Heavy Duty



Heavy duty articulating pneumatic arm



AAA9000 - Overhead mounted



AAA9000 - Pedestal mounted

P/N: AAA9000

The **AAA9000** heavy duty articulating pneumatic arm (overhead and floor mounted) is a parallelogram arm designed to **lift, rotate, balance and move products** from conveyors, dunnage, assembly lines and many other applications.

The AAA9000 uses **rear twin cylinders** to achieve a higher lifting capacity while reducing the overall weight of the unit. This design minimizes operator fatigue by absorbing torque reaction, allowing products to be lifted and manipulated with almost no effort.

The overhead mounted AAA9000 travels inside **RAD6110 and RAD7510** aluminum rail systems along the "X", "Y" and "Z" axes, with a wide range of control configurations.

FULLSHARP supplies the AAA9000 in both **fixed and 360° rotating** versions. Maximum reach (without extension boom) is up to **60 in. [1,524 mm]** and maximum balancing capacity is up to **600 lbs. [272 kg]** at 100 psi [6.8 bar]. Capacity varies with reach.

Note: The carriage pan and extension boom shown in the illustrations are not included with the standard product.

Features & benefits

Features

- Travels inside Knight RAD6110 or RAD7510 rail systems.
- Lifts, rotates, balances and manipulates products with minimal force.
- Wide range of control configurations.
- Overhead carriage pan size: 24 in. [609 mm] or 36 in. [914 mm].
- Maximum arm length: up to 60 in. [1,524 mm].
- Maximum extension boom length: up to 48 in. [1,219 mm] (for over 48 in., contact FULLSHARP).
- Maximum vertical stroke: up to 60 in. [1,524 mm].
- Maximum lift/balance capacity: up to 600 lbs. [272 kg] at 100 psi [6.8 bar] (varies with reach).

Benefits

- Flexible overhead or floor mounting.
- Pedestal version eliminates the need for an overhead rail system.
- Reduces operator fatigue.
- Arm moves along all three "X", "Y" and "Z" axes.
- Effectively absorbs torque reaction.
- Fixed or 360° rotation options.
- Optional pivot brake.
- Optional parking brake.
- Optional clutch brake.

Specifications

Part number	AAA9000 (Overhead / Pedestal)
Mounting type	Overhead mounted or floor pedestal mounted
Rotation	Fixed or 360° rotation
Maximum balance capacity	600 lbs. [272 kg] @ 100 psi [6.8 bar] (varies with reach)
Maximum reach (without extension)	60 in. [1,524 mm]
Maximum extension boom length	48 in. [1,219 mm] (contact us for longer lengths)

Part number	AAA9000 (Overhead / Pedestal)
Maximum vertical stroke	60 in. [1,524 mm]
Carriage pan size	24 in. [609 mm] or 36 in. [914 mm]
Cylinder type	Rear twin cylinders
Operating air pressure	100 psi [6.8 bar]
Compatible rail systems	RAD6110 / RAD7510 (aluminum)
Travel axes	X, Y, Z

Compatible accessories

General accessories



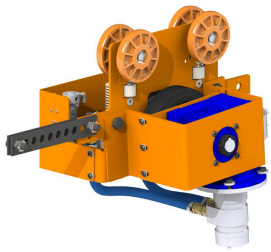
Arm travel stop assembly
Weight: 9.9 lbs [4.49 kg]
AOA9050



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



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

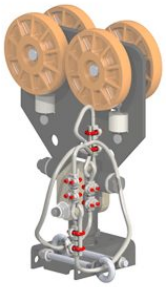


Flat I-beam / S-beam trolley Weight: 13.4 lbs [6.08 kg] ATA2603 / ATA2604

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

Spec sheets

- AAA9000 Overhead Arm - Spec Sheet PDF
- AAA9000 Pedestal Arm - Spec Sheet PDF

CAD drawings

- AAA9000 Overhead - CAD Drawings ZIP
- AAA9000 Pedestal - CAD Drawings ZIP

FULL-SHARP AUTOMATIZED VN (FULLSHARP)

Authorized distributor of Knight Global pneumatic arms in Vietnam

For more details on the AAA9000, please contact a FULLSHARP representative.

Contact us for consultation and a quotation

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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.