

IRWIN EXTRACTORS



BOLT EXTRACTORS



P/N 8881

13 Piece Professional Set Features:

- Set includes bolt extractors to remove bolt sizes:
 - 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
 - 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 16mm, 17mm, 19mm
- Drive size: 3/8"
- Plastic Case

- When you are faced with a rounded-off, rusted-tight or painted-over bolt, bolt extractors will break it free
- Reverse spiral flutes are designed to bite down to provide maximum gripping power
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- 3/8" & 1/2" square drive for use with hand ratchets, impact wrenches, and air ratchets
- Hexagonal flats for use with flat wrench, pliers, adjustable wrench, sockets or VISE-GRIP® locking pliers

5 Piece Base Set Features:

- Set includes bolt extractors to remove bolts sizes:
 - 3/8", 7/16", 1/2", 9/16", 5/8"
 - 11mm, 14mm, 16mm
- Drive size: 3/8"
- Includes most commonly used sizes
- Plastic Case (accommodates expansion set P/N 8883)

P/N 8882



BOLT EXTRACTORS

5 Piece Expansion Set Includes:

- Set includes bolt extractors to remove bolts sizes:
 - 5/16", 11/16", 3/4"
 - 8mm, 10mm, 13mm, 19mm
- Drive size: 3/8"



IRWIN
HANSON




P/N 8883

P/N 17054

Tray Assortment Includes:

- 1/4" - 1" / 8mm - 24mm
- 18 Pieces in Metal Case
- Drive sizes: 3/8" & 1/2"


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INDUSTRIAL CORP.**

BOLT EXTRACTORS

FEATURES

- When you are faced with a rounded-off, rusted tight or painted-over bolt, bolt extractors will break it free
- Reverse spiral flutes are designed to bite down to provide maximum gripping power
- High carbon steel ensures longer life and greater durability
- Universal tubular design fits all types of fasteners
- 3/8" & 1/2" square drive for use with hand wrenches, impact wrenches, and air ratchets
- Hexagonal flats for use with flat wrench, pliers, adjustable wrench, sockets or IRWIN® VISE-GRIP® locking pliers

PIN 17054

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REMOVES METRIC BOLT N/A
REMOVES FRACTIONAL BOLT 1/4"
DRIVE SIZE: 3/8"
PIN 22151

