



Pneumatic Manipulators with Double Rope System



PM Helpful manipulators provide safe and ergonomic load handling thanks to their Double Rope guidance system and are specifically designed for use with **jib arms** and **rail-mounted linear systems**. In rail applications, the preferred brand is **EEPOS**.

Maximum Safety – Two independent steel ropes with separate braking systems

Weightless Operation – Pneumatic balancing for nearly effortless handling

Use with Jib Arms and Linear Systems – Large working range and flexible integration

Drift Control – Special brakes ensure safe operation without after-swing

Gripper Options – Standard hook or customer-specific gripping tools

Operates with dry, filtered (40µm), oil-free compressed air at min. 0.7/0.8 MPa

Max. load capacity: **200 kg**, max. working radius: **6.000 mm**, vertical stroke: **1.600 mm**

Air consumption per cycle: **10–20 NI**

Mounting Options

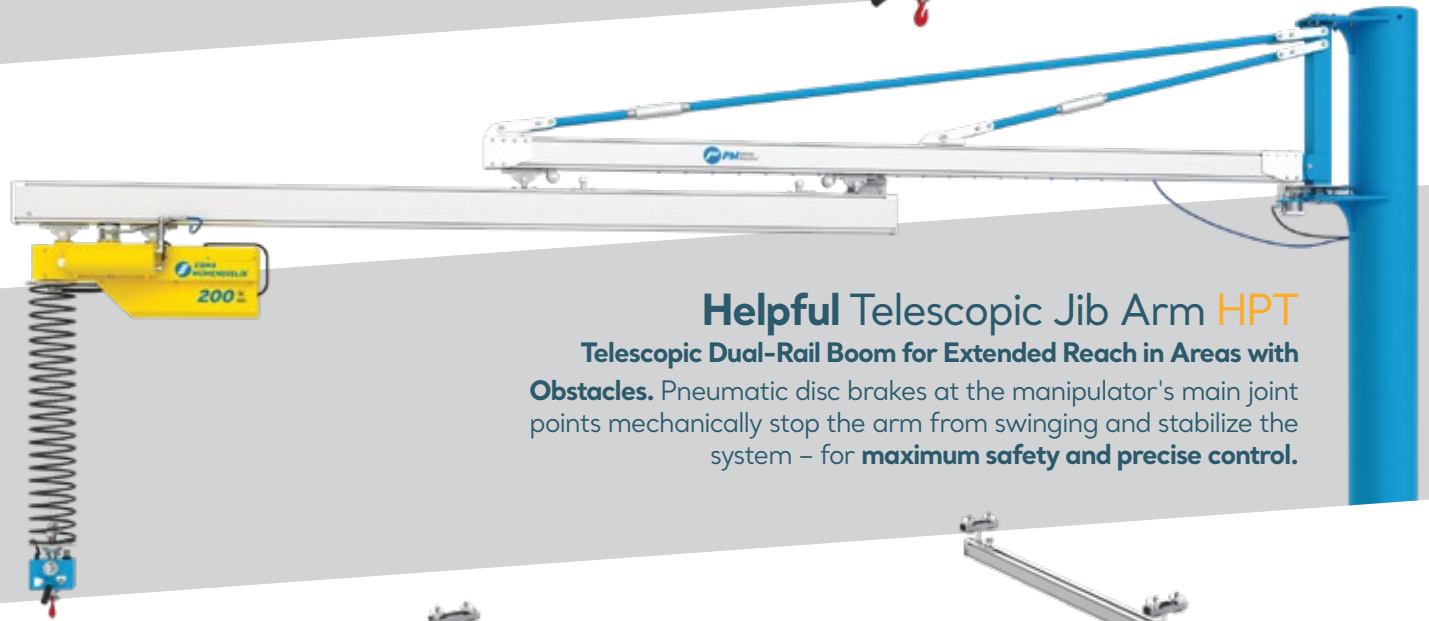
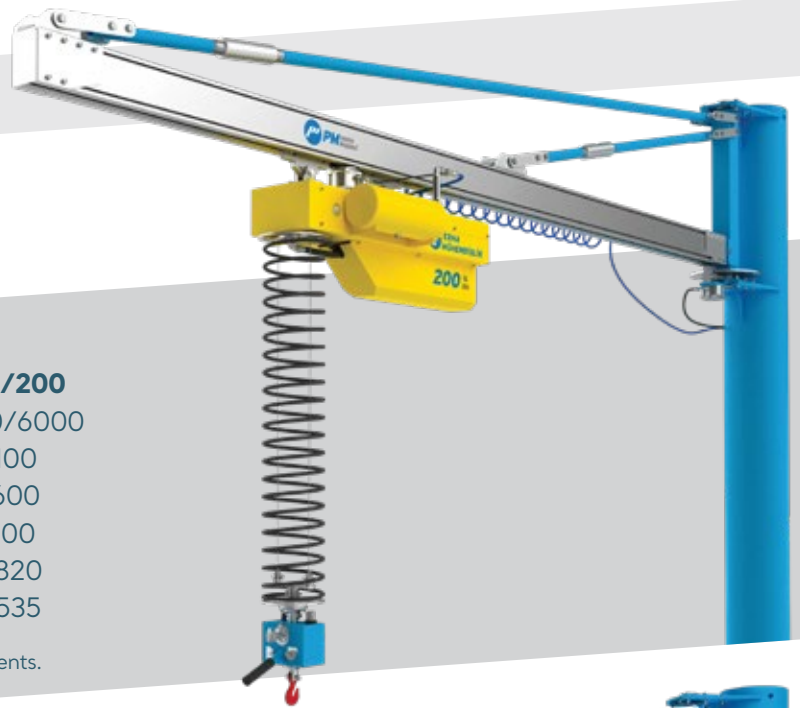
Helpful Jib Arm **HP**

