



***sutton**tools*

CARBIDE BURRS

- Double Cut ▪ Aluminium Cut ▪ Comprehensive range of shapes
- Standard & extra length available ▪ Sets ▪ Die Grinder Kit

ISO	VDI	Material Group	Sutton
P	A	Steel	N
M	R	Stainless Steel	VA
K	F	Cast Iron	GG
N	N	Non-Ferrous Metals, Aluminiums & Coppers	Al W
S	S	Titaniums & Super Alloys	Ti Ni
H	H	Hard Materials (≥ 45 HRC)	H

^ VDI 3323 material groups can also be determined by referring to the material cross reference listing in the application guide at the back of this catalogue.

For expert tooling recommendations, go to:
www.suttontools.com/expert-tool-selector

1/4"

6mm

166	166	166	168	168	168	170	170	170
167	167	167	169	169	169	171	171	171
B200	B210	B215	B201	B211	B216	B202	B212	B217
B300		B315	B301		B316	B302		B317
VHM			VHM			VHM		
Brt			Brt			Brt		
Steel		Aluminium	Steel		Aluminium	Steel		Aluminium
Sutton Standard			Sutton Standard			Sutton Standard		
Double Cut		Al Cut	Double Cut		Al Cut	Double Cut		Al Cut

Catalogue Code (1/4" Shank)

Catalogue Code (6mm Shank)

Material

Surface Finish

Sutton Designation

Standard

Geometry

ISO	VDI [^] 3323	Material	Condition	HB	N/mm ²								
P	1	Steel - Non-alloy, cast & free cutting	~ 0.15 %C	A	125	440	●	●	○	●	●	○	●
	2			A	190	640	●	●	○	●	●	○	●
	3		~ 0.45 %C	QT	250	840	●	●		●	●		
	4			A	270	910	●	●		●	●		
	5			QT	300	1010	○	○		○	○		
	6	Steel - Low alloy & cast < 5% of alloying elements	~ 0.75 %C	A	180	610	●	●	○	●	●	○	●
	7			QT	275	930	●	●		●	●		
	8			QT	300	1010	○	○		○	○		
	9			QT	350	1180	○	○		○	○		
	10	Steel - High alloy, cast & tool		A	200	680	○	○		○	○		
	11			HT	325	1100	○	○		○	○		
	12			A	200	680	○	○		○	○		
M	13	Steel - Corrosion resistant & cast	Ferritic / Martensitic	QT	240	810	○	○		○	○		
	14.1		Martensitic				○	○		○	○		
	14.2	Stainless Steel	Austenitic	AH	180	610	●	●		●	●		
K	14.3		Duplex		250	840	○	○		○	○		
	15	Cast Iron - Grey (GG)	Pearlitic		250	840	○	○		○	○		
	16		Ferritic		180	610	●	●		●	●		
	17	Cast Iron - Nodular (GGG)	Pearlitic		260	880	○	○		○	○		
	18		Ferritic		160	570	●	●		●	●		
N	19	Cast Iron - Malleable	Pearlitic		250	840	○	○		○	○		
	20		Ferritic		130	460	●	●		●	●		
	21	Aluminum & Magnesium - wrought alloy	Pearlitic		230	780	●	●		●	●		
	22		Ferritic										
	23	Aluminum & Magnesium - cast alloy ≤ 12% Si	Heat Treatable	AH	100	360				●			●
	24		Non Heat Treatable		75	270				●			●
	25	Al & Mg - cast alloy > 12% Si	Heat Treatable	AH	90	320				●			●
	26		Non Heat Treatable		130	460				●			●
	27	Copper & Cu alloys (Brass/Bronze)	Free cutting, Pb > 1%		110	390				○			○
	28		Brass (CuZn, CuSnZn)		90	320							
S	29	Bronze (CuSn)	Brass (CuZn, CuSnZn)		100	360				●			●
	30		Bronze (CuSn)										
	31	High temp. alloys	Non-metallic - Thermosetting & fiber-reinforced plastics										
	32												
	33		Non-metallic - Hard rubber, wood etc.										
	34												
	35												
	36	Titanium & Ti alloys	Fe based	A	200	680							
	37.1			AH	280	950							
	37.2		Ni / Co based	A	250	840							
	37.3			AH	350	1180							
	37.4		CP Titanium	C	320	1080							
	37.5												
H	38.1	Hardened steel	Alpha alloys		400 MPa								
	38.2		Beta alloys		860 MPa								
	39.1		Alpha / Beta alloys	A	960 MPa								
	39.2		Beta alloys	AH	1170 MPa								
	40		Beta alloys	A	830 MPa								
	41		Beta alloys	AH	1400 MPa								
H	38.1	Hardened steel	HT	45 HRC			○	○		○	○		
	38.2		HT	55 HRC			○	○		○	○		
	39.1		HT	58 HRC									
	39.2		HT	62 HRC									
	40	Cast Iron	Chilled	C	400	1350	○	○		○	○		
	41		HT	55 HRC			○	○		○	○		

