

1-800-GRAINGER (472-4643)



# Carbide Burs

- For long shank burs, see Grainger.com
- For information on overall length, see Grainger.com

For information on overall length, see Granger.com						Single Cut		Double Cut	
Trade No.	Cutter Dia.	Length of Cut	Shank Size	Overall Length	Max. Speed	Brand	Item No.	Brand	Item No.
Ball									
SD-01	1/4"	1/4 in	1/4"	2 in	—	Widia	2RXP6	—	—
SD-1	1/4"	1/2 in	1/4"	2 in	65,000 RPM	—	22XY97 *	—	22YC02 *
SD-1	1/4"	1/4 in	1/4"	2 in	—	—	—	Widia	12408
SD-1	1/4"	1/2 in	1/4"	2 in	30,000 RPM	—	—	—	190838
SD-1	1/4"	1/2 in	1/4"	2 in	55,000 RPM	—	—	Sgs Pro	38TA60 *
SD-1L6	1/4"	1/4 in	1/4"	6 1/4 in	—	—	—	—	6KJN1
SD-1L6	1/4"	1/2 in	1/4"	6 1/2 in	65,000 RPM	—	—	—	22YD76 *
SD-02	5/16"	5/16 in	1/4"	2 1/2 in	—	—	—	Widia	429Y67
SD-2	5/16"	1/4 in	1/4"	2 in	65,000 RPM	—	22XY98	—	22YC03
SD-03	3/8"	3/8 in	1/4"	2 3/4 in	—	Widia	2RPX7	—	—
SD-3	3/8"	3/8 in	1/4"	2 3/4 in	—	Widia	6KJH8	Widia	12410
SD-3	3/8"	5/16 in	1/4"	2 1/4 in	40,000 RPM	—	19D692	—	—
SD-3	3/8"	5/16 in	1/4"	2 3/4 in	40,000 RPM	—	—	—	19D844
SD-3	3/8"	5/16 in	1/4"	3 1/8 in	65,000 RPM	—	22XY99	—	22YC04
SD-3	3/8"	5/16 in	1/4"	6 3/8 in	—	—	—	Widia	6KJN2
SD-3L6	3/8"	5/16 in	1/4"	6 3/8 in	65,000 RPM	—	22YD51	—	22YD77
SD-4	1/2"	3/8 in	1/4"	2 1/8 in	40,000 RPM	—	19D696	—	—
SD-4	1/2"	3/8 in	1/4"	2 1/8 in	65,000 RPM	—	22XZ01	—	22YC05
SD-05	1/2"	1/2 in	1/4"	2 1 3/4 in	—	Widia	2RPX8	—	—
SD-5	1/2"	1/2 in	1/4"	2 1 3/4 in	—	—	—	Widia	12412
SD-5	1/2"	1/16 in	1/4"	2 1/8 in	28,000 RPM	—	—	Sgs Pro	38TA63
SD-5	1/2"	1/16 in	1/4"	2 1/8 in	65,000 RPM	—	22XZ02	—	22YC06
SD-5	1/2"	1/16 in	1/4"	2 1/8 in	40,000 RPM	—	—	—	19D851
SD-5L6	1/2"	1/16 in	1/4"	6 1/8 in	65,000 RPM	—	22YD52	—	22YD78
SD-6	5/8"	5/8 in	1/4"	2 3/8 in	65,000 RPM	—	22XZ03	—	22YC07
SD-7	3/4"	3/4 in	1/4"	2 1/2 in	—	Widia	6KJH9	Widia	6KJN4
SD-7	3/4"	1 1/8 in	1/4"	2 1/2 in	65,000 RPM	—	22XZ04	—	22YC08
SD-9	1"	1 in	1/4"	2 1 1/2 in	—	—	—	Widia	6KJN5
SD-9	1"	1 1/8 in	1/4"	2 1 1/2 in	15,000 RPM	—	19D708	—	—
SD-9	1"	1 1/8 in	1/4"	2 1 1/2 in	65,000 RPM	—	22XZ05	—	22YC09
