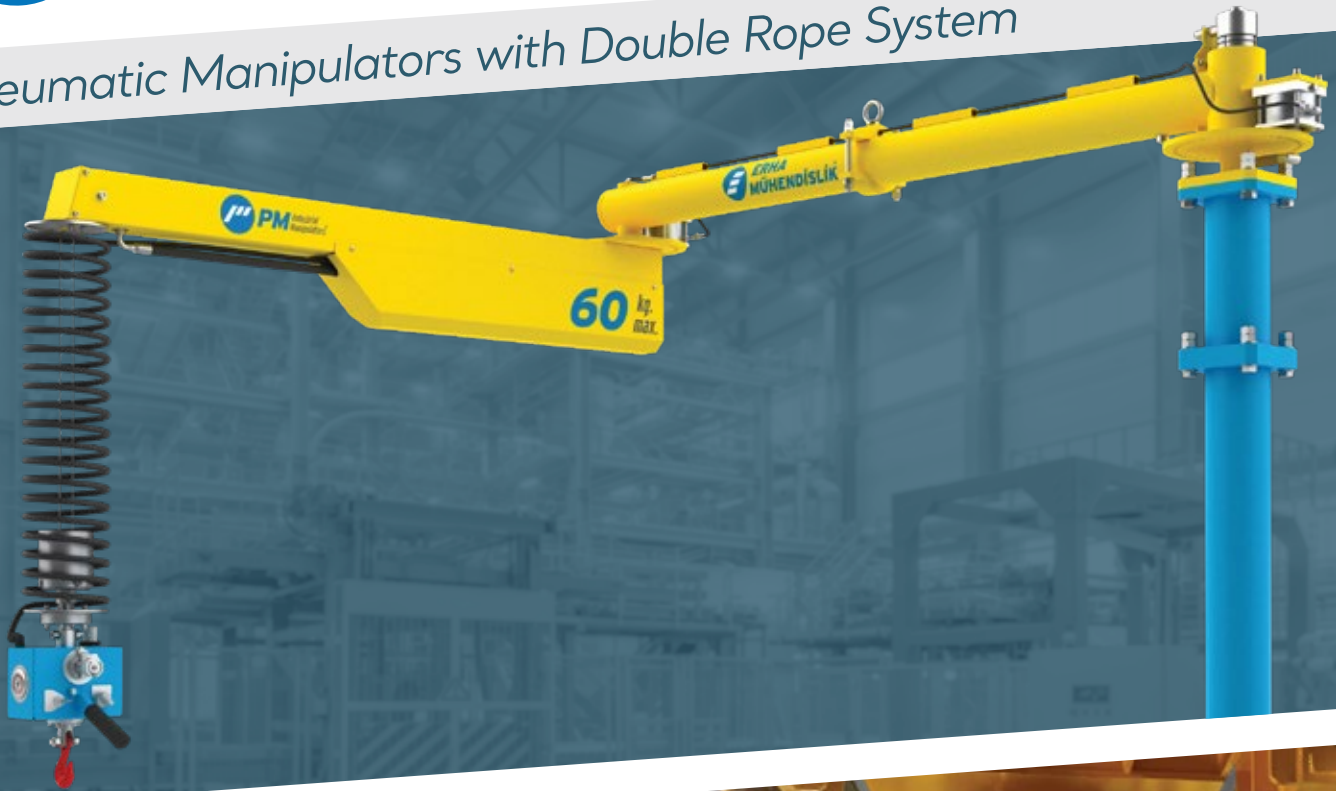


PM Supporter

Pneumatic Manipulators with Double Rope System



PM Supporter 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: **60 kg**, max. working radius: **3.000 mm**, vertical stroke: **1.600 mm**

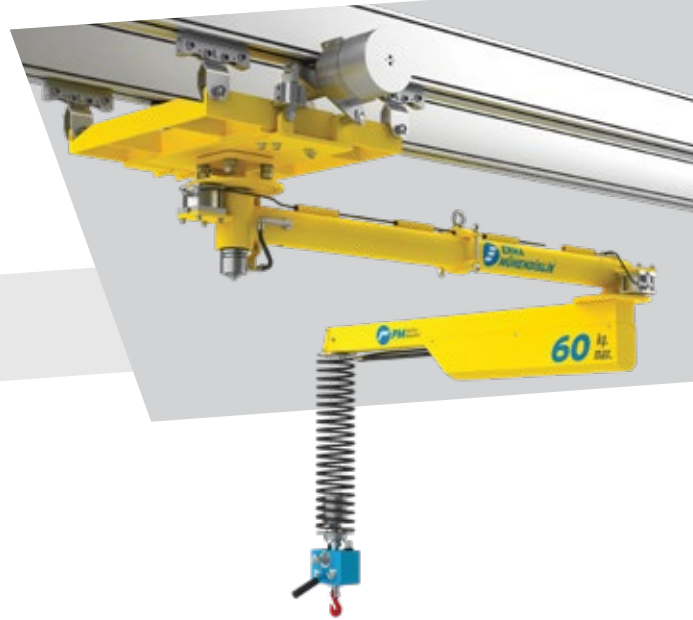
Air consumption per cycle: **10-50 NI**

Mounting Options

Supporter Column Mounted SY



Supporter Overhead Mounted ST



Supporter Overhead Rail-Mounted STA

Maximum Load Capacity [kg]

		60	35
Max. Working Radius [mm]	Rmax	2500	3000
Min. Working Radius [mm]	Rmin	190	200
Vertical Stroke [mm]	H	1600	1600
Min. Pick-up Height [mm]	*h	200	200
Max. Manipulator Height [mm]	*Hmax	2825	2825
Max. Ceiling Mounting Height [mm]	*Hf	2800	2800
Lower Edge of Main Body [mm]	*Hmin	2300	2300

* Dimensions may vary depending on customer-specific requirements.

Base Plate Dimensions [mm]

