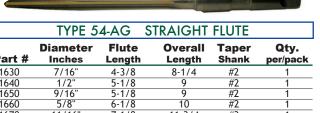
Hole Expansion Tools & Sets

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.



	ITPE 3	4-AG 3	IKAIGHI	FLUIE	
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 **Diameter Flute** Overall Qty. **Inches** Part # Length Length per/pack 83310 7/16 4-3/8 8-1/4 #2 83320 5-1/8 #2 5-1/8 9/16' 83330 #2 6-1/8 7-1/8 83340 5/8' #2 83350 11/16 11-3/4 #3 7-3/8 7-3/8 7-3/8 7-3/8 7-3/8 83360 3/4 12 #3 13/16 83370 17 #3 83380 7/8 #3 83390 15/16 12 #3 7-3/8 7-3/8 83400 #3 1-1/16' 83410 12 #3 7-3/8 7-3/8 83420 1-1/8 12 #3 83430 1-3/16 12 #3 7-3/8 83440 1-1/4' #4

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

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.





- · Accurately starts, enlarge and deburrs in holes in material up to 1/2" thick.
- 90° notch point starts holes easily.

1-5/16

• Each reamer has five hole enlargement steps.

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

83450

Zirconium Nitride - cutting machining aluminum magnesium, titanium alloys. Increased lubricity.





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
8	33750	99980	3рс.	5	5/16" - 1-1/16"	3/8"	1/2"
8	3760	99990	2pc.	5	5/16" - 13/16"	3/8"	1/2"





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

#83750

#99980