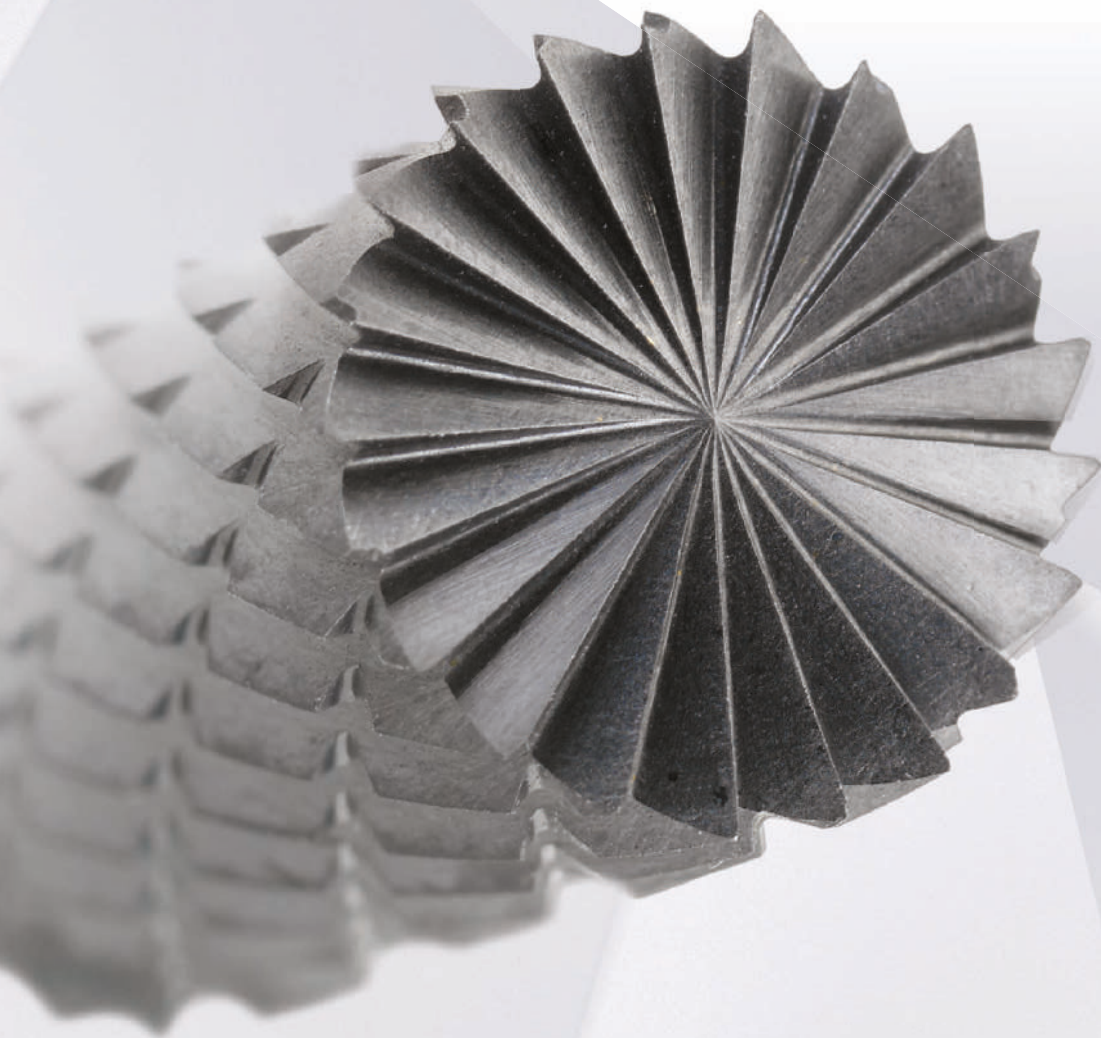
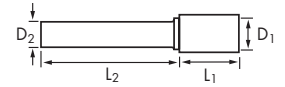


ROTARY BURRS



BLUE-MASTER[®]
by celesa

CUTTING TECHNOLOGIES



HSS ROTARY BURRS



D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3	€	TG2 / 6	€
6 mm. SHANK							
6	20	6	40	Y501TG0	17,22	Y501TG2	17,22
8	30	6	40	Y508TG0	23,80	Y508TG2	23,80
10	30	6	40	Y510TG0	24,41	Y510TG2	24,41
12	30	6	40	Y505TG0	24,41	Y505TG2	24,41
15	30	6	40	Y504TG0	28,02	Y504TG2	28,02
10	15	6	40			Y503TG2	23,81
LONG SERIES							
6	20	6	100			Y501LTG2	22,39
8	30	6	100			Y508LTG2	30,99
10	30	6	100			Y510LTG2	31,91
12	30	6	100			Y505LTG2	31,91
15	30	6	100			Y504LTG2	36,78
10	15	6	100			Y503LTG2	30,99



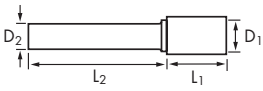
D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3	€	TG2 / 6	€
6 mm. SHANK							
6	20	6	40	Y502TG0	17,22	Y502TG2	17,22
8	20	6	40			Y507TG2	23,80
10	20	6	40	Y509TG0	23,80	Y509TG2	23,80
10	30	6	40	Y511TG0	24,41	Y511TG2	24,41
12	30	6	40	Y506TG0	24,41	Y506TG2	24,41
15	30	6	40			Y514TG2	28,02
LONG SERIES							
6	20	6	100			Y502LTG2	22,39
8	20	6	100			Y507LTG2	30,99
10	20	6	100			Y509LTG2	30,99
10	30	6	100			Y511LTG2	31,93
12	30	6	100			Y506LTG2	31,93
15	30	6	100			Y514LTG2	36,78



D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3	€	TG2 / 6	€
6 mm. SHANK							
4,5	4,5	6	40			Y551TG2	17,22
6,0	6,0	6	40			Y556TG2	17,22
8,0	8,0	6	40	Y552TG0	23,80	Y552TG2	23,80
10,0	10,0	6	40			Y554TG2	23,80
12,0	12,0	6	40			Y553TG2	23,80
15,0	15,0	6	40	Y557TG0	28,02	Y557TG2	28,02
LONG SERIES							
4,5	4,5	6	100			Y551LTG2	22,39
6,0	6,0	6	100			Y556LTG2	22,39
8,0	8,0	6	100			Y552LTG2	30,99
10,0	10,0	6	100			Y554LTG2	30,99
12,0	12,0	6	100			Y553LTG2	30,99
15,0	15,0	6	100			Y557LTG2	36,78



D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3	€	TG2 / 6	€
6 mm. SHANK							
6	20	6	40			Y521TG2	17,22
10	30	6	40			Y524TG2	24,41
12	20	6	40	Y525TG0	23,81	Y525TG2	23,81
12	30	6	40			Y526TG2	24,41
15	30	6	40			Y527TG2	28,02
12	30	6	40			Y515TG2	24,41
LONG SERIES							
6	20	6	100			Y521LTG2	22,39
10	30	6	100			Y524LTG2	31,93
12	20	6	100			Y525LTG2	30,99
12	30	6	100			Y526LTG2	31,93
15	30	6	100			Y527LTG2	36,78
12	30	6	100			Y515LTG2	31,91



HSS ROTARY BURRS

TYPE E **HSS**



D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3		TG2 / 6	
				€	€	€	€
6 mm. SHANK							
12	20	6	40			Y545TG2	23,81
15	30	6	40			Y547TG2	28,02
LONG SERIES							
12	20	6	100			Y545LTG2	30,99
15	30	6	100			Y547LTG2	36,78

TYPE L **HSS**



D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3		TG2 / 6	
				€	€	€	€
6 mm. SHANK							
10	15	6	40			Y533TG2	23,81
15	35	6	40	Y537TG0	28,02	Y537TG2	28,02
LONG SERIES							
10	15	6	100			Y533LTG2	30,99
15	35	6	100	Y537LTG0	36,78	Y537LTG2	36,78

TYPE M **HSS**

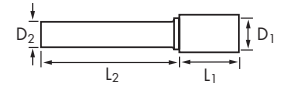


D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3		TG2 / 6	
				€	€	€	€
6 mm. SHANK							
6	20	6	40	Y532TG0	17,22	Y532TG2	17,22
10	20	6	40	Y534TG0	23,81	Y534TG2	23,81
12	30	6	40	Y536TG0	24,41	Y536TG2	24,41
12	12	6	40			Y512TG2	23,81
LONG SERIES							
6	20	6	100			Y532LTG2	22,39
10	20	6	100			Y534LTG2	30,99
12	30	6	100			Y536LTG2	31,91
12	12	6	100			Y512LTG2	30,99

TYPE N **HSS**



D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3		TG2 / 6	
				€	€	€	€
6 mm. SHANK							
12	15	6	40			Y513TG2	23,81
12	30	6	40			Y516TG2	24,41
LONG SERIES							
12	15	6	100			Y513LTG2	30,99
12	30	6	100			Y516LTG2	31,91



Ø 3 & 6 SHANK HSS ENGRAVING ROTARY BURRS



TYPE	D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3	
						€
3 mm. SHANK						
A/E	7	9	3	30	Y055	18,17
D	7	7	3	30	Y062	18,17
E	7	9	3	30	Y059	18,17
N	7	9	3	30	Y056	18,17
L	7	9	3	30	Y057	18,17
M	7	9	3	30	Y058	18,17

TYPE	D1 mm	L1 mm	D2 mm	L2 mm	TG0 / 3	
						€
6 mm. SHANK						
A/E	6	8	6	40	Y255	18,17
D	6	6	6	40	Y272	18,17
E	6	8	6	40	Y259	18,17
N	6	8	6	40	Y256	18,17
M	6	8	6	40	Y258	18,17
J	6	3	6	40	Y264	18,17
SHAPE	6	2	6	40	Y265	18,17

