

RBL

RBL series lifting magnets are suitable to handle of Slab, Block, Billet, Steel Coils, Bundle of Pipe, Rebar, Tubing and H beams. MAG Magnetics provides a wide spectrum of standard and special bi-polar magnet designs with options to meet client particular applications. These designs uniquely handle higher-temperature material than a standard rectangular magnet through a specially positioned magnet coil. The size and number of magnets depends on the thickness of the profile steels, the diameter of the bundle, the length of the bundle and the number of bundles to be lifted per layer. 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. These magnets can be used individually or in multiples with different types of suspension systems.

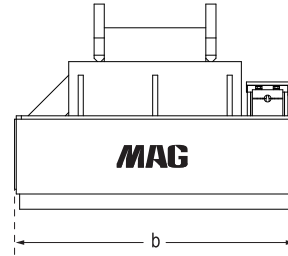
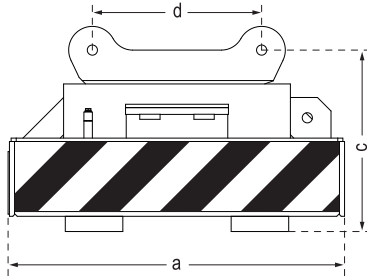
To increase the life time of magnet, the control panel equipped with a temperature and duty factor relays, and rectifier will be protected against any output short circuit accident. The accessory equipments include spreader beams, battery backup device, cable reel, suspension chains and power supply socket.

RBL Feature and Applications:

MAG Magnetics supplies special lifting magnets RBL- series usable for handling of hot temperature loads (600°C) and or equipped to special pole shoes to increase the effective contact of the magnet for differ applications.

- There is no need for stoppers.
- The bundles do not get damaged (torn/ripped up)
- Only the crane operator does the work
- The bundles can be stacked on the least amount of space
- Two pole field for maximum holding on irregular shapes
- Weather – tight welded construction
- Designed duty factor is 60%
- Magnets for higher duty factor or hot material handling(up to 600°C) are available
- All magnets could designed with re-inforced special shaped pole center to extend magnetic force
- At six groups available
- Reduced pole shoes for large round bars
- Extended pole shoes for high temperature applications
- Flat pole shoes for thin and heavy loads





Model	Magnet Cold Wattage	Magnet rated voltage	Dimensions				Working Load Capacity of Chains	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	ton	ton
RBL 30/15	0.97	60	426	306	335	270	2,000	104	2.2	1.1
RBL 30/35	1.43			506			4,000	242	5.2	2.6
RBL 30/55	1.90	110	426	706	335	270	6,000	381	8.2	4.1
RBL 30/75	2.36			906			8,000	519	11.1	5.55
RBL 30/95	2.82	220	426	1,106	335	270	11,000	658	14.1	7.05
RBL 30/115	3.29			1,306			11,000	796	17	8.5
RBL 35/15	1.26	110	520	340	365	330	2,000	132	2.8	1.4
RBL 35/35	1.80			540			4,000	308	6.6	3.3
RBL 35/55	2.35	220	520	740	365	330	8,000	483	10.3	5.15
RBL 35/75	2.89			940			11,000	659	14	7
RBL 35/95	3.43	220	520	1,140	365	330	11,000	835	17.8	8.9
RBL 35/115	3.98			1,340			16,000	1,011	21.5	10.75
RBL 40/15	1.76	110	640	380	433	410	3,000	180	4.2	2.1
RBL 40/35	2.43			580			6,000	419	9.8	4.9
RBL 40/55	3.09	220	640	780	433	410	11,000	659	15.4	7.7
RBL 40/75	3.76			980			11,000	898	21.1	10.55
RBL 40/95	4.43	220	640	1,180	433	410	16,000	1,138	26.7	13.35
RBL 40/115	5.09			1,380			21,700	1,377	32.3	16.15
RBL 55/15	2.46	110	820	430	505	540	4,000	274	7.3	3.65
RBL 55/35	3.28	220	820	630			505	540	8,000	638
RBL 55/55	4.11			830	16,000	1,003			26.6	13.3
RBL 55/75	4.93	220	820	1,030	505	540	16,000	1,368	36.3	18.15
RBL 55/95	5.76			1,230			21,700	1,733	45.9	22.95
RBL 55/115	6.58	220	820	1,430	505	540	28,500	2,098	55.6	27.8
RBL 65/15	3.52			1020			1020	510	545	650
RBL 65/35	4.52	710	11,000		859	21.8		10.9		
RBL 65/55	5.53	220	1020	910	545	650	16,000	1,350	34.3	17.15
RBL 65/75	6.53			1,110			21,700	1,841	46.8	23.4
RBL 65/95	7.54	220	1020	1,310	545	650	28,500	2,332	59.3	29.65
RBL 65/115	8.54			1,510			44,000	2,823	71.8	35.9
RBL 75/15	4.71	1200	1200	575	625	775	6,000	503	11.5	5.75
RBL 75/35	5.89			775			16,000	1,174	26.8	13.4
RBL 75/55	7.07	220	1200	975	625	775	21,700	1,845	42	21
RBL 75/75	8.25			1,175			28,500	2,516	57.3	28.65
RBL 75/95	9.43	220	1200	1,375	625	775	44,000	3,187	72.6	36.3
RBL 75/115	10.61			1,575			44,000	3,858	87.9	43.95