

Annular Cutters

High Speed Steel

- Cut clean, burr free periphery holes
- Pilot pin eject the center as a plug of steel
- Suitable for drilling in hard-cutting materials
- Shank Diameter: Metric 19.05mm/Inch 3/4".



Inch

Shank Diameter 3/4"

Size	M2			M35		
	1" Depth of Cut Order No.	2" Depth of Cut Order No.	3" Depth of Cut Order No.	1" Depth of Cut Order No.	2" Depth of Cut Order No.	3" Depth of Cut Order No.
7/16"	402-2028	402-2328	402-2628	402-1028	402-1328	402-1628
1/2	402-2032	402-2332	402-2632	402-1032	402-1332	402-1632
9/16	402-2036	402-2336	402-2636	402-1036	402-1336	402-1636
19/32	402-2038	402-2338	402-2638	402-1038	402-1338	402-1638
5/8"	402-2040	402-2340	402-2640	402-1040	402-1340	402-1640
11/16	402-2044	402-2344	402-2644	402-1044	402-1344	402-1644
23/32	402-2046	402-2346	402-2646	402-1046	402-1346	402-1646
3/4	402-2048	402-2348	402-2648	402-1048	402-1348	402-1648
25/32	402-2050	402-2350	402-2650	402-1050	402-1350	402-1650
13/16	402-2052	402-2352	402-2652	402-1052	402-1352	402-1652
7/8	402-2056	402-2356	402-2656	402-1056	402-1356	402-1656
29/32	402-2058	402-2358	402-2658	402-1058	402-1358	402-1658
15/16	402-2060	402-2360	402-2660	402-1060	402-1360	402-1660
1	402-2064	402-2364	402-2664	402-1064	402-1364	402-1664
1-1/32	402-2102	402-2402	402-2702	402-1102	402-1402	402-1702
1-1/16	402-2104	402-2404	402-2704	402-1104	402-1404	402-1704
1-3/32	402-2106	402-2406	402-2706	402-1106	402-1406	402-1706
1-1/8"	402-2108	402-2408	402-2708	402-1108	402-1408	402-1708
1-3/16	402-2112	402-2412	402-2712	402-1112	402-1412	402-1712
1-7/32	402-2114	402-2414	402-2714	402-1114	402-1414	402-1714
1-1/4	402-2116	402-2416	402-2716	402-1116	402-1416	402-1716
1-9/32	402-2118	402-2418	402-2718	402-1118	402-1418	402-1718
1-5/16	402-2120	402-2420	402-2720	402-1120	402-1420	402-1720
1-3/8	402-2124	402-2424	402-2724	402-1124	402-1424	402-1724
1-13/32	402-2126	402-2426	402-2726	402-1126	402-1426	402-1726
1-7/16	402-2128	402-2428	402-2728	402-1128	402-1428	402-1728
1-1/2"	402-2132	402-2432	402-2732	402-1132	402-1432	402-1732
1-17/32	402-2134	402-2434	402-2734	402-1134	402-1434	402-1734
1-9/16	402-2136	402-2436	402-2736	402-1136	402-1436	402-1736
1-5/8	402-2140	402-2440	402-2740	402-1140	402-1440	402-1740
1-21/32	402-2142	402-2442	402-2742	402-1142	402-1442	402-1742
1-11/16	402-2144	402-2444	402-2744	402-1144	402-1444	402-1744
1-23/32	402-2146	402-2446	402-2746	402-1146	402-1446	402-1746
1-3/4	402-2148	402-2448	402-2748	402-1148	402-1448	402-1748
1-13/16	402-2152	402-2452	402-2752	402-1152	402-1452	402-1752
1-27/32	402-2154	402-2454	402-2754	402-1154	402-1454	402-1754
1-7/8	402-2156	402-2456	402-2756	402-1156	402-1456	402-1756
1-15/16	402-2160	402-2460	402-2760	402-1160	402-1460	402-1760
1-31/32	402-2162	402-2462	402-2762	402-1162	402-1462	402-1762
2	402-2164	402-2464	402-2764	402-1164	402-1464	402-1764
2-1/32	402-2202	402-2502	402-2802	402-1202	402-1502	402-1802
2-1/16	402-2204	402-2504	402-2804	402-1204	402-1504	402-1804
2-1/8	402-2208	402-2508	402-2808	402-1208	402-1508	402-1808
2-5/32	402-2210	402-2510	402-2810	402-1210	402-1510	402-1810
2-3/16	402-2212	402-2512	402-2812	402-1212	402-1512	402-1812
2-7/32	402-2214	402-2514	402-2814	402-1214	402-1514	402-1814
2-1/4	402-2216	402-2516	402-2816	402-1216	402-1516	402-1816
2-5/16	402-2220	402-2520	402-2820	402-1220	402-1520	402-1820
2-11/32	402-2222	402-2522	402-2822	402-1222	402-1522	402-1822