Condition: A (Annealed), AH (Age Hardened), C (Cast), HT (Hardened & Tempered), QT (Quenched & Tempered)

172	172	174	174	174	176	177	178	178	178	180	181		
173		175		175	176	177	179			180			
													
B203	B218	B204	B213	B219	B205	B206	B207	B214	B220	B208	B209		
B303		B304		B319	B305	B306	B307			B308			
VHM		VHM		VHM	VHM	VHM			VHM	VHM			
Brt		Brt		Brt	Brt	Brt			Brt	Brt			
Steel	Aluminium	Steel		Aluminium	Steel	Steel	Steel		Aluminium	Steel	Steel		
Sutton Standard		Sutton Standard			Steel Sutton Standard	Steel Sutton Standard	Sutton Standard			Steel Sutton Standard	Steel Sutton Standard		
Double Cut	AI Cut	Double Cut		AI Cut	Double Cut	Double Cut	Double Cut		AI Cut	Double Cut	Double Cut		
												VDI 3323	ISO
●	○	●	●	○	●	●	●	●	○	●	●	1	P
●	○	●	●	○	●	●	●	●	○	●	●	2	
●		●	●	○	●	●	●	●		●	●	3	
●		●	●		●	●	●	●		●	●	4	
○		○	○		○	○	○	○		○	○	5	
●	○	●	●	○	●	●	●	●	○	●	●	6	
○		○	○		○	○	○	○		○	○	7	
○		○	○		○	○	○	○		○	○	8	
○		○	○		○	○	○	○		○	○	9	
○		○	○		○	○	○	○		○	○	10	
○		○	○		○	○	○	○		○	○	11	
○		○	○		○	○	○	○		○	○	12	
○		○	○		○	○	○	○		○	○	13	
●		●	●		●	●	●	●		●	●	14.1	M
○		○	○		○	○	○	○		○	○	14.2	
○		○	○		○	○	○	○		○	○	14.3	
●		●	●		●	●	●	●		●	●	15	K
○		○	○		○	○	○	○		○	○	16	
●		●	●		●	●	●	●		●	●	17	
○		○	○		○	○	○	○		○	○	18	
●		●	●		●	●	●	●		●	●	19	
●		●	●		●	●	●	●		●	●	20	N
	●			●					●			21	
	●			●					●			22	
	●			●					●			23	
	●			●					●			24	
	●			●					●			25	
	○			○					○			26	
												27	
	●			●					●			28	
												29	
												30	S
												31	
												32	
												33	
												34	
												35	
												36	
												37.1	
												37.2	
												37.3	
												37.4	
												37.5	H
○		○	○		○	○	○	○		○	○	38.1	
○		○	○		○	○	○	○		○	○	38.2	
												39.1	
												39.2	
○		○	○		○	○	○	○		○	○	40	
○		○	○		○	○	○	○		○	○	41	

182



B900 SCB100



B900 SCB300



B900 SCB500

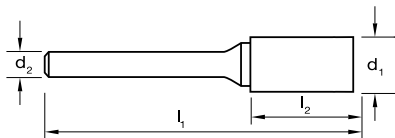


B900 SCB5

Carbide Burrs Cylindrical, Square End

suttontools

- Double Cut, 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.
- Al Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank

B200

B0102

VHM

Brt

Steel

Double Cut

1/4"

B215

B0102

VHM

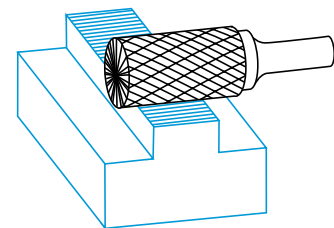
Brt

Aluminium

Al Cut

1/4"

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
IMPERIAL						
Double Cut						
SA410	1/16	1-1/2	1/4	1/8	B200 SA410	
SA420	3/32	1-1/2	7/16	1/8	B200 SA420	
SA430	1/8	1-1/2	9/16	1/8	B200 SA430	
SA510	1/4	2	3/16	1/8	B200 SA510	
SA140	3/16	2	5/8	1/4	B200 SA140	
SA100	1/4	2	5/8	1/4	B200 SA100	
SA200	5/16	2-1/2	3/4	1/4	B200 SA200	
SA300	3/8	2-1/2	3/4	1/4	B200 SA300	
SA400	7/16	2-3/4	1	1/4	B200 SA400	
SA500	1/2	2-3/4	1	1/4	B200 SA500	
SA600	5/8	2-3/4	1	1/4	B200 SA600	
SA700	3/4	2-3/4	1	1/4	B200 SA700	
SA900	1	2-3/4	1	1/4	B200 SA900	
Double Cut, Long Reach						
SA3L6	3/8	6-3/4	3/4	1/4	B210 SA3L6	
SA5L6	1/2	7	1	1/4	B210 SA5L6	
Aluminium Cut						
SA1AC	1/4	2	3/4	1/4		B215 SA1AC
SA3AC	3/8	2-1/2	3/4	1/4		B215 SA3AC
SA5AC	1/2	2-3/4	1	1/4		B215 SA5AC
SA6AC	5/8	2-3/4	1	1/4		B215 SA6AC
SA7AC	3/4	2-3/4	1	1/4		B215 SA7AC