HSS ROTARY BURRS DISPLAYS



REFERENCE	E70SRTG2				
QUANTITY / QUALITY	70		HSS		
CONTENT	Y504 (x5)	Y537 (x5)	Y526 (x5)	Y505 (x5)	Y506 (x5)
Quantity	Y510 (x5)	Y536 (x5)	Y553 (x5)	Y525 (x5)	Y534 (x5)
	Y552 (x5)	Y502 (x5)	Y532 (x5)	Y501 (x5)	
PRICE €	1.625,03				

REFERENCE	E33SRTG2				
QUANTITY / QUALITY	33		HSS		
CONTENT	Y502 - Y501 - Y541 - Y532 - Y521 - Y571 - Y561 - Y551 - Y556				
Quantity	Y507 - Y512 - Y533 - Y534 - Y552 - Y554 - Y553 - Y557 - Y509				
	Y513 - Y525 - Y545 - Y524 - Y515 - Y536 - Y526 - Y537 - Y547				
	Y527 - Y504 - Y566 - Y516 - Y505 - Y506				
PRICE €	752,30				

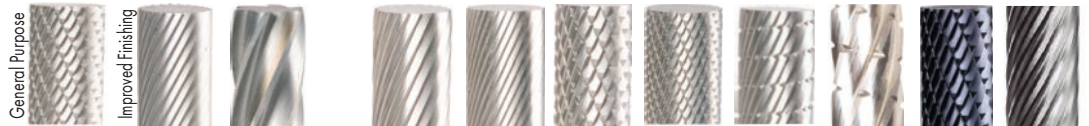
CARBIDE ROTARY BURRS



Standard Cut Types

Special Cut Types

- Recommended
- Highly Recommended



Material	Standard Cut Types			Special Cut Types							
	6	2	3	1	4	5	8	9	10	6 TiAlN	3 INOX
Aluminium, Plastic			●						○		
Brass, Copper, Cast Iron, Bronze	●	●		○	○	●	○	○		●	
Steels	●	●			○	●	○	○		●	
Stainless Steel, Titanium	○	○		○	○	○	○	○		○	●

RECOMMENDED OPERATING SPEEDS

The speeds in the table below are quoted x 1.000 rpm

Ø mm	"	Aluminium, Plastic		Brass, Copper, Cast Iron, Bronze		Steels		Stainless Steel, Titanium	
		Speed Range	Recomm. Start Point	Speed Range	Recomm. Start Point	Speed Range	Recomm. Start Point	Speed Range	Recomm. Start Point
3	1/8"	60-80	65	45-80	65	60-80	80	60-80	80
6	1/4"	15-60	40	22-60	45	45-60	50	30-45	40
10	3/8"	10-50	25	15-40	30	30-40	30	19-30	25
12	1/2"	7-30	20	11-30	25	22-30	25	15-22	20
16	5/8"	6-20	15	9-20	20	18-20	20	12-18	15
20	3/4"	5-17	10	8-17	12	15-17	15	10-15	10
25	1"	4-13	8	6-13	10	10-13	10	7-11	8

Recommended speeds are based on standard shank length of 45 mm. and maximum overhang of 10 mm.
Maximum recommended operating speeds for extended length shanks is 15.000 rpm.

ROTARY BURRS FOR STAINLESS STEEL

Our new cut called **"3 INOX"** is specifically designed for all types of stainless steels, specially those with a high % of nickel.

Advantages of the **"3 INOX"** cut :

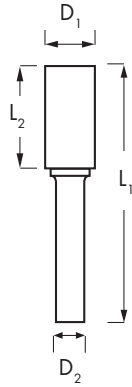
- ▶ Reduction of time working as chip doesn't remain stucked on the burr.
- ▶ Less friction and heating of the burr and improved lifetime of the tool.
- ▶ Better finishing of the surface.



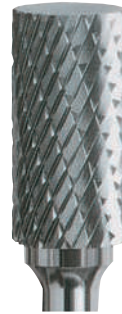
CYLINDER WITHOUT END CUT

**TYPE
A**

CARBIDE



TiAlN



		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
3 mm. SHANK	A30106	1.5	6.0	3	38	Solid Carbide	18,71			18,71	27,51			
	A30211	2.0	11.0	3	38	Solid Carbide	16,40			16,40	24,83	√	√	
	A30314	3.0	14.0	3	38	Solid Carbide	12,31	18,98	√	12,47	22,20	√	√	27,64
	A30512	5.0	12.7	3	38	Solid Carbide	32,20			32,20	50,13			
	A30605	6.3	4.7	3	37	Welded	21,89		√	21,89	33,97	√	√	
	A30612	6.3	12.7	3	45	Welded	21,90	38,00	√	22,55	39,67	√	√	40,26
LONG SERIES	A30314-50	3.0	14.0	3	50	Solid Carbide	28,96	40,54	√	28,96	√	√	√	
	A30314-75	3.0	14.0	3	75	Solid Carbide	35,83	50,13	√	36,16	√	√	√	
	A30314-100	3.0	14.0	3	100	Solid Carbide	41,60	58,26	√	41,60	√	√	√	

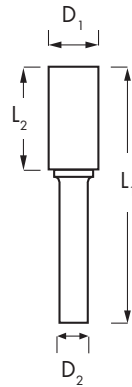
		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
6 mm. SHANK	A60312	3.0	14.0	6	50	Solid Carbide	32,96			32,96	48,71			
	A60414	4.0	14.0	6	50	Solid Carbide	30,21			30,21	45,86			
	A60516	5.0	16.0	6	50	Solid Carbide	25,02			25,97	42,90			
	A60618	6.0	18.0	6	50	Solid Carbide	24,20	33,32	√	23,51	37,99	√	√	35,31
	A60625	6.0	25.0	6	50	Solid Carbide	33,78			33,78	55,78			
	A60820	8.0	19.0	6	64	Welded	29,64	37,39	√	29,92	47,15	√	√	39,63
	A61014	9.6	13.5	6	59	Welded	35,08			35,08	48,79			
	A61020	9.6	19.0	6	64	Welded	33,50	37,96	√	33,82	54,71	√	√	40,23
	A61025	9.6	25.0	6	70	Welded	38,80			38,80	57,23			
	A61125	11.0	25.0	6	70	Welded	45,69		√	45,69	68,60	√	√	
	A61220	12.7	19.0	6	64	Welded	52,47		√	50,51	77,35	√	√	
	A61225	12.7	25.0	6	70	Welded	47,02	56,48	√	47,93	74,73	√	√	59,86
	A61525	16.0	25.0	6	70	Welded	59,18	78,33	√	60,32	91,99	√	√	
A62025	19.0	25.0	6	70	Welded	104,34	117,73	√	104,34	139,94	√	√		
A62525	25.0	25.0	6	70	Welded	152,01	195,00	√	152,01	195,70	√	√		
LONG SERIES	A60618-100	6.0	18.0	6	100	Solid Carbide	70,53	98,75		70,53	√	√	√	
	A60618-150	6.0	18.0	6	150	Solid Carbide	90,84	127,16		90,84	√	√	√	
	A60820-170	8.0	19.0	6	172	Welded	39,89	58,65		39,89	√	√	√	
	A61020-170	9.6	19.0	6	172	Welded	45,60	63,12		43,89	√	√	√	
	A61225-175	12.7	25.0	6	178	Welded	71,18	98,75		71,18	√	√	√	

		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
8 mm. SHANK	A81225	12.7	25.0	8	70	Welded	48,86	59,25	√	48,86	74,73	√	√	
	A81525	16.0	25.0	8	70	Welded	61,47	78,33	√	61,47	91,99	√	√	
	A82025	19.0	25.0	8	70	Welded	104,34	117,73	√	104,34	139,94	√	√	
	A82525	25.0	25.0	8	70	Welded	152,01	195,00	√	152,01	195,70	√	√	

CYLINDER WITH END CUT

TYPE
A/E

CARBIDE



TiAlN



Rotary burrs

Pink

Cuts - PRICE

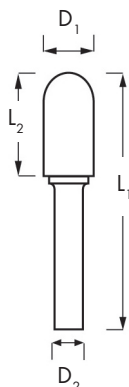
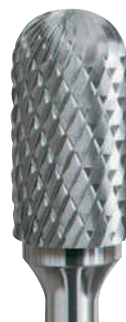
	D1 mm	L2 mm	D2 mm	L1 mm	Type	Cuts - PRICE							
						2	3	4	6	6+TiAlN	8	9	
3 mm. SHANK	A30106E	1.5	6.0	3	38	Solid Carbide	18,89			18,89	27,77		
	A30211E	2.0	11.0	3	38	Solid Carbide	16,55			16,55	25,06	√	√
	A30314E	3.0	14.0	3	38	Solid Carbide	13,04	19,45	√	13,42	22,40		
	A30512E	5.0	12.7	3	38	Solid Carbide	33,91			33,91	50,60		
	A30605E	6.3	4.7	3	37	Welded	22,10		√	22,10	34,29	√	√
	A30612E	6.3	12.7	3	45	Welded	24,13	38,32	√	24,13	40,01	√	√
LONG SERIES	A30314-50E	3.0	14.0	3	50	Solid Carbide	31,87		√	31,87	√	√	√
	A30314-75E	3.0	14.0	3	75	Solid Carbide	39,39		√	39,39	√	√	√
	A30314-100E	3.0	14.0	3	100	Solid Carbide	45,75		√	45,75	√	√	√

