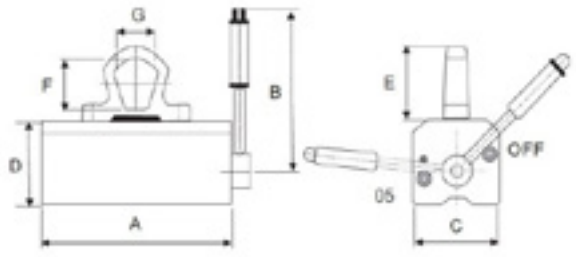
LM A series

Product Pictures

Application

- 3.5 times the recommended lifting load
- Safe and convenient, with a switch handle security button, one-handed operation can be realized
- Both round and plate steel and can be lifted with a 'V' -sharped groove at the bottom
- Greater holding force, lighter weight and almost zero remanence due to the unique magnetic circuit design

The Brief Drawing



Features

- 3.5 times the recommended lifting load
- Safe and convenient, with a switch handle security button, one-handed operation can be realized
- Without electricity
- Magnetic holding force is almost timeless
- Made by high-performance magnetic materials(NdFeB)

• Magnetic status "ON"

• Magnetic status "OFF"

SPECIFICATIONS

MODEL	RATED LOAD (KG)	SAFETY FACTOR	DIMENTIONS(MM)							WORKPIECES(MM)		NET WEIGHT (KG)
			A	B	C	D	E	F	G	MIN THICKNESS	MAX LENGTH	
LM 100A	100	3.5	116	150	66	130	63	35	43	15	1000	4.5
LM 300A	300	3.5	210	168	80	143	63	35	43	20	1500	9
LM 450A	450	3.5	235	180	90	153	88	52	60	25	2000	12
LM 600A	600	3.5	280	198	107	191	88	52	60	30	3000	21
LM 1000A	1000	3.5	360	262	129	218	88	52	60	40	3000	42
LM 2000A	2000	3.5	445	370	220	292	122	64	87	45	3000	85
LM 3000A	3000	3.5	500	480	270	312	122	64	87	55	3000	170

Other size on request

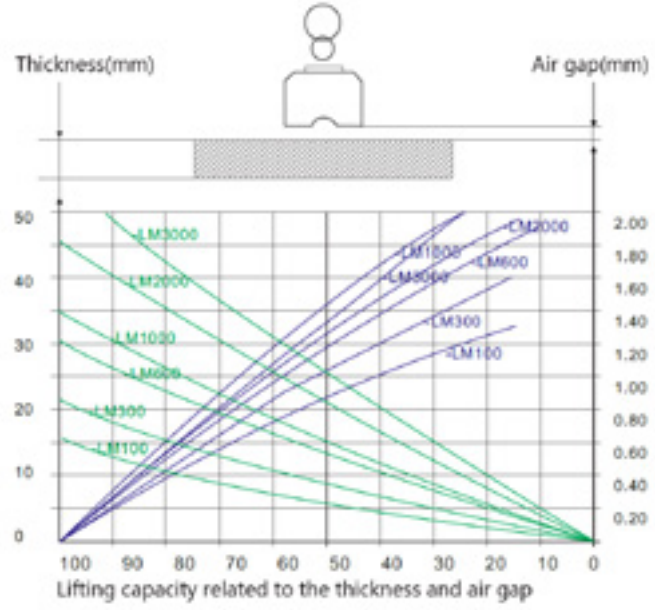
Load characteristics

TYPE OF LOAD	MODEL	RATED LOAD(KG)	MIN THICKNESS(MM)	MAX LENGTH(MM)
 Plate	LM 100A	100	15	1000
	LM 300A	300	20	1500
	LM 600A	600	30	2000
	LM 1000A	1000	40	3000
	LM 2000A	2000	45	3000
	LM 3000A	3000	55	3000
	MODEL	**RATED LOAD(KG)**	**DIA RANGE(MM)**	**MAX LENGTH(MM)**
 Round	LM 100A	75	30~100	1500
	LM 300A	150	40~300	1500
	LM 600A	300	70~400	2000
	LM 1000A	500	70~500	3000
	LM 2000A	1000	100~600	3000
	LM 3000A	1500	100~800	3000

The relationship between lifting capacity and material & surface condition

	Model	Material	Magnetic Conductivity
The relationship between lifting capacity and material	M1	Low carbon steel	100%
	M2	Medium carbon steel	85%
	M3	High carbon steel	75%
	M4	Cast Iron	70%

	Model	Surface condition	Magnetic Conductivity
The relationship between lifting capacity and surface finish	F1	Ground surface	125%
	F2	Rough machined surface	100%
	F3	Foundry finish	90%
	F4	Rough cast	65%



The practical lifting capacity is connected with five key factors: The Thickness(T) of workpiece, the surface finish(F), the material(M), the air gap(G), and the rated lifting capacity(R).

Calculation example:

Model: LM-600A
Rated lifting capacity: 600kg.

The formula for calculating range of lifting capacity is : T×F×M×G×R

Suppose the thickness is 25mm(T=25mm), the surface finish is foundry(F=F3=90%), the material is S45C hardened steel(M=M3=75%), the air gap is 0.5mm(G=0.5mm);

Then the practical lifting capacity is : 85%×90%×75%×80%×600=155kg

LM B series

Product Pictures

- Lifting capacity tester

SPECIFICATIONS

MODEL	RATED LOAD (KG)	SAFETY FACTOR	DIMENTIONS(MM)			WORKPIECES(MM)	NET WEIGHT (KG)
			LENGTH	WIDTH	HEIGHT	MIN THICKNESS	
LM 100B	100	3.5	155	70	120	20	4
LM 300B	300	3.5	195	80	155	25	8.5
LM 600B	600	3.5	230	100	210	30	19
LM 1000B	1000	3.5	350	135	287	45	39
LM 2000B	2000	3.5	425	186	350	55	80
LM 3000B	3000	3.5	500	270	312	70	170

Other size on request

REALPOWER could provides OEM service for special design and request of customer.