

# e-lift Permanent Magnetic Lifter

**Features**

- Tested to 3 times the rated lifting capacity.
- State of art design.
- Smaller and lighter than ever.
- Made with high energy rare earth NdFeB magnets.
- All Steel body and thus very stable.
- Easily transportable.
- Actuating lever with positive spring lock.

**Applications**

- For handling of steel plates, blocks, rounds, press moulds and loading/unloading on machines.
- Commonly used near flame cutting.
- Very handy during fabrication.
- Can handle finished components without leaving behind any scratch marks, unlike binding and slinging.
- Can be used with spreader beam hanging multiple magnets for long plates/pipes/bars.
- Can be used with mobile cranes.

**Benefits**

- More effective use of floor space by eliminating dunnage & increasing stacking height.
- Large and heavy work piece can be moved safely and easily by a single operator.
- Suitable for both flat and round components.
- Labour saving, time saving.



ART NO. 21101

**ESSENTIAL - for productivity**

**EASY - to operate**

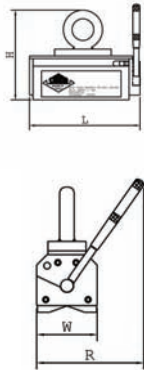
**ECONOMICAL - to purchase**



**EVER Lasting**



All dimensions are in mm.



Art No.	Lifting Capacity		Dimensions				Self Weight (Kg)	TFL (Kg)	Job Size Range		
	Flat (Kg)	Dia (Kg)	L	W	H	R			L	W	(Ø)
21101.01	100	45	135	70	140	160	4	300	1200	800	40 - 100
21101.02	200	90	175	70	140	160	6	600	1200	800	40 - 100
21101.03	300	125	195	90	170	210	9	900	2000	1200	40 - 160
21101.04	500	225	255	100	210	180	18	1500	2500	1500	40 - 200
21101.05	1000	450	355	142	290	375	43	3000	3000	2000	60 - 350
21101.06	2000	900	445	182	335	430	88	6000	3500	2000	80 - 400
21101.07	3000	1350	470	260	425	750	175	9000	3500	2000	80 - 400
21101.08	5000	2250	540	370	515	750	350	15000	5000	3000	125 - 450

Thickness		Rated Capacity (SWL)							
		5000	3000	2000	1000	500	300	200	100
T1	70	100%	100%	100%	100%	100%	100%	100%	100%
T2	60	90%							
T3	50	85%							
T4	45	80%							
T5	40	70%	80%	85%	90%	90%	100%	100%	
T6	35	70%	75%	85%					
T7	30	-	60%	65%	80%	80%	90%	100%	100%
T8	25		55%	70%					
T9	20		45%	60%	75%	90%	100%	100%	
T10	15		-	50%	60%				70%
T11	10	-	-	-	45%	50%	70%	70%	
T12	5	-	-	-	-	30%	40%	40%	

- Testing plate thickness 60 mm. (90 mm for Art. No. 21101.08)
- Lifting capacity depends with: - Thickness of load - Roughness of job surface - Hardness of material - Contact area of magnet - Temperature of the load.



Loading on Machine Bed



Spreader Beam With Adjustable Magnets.

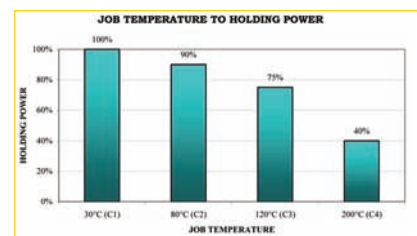
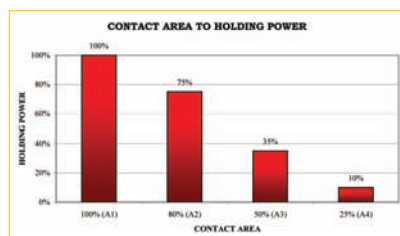
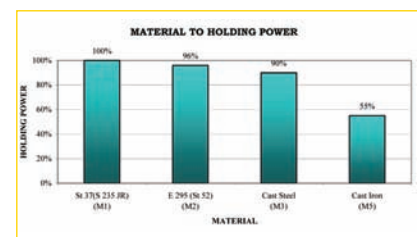
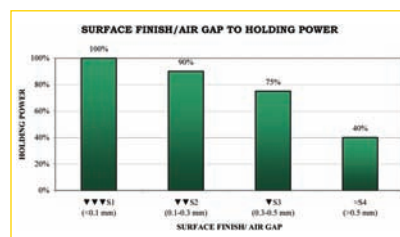


Calculation of Lifting Capacity of a Lifting Magnet: = T x S x M x A X C X SWL

Example:

$$T4 \times S2 \times M2 \times A2 \times C1 \times 1000$$

$$100\% \times 90\% \times 90\% \times 75\% \times 100\% \times 1000 = 607.5 \text{ Kg}$$



- Due to continuous upgradation in design there could be changes in specifications
- Other sizes on request.