Metric

Shank Diameter 19.05mm

Size	M2			M35		
	1" Depth of Cut Order No.	2" Depth of Cut Order No.	3" Depth of Cut Order No.	1" Depth of Cut Order No.	2" Depth of Cut Order No.	3" Depth of Cut Order No.
12mm	402-6028	402-6328	402-6628	402-3028	402-3328	402-3628
13	402-6032	402-6332	402-6632	402-3032	402-3332	402-3632
14	402-6036	402-6336	402-6636	402-3036	402-3336	402-3636
15	402-6038	402-6338	402-6638	402-3038	402-3338	402-3638
16	402-6040	402-6340	402-6640	402-3040	402-3340	402-3640
17	402-6044	402-6344	402-6644	402-3044	402-3344	402-3644
18	402-6046	402-6346	402-6646	402-3046	402-3346	402-3646
19	402-6048	402-6348	402-6648	402-3048	402-3348	402-3648
20	402-6050	402-6350	402-6650	402-3050	402-3350	402-3650
21	402-6052	402-6352	402-6652	402-3052	402-3352	402-3652
22	402-6056	402-6356	402-6656	402-3056	402-3356	402-3656
23	402-6058	402-6358	402-6658	402-3058	402-3358	402-3658
24	402-6060	402-6360	402-6660	402-3060	402-3360	402-3660
25	402-6064	402-6364	402-6664	402-3064	402-3364	402-3664
26	402-6102	402-6402	402-6702	402-3102	402-3402	402-3702
27	402-6104	402-6404	402-6704	402-3104	402-3404	402-3704
28	402-6106	402-6406	402-6706	402-3106	402-3406	402-3706
29	402-6108	402-6408	402-6708	402-3108	402-3408	402-3708
30	402-6112	402-6412	402-6712	402-3112	402-3412	402-3712
31	402-6114	402-6414	402-6714	402-3114	402-3414	402-3714
32	402-6116	402-6416	402-6716	402-3116	402-3416	402-3716
33	402-6118	402-6418	402-6718	402-3118	402-3418	402-3718
34	402-6120	402-6420	402-6720	402-3120	402-3420	402-3720
35	402-6124	402-6424	402-6724	402-3124	402-3424	402-3724
36	402-6126	402-6426	402-6726	402-3126	402-3426	402-3726
37	402-6128	402-6428	402-6728	402-3128	402-3428	402-3728
38	402-6132	402-6432	402-6732	402-3132	402-3432	402-3732
39	402-6134	402-6434	402-6734	402-3134	402-3434	402-3734
40	402-6136	402-6436	402-6736	402-3136	402-3436	402-3736
41	402-6140	402-6440	402-6740	402-3140	402-3440	402-3740
42	402-6142	402-6442	402-6742	402-3142	402-3442	402-3742
43	402-6144	402-6444	402-6744	402-3144	402-3444	402-3744
44	402-6146	402-6446	402-6746	402-3146	402-3446	402-3746
45	402-6148	402-6448	402-6748	402-3148	402-3448	402-3748
46	402-6152	402-6452	402-6752	402-3152	402-3452	402-3752
47	402-6154	402-6454	402-6754	402-3154	402-3454	402-3754
48	402-6156	402-6456	402-6756	402-3156	402-3456	402-3756
49	402-6160	402-6460	402-6760	402-3160	402-3460	402-3760
50	402-6162	402-6462	402-6762	402-3162	402-3462	402-3762
51	402-6164	402-6464	402-6764	402-3164	402-3464	402-3764
52	402-6202	402-6502	402-6802	402-3202	402-3502	402-3802
53	402-6204	402-6504	402-6804	402-3204	402-3504	402-3804
54	402-6208	402-6508	402-6808	402-3208	402-3508	402-3808
55	402-6210	402-6510	402-6810	402-3210	402-3510	402-3810
56	402-6212	402-6512	402-6812	402-3212	402-3512	402-3812
57	402-6214	402-6514	402-6814	402-3214	402-3514	402-3814
58	402-6216	402-6516	402-6816	402-3216	402-3516	402-3816
59	402-6220	402-6520	402-6820	402-3220	402-3520	402-3820
60	402-6222	402-6522	402-6822	402-3222	402-3522	402-3822

Carbide Tip Annular Cutters

- Cut clean, burr free Periphery holes
- Pilot pin eject the center as a plug of steel
- Suitable for drilling in hard-cutting materials
- Shank Diameter: Metric 19.05mm/Inch 3/4".