SD-11	1/8"	5/32 in	1/4"	2 in	65,000 RPM	—	22XY91 *	—	22YA95
SD-11	1/8"	1/8 in	1/4"	2 in	—	Widia	6KJH4	Widia	2RPJ3
SD-11	1/8"	5/32 in	1/4"	2 in	100,000 RPM	—	—	Sgs Pro	38TA65 *
SD-14	3/16"	1/8 in	1/4"	2 in	65,000 RPM	—	22XY94 *	—	22YA98
SD-40	1/16"	1/16 in	1/8"	1 1/2 in	—	Widia	6KJH3 *	Widia	12300 *
SD-41	3/32"	3/32 in	1/4"	1 1/2 in	—	Widia	2RPX5 *	Widia	12300 *
SD-41	3/32"	3/32 in	1/4"	1 1/2 in	90,000 RPM	—	22XY88 *	—	22YA93 *
SD-42	1/8"	1/8 in	1/4"	1 1/2 in	—	—	—	Widia	12294 *
SD-42	1/8"	1/8 in	1/4"	1 1/2 in	90,000 RPM	—	22XY89 *	—	22YA94 *
SD-42	1/8"	1/8 in	1/4"	1 1/2 in	100,000 RPM	—	38TA67 *	Sgs Pro	38TA68 *
SD-42	1/8"	1/8 in	1/4"	1 1/2 in	70,000 RPM	—	—	—	19D850 *
SD-51	1/4"	1/4 in	1/4"	1 3/4 in	—	Widia	6KJH7 *	Widia	2RPJ4
SD-51	1/4"	1/2 in	1/4"	1 3/4 in	90,000 RPM	—	22XY95 *	—	22YA99 *
SD-51	1/4"	1/2 in	1/4"	1 3/4 in	40,000 RPM	—	—	—	19D852
SD-52	5/32"	5/32 in	1/4"	1 1 1/2 in	90,000 RPM	—	22XY96 *	—	22YC01 *
SD-53	3/16"	3/16 in	1/4"	1 1/2 in	—	—	—	Widia	6KJL9 *
SD-53	3/16"	5/32 in	1/4"	1 1/2 in	40,000 RPM	—	19D703 *	—	19D853 *
SD-53	3/16"	5/32 in	1/4"	1 1 1/2 in	90,000 RPM	—	22XY92 *	—	22YA96 *
Cylinder - End Cut									
SB-1	1/4"	5/8 in	1/4"	2 in	65,000 RPM	—	22XY51 *	—	22YA57 *
SB-1	1/4"	5/8 in	1/4"	2 in	30,000 RPM	—	19D653	—	—
SB-1	1/4"	5/8 in	1/4"	2 in	—	Widia	6KJH3 †	Widia	12320 *
SB-1	1/4"	5/8 in	1/4"	2 in	40,000 RPM	—	—	—	19D809 *
SB-2	5/16"	3/4 in	1/4"	2 1/2 in	60,000 RPM	—	22XY52	—	22YA60
SB-2	5/16"	3/4 in	1/4"	2 1/2 in	40,000 RPM	—	—	—	19D815
SB-3	3/8"	3/4 in	1/4"	2 1/2 in	—	Widia	2RPW7	Widia	12328
SB-3	3/8"	3/4 in	1/4"	2 1/2 in	60,000 RPM	—	22XY53	—	22YA58
SB-3	3/8"	3/4 in	1/4"	2 1/2 in	40,000 RPM	—	19D655	—	19D812
SB-4	1/2"	1 in	1/4"	2 3/4 in	60,000 RPM	—	22XY55	—	22YA61
SB-5	1/2"	1 in	1/4"	2 3/4 in	—	Widia	2RPW8	Widia	12336
SB-5	1/2"	1 in	1/4"	2 3/4 in	—	Widia	6KJH5 †	—	—
SB-5	1/2"	1 in	1/4"	2 3/4 in	50,000 RPM	—	22XY62	—	22YA68
SB-5	1/2"	1 in	1/4"	2 3/4 in	40,000 RPM	—	19D651	—	19D808
SB-6	5/8"	1 in	1/4"	2 3/4 in	—	—	—	Widia	6KJL4
SB-6	5/8"	1 in	1/4"	2 3/4 in	50,000 RPM	—	22XY56	—	22YA62
