



Pneumatic Rigid Arm Manipulator



PM Galactus Rigid Arm Manipulators are designed for **stable and controlled transport of loads under weightless conditions**. They are especially characterized by the **safe handling of off-set loads and vibration-free operation**.

Maximum Safety – Brake and safety systems compliant with CE standards

Off-Set Load Handling – Stable balance with asymmetrical load distribution

Vibration-Free Transport – Smooth, shock- and vibration-free movement

Weightless Operation – Nearly zero operator effort thanks to pneumatic balancing

Precise Positioning – Micro-adjustments and full control in all directions

Drift Control – Special brakes ensure secure stopping

Flexible Mounting – Floor, ceiling, or rail-mounted configurations available

Gripper Options – Standard hooks or customized gripping tools

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

Max. load capacity: **1.850 kg**, max. working radius: **5.000 mm**, vertical stroke: **3.000 mm**

Air consumption per cycle: **100–600 NI**

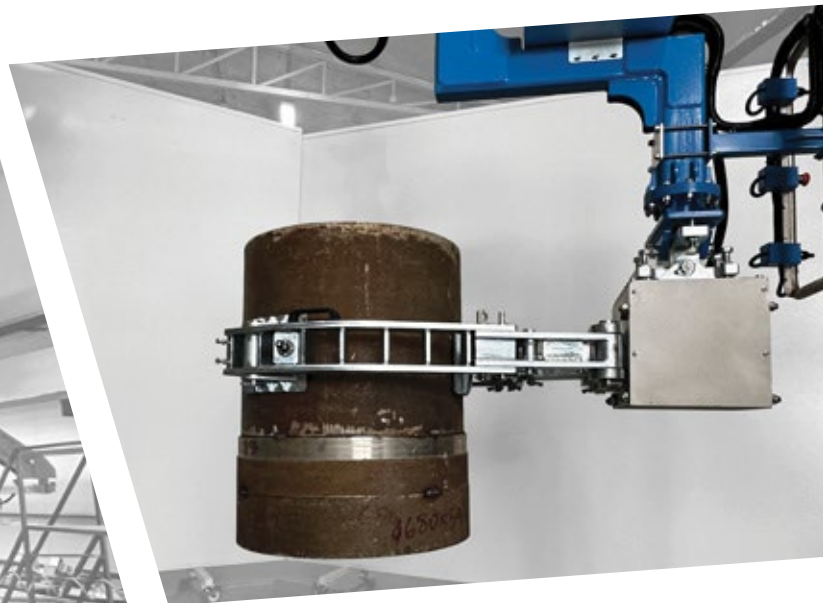
Mounting Options

Galactus Column Mounted GLY

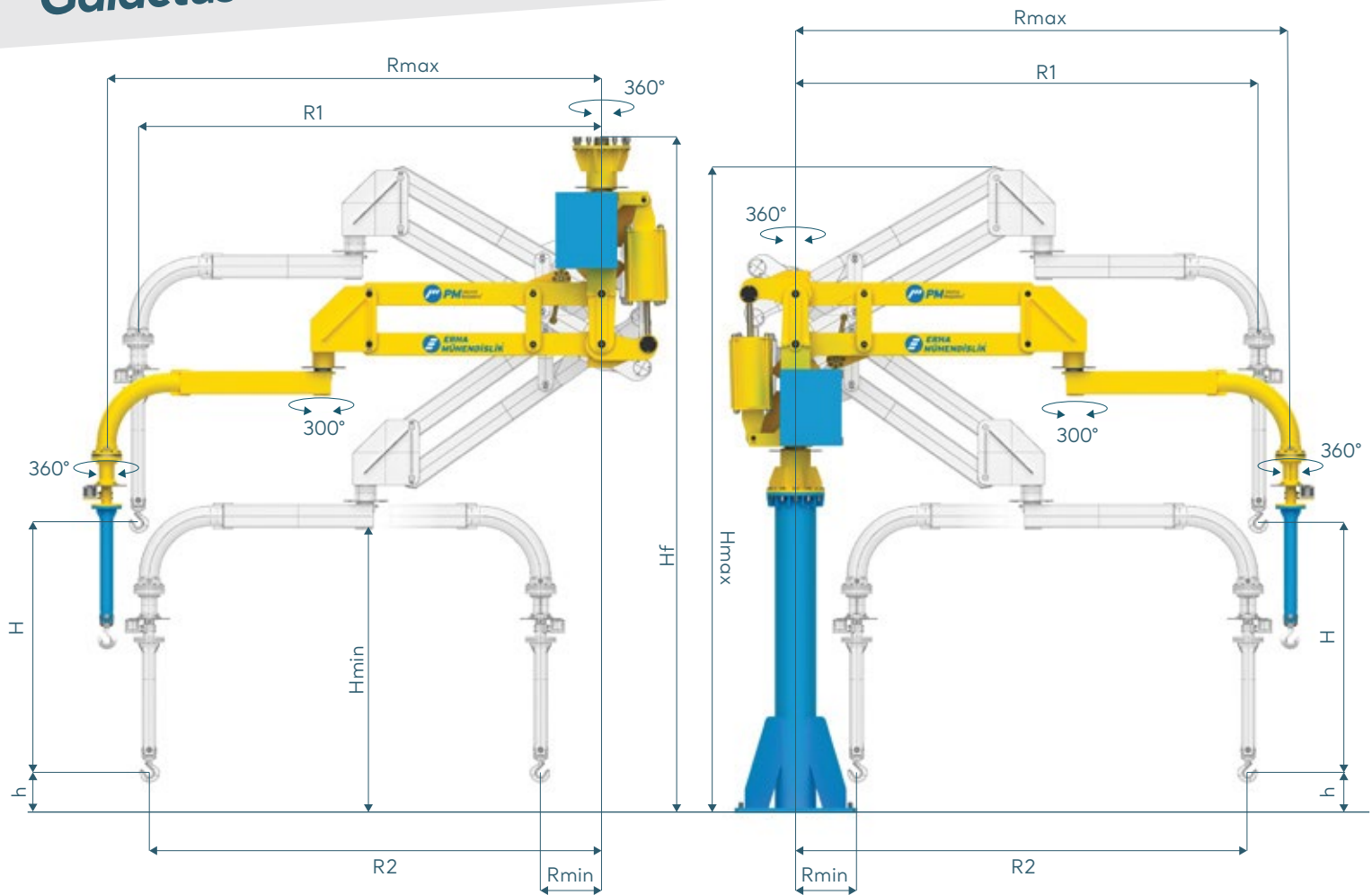


Galactus Overhead Mounted GLT

Galactus Overhead Rail-Mounted GLTA



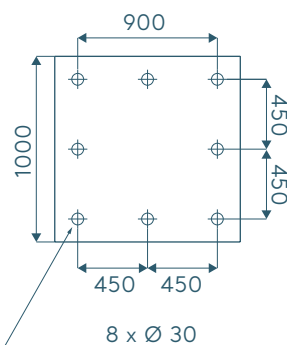
Galactus Technical Details



Maximum Load Capacity [kg]

		1850	1600	1300	1100	950	780
Max. Working Radius [mm]	Rmax	2500	3000	3500	4000	4500	5000
Min. Working Radius [mm]	Rmin	800	920	1034	1139	1250	1342
Vertical Stroke [mm]	H	1500	1830	2150	2450	2750	3000
Min. Pick-up Height [mm]	*h	200	200	200	200	200	200
Max. Manipulator Height [mm]	*Hmax	4405	4734	5052	5350	5652	5902
Max. Ceiling Mounting Height [mm]	*Hf	4822	4980	5132	5275	5420	5540
Lower Edge of Main Body [mm]	*Hmin	2000	2000	2000	2000	2000	2000
Working Radius at Top Position [mm]	R1	2259	2707	3156	3608	4060	4520
Working Radius at Bottom Position [mm]	R2	2207	2643	3081	3523	3964	4415

* Dimensions may vary depending on customer-specific requirements.



Base Plate Dimensions [mm]