



***sutton**tools*

WORKSHOP TOOLS

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WORKSHOP TOOLS

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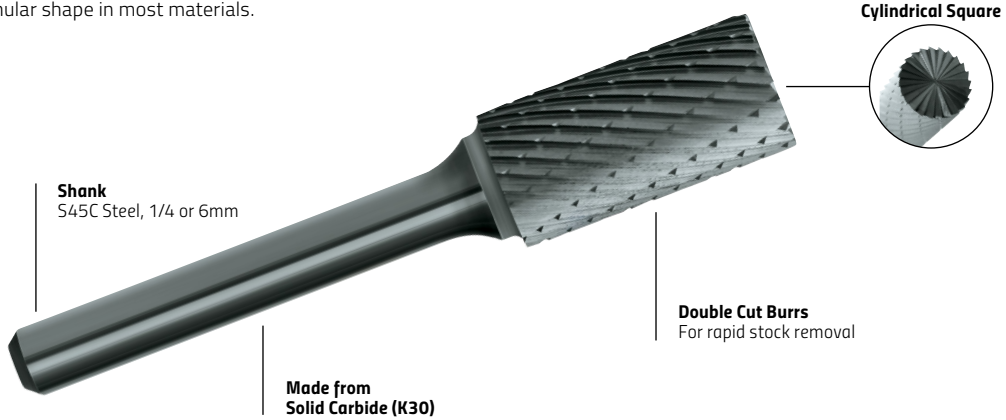
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Carbide Burrs Double Cut



For shaping or forming metal, to use in air and electric die grinders.
 Double Cut: Allows for rapid stock removal in harder materials.
 The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape in most materials.



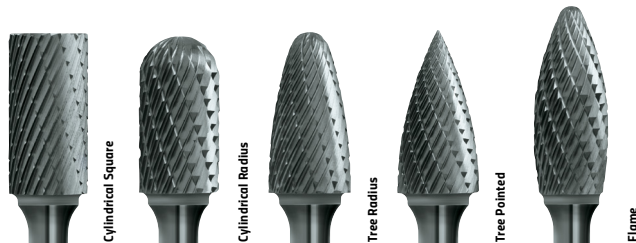
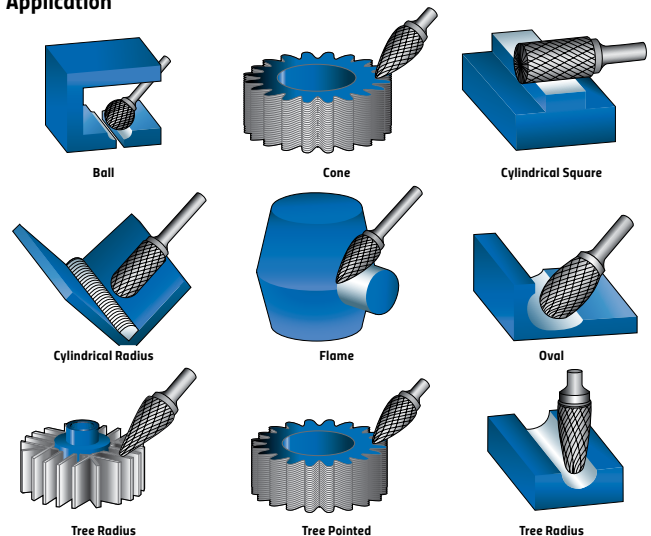
Discount Group: B0102

Size	Length	Shank	Item #	Barcode
1/4" Shank^				
Cylindrical (Square)				
6.35	16	1/4	918CS0616S	9311744437122
8	20	1/4	918CS0820S	9311744437139
12	25	1/4	918CS1225S	9311744437146
Cylindrical (Radius)				
6.35	16	1/4	918CR0616S	9311744437153
10	20	1/4	918CR1020S	9311744437160
12	25	1/4	918CR1225S	9311744437177
Tree (Radius)				
6.35	16	1/4	918TR0618S	9311744437184
10	20	1/4	918TR1020S	9311744437191
12	25	1/4	918TR1225S	9311744437207
Tree (Pointed)				
6.35	16	1/4	918TP0618S	9311744437214
10	20	1/4	918TP1020S	9311744437221
12	25	1/4	918TP1225S	9311744437238
Flame				
6.35	16	1/4	918FM0618S	9311744438075
8	20	1/4	918FM0820S	9311744438082
12	30	1/4	918FM1230S	9311744438099
5 Piece Set				
12mm x Cylindrical (Square), Cylindrical (Radius), Tree (Radius), Tree (Pointed) & Flame			918CRSET5S	9311744438112

