

HIGH SPEED STEEL

## ANNULAR CUTTERS

SERIES 859:



- Eliminate multi-step drilling.
- Lower cost per hole.
- Better finishing.
- More accurate, cleaner holes.
- Longer tool life.
- 3/4" shank diameter with two flats for both inch and metric cutters.
- Cutters are interchangeable with other standard hole cutting systems.

Inch Sizes	1" Depth		2" Depth		3" Depth	
	Order No.	Price	Order No.	Price	Order No.	Price
7/16	5530110		5530210		-	
1/2	5530111		5530211		-	
9/16	5530113		5530213		-	
5/8	5530116		5530216		-	
11/16	5530119		5530219		-	
3/4	5530121		5530221		-	
13/16	5530124		5530224		5530324	
7/8	5530127		5530227		5530327	
15/16	5530130		5530230		5530330	
1	5530133		5530233		5530333	
1-1/16	5530136		5530236		5530336	
1-1/8	5530139		5530239		5530339	
1-3/16	5530142		5530242		5530342	
1-1/4	5530145		5530245		5530345	
1-5/16	5530148		5530248		5530348	
1-3/8	5530151		5530251		5530351	
1-7/16	5530154		5530254		5530354	
1-1/2	5530157		5530257		5530357	
1-9/16	5530160		5530260		5530360	
1-5/8	5530163		5530263		5530363	
1-11/16	5530166		5530266		5530366	
1-3/4	5530169		5530269		5530369	
1-13/16	5530172		5530272		5530372	
1-7/8	5530175		5530275		5530375	
1-15/16	5530178		5530278		5530378	
2	5530181		5530281		5530381	
2-1/16	5530183		5530283		-	
Set of 5 pcs. includes: 9/16, 11/16, 13/16, 15/16, 1-1/16	5530501		5530502			

Metric Sizes	1" Depth		2" Depth	
	Order No.	Price	Order No.	Price
14mm	5531114		5531214	
16mm	5531116		5531216	
18mm	5531118		5531218	
20mm	5531120		5531220	
22mm	5531122		5531222	
24mm	5531124		5531224	
25mm	5531125		5531225	
26mm	5531126		5531226	
28mm	5531128		5531228	
30mm	5531130		5531230	
32mm	5531132		5531232	

Accessories	Order No.	Price
Ejector - Pilot, Short 1/4 x 3	5530905	
Ejector - Pilot, Long 1/4 x 4	5530915	
Ejector - Pilot, X- Long 1/4 x 5	5530925	

CUTTING TOOLS - DRILLS

HIGH SPEED STEEL

## ANNULAR CUTTERS - ARMOR-PLATED

Inch Sizes	1" Depth		2" Depth	
	Order No.	Price	Order No.	Price
7/16	7170281	\$16.05	7170282	
1/2	7170321	\$16.05	7170322	
9/16	7170361	\$17.45	7170362	
5/8	7170401	\$19.60	7170402	
11/16	7170441	\$20.05	7170442	
3/4	7170481	\$21.60	7170482	
13/16	7170521	\$22.80	7170522	
7/8	7170561	\$24.55	7170562	
15/16	7170601	\$26.75	7170602	
1	7170641	\$28.50	7170642	
1-1/16	7170681	\$29.30	7170682	
1-1/8	7170721	\$33.70	7170722	
1-3/16	7170761	\$35.35	7170762	
1-1/4	7170801	\$36.55	7170802	
1-5/16	7170841	\$38.50	7170842	
1-3/8	7170881	\$49.35	7170882	
1-7/16	7170921	\$55.80	7170922	
1-1/2	7170961	\$58.20	7170962	
1-9/16	7171361	\$65.60	7171362	
1-5/8	7171401	\$67.90	7171402	
1-11/16	7171441	\$71.90	7171442	
1-3/4	7171481	\$76.45	7171482	
1-13/16	9171521	\$79.35	7171522	
1-7/8	7171561	\$83.30	7171562	
1-15/16	7171601	\$89.00	7171602	
2	7172001	\$91.00	7172002	
2-1/16	7172041	\$127.55	7172042	

### Advantage:

- 3 to 4 times longer tool life before sharpening
- Drill with less friction and more power
- Withstands higher working temperatures - up to 1480°F (800°C)
- Dry drilling or lubricating with water simplifies working conditions and cleanup
- Prevents cold weld - metal chips do not adhere to the cutter
- Ideal for structural steel and hard metal
- 3/4" dia. shank (1-1/4" dia. shank available)

Inch Sizes	1" Depth		2" Depth	
	Order No.	Price	Order No.	Price
Set of 5 pcs. Includes: 9/16, 11/16, 13/16, 15/16, 1-1/16	9170015		9170025	

Accessories	Order No.	Price
Ejector - Pilot, For 1" Cutters	1773102	
Ejector - Pilot, For 2" Cutters	1773202	

SERIES 717:



### Sets Include:

(1) each 9/16, 11/16 13/16, 15/16, 1-1/16 cutters, pilot pin and carrying case.