Cuts - PRICE

	D1 mm	L2 mm	D2 mm	L1 mm	Type	Cuts - PRICE							
						2	3	4	6	6+TiAlN	8	9	
6 mm. SHANK	A60312E	3.0	14.0	6	50	Solid Carbide	33,27			33,27	49,17		
	A60414E	4.0	14.0	6	50	Solid Carbide	30,49			30,49	46,29		
	A60516E	5.0	16.0	6	50	Solid Carbide	26,48			27,25	43,30		
	A60618E	6.0	18.0	6	50	Solid Carbide	24,66	37,00	√	24,20	38,35	√	√
	A60625E	6.0	25.0	6	50	Solid Carbide	35,21			35,21	56,30		
	A60820E	8.0	19.0	6	64	Welded	31,37	41,56	√	31,97	47,59	√	√
	A61014E	9.6	13.5	6	59	Welded	35,45			35,45	49,25		
	A61020E	9.6	19.0	6	64	Welded	35,45	43,83	√	36,13	55,22	√	√
	A61025E	9.6	25.0	6	70	Welded	41,93			41,93	57,77		
	A61125E	11.0	25.0	6	70	Welded	46,12		√	46,12	69,25	√	√
	A61220E	12.7	19.0	6	64	Welded	53,98		√	53,98	78,08	√	√
	A61225E	12.7	25.0	6	70	Welded	49,77	63,39	√	50,72	75,44	√	√
	A61525E	16.0	25.0	6	70	Welded	63,83	88,70	√	61,43	92,85	√	√
	A62025E	19.0	25.0	6	70	Welded	105,32	130,73	√	105,32	141,26	√	√
A62525E	25.0	25.0	6	70	Welded	169,99	226,19	√	169,99	197,71	√	√	
LONG SERIES	A60618-100E	6.0	18.0	6	100	Solid Carbide	77,58			77,58	√	√	√
	A60618-150E	6.0	18.0	6	150	Solid Carbide	99,91			99,91	√	√	√
	A60820-170E	8.0	19.2	6	170	Welded	43,87			43,87	√	√	√
	A61020-170E	9.6	19.2	6	170	Welded	50,16			50,16	√	√	√
	A61225-175E	12.7	25.4	6	175	Welded	78,30			78,30	√	√	√

Cuts - PRICE

	D1 mm	L2 mm	D2 mm	L1 mm	Type	Cuts - PRICE							
						2	3	4	6	6+TiAlN	8	9	
8 mm. SHANK	A81225E	12.7	25.0	8	70	Welded	50,72	65,84	√	50,72	75,44	√	√
	A81525E	16.0	25.0	8	70	Welded	63,83	88,70	√	63,83	92,85	√	√
	A82025E	19.0	25.0	8	70	Welded	105,32	130,73	√	105,32	141,26	√	√
	A82525E	25.0	25.0	8	70	Welded	169,99	226,19	√	169,99	197,71	√	√

BALL NOSED CYLINDER
TYPE
C
CARBIDE

TiAIN


		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAIN	8	9	INOX
3 mm. SHANK	C30211	2.0	11.0	3	38	Solid Carbide	14,29		√	14,29	22,64	√	√	
	C30212	2.5	11.0	3	38	Solid Carbide	14,29			14,29	22,64			
	C30312	3.0	14.0	3	38	Solid Carbide	14,41	23,85	√	13,88	22,64	√	√	25,28
	C30512	5.0	12.7	3	38	Solid Carbide	31,60			31,60	51,12			
	C30612	6.3	12.7	3	45	Welded	24,13	36,32	√	24,13	39,67	√	√	38,49
LONG SERIES	C30312-50	3.0	14.0	3	50	Solid Carbide	32,47	45,48	√	32,47	√	√	√	
	C30312-75	3.0	14.0	3	75	Solid Carbide	40,09	56,14	√	40,09	√	√	√	
	C30312-100	3.0	14.0	3	100	Solid Carbide	45,69	63,94	√	45,69	√	√	√	

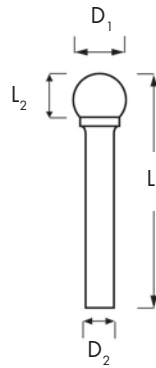
		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAIN	8	9	INOX
6 mm. SHANK	C60312	3.0	14.0	6	50	Solid Carbide	32,97			32,97	47,76			
	C60413	4.0	14.0	6	50	Solid Carbide	32,99			32,99	49,21			
	C60516	5.0	16.0	6	50	Solid Carbide	27,91			27,91	48,00			
	C60618	6.0	18.0	6	50	Solid Carbide	28,73	38,81	√	28,68	42,82	√	√	41,13
	C60625	6.0	25.0	6	50	Solid Carbide	39,49			39,49	56,29			
	C60820	8.0	19.0	6	64	Welded	31,39	40,73	√	31,99	48,08	√	√	43,15
	C61020	9.6	19.0	6	64	Welded	37,60	43,10	√	37,24	58,38	√	√	45,69
	C61025	9.6	25.0	6	70	Welded	42,15			42,15	62,23			
	C61125	11.0	25.0	6	70	Welded	50,18		√	50,18	73,22	√	√	
	C61210	12.0	10.0	6	54	Welded	54,37			54,37	74,22			
	C61220	12.7	19.0	6	64	Welded	55,80		√	53,71	79,72	√	√	
	C61225	12.7	25.0	6	70	Welded	53,23	67,79	√	53,23	80,87	√	√	71,84
	C61525	16.0	25.0	6	70	Welded	66,93	88,61	√	68,22	99,69	√	√	
C62025	19.0	25.0	6	70	Welded	112,51	127,23	√	112,51	148,35	√	√		
C62525	25.0	25.0	6	70	Welded	145,69	197,43		145,69	226,77				
LONG SERIES	C60618-100	6.0	18.0	6	100	Solid Carbide	80,69	112,95		80,69	√	√	√	
	C60618-150	6.0	18.0	6	150	Solid Carbide	104,02	145,63		104,02	√	√	√	
	C60820-170	8.0	19.2	6	175	Welded	43,62	63,94		43,62	√	√	√	
	C61020-170	9.6	19.2	6	170	Welded	51,75	70,34		50,78	√	√	√	
	C61225-175	12.7	25.4	6	175	Welded	82,17	110,53		78,33	√	√	√	

		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAIN	8	9	INOX
8 mm. SHANK	C81225	12.7	25.0	8	70	Welded	55,29	70,41	√	55,29	80,87	√	√	
	C81525	16.0	25.0	8	70	Welded	69,51	88,61	√	68,22	99,69	√	√	
	C82025	19.0	25.0	8	70	Welded	112,51	127,23	√	112,51	148,35	√	√	
	C82525	25.0	25.0	8	70	Welded	152,01	197,43		145,69	226,77			

BALL

TYPE
D

CARBIDE



TiAlN



		Cuts - PRICE												
		2	3	4	6	6+TiAlN	8	9	INOX					
	Type	D1 mm	L2 mm	D2 mm	L1 mm									
3 mm. SHANK	D30202	2.0	1.8	3	38	Solid Carbide	16,40		√	16,40	24,83	√	√	
	D30302	2.5	2.3	3	38	Solid Carbide	15,36			15,36	23,06			
	D30303	3.0	2.5	3	38	Solid Carbide	13,70	22,58	√	13,71	23,71	√	√	23,92
	D30404	4.0	3.4	3	38	Solid Carbide	32,40	38,81	√	32,40	43,88	√	√	
	D30505	5.0	4.7	3	38	Solid Carbide	36,00			36,00	55,42			
	D30606	6.3	5.0	3	38	Welded	20,67	33,04	√	20,67	35,65	√	√	35,01
LONG SERIES	D30303-50	3.0	2.7	3	50	Solid Carbide	30,28	42,40	√	30,28	√	√	√	
	D30303-75	3.0	2.7	3	75	Solid Carbide	37,20	52,07	√	37,20	√	√	√	

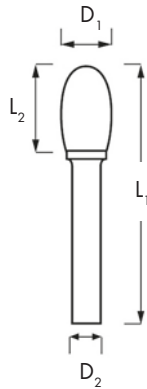
		Cuts - PRICE												
		2	3	4	6	6+TiAlN	8	9	INOX					
	Type	D1 mm	L2 mm	D2 mm	L1 mm									
6 mm. SHANK	D60303	3.0	2.5	6	50	Solid Carbide	36,17			36,17				
	D60404	4.0	3.0	6	50	Solid Carbide	31,60			31,60				
	D60505	5.0	4.0	6	50	Solid Carbide	27,49			27,49				
	D60606	6.0	4.7	6	50	Solid Carbide	23,56	35,65	√	24,23	38,27	√	√	37,78
	D60808	8.0	6.0	6	52	Welded	26,30	32,86	√	26,30	41,72	√	√	34,83
	D61010	9.6	8.0	6	54	Welded	29,43	35,67	√	28,60	48,29	√	√	37,80
	D61111	11.0	9.5	6	55	Welded	38,91		√	38,91	61,65	√	√	
	D61212	12.7	11.0	6	56	Welded	39,23	49,53	√	39,61	64,66	√	√	52,48
	D61515	16.0	14.0	6	59	Welded	49,09	61,44	√	49,09	77,72	√	√	
	D62020	19.0	16.5	6	62	Welded	67,80	84,87	√	67,80	101,09	√	√	
D62525	25.0	22.0	6	67	Welded	128,18	168,21	√	128,18	171,20	√	√		
LONG SERIES	D60808-180	8.0	7.0	6	180	Welded	35,16	51,56		35,16	√	√	√	
	D61010-185	9.6	8.5	6	185	Welded	41,76	57,64		41,76	√	√	√	
	D61212-162	12.7	11.4	6	162	Welded	60,66	80,03		58,39	√	√	√	

