



## Hex Shank Bridge Reamers

List No. XL86

Left Hand Spiral Flute / Right Hand Cut / HSS / Heavy Duty



Description: Use in rotary impact sockets, high helix is faster & chips less than standard helix in impact wrench applications. Shank diameter for each reamer matches socket size

Application: Aligning & enlarging holes in heavy duty structural steel applications

EDP No./ Diameter	Point Diameter	Flute Length	Overall Length	Hex Dia.
XL86-11/16	11/32	5-3/4	9-3/16	1-1/16
XL86-13/16	35/64	6-3/8	9-3/4	1-1/4
XL86-15/16	11/16	7	10-13/16	1-7/16
XL86-1-1/16	13/16	7	10-15/16	1-5/8
XL86-1-3/16	57/64	7	10-31/32	1-13/16
XL86-1-5/16	1-1/16	7	11-5/16	2
XL86-1-3/8	1-1/16	7-3/8	10	2
XL86-1-7/16	1-1/8	7-3/8	10	2
XL86-1-1/2	1-1-3/16	7-3/8	10	2
XL86-1-9/16	1-1/4	7-3/8	10	2
XL86-1-5/8	1-5/16	7-1/2	13	2

- Designed for aligning and enlarging holes in heavy duty structural steel bridge and ship building
- Hex shank is engineered to enable use in impact sockets for pneumatic and electric power tools
- Heavy duty reaming of irregular and misaligned holes
- Operator can use same power tool for reaming and driving the structural bolts



## Hex Shank Magnetic Bridge Reamers

List No. XL86M

Left Hand Spiral Flute / Right Hand Cut / HSS / Heavy



Description: Use in rotary impact sockets, high helix is faster & chips less than standard helix in impact wrench applications. Shank diameter for each reamer matches socket size

Application: Aligning & enlarging holes in heavy duty structural steel applications

EDP No./ Diameter	Point Diameter	Flute Length	Overall Length	Hex Dia.
XL86M-11/16	11/32	5-3/4	9-3/16	1-1/16
XL86M-13/16	35/64	6-3/8	9-3/4	1-1/4
XL86M-15/16	11/16	7	10-13/16	1-7/16
XL86M-1-1/16	13/16	7	10-15/16	1-5/8
XL86M-1-3/16	57/64	7	10-31/32	1-13/16

- 2 Embedded Magnets To Secure Reamer In Socket For Safety
- Align, enlarge, de-bur holes in structural steel, including stainless steel and tough alloys
- Spiral flute for ejecting chips forward and away from the operator
- For use in electric and pneumatic tools and sockets



## Hex Shank Car Reamers

List No. HX80

Straight Flute / Right Hand Cut / HSS



Description: Short length for use in tight areas.

Application: For use in electric and pneumatic tools & sockets.

List No. HX82

Left Hand Spiral Flute / Right Hand Cut / HSS



Description: Spiral flute for ejecting chips forward and away from the operator. Short length for use in tight areas.

Application: For use in electric and pneumatic tools & sockets.

EDP No./ Diameter	Point Diameter	Flute Length	Overall Length	Hex Dia.	EDP No./ Diameter	Point Diameter	Flute Length	Overall Length	Hex Dia.
HX80-11/16	11/32	5-3/16	7	1-1/16	HX82-11/16	11/32	5-3/16	7	1-1/16
HX80-13/16	35/64	5-3/16	7	1-1/4	HX82-13/16	35/64	5-3/16	7	1-1/4
HX80-15/16	11/16	5-3/16	7	1-7/16	HX82-15/16	11/16	5-3/16	7	1-7/16
HX80-1-1/16	13/16	5-3/16	7	1-5/8	HX82-1-1/16	13/16	5-3/16	7	1-5/8
HX80-1-3/16	57/64	5-3/16	7	1-13/16	HX82-1-3/16	57/64	5-3/16	7	1-13/16

Hex shank sizes are the same size as the required nut



## Hex Shank Magnetic Car Reamers

List No. HX82M

Left Hand Spiral Flute / Right Hand Cut / HSS / Magnetic Shank



Description: Short length for use in tight areas.

Application: For use in electric and pneumatic tools & sockets.

