

SOLENOIDS

HOLDING MAGNET



Holding Magnet This is a 35 mm diameter magnet which when energised releases its load. The applications are numerous – it could secure the lid to a drop box, release a light cloth, or make a picture fall from a wall. We recommend using our 40 mm diameter holding plate [armature]. A rubber grommet is supplied to allow some movement to ensure complete contact with both

faces. If you want to release very light loads ensure that the voltage is accurately delivered to avoid residual magnetism. Adding extra weight or spring loading doors can be helpful design tips. Our holding magnets are supplied with a plug and socket connector with PG11 glands ready to take your cable. [See previous page for design tips when using magnets]

SPECIFICATION: Wiring information: earth on earth, live on terminal No.1, neutral on terminal No.2. Size: 50 mm long x 35 mm Ø. Fixings: One off 5 mm machine screw. Weight: 350 g Power Consumption: 8 W

Holding Magnet	code	Tradeline
With plug for 24 V DC supply [excl. holding plate]	SOL035	£138.10
With plug for 230 V AC supply [excl. holding plate]	SOL035AC	£146.75
Spare plug for 24 V DC supply	SOL01DC	£3.85
Spare rectifying plug for 240 V supply	SOL02AC	£16.75

NB: As these units are impulse rated they should not be energised for longer than 15 seconds – our firing boxes are fitted with a momentary switch to avoid this happening. If using the firing box you will need to order a power feed cable [SOLB2A] and a length of cable [SOLCABLE] fitted with a white AMP connector [SOLAMPP]. You will need to connect the cable to the holding magnet. Wiring to plugs type SOL01DC and SOL02AC is as follows: Earth on earth, live on terminal No.1, neutral on terminal No.2.

ARMATURE PLATES



Armature Plate These plates are surface ground electro nickel-plated and are the correct thickness for maximum performance from your solenoid.

SPECIFICATION: Size: 40 mm Ø x 6 mm thick supplied with 4 mm csk shoulder screw and rubber grommet with 6 mm of exposed thread. Weight: 50 g.

Armature Plate	code	Tradeline
	SOL40ARM	£13.00

SMALL SHOT BOLT



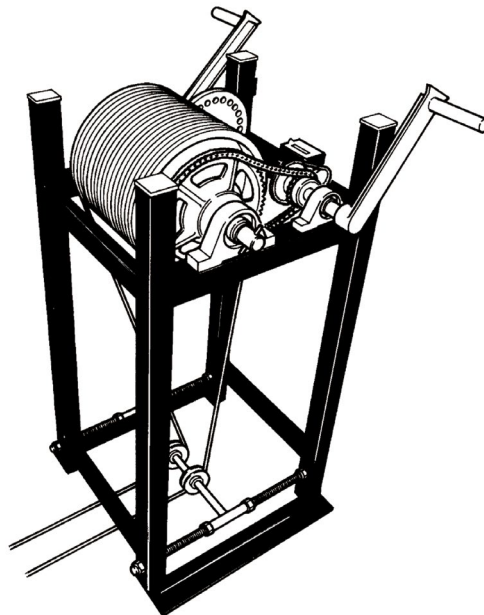
Small Shot Bolt This device is ideal for light-duty safety catches on safety cages and lift access gates. They spring to lock and energise to release. It can also be used to drop light loads. It has a 10 mm stroke on its 8 mm diameter

bolt and is supplied with flying leads. The unit is secured by its neck through a 16 mm hole with the nut provided. The reverse end of the stainless steel bolt is tapped to take a 3 mm bolt which could be used as an emergency release in the event of a power failure. The bolt slides on long life PTFE bearings. These solenoids are not suitable for heavy side loads. Please ask for details about heavy-duty solenoids. **SPECIFICATION:** These units are continuously rated for 24 V DC. You will need to provide a 24 V DC supply. Size: 40 mm Ø x 60 mm plus 12 mm long threaded neck [M16]. Weight: 460 g. Power consumption: 14 W

Small Shot Bolt	code	Tradeline
	SOL40SHOT	£97.65

TRUCK WINCHES

TRUCK WINCHES



Truck Winch Designed for moving medium to heavy-weight stage trucks. The winch drum is capable of 25 m of travel. There is a choice of handle positions providing a 1:1 or 1:3 ratio. The lower sheaves are adjustable to maintain cable tension. It can be operated by one or two crew. Fitted with a simple but effective pin brake. The winch is supplied with a trip meter for the accurate positioning of trucks even in blackouts. The finish is black powder coated. Truck winch handles are also sold separately.

SPECIFICATION: WxH 550 x 1,090 mm. Cable: 5 mm. Fixings: 6 off M10 bolts or coach screws.

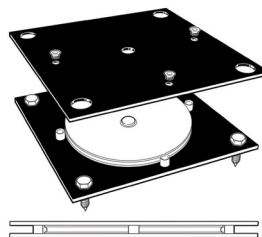
Truck Winch	code	Tradeline
Truck Winch + One handle + Trip meter [25 m travel]	FHS510T	£3,750.00
Extra Handle for all winches	FHS505	£217.00



Winch Meter This unit shows 0 – 999999 on 10:1 ratio They are used on our truck winches but they can be used for other applications. Axle: Ø 6 mm.

Winch Meter	code	price
Type CRSRLCB10:1J2010	FHS501I	£120.70

LOW LEVEL RETURN PULLEY



Low Level Return Pulley A 230 mm Ø aluminium sheave for 6 mm wire rope mounted between two 300 mm square plates so that the overall thickness is just 19 mm! Fitted with an Oilite bush bearing and nylon side washers. These pulleys are designed to act as return pulleys for our truck

winches and can be mounted within the thickness of a 19 mm ply floor. Fixings needed are four M10 coach screws which are accessed through large diameter holes in the top plate but are hidden within the 19 mm depth when tightened down.

Low Level Return Pulley	code	price
Whole assembly	FHS503	£111.50
Sheave only	FHS504	£44.65