

# Hi-Carbon Specialty Tools

## HI-CARBON SCREW, STUD & PIPE EXTRACTORS

### Type 420

#### Screw & Pipe Extractors Hi-Carbon Steel - Spiral Style

- Remove broken screws, bolts, threaded parts, and pipes.
- Broken piece is extracted with out damage to threads.



**To remove the broken threaded part:** Drill a hole in the end of the broken part (left hand spiral heavy duty drills are recommended for this drilling operation), insert extractor, then turn counterclockwise using a wrench on the exposed end of the extractor.

TYPE 420 SCREW & PIPE EXTRACTORS

Part #	Screw Extractor Number	To remove Diameter of Screw	Diameter. of Screw Extractor Shank Point		Drill Size	No. per/pack
57100	EX-1	3/32" to 5/32"	1/8"	.060	5/64"	5
57110	EX-2	5/32" to 7/32"	3/16"	.080	7/64"	5
57120	EX-3	7/32" to 9/32"	1/4"	1/8	5/32"	5
57130	EX-4	9/32 to 3/8" and 1/8" pipe	5/16"	3/16	1/4"	5
57140	EX-5	3/8 to 5/8" and 1/4" pipe	7/16"	1/4	17/64"	5
57150	EX-6	5/8 to 7/8" and 3/8" pipe	5/8"	3/8	13/32"	1
57160	EX-7	7/8 to 1-1/8" and 1/2" pipe	7/8"	15/32	17/32"	1
57170	EX-8	1-1/8 to 1-3/8 and 3/4" pipe	11/32"	3/4	13/16"	1
57180	EX-9	1-3/8" up and 1" pipe	1-9/32"	1	1-1/8"	1

TYPE 420 SCREW & PIPE EXTRACTORS - CARDED

57107	EX-1	3/32 to 5/32"	1/8	.060	5/64"	1
57117	EX-2	5/32 to 7/32"	3/16	.080	7/64"	1
57127	EX-3	7/32 to 9/32	1/4	1/8	5/32"	1
57137	EX-4	9/32 to 3/8 and 1/8" pipe	5/16	3/16	1/4"	1
57147	EX-5	3/8 to 5/8 and 1/4" pipe	7/16	1/4	17/64"	1

### Type 421-AG

#### Studout™ Screw, Stud and Pipe Extractors - Square Style Forged Hi-Carbon Steel



- The square shape of these extractors gives the tools the ability to remove broken bolts, screws, and pipes with minimum deformation of the broken part.
- These extractors will not chew up or expand the object being removed.

**To remove the broken threaded part:** Drill a hole in the end of the broken part (left hand spiral heavy duty drills are recommended for this drilling operation), insert extractor, then turn counterclockwise using a wrench on the exposed end of the extractor.

TYPE 421-AG STUDOUT™ SCREW, STUD & PIPE EXTRACTOR

Part #	Screw Extractor Number	To remove Diameter of Screw	Diameter. of Screw Extractor Shank Point		Drill Size	No. per/pack
70760	E-1	3/16" - 9/32"	3/16"	1/8"	1/8"	5
70770	E-2	9/32" - 11/32"	1/4"	11/64"	3/16"	5
70780	E-3	11/32" - 1/2"	5/16"	7/32"	1/4"	5
70800	E-4	1/2" - 3/4"	3/8"	9/32"	5/16"	5
70810	E-5	5/8" - 7/8"	7/16"	21/64"	3/8"	5
70820	E-6	7/8" - 1"	1/2"	7/16"	1/2"	1
70830	E-7	1" - 1-1/4"	5/8"	1/2"	9/16"	1
70860	E-8	1-1/8" - 1-1/2"	3/4"	9/16"	5/8"	1
70870	E-9	1-1/4" - 1-3/4"	7/8"	5/8"	11/16"	1

### Type 421-USA

#### Screw, Stud & Pipe Extractors - Square Style Forged Hi-Carbon Steel

- The square shape of these extractors gives the tools the ability to remove broken bolts, screws, and pipes with minimum deformation of the broken part.
- These extractors will not chew up or expand the object being removed.



**To remove the broken threaded part:** Drill a hole in the end of the broken part (left hand spiral heavy duty drills are recommended for this drilling operation), insert extractor, then turn counterclockwise using a wrench on the exposed end of the extractor.

TYPE 421-USA SCREW, STUD & PIPE EXTRACTOR

Part #	Screw Extractor Number	To remove Diameter of Screw	Diameter. of Screw Extractor Shank Point		Drill Size	No. per/pack
20890	E-1	3/16" - 9/32"	3/16"	1/8"	1/8"	5
20900	E-2	9/32" - 11/32"	1/4"	11/64"	3/16"	5
20910	E-3	11/32" - 1/2"	5/16"	7/32"	1/4"	5
20920	E-4	1/2" - 3/4"	3/8"	9/32"	5/16"	5
20930	E-5	5/8" - 7/8"	7/16"	21/64"	3/8"	5
20940	E-6	7/8" - 1"	1/2"	7/16"	1/2"	1
20950	E-7	1" - 1-1/4"	5/8"	1/2"	9/16"	1
20960	E-8	1-1/8" - 1-1/2"	3/4"	9/16"	5/8"	1
20970	E-9	1-1/4" - 1-3/4"	7/8"	5/8"	11/16"	1