

SECTION 8

WELDERS AIDS





CHALK

BOSS Engineers Chalk

Engineers chalk used for marking in general engineering & boilermarking.

Size	Pck	Part No.
75 x 10 x 10mm	50 pcs/box	800020
75 x 10 x 5mm	100 pcs/box	800022



Highlight Engineers Chalk

Engineers chalk sticks are natural white talc soapstone, quarry cut & suitable for marking hot & cold metal as well as any other hard surface.

Size	Pck	Part No.
75 x 10 x 10mm	44 pcs/box	800016
75 x 10 x 5mm	88 pcs/box	800018



WELDERS HELPERS

Molytec Zinc Cote Gal Spray

Part No. 800357

Galvanising spray is used as a protective primer or final coating wherever iron or steel will be exposed to corrosive conditions. Contains 93% zinc in very fine particles. 500g Can. 12 cans/ctn.



BOSS MIG Welding Pliers 8 Ways

Part No. 800074

Handy eight function welders pliers. Functions include, nozzle removal, tip removal, cleaning inside of nozzle & wire cutting.





FLAW DETECTION

DY-Chek Detection System Steps 1-4

Four step process to check for flaws in weld.

- Step 1: Clear, fast drying solvent used to pre-clean surfaces prior to penetrant application. Also used to remove surface penetrant.
- Step 2: Red liquid penetrant for detection of surface flaws by post emulsification or solvent wipe methods.
- Step 3: Clear solvent used to remove surface penetrant by hand wipe method.
- Step 4: Non aqueous suspension which dries to an absorbent white film drawing penetrant from flaws to surface.

Type	Part No.
Precheck step 1 300gr	800030
Penetrant step 2 300gr	800031
Remover step 3 300gr	800032
Developer step 4 300gr	800033
12 cans/ctn.	
Type	Part No.
Detection system steps 1 – 4 in set	800034



PICKLING GEL

BOSS Pickling Gel

Stainless steel pickling gel used for the removal of weld scale & black oxide marks from welding & brazing of stainless steel. Suitable for all grades of stainless steel. Strong & fast acting, this preparation clings to vertical surfaces. Comes with an acid resistant brush.

Size	Ctn	Part No.
1Kg	12 btlts	800035
2.5Kg	6 btlts	800036



ANTI SPATTER

Wurex Aerosol Anti Spatter Spray 500 grams

Part No. 800040

This silicone free spatter release coating is a colourless film which stops weld spatter from sticking to welding equipment, work pieces & fixtures. Easily removed before painting or finishing. Propellant CO2. 12 cans/ctn.

Water Based Anti Spatter

Water based, silicone free preparation used to prevent weld spatter sticking to MIG tips, nozzles & work pieces. Non toxic, non flammable & environmentally friendly.

Size	Part No.
5 litre bottle	800049
20 litre bottle (valve tap included)	800050

BOSS Tip Dip Gel

Part No. 800055

Non toxic water based dipping gel for the prevention of weld spatter adherence to MIG torch parts. This silicon free compound is used to prolong the life of nozzles & tips. 400gr jar 12 jars/ctn.





CLAMPS

4-in-1 Clamp

4 functions, 1 clamp.

The most versatile sliding arm clamp on the market.

- Available in 15cm, 18cm, 23cm, 28cm, jaw openings
- V pad for pipes & extender block included
- Extender block allows for access in step-over applications
- Removable, reversible arm for spreading
- Threaded hole on base for mounting both attachments, in either clamping direction
- Opening is with no attachments connected.

Opening (mm)	Throat (mm)	Clamp Force (Kg)	Extender Block Length (mm)	Part No.
150	90	210	25	88VS7101
180	120	450	50	88VS7102
230	120	550	50	88VS7103
280	140	1100	50	88VS7104



CLAMPS

Heavy Duty Utility Clamp

Super heavy duty!

Extra large, extra strong, sliding arm clamps.

- Available in 32cm & 52cm jaw openings
- Removable, reversible arm for spreading
- Durable, rigid 42mm x 20mm cross section
- Oversize, heavy duty swivel pad
- Hex head to allow tightening using spanner
- Replacement pads & spindles available
- V-pads & extension blocks sold separately
- Clamp force 2200Kg.

