

### DRILLING EQUIPMENT



#### **Big Magnetic Base Drill – Steel Drilling (EMD)**

This Electric Drill relies on an Electro Magnetic Base to fix itself onto steel structures where drilling is required. This feature is very helpful if you need accurate and stable drilling especially on high metal structures or on roofs. It's a portable Drill Machine and uses single phase electricity. Due to the drill using Magbase drill bits, as well as normal steel drill bits, this drill is very versatile in drilling bigger range of hole sizes in steel structures.

#### **Do's:**

Use cutting oil.

Use the correct drill bit type for what you want to do. For bigger holes use the Magbase drill bits.

#### **Don'ts:**

Do not weld on the same structure where the drill is operating. This will damage the electro magnetic base and is a very expensive part of the drill machine which cannot be repaired and would need to be replaced at high cost.



**Please Note:** Only use the drill machine for what it was intended for. The drill is mainly made of up of electronics system and for drilling into steel. Water, abuse & negligence can cause severe damage.

To avoid burning out the armature on this drill always remember the 60% - 40% duty cycle.

This means for every 36min the machine has worked it has to be left to cool down in shady area for 24min.

#### **Accessories:**

Safety Chain (Especially on high structures to avoid falling drill machine on power failures)

Chuck-head attachment

Mos-taper attachment

Drill bits can go up to 80mm

#### **16mm Impact drill (DIE)**

This is a rotary impact drill. Although it has a hammer action function it is not advised to use it for heavy duty drilling. (The durable DHS SDS plus hammer action drill is recommended in such instances.)

This rotary drill is suitable for steel material drilling and for dry Core drilling into brick work. It is a powerful drill with 16mm chuck and has two speed settings depending on application.

#### **Do's:**

Check the brushes.

Check for excessive spark which indicates damage to armature.

Check if cord is still intact.

Check if chuck-key is on the cord.

#### **Don'ts:**

Do not force equipment. The more strain you use, the more likely it will burn out the motor. This will also result in blunt or twisted drill bits. Do not use an extension cable longer than 25m and for longer than the 60-40% duty cycle.

Do not put heated drill bit on cord.

Operates with rotary system and thus not designed for concrete drilling

Does not have a clutch breaking system on drill machine.



**TIP:** The right application for a drill is when least amount off pressure is used on given material.