SB-6	5/8"	1 in	1/4"	2 3/4 in	25,000 RPM	—	—	—	19D814
SB-7	3/4"	1 in	1/4"	2 3/4 in	—	—	—	Widia	12344
SB-7	3/4"	1 in	1/4"	2 3/4 in	35,000 RPM	—	22XY59	—	22YA65
SB-8	7/8"	1 in	1/4"	2 3/4 in	—	—	22XY60	—	22YA66
SB-9	1"	1 in	1/4"	2 3/4 in	30,000 RPM	—	22XY61	—	22YA67
SB-11	1/8"	1/2 in	1/4"	2 in	90,000 RPM	—	22XY44 *	—	22YA50 *
SB-12	1/8"	5/8 in	1/4"	2 in	90,000 RPM	—	22XY39 *	—	22YA45 *
SB-13	5/32"	5/8 in	1/4"	2 in	—	—	22XY48 *	—	22YA54 *
SB-14	3/16"	5/8 in	1/4"	2 in	30,000 RPM	—	—	—	19D813
SB-14	3/16"	5/8 in	1/4"	2 in	75,000 RPM	—	22XY49 *	—	22YA55 *
SB-15	3/4"	1 1/2 in	1/4"	2 1/4 in	35,000 RPM	—	22XY57	—	22YA63
SB-16	3/4"	3/4 in	1/4"	2 1/2 in	35,000 RPM	—	22XY58	—	22YA64
SB-41	1/16"	1/4 in	1/8"	1 1/2 in	—	Widia	6KJH8 *	—	—
SB-41	1/16"	1/4 in	1/8"	1 1/2 in	100,000 RPM	—	22XY40 *	—	22YA46 *
SB-42	3/32"	1/16 in	1/8"	1 1/2 in	—	—	22XY41 *	—	22YA47 *
SB-42	3/32"	1/16 in	1/8"	1 1/2 in	70,000 RPM	—	19D658	—	19D816
SB-43	1/8"	5/16 in	1/8"	1 1/2 in	90,000 RPM	—	22XY45 *	—	22YA51 *
SB-51	1/4"	1 1/2 in	1/4"	1 3/4 in	—	—	—	Widia	2NHH9 *
SB-51	1/4"	3/4 in	1/4"	1 1 1/4 in	65,000 RPM	—	22XY50 *	—	22YA56 *
Cylinder - No End Cut									
SA-1	1/4"	5/8 in	1/4"	2 in	—	Widia	2RPW3	Widia	12318 *
SA-1	1/4"	5/8 in	1/4"	2 in	65,000 RPM	—	22XY28 *	—	22YA34 *
SA-1	1/4"	5/8 in	1/4"	2 in	30,000 RPM	—	19D632	—	—
SA-1	1/4"	5/8 in	1/4"	2 in	40,000 RPM	—	—	—	19D788 *
SA-2	5/16"	3/4 in	1/4"	2 1/2 in	60,000 RPM	—	22XY29	—	22YA35
SA-2	5/16"	3/4 in	1/4"	2 1/2 in	—	—	—	Widia	6KJL0
SA-2	5/16"	3/4 in	1/4"	2 1/2 in	40,000 RPM	—	19D636	—	19D792
SA-3	3/8"	3/4 in	1/4"	2 1/2 in	—	Widia	2RPW4	Widia	12326
SA-3	3/8"	3/4 in	1/4"	2 1/2 in	60,000 RPM	—	22XY30	—	22YA36
SA-3	3/8"	3/4 in	1/4"	2 1/2 in	40,000 RPM	—	19D637	—	19D793
SA-4	1/2"	1 in	1/4"	2 3/4 in	60,000 RPM	—	22XY31	—	22YA37
SA-5	1/2"	1 in	1/4"	2 1/2 in	50,000 RPM	—	22XY32	—	22YA38
SA-5	1/2"	1 in	1/4"	2 3/4 in	—	Widia	2RPW5	Widia	12334



Trade No.	Cutter Dia.	Length of Cut	Shank Size	Overall Length	Max. Speed	Single Cut		Double Cut		
						Brand	Item No.	Brand	Item No.	
