

Sets & Merchandisers



SCB100



SCB300



SCB5

Size Ref.	Description	d ₁	Qty	Item #
Bur Sets Imperial				
SCB100	SA100, SC100, SD100, SF100, SC1AC	1/4	5	B900 SCB100
SCB300	SA300, SC300, SD300, SF300, SC3AC	3/8	5	B900 SCB300
SCB500	SA500, SC500, SD500, SF500, SC5AC	1/2	5	B900 SCB500
SCB5	SA300, SC300, SC500, SF300, SF500	3/8 & 1/2	5	B900 SCB5
SCB5A	SA300, SA500, SC300, SC500, SF300	3/8 & 1/2	5	B900 SCB5A
SCB6	SA430, SC420, SD420, SF420, SG430, SL420	1/8	6	B900 SCB6
Bur Sets Metric				
SCB5A	SA300, SA500, SC300, SC500, SF300	3/8 & 1/2	5	B901 SCB5A
Bur Merchandiser				
BM20	Display stand 499999835 SA100, SA300, SA500, SC500, SD100, SD300, SF100, SF300, SF500, SH500, SL200, SL300, SL400, SL600	Small insert 499999837	20	B900 BM20 (Imperial) B901 BM20 (Metric)
BM98	Display stand 499999835 SA100, SA140, SA200, SA600, SC100, SC200, SC500, SC600, SD100, SD500, SE100, SE300, SF100, SF300, SF400, SG130, SG200, SG300, SH500, SH600, SL100, SL400, SL600, SM300, SM600, SA3AC, SC1AC, SD3AC, SF3AC, SF5AC, SF6AC, SL4AC	Large insert 499999839	50	B900 BM98 (Imperial) B901 BM98 (Metric)



B900 BM20
B901 BM20



B900 BM98
B901 BM98

Application



Double Cut

The double cut bur allows for rapid stock removal in the harder materials. The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials, thereby reducing or eliminating the sharp sliver chips that are normally experienced.

This chip reduction also helps eliminate loading of the flutes.

An improvement in tool control will be realised as the double cut tends to reduce the pulling action of the main flute pattern.

Although some finish reduction may be experienced, improvement in material removal and, therefore, increased production will be realised.

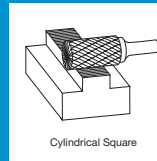


Aluminium Cut

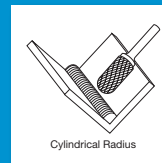
This flute pattern is recommended for rapid material removal of aluminium or other soft materials such as brass, copper and plastics that would normally load other cuts.

The extra deep flute structure should eliminate bur loading.

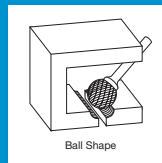
Carbide burs are used in various applications for deburring, cylinder head porting, mould making, tool & die, metalworking, tool grinding, foundry, aerospace, automotive, dental laboratory, wood carving, farriers, metal smithing, sculpting, welding, chamfering, jewellery manufacturing, die & metal casting.



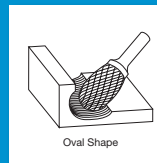
Cylindrical Square



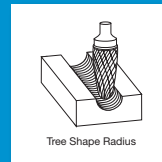
Cylindrical Radius



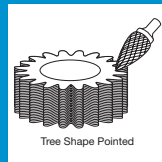
Ball Shape



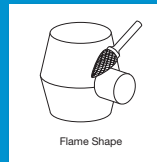
Oval Shape



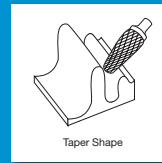
Tree Shape Radius



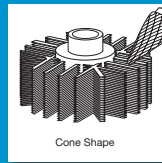
Tree Shape Pointed



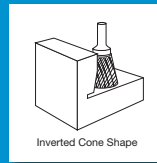
Flame Shape



Taper Shape



Cone Shape



Inverted Cone Shape

Usage Guide

Recommended Cutting Speeds (RPM) - Standard Length Burs

Ø	Double Cut		Aluminium Cut	Max RPM
	Steels, alloys & non-ferrous	Stainless Steel	Aluminium	
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: Recommend reduce speeds by 50% when using long shank carbide burs.