Cylindrical Square

ISO	P													M			K					N										S										H									
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41		
B200	●	●	●	●	●	●	●	●	○	○	○	○	○	●	○	○	○	●	○	●	○	○	●																				○	○			○	○			
B210	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○																					○	○			○	○			
B215	○	○				○																	●	●	●	●	●	○		●																					
P		Steel		M		Stainless Steel		K		Cast Iron		N		Non-Ferrous Metals		S		Titanium & Super Alloys		H		Hard Materials																						●		Optimal		○		Effective	

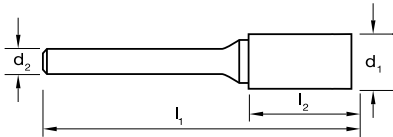
P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Cylindrical, Square End

suttontools

- Double Cut, 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.
- Al Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank

B300

B0102

VHM

Br

Steel

Double Cut
6mm

B315

B0102

VHM

Br

Aluminium

Al Cut
6mm

Size Ref.	d ₁	L ₁	L ₂	d ₂	Item #	Item #
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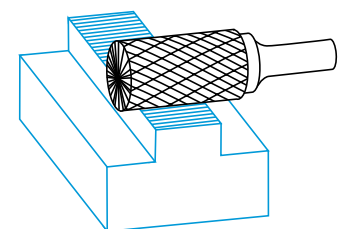
METRIC

Double Cut

SA140	4.8	51.0	15.9	6.0	B300 SA140	
SA100	6.0	51.0	15.9	6.0	B300 SA100	
SA200	7.9	64.0	19.1	6.0	B300 SA200	
SA300	9.5	64.0	19.1	6.0	B300 SA300	
SA500	13.0	70.0	25.4	6.0	B300 SA500	
SA600	15.9	70.0	25.4	6.0	B300 SA600	

Aluminium Cut

SA3AC	9.5	64.0	19.1	6.0		B315 SA3AC
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Cylindrical Square

ISO	P												M			K								N												S												H							
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41						
B300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
B315	○	○				○																	●	●	●	●	●	○		●													○	○		○	○								
P	Steel			M	Stainless Steel			K	Cast Iron			N	Non-Ferrous Metals			S	Titanium & Super Alloys			H	Hard Materials												●	Optimal		○	Effective																		

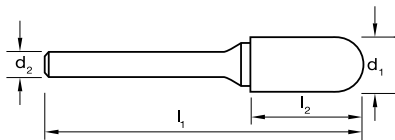
P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Cylindrical, Radius End

suttontools

- Double Cut, 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.
- Al Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank



B201

B216

B0102

B0102

VHM

VHM

Br

Br

Steel

Aluminium

Double Cut

Al Cut

1/4"

1/4"

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
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IMPERIAL

Double Cut

SC410	3/32	1-1/2	1/2	1/8	B201 SC410
SC420	1/8	1-1/2	1/2	1/8	B201 SC420
SC510	1/4	2	1/2	1/8	B201 SC510
SC120	1/8	2	1/2	1/4	B201 SC120
SC140	3/16	2	5/8	1/4	B201 SC140
SC100	1/4	2	5/8	1/4	B201 SC100
SC200	5/16	2-1/2	3/4	1/4	B201 SC200
SC300	3/8	2-1/2	3/4	1/4	B201 SC300
SC400	7/16	2-3/4	1	1/4	B201 SC400
SC500	1/2	2-3/4	1	1/4	B201 SC500
SC600	5/8	2-3/4	1	1/4	B201 SC600
SC700	3/4	2-3/4	1	1/4	B201 SC700

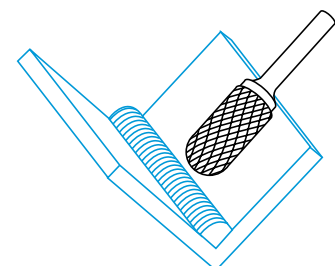
Double Cut, Long Reach

B211

SC3L6	3/8	6-3/4	3/4	1/4	B211 SC3L6
SC5L6	1/2	7	1	1/4	B211 SC5L6

Aluminium Cut

SC1AC	1/4	2	5/8	1/4	B216 SC1AC
SC3AC	3/8	2-1/2	3/4	1/4	B216 SC3AC
SC5AC	1/2	2-3/4	1	1/4	B216 SC5AC
SC7AC	3/4	2-3/4	1	1/4	B216 SC7AC



Cylindrical Round

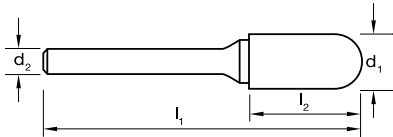
ISO	P													M			K					N										S										H								
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41	
B201	●	●	●	●	○	●	●	○	○	○	○	○	○	●	○	○	●	○	●	○	○	●	●																					○	○			○	○	
B211	●	●	●	●		●	○	○	○	○				●	○			○	○	●	○	○	●																						○	○			○	○
B216	○	○				○																		●	●	●	●	●	○		●																			