		Cuts - PRICE												
		2	3	4	6	6+TiAlN	8	9	INOX					
	Type	D1 mm	L2 mm	D2 mm	L1 mm									
8 mm. SHANK	D81212	12.7	11.0	8	56	Welded	39,64	49,61	√	39,64	62,88	√	√	
	D81515	16.0	14.0	8	59	Welded	49,09	61,45	√	49,09	77,72	√	√	
	D82020	19.0	16.5	8	62	Welded	67,80	84,87	√	67,80	101,09	√	√	
	D82525	25.0	22.0	8	67	Welded	128,18	168,21	√	128,18	171,20	√	√	

OVAL

TYPE
E

CARBIDE



TiAlN



							Cuts - PRICE							
		D1	L2	D2	L1	Type	2	3	4	6	6+TiAlN	8	9	INOX
		mm	mm	mm	mm									
3 mm. SHANK	E30306	3.0	6.0	3	38	Solid Carbide	14,74	24,26	√	14,74	24,83	√	√	
	E30508	5.0	8.0	3	38	Solid Carbide	31,17			31,17	47,28			
	E30610	6.3	9.5	3	42	Welded	21,05	32,72	√	21,48	35,64	√	√	
LONG SERIES	E30306-50	3.0	6.0	3	50	Solid Carbide	37,66			37,66				
	E30306-75	3.0	6.0	3	75	Solid Carbide	43,20			43,20				

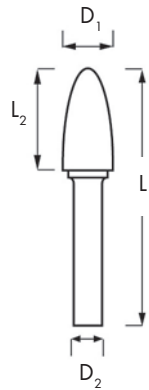
							Cuts - PRICE							
		D1	L2	D2	L1	Type	2	3	4	6	6+TiAlN	8	9	INOX
		mm	mm	mm	mm									
6 mm. SHANK	E60610	6.0	10.0	6	50	Solid Carbide	26,43	39,24	√	27,73	44,14	√	√	
	E60815	8.0	15.0	6	60	Welded	30,00	43,17	√	30,89	48,17	√	√	45,75
	E61015	9.6	16.0	6	60	Welded	34,10	41,09	√	35,10	52,69	√	√	43,53
	E61220	12.7	22.0	6	67	Welded	49,99	65,61	√	49,99	76,44	√	√	69,55
	E61525	16.0	25.0	6	70	Welded	69,45	91,12	√	69,45	102,25	√	√	
	E62025	19.0	25.0	6	70	Welded	95,99	122,44	√	95,99	132,66	√	√	
LONG SERIES	E61015-165	9.6	16.0	6	165	Welded	59,81			59,81				
	E61220-170	12.7	22.0	6	170	Welded	77,81			77,81				

							Cuts - PRICE							
		D1	L2	D2	L1	Type	2	3	4	6	6+TiAlN	8	9	INOX
		mm	mm	mm	mm									
8 mm. SHANK	E81220	12.7	22.0	8	67	Welded	52,44	65,61	√	51,48	76,44	√	√	
	E81525	16.0	25.0	8	70	Welded	72,85	91,12	√	72,85	102,25	√	√	
	E82025	19.0	25.0	8	70	Welded	95,99	122,44	√	95,99	132,66	√	√	

BALL NOSED TREE

TYPE
F

CARBIDE



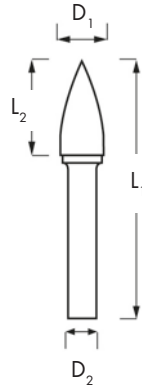
TiAlN



		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
3 mm. SHANK	F30306	3.0	6.0	3	38	Solid Carbide	26,56			26,56	37,21			
	F30308	3.0	8.0	3	38	Solid Carbide	17,86		√	17,86	26,33	√	√	
	F30312	3.0	14.0	3	38	Solid Carbide	18,20	25,47	√	17,35	26,33	√	√	27,01
	F30512	5.0	12.7	3	38	Solid Carbide	32,30			32,30	46,85			
	F30612	6.3	12.7	3	45	Welded	23,91	34,74	√	23,91	39,67	√	√	36,83
LONG SERIES	F30312-50	3.0	14.0	3	50	Solid Carbide	33,49	46,86	√	33,49		√	√	
	F30312-75	3.0	14.0	3	75	Solid Carbide	40,03			40,03				

		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
6 mm. SHANK	F60618	6.0	18.0	6	50	Solid Carbide	27,79	40,52	√	26,50	41,62	√	√	42,95
	F60820	8.0	20.0	6	65	Welded	32,08	40,91	√	32,08	48,17	√	√	43,34
	F61020	9.6	19.0	6	64	Welded	40,36	43,36	√	39,58	60,09	√	√	45,96
	F61125	11.0	25.0	6	70	Welded	50,85		√	50,85	73,92	√	√	
	F61220	12.7	19.0	6	64	Welded	51,03		√	51,03	75,75	√	√	
	F61225	12.7	25.0	6	70	Welded	51,31	64,21	√	52,30	77,75	√	√	68,05
	F61525	16.0	25.0	6	70	Welded	71,53	91,17	√	68,85	100,38	√	√	
	F61530	16.0	30.0	6	75	Welded	78,73			82,58	117,08			
	F62025	19.0	25.0	6	70	Welded	92,38	117,73	√	92,38	127,65	√	√	
	F62032	19.0	32.0	6	77	Welded	128,25	149,44	√	128,25	171,24	√	√	
F62038	19.0	38.0	6	83	Welded	162,73	197,10	√	162,73	206,74	√	√		
LONG SERIES	F60618-150	6.0	18.0	6	150	Solid Carbide	77,61	110,64		77,61	√	√	√	
	F61020-170	9.6	19.2	6	170	Welded	49,92	68,82		49,92	√	√	√	
	F61225-175	12.7	25.4	6	175	Welded	78,92	103,60		75,23				

		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
8 mm. SHANK	F81225	12.7	25.0	8	70	Welded	51,82	64,89	√	51,82	76,31	√	√	
	F81525	16.0	25.0	8	70	Welded	71,53	89,49	√	71,53	100,38	√	√	
	F82025	19.0	25.0	8	70	Welded	92,38	117,73	√	92,38	127,65	√	√	
	F82032	19.0	32.0	8	77	Welded	128,25	149,44	√	128,25	171,24	√	√	
	F82038	19.0	38.0	8	83	Welded	162,73	197,10	√	162,73	206,74	√	√	

POINTED TREE
**TYPE
G**
CARBIDE

TiAlN


		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
3 mm. SHANK	G30306	3.0	6.0	3	38	Solid Carbide	16,40		√	16,40	24,83	√	√	
	G30310	3.0	10.0	3	38	Solid Carbide	16,79			16,79	25,66			
	G30312	3.0	14.0	3	38	Solid Carbide	17,35	25,25	√	17,01	26,33	√	√	
	G30512	5.0	12.7	3	38	Solid Carbide	32,20			32,20	47,28			
	G30612	6.3	12.7	3	45	Welded	24,36	34,28	√	24,36	39,67	√	√	
LONG SERIES	G30312-50	3.0	14.0	3	50	Solid Carbide	29,93	41,93	√	29,93	√	√	√	
	G30312-75	3.0	14.0	3	75	Solid Carbide	37,57	52,58	√	37,57	√	√	√	

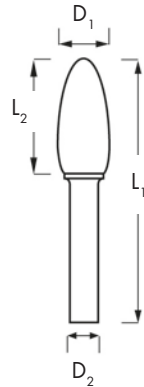
		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
6 mm. SHANK	G60618	6.0	18.0	6	50	Solid Carbide	25,78	45,29	√	26,53	41,64	√	√	48,00
	G60820	8.0	19.0	6	64	Welded	29,76	48,72	√	30,36	49,22	√	√	51,62
	G61020	9.6	19.0	6	64	Welded	35,11	58,65	√	35,81	58,75	√	√	62,15
	G61220	12.7	19.0	6	64	Welded	49,86		√	48,46	74,15	√	√	
	G61225	12.7	25.0	6	70	Welded	45,96	65,92	√	46,42	76,57	√	√	69,86
	G61230	12.7	30.0	6	75	Welded	82,57		√	82,57	113,10	√	√	
	G61525	16.0	25.0	6	70	Welded	70,08	102,06	√	70,00	104,05	√	√	
	G61530	16.0	30.0	6	75	Welded	97,83		√	97,83	144,53	√	√	
	G62025	19.2	25.0	6	70	Welded	108,79		√	108,79	144,53	√	√	
	G62038	19.2	38.0	6	83	Welded	152,76		√	152,76	196,49	√	√	
LONG SERIES	G61020-170	9.6	19.2	6	170	Welded	52,90	73,48		52,90	√	√	√	
	G61225-175	12.7	25.4	6	175	Welded	75,09	99,85		71,59	√	√	√	

		Cuts - PRICE												
		D1 mm	L2 mm	D2 mm	L1 mm	Type	2	3	4	6	6+TiAlN	8	9	INOX
8 mm. SHANK	G81225	12.7	25.0	8	70	Welded	48,21		√	48,21	76,57	√	√	
	G81230	12.7	30.0	8	75	Welded	82,57		√	82,57	113,10	√	√	
	G81525	16.0	25.0	8	70	Welded	70,08		√	70,08	104,05	√	√	
	G81630	16.0	30.0	8	75	Welded	102,63		√	102,63	144,53	√	√	
	G82025	19.0	25.0	8	70	Welded	108,79		√	108,79	149,88	√	√	
	G82038	19.0	38.0	8	83	Welded	152,76		√	152,76	196,49	√	√	