Size	Length	Shank	Item #	Barcode
6mm Shank^				
Cylindrical (Square)				
6.35	16	6	918CS06166	9311744437566
8	20	6	918CS08206	9311744437573
12	25	6	918CS12256	9311744437580
Cylindrical (Radius)				
6.35	16	6	918CR06166	9311744437597
10	20	6	918CR10206	9311744437603
12	25	6	918CR12256	9311744437610
Tree (Radius)				
6.35	16	6	918TR06186	9311744437627
10	20	6	918TR10206	9311744437634
12	25	6	918TR12256	9311744437641
Tree (Pointed)				
6.35	16	6	918TP06186	9311744437658
10	20	6	918TP10206	9311744437665
12	25	6	918TP12256	9311744437672
Flame				
8	20	6	918FM08206	9311744438051
5 Piece Set				
12mm x Cylindrical (Square), Cylindrical (Radius), Tree (Radius), Tree (Pointed) & Flame			918CRSET5M	9311744438105

Diameter	Double Cut
Ø 6.35mm	22,000 RPM
Ø 8mm	20,000 RPM
Ø 10mm	18,000 RPM
Ø 12mm	16,000 RPM

Application



^New look packaging depicted. Actual product packaging may differ from image shown.

Air Tools Die Grinder Kit

suttontools

Sutton Tools Die Grinder is the perfect tool for detailed metal or woodwork providing precise clean cuts. Use it with Sutton Tools range of carbide burrs to sculpt and shape harder materials.

Suitable for grinding back and neatening welds, porting, polishing and woodworking applications.



Specifications:



- Collet capacity: 1/8", 1/4", 3mm, 6mm
- No load speed: 25,000 RPM
- Air Pressure: 90 PSI
- Overall Length: 165mm
- Net Weight: 557g



Discount Group: B0102

Description	Contents	Item #	Barcode
Die Grinder Kit	Pneumatic Die Grinder, 4 Collets: 1/8", 1/4", 3mm, 6mm 2 x Wrenches	B902 0002	B902 9311963613628

Recommended Cutting Speeds (RPM) – Standard Length Burrs

Diameter	 Steels & Alloys  Stainless Steel  Aluminium			Max RPM
	Double Cut	Double Cut	Aluminium Cut	
1/16	33,000	50,000	-	78,000
3/32	26,000	40,000	-	60,000
1/8	23,000	35,000	-	53,000
3/16	17,000	25,000	-	38,000
1/4	15,000	22,000	30,000	33,000
5/16	13,000	20,000	25,000	30,000
3/8	12,000	18,000	20,000	27,000
7/16	11,500	17,000	18,000	26,000
1/2	11,000	16,000	15,000	24,000
5/8	10,000	15,000	12,000	23,000
3/4	9,000	14,000	10,000	21,000
7/8	8,500	13,000	-	20,000
1	8,000	12,000	-	18,000

Note: Reduce cutting speeds by 50% when using long shank carbide burrs.

Abrasives Mounted Stone Set



Popular shapes for grinding and sharpening.

Contents:

- 2 x Cylindrical Radius End: 13, 14mm
- 2 x Cylindrical: 10, 25mm
- 1 x Tree 60°: 20mm
- 3 x Tapered: 13, 14, 25mm
- 2 x Ball: 10, 25mm



Discount Group: Z1007

Description	Item #	Barcode
10 Pce Mounted Stone Set	166044671	9311744446711

Cutting Lubricants Fluid, Paste & Spray, Venom

suttontools *Venom*

Venom Endurance+ Cutting Fluid

Venom Endurance+ Cutting Fluid is a highly efficient cutting and lubricating fluid. Formulated to increase tool life and enhance cutting performance in a broad range of metals including carbon steel, aluminium alloys, copper, brass, bronze and stainless steel. Mild clinging action helps fluid adhere to the tool and part when vertical work is required.

Venom Extreme Power Cutting Paste

Formulated for superior tool life and cutting performance in carbon steel, aluminium alloys, copper, bronze, stainless steel, nickel, titanium and other super alloys.

Venom Extreme Power Cutting Paste is a high performance low melting point lubricant specifically designed to adhere to the cutting edges, even when using additional coolants.



