Vertical Mast



Overhead mounted vertical mast arm



ATA4000 - Round mast



ATA4000 - Square THK mast

P/N: ATA4000

The Knight Global **ATA4000** overhead mounted vertical mast arm features a **fixed control handle** on the mast, significantly improving ergonomics by eliminating the need for operators to **bend or reach**.

It is typically used in applications that require **long vertical (up/down) travel** and **precise positioning**. The arm can be configured for 360° rotation or as a fixed, non-rotating unit, depending on the operator's needs.

The ATA4000 offers two mast options: a **round mast** for loads carried directly on the axis, and a **square THK mast** for offset cantilevered loads that generate torque.

The ATA4000 can be combined with any Knight **air balancer or chain hoist**, and can be fitted with optional **bearing clutch brakes and friction parking brakes**. The arm has a maximum lifting capacity of **500 lbs. [226 kg]** and a maximum torque of **853 ft.lbs. [1,156 Nm]**. Maximum vertical travel varies by application.

Note: Travel and configuration can be customized to suit the application. Please contact FULLSHARP for detailed advice.

Features & benefits

Features

- Control handle in a fixed ergonomic position on the mast.
- Wide range of control configurations.
- Supported rail length: up to 15 ft. [4.6 m].
- Maximum arm length: up to 48 in. [1,219 mm].
- Maximum torque: up to 853 ft.lbs. [1,156 Nm] (for over 48 in., contact FULLSHARP).
- Maximum vertical travel: varies by application.
- Maximum lifting capacity: up to 500 lbs. [226 kg] at 100 psi [6.8 bar].
- Two mast options: round mast or square THK mast.

Benefits

- Compatible with any Knight balancer or chain hoist.
- Eliminates the need for operators to bend or reach.
- Reduces operator fatigue.
- Fixed or 360° rotation options.
- Ideal for applications with long vertical travel.
- Precise positioning at every point.
- Optional parking brake.
- Optional bearing brake.
- Square THK mast handles offset loads with high torque.

Specifications

Part number	ATA4000 (Overhead Mounted)
Mounting type	Overhead mounted
Rotation	Fixed or 360° rotation
Mast options	Round mast or square THK mast
Load type	Round mast - direct load / THK mast - offset load
Maximum lifting capacity	500 lbs. [226 kg] @ 100 psi [6.8 bar]
Maximum torque	853 ft.lbs. [1,156 Nm]

Part number	ATA4000 (Overhead Mounted)
Maximum arm length	48 in. [1,219 mm] (contact us for longer lengths)
Supported rail length	Up to 15 ft. [4.6 m]
Maximum vertical travel	Varies by application
Control handle	Fixed on the mast in an ergonomic position
Operating air pressure	100 psi [6.8 bar]
Integrated equipment	Knight balancer or chain hoist
Brake options	Parking brake / bearing brake

Compatible accessories

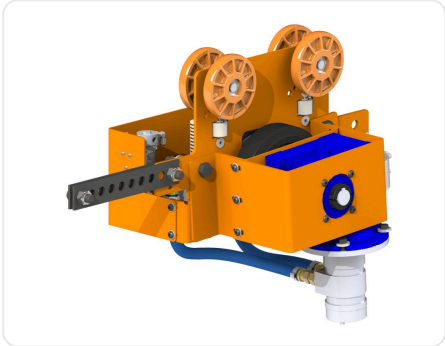
General accessories



Pneumatic parking brake Weight: 3.6 lbs [1.63 kg] ASA9510



Bearing clutch brake Max. torque: 411 Nm ASA9522



Lube-Free pneumatic tractor Max. load: 2,000 lbs [908 kg] TRA5500

Load trolleys



Yoke load trolley - RAD4110 Max. load: 1,100 lbs [499 kg] MRTA4009



Low profile load trolley - RAD6110 Max. load: 1,600 lbs [725 kg] MRTA6123



Yoke load trolley - RAD7510 Max. load: 3,000 lbs [1,360 kg] MRTA7723

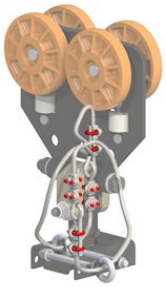


Flat I-beam / S-beam trolley Weight: 13.4 lbs [6.08 kg] ATA2603 / ATA2604

Safety cables



Standard safety cable kit 6 mm diameter, 1.8 m long RWA4133



Safety cable kit with eye bolt 6 mm diameter, 3 m long FDA4133



Oval sleeve safety cable kit 6 mm diameter, 3 m long NICORWA4133

Technical documents

General catalog

- Arms Brochure PDF

CAD drawings

- ATA4000 Overhead - CAD Drawings ZIP

FULL-SHARP AUTOMATIZED VN (FULLSHARP)

Authorized distributor of Knight Global pneumatic arms in Vietnam

For more details on the ATA4000, please contact a FULLSHARP representative.

Contact us for consultation and a quotation

Vietnam factory: Workshop A1-1, VSIP Hai Phong, Nam Trieu Ward, Hai Phong City · +84 817 888 198

Taiwan factory: Zhongli District, Taoyuan City · +886 3-451-8806

Email: sales@fullsharp.com.vn · **Website:** www.fullsharp.com

Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.