P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

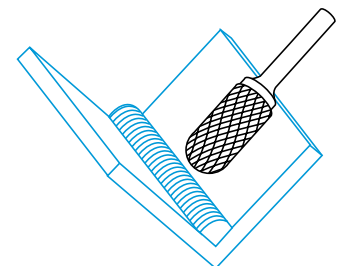
● Optimal ○ Effective

suttontools

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Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
METRIC						
Double Cut						
SC100	6.0	51.0	15.9	6.0	B301 SC100	
SC200	7.9	64.0	19.1	6.0	B301 SC200	
SC300	9.5	64.0	19.1	6.0	B301 SC300	
SC400	11.1	70.0	25.4	6.0	B301 SC400	
SC500	12.7	70.0	25.4	6.0	B301 SC500	
SC600	15.9	70.0	25.4	6.0	B301 SC600	
Aluminium Cut						
SC1AC	6.0	51.0	15.9	6.0		B316 SC1AC*
SC3AC	9.5	64.0	19.1	6.0		B316 SC3AC
SC5AC	12.7	70.0	25.4	6.0		B316 SC5AC



Section Finder

ISO	P													M			K				N										S							H												
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41	
B301	●	●	●	●	●	●	○	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
B316	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

P

Steel

M

Stainless Steel

K

Cast Iron

N

Non-Ferrous Metals

S

Titanium & Super Alloys

H

Hard Materials

●

Optimal

○

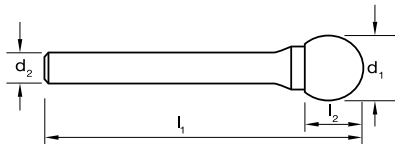
Effective

169

Carbide Burrs Ball Shape

suttontools

- Double Cut, 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.
- Al Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank

B202

B0102

VHM

Br

Steel

Double Cut

1/4"

B217

B0102

VHM

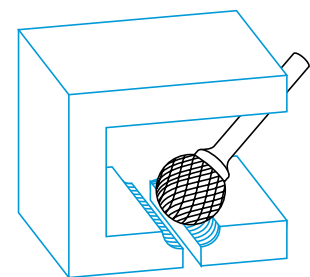
Br

Aluminium

Al Cut

1/4"

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
IMPERIAL						
Double Cut						
SD410	3/32	1-1/2		1/8	B202 SD410	
SD420	1/8	1-1/2		1/8	B202 SD420	
SD510	1/4	1-3/4		1/8	B202 SD510	
SD110	1/8	2		1/4	B202 SD110	
SD140	3/16	2		1/4	B202 SD140	
SD100	1/4	2		1/4	B202 SD100	
SD200	5/16	2-1/16		1/4	B202 SD200	
SD300	3/8	2-1/16		1/4	B202 SD300	
SD400	7/16	2-1/8		1/4	B202 SD400	
SD500	1/2	2-3/16		1/4	B202 SD500	
SD600	5/8	2-5/16		1/4	B202 SD600	
SD700	3/4	2-7/16		1/4	B202 SD700	
SD900	1	2-3/4		1/4	B202 SD900	
Double Cut, Long Reach						
SD3L6	3/8	6-3/4		1/4	B212 SD3L6	
SD5L6	1/2	6-1/2		1/4	B212 SD5L6	
Aluminium Cut						
SD1AC	1/4	2		1/4		B217 SD1AC
SD3AC	3/8	2-1/16		1/4		B217 SD3AC
SD5AC	1/2	2-3/16		1/4		B217 SD5AC
SD6AC	5/8	2-5/16		1/4		B217 SD6AC
SD7AC	3/4	2-7/16		1/4		B217 SD7AC



Ball Shape

ISO	P													M			K							N										S										H							
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41		
B202	●	●	●	●	●	●	●	○						●	○	○	●	○	●	○	●	○	●																				○	○			○	○			
B212	●	●	●	●	●	●	○							●	○	○	●	○	●	○	●	○	●																					○	○			○	○		
B217	○	○				○																		●	●	●	●	●	○		●																				
P		Steel		M		Stainless Steel		K		Cast Iron		N		Non-Ferrous Metals		S		Titanium & Super Alloys		H		Hard Materials																						●		Optimal		○		Effective	

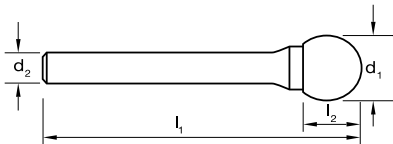
P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Ball Shape

suttontools

- Double Cut, 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.
- Al Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank

B302

B0102

VHM

Brt

Steel

Double Cut

6mm

B317

B0102

VHM

Brt

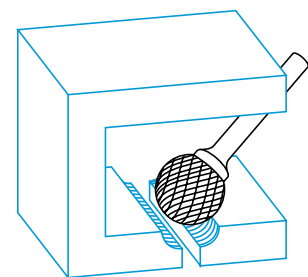
Aluminium

Al Cut

6mm

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
METRIC						
Double Cut						
SD140	4.5	51.0	6.4	6.0	B302 SD140	
SD100	6.0	51.0	5.6	6.0	B302 SD100	
SD300	9.5	52.0	7.9	6.0	B302 SD300	
SD500	12.7	56.0	11.1	6.0	B302 SD500	

