



Alfra Lifting Magnets

You need to have the correct equipment to lift, move and position the work pieces and materials that you work with, you need a solution that you can trust, a solution that is reliable, convenient and won't cost the earth.

Anyone who has ever wondered how on earth they are going to move a piece of heavy metal across a busy work area will understand the problem. Or those, who have ever had to wait for a hot work piece to cool before it can be safely re-positioned may also relate to the frustration. At Selmach, our range of magnet systems can do all the above, with a range designed for every need.

**WATCH
THEM IN
ACTION**







TML 100



TML250

TECHNICAL SPECIFICATIONS

MODEL	TMH 50 Hand Lifting Magnet	TML 100 Permanent Lifting Magnet	TML 250 Permanent Lifting Magnet	TML 500 Permanent Lifting Magnet	
STOCK CODE					
					
Features	<ul style="list-style-type: none"> • Max lifting capacity of 50kg (even with 3mm sheet metal S235) • Protects hands and fingers from hot and sharp steel. • Invaluable for anyone moving parts from one place to another (max. temperature 80°) 	<ul style="list-style-type: none"> • Max lifting capacity of 50kg at 3mm material thickness and 100kg lifting capacity from 6mm (at safety factor 1:3) • Outstanding performance on thin walled materials (already applicable from 1mm material thickness) • 360° rotating and swivelling hook (also at maximum load) 	<ul style="list-style-type: none"> • Up to 250kg Lifting force at 10mm material thickness and 90kg lifting force already at 3mm material thickness. The stated performance adds a safety-factor of 3 for the lifting operation. This means that the tear off force needs to be three times the maximal lifting force. • Outstanding performance on thin walled materials • Weight reduction of 70% at the same lifting force • Effortless and ergonomical one-lever magnet activation • Revolutionary magnetic technology allows for a much wider range of lifting solutions • 360° rotating lifting hook • Tin-coated, hardened steel magnetic adhesive surface 	<ul style="list-style-type: none"> • Up to 300kg lifting force at 5mm material thickness and 490kg lifting force already at 10mm material thickness. The stated performance adds a safety-factor of 3 for the lifting operation. This means that the tear off force needs to be three times the maximal lifting force. • Outstanding performance on thin walled materials • Weight reduction of 70% at the same lifting force • Effortless and ergonomical one-lever magnet activation • Revolutionary magnetic technology allows for a much wider range of lifting solutions • 360° rotating lifting hook • Tin-coated, hardened steel magnetic adhesive surface 	
Magnetic Contact Surface	mm	80 x 42.5	80 x 52	135 x 65	185 x 88
Height	mm	100	85 (Lifting hook folded down) 147 (Lifting hook folded up)	191 (Open Lever)	216 (Open Lever)
Width	mm	80 (124 with Lever)	80	91	118
Length	mm	126 (190 with Lever)	82.5	240 (Lever)	295 (Lever)
Maximum Load	kg	Up to 50 (1:3 safe working mode)	Up to 100 (1:3 safe working mode)	Up to 250 (1:3 safe working mode)	Up to 500 (1:3 safe working mode)
Maximum Vertical Lifting Capacity	kg	N/A	Up to 30 at 90 degrees	Up to 50 at 90 degrees	Up to 150 at 90 degrees (from 15mm S235 with 1:3 safe working mode)
Tear-Off Force	kg	300 (from 6mm sheet metal S235)	300 (from 6mm sheet metal S235)	750 (from 10mm sheet metal S235)	1500 (from 15mm sheet metal S235)
Weight	kg	1.6	1.7	3.5	7.3