

# U-shape Lifting Magnet RUL

RUL series lifting magnets have an extremely wide range of applications and are suitable to handle of Plate, Structural Shapes, Pipe, Coiled Strips, Tube and Round Bars. RUL could be equipped with special extendable pole shoes to increase the effective contact of the magnet for particular applications and allow to handle irregular shapes that are difficult to sling by conventional way. RUL series could adjust themselves to any irregular load surfaces.

The magnet coil is wound with insulated Aluminum straps or Copper conductor straps by using high grade of insulated materials, the coil is secured in the housing with special compound resin with excellent heat conductivity coefficient. The magnet Core circuit is constructed from low carbon steel with high magnetic permeability.

To increase the life time of magnet, the control panel is equipped with a temperature and duty factor relays, and rectifier will be protected against any output short circuit accident.

The accessory equipments include of battery backup device, cable reel, suspension chains and power supply socket.

The Max Breakaway force shown in the table is for mild steel with machined surface. A derating safety factor must always be applied to the magnet and is variable depending upon surface condition, contact area, wall thickness and length of load.

## Feature and Applications

RUL magnets are suitable for handling of high temperature tolerance loads up to (600°C). They can be used singly or in multiples on a spreader beam. RUL lifting magnets are 110 or 220 VDC and have a 60% duty cycle.

Fortunately complete line of design by different models and different capacities in various sizes and strengths are used in transporting heavy and hot steel blocks/plates/Blooms in a mill plant, ports and foundries or handle many different lifting jobs depends on particular application.

To lift Sheet Coils with horizontal axis RUL magnet is equipped with side extensions that are operating as pole shoes. These extensions are matching the shape of coils by conforming themselves to the bending surface of coils. To handle Sheet Coils with vertical axis we offer special star magnetic beams with three or four RUL units.



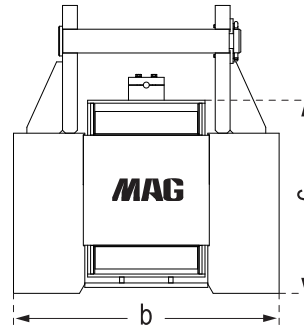
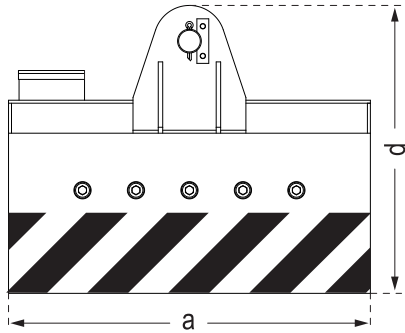
**MAG**<sup>TM</sup>

MAG Develop Pty Ltd

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# RUL



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
RUL 15/40	0.4		400				3,250	68	3,100	1,550
RUL 15/60	0.7		600	150	220	270	3,250	100	4,700	2,350
RUL 15/80	0.9		800				3,250	135	6,250	3,125
RUL 20/60	1.2		600				3,250	155	6,200	3,100
RUL 20/80	1.6		800	200	252	300	3,250	210	8,250	4,125
RUL20/100	1.2		1,000				3,250	260	10,300	5,150
RUL 30/60	1.4		600				6,500	285	8,550	4,275
RUL 30/80	1.8		800	300	296	373	6,500	380	11,400	5,700
RUL 30/100	2.2		1,000				6,500	475	14,250	7,125
RUL 30/120	2.7		1,200				6,500	570	17,100	8,550
RUL 40/60	2.2	110	600				9,500	520	14,320	7,160
RUL 40/80	3		800				9,500	700	19,100	9,550
RUL 40/100	3.7		1,000	400	390	475	9,500	875	23,875	11,938
RUL 40/120	4.5		1,200				9,500	1,050	28,650	14,325
RUL 40/140	5.2		1,400				9,500	1,225	33,425	16,713
RUL 50/80	3.5		800				9,500	1,040	20,600	10,300
RUL 50/100	4.4		1,000				12,000	1,300	25,750	12,875
RUL 50/120	5.2		1,200	500	460	585	9,500	1,560	30,900	15,450
RUL 50/140	6		1,400				12,000	1,820	36,050	18,025
RUL 50/160	7		1,600				12,000	2,080	41,200	20,600



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