Aluminium Cut						
SD3AC	9.5	52.0	7.9	6.0		B317 SD3AC



Ball Shape

ISO	P													M			K					N										S										H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
B302	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
B317	○	○				○																		●	●	●	●	○			●																○	○																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
P		Steel		M		Stainless Steel		K		Cast Iron		N		Non-Ferrous Metals		S		Titanium & Super Alloys		H		Hard Materials																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

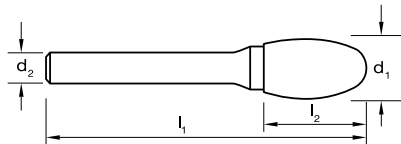
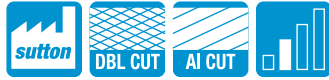
P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Oval Shape

suttontools

- Double Cut, 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.
- Al Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank

B203

B0102

VHM

Br

Steel

Double Cut

1/4"

B218

B0102

VHM

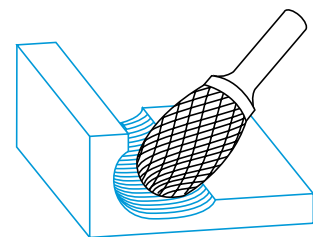
Br

Aluminium

Al Cut

1/4"

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
IMPERIAL						
Double Cut						
SE410	1/8	1-1/2	7/32	1/8	B203 SE410	
SE510	1/4	2-1/8	3/8	1/8	B203 SE510	
SE100	1/4	2	3/8	1/4	B203 SE100	
SE300	3/8	2-11/32	19/32	1/4	B203 SE300	
SE500	1/2	2-5/8	7/8	1/4	B203 SE500	
SE600	5/8	2-3/4	1	1/4	B203 SE600	
SE700	3/4	2-3/4	1	1/4	B203 SE700	
Aluminium Cut						
SE3AC	3/8	2-11/32	19/32	1/4		B218 SE3AC
SE5AC	1/2	2-5/8	7/8	1/4		B218 SE5AC
SE6AC	5/8	2-3/4	1	1/4		B218 SE6AC



Oval Shape

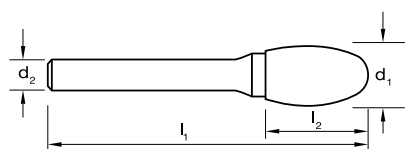
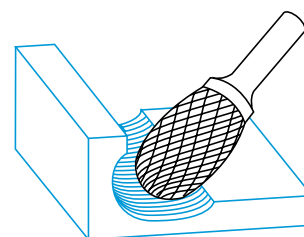
ISO	P													M			K					N										S										H								
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41	
B203	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
B218	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
P	Steel			M	Stainless Steel			K	Cast Iron			N	Non-Ferrous Metals			S	Titanium & Super Alloys										H	Hard Materials					●	Optimal		○	Effective													

P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

suttontools

-

[illegible]

Section Finder

ISO	P													M	K							N										S										H									
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41		
B303	●	●	●	●	●	●	●	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○																								○	○			○	○

P

 Steel

M

 Stainless Steel

K

 Cast Iron

N

 Non-Ferrous Metals

S

 Titanium & Super Alloys

H

 Hard Materials

●

 Optimal

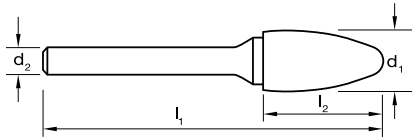
○

 Effective

Carbide Burrs Tree Shape, Radius End

suttontools

- Double Cut, 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.
- Al Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank



B204

B0102

VHM

Br

Steel

Double Cut

1/4"

B219

B0102

VHM

Br

Aluminium

Al Cut

1/4"

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
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IMPERIAL

Double Cut

SF410	1/8	1-1/2	1/4	1/8	B204 SF410	
SF420	1/8	1-1/2	1/2	1/8	B204 SF420	
SF510	1/4	2	1/2	1/8	B204 SF510	
SF100	1/4	2	5/8	1/4	B204 SF100	
SF300	3/8	2-1/2	3/4	1/4	B204 SF300	
SF400	7/16	2-3/4	1	1/4	B204 SF400	
SF500	1/2	2-3/4	1	1/4	B204 SF500	
SF600	5/8	2-3/4	1	1/4	B204 SF600	
SF700	3/4	2-3/4	1	1/4	B204 SF700	
SF140	3/4	2-3/4	1-1/4	1/4	B204 SF140	
SF150	3/4	3-1/4	1-1/2	1/4	B204 SF150	