EDP No./ Diameter	Point Diameter	Flute Length	Overall Length	Hex Dia.
HX82M-11/16	11/32	5-3/16	7	1-1/16
HX82M-13/16	35/64	5-3/16	7	1-1/4
HX82M-15/16	11/16	5-3/16	7	1-7/16
HX82M-1-1/16	13/16	5-3/16	7	1-5/8
HX82M-1-3/16	57/64	5-3/16	7	1-13/16

Hex shank sizes are the same size as the required nut

• 2 Embedded Magnets To Secure Reamer In Socket For Safety

- Align, enlarge, de-bur holes in structural steel, including stainless steel and tough alloys
- Used in rotary impact sockets, high helix cuts faster and chips less than standard helix in impact wrench applications
- Shank diameter for each reamer matches socket size for bolt which will be driven





## Maintenance Reamers

List No. SA80

1/2" Straight Shank\* / Left Hand Helix / Right Hand Cut / Collar Stop / HSS



Description: Enlarge and align existing holes. Effortlessly fits into small holes.

Application: Used in steel erection, automotive, truck & trailer manufacturing and repair. Quickly aligns structural steel. Cuts stainless steel & tough alloys. Deburs welded & punched holes. Ideal for maintenance & repair. Reduce cutting speeds and feeds when cutting aluminum.

EDP No./ Diameter	Decimal Equivalent	No. of Flutes	Point Diameter	Flute Length	Overall Length
SA80-5/16*	.3125	4	.176	3	4-3/4
SA80-3/8*	.3750	4	.188	3	5
SA80-7/16*	.4375	4	.218	3-1/4	5-1/4
SA80-1/2	.5000	5	.230	3-15/16	5-15/16
SA80-9/16	.5625	5	.2925	3-15/16	5-15/16
SA80-5/8	.6250	5	.259	4-1/2	6-9/16
SA80-.652	.6520	5	.293	4-3/4	6-9/16
SA80-11/16	.6875	5	.3125	4-1/2	6-9/16
SA80-3/4	.7500	5	.453	4-15/16	7
SA80-.776	.7760	5	.461	5-3/16	7
SA80-13/16	.8125	5	.5155	4-15/16	7
SA80-7/8	.8750	5	.580	5-3/16	7-1/4
SA80-15/16	.9375	5	.6425	5-3/16	7-1/4
SA80-1	1.0000	5	.708	5-3/16	7-1/4
SA80-1-1/16	1.0625	5	.753	5-7/16	7-1/4
SA80-1-1/8**	1.1250	5	.810	5-7/16	7-1/4
SA80-1-1/4**	1.2500	5	.930	5-11/16	7-1/2
SA80-1-3/8**	1.3750	5	.930	5-11/16	7-1/2
SA80-1-1/2**	1.5000	5	1.185	5-11/16	7-1/2

\*Shank diameter same as reamer diameter.

\*\*3/4" flatted shank

Sizes .652 and .776 are specifically for shoulder bolts used on truck frames.



## Bridge Reamers

List No. 982

Taper Shank / Left Hand Spiral Flute / Right Hand Cut /



Description: Cut with a shearing action, sending chips forward and generally give superior hole quality and bind less than the straight flute design. Can be used in RB65 and RB65E magnetic drill presses.

Application: Bridge building, erection and ship building industries. Not for use with regular hand drills - used with

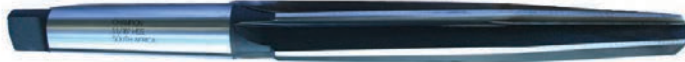
EDP No./ Diameter	Point Diameter	Overall Length	Flute Length	Shank No.	EDP No./ Diameter	Point Diameter	Overall Length	Flute Length	Shank No.
982-7/16	1/4	8-1/4	4-3/8	2	982-1-1/16	3/4	12	7-3/8	3
982-1/2	9/32	9	5-1/8	2	982-1-1/8	13/16	12	7-3/8	3
982-9/16	11/32	9	5-1/8	2	982-1-3/16	7/8	12	7-3/8	3
982-5/8	3/8	10	6-1/8	2	982-1-1/4	15/16	13	7-3/8	4
982-11/16	25/64	11-3/4	7-1/8	3	982-1-5/16	1	13	7-3/8	4
982-3/4	7/16	12	7-3/8	3	982-1-3/8	1-1/16	13	7-3/8	4
982-13/16	1/2	12	7-3/8	3	982-1-7/16	1-1/8	13	7-3/8	4
982-7/8	9/16	12	7-3/8	3	982-1-1/2	1-3/16	13	7-3/8	4
982-15/16	5/8	12	7-3/8	3	982-1-9/16	1-1/4	13	7-3/8	4
982-1	13/16	12	7-3/8	3	982-1-5/8	1-5/16	14-3/8	7-1/2	4