Application

Cutting
Drilling
Tapping
Milling
Broaching
Reaming
Threading
Sawing
Boring
Lathe turning
Holesaw cutting

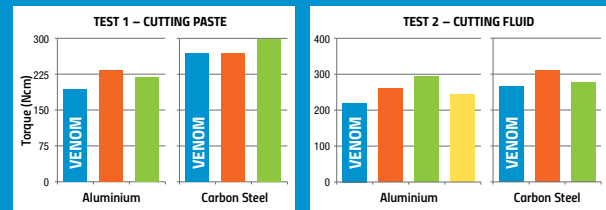
Discount Group: Z1006

Size	Description	Item #	Barcode
M800			
400g	Venom Cutting Paste	M800 0400	9311963570310
50ml	Venom Cutting Fluid**	M800 0050	9311963581859
250ml	Venom Cutting Fluid	M800 0250	9311963434278
4L	Venom Cutting Fluid	M800 4000	9311963570327
300g	Venom Cutting Spray*	M800 0300	9311963595320

*Only available in multiples of 6

**Only available in multiples of 12

Tests indicate Sutton Tools Venom requires less torque – it performed up to 30% better than its competitors



Tests were conducted using a M6 forming tap in Carbon Steel and Aluminium. The results clearly indicate less torque* was required using Sutton Tools Venom Cutting Fluid and Paste compared with leading brands on the market.

*Less torque indicates improved performance.

Legend:
■ Venom
■ Competitor X
■ Competitor Y
■ Competitor Z

EXTREME POWER CUTTING PASTE

Features

- Low melting point – adheres to cutting edge for greater tool protection
- Not affected by coolant
- Lowest torque required for higher performance
- Reduced friction for extremely high quality surface finish



M800 0400

ENDURANCE+ CUTTING FLUID

Features

- Reduces torque and friction
- Extends tool life
- Improves surface finish
- Accurate thread quality
- Environmentally friendly mineral oil base with 10% organic coconut oil. Free from Trichloroethane – low odour.



M800 0050



M800 0250



M800 4000

ENDURANCE+ CUTTING SPRAY

Features

- Comfort nozzle allows an accurate spray flow in hard-to-reach working areas
- Precise spray flow within 1.5m range
- Non-flammable
- Reduces torque and friction
- Extends tool life
- Improves surface finish
- Accurate thread quality
- Environmentally friendly mineral oil base with 10% organic coconut oil. Free from Trichloroethane – low odour.
- Suitable for use in non-ventilated areas



M800 0300

Black Book

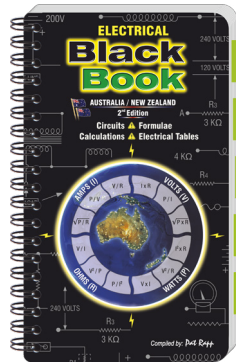
The ultimate reference books ideal for engineers, trades people, apprentices, machine shops, tool rooms and technical colleges

- Pocket Sized ▪ Grease / Tear Proof ▪ Lay-Flat Format



L100V3EN

L103V3EN



L300V2EN



L200V1EN

Engineers Black Book - 234 Pages of:

- Tables
- Standards
- Illustrations
- Grinding wheels
- Conversion factors
- Tapers
- Lubricants-coolants
- Bolts & nuts
- Spur gear calculations
- Tungsten carbide
- Plastics
- Sharpening information
- G Codes
- Hardening & tempering
- Formulae
- Geometrical construction
- Weights of metal
- Engineering drawing standards
- Tolerances
- Keys & keyways
- Tapping drill sizes
- Speeds & feeds
- Equivalent charts
- ... & more

Electrical Black Book - 212 Pages of:

- Electrical safety laws of electricity
- electrical conductors
- Electrical codes & standards
- Electrical conduit & conduit bending
- Electrical formulae & conversion factors
- transformers & motors
- Electrical socket-outlets, switches & enclosures
- Led lighting, fibre optics & data cabling
- ...& more

Fastener Black Book - 248 Pages of:

- Screw thread fundamentals
- Standards
- Heat treatment
- Thread classes
- Grades
- Materials & coatings
- Failures & corrosion
- Thread terminology
- Tolerances
- Fastener strengths & markings
- Hydrogen embrittlement
- Screw thread profiles
- Dimensional Specifications DIN / ISO / ANSI
- Galling
- Material selection
- Torque control
- Platings
- Elevated temperature effects

Discount Group: Z0502

Description	Edition	Pages	Carton Qty	Bonus	Item #	Barcode
Engineers Black Book	3rd	234	40	Tabs	L100V3EN	9781921722349
Engineers Black Book - Large Edition	3rd	234	20	Tabs	L103V3EN	9781921722370
Electrical Black Book	2nd	212	40	Tabs	L300V2EN	9781921722516
Fasteners Black Book	1st	248	40	Thread Pitch Gauge	L200V1EN	9780958057134