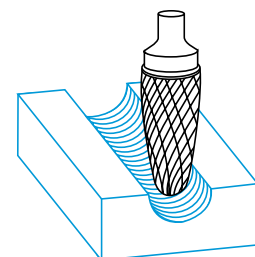
Double Cut, Long Reach

SF3L6	3/8	6-3/4	3/4	1/4	B213 SF3L6	
SF5L6	1/2	7	1	1/4	B213 SF5L6	

Aluminium Cut

SF1AC	1/4	2	3/4	1/4		B219 SF1AC
SF3AC	3/8	2-1/2	3/4	1/4		B219 SF3AC
SF5AC	1/2	2-3/4	1	1/4		B219 SF5AC
SF6AC	5/8	2-3/4	1	1/4		B219 SF6AC

B213



Tree Shape Radius

ISO	P													M			K					N										S										H							
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41
B204	●	●	●	●	○	●	●	○	○	○	○	○	○	●	○	○	●	○	●	○	○	●	●																				○	○			○	○	
B213	●	●	●	●		●	○	○	○	○				●	○		○	○	●	○	○	●	●																					○	○			○	○
B219	○	○				○																		●	●	●	●	●	○		●																		

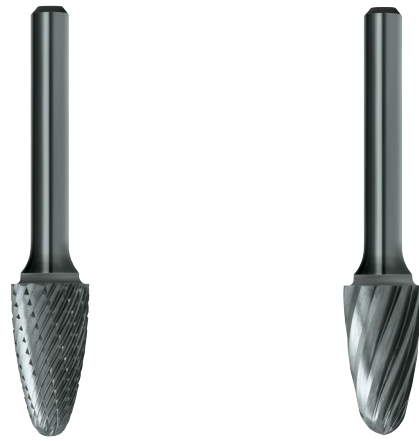
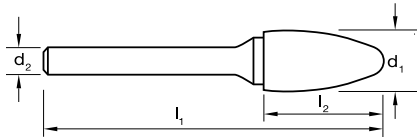
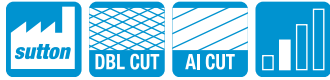
P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Tree Shape, Radius End

suttontools

- Double Cut, 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.
- Al Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank

B304

B0102

VHM

Br

Steel

Double Cut
6mm

B319

B0102

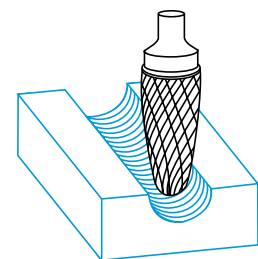
VHM

Br

Aluminium

Al Cut
6mm

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
METRIC						
Double Cut						
SF100	6.0	51.0	15.9	6.0	B304 SF100	
SF300	9.5	64.0	19.1	6.0	B304 SF300	
SF400	11.1	70.0	25.4	6.0	B304 SF400	
SF500	12.7	70.0	25.4	6.0	B304 SF500	
Aluminium Cut						
SF3AC	9.5	64.0	19.1	6.0		B319 SF3AC
SF5AC	12.7	70.0	25.4	6.0		B319 SF5AC
SF6AC	15.9	70.0	25.4	6.0		B319 SF6AC



Tree Shape Radius

ISO	P												M			K				N										S										H												
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41			
B304	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
B319	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
P	Steel				M	Stainless Steel				K	Cast Iron				N	Non-Ferrous Metals				S	Titanium & Super Alloys				H	Hard Materials					●	Optimal		○	Effective																	

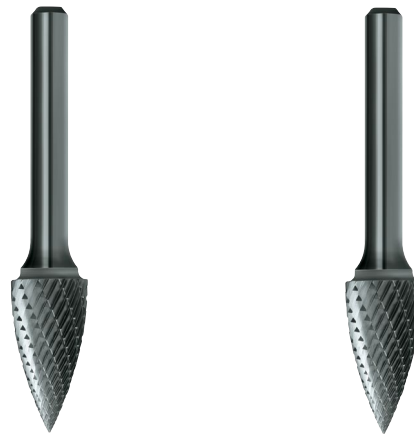
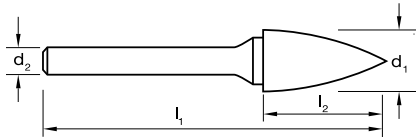
P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Tree Shape, Pointed End

suttontools

- Double Cut, 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.



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank

B205

B0102

VHM

Br

Steel

Double Cut

1/4"

B305

B0102

VHM

Br

Steel

Double Cut

6mm

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
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IMPERIAL

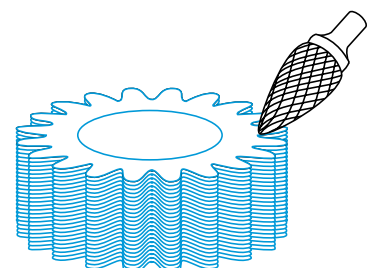
Double Cut

SG410	1/8	1-1/2	1/4	1/8	B205 SG410	
SG430	1/8	1-1/2	3/8	1/8	B205 SG430	
SG510	1/4	2	1/2	1/8	B205 SG510	
SG100	1/4	2	5/8	1/4	B205 SG100	
SG200	5/16	2-1/2	3/4	1/4	B205 SG200	
SG300	3/8	2-1/2	3/4	1/4	B205 SG300	
SG130	1/2	2-1/2	3/4	1/4	B205 SG130	
SG500	1/2	2-3/4	1	1/4	B205 SG500	
SG600	5/8	2-3/4	1	1/4	B205 SG600	
SG700	3/4	2-3/4	1	1/4	B205 SG700	
SG150	3/4	2-3/4	1-1/2	1/4	B205 SG150	

