

# Hole Expansion Tools & Sets

## BRIDGE REAMERS & STEP REAMERS & VORTEX-POINT™/REAMER

### Type 54-AG - Straight Flute Type 55-AG - Spiral Flute

Bridge Reamers - Straight & Spiral Flutes - Taper Shank High-Speed Steel, Surface Treated

- These special Hi-Tungsten tool steel reamers with gold surface treated body and clearance are designed to be used with Taper shank equipment.
- They are available in both straight and spiral flute configuration and are designed for heavy-duty reaming as encountered in the fabrication of structural steel assemblies, bridge erection, and ship construction.



#### TYPE 54-AG STRAIGHT FLUTE

Part #	Diameter Inches	Flute Length	Overall Length	Taper Shank	Qty. per/pack
81630	7/16"	4-3/8	8-1/4	#2	1
81640	1/2"	5-1/8	9	#2	1
81650	9/16"	5-1/8	9	#2	1
81660	5/8"	6-1/8	10	#2	1
81670	11/16"	7-1/8	11-3/4	#3	1
81680	3/4"	7-3/8	12	#3	1
81690	13/16"	7-3/8	12	#3	1
81700	7/8"	7-3/8	12	#3	1
81710	15/16"	7-3/8	12	#3	1
81720	1"	7-3/8	12	#3	1
81730	1-1/16"	7-3/8	12	#3	1
81740	1-1/8"	7-3/8	12	#3	1
81750	1-3/16"	7-3/8	12	#3	1
81760	1-1/4"	7-3/8	13	#4	1
81770	1-5/16"	7-3/8	13	#4	1

#### TYPE 55-AG SPIRAL FLUTE

Part #	Diameter Inches	Flute Length	Overall Length	Taper Shank	Qty. per/pack
83310	7/16"	4-3/8	8-1/4	#2	1
83320	1/2"	5-1/8	9	#2	1
83330	9/16"	5-1/8	9	#2	1
83340	5/8"	6-1/8	10	#2	1
83350	11/16"	7-1/8	11-3/4	#3	1
83360	3/4"	7-3/8	12	#3	1
83370	13/16"	7-3/8	12	#3	1
83380	7/8"	7-3/8	12	#3	1
83390	15/16"	7-3/8	12	#3	1
83400	1"	7-3/8	12	#3	1
83410	1-1/16"	7-3/8	12	#3	1
83420	1-1/8"	7-3/8	12	#3	1
83430	1-3/16"	7-3/8	12	#3	1
83440	1-1/4"	7-3/8	13	#4	1
83450	1-5/16"	7-3/8	13	#4	1

### Type 51-AGM

Car Reamers - Fast Spiral Hole Buster™ Super Premium Mechanics Length 3-Flats on Shank

- For use in enlarging previously formed or drilled holes.
- These reamers are especially designed for the reaming of structural steel plates commonly found in truck frames, rail cars, bridges, and pressure vessels.



Part #	Diameter Inches	OAL Inches	Point Diameter	Min. Starting Hole Size	Qty. per/pack
82100	3/8"	4.160	.183	3/16"	1
82120	1/2"	4.625	.245	1/4"	1
82140	5/8"	5.200	.310	5/16"	1
82170	3/4"	5.750	.370	3/8"	1

### Type VT&R-8P

VORTEX-POINT™ & Car Reamers Mechanics Length

- VORTEX-POINT™ Split-point design gives accurate starting and its self-centering eliminating the need for the use of a center punch.
- VORTEX-POINT™ Unique tip geometry reduces heat generation & cutting tool wear increasing tool life.
- Type 51-AGM Mechanics Length reamers are especially designed for the reaming of structural steel plates commonly found in truck frames, rail cars, bridges, and pressure vessels.



### SET

#### 8 Pc. Ultra Dex

Part #	3/16", 1/4", 5/16", 3/8" + 3/8", 1/2", 5/8", 3/4"	Qty of ea.
82340	VORTEX-POINT™ + Fast Spiral Car Reamer Type 175-VT & 51-UBM	1

### Type 78-GR -Gold Oxide

### Type 78-ZR -White Gold & SETS

HSS Step Reamers, 3-Flats on Shank

- Accurately starts, enlarge and deburrs in holes in material up to 1/2" thick.
- 90° notch point starts holes easily.
- Each reamer has five hole enlargement steps.

Gold Oxide - low temperature stress relief that enhances lubricity, reduces friction and increases toughness.

Zirconium Nitride - cutting machining relief that enhances lubricity, reduces friction and increases toughness.



#### TYPE 78-GR GOLD OXIDE & TYPE 78-ZR WHITE GOLD

78-GR Gold Oxide Part #	78-ZR Zirconium Nitride Part #	Hole Sizes	Range	Shank Sizes	Step Thickness
83710	99940	5	5/16" - 9/16"	3/8"	1/2"
83720	99950	5	9/16" - 13/16"	3/8"	1/2"
83730	99960	5	13/16" - 1-1/16"	3/8"	1/2"

#### SETS

78-GR Part #	78-ZR Part #	Hole Sizes	Range	Shank Sizes	Step Thickness
83750	99980	3pc.	5 5/16" - 1-1/16"	3/8"	1/2"
83760	99990	2pc.	5 5/16" - 13/16"	3/8"	1/2"



#83750



#99980

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