



QPM permanent lifting magnets

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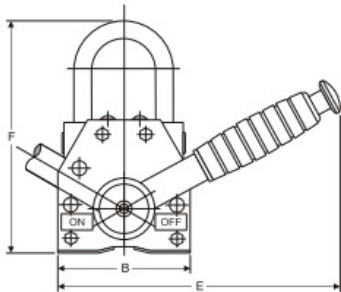
REMA QPM permanent lifting magnets containing neodymium are suitable for lifting and transferring flat and cylindrical ferromagnetic materials ("magnetizable steels").

Applications

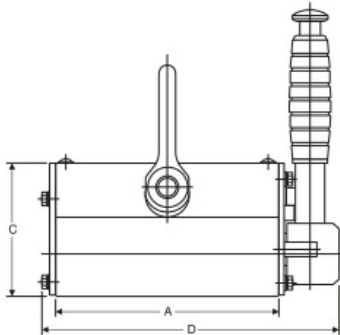
REMA QPM permanent lifting magnets can be used as grabs in lifting and hoisting technologies for horizontal and vertical materials handling in stores, steel construction manufacturing plants, machine and assembly bays etc.

Properties

- Safety factor 3.5.
- High quality neodymium magnet [NdFeB].
- After separation, almost no magnetism remains, establishing no risk of accidents.
- Simple and easy handle operation with safety knob.
- V-groove makes possible lifting not only flat workpieces but even cylindrical ones.
- Compact and robust construction provided with a lifting eye of wide opening.



type	ref. no.	safe working load (kg)		dimensions (mm)						lever length (mm)	weight (kg)
		flat material	round material	A	B	C	D	E	F		
QPM - 100	3610001	100	30	84	62	67	130	150	116	84	2.6
QPM - 300	3610003	300	100	154	92	91	206	195	160	154	9.6
QPM - 600	3610006	600	200	224	122	117	285	254	213	196	23.0
QPM -1000	3610010	1000	300	250	176	163	322	372	288	264	54.0



Type selection

Select a suitable magnet considering the load to be lifted and take thickness, mass, dimensions of magnetic surface, material specifications, surface structure, air gap and symmetric loading into account.

Safety information on the series PFR- and QPM.

IMPORTANT

- Do not exceed rated load capacity!
- Avoid abrupt loading!
- A full lifting force cannot be attained unless surfaces of the steel plates to be lifted (St 37k, 25 mm thick) are machined, smooth and clean.
- When lifting thin sheets from a stack pay attention you are lifting one sheet at a time.
- With thin sheets, take care of "peeling-off" because they can bend and separate from the lifting magnets.
- Do not let lifting magnets touch hard on the ground!
- Do not stay under loads suspended by lifting magnets!
- When working with lifting magnets, do not endanger people!
- Do not lift any load that has loose objects on!
- Do not lift workpieces of rough surface or porous structure.
- Surfaces must be dry, clean and free of oil and grease.
- Attach lifting magnets only to safe cranes, hooks etc.
- Avoid shocks during lifting and put down loads under controlled conditions.
- Always inspect the safety knob on the handle as well as the condition of the guide and the safety pin before operation.
- Annually, have the lifting magnet checked by authorized persons or companies.