FLAME

TYPE
H

CARBIDE



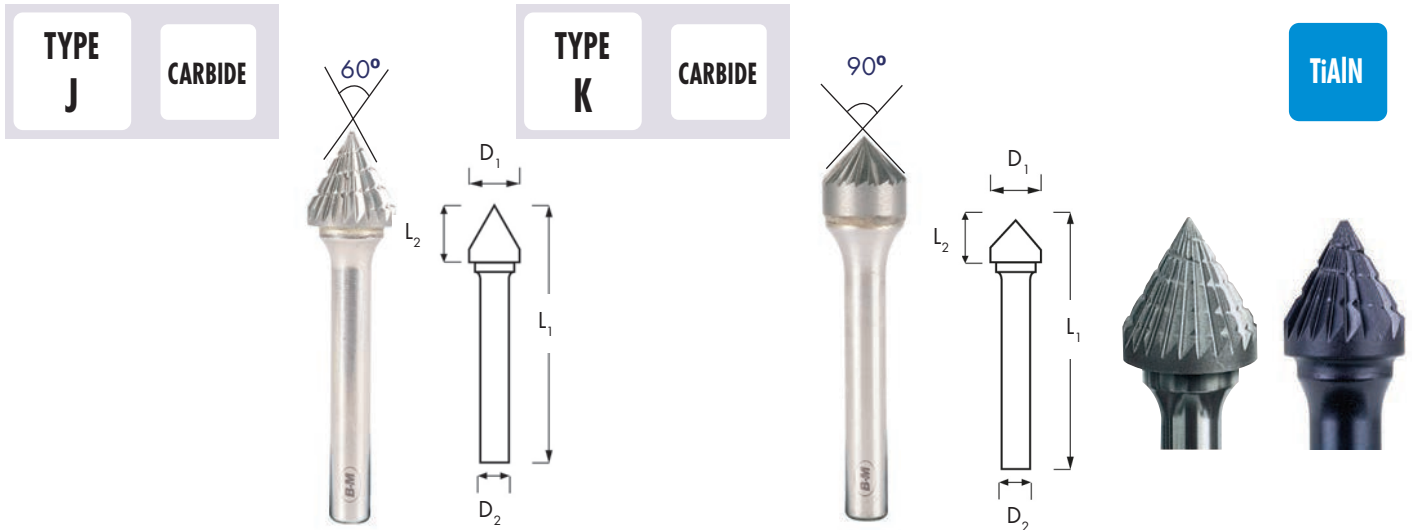
TiAlN



	D1 mm	L2 mm	D2 mm	L1 mm	Type	Cuts - PRICE									
						2	3	4	6	6+TiAlN	8	9	INOX		
3 mm. SHANK	H30306	3.0	6.0	3	38	Solid Carbide	16,82		√	16,82	25,12	√	√		
	H30510	5.0	9.5	3	38	Solid Carbide	33,50			33,50	46,06				
	H30612	6.0	10.0	3	43	Welded	24,77			24,77	34,74				

	D1 mm	L2 mm	D2 mm	L1 mm	Type	Cuts - PRICE									
						2	3	4	6	6+TiAlN	8	9	INOX		
6 mm. SHANK	H60614	6.0	14.0	6	50	Solid Carbide	29,57			29,57	44,33				
	H60820	8.0	19.0	6	64	Welded	32,43	48,82	√	32,74	52,26	√	√	51,75	
	H61020	10.0	19.0	6	65	Welded	64,94	75,07		64,94	90,57			79,56	
	H61232	12.7	32.0	6	77	Welded	67,48	99,07	√	66,18	98,55	√	√	104,99	
	H61535	16.0	36.0	6	81	Welded	101,55	134,22	√	96,79	141,16	√	√		
	H62042	19.0	41.0	6	86	Welded	144,85		√	144,85	188,34	√	√		

	D1 mm	L2 mm	D2 mm	L1 mm	Type	Cuts - PRICE								
						2	3	4	6	6+TiAlN	8	9	INOX	
8 mm. SHANK	H81232	12.7	32.0	8	77	Welded	70,80		√	70,80	98,55	√	√	
	H81535	16.0	36.0	8	81	Welded	101,55		√	101,55	141,16	√	√	
	H82042	19.0	41.0	8	86	Welded	144,85		√	144,85	188,34	√	√	

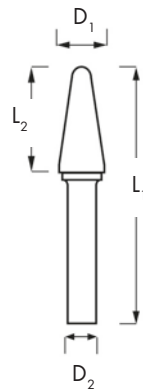
60° / 90° COUNTERSINK


	TYPE J	D1 mm	L2 mm	D2 mm	L1 mm	Angle	Type	Cuts - PRICE					
								2	3	4	6	6+TiAlN	9
3 mm. SHANK	J30303	3.0	2.5	3	38	60°	Solid Carbide	13,75			13,75	22,48	√
6 mm. SHANK	J60606	6.0	4.0	6	50	60°	Solid Carbide	24,02			24,02	38,27	√
	J61008	9.6	8.0	6	56	60°	Welded	31,39			31,39	50,87	√
	J61210	12.7	11.0	6	59	60°	Welded	38,13			38,13	62,09	√
	J61512	16.0	14.5	6	63	60°	Welded	57,38			57,38	87,19	√
	J62018	19.0	17.5	6	65	60°	Welded	72,94			72,94	107,63	√
	J62520	25.0	24.5	6	70	60°	Welded	114,40			114,40	143,88	√
8 mm. SHANK	J81210	12.7	11.0	8	59	60°	Welded	38,13			38,13	62,09	√
	J81512	16.0	14.5	8	63	60°	Welded	57,38			57,38	87,19	√
	J82018	19.0	17.5	8	65	60°	Welded	72,94			72,94	107,63	√
	J82520	25.0	24.5	8	70	60°	Welded	114,40			114,40	143,88	√

	TYPE K	D1 mm	L2 mm	D2 mm	L1 mm	Angle	Type	Cuts - PRICE					
								2	3	4	6	6+TiAlN	9
3 mm. SHANK	K30303	3.0	1.5	3	38	90°	Solid Carbide	13,66			13,66	22,39	√
6 mm. SHANK	K60603	6.0	3.0	6	50	90°	Solid Carbide	24,02			24,02	38,27	√
	K61004	9.6	4.7	6	53	90°	Welded	31,09			29,64	50,87	√
	K61206	12.7	6.3	6	55	90°	Welded	38,13			38,13	62,09	√
	K61508	16.0	8.0	6	57	90°	Welded	54,12			51,60	87,19	√
	K62012	19.0	9.5	6	59	90°	Welded	74,81			74,81	109,58	√
	K62512	25.0	12.7	6	61	90°	Welded	114,40			114,40	143,95	√
8 mm. SHANK	K81206	12.7	6.3	8	55	90°	Welded	38,13			38,13	62,09	√
	K81508	16.0	8.0	8	57	90°	Welded	54,12			54,12	87,19	√
	K82012	19.0	9.5	8	59	90°	Welded	74,81			74,81	109,58	√
	K82512	25.0	12.7	8	61	90°	Welded	114,40			114,40	143,95	√

BALL NOSED CONE

TYPE
L **CARBIDE**



TiAlN

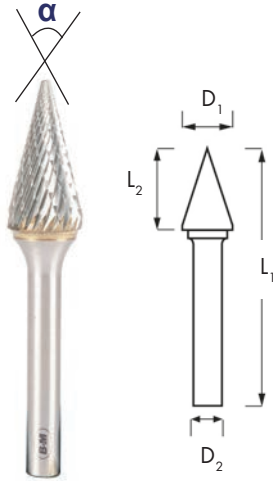


		Cuts - PRICE													
		D1	L2	D2	L1	Angle	Type	2	3	4	6	6+TiAlN	8	9	INOX
		mm	mm	mm	mm	°									
3 mm. SHANK	L30310	3.0	10.0	3	38	10°	Solid Carbide	16,72		√	16,72	24,83	√	√	
	L30312	3.0	14.0	3	38	8°	Solid Carbide	14,74	25,43	√	14,90	24,83	√	√	
	L30512	5.0	12.7	3	38	14°	Solid Carbide	36,84			36,84	54,97			
	L30612	6.3	15.8	3	48	22°	Welded	26,88	45,37	√	28,21	47,64	√	√	

		Cuts - PRICE													
		D1	L2	D2	L1	Angle	Type	2	3	4	6	6+TiAlN	8	9	INOX
		mm	mm	mm	mm	°									
6 mm. SHANK	L60618	6.0	18.0	6	50	14°	Solid Carbide	27,90	42,61	√	28,17	42,26	√	√	
	L60822	8.0	25.4	6	70	14°	Welded	34,86	55,76	√	35,54	56,22	√		59,10
	L61020	10.0	20.0	6	65	14°	Welded	41,51	56,45		43,53	59,69			59,83
	L61026	9.6	30.0	6	76	14°	Welded	43,53	56,93	√	44,33	66,81	√	√	
	L61225	12.0	25.0	6	70	14°	Welded	53,08	67,03		55,14	77,14			
	L61228	12.7	32.0	6	77	14°	Welded	51,74	67,68	√	51,66	78,06	√	√	69,12
	L61533	16.0	33.0	6	78	14°	Welded	95,01	121,09	√	95,01	141,29	√	√	
L62038	19.0	41.0	6	86	14°	Welded	156,47	177,73	√	156,47	200,30	√	√		
LONG SERIES	L61026-176	9.6	30.2	6	176	14°	Welded	63,57	87,98		63,57	√			
	L61228-182	12.7	32.0	6	182	14°	Welded	77,80	107,37		77,80	√			

		Cuts - PRICE													
		D1	L2	D2	L1	Angle	Type	2	3	4	6	6+TiAlN	8	9	INOX
		mm	mm	mm	mm	°									
8 mm. SHANK	L81228	12.7	32.0	8	77	14°	Welded	53,15	68,41	√	53,15	78,06	√	√	
	L81533	16.0	33.0	8	78	14°	Welded	99,67	134,64	√	99,67	141,29	√	√	
	L82038	19.0	41.0	8	86	14°	Welded	156,47	177,73	√	156,47	200,30	√	√	