Safety Tips

- Eye protection must be worn at and around bur application
- For use in air & electric die grinders, do not use in conventional electric drills as insufficient speed can cause breakage
- Chuck carbide bur to full capacity of machine chuck
- Do not use driving tool with worn bearings
- Endeavour to use double cut wherever possible as standard cut can produce harmful slivers

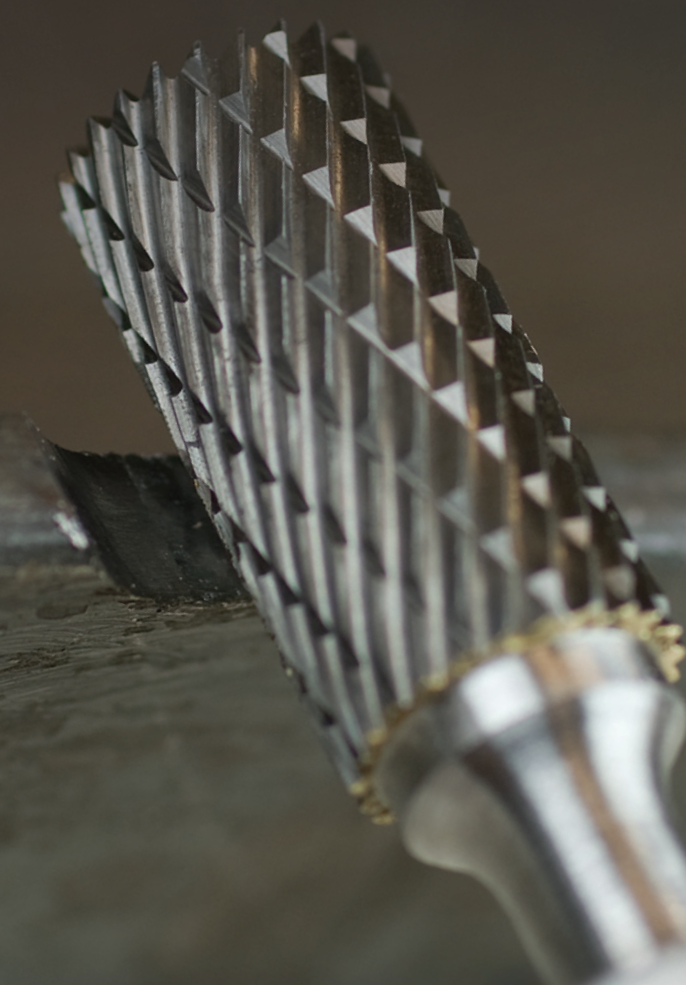
Hints for Use

- Position bur in drive as close as possible to head of collet
- Allow tool to do its own cutting – do not force the cut or use excessive pressure
- Allow tool to be running at full speed before making contact with the work piece
- To prevent loading on aluminium burs – coat bur with bees wax or oven cleaner before use
- If sparks are evident in use, either bur is dull and should be replaced or material is too hard

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CARBIDE BURS

Product Range



suttontools
world class cutting tools



Cylindrical Square End



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Item #, Item #. Rows include Double Cut (SA410 to SA900), Aluminium Cut (SA1AC to SA7AC), and Long Reach (SA3L6, SA5L6).

Cylindrical Radius End



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Item #, Item #. Rows include Double Cut (SC410 to SC700), Aluminium Cut (SC1AC to SC7AC), and Long Reach (SC3L6, SC5L6).

*1/8" or 3mm shank. *Not available once current stock is depleted.

Ball Shape



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Item #, Item #. Rows include Double Cut (SD410 to SD900), Aluminium Cut (SD1AC to SD7AC), and Long Reach (SD3L6, SD5L6).

Oval Shape



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Item #, Item #. Rows include Double Cut (SE410 to SE700), Aluminium Cut (SE3AC, SE5AC, SE6AC).

*1/8" or 3mm shank. *Not available once current stock is depleted.

Tree Shape Radius End



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Item #, Item #. Rows include Double Cut (SF410 to SF150), Aluminium Cut (SF1AC to SF6AC), and Long Reach (SF3L6, SF5L6).

Tree Shape Pointed End



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Item #, Item #. Rows include Double Cut (SG410 to SG150).

Flame Shape



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Item #, Item #. Rows include Double Cut (SH410 to SH700).

*1/8" or 3mm shank. *Not available once current stock is depleted.

Taper Shape



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Angle, Item #, Item #. Rows include Double Cut (SL410 to SL700), Aluminium Cut (SL4AC, SL6AC, SL7AC), and Long Reach (SL3L6).

Cone Shape



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Angle, Item #, Item #. Rows include Double Cut (SM420 to SM600).

Inverted Cone Shape



1/4" Shank 6mm Shank

Table with columns: Size Ref., d1, d1 metric, l1, l2, Angle, Item #, Item #. Rows include Double Cut (SN420 to SN700).

*1/8" or 3mm shank. *Not available once current stock is depleted.