

H.S.S. ANNULAR CUTTER WITH 3/4" OR 1-1/4" WELDON SHANK CBN GROUND, ANSI STANDARD CUTTING DEPTH: 1", 2" & 3"

Cutter diameter 7/16" to 1/2" is with 3/4" weldon shank, Hole of pilot pin = Dia. 6.50mm
Cutter diameter 9/16" to 2-11/32" are with 3/4" weldon shank, Hole of pilot pin = Dia. 1/4"
Cutter diameter 2-3/8" to 4" are with 1-1/4" weldon shank, Hole of pilot pin = Dia. 5/16"



2081-2018

2083-2031

2080-2012

Dia. of Cut (in)	Cutting Depth					
	1"	Price	2"	Price	3"	Price
7/16"	2080-2012	\$15.00/PC	2081-2012	\$21.00/PC		
1/2"	2080-2013	\$15.00/PC	2081-2013	\$22.00/PC		
9/16"	2080-2014	\$16.00/PC	2081-2014	\$26.00/PC		
5/8"	2080-2015	\$18.00/PC	2081-2015	\$29.00/PC		
11/16"	2080-2016	\$19.00/PC	2081-2016	\$32.00/PC		
3/4"	2080-2017	\$19.00/PC	2081-2017	\$35.00/PC		
13/16"	2080-2018	\$22.00/PC	2081-2018	\$38.00/PC	2083-2018	\$46.00/PC
7/8"	2080-2019	\$22.00/PC	2081-2019	\$41.00/PC	2083-2019	\$50.00/PC
15/16"	2080-2020	\$25.00/PC	2081-2020	\$44.00/PC	2083-2020	\$55.00/PC
1"	2080-2021	\$27.00/PC	2081-2021	\$46.00/PC	2083-2021	\$60.00/PC
1-1/16"	2080-2022	\$30.00/PC	2081-2022	\$49.00/PC	2083-2022	\$66.00/PC
1-1/8"	2080-2023	\$31.00/PC	2081-2023	\$53.00/PC	2083-2023	\$72.00/PC
1-3/16"	2080-2024	\$33.00/PC	2081-2024	\$56.00/PC	2083-2024	\$84.00/PC
1-1/4"	2080-2025	\$34.00/PC	2081-2025	\$60.00/PC	2083-2025	\$95.00/PC
1-5/16"	2080-2026	\$37.00/PC	2081-2026	\$65.00/PC	2083-2026	\$99.00/PC
1-3/8"	2080-2027	\$41.00/PC	2081-2027	\$70.00/PC	2083-2027	\$106.00/PC
1-7/16"	2080-2028	\$44.00/PC	2081-2028	\$72.00/PC	2083-2028	\$112.00/PC
1-1/2"	2080-2029	\$46.00/PC	2081-2029	\$76.00/PC	2083-2029	\$118.00/PC
1-9/16"	2080-2030	\$50.00/PC	2081-2030	\$80.00/PC	2083-2030	\$120.00/PC
1-5/8"	2080-2031	\$52.00/PC	2081-2031	\$83.00/PC	2083-2031	\$124.00/PC
1-11/16"	2080-2032	\$55.00/PC	2081-2032	\$88.00/PC	2083-2032	\$129.00/PC
1-3/4"	2080-2033	\$58.00/PC	2081-2033	\$95.00/PC	2083-2033	\$136.00/PC
1-13/16"	2080-2034	\$60.00/PC	2081-2034	\$100.00/PC	2083-2034	\$142.00/PC
1-7/8"	2080-2035	\$63.00/PC	2081-2035	\$105.00/PC	2083-2035	\$148.00/PC
1-15/16"	2080-2036	\$66.00/PC	2081-2036	\$108.00/PC	2083-2036	\$155.00/PC
2"	2080-2037	\$72.00/PC	2081-2037	\$115.00/PC	2083-2037	\$162.00/PC
2-1/16"	2080-2038	\$76.00/PC	2081-2038	\$118.00/PC		
2-1/8"	2080-2039	\$84.00/PC	2081-2039	\$122.00/PC		
2-3/16"	2080-2040	\$90.00/PC	2081-2040	\$133.00/PC		
2-1/4"	2080-2041	\$105.00/PC	2081-2041	\$150.00/PC		
2-5/16"	2080-2042	\$115.00/PC	2081-2042	\$160.00/PC		
2-3/8"	2080-2043	\$125.00/PC	2081-2043	\$169.00/PC		
2-7/16"	2080-2044	\$136.00/PC	2081-2044	\$176.00/PC		
2-1/2"	2080-2045	\$145.00/PC	2081-2045	\$186.00/PC		
2-9/16"	2080-2046	\$153.00/PC	2081-2046	\$195.00/PC		
2-5/8"	2080-2047	\$160.00/PC	2081-2047	\$205.00/PC		
2-11/16"	2080-2048	\$166.00/PC	2081-2048	\$215.00/PC		
2-3/4"	2080-2049	\$172.00/PC	2081-2049	\$228.00/PC		
2-13/16"	2080-2050	\$178.00/PC	2081-2050	\$232.00/PC		
2-7/8"	2080-2051	\$188.00/PC	2081-2051	\$246.00/PC		
2-15/16"	2080-2052	\$192.00/PC	2081-2052	\$258.00/PC		
3"	2080-2053	\$206.00/PC	2081-2053	\$269.00/PC		
3-1/16"	2080-2054	\$212.00/PC	2081-2054	\$275.00/PC		
3-1/8"	2080-2055	\$228.00/PC	2081-2055	\$285.00/PC		
3-1/4"	2080-2057	\$238.00/PC	2081-2057	\$369.00/PC		
3-3/8"	2080-2059	\$258.00/PC	2081-2059	\$399.00/PC		
3-1/2"	2080-2061	\$318.00/PC				

