

# Auto-Gripper™ (Standard Type)

## Stud Removal/Extractor Tools



The Auto-Gripper™ is the tool of choice for removing or inserting studs in a wide variety of applications:

- Turbines
- Flanges
- Diesel Engines
- Stop Valves
- Compressors
- Manway Covers
- Boiler Feed Pumps
- Heavy Equipment
- Heat Exchangers
- Hydro-Cracker Units
- Pulp Dryers
- Roll Pins



### **Fast**

Removes studs in a fraction of the time needed for conventional methods, saving critical path hours.

### **Cost-Effective**

Greatly reduces maintenance and turnaround man-hours, equipment costs and tooling required to remove studs.

### **Non-Destructive**

Minimal damage to the stud even when gripping on threads.

### **Safe**

The Auto-Gripper™ has the ability to remove studs quickly, greatly reducing crew time and exposure in hazardous or radioactive environments (ALARA).

### **Easy**

Requires minimal training, set-up and support equipment. The gripping cartridge can be conveniently removed for cleaning and replacement.

For general maintenance, outages, shutdowns or turnarounds, frozen studs cost hundreds of man-hours and thousands of dollars each year. The Auto-Gripper™ is a simple, safe and cost-effective tool for removing stubborn fasteners.

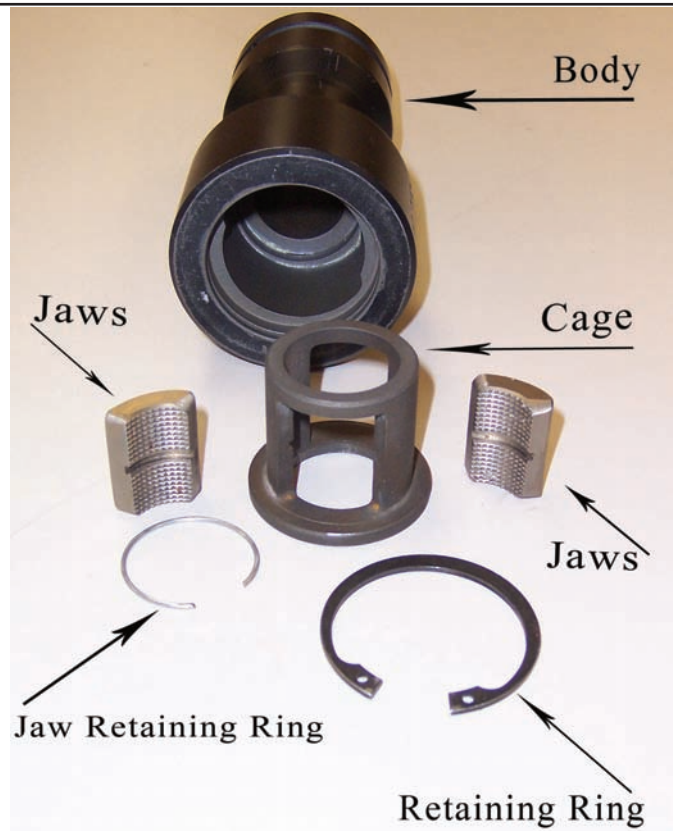
The Auto-Gripper™ is designed with a square drive to accept the pneumatic impact wrench and houses a one piece gripping cartridge containing the three gripping jaws. The Auto-Gripper™ cartridge is the only moving part of the tool.

The end containing the gripping cartridge slides down over the stud to be removed. As the motion of the impact wrench turns the Auto-Gripper™, the three jaws lock on the stud forming a solid link between the wrench and the stud. The tremendous impact force of the wrench is transmitted evenly down the center of the stud causing it to *break-free* from the threaded imbedment.

Once the stud is unscrewed from it's housing, simply reverse the impact wrench and the stud can be released from the Auto-Gripper™.

Routine maintenance of the Auto-Gripper™ consists of regular cleaning and lubrication of the gripper cartridge.

# Auto-Gripper Sizes



## STANDARD EXTRACTORS

Stud Diameter	Extractor Model #	SQ Drive Size
3/8"	SR006	1/2"
7/16"	SR007	1/2"
1/2"	SR008	1/2"
5/8"	SR010	1/2"
3/4"	SR012	1/2"
7/8"	SR014	1"
1"	SR100	1"
1-1/8"	SR102	1-1/2"
1-1/4"	SR104	1-1/2"
1-3/8"	SR106	1-1/2"
1-1/2"	SR108	1-1/2"
1-5/8"	SR110	1-1/2"
1-3/4"	SR112	1-1/2"
1-7/8"	SR114	1-1/2"
2"	SR200	2-1/2"
2-1/4"	SR204	2-1/2"
2-1/2"	SR208	2-1/2"
2-3/4"	SR212	2-1/2"
3"	SR300	3-1/2"
3-1/4"	SR304	3-1/2"
3-1/2"	SR308	3-1/2"
3-3/4"	SR312	3-1/2"
4"	SR400	3-1/2"
4-1/2"	SR408	3-1/2"
4-7/8"	SR414	3-1/2"
5"	SR500	3-1/2"
6"	SR600	4"

## STANDARD INSTALLERS

Stud Diameter	Installer Model #	SQ Drive Size
3/8"	SI006	1/2"
7/16"	SI007	1/2"
1/2"	SI008	1/2"
5/8"	SI010	1/2"
3/4"	SI012	1/2"
7/8"	SI014	1"
1"	SI100	1"
1-1/8"	SI102	1-1/2"
1-1/4"	SI104	1-1/2"
1-3/8"	SI106	1-1/2"
1-1/2"	SI108	1-1/2"
1-5/8"	SI110	1-1/2"
1-3/4"	SI112	1-1/2"
1-7/8"	SI114	1-1/2"
2"	SI200	2-1/2"
2-1/4"	SI204	2-1/2"
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