CONE

TYPE
M
CARBIDE

TiAlN

Cuts - PRICE

	D1 mm	L2 mm	D2 mm	L1 mm	Angle	Type	Cuts - PRICE							
							2	3	4	6	6+TiAlN	8	9	
3 mm. SHANK	M30308	3.0	8.0	3	38	18°	Solid Carbide	16,40		√	16,40	24,83	√	√
	M30311	3.0	11.0	3	38	14°	Solid Carbide	18,69	29,50	√	17,82	27,56	√	√
	M30315	3.0	15.0	3	38	10°	Solid Carbide	19,05		√	19,05	27,56	√	√
	M30612	6.3	17.0	3	49	22°	Welded	21,92	39,58	√	22,56	41,48	√	√

Cuts - PRICE

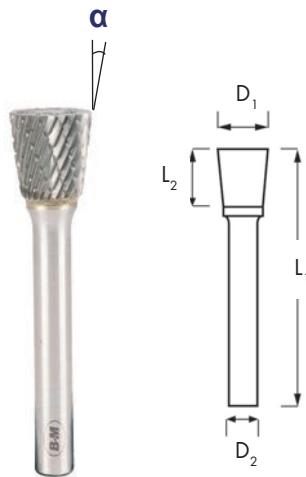
	D1 mm	L2 mm	D2 mm	L1 mm	Angle	Type	Cuts - PRICE							
							2	3	4	6	6+TiAlN	8	9	
6 mm. SHANK	M60612	6.0	12,7	6	50	20°	Solid Carbide	30,73			30,73	38,67		
	M60620	6.0	20.0	6	50	14°	Solid Carbide	25,09	44,01	√	26,32	43,88	√	√
	M60625	6.0	25.0	6	50	10°	Solid Carbide	33,50			33,50	51,56		
	M60818	8.0	18.0	6	64	22°	Welded	36,10			37,88	59,69		
	M61020	9.6	16.0	6	64	28°	Welded	39,60	56,45	√	38,82	63,88	√	√
	M61222	12.7	22.0	6	71	28°	Welded	49,59	72,11	√	48,61	80,70	√	√
	M61525	16.0	25.0	6	71	31°	Welded	74,20		√	77,83	117,48	√	√

Cuts - PRICE

	D1 mm	L2 mm	D2 mm	L1 mm	Angle	Type	Cuts - PRICE							
							2	3	4	6	6+TiAlN	8	9	
8 mm. SHANK	M81222	12.7	22.0	8	71	28°	Welded	52,01		√	52,01	80,70	√	√
	M81525	16.0	25.0	8	71	31°	Welded	77,83		√	77,83	117,48	√	√

INVERTED CONE

TYPE
N
CARBIDE



Example:



N30304



N30304E

TiAIN



Rotary burrs

Pink

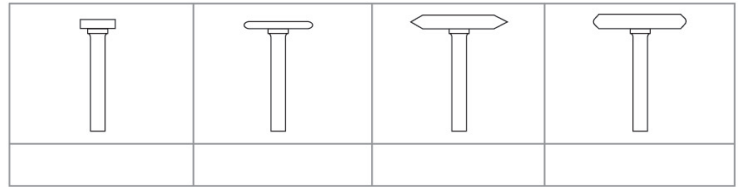
		Cuts - PRICE						2	3	4	6	6+TiAIN	9
		D1 mm	L2 mm	D2 mm	L1 mm	Angle	Type						
3 mm. SHANK	N30304	3.0	4.0	3	38	10°	Solid Carbide	17,13			17,13	27,56	√
	N30304E	3.0	4.0	3	38	10°	Solid Carbide	19,71			19,71	30,70	
	N30606	6.3	6.0	3	39	12°	Welded	21,18			21,89	36,07	√
	N30606E	6.3	6.4	3	39	12°	Welded	25,01			25,01	38,17	

		Cuts - PRICE						2	3	4	6	6+TiAIN	9
		D1 mm	L2 mm	D2 mm	L1 mm	Ángulo	Type						
6 mm. SHANK	N60608	6.0	8.0	6	50	10°	Solid Carbide	26,62			26,62	40,93	√
	N61010	9.6	9.5	6	55	16°	Welded	38,86			38,86	58,58	√
	N61212	12.7	12.7	6	58	28°	Welded	49,42			49,42	79,36	√
	N61520	16.0	19.0	6	64	18°	Welded	70,56			70,56	100,74	√
	N62015	19.0	16.0	6	61	30°	Welded	88,99			88,99	124,17	√

		Cuts - PRICE						2	3	4	6	6+TiAIN	9
		D1 mm	L2 mm	D2 mm	L1 mm	Ángulo	Type						
8 mm. SHANK	N81212	12.7	12.7	8	58	28°	Welded	51,86			51,86	79,36	√
	N81520	16.0	19.0	8	64	18°	Welded	70,56			70,56	100,74	√

RIM SHAPE

RIM SHAPE **SOLID CARBIDE**



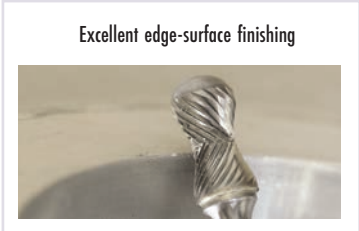
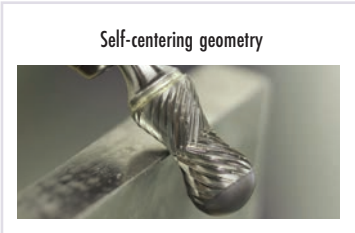
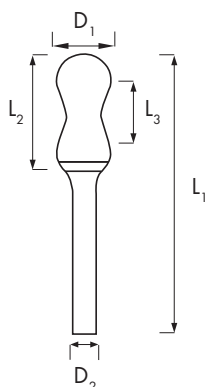
		Cuts - PRICE									
		D1 mm	L2 mm	D2 mm	L1 mm	Angle	2	3	4	6	6+TiAlN
3 mm. SHANK	P31001	10.0	1.6	3	34	-					
							37,98				

		Cuts - PRICE									
		D1 mm	L2 mm	D2 mm	L1 mm	Angle	2	3	4	6	6+TiAlN
6 mm. SHANK	P61202	12.0	2.6	6	48	-					
	P62503	25.0	3.2	6	48	90° + Radial	163,29				
	P62505	25.0	5.5	6	50	90°	170,32				
	P62506	25.0	6.3	6	51	Radial	144,51				
	P63806	38.0	6.1	6	51	90° + Radial	350,94				

		Cuts - PRICE									
		D1 mm	L2 mm	D2 mm	L1 mm	Angle	2	3	4	6	6+TiAlN
8 mm. SHANK	P82503	25.0	3.2	8	48	90° + Radial	163,29				
	P82505	25.0	5.5	8	50	90°	170,32				
	P82506	25.0	6.3	8	51	Radial	144,51				
	P83806	38.0	6.1	8	51	90° + Radial	350,94				

RADIAL BURR

SOLID CARBIDE



Reference


Dimensions - En mm

	D1	L2	L3	D2	L1	Angle	€
CMN61225-2	12,8	25	16	6	70	20°	81,99

MINIATURE CARBIDE ROTARY BURRS

MATERIAL

SOLID CARBIDE **INOX** **Ti** **Ni** **CAST IRON**



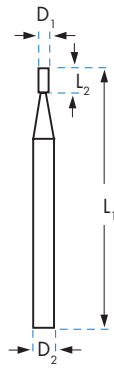
Micro standard cut for general purposes

APPLICATIONS

- Precision pieces producers
- Jewellery applications
- Turbines producers



Accurate drilling of precious stones



		D ₁ mm	L ₁ mm	L ₂ mm	D ₂ mm	€	
TYPE A	Cylinder without end cut	A30104-2M	1,0	38,0	4,0	3,0	24,77
		A31504-2M	1,5	38,0	4,0	3,0	24,77
		A30204-2M	2,0	38,0	4,0	3,0	24,77
TYPE C	Ball nosed cylinder	C30104-2M	1,0	38,0	4,0	3,0	24,77
		C31504-2M	1,5	38,0	4,0	3,0	24,77
		C30204-2M	2,0	38,0	4,0	3,0	24,77
TYPE D	Ball	D30101-2M	1,0	38,0	1,0	3,0	24,77
		D31515-2M	1,5	38,0	1,5	3,0	24,77
		D30202-2M	2,0	38,0	2,0	3,0	24,77
TYPE E	Oval	E31504-2M	1,5	38,0	4,0	3,0	24,77
TYPE F	Ball nosed tree	F31504-2M	1,5	38,0	4,0	3,0	24,77
TYPE G	Pointed tree	G31504-2M	1,5	38,0	4,0	3,0	24,77
TYPE M	Cone	M31504-2M	1,5	38,0	4,0	3,0	24,77

Recommended operating speeds 70.000 rpm

MICRO BURR SET

BSMicro

Content: 10 Miniatures rotary burrs

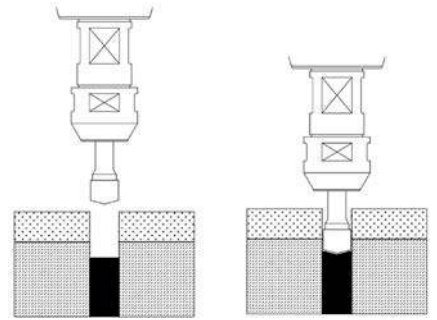


TYPE A	Cylinder without end cut: A30104-2M A31504-2M	TYPE E	Oval: E31504-2M
TYPE C	Ball nosed cylinder: C30104-2M C31504-2M	TYPE F	Ball nosed tree: F31504-2M
TYPE D	Ball: D30101-2M D31515-2M	TYPE G	Pointed tree: G31504-2M
		TYPE M	Cone: M31504-2M