Opening (mm)	Throat (mm)	Part No.
320	180	88VS7601
520	180	88VS7603





CLAMPS

Mag-Spring Clamp

One-hand operation!
Quick & easy.

- Stays in place while you tighten
- Ideal for one handed clamping
- Adjustable magnetic V-Pad, instantly adjusts to fit different shapes – round, flat or square surfaces.

Capacity (mm)	Throat Depth (mm)	Clamping Pressure (Kg)	Part No.
90	89	230	88VS7111
140	89	230	88VS7112



Stays in place while you tighten. Ideal for one-handed clamping



The adjustable magnet pad can securely hold on to angle iron



CLAMPS

Shark Clamp

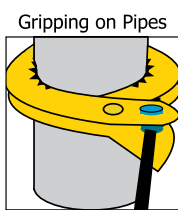
Workshop necessity.
Quick & precise scissor action clamp.

- Quick acting
- Floating grip pads & inside grip teeth
- Single-hand operation
- Curved clamp arm allows step-over reach on objects such as I-beams
- Ideal for clamping odd shapes together or even clamping pipes together.

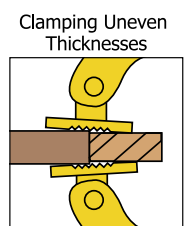
Style	Clamp Pressure (Kg)	Opening (mm)	Part No.
T-Handle	450	160	88VS7123



Clamping Angles



Gripping on Pipes



Clamping Uneven Thicknesses



Step-Over Clamping





CLAMPS

Ratchet Clamp

Ratchet action utility clamp.
High pressure clamping with strong holding power.

- Specially designed ratchet action mechanism ensures:
 - Rapid clamping
 - Vibration & torsion resistance
- Removable clamp arm
- Made of heat treated steel & nickel/chrome plated for strength & durability.

Capacity (mm)	Throat (mm)	Rail size (mm)	Clamping Pressure (Kg)	Part No.
175	120	22 x 11	450	88VS7165
254	120	22 x 11	450	88VS7175



MAGNETS

Magnet Level

Every tradesman should have one.
Worry free level sticks to steel structures.

- Exclusive magnet with ON/OFF switch
- Attach to flat & round surfaces
- Switch makes it easy to position & easy to clean
- 3 bubble vials
- Frees up hands while beams, posts or sections are being aligned.

Angle (Degrees)	Length (mm)	Mag Force (Kg)	Part No.
0 – 45 – 90	390	22	88VS7201



MAGNETS

BOSS Magnetic Holder

Part No. 800104
Magnetic welders square. 100mm.



Adjust-0 Magnet Square

Heavy duty magnet square.
The exclusive magnet with an ON/OFF switch.

- Easy safe set-up: switch off, switch on
- Simple to clean, switch off then wipe away
- Ideal for round & square tubing, angle & flat bar
- Hold workpieces at 45° & 90°.

Angle (Degrees)	Size (mm)	Mag Force (Kg)	Part No.
45 – 90	95 x 110 x 30	36/32/32	88VS7221
45 – 90	130 x 150 x 35	62/54/54	88VS7222





MAGNETS

Multi-Angle Magnet

Added features.
Quality construction.

- 30/60° edge, with the standard 45° & right angles
- Large centre hole for easier handling
- Two riveted holes for linking magnets together
- Available in mini size.

Angle (Degrees)	Size (mm)	Mag Force (Kg)	Part No.
45 – 60 – 90	140 x 110 x 20	25/27/36	88VS7241



Mini Magnets

Mini multi-angled magnets.
The handy, take-along magnets in a convenient 6-pack!

- 30/60° edge, with the standard 45° & right angles
- Large centre hole for easier handling
- Two riveted holes for linking magnets together
- Useful in light duty applications.

Angle (Degrees)	Size (mm)	Mag Force (Kg)	Part No.
45 – 60 – 90	50 x 60 x 14	4.5/12.5	88VS7251
Counter display box containing 6 pcs			88VS7252



MAGNETS

Adjust-0 Dual Switch Magnet

Super heavy duty for professional jobs.
Our strongest magnet yet.

