

megamag




eddy current brakes

www.megamag.it

The benefits of permanent magnet brakes in fun rides:

- ✓ **frictionless: wear free, nearly no maintenance**
- ✓ **reliable, fail-safe: no power supply required**
- ✓ **comfortable: low jerk, noiseless**
- ✓ **cost effective**

megamag brakes are used in many types of ride:

Ride	Brake Function	
FREE FALL TOWERS	Slow down before the end stop	
THRILL TOWERS PANORAMA TOWERS	Backup safety brake	
ROLLER COASTERS FLUME RIDES	Train slow down at end Switchable brake	
DARK RIDES	Speed trimming Anti-rollback	
PENDULUM RIDES	Spinning limiting device	
SPINNING ROLLER COASTERS		

megamag brakes have been supplied to:

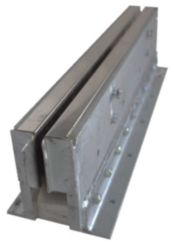
Samc Reverchon, Fabbri, Gosetto, Guernieri, I.E. Park, Ocem, Moser Rides, Pinfari, Preston & Barbieri, Sartori, Interpark, SBF, Technical Park





megamaq

eddy current brakes



megamaq products and references:

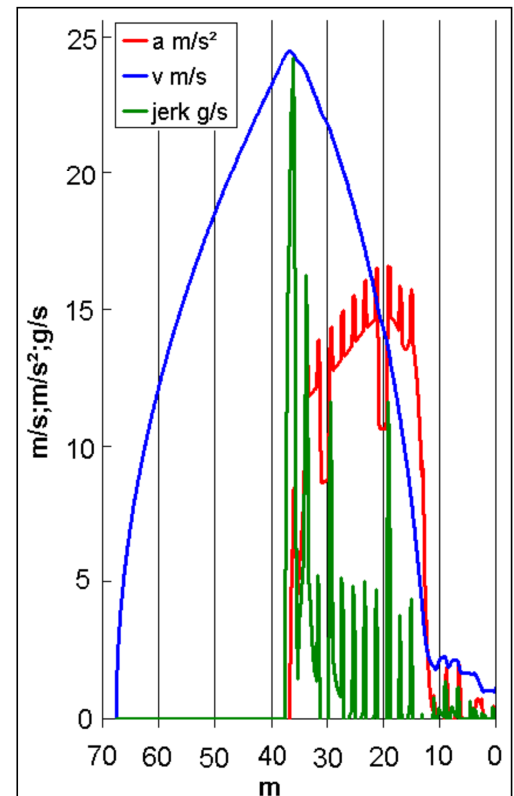
DOUBLE SIDED "U" MAGNETS	<p>The fin is electrically conductive and runs between permanent magnets: no contact, no friction. A heat sink removes the excess heat.</p>	
<p><i>Rides running with megamaq "U" brakes: 75m towers (Kingi @ Linnanmäki park, Dragon @ PowerPark), 50m tower (Kazakhstan), 30m tower (Kayseri - Turkey), 20m towers, dark rides, pendulum rides, spinning roller coasters.</i></p>	<p>Require less space than double sided ones, they fit under normal coaster cars. Special safety measures apply when handling these magnets during assembly.</p>	
SWITCHABLE SINGLE SIDED MAGNETS	<p>The brake can be switched on/off by a drive that takes off the magnet or moves away the conductive fin.</p>	

*Rides running with **megamaq** single sided brakes: several roller coasters (major, family and junior).*

Standard **megamaq** brakes:

Part number	Dimensions [mm]	Fastening N x Ø [mm]	Max braking force [kN]	Mass [Kg]
Double sided "U" magnets				
78907DMI10	1120x215x218	12x12	30	145
78907DMI01	910x215x218	10x12	24	115
78907DMI02	482x215x218	8x12	12	58
78907DMI14	540x203x80	4x12	5.2	37
78907DMI03	274x215x218	4x12	6	32
78907DMI12	330x203x80	4x12	2.7	19
78919DMI02	280x156x150	4x12	6	28
78919DMI12	280x120x150	2x12	2,7	22
78919DMI04	490x156x150	4x12	12	53
78919DMI06	708x156x150	4x16	18	77
Single sided magnets				
78901DMI17	1090x155x66	8x10	17	50
78901DMI08	855x155x66	8x10	14	39
78901DMI19	880x106x56	8xM12	14	40
78901DMI09	895x106x56	(switchable)	14	39
78901DMI06	452x106x56	4xM12	7	20
78901DMI04	452x155x66	4x10	7	20
78901DMI02	276x106x56	4xM12	3	11

- ✓ In addition to our standard products we can develop new designs, just ask for a quote and a calculation tailored to your ride. No obligation.
- ✓ We simulate with a high level of accuracy the braking dynamics (e.g. graph on the right): we provide optimized, effective, tailor-made eddy current braking systems.



OUR PRICES ARE COMPETITIVE.



PREXCO srl – IT01264000207 – Via Primo Maggio 10, 46030 San Giorgio di Mantova, Italy

info@prexco.it – Skype: prexco – www.megamaq.it – www.prexco.it – Ph. +3903761536542

