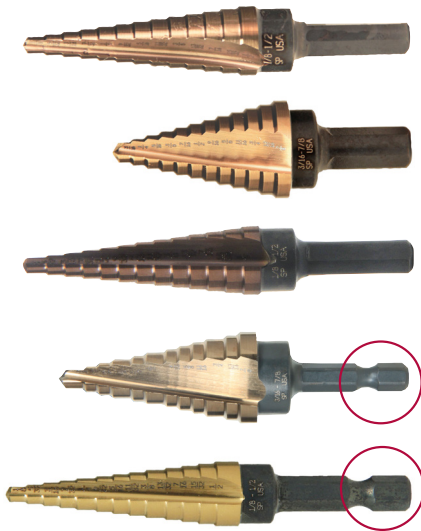


**STEP DRILLS ULTRA BIT™ MULTI-DIAMETER**



**Type 78-AG Gold Oxide, 3-flats on Shank - Blister pak**

- Special Axial and Radial flute design increases work piece penetration.
- Dual flute construction drills clean accurate holes in thin materials, quickly and easily.

**Type 78-AGN Titanium Nitride Coated, 3-flats on Shank - Blister pak**

- Titanium nitride coated tools last six times longer than uncoated tools.
  - Cutting edge stays sharper longer.
  - Titanium nitride coating reduces friction.

**Type 78-ACN Titanium Carbon Nitride Coated, 3-flats on Shank - Blister pak**

- 2 - 4x the tool life of Titanium Nitride coated tools.
- Improved lubricity for better performance in steel and aluminum.
  - Twice as hard as titanium nitride coating.

**Ultra Bit™ Multi-Diameter - Quick Release**

**Type 78-QR Gold Oxide**

- Use for all thin metals, rigid plastics, wood or composite materials with a thickness equal to or less than the step thickness.
- Split point self centers and easily starts with no pilot hole required.

**Type 78-QRN Titanium Nitride Coated**

- Titanium nitride coated tools last six times longer than uncoated tools.
  - Cutting edge stays sharper longer.
  - Titanium nitride coating reduces friction.
- Made in the U.S.A.

**TYPE B78-AG, B78-AGN, B78-ACN 3-FLATTED SHANK**

B78-AG Gold Oxide Part #	B78-AGN Titanium Nitride Part #	B78-ACN Titanium Carbon Nitride Part #	Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness
45401	45701	65301	1	13	1/8 - 1/2"	1/4	1/32	1/8
45441	45751	65311	2	8	9/16 - 1"	3/8	1/16	5/32
45431	45731	65321	3	9	1/4 - 3/4"	3/8	1/16	5/32
45411	45711	65331	4	6	3/16 - 1/2"	1/4	1/16	3/8
45481	45741	65341	7	11	1/4 - 7/8"	3/8	1/16	1/16
45421	45721	65351	8	12	3/16 - 7/8"	3/8	1/16	1/8
45501	----	----	9	3	7/8 - 1-7/32"	3/8	7/8	----
45471	45771	65361	11	2	7/8 - 1-1/8"	3/8	27/64	9/64
45461	45791	65371	12	10	1/4 - 1-3/8"	3/8	1/8	*SEE NOTE
45491	45781	65381	1/4 A	16	1/4 - 1-1/8"	3/8	1/16	1/16
45451	45761	65391	13/16	10	13/16 - 1-3/8"	1/2	1/32	5/32

**NOTE:** Parts # 45461, 45791, 65371 -- 7/8", 1 - 1/8" ( 1/2 and 3/4" conduit )

**3 & 4 PC. SETS**

Gold Oxide	Titanium Nitride	Titanium Carbon Nitride	Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness
01911	01811	65411		1/8 - 1/2", 3/16 - 1/2"	& 1/4 - 3/4"			(#1, #4, #3)
01921	01821	65421		1/8 - 1/2", 3/16 - 1/2"	& 3/16 - 7/8"			(#1, #4, #8)
01931	01831	----		1/8 - 1/2", 3/16 - 7/8"	& 7/8 - 1-1/8"			(#1, #4, #11)
01941	01841	65431		1/8 - 1/2", 3/16 - 1/2"	& 9/16 - 1"			(#1, #4, #2)
4pc. 01981	01871	65441		1/8 - 1/2", 1/4 - 3/4", 1/4 - 7/8", 7/8 - 1-1/8"				(#1, #3, #7, #11)

**TYPE 78-QR, 78-QRN QUICK RELEASE**

78-QR Gold Oxide Part #	78-QRN Titanium Nitride Part #	Impact Ready!	Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness
01401	68491		1	13	1/8 - 1/2"	1/4	1/32	1/8
01411	68534		2	8	9/16 - 1"	1/4	1/16	5/32
01404	68521		3	9	1/4 - 3/4"	1/4	1/16	5/32
01402	68501		4	6	3/16 - 1/2"	1/4	1/16	3/8
01412	68541		7	11	1/4 - 7/8"	1/4	1/16	1/16
01403	68511		8	12	3/16 - 7/8"	1/4	1/16	1/8
01419	68554		9	3	7/8 - 1-7/32"	1/4	7/8	----
01409	68531		11	2	7/8 - 1-1/8"	1/4	27/64	9/64
01414	68524		12	10	1/4 - 1-3/8"	1/4	1/8	*SEE NOTE
01413	68551		1/4 A	16	1/4 - 1-1/8"	1/4	1/16	1/16

**NOTE:** Parts # 01414, 68542 -- 7/8", 1 - 1/8" ( 1/2" and 3/4" conduit )

**3 PC. SETS**

Gold Oxide	Titanium Nitride	Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness
01451	68571			1/8 - 1/2", 3/16 - 1/2"	& 1/4 - 3/4"		(#1, #4, #3)
01441	68561			1/8 - 1/2", 3/16 - 1/2"	& 3/16 - 7/8"		(#1, #4, #8)
01961	68581			1/8 - 1/2", 3/16 - 7/8"	& 7/8 - 1-1/8"		(#1, #4, #11)