SA-5	1/2"	1 in	1/4"	2 3/4 in	40,000 RPM	Widia	19D643	—	19D799	
SA-6	5/8"	1 in	1/4"	2 3/4 in	—		6KJD6	Widia	6KJL1	
SA-6	5/8"	1 in	1/4"	2 3/4 in	50,000 RPM		22XY33	—	22YA39	
SA-6	5/8"	1 in	1/4"	2 3/4 in	25,000 RPM		19D648	—	—	
SA-7	3/4"	1 in	1/4"	2 3/4 in	35,000 RPM	—	22XY36	—	22YA42	
SA-7	3/4"	1 in	1/4"	2 3/4 in	—	Widia	—	—	6KJL5	
SA-7	3/4"	1 in	1/4"	2 3/4 in	20,000 RPM		—	—	19D806	
SA-8	7/8"	1 in	1/4"	2 3/4 in	—		22XY37	—	22YA43	
SA-9	1"	1 in	1/4"	2 3/4 in	30,000 RPM		22XY38	—	22YA44	
SA-9	1"	1 in	1/4"	2 3/4 in	15,000 RPM	—	19D650	—	—	
SA-11	1/8"	1/2 in	1/4"	2 in	90,000 RPM	—	22XY17 *	—	22YA23 *	
SA-11	1/8"	1/2 in	1/4"	2 in	70,000 RPM	—	19D633	—	19D789	
SA-11	1/8"	1/2 in	1/4"	2 in	—	Widia	—	—	2NHH6 *	
SA-12	1/8"	5/8 in	1/4"	2 in	90,000 RPM		—	—	22YA24 *	
SA-13	5/32"	5/8 in	1/4"	2 in	—		22XY22 *	—	22YA29 *	
SA-14	3/16"	5/8 in	1/4"	2 in	75,000 RPM		22XY26 *	—	22YA32 *	
SA-15	3/4"	1 1/2 in	1/4"	2 1/4 in	35,000 RPM	—	22XY34	—	22YA40	
SA-16	3/4"	3/4 in	1/4"	2 1/2 in	35,000 RPM	—	22XY35	—	22YA41	
SA-41	1/16"	1/4 in	1/8"	1 1/2 in	100,000 RPM	—	22XY12 *	—	22YA17 *	
SA-41	1/16"	1/4 in	1/8"	1 1/2 in	—	Widia	—	—	6KJH8 *	
SA-41	1/16"	1/4 in	1/8"	1 1/2 in	75,000 RPM		19D640	—	19D796 *	
SA-42	3/32"	1/16 in	1/8"	1 1/2 in	—		6KJD3 *	—	—	
SA-42	3/32"	1/16 in	1/8"	1 1/2 in	—		22XY14 *	—	22YA20 *	
SA-43	1/8"	5/8 in	1/4"	1 1/2 in	—	Widia	2RPW2 *	Widia	12285 *	
SA-43	1/8"	5/8 in	1/4"	1 1/2 in	90,000 RPM	—	22XY19 *	—	22YA25 *	
SA-43	1/8"	5/8 in	1/4"	1 1/2 in	70,000 RPM	—	—	—	19D798 *	
SA-51	1/4"	3/8 in	1/8"	1 3/4 in	—	Widia	—	—	2NHH7 *	
SA-51	1/4"	1/2 in	1/8"	2 in	40,000 RPM		—	—	19D801	
SA-51	1/4"	1/2 in	1/8"	2 in	65,000 RPM		—	22XY27 *	—	22YA33 *
SA-52	5/32"	1/2 in	1/8"	2 in	—		22XY21 *	—	22YA28 *	
SA-53	3/4"	1 1/2 in	1/8"	1 1/8 in	75,000 RPM	—	22XY24 *	—	22YA30 *	
SA-63	3/32"	3/8 in	3/32"	1 1/2 in	—	—	22XY20 *	—	22YA37 *	
SA-61	3/16"	3/8 in	3/16"	2 in	75,000 RPM	—	22XY25 *	—	22YA31 *	
Cylinder - No. End Cut										
SA-12	1/8"	5/8 in	1/4"	2 in	90,000 RPM	—	22XY18 *	—	—	
Cylinder - Radius End										
SC-1	1/4"	5/8 in	1/4"	2 in	65,000 RPM	—	22XY78 *	—	22YA84	
SC-1	1/4"	5/8 in	1/4"	2 in	—	Widia	—	Widia	12352 *	
SC-1	1/4"	5/8 in	1/4"	2 in	40,000 RPM		—	19D683	—	19D823 *
SC-2	5/16"	3/4 in	1/4"	2 1/2 in	—		6KJE1 *	Widia	6KJL7 *	