**Also available:**  
Tungsten carbide tipped cutters-  
Cost effective for drilling steel with rust and special applications.

**COBALT ANNULAR (HOLE) CUTTERS -**



**SERIES 795:**

UNIBOR Cobalt annular cutters are manufactured fully ground, providing a longer working life than H.S.S. We add 5% cobalt to our standard cutters increasing their cutting life by 30% and making UNIBOR M35 Cobalt cutters an industry leader in added value.

**Specifications:**

- Standard 3/4" Shank with flats at 90 degrees
- Fully ground
- M35 cobalt
- Unique geometry - provides faster feed, less friction & smooth hole finish



Inch Sizes	1" DEPTH		2" DEPTH		3" DEPTH	
	Order No.	Price	Order No.	Price	Order No.	Price
7/16"	0925114		0025214		-----	
1/2"	0925116		0025216		-----	
9/16"	0925118		0925218		-----	
5/8"	9925120		0025220		-----	
11/16"	0925122		0025222		-----	
3/4"	0925124		0025224		0025324	
13/16"	0025126		0025226		0025326	
7/8"	0025128		0025228		0025328	
5/16"	0025130		0925230		0025330	
1"	0025132		0025232		0925332	
1-1/16"	0025134		0025234		0025334	
1-1/8"	0025136		0025236		0025336	
1-3/16"	0025138		0925238		0025338	
1-1/4"	0025140		0925240		0025340	
1-5/16"	0025142		0025242		0025342	
1-3/8"	0025144		0025244		0025344	
1-7/16"	0025146		0025246		0025346	
1-1/2"	0025148		0025248		0025348	
1-9/16"	0925150		0925250		0025350	
1-5/8"	0025152		0025252		0025352	
1-11/16"	0025154		0025254		0025354	
1-3/4"	0925156		0925256		0025356	
1-13/16"	0025158		0025258		0025358	
1-7/8"	0025160		0025260		0025360	
1-15/16"	0025162		0025262		0025362	
2"	0025164		0025264		0025364	
2-1/16"	0025166		0025266		0025366	
2-1/8"	0025168		0025268		0025368	
2-3/16"	0925170		0925270		0025370	
2-1/4"	0025172		0025272		0925372	
2-5/16"	0025174		0025274		0925374	
2-3/8"	0025176		0925276		0925376	
2-7/16"	0025178		0025278		0925378	
2-1/2"	0025180		9925280		0925380	
2-9/16"	0025182		0025282		0925382	
2-5/8"	0025184		0025284		0025384	
2-11/16"	0025186		0925286		0025386	
2-3/4"	0025188		0025288		0025388	
2-13/16"	0925190		0925290		0025390	
2-7/8"	0025192		0025292		0025392	
2-15/16"	0025194		0025294		0025394	
3"	0025196		0025296		0025396	

**ANNULAR (HOLE) CUTTER KITS INCLUDES FITTED CASE AND PILOT**



Description	Order No.	Price
High Speed Steel 5pc Set 1" Depth (9/16, 11/16, 13/16, 15/16, 1-1/16)	5530501	
High Speed Steel 5pc. Set 2" Depth (9/16", 11/16", 13/16", 15/16", 1-1/16")	5530502	
Armor Plated 5pc Set 1" Depth (9/16", 11/16", 13/16", 15/16", 1-1/16")	9170015	
Armor Plated 5pc Set 2" Depth (9/16", 11/16", 13/16", 15/16", 1-1/16")	9170025	
Cobalt Steel 6 pc. Set 1" Depth (9/16", 5/8", 11/16", 3/4", 13/16", 15/16")	7955005	

**TAPMATIC EDGE CREME FOR DRILLING & TAPPING**

**SERIES 689:**

Best choice for use with Magnetic Drills.

Meets USDA requirements for P1.

- Excellent for vertical applications
- For use when drilling, tapping blind holes, forming, bending, pre-coating fasteners and lubricating rubber seals.
- Squeeze tube allows easy usage
- Biodegradable
- Eliminates heat buildup and belt loading
- Does not contain any hazardous chemicals
- Compatible with oil and water systems
- Extends grinding wheel life
- Low toxicity
- Safe on all metals



LPS TAPMATIC

Pilot	Order No.	Price
For all 1"	7955001	
For all 2"	7955002	
For all 3"	7955003	

Size	Order No.	Price
11 oz. (.325 liters)	8943100	