METRIC

Double Cut

SG100	6.0	51.0	15.9	6.0		B305 SG100
SG200	7.9	64.0	19.1	6.0		B305 SG200
SG300	9.5	64.0	19.1	6.0		B305 SG300
SG130	12.7	64.0	19.1	6.0		B305 SG130
SG500	12.7	70.0	25.4	6.0		B305 SG500



Tree Shape Pointed

ISO	P													M	K					N											S										H								
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41
B205	●	●	●	●	○	●	●	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○																				○	○		○	○		
B305	●	●	●	●	○	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○																						○	○		○	○	

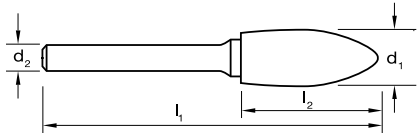
P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Flame Shape

suttontools

- Double Cut, 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.



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank

B206
B0102
VHM
Br
Steel
Double Cut
1/4

B306
B0102
VHM
Br
Steel
Double Cut
6mm

Size Ref.	d ₁	l ₁	l ₂	d ₂	Item #	Item #
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IMPERIAL

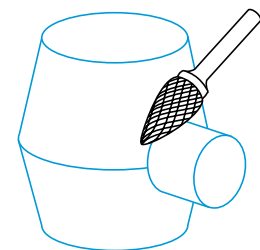
Double Cut

SH410	1/8	1-1/2	1/4	1/8	B206 SH410	
SH100	1/4	2	5/8	1/4	B206 SH100	
SH200	5/16	2-1/2	3/4	1/4	B206 SH200	
SH500	1/2	3	1-1/4	1/4	B206 SH500	
SH600	5/8	3-3/16	1-7/16	1/4	B206 SH600	
SH700	3/4	3-3/8	1-5/8	1/4	B206 SH700	

METRIC

Double Cut

SH200	7.9	64.0	19.1	6.0		B306 SH200
SH500	12.7	70.0	25.4	6.0		B306 SH500
SH600	15.9	70.0	25.4	6.0		B306 SH600



Flame Shape

ISO	P													M			K							N										S										H														
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41									
B206	●	●	●	●	●	●	●	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○									
B306	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○								
P	Steel			M	Stainless Steel			K	Cast Iron			N	Non-Ferrous Metals			S	Titanium & Super Alloys			H	Hard Materials												●	Optimal												○	Effective											

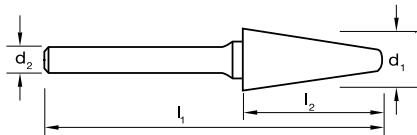
P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Taper Shape

suttontools

- Double Cut, 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.
- AI Cut, for rapid stock removal of soft materials such as:
Aluminium, Brass, Copper, Plastics that would normally load other cuts



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank



B207

B0102

VHM

Br

Steel

Double Cut

1/4"

B220

B0102

VHM

Br

Aluminium

AI Cut

1/4"

Size Ref.	d ₁	l ₁	l ₂	d ₂	Rad	Item #	Item #
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IMPERIAL

Double Cut

SL410	1/8	1-1/2	3/8	1/8		B207 SL410	
SL420	1/8	1-1/2	1/2	1/8		B207 SL420	
SL100	1/4	2	5/8	1/4		B207 SL100	
SL200	5/16	2-5/8	7/8	1/4		B207 SL200	
SL300	3/8	2-13/16	1-1/16	1/4		B207 SL300	
SL400	1/2	2-7/8	1-1/8	1/4		B207 SL400	
SL600	5/8	3-1/16	1-5/16	1/4		B207 SL600	
SL700	3/4	3-1/4	1-1/2	1/4		B207 SL700	

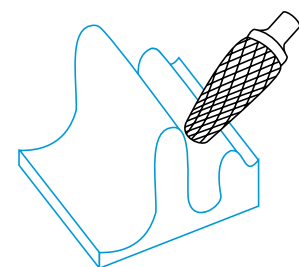
Double Cut, Long Reach

B214

SL3L6	3/8	7-1/16	1-1/16	1/4		B214 SL3L6	
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Aluminium Cut

