Medium Duty



Medium duty articulating pneumatic arm



AAA6000 - Overhead mount



AAA6000 - Pedestal mount

P/N: AAA6000

The **AAA6000** medium 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 AAA6000 uses a **twin-cylinder system** for higher lifting capacity, reducing operator fatigue by absorbing torque reaction and making it easy to lift and manipulate products.

The overhead AAA6000 travels inside **RAD4110, RAD6110 or RAD7510** aluminum rail along the "X", "Y" and "Z" axes, with a wide range of control configurations.

FULLSHARP supplies the AAA6000 in both **fixed and 360° rotating** versions. Maximum reach (without extension boom) is up to **48 in. [1,219 mm]**, with a maximum balancing capacity of up to **430 lbs. [195 kg]** at 100 psi [6.8 bar]. Capacity varies with reach.

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

Features & benefits

Features

- Travels inside Knight RAD4110, RAD6110 or RAD7510 rail.
- 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].
- Max. arm length: up to 48 in. [1,219 mm].
- Max. extension boom length: up to 48 in. [1,219 mm] (for over 48 in., contact FULLSHARP).
- Max. vertical stroke: up to 48 in. [1,219 mm].
- Max. lift/balance capacity: up to 430 lbs. [195 kg] at 100 psi [6.8 bar].

Benefits

- Flexible overhead or floor mounting.
- The floor-mounted version eliminates the need for an overhead rail system.
- Reduces operator fatigue.
- The arm moves along all three "X", "Y" and "Z" axes.
- Effectively absorbs torque reaction.
- Fixed or 360° rotating options.
- Optional Pivot Brake.
- Optional Parking Brake.
- Optional Clutch Brake.

Specifications

Part No.	AAA6000 (Overhead / Pedestal)
Mounting type	Overhead mount or floor Pedestal mount
Rotation configuration	Fixed or 360° rotating
Max. balancing load	430 lbs. [195 kg] @ 100 psi [6.8 bar] (varies with reach)
Max. reach (without boom)	48 in. [1,219 mm]
Max. extension boom length	48 in. [1,219 mm] (contact us for longer lengths)

Part No.	AAA6000 (Overhead / Pedestal)
Max. vertical stroke	48 in. [1,219 mm]
Carriage pan size	24 in. [609 mm] or 36 in. [914 mm]
Cylinder type	Twin Cylinders
Working air pressure	100 psi [6.8 bar]
Compatible rail system	RAD4110 / RAD6110 / RAD7510 (aluminum)
Travel axes	X, Y, Z

Compatible accessories

General accessories



Arm Travel Stop Assembly AOA7050



Pneumatic Parking Brake ASA9510



Bearing Clutch Brake ASA9522

Load trolley



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

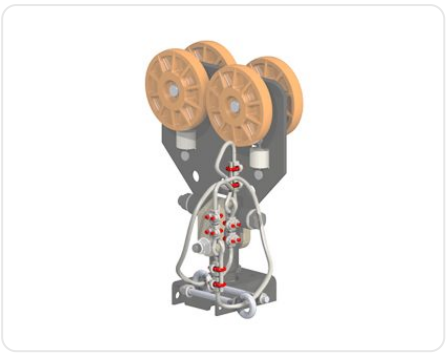


Yoke Load Trolley - RAD7510 Max. load: 3,000 lbs [1,360 kg] MRTA7723

Safety cable



Standard Safety Cable Kit 6 mm diameter, 1.8 m long RWA4133



Eye Bolt Safety Cable Kit 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

- AAA6000 Overhead Arm - Spec Sheet PDF
- AAA6000 Pedestal Arm - Spec Sheet PDF

FULL-SHARP AUTOMATIZED VN (FULLSHARP)

Authorized distributor of Knight Global pneumatic arms in Vietnam

For more details on the AAA6000, 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

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