CARBIDE TIPPED ANNULAR CUTTER WITH ONE-TOUCH SHANK CBN GROUND, ANSI STANDARD, CUTTING DEPTH: 1" OR 2"

Cutter diameter 11/16" is with 3/4" one-touch shank, Hole of pilot pin = Dia. 1/4"
Cutter diameter 13/16" to 1-1/16" are with 3/4" one-touch shank, Hole of pilot pin = Dia. 5/16"



3080-2018

Item	Dia. of Cut	Cutting Depth	Price
3080-2016	11/16"	1"	\$50.00/PC
3080-2018	13/16"	1"	\$52.00/PC
3080-2019	7/8"	1"	\$56.00/PC
3080-2020	15/16"	1"	\$60.00/PC
3080-2021	1"	1"	\$65.00/PC
3080-2022	1-1/16"	1"	\$70.00/PC
3081-2016	11/16"	2"	\$75.00/PC
3081-2018	13/16"	2"	\$79.00/PC
3081-2019	7/8"	2"	\$86.00/PC
3081-2020	15/16"	2"	\$89.00/PC
3081-2021	1"	2"	\$95.00/PC
3081-2022	1-1/16"	2"	\$99.00/PC

H.S.S. ANNULAR CUTTER WITH NITTO/WELDON/ONE TOUCH SHANK, CBN GROUND, CUTTING DEPTH 1"

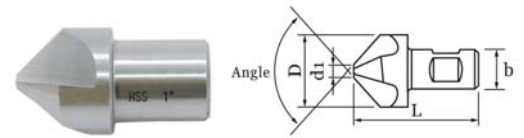
Cutter diameter 9/16" & 11/16" are with 3/4" Nitto/Weldon/One touch shank, Hole of pilot pin = Dia. 1/4"
Cutter diameter 13/16" is with 3/4" Nitto/Weldon/One touch shank, Hole of pilot pin = Dia. 5/16"



1190-2014

Item	Dia. of Cut	Cutting Depth	Price
1190-2014	9/16"	1"	\$21.00/PC
1190-2017	11/16"	1"	\$23.00/PC
1190-2021	13/16"	1"	\$27.00/PC

H.S.S. COUNTERSINK WITH 3/4" WELDON SHANK, 3 FLUTE



CE00-0001

Item	Size (D)	d1	Shank (b)	Oal (L)	Angle	Price
						Price
CE00-0001	1"	3/16"	3/4"	1-3/4"	90°	\$55.00/PC
CE00-0114	1-1/4"	1/4"	3/4"	1-7/8"	90°	\$69.00/PC
CE00-0112	1-1/2"	5/16"	3/4"	2-1/16"	90°	\$86.00/PC
CE00-0002	2"	1/2"	3/4"	2-1/2"	90°	\$128.00/PC

H.S.S. FULLY GROUND DRILL WITH 3/4" WELDON SHANK

- Features:
- Same connection as the hole cutters.
 - This system makes dismantling of the cutter spindle unnecessary.
 - Suitable for the most common processes of metal and steel.



SSP0-0014 SSP0-0038 SP10-0038 SP10-0021

Item	Size		Price
	Dia. of Drill	Cutting Depth	
SSP0-0014	1/4"	1"	\$15.00/PC
SSP0-0516	5/16"	1"	\$17.00/PC
SSP0-0038	3/8"	1"	\$18.00/PC
SSP0-0021	1/2"	1"	\$23.00/PC
SP10-0014	1/4"	2"	\$21.00/PC
SP10-0516	5/16"	2"	\$22.00/PC
SP10-0038	3/8"	2"	\$23.00/PC
SP10-0021	1/2"	2"	\$32.00/PC