Column or Wall-Mounted

Maximum Load Capacity [kg]

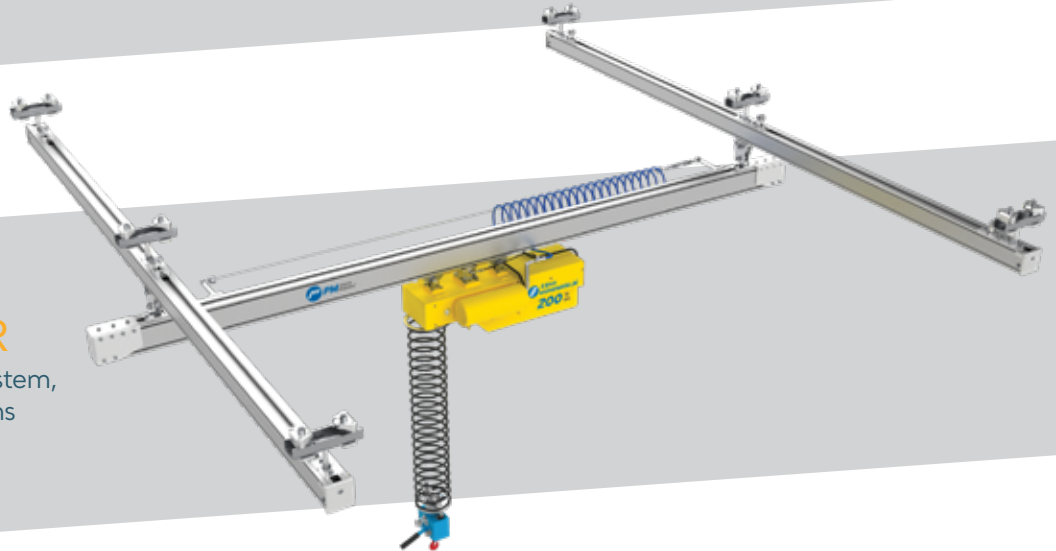
		100/200
Max. Working Radius [mm]	Rmax	4000/6000
Min. Working Radius [mm]	Rmin	1100
Vertical Stroke [mm]	H	1600
Min. Pick-up Height [mm]	*h	200
Max. Manipulator Height [mm]	*Hmax	3820
Lower Edge of Main Body [mm]	*Hmin	2535

* Dimensions may vary depending on customer-specific requirements.



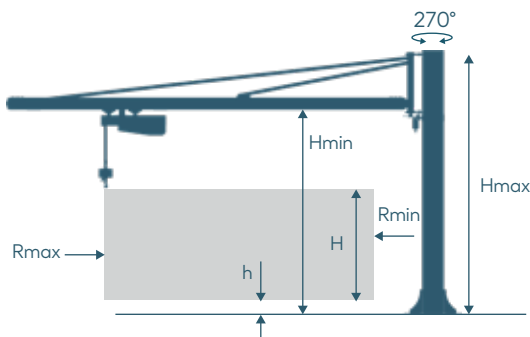
Helpful Telescopic Jib Arm **HPT**

Telescopic Dual-Rail Boom for Extended Reach in Areas with Obstacles. Pneumatic disc brakes at the manipulator's main joint points mechanically stop the arm from swinging and stabilize the system – for **maximum safety and precise control**.



Helpful Rail System **HR**

With the **EEPOS One** light crane system, we offer customized special solutions tailored to your requirements.



Base Plate Dimensions [mm]

