






## Serious Solutions for Stuck Fasteners

IRWIN® Tools has the solution to deal with a stuck fastener, a rounded or broken head, a snapped stud, or a stripped screw or fitting. Five different styles of extractors give you extra gripping power to remove problem fasteners without damaging workpieces.

## Remove the Guesswork in Fastener Extraction

Fasteners vary widely in composition and hardness. That's why IRWIN has many different products for removing damaged fasteners and parts. Each extraction tool is specifically designed to take into account the material involved in order to make removal easier. The guidelines below will help you choose the tool that will deliver the optimal results for your particular situation.

Extractor Type	Benefits	Fastener Size Range	Drive Tool
<b>Straight Flute</b> 	<ul style="list-style-type: none"> <li>Extracts without expanding material</li> <li>Ideal for pipes and fittings</li> <li>Works on left-hand or right-hand threads</li> </ul>	3/16" - 7/8"	<ul style="list-style-type: none"> <li>Tap Wrench</li> <li>Wrench</li> <li>Socket Wrench</li> <li>WISE-GRIP® Locking Pliers</li> <li>IRWIN Tap Adaptors</li> </ul>
<b>Spiral Screw</b> 	<ul style="list-style-type: none"> <li>Spiral bites into harder materials with increasing torque</li> <li>Flutes embed deeper with each turn</li> </ul>	3/32" - 2-1/2"	<ul style="list-style-type: none"> <li>Tap Wrench</li> <li>Wrench</li> <li>Socket Wrench</li> <li>WISE-GRIP Locking Pliers</li> <li>IRWIN Tap Adaptors</li> </ul>
<b>Multi-Spline Screw</b> 	<ul style="list-style-type: none"> <li>Low profile enables use in confined areas</li> <li>Provides most torque of internal extractors</li> <li>Engages fastener without a deep hole</li> </ul>	1/8" - 7/8"	<ul style="list-style-type: none"> <li>Flat Wrench</li> <li>Socket Wrench</li> <li>WISE-GRIP Locking Pliers</li> </ul>
<b>Bolt Extractor</b> 	<ul style="list-style-type: none"> <li>Engages rusted-over, painted-on, and stripped-out bolts</li> <li>Grips broken, worn, or stubborn fasteners</li> <li>Drive with a variety of tools</li> </ul>	1/4" - 1"	<ul style="list-style-type: none"> <li>Socket Wrench</li> <li>Wrench</li> <li>WISE-GRIP Locking Pliers</li> </ul>
<b>POWER-GRIP™ Screw &amp; Bolt Extractors</b> 	<ul style="list-style-type: none"> <li>Grips rusted, painted, stripped, and even round-head fasteners and screws</li> <li>Easily fits into drill or power driver with quick change shank</li> </ul>	3/16" - 1/2"	<ul style="list-style-type: none"> <li>Power Drill</li> <li>WISE-GRIP Locking Pliers</li> </ul>

EXTRACTORS

## Guide for Using Screw Extractors

Drill a hole in the threaded part or fastener to be removed. Drill deep enough for the extractor to grip without bottoming out. For best results, use a left-handed drill bit. Insert the extractor and turn with a wrench or drive tool.

## HANSON® 10-piece Spiral Screw Extractor & Drill Bit Set



11119

## HANSON 10-piece Spiral Screw Extractor & Drill Bit Combo Packs



11117

## HANSON 35-piece Spiral Screw Extractor & Drill Bit Set



11135ZR

## HANSON 48-piece Master Extractor Set



3101010

- IRWIN's most complete extractor kit
- For use with fasteners above, below, or flush with the work surface

Description	Contents		Item # 11119	
10-pc Set in Metal Index	Spiral Screw Extractors/Item#		Drill Bits/Item #	
	EX-1	52401	5/64"	30505
	EX-2	52402	7/64"	30507
	EX-3	52403	5/32"	30510
	EX-4	52404	1/4"	30516
	EX-5	52405	19/64"	30519

Description	Contents		Item # 11117	
10-pc Set in Metal Index	Spiral Screw Extractors/Item#		Drill Bits/Item #	
	EX-1	52401	5/64"	63105
	EX-2	52402	7/64"	63107
	EX-3	52403	5/32"	63110
	EX-4	52404	1/4"	63116
	EX-5	52405	19/64"	63119

Description	Contents				Item # 11135ZR	
35-pc Set	Spiral Screw Extractors/Item #		Multi Spline Extractors/Item #		Left-Hand Cobalt Drill Bits/Item #	
	EX-1	52401	1/8"	53201	5/64"	30505
	EX-2	52402	5/32"	53202	7/64"	30507
	EX-3	52403	3/16"	53203	1/8"	30508
	EX-4	52404	7/32"	53204	5/32"	30510
	EX-5	52405	1/4"	53205	3/16"	30512
	EX-6	52406	9/32"	53206	7/32"	30514
			5/16"	53207	1/4"	30516
			11/32"	53208	9/32"	30518
			3/8"	53209	19/64"	30519
			13/32"	53210	5/16"	31520
			7/16"	53211	11/32"	30522
			15/32"	53212	3/8"	30524
			1/2"	53213	13/32"	30526
					7/16"	30528
					15/32"	30530
					1/2"	30532

Description	Contents					Item # 3101010		
48-pc Master Set	Spiral Screw Extractors/Item #		Multi Spline Extractors/Item #		Bolt Extractors/Item #		Left-Hand Cobalt Drill Bits/Item #	
	EX-1	52401	1/8"	53201	1/4"	53901	5/64"	30505
	EX-2	52402	5/32"	53202	5/16"-8mm	53902	7/64"	30507
	EX-3	52403	3/16"	53203	3/8"	53903	1/8"	30508
	EX-4	52404	7/32"	53204	10mm	53904	5/32"	30510
	EX-5	52405	1/4"	53205	7/16"-11mm	53905	3/16"	30512
	EX-6	52406	9/32"	53206	12mm	53906	7/32"	30514
			5/16"	53207	1/2"	53907	1/4"	30516
			11/32"	53208	13mm	53908	9/32"	30518
			3/8"	53209	9/16"-14mm	53909	19/64"	30519
			13/32"	53210	5/8"-16mm	53910	5/16"	31520
			7/16"	53211	17mm	53911	11/32"	30522
			15/32"	53212	11/16"	53912	3/8"	30524
			1/2"	53213	3/4"-19mm	53913	13/32"	30526
							7/16"	30528
							15/32"	30530
							1/2"	30532

EXTRACTORS