SC-2	5/16"	3/4 in	1/4"	2 1/2 in	60,000 RPM		22XY79	—	22YA83 *	
SC-2	5/16"	3/4 in	1/4"	2 1/2 in	40,000 RPM	—	—	—	19D830 *	
SC-3	3/8"	3/4 in	1/4"	2 1/2 in	—	Widia	2RXP3 *	Widia	12356	
SC-3	3/8"	3/4 in	1/4"	2 1/2 in	60,000 RPM	—	22XY78 *	—	22YA85	
SC-3	3/8"	3/4 in	1/4"	2 1/2 in	40,000 RPM	—	19D673 *	—	19D827	
SC-3X	3/8"	1 1/2 in	1/4"	3 1/4 in	60,000 RPM	—	22YA10	—	22YD74	
SC-4	7/16"	1 in	1/4"	2 3/4 in	40,000 RPM	—	19D681	—	—	
SC-4	7/16"	1 in	1/4"	2 3/4 in	60,000 RPM	—	22XY81	—	22YA86	
SC-5	1/2"	1 in	1/4"	2 3/4 in	—	Widia	6KJE2	Widia	12358	
SC-5	1/2"	1 in	1/4"	2 3/4 in	—	Widia	6KJH7	†	—	
SC-5	1/2"	1 in	1/4"	2 3/4 in	50,000 RPM	—	22XY82 *	—	22YA87	
SC-5	1/2"	1 in	1/4"	2 3/4 in	40,000 RPM	—	19D668	—	19D822	
SC-6	5/8"	1 in	1/4"	2 3/4 in	—	Widia	—	—	6KJL8	
SC-6	5/8"	1 in	1/4"	2 3/4 in	50,000 RPM		—	22XY83	—	22YA88
SC-6	5/8"	1 in	1/4"	2 3/4 in	25,000 RPM		—	—	—	19D829 *
SC-7	3/4"	1 in	1/4"	2 3/4 in	20,000 RPM		—	19D678	—	—
SC-7	3/4"	1 in	1/4"	2 3/4 in	35,000 RPM	—	22XY84	—	22YA89	
SC-9	1"	1 in	1/4"	2 3/4 in	30,000 RPM	—	22XY86	—	22YA90	
SC-11	1/8"	1/2 in	1/4"	2 in	90,000 RPM	—	22XY67 *	—	22YA73 *	
SC-11	1/8"	1/2 in	1/4"	2 in	70,000 RPM	—	19D671	—	19D825 *	
SC-11	1/8"	1/2 in	1/4"	2 in	—	Widia	—	—	2RPU1 *	
SC-13	5/32"	5/8 in	1/4"	2 in	—		22XY71 *	—	22YA76 *	
SC-14	3/16"	5/8 in	1/4"	2 in	75,000 RPM		22XY75 *	—	22YA80	
SC-14	3/16"	5/8 in	1/4"	2 in	30,000 RPM		—	—	—	19D828 *
SC-15	3/4"	1 1/2 in	1/4"	2 1/4 in	35,000 RPM	—	22XY74	—	22YA79	
SC-16	3/4"	3/4 in	1/4"	2 1/2 in	35,000 RPM	—	22XY85	—	22YA81	
SC-41	3/32"	7/16 in	1/8"	1 1/2 in	—	Widia	—	—	12392 *	
SC-41	3/32"	7/16 in	1/8"	1 1/2 in	—		22XY66 *	—	22YA72 *	
SC-42	1/8"	5/8 in	1/4"	1 1/2 in	—		2RKP1 *	Widia	12288 *	
SC-42	1/8"	5/8 in	1/4"	1 1/2 in	90,000 RPM		22XY69 *	—	22YA75 *	
SC-42	1/8"	5/8 in	1/4"	1 1/2 in	70,000 RPM	—	—	—	19D826 *	
SC-51	1/4"	1/2 in	1/8"	1 3/4 in	—	Widia	—	—	2RPJ2 *	
SC-51	1/4"	1/2 in	1/8"	2 in	65,000 RPM		—	22XY76 *	—	22YA81 *
SC-51	1/4"	1/2 in	1/8"	2 in	40,000 RPM		—	—	—	19D824
SC-52	5/16"	1/2 in	1/8"	2 in	—		22XY77 *	—	—	22YA82
SC-53	3/8"	1/2 in	1/8"	1 1/8 in	75,000 RPM	—	22XY72 *	—	22YA77 *	
Diamond Cut										
—	1/4 in	3/4 in	1/4"	2 1/2 in	—	—	—	Widia	6KJC9	
—	3/8 in	1 in	3/8"	2 1/2 in	—	—	—	Widia	6KJD0	
—	1/2 in	1 in	1"	3 in	—	—	—	Widia	6KJD1	