

Annular Cutters

SPIRA-BROACH™ ANNULAR CUTTERS

Types 13SP, Type 13LSP - M2 High-Speed Steel Cutters

- High tungsten content increases abrasion resistance resulting in a tough tool with long lasting durability

M2 excellent all purpose capability

Type 14, Types 14L - M35 Cobalt Cutters Gold Finish

- Similar to M2, 6% cobalt added to increase heat resistance.

M35 Increased hardness for tough jobs

Types 15, Type 15L - M42 Gold Finish Super Cobalt Steel

- Molybdenum-chromium vanadium tungsten with 8% cobalt superior red hot hardness compared to conventional high speed steel.

M42 longest tool life in the most difficult applications

1" CUT DEPTH



Type 13SP -M2, Hi-Tungsten



Type 14 -M35, 6% COBALT



Type 15 -M42, 8% COBALT

2" CUT DEPTH



Type 13LSP -M2, Hi-Tungsten



Type 14L -M35, 6% COBALT



Type 15L -M42, 8% COBALT

Type 13SP M2 Part #	Type 14 M35 Part #	Type 15 M42 Part #	Cutter Diameter	Qty.
16311	16631	14351	7/16	1
16321	16641	14391	1/2	1
16331	16651	14431	9/16	1
16341	16661	14471	5/8	1
16351	16671	14511	11/16	1
16361	16681	14551	3/4	1
16371	16691	14591	13/16	1
16381	16701	14631	7/8	1
16391	16711	14671	15/16	1
16401	16721	14711	1"	1
16411	16731	14751	1-1/16	1
16421	16741	14791	1-1/8	1
16431	16751	14831	1-3/16	1
16441	16761	14871	1-1/4	1
16451	16771	14911	1-5/16	1
16461	16781	14951	1-3/8	1
16471	16791	14991	1-7/16	1
16481	16801	15031	1-1/2	1
16491	16811	15051	1-9/16	1
16501	16821	15071	1-5/8	1
16511	16831	15091	1-11/16	1
16521	16841	15111	1-3/4	1
16531	16851	15131	1-13/16	1
16541	16861	15151	1-7/8	1
16551	16871	15171	1-15/16	1
16561	16881	15191	2"	1
16571	16891	15211	2-1/16	1
16581	-----	15231	2-1/8	1
16591	-----	15251	2-3/16	1
16601	-----	15271	2-1/4	1
16611	-----	15281	2-5/16	1
16621	-----	15291	2-3/8	1

Type 13LSP M2 Part #	Type 14L M35 Part #	Type 15L M42 Part #	Cutter Diameter	Qty.
16312	16632	14352	7/16	1
16322	16642	14392	1/2	1
16332	16652	14432	9/16	1
16342	16662	14472	5/8	1
16352	16672	14512	11/16	1
16362	16682	14552	3/4	1
16372	16692	14592	13/16	1
16382	16702	14632	7/8	1
16392	16712	14672	15/16	1
16402	16722	14712	1"	1
16412	16732	14752	1-1/16	1
16422	16742	14792	1-1/8	1
16432	16752	14832	1-3/16	1
16442	16762	14872	1-1/4	1
16452	16772	14912	1-5/16	1
16462	16782	14952	1-3/8	1
16472	16792	14992	1-7/16	1
16482	16802	15032	1-1/2	1
16492	16812	15052	1-9/16	1
16502	16822	15072	1-5/8	1
16512	16832	15092	1-11/16	1
16522	16842	15112	1-3/4	1
16532	16852	15132	1-13/16	1
16542	16862	15152	1-7/8	1
16552	16872	15172	1-15/16	1
16562	16882	15192	2"	1
16572	16892	15212	2-1/16	1
16582	-----	15232	2-1/8	1
16592	-----	15252	2-3/16	1
16602	-----	15272	2-1/4	1
16612	-----	15282	2-5/16	1
16622	-----	15292	2-3/8	1

Pilot Pins for 1" Cut Depth

Part No.	Description	Size
00902	1/4" dia. pin fits one inch depth cutters 1/2" & larger	PP1/4x1

Part No.	Description
13710	11/64" dia. pin fits 7/16" -- 1" depth cutter

Pilot Pins for 2" Cut Depth

Part No.	Description	Size
00903	1/4" dia. pin fits two inch depth cutters 1/2" & larger	PP 1/4x2

Part No.	Description
13720	11/64" dia. pin fits 7/16" -- 2" depth cutter

Annular Cutters

SPIRA-BROACH™ ANNULAR CUTTERS & COUNTER DISPLAY

Spira-Broach™ Annular Cutters

These unique cutters reduce time and power requirements by cutting larger diameter holes at the periphery leaving solid slug in the center.

SPIRA-BROACH Cutters

- Give the lowest cost per hole
- Cut on curved surfaces
- Allow overlapping cuts on existing holes
- Stay sharp much longer
- Leaves a burr-free hole



SB-5 1" & 2" LENGTH

9/16, 11/16, 13/16, 15/16, 1-1/16

Part #	Pin	Type	Metal
15301	1" Pin	15	M42
15302	2" Pin	15L	M42
16901	1" Pin	14	M35
16902	2" Pin	14L	M35
16624	1" Pin	13SP	M2 HSS
16629	2" Pin	13LSP	M2 HSS



ANNULAR CUTTER DISPLAYS

Annular Cutters

- Compact metal case attractively displays annular cutters.
- Scratch proof Lexan front reduces pilferage and keeps merchandise clean.
- Includes 1" pins and 2" pins for each size

ANNULAR CUTTERS COUNTER DISPLAY

1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1", 1-1/16

Part #	Size	Type	Qty.
00943	M-42	SB-20	15
00944	M-35	SB-20HS	14
00949	M-2 HSS	SB-20SP	13SP