- For professional jobs that demand strong hold down forces
- Hold both flat & round surfaces
- Nickel/chrome plated body.

Angle (Degrees)	Size (mm)	Mag Force (Kg)	Part No.
90	195 x 195 x 48	68	88VS7301
90	153 x 153 x 38	46	88VS7302



Snake Magnet

Adjust to any angle, anywhere!
Hundreds of uses.

- Part No. 88VS7331
- 460mm Flex cable links the two magnets
 - Hold flat plates, small tubes, any object, anywhere
 - Can be used to hold small parts & tools
 - Easy adjustment, great for small bench top jobs.





PLIERS

Pipe Pliers

All the Stronghand features!
The new convenient way to weld pipe/tube!

- Available in two sizes
- Made of high strength treated steel
- Nickel/chrome plated body
- V-pads tilt to pipe diameter
- Stainless steel V-pads sold separately.

Description	Min – Max Pipe Diameter (mm)	Part No.
VS7401 Pliers with V-Pads	25 – 50	88VS7441
VS7402 Pliers with V-Pads	40 – 75	88VS7442



Locking C-Clamp Pliers

Super strength!
For the professional & DIY Handyman.

- Forged, rugged round tip pliers
- The easiest to use
- Deeper than normal throat for versatility
- Made of high strength treated steel
- Nickel/chrome plated body
- Large riveted tilting pads.

Length (mm)	Throat (mm)	Opening (mm)	Part No.
300	80	100	88VS7422



PLIERS

Expanding Pliers

All the Stronghand features!
The only expanding action pliers on the market!

- Useful for holding work between walls & frames
- For fitting parts & fixing alignment problems
- For over-bent sheet metal & auto body working
- Tilting pad on one jaw & adjustable screw on the other.

Length (mm)	Stroke (mm)	Part No.
165	25 – 70	88VS7451
265	33 – 135	88VS7452



CLAMPS

Half Clamp

The clean, easy & safe way to align materials.

Part No. 88VS7501

- The Dog & Wedge methods of material alignment are messy, time consuming & unsafe!
- The Half Clamp is the NEW & BEST way to align materials
- Align materials in fabrication of tanks, bulkheads, deck sections, flat plates etc
- Ideal for fabricators, repairmen, ship & barge builders.



How to Use

Tack weld a piece of 1 1/2" pipe to the lower of the two surfaces

Slide the 1/2 Clamp onto the pipe, crank handle to align materials

Use the rear slot on the 1/2 Clamp body to break off the pipe. Rotate pipe and re-use



CLAMPS

Side Clamp

Ideal jig-fixture, clamp sideways.

Part No. 88VS7502

- Build push-action clamp to custom heights
- Fit standard 38mm pipe or any cut length to the clamp body & base
- Base can be bolt-mounted to the table
- For shorter height or applications without too much push force, the pipe can be directly tack-welded to the metal plate
- V-Pad VS7920 optional.



2-Axis Welder's Angle Clamp

The best, secure, right angle clamping vise. Made from machined cast iron.

- Machined outside faces – usable for upright joints
- Stand-off increases access
- Quick acting screw button, as seen on Shark Clamp
- Standard & large sizes available.

Mitre Joints (A) (mm)	Jaw Length (B) (mm)	T Clearance (C) (mm)	Jaw Height (D) (mm)	Part No.
95	120	62	35	88VS7521
120	135	100	63	88VS7522



CLAMPS

3-Axis Welder's Angle Clamp

The frame builder/welder's ultimate tool.

- All the great features of the 2-Axis Clamp
- Plus a 3rd axis arm which swings out to allow quick & easy removal
- Hold a three axis workpiece in position for welding & leave clamped during cool down to minimize distortion due to contraction.

Mitre Joints (A) (mm)	Jaw Length (B) (mm)	T Clearance (C) (mm)	Jaw Height (D) (mm)	Part No.
95	120	62	35	88VS7531
120	135	100	63	88VS7532



Nomad Economy Welding Table

Compact, sturdy, portable work table. Turn 90 each way for horizontal weld in all positions.

Part No. 88VS7541

Nomad Welding Table can hold work pieces at any point using tools in this section.



