

# Specialty Tools

## STEP DRILLS

**Type 78-AG 3-Flatted Shank - Blister pak** • **Type 78-AGN TiN Coated - Blister pak**  
**Type 78-QR Quick Release** • **Type 78-QRN TiN Coated Quick Release**



### Ultra Bit™ Multi-Diameter 3-Flats on Shank

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



### TYPE B78-AG 3-FLATTED SHANK

Part#	Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness
45401	1	13	1/8 - 1/2	1/4	1/32	1/8
45441	2	8	9/16 - 1"	3/8	1/16	5/32
45431	3	9	1/4 - 3/4	3/8	1/16	5/32
45411	4	6	3/16 - 1/2	1/4	1/16	3/8
45481	7	11	1/4 - 7/8	3/8	1/16	1/16
45421	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	11	2	7/8 - 1-1/8	3/8	27/64	9/64
45461	12	10	1/4 - 1-3/8	3/8	1/8	*SEE NOTE
45491	1/4 A	16	1/4 - 1-1/8	3/8	1/16	1/16
45451	13/16	10	13/16 - 1-3/8	1/2	1/32	5/32

**NOTE:** Part # 45461 — 7/8", 1-1/8" ( 1/2 and 3/4" conduit)

### HANGING TUBES STEP DRILLS

00693	1/2" - Single hole
00694	3/8" - Single hole

### SETS - TYPE 78-AG STEP DRILLS

01911	1/8 - 1/2, 3/16 - 1/2 & 1/4 - 3/4	(#1, #4, #3)
01921	1/8 - 1/2, 3/16 - 1/2 & 3/16 - 7/8	(#1, #4, #8)
01931	1/8 - 1/2, 3/16 - 7/8 & 7/8 - 1-1/8	(#1, #4, #11)
01941	1/8 - 1/2, 3/16 - 1/2 & 9/16 - 1"	(#1, #4, #2)
01981	1/8 - 1/2, 1/4 - 3/4, 1/4 - 7/8, 7/8 - 1-1/8"	(#1, #3, #7, #11)

**NOTE:** Part # 45461 — 7/8", 1-1/8" ( 1/2 and 3/4" conduit)



Quick Release  
1/4" Hex Shank

### TYPE 78-QR HEX SHANK STEP DRILLS

Part#	Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness
01401	1	13	1/8 - 1/2"	1/4"	1/32"	1/8"
01411	2	8	9/16-1"	3/8"	1/16"	5/32"
01404	3	9	1/4 - 3/4	1/4"	1/16"	5/32"
01402	4	6	3/16 - 1/2"	1/4"	1/16"	3/8"
01412	7	11	1/4 - 7/8"	1/4"	1/16"	1/16"
01403	8	12	3/16 - 7/8"	1/4"	1/16"	1/8"
01419	9	3	7/8 - 1-7/32"	3/8"	7/8"	---
01409	11	2	7/8 - 1-1/8"	1/4"	27/64"	9/64"
01414	12	10	1/4 - 1-3/8"	3/8	1/8	*SEE NOTE
01413	1/4 A	16	1/4 - 1-1/8"	1/4"	1/16"	1/16"

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

### SETS - TYPE 78-QR STEP DRILLS

01441	1/8 - 1/2, 3/16 - 1/2, & 3/16 - 7/8	(#1, #4, #8)
01451	1/8 - 1/2, 3/16 - 1/2, & 1/4 - 3/4	(#1, #4, #3)
01461	1/8 - 1/2, 3/16 - 1/2, 7/8 & 1-1/8	(#1, #4, #11)

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

### TYPE B78-AGN TiN COATED

Part#	Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness
45701	1	13	1/8 - 1/2	1/4	1/32	1/8
45751	2	8	9/16 - 1"	3/8	1/16	5/32
45731	3	9	1/4 - 3/4	3/8	1/16	5/32
45711	4	6	3/16 - 1/2	1/4	1/16	3/8
45741	7	11	1/4 - 7/8	3/8	1/16	1/16
45721	8	12	3/16 - 7/8	3/8	1/16	1/8
45771	11	2	7/8 - 1 - 1/8	3/8	27/64	9/64
45791	12	10	1/4 - 1 - 3/8	3/8	1/8	*SEE NOTE
45781	1/4 A	16	1/4 - 1 - 1/8	3/8	1/16	1/16
45761	13/16	10	13/16 - 1 - 3/8	1/2	1/32	5/32

**NOTE:** Part No. 45791 — 7/8", 1-1/8" ( 1/2 and 3/4" conduit)

### SETS - TYPE 78-AGN TiN COATED

01811	1/8 - 1/2, 3/16 - 1/2 & 1/4 - 3/4	(#1, #4, #3)
01821	1/8 - 1/2, 3/16 - 1/2 & 3/16 - 7/8	(#1, #4, #8)
01831	1/8 - 1/2, 3/16 - 7/8 & 7/8 - 1-1/8	(#1, #4, #11)
01841	1/8 - 1/2, 3/16 - 1/2 & 9/16 - 1"	(#1, #4, #2)
01871	1/8 - 1/2, 1/4 - 3/4, 1/4 - 7/8, 7/8 - 1-1/8"	(#1, #3, #7, #11)



Quick Release  
1/4" Hex Shank

### TYPE 78-QRN TiN COATED

Part#	Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness
68491	1	13	1/8 - 1/2"	1/4"	1/32"	1/8"
68534	2	8	9/16-1"	3/8"	1/16"	5/32"
68521	3	9	1/4 - 3/4	1/4"	1/16"	5/32"
68501	4	6	3/16 - 1/2"	1/4"	1/16"	3/8"
68541	7	11	1/4 - 7/8"	1/4"	1/16"	1/16"
68511	8	12	3/16 - 7/8"	1/4"	1/16"	1/8"
68554	9	3	7/8 - 1-7/32"	3/8"	7/8"	---
68531	11	2	7/8 - 1-1/8"	1/4"	27/64"	9/64"
68524	12	10	1/4 - 1-3/8"	3/8	1/8	*SEE NOTE
68551	1/4 A	16	1/4 - 1-1/8"	1/4"	1/16"	1/16"

**NOTE:** Part # 68524 — 7/8", 1-1/8" ( 1/2 and 3/4" conduit)

### SETS - TYPE 78-QRN TiN COATED

68561	1/8 - 1/2, 3/16 - 1/2 & 3/16 - 7/8	(#1, #4, #8)
68571	1/8 - 1/2, 3/16 - 1/2 & 1/4 - 3/4	(#1, #4, #3)
68581	1/8 - 1/2, 3/16 - 1/2 & 7/8 - 1-1/8	(#1, #4, #11)

**NOTE:** Part # 68524 — 7/8", 1-1/8" ( 1/2 and 3/4" conduit)