PRICE.: 247,72 €

BOLT REMOVER

- Centering carbide burr system - Maximizing the potential of drilling threads on centre
- Extracting of broken bolt threads - Reducing damage to existing threaded holes
- Guided steps to accomplish required outcome - Saving the threads and the component
- Choose the correct size of the carbide burr for the broken bolt



	Size Bolt/Tap	D ₁ mm	L ₁ mm	D ₂ mm	L ₂ mm	RPM	Type	€
K60520-2BR	M6	4,9	5,0	6,0	50,0	60.000	Solid Carbide	30,05
K60705-2BR	M8	6,4	5,0	6,0	50,0	55.000	Welded	30,05
K60805-2BR	M10	7,8	5,0	6,0	50,0	53.000	Welded	39,30
K61005-2BR	M12	9,3	5,0	6,0	50,0	50.000	Welded	41,37
K61105-2BR	M14	10,7	5,2	6,0	50,0	45.000	Welded	61,19

CARBIDE ROTARY BURR SETS

Ø 6 mm. SHANK



REFERENCE	PTFR31	PTFR32	PTFR33
QUANTITY	10	10	10
CUTS	6	6	3
QUALITY	CARBIDE	CARBIDE	CARBIDE AI
CONTENT	A61020-6E A61225-6E C61020-6 C61225-6 L61228-6 E61015-6 G61020-6 G61225-6 D61212-6 F61225-6	A60820-6E A61020-6E C60820-6 C61020-6 D60808-6 D61010-6 F60820-6 F61020-6 L60822-6 L61026-6	A60820-3E A61020-3E C60820-3 C61020-3 D60808-3 D61010-3 F60820-3 F61020-3 L61026-3 L61228-3
PRICE €	438,22	343,76	446,62

Ø 3 mm. SHANK

Ø 6 mm. SHANK

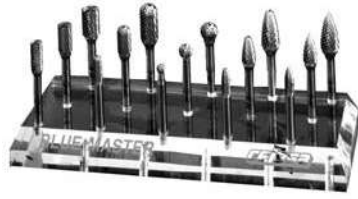


REFERENCE	PTFR34	PTFR35	PTFR36
QUANTITY	10	5	5
CUTS	6	6	3
QUALITY	CARBIDE	CARBIDE	CARBIDE AI
CONTENT	A30314-6 A30314-6E C30312-6 D30303-6 E30306-6 F30312-6 G30312-6 H30306-6 L30312-6 M30311-6	A61225-6E M61222-6 C61225-6 D61212-6 F61225-6	A61225-3E L61228-3 C61225-3 D61212-3 F61225-3
PRICE €	152,13	244,48	312,59

REFERENCE	PTFR41	PTFR42	PTFR43	PTFR44
QUANTITY	4	4	4	4
CUTS	6	6	6	3
QUALITY	CARBIDE	CARBIDE	CARBIDE	CARBIDE AI
CONTENT	A61225-6E C61225-6 F61225-6 G61225-6	A60820-6E C60820-6 F60820-6 G60820-6	A61225-6E C61225-6 M61222-6 G61225-6	A61225-3E C61225-3 F61225-3 G61225-3
PRICE €	202,67	126,40	198,98	261,30



* Other sets on request.

CARBIDE ROTARY BURRS DISPLAYS AND SETS


REFERENCE	EMFR-01		
QUANTITY	15		
QUALITY	CARBIDE		
CONTENT	A60618-6E C60618-6 D60606-6 F60618-6 G60618-6	A61020-6E C61020-6 D61010-6 F61020-6 G61020-6	A61225-6E C61225-6 D61212-6 F61225-6 G61225-6
PRICE €	549,79		

REFERENCE	EMFR-02		
QUANTITY	15		
QUALITY	CARBIDE		
CONTENT	A61225-6 D61212-6 G61225-6 L61228-6 A61225-6-150	A61225-6E E61220-6 H61232-6 M60620-6 C61225-6-150	C61225-6 F61225-6 K61206-6 N61212-6 F61225-6-150
Long series			
PRICE €	796,66		

REFERENCE	AUTOMOCION		
QUANTITY	8		
QUALITY	CARBIDE		
CONTENT	A60820-6E C60820-6 D60606-6	D60808-6 E61220-6 H61232-6	L61026-6 M61020-6
PRICE €	313,81		

REFERENCE	B52		
QUANTITY	8		
QUALITY	CARBIDE		
CONTENT	A61225-6 C61225-6 D61212-6	E61220-6 F61225-6 G61225-6	H61232-6 M61222-6
PRICE €	404,28		



* Other sets on request.



T12

Content:

- * 1 Propower model P25 Die grinder 25.000 R.P.M. 0,55 HP with safety lever and 6 mm collet (Proven durability in production works)
- * 5 rotary burrs **REF. C61225-6**
- * 5 rotary burrs **REF. F61225-6**
- * 1 Air inlet and exhaust hose assemblies

PRICE: 982,25 €



T3

Content:

- * 1 Propower Die grinder 75.000 R.P.M. 0,15 HP with 3 mm collet
- * 10 Rotary burrs in 3 mm shank to choose

PRICE: 1.251,72 €

METHACRYLATE DISPLAYS FOR CARBIDE ROTARY BURRS



Ref. **MINILUX-1**

MINILUX-1

Content: 30 Carbide rotary burrs

x 1 Uds :	A61225-6E	D61212-6	G61225-6
	C61225-6	F61225-6	L61228-6
x 2 Uds:	A60820-6E	D60808-6	G60820-6
	A61020-6E	D61010-6	G61020-6
	C60820-6	F60820-6	L60822-6
	C61020-6	F61020-6	L61026-6

Dimensions: width 210 x depth 210 x height 210 mm.

1.113,80 €



Ref. **MAXILUX-2**

MAXILUX-2

Content: 180 Carbide rotary burrs

x 5 Uds:	A60618-6	D60606-6	M60620-6
	A60820-6	D60808-6	M61020-6
	A61020-6	D61010-6	M61222-6
	A61225-6	D61212-6	L60618-6
	A60618-6E	F60618-6	L60822-6
	A60820-6E	F60820-6	L61026-6
	A61020-6E	F61020-6	L61228-6
	A61225-6E	F61225-6	H60820-6
	C60618-6	G60618-6	H61232-6
	C60820-6	G60820-6	E60815-6
	C61020-6	G61020-6	E61015-6
	C61225-6	G61225-6	E61220-6

Dimensions: width 250 x depth 365 x height 235 mm.

6.630,16 €



Ref. **BS40**

BS40

Content: 40 Carbide rotary burrs

x 2 Uds:	A60618-6E	F60618-6	L60618-6
	A60820-6E	F60820-6	L60822-6
	A61020-6E	F61020-6	L61026-6
	A61225-6E	F61225-6	L61228-6
	C60618-6	G60618-6	
	C60820-6	G60820-6	
	C61020-6	G61020-6	
	C61225-6	G61225-6	

Dimensions: width 65 x depth 245 x height 300 mm.

1.486,91 €

DIE GRINDERS FOR ROTARY BURRS



The large range of BLUE-MASTER rotary burrs is completed by the range of die grinders which allow to maximize your efficiency and productivity.

With an excellent relation between power and weight, our range of air die grinders offers 3 different models focused to sectors such as aeronautics, foundry, automotive, shipyards, etc...

This range of industrial air die grinders optimizes the results in all applications such as polishing, roughing and finishing of surfaces.

They offer the best, the most reliable and safest solution for all the roughing and finishing applications.



ROTARY TOOL FLEXIBLE SHAFT EXTENSION



- For an improved control and for precision working.
- Suitable for a majority of rotary tools and for 3 mm shank tools.
Thread 19x2mm.
- Great for working in reduced spaces.
- Max speed: 28000 rpm.

L : 1070 mm

RTFD

19,20 €

DIE GRINDERS FOR ROTARY BURRS



HIGH POWER DIE GRINDER - P25

- Engine offers more power and less air consumption.
- Throttle valve for smoother start up action.
- Moulded sleeve for improved ergonomoy, operator comfort and insulation.
- Ergonomically designed lever construction.

	R.P.M. 6.3 BAR	HP	WEIGHT Kg.	D1 x L1 mm.	EXTENSION spindle	Ø mm. COLLET	OUTLET AIR	REPLACEMENT ENGINE	€
P25	25.000	1.10	0,73	36 x 152	without extension	6 mm.	Ahead	YES	681,70



LOW VIBRATION DIE GRINDER - P25LR

- Unique anti-vibration dampening system.
- Throttle valve for smoother start up action.
- Moulded sleeve for improved ergonomoy, operator comfort and insulation.
- Ergonomically designed lever construction.
- Recommended for long term work.

	R.P.M. 6.3 BAR	HP	WEIGHT Kg.	D1 x L1 mm.	EXTENSION spindle	Ø mm. COLLET	OUTLET AIR	REPLACEMENT ENGINE	€
P25LR	25.000	1.10	0,80	36 x 160	without extension	6 mm.	Ahead	YES	774,91



EXTENDED STRAIGHT DIE GRINDER – P25XLR

- Engine offers more power and less air consumption.
- Throttle valve for smoother start up action.
- Ergonomically designed lever construction.
- Spider coupling for improved transmission strength.

	R.P.M. 6.3 BAR	HP	WEIGHT Kg.	D1 x L1 mm.	EXTENSION spindle	Ø mm. COLLET	OUTLET AIR	REPLACEMENT ENGINE	€
P25XLR	25.000	1.10	1,3	40 x 345	12 x 150	6 mm.	Ahead	NO	1.025,45



Spare parts prices on request.