# CHAMPION

## Bridge Reamers

List No. 980

Taper Shank / Straight Flute / Right Hand Cut / HSS



Description: Engineered for heavy duty use in the reaming of off size, misshapen or misaligned holes in structural steel. Easy to hand regrind and when bound in the hole are easy to dislodge. Can be used in RB65E

Application: Bridge building, steel erection and ship building industries

EDP No./ Diameter	Point Diameter	Overall Length	Flute Length	Shank No.	EDP No./ Diameter	Point Diameter	Overall Length	Flute Length	Shank No.
980-7/16	1/4	8-1/4	4-3/8	2	980-15/16	5/8	12	7-3/8	3
980-1/2	9/32	9	5-1/8	2	980-1	11/16	12	7-3/8	3
980-9/16	11/32	9	5-1/8	2	980-1-1/16	3/4	12	7-3/8	3
980-5/8	3/8	10	6-1/8	2	980-1-1/8	13/16	12	7-3/8	3
980-11/16	25/64	11-3/4	7-1/8	3	980-1-3/16	7/8	12	7-3/8	3
980-3/4	7/16	12	7-3/8	3	980-1-1/4	15/16	13	7-3/8	4
980-13/16	1/2	12	7-3/8	3	980-1-5/16	1	13	7-3/8	4
980-7/8	9/16	12	7-3/8	3					

# CHAMPION

## Taper Pin Reamers

List No. 776

Straight Flute / Square Drive / HSS



List No. 778

Slow Spiral / Square Drive / HSS



List No. 777

Fast Spiral / Round Shank / HSS



Description: Taper pin hand reamers have a square shank for use by hand in tap and reamer wrenches. These reamers have a taper of 1/4"

Application: Often used as "mini" bridge reamers or for deburring the back of holes. The straight flute draws the chips back toward the power source. Used to ream holes by hand into which standard taper pins will fit.

Description: These reamers have a taper of 1/4" per foot, and are used to ream holes by machine into which

Application: Same as other taper pin reamers but at higher production rates.

No. 776 Straight Flute	No. 777 Fast Spiral	No. 778 Slow Spiral	Nominal Diameter		Flute Length	Overall Length
			Small End	Large End		
776-7/0	777-7/0	778-7/0	.0497	.0666	13/16	1-13/16
776-6/0	777-6/0	778-6/0	.0611	.0806	15/16	1-15/16
776-5/0	777-5/0	778-5/0	.0719	.0966	1-3/16	2-3/16
776-4/0	777-4/0	778-4/0	.0869	.1142	1-5/16	2-5/16
776-3/0	777-3/0	778-3/0	.1029	.1302	1-5/16	2-5/16
776-2/0	777-2/0	778-2/0	.1137	.1462	1-9/16	2-9/16
776-0	777-0	778-0	.1287	.1638	1-11/16	2-15/16
776-1	777-1	778-1	.1447	.1798	1-11/16	2-15/16
776-2	777-2	778-2	.1605	.2008	1-15/16	3-3/16
776-3	777-3	778-3	.1813	.2294	2-5/16	3-11/16
776-4	777-4	778-4	.2071	.2604	2-9/16	4-1/16
776-5	777-5	778-5	.2409	.2994	2-13/16	4-5/16
776-6	777-6	778-6	.2773	.3540	3-11/16	5-7/16
776-7	777-7	778-7	.3297	.4220	4-7/16	6-5/16
776-8	777-8	778-8	.3971	.5050	5-3/16	7-3/16
776-9	777-9	778-9	.4805	.6066	6-1/16	8-5/16
776-10	777-10	778-10	.5799	.7216	6-13/16	9-5/16