

RTL

RTL series lifting magnets by different models and different capacities in various sizes and strengths are suitable to handle of Slab, Block, Billet, thick single plate or a number of plates at a time. The magnet coil winds with insulated Aluminum straps by using high grade of insulating materials and in special cases can be furnished by Anodized Aluminum Strip or Copper conductor, the coil secured in the housing with special compound resin with excellent heat conductivity coefficient. The magnet Core circuit constructed from low carbon steel with high magnetic permeability. It is usable for handling of high temperature tolerance loads up to (600°C) and or equipped to special pole shoes to increase the effective length of the magnet for billet or thin sheet handling. They can be used singly or in multiples on a spreader beam. Rectangular lifting magnets are 110 or 220 VDC and have a 50% duty factor. The cable terminal box with robust construction includes strong metal body in 3 parts, Terminal boards, Cable gland, and Cable clamp and watertight cover with head screws.

The standard chain suspension consists of two single standard chains of with one suspension ring each.

The breakaway force of each magnet can be determined in relation to a given material thickness and the air-gap. For the safety of transporting flexible loads (metal sheets) the suitable position of the magnets to the load is very crucial.

Control Panel

MAG standard control panels (IP54) includes number of controls and monitoring function such as local/remote power on/off switching, voltage / current metering, microprocessor based maintenance diagnostics, and battery backup system. By regulating magnetic flow with a potentiometer, the operator can choose the magnetic force in function of the load to be handled, and used to pick-up one or more plates.



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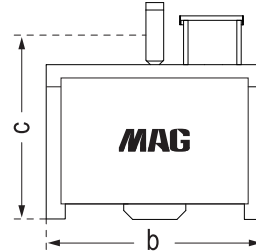
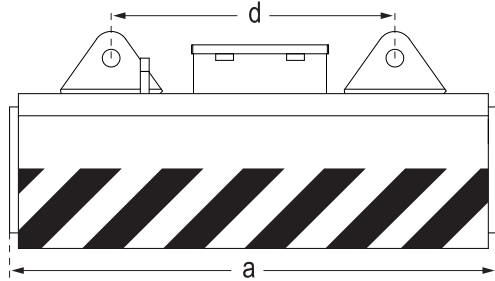
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To increase the life time of magnet, the control panel equipped with a temperature and duty factor relays, and rectifier

protected against any output short circuit accident. The accessory equipments include of battery backup device, cable reel, suspension chains and power supply socket.



Model	Magnet Cold Wattage	Magnet rated voltage	Dimensions				Chain Suspension Parts W.L.L	Weight Approx.	Max. Breakaway Force (magnet warm)	Max. Lifting Capacity with SF 2:1 (magnet warm)
			a	b	c	d				
	KW	Vdc	mm	mm	mm	mm	Kg	Kg	Kg	Kg
RTL 20/40	0.5	110	400	200	210	300	2,000	60	2,710	1,355
RTL 20/60	0.7		600		200	450	3,000	90	4,065	2,033
RTL 20/80	0.8		800		192	600	3,000	120	5,420	2,710
RTL 20/100	1.0		1,000		192	700	4,200	150	6,775	3,388
RTL 20/120	1.1		1,200	192	850	4,200	180	8,130	4,065	
RTL 30/60	0.6		600	300	245	450	4,200	165	6,225	3,113
RTL 30/80	1.4		800		235	600	4,200	220	8,300	4,150
RTL 30/100	1.4		1,000		235	700	6,600	275	10,375	5,188
RTL 30/120	1.8		1,200		235	850	6,600	330	12,450	6,225
RTL 30/140	2.0		1,400		240	900	9,000	385	14,525	7,263
RTL 30/160	2.4		1,600		240	1,000	9,000	440	16,600	8,300
RTL 30/180	2.5		1,800		245	1,100	11,200	495	18,675	9,338
RTL 30/200	2.8	2,000	245		1,200	11,200	550	20,750	10,375	
RTL 40/80	1.9	220	800	400	300	600	6,600	375	12,300	6,150
RTL 40/100	2.3		1,000		300	700	9,000	469	15,375	7,688
RTL 40/120	2.9		1,200		300	850	11,200	563	18,450	9,225
RTL 40/140	3.2		1,400		310	900	11,200	656	21,525	10,763
RTL 40/160	3.6		1,600		310	1,000	13,300	750	24,600	12,300
RTL 40/180	4.1		1,800		310	1,100	15,400	844	27,675	13,838
RTL 40/200	4.3		2,000		310	1,200	18,200	938	30,750	15,375
RTL 50/100	3.7		1,000		500	430	700	13,300	900	25,500
RTL 50/120	4.2	1,200	430	850		18,200	1,080	30,600	15,300	
RTL 50/140	4.4	1,400	430	900		21,000	1,260	35,700	17,850	
RTL 50/160	5.2	1,600	430	1,000		21,000	1,440	40,800	20,400	
RTL 50/180	5.9	1,800	440	1,100		30,000	1,620	45,900	22,950	
RTL 50/200	6.1	2,000	440	1,200		30,000	1,800	51,000	25,500	
RTL 60/100	4.4	1,000	600	480		700	21,000	1,340	36,000	18,000
RTL 60/120	5.0	1,200		480		850	30,000	1,608	43,200	21,600
RTL 60/140	5.3	1,400		480	900	30,000	1,876	50,400	25,200	
RTL 60/160	6.2	1,600		480	1,000	30,000	2,144	57,600	28,800	
RTL 60/180	6.7	1,800		490	1,100	35,000	2,412	64,800	32,400	
RTL 60/200	7.0	2,000		490	1,200	40,000	2,680	72,000	36,000	
RTL 60/220	8.0	2,200		490	1,300	44,000	2,948	79,200	39,600	
RTL 70/100	5.0	1,000		700	520	700	21,000	1,750	40,000	20,000
RTL 70/120	5.8	1,200	520		850	30,000	2,100	48,000	24,000	
RTL 70/140	6.7	1,400	520		900	30,000	2,450	56,000	28,000	
RTL 70/160	7.0	1,600	520		1,000	35,000	2,800	64,000	32,000	
RTL 70/180	7.6	1,800	535		1,100	40,000	3,150	72,000	36,000	
RTL 70/200	8.2	2,000	535		1,200	44,000	3,500	80,000	40,000	
RTL 70/220	9.0	2,200	550		1,300	50,000	3,850	88,000	44,000	



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