | Single & Twin Lift | Yard | STS

Twin 40 Headblock | SingFlex™

Mobile Harbour Crane Spreaders | Single & Twin Lift

Overheight Spreaders

Containerised Bulk Handling | Revolver®

Fully Automatic Twistlock Handling Machine | PinSmart™

Pipe Handling Spreader

Tipping Spreader

Bulk Handling Grabs | PEINER

Product Range for:

Ship-to-Shore Cranes

Yard Cranes

Mobile Harbour Cranes

Bridge Cranes (Revolver®)

RAM SMAG Lifting Technologies

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