Inch

Shank Diameter 3/4"

Inch 3/4" Shank Dia.			
Size	1" Depth of Cut Order No.	2" Depth of Cut Order No.	3" Depth of Cut Order No.
7/16"	402-9028	402-9328	402-9628
1/2"	402-9032	402-9332	402-9632
9/16"	402-9036	402-9336	402-9636
19/32"	402-9038	402-9338	402-9638
5/8"	402-9040	402-9340	402-9640
11/16"	402-9044	402-9344	402-9644
23/32"	402-9046	402-9346	402-9646
3/4"	402-9048	402-9348	402-9648
25/32"	402-9050	402-9350	402-9650
13/16"	402-9052	402-9352	402-9652
7/8"	402-9056	402-9356	402-9656
29/32"	402-9058	402-9358	402-9658
15/16"	402-9060	402-9360	402-9660
1"	402-9064	402-9364	402-9664
1-1/32"	402-9102	402-9402	402-9702
1-1/16"	402-9104	402-9404	402-9704
1-3/32"	402-9106	402-9406	402-9706
1-1/8"	402-9108	402-9408	402-9708
1-3/16"	402-9112	402-9412	402-9712
1-7/32"	402-9114	402-9414	402-9714
1-1/4"	402-9116	402-9416	402-9716
1-9/32"	402-9118	402-9418	402-9718
1-5/16"	402-9120	402-9420	402-9720
1-3/8"	402-9124	402-9424	402-9724
1-13/32"	402-9126	402-9426	402-9726
1-7/16"	402-9128	402-9428	402-9728
1-1/2"	402-9132	402-9432	402-9732
1-17/32"	402-9134	402-9434	402-9734
1-9/16"	402-9136	402-9436	402-9736
1-5/8"	402-9140	402-9440	402-9740
1-21/32"	402-9142	402-9442	402-9742
1-11/16"	402-9144	402-9444	402-9744
1-23/32"	402-9146	402-9446	402-9746
1-3/4"	402-9148	402-9448	402-9748
1-13/16"	402-9152	402-9452	402-9752
1-27/32"	402-9154	402-9454	402-9754
1-7/8"	402-9156	402-9456	402-9756
1-15/16"	402-9160	402-9460	402-9760
1-31/32"	402-9162	402-9462	402-9762
2"	402-9164	402-9464	402-9764
2-1/32"	402-9202	402-9502	402-9802
2-1/16"	402-9204	402-9504	402-9804
2-1/8"	402-9208	402-9508	402-9808
2-5/32"	402-9210	402-9510	402-9810
2-3/16"	402-9212	402-9512	402-9812
2-7/32"	402-9214	402-9514	402-9814
2-1/4"	402-9216	402-9516	402-9816
2-5/16"	402-9220	402-9520	402-9820
2-11/32"	402-9222	402-9522	402-9822

Metric

Shank Diameter 19.05mm

Metric 19.05mm Shank Dia.			
Size	1" Depth of Cut Order No.	2" Depth of Cut Order No.	3" Depth of Cut Order No.
12mm	402-5028	402-5328	402-5628
13	402-5032	402-5332	402-5632
14	402-5036	402-5336	402-5636
15	402-5038	402-5338	402-5638
16	402-5040	402-5340	402-5640
17	402-5044	402-5344	402-5644
18	402-5046	402-5346	402-5646
19	402-5048	402-5348	402-5648
20	402-5050	402-5350	402-5650
21	402-5052	402-5352	402-5652
22	402-5056	402-5356	402-5656
23	402-5058	402-5358	402-5658
24	402-5060	402-5360	402-5660
25	402-5064	402-5364	402-5664
26	402-5102	402-5402	402-5702
27	402-5104	402-5404	402-5704
28	402-5106	402-5406	402-5706
29	402-5108	402-5408	402-5708
30	402-5112	402-5412	402-5712
31	402-5114	402-5414	402-5714
32	402-5116	402-5416	402-5716
33	402-5118	402-5418	402-5718
34	402-5120	402-5420	402-5720
35	402-5124	402-5424	402-5724
36	402-5126	402-5426	402-5726
37	402-5128	402-5428	402-5728
38	402-5132	402-5432	402-5732
39	402-5134	402-5434	402-5734
40	402-5136	402-5436	402-5736
41	402-5140	402-5440	402-5740
42	402-5142	402-5442	402-5742
43	402-5144	402-5444	402-5744
44	402-5146	402-5446	402-5746
45	402-5148	402-5448	402-5748
46	402-5152	402-5452	402-5752
47	402-5154	402-5454	402-5754
48	402-5156	402-5456	402-5756
49	402-5160	402-5460	402-5760
50	402-5162	402-5462	402-5762
51	402-5164	402-5464	402-5764
52	402-5202	402-5502	402-5802
53	402-5204	402-5504	402-5804
54	402-5208	402-5508	402-5808
55	402-5210	402-5510	402-5810
56	402-5212	402-5512	402-5812
57	402-5214	402-5514	402-5814
58	402-5216	402-5516	402-5816
59	402-5220	402-5520	402-5820
60	402-9522	402-5522	402-5822