DIAMOND ROTARY BURRS



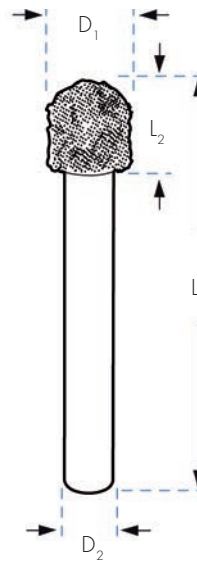
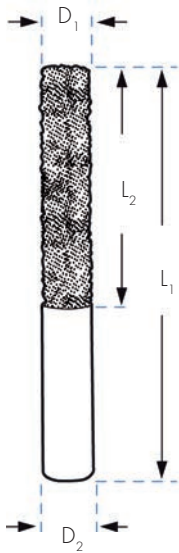
APPLICATIONS

Construction:

- Stone, Sandstone, Marble, Granite

Composite materials:

- Fiberglass, Carbon and graphite, glass, polyester, plastics

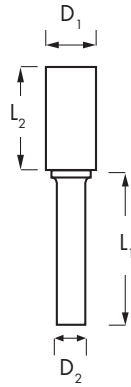


	D ₁ mm	D ₂ mm	L ₁ mm	L ₂ mm	A..D
					€
A30211D	2,40	3	38	11,00	29,42
A30314D	3,00	3	38	14,00	32,14
A30605D	6,35	3	44	4,70	32,01
A30612D	6,35	3	51	12,70	43,27
A60610D	6,00	6	50	10,00	44,74
A60820D	8,00	6	64	19,20	48,95
A80838D	8,00	8	66	38,00	70,12
A61020D	9,60	6	64	19,00	53,34
A61125D	11,00	6	70	25,40	71,36
A61220D	12,50	6	64	19,20	70,47
A61225D	12,50	6	70	25,40	73,60
A61525D	15,80	6	70	25,40	88,47
A62025D	19,20	6	70	25,40	117,50
A62525D	25,00	6	70	25,40	135,52

	D ₁ mm	D ₂ mm	L ₁ mm	L ₂ mm	C..D
					€
C30211D	2,40	3	38	11,00	33,46
C30612D	6,35	3	51	12,70	46,72
C60618D	6,00	6	50	18,00	50,90
C60820D	8,00	6	64	19,20	55,69
C60840D	8,00	6	64	38,00	62,65
C80838D	8,00	8	66	38,00	66,20
C61020D	9,60	6	64	19,20	59,75
C61011D	10,00	6	50	11,00	82,01
C61035D	10,00	6	66	35,00	63,75
C61125D	11,00	6	70	25,40	79,91
C61220D	12,50	6	64	19,20	78,93
C61225D	12,50	6	70	25,40	82,42
C61525D	15,80	6	70	25,40	99,09
C62025D	19,20	6	70	25,40	131,61
C62525D	25,00	6	70	25,40	151,78

CYLINDRICAL MOUNTED POINTS

TYPE
A



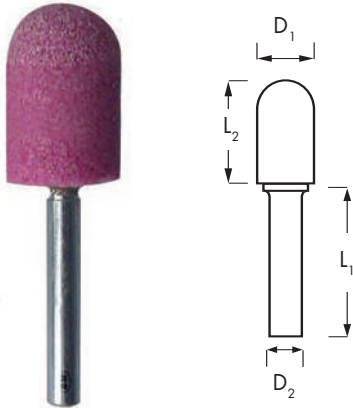
3 mm. SHANK

	D ₁ mm	L ₂ mm	D ₂ mm	L ₁ mm	A
					€
MA030408V	4.0	8.0	3	32	3,67
MA030510V	5.0	10.0	3	32	3,75
MA030515V	5.0	15.0	3	32	3,85
MA030613V	6.0	13.0	3	32	3,75
MA030625V	6.0	25.0	3	32	5,81
MA030810V	8.0	10.0	3	32	3,85
MA030816V	8.0	16.0	3	32	5,18
MA031013V	10.0	13.0	3	32	5,18
MA031313V	13.0	13.0	3	32	4,56
MA031340V	13.0	40.0	3	32	8,13
MA032050V*	20.0	50.0	3	32	9,77

* Till end of stock

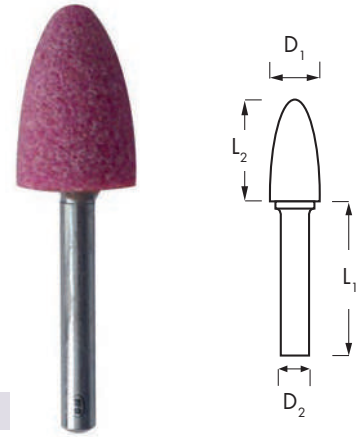
6 mm. SHANK

	D ₁ mm	L ₂ mm	D ₂ mm	L ₁ mm	A
					€
MA060510V*	5.0	10.0	6	32	4,00
MA060515V*	5.0	15.0	6	32	4,09
MA060613V	6.0	13.0	6	32	4,00
MA060625V	6.0	25.0	6	32	6,18
MA060810V	8.0	10.0	6	32	4,09
MA060816V	8.0	16.0	6	32	5,52
MA061013V	10.0	13.0	6	32	4,57
MA061020V	10.0	20.0	6	32	5,81
MA061025V	10.0	25.0	6	32	6,18
MA061032V	10.0	32.0	6	32	6,95
MA061313V	13.0	13.0	6	32	4,87
MA061320V	13.0	20.0	6	32	5,62
MA061325V	13.0	25.0	6	32	5,99
MA061340V	13.0	40.0	6	32	8,66
MA061610V	16.0	10.0	6	32	5,71
MA061620V	16.0	20.0	6	32	5,99
MA062010V	20.0	10.0	6	32	5,99
MA062020V	20.0	20.0	6	32	6,28
MA062025V	20.0	25.0	6	32	6,67
MA062032V	20.0	32.0	6	32	7,42
MA062040V	20.0	40.0	6	32	8,95
MA062050V	20.0	50.0	6	32	10,29
MA062510V	25.0	10.0	6	32	6,57
MA062513V	25.0	13.0	6	32	6,67
MA062516V	25.0	16.0	6	32	6,76
MA062525V	25.0	25.0	6	32	7,52
MA062532V	25.0	32.0	6	32	8,37
MA062540V	25.0	40.0	6	32	9,71
MA063216V	32.0	16.0	6	32	7,13
MA063220V	32.0	20.0	6	32	7,52
MA063232V	32.0	32.0	6	32	9,15
MA063240V	32.0	40.0	6	32	11,52
MA064010V	40.0	10.0	6	32	9,05
MA064015V	40.0	15.0	6	32	10,38
MA064020V	40.0	20.0	6	32	11,14
MA064040V	40.0	40.0	6	32	15,04
MA065013V	50.0	13.0	6	32	11,81
MA065025V	50.0	25.0	6	32	14,65
MA065040V	50.0	40.0	6	32	17,62

CYLINDRICAL MOUNTED POINTS WITH ROUNDED HEAD
**TYPE
C**


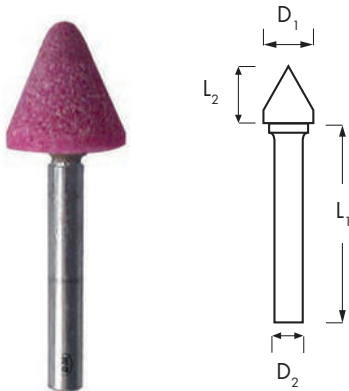
6 mm. SHANK

C					
	D1 mm	L2 mm	D2 mm	L1 mm	€
MC060510V	5.0	10.0	6	32	5,20
MC060816V	8.0	16.0	6	32	7,18
MC061320V	13.0	20.0	6	32	7,29
MC062025V	20.0	25.0	6	32	8,66
MC062532V	25.0	32.0	6	32	10,89

RIB MOUNTED POINTS
**TYPE
F**


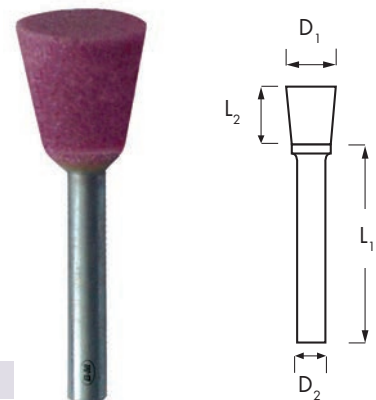
6 mm. SHANK

F					
	D1 mm	L2 mm	D2 mm	L1 mm	€
MF060510V	5.0	10.0	6	32	5,20
MF060816V	8.0	16.0	6	32	7,18
MF061320V	13.0	20.0	6	32	7,29
MF062032V	20.0	32.0	6	32	9,65
MF062050V	20.0	50.0	6	32	13,37
MF062540V	25.0	40.0	6	32	12,62

CONICAL MOUNTED POINTS
**TYPE
M**


6 mm. SHANK

M					
	D1 mm	L2 mm	D2 mm	L1 mm	€
MM061010V	10.0	10.0	6	32	5,33
MM061025V	10.0	25.0	6	32	8,03
MM061313V	13.0	13.0	6	32	6,30
MM061616V	16.0	16.0	6	32	7,54
MM061645V	16.0	45.0	6	32	13,37
MM062020V	20.0	20.0	6	32	8,16
MM062032V	20.0	32.0	6	32	9,65
MM062040V	20.0	40.0	6	32	11,63
MM062525V	25.0	25.0	6	32	9,77
MM062545V	25.0	45.0	6	32	13,61
MM063232V	32.0	32.0	6	32	11,88
MM063250V	32.0	50.0	6	32	19,05

REVERSE CONE MOUNTED POINTS
**TYPE
N**


6 mm. SHANK

N					
	D1 mm	L2 mm	D2 mm	L1 mm	€
MN062016V	20.0	16.0	6	32	9,28
MN062520V	25.0	20.0	6	32	10,72
MN063225V	32.0	25.0	6	32	12,56
MN064032V	40.0	32.0	6	32	19,56