

BPM Transporter

Pneumatic Manipulators with Double Rope System



BPM Transporter Double Rope Manipulators are designed for **ergonomic, safe, and efficient material handling** in industrial environments. The load is guided to the balancing unit via **two independent steel ropes**, enabling a **weightless working experience**.

Maximum Safety – Two independent steel ropes with separate braking systems

Weightless Operation – Near-zero effort required from the operator

Precise Positioning – Articulated arm with Double Rope guidance for full range of motion

Drift Control – Special brakes ensure secure and stable load control

Flexible Mounting – Can be installed on floor, ceiling, or rail systems

Gripper Options – Standard hook or custom gripper solutions

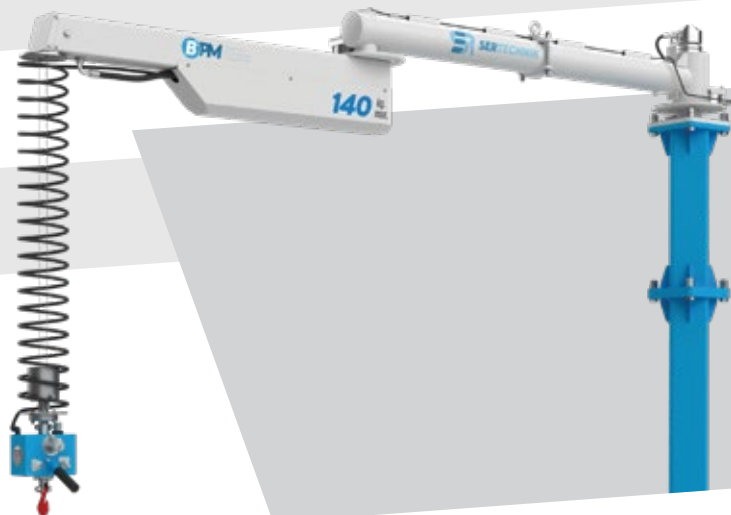
Operates with dry, filtered (40µm), oil-free compressed air at min. 0.7/0.8 MPa

Max. load capacity: **140 kg**, max. working radius: **4.500 mm**, vertical stroke: **1.800 mm**

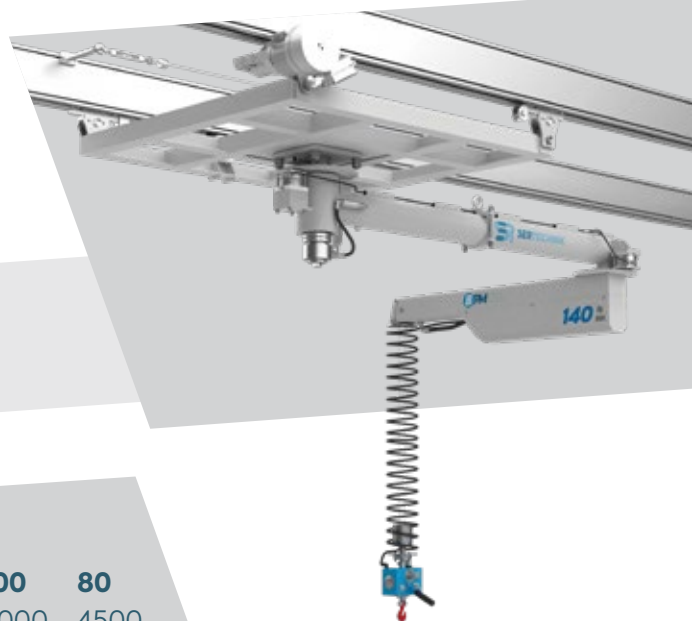
Air consumption per cycle: **20-100 NI**

Mounting Options

Transporter Column Mounted TY



Transporter Overhead Mounted TT

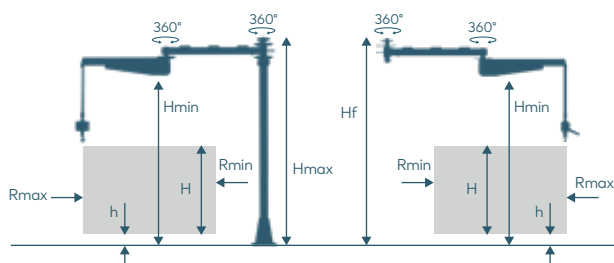


Transporter Overhead Rail-Mounted TTA

Maximum Load Capacity [kg]

		140	120	100	80
Max. Working Radius [mm]	Rmax	3000	3500	4000	4500
Min. Working Radius [mm]	Rmin	420	530	640	750
Vertical Stroke [mm]	H	1800	1800	1800	1800
Min. Pick-up Height [mm]	*h	200	200	200	200
Max. Manipulator Height [mm]	*Hmax	3150	3150	3150	3150
Max. Ceiling Mounting Height [mm]	*Hf	3150	3150	3150	3150
Lower Edge of Main Body [mm]	*Hmin	2500	2500	2500	2500

* Dimensions may vary depending on customer-specific requirements.



Base Plate Dimensions [mm]

