

CARBIDE BURS

Even Cut burs are manufactured on CNC machines creating the most consistent product available. Premium grade carbide is used to create the toughest bur that won't chip while providing exceptional tool life. We offer a diverse line of burs for your specific application. Single and double cut products are designed for ferrous materials. The non-ferrous design quickly removes unwanted material in aluminum, plastic and brass. See our application and speed chart on page 19 to assist in the proper tool selection.



cylinder carbide bur

descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SA-42	3/32"	7/16"	1/8"	1-1/2"	76000	76021		
SA-43	1/8"	9/16"	1/8"	1-1/2"	76001	76022		
SA-1	1/4"	5/8"	1/4"	2"	76004	76025	76055	
SA-3	3/8"	3/4"	1/4"	2-1/2"	76006	76027	76057	



ball nose cylinder carbide bur

descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SC-41	3/32"	7/16"	1/8"	1-1/2"	76096	76115		
SC-42	1/8"	9/16"	1/8"	1-1/2"	76097	76116		
SC-1	1/4"	1/2"	1/4"	2"	76099	76118	76139	
SC-3	3/8"	3/4"	1/4"	2-1/2"	76101	76120	76141	
SC-5	1/2"	1"	1/4"	2-3/4"	76104	76123	76142	



ball carbide bur

descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SD-42	1/8"	1/8"	1/8"	1-1/2"	76146	76158		
SD-1	1/4"	7/32"	1/4"	2"	76149	76161	76172	
SD-3	3/8"	5/16"	1/4"	2"	76151	76163		
SD-5	1/2"	7/16"	1/4"	2-1/4"	76153	76165	76175	



oval carbide bur

descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SE-41	1/8"	7/32"	1/8"	1-1/2"	76179	76187		
SE-1	1/4"	3/8"	1/4"	2"	76181	76189		
SE-3	3/8"	5/8"	1/4"	2"	76183	76191	76196	
SE-5	1/2"	7/8"	1/4"	2-3/4"	76184	76192	76197	



ball nose tree carbide bur


descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SF-42	1/8"	1/2"	1/8"	1-1/2"	76200	76216		
SF-1	1/4"	3/4"	1/4"	2"	76202	76218	76236	
SF-3	3/8"	3/4"	1/4"	2-1/2"	76204	76220	76238	
SF-5	1/2"	1"	1/4"	2-3/4"	76207	76223	76239	



tree carbide bur


descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SG-44	1/8"	1/2"	1/8"	1-1/2"	76243	76261		
SG-1	1/4"	5/8"	1/4"	2"	76245	76263		
SG-3	3/8"	3/4"	1/4"	2-1/2"	76247	76265		

flame carbide bur

descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SH-41	1/8"	1/4"	1/8"	1-1/2"	76279	76284		
SH-2	5/16"	3/4"	1/4"	2-1/2"	76280	76285		
SH-5	1/2"	1-1/4"	1/4"	3"	76281	76286		




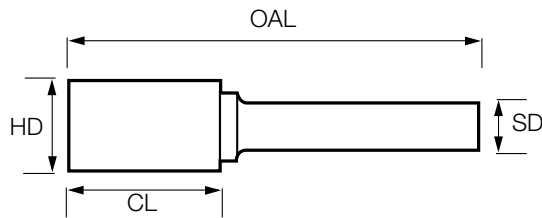
ball nose cone carbide bur

descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SL-42	1/8"	1/2"	1/8"	1-1/2"	76314	76325		
SL-1	1/4"	5/8"	1/4"	2"	76316	76327	76338	
SL-3	3/8"	1-1/16"	1/4"	3"	76318	76329	76339	
SL-5	5/8"	1-3/16"	1/4"	3"	76320	76331	76341	



cone carbide bur

descrip.	head dia.	cut length	shank dia.	overall length	single cut	part no. double cut	non ferrous	profile
SM-42	1/8"	7/16"	1/8"	1-1/2"	76343	76351		
SM-43	1/8"	5/8"	1/8"	1-1/2"	76344	76352		
SM-1	1/4"	3/4"	1/4"	2"	76346	76354		
SM-4	3/8"	3/4"	1/4"	2-1/2"	76347	76355		



HD = carbide head diameter
 CL = carbide head length
 SD = steel shank diameter
 OAL = overall bur length

bur cuts

single cut

- general purpose
- recommended for deburring, weld preparation, metal removal
- ideal on steels, copper, cast iron, nickel alloys



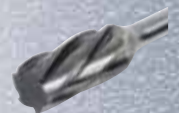
double cut

- very fine chip size
- smooth operation-less vibration
- high cutting action



non-ferrous cut

- wide teeth spacing
- reduced clogging of teeth
- ideal for non-ferrous/soft materials



recommended running speeds

size of bur	aluminum alloys, zinc base alloys, plastics, fiberglass	brass, cast iron, copper, bronze	unhardened steel	hardened steels, nimonic, stainless steel, ceramics, titanium
1/8"	30,000 to 90,000	45,000 to 90,000	60,000 to 90,000	60,000 to 90,000
1/4"	15,000 to 70,000	22,500 to 60,000	45,000 to 60,000	30,000 to 45,000
3/8"	10,000 to 50,000	15,000 to 40,000	30,000 to 40,000	19,000 to 30,000
1/2"	7,000 to 38,000	11,000 to 30,000	22,500 to 30,000	15,000 to 22,500
5/8"	6,000 to 30,000	9,000 to 24,000	18,000 to 24,000	12,000 to 18,000