SL4AC	1/2	2-7/8	1-1/8	1/4			B220 SL4AC
SL6AC	5/8	3-1/16	1-5/16	1/4			B220 SL6AC
SL7AC	3/4	3-1/4	1-1/2	1/4			B220 SL7AC



Taper Shape

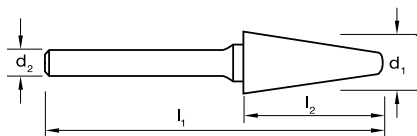
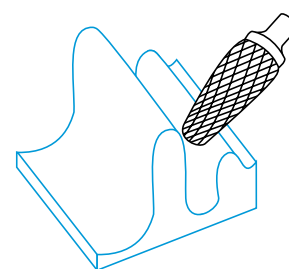
ISO	P													M			K					N										S										H							
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41
B207	●	●	●	●	○	●	●	○	○	○	○	○	○	●	○	○	○	○	●	○	○	○	●																				○	○			○	○	
B214	●	○	●	●		●	○	○						●	○	○	●	○	○	●	○	○	●																					○	○			○	○
B220	○	○				○																	●	●	●	●	●	○		●																			

P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

suttontools

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[illegible]

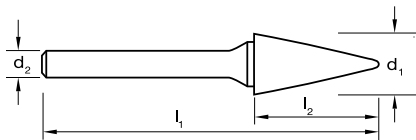
ISO	P													M	K								N										S										H							
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41	42
B307	●	●	●	●	●	●	●	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○																						○	○			○	○	

P Steel
M Stainless Steel
K Cast Iron
N Non-Ferrous Metals
S Titanium & Super Alloys
H Hard Materials
● Optimal
○ Effective

Carbide Burrs Cone Shape

suttontools

- Double Cut, 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.



Catalogue Code
Discount Group
Material
Surface Finish
Application
Geometry
Shank



B208

B0102

VHM

Br

Steel

Double Cut

1/4"

B308

B0102

VHM

Br

Steel

Double Cut

6mm

Size Ref.	d ₁	l ₁	l ₂	d ₂	Angle	Item #	Item #
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IMPERIAL

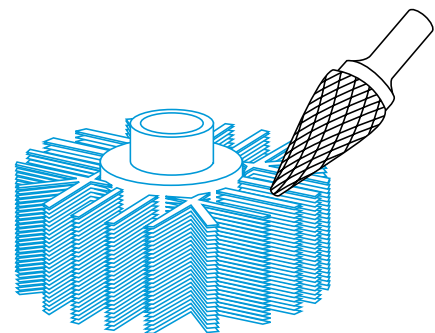
Double Cut

SM420	1/8	1-1/2	1/2	1/8		B208 SM420	
SM430	1/8	1-1/2	5/8	1/8		B208 SM430	
SM510	1/4	2	1/2	1/8		B208 SM510	
SM100	1/4	2	1/2	1/4		B208 SM100	
SM200	1/4	2	3/4	1/4		B208 SM200	
SM300	1/4	2	1	1/4		B208 SM300	
SM400	3/8	2-1/2	3/4	1/4		B208 SM400	
SM500	1/2	2-3/4	1	1/4		B208 SM500	
SM600	5/8	2-7/8	1-1/8	1/4		B208 SM600	

METRIC

Double Cut

SM300	6.0	51.0	25.4	6.0		B308 SM300	
SM400	9.5	64.0	19.1	6.0		B308 SM400	
SM500	12.7	70.0	25.4	6.0		B308 SM500	
SM600	15.9	73.0	28.6	6.0		B308 SM600	



Cone Shape

ISO	P													M			K					N											S										H								
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37.1	37.2	37.3	37.4	37.5	38.1	38.2	39.1	39.2	40	41		
B208	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
B308	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
P Steel	M Stainless Steel			K Cast Iron			N Non-Ferrous Metals			S Titanium & Super Alloys										H Hard Materials										●	Optimal										○	Effective									

P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metals S Titanium & Super Alloys H Hard Materials

● Optimal ○ Effective

Carbide Burrs Sets

suttontools

All sets packed in ABS case (industrial grade plastic material).



B900 SCB100

Catalogue Code	B900
Discount Group	B0102
Material	VHM
Surface Finish	Brt
Application	-
Geometry	-
Shank	1/4"

Size Ref.	Description	d ₁	d ₂	Qty	Item #
Burr Sets					
Type	Cyl/Sq	Cyl/Rad	Ball	Tree/Rad	Cyl/Sq -Al
SCB100	SA100	SC100	SD100	SF100	SC1AC
SCB300	SA300	SC300	SD300	SF300	SC3AC
SCB500	SA500	SC500	SD500	SF500	SC5AC
SCB5	SA300	SC300	SC500	SF300	SF500



B900 SCB100



B900 SCB300



B900 SCB500



B900 SCB5

Carbide Burrs 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 neatenng welds, porting, polishing and woodworking applications.

Features:

- Quick release attachment
- Trigger with safety latch prevent accidental operation
- Adjusting knob controls speed of rotation

Specifications:

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



Discount Group: B0102

Description	Contents	Item #
		B902
Die Grinder Kit	Pneumatic Die Grinder 4 collets: 1/8, 1/4, 3 & 6mm 2 x wrenches	B902 0002

Recommended Cutting Speeds (RPM) – Standard Length Burrs

	 Steels & Alloys	 Stainless Steel	 Aluminium	
Diameter	Double Cut	Double Cut	Aluminium Cut	Max RPM
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.