REMOVES METRIC BOLT 8 mm
REMOVES FRACTIONAL BOLT 5/16"
DRIVE SIZE: 3/8"
PIN 22152

REMOVES METRIC BOLT N/A
REMOVES FRACTIONAL BOLT 3/8"
DRIVE SIZE: 3/8"
PIN 22153

REMOVES METRIC BOLT 10 mm
REMOVES FRACTIONAL BOLT N/A
DRIVE SIZE: 3/8"
PIN 22154

REMOVES METRIC BOLT 11 mm
REMOVES FRACTIONAL BOLT 7/16"
DRIVE SIZE: 3/8"
PIN 22155

REMOVES METRIC BOLT 12 mm
REMOVES FRACTIONAL BOLT N/A
DRIVE SIZE: 3/8"
PIN 22156

REMOVES METRIC BOLT 12 mm
REMOVES FRACTIONAL BOLT 1/2"
DRIVE SIZE: 3/8"
PIN 22157

REMOVES METRIC BOLT 13 mm
REMOVES FRACTIONAL BOLT N/A
DRIVE SIZE: 3/8"
PIN 22158

REMOVES METRIC BOLT 14 mm
REMOVES FRACTIONAL BOLT 3/4"
DRIVE SIZE: 3/8"
PIN 22159

REMOVES METRIC BOLT 16 mm
REMOVES FRACTIONAL BOLT 9/16"
DRIVE SIZE: 3/8"
PIN 22160

REMOVES METRIC BOLT 17 mm
REMOVES FRACTIONAL BOLT N/A
DRIVE SIZE: 3/8"
PIN 22161

REMOVES METRIC BOLT N/A
REMOVES FRACTIONAL BOLT 1 1/16"
DRIVE SIZE: 3/8"
PIN 22162

REMOVES METRIC BOLT 18 mm
REMOVES FRACTIONAL BOLT 3/4"
DRIVE SIZE: 3/8"
PIN 22163

REMOVES METRIC BOLT 18 mm
REMOVES FRACTIONAL BOLT 3/4"
DRIVE SIZE: 1/2"
PIN 22164

REMOVES METRIC BOLT 21 mm
REMOVES FRACTIONAL BOLT 1 3/16"
DRIVE SIZE: 1/2"
PIN 22165

REMOVES METRIC BOLT 22 mm
REMOVES FRACTIONAL BOLT 7/8"
DRIVE SIZE: 1/2"
PIN 22166

REMOVES METRIC BOLT 24 mm
REMOVES FRACTIONAL BOLT 1 1/2"
DRIVE SIZE: 1/2"
PIN 22167

REMOVES METRIC BOLT N/A
REMOVES FRACTIONAL BOLT 1"
DRIVE SIZE: 1/2"
PIN 22168

EXPANSION

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P/N	Description	Removes Metric Bolt Sizes	Removes Fractional Bolt Sizes	Drive Size
22151	1/4" Bolt Extractor	N/A	1/4"	3/8"
22152	5/16" & 8mm Bolt Extractor	8mm	5/16"	3/8"
22153	3/8" Bolt Extractor	N/A	3/8"	3/8"
22154	10mm Bolt Extractor	10mm	N/A	3/8"
22155	7/16" & 11mm Bolt Extractor	11mm	7/16"	3/8"
22156	12mm Bolt Extractor	12mm	N/A	3/8"
22157	1/2" Bolt Extractor	N/A	1/2"	3/8"
22158	13mm Bolt Extractor	13mm	N/A	3/8"
22159	9/16" & 14mm Bolt Extractor	14mm	9/16"	3/8"
22160	5/8" & 16mm Bolt Extractor	16mm	5/8"	3/8"
22161	17mm Bolt Extractor	17mm	N/A	3/8"
22162	11/16" Bolt Extractor	N/A	11/16"	3/8"
22163	3/4" & 19mm Bolt Extractor	19mm	3/4"	3/8"
22164	3/4" & 19mm Bolt Extractor	19mm	3/4"	1/2"
22165	13/16" & 21mm Bolt Extractor	21mm	13/16"	1/2"
22166	7/8" & 22mm Bolt Extractor	22mm	7/8"	1/2"
22167	15/16" & 24mm Bolt Extractor	24mm	15/16"	1/2"
22168	1" Bolt Extractor	N/A	1"	1/2"

HEX HEAD MULTI-SPLINE SCREW EXTRACTORS



10 Piece Set Includes:

- 1/8" through 13/32"
- Plastic Case

P/N 8880

- Designed to remove broken studs, bolts, socket screws and fittings for high torque applications
- Aggressive left-hand spiral design for extra gripping power

P/N 17053

Tray Assortment

- 1/8" - 7/8"
- 25 pieces in a Metal Case



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HANSON®

CHROMATE INDUSTRIAL CORP.		HEX HEAD MULTI-SPLINE SCREW EXTRACTORS			
FEATURES:		<ul style="list-style-type: none"> Designed to remove broken studs, bolts, socket screws and fittings for high torque applications Aggressive left-hand spiral design for extra gripping power 			
P/N 17053					
HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 1/2"
BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12
DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"
PIN 22126	PIN 22127	PIN 22128	PIN 22129	PIN 22130	PIN 22131
HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 1/2"	HEX HEAD SIZE: 5/8"	HEX HEAD SIZE: 5/8"
BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12
DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"
PIN 22132	PIN 22133	PIN 22134	PIN 22135	PIN 22136	PIN 22137
HEX HEAD SIZE: 5/8"	HEX HEAD SIZE: 3/4"	HEX HEAD SIZE: 3/4"	HEX HEAD SIZE: 3/4"	HEX HEAD SIZE: 3/4"	HEX HEAD SIZE: 3/4"
BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12
DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"
PIN 22138	PIN 22139	PIN 22140	PIN 22141	PIN 22142	PIN 22143
HEX HEAD SIZE: 7/8"	HEX HEAD SIZE: 7/8"	HEX HEAD SIZE: 7/8"	HEX HEAD SIZE: 1"	HEX HEAD SIZE: 1"	HEX HEAD SIZE: 1"
BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12	BOLT DIA: #12
DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"	DRILL BIT DIA: 1/2"
PIN 22144	PIN 22145	PIN 22146	PIN 22147	PIN 22148	PIN 22149
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P/N	Description	Hex Head Size	Bolt Diameter	Recommended Drill Bit Diameter
22126	1/8" Hex Head Multi-Spline Screw Extractor	1/2"	#12	1/8"
22127	5/32" Hex Head Multi-Spline Screw Extractor	1/2"	1/4"	5/32"
22128	3/16" Hex Head Multi-Spline Screw Extractor	1/2"	5/16"	3/16"
22129	7/32" Hex Head Multi-Spline Screw Extractor	1/2"	3/8"	7/32"
22130	1/4" Hex Head Multi-Spline Screw Extractor	1/2"	7/16"	1/4"
22131	9/32" Hex Head Multi-Spline Screw Extractor	1/2"	1/2"	9/32"
22132	5/16" Hex Head Multi-Spline Screw Extractor	1/2"	9/16"	5/16"
22133	11/32" Hex Head Multi-Spline Screw Extractor	1/2"	5/8"	11/32"
22134	3/8" Hex Head Multi-Spline Screw Extractor	1/2"	11/16"	3/8"
22135	13/32" Hex Head Multi-Spline Screw Extractor	1/2"	3/4"	13/32"
22136	7/16" Hex Head Multi-Spline Screw Extractor	5/8"	13/16"	7/16"
22137	15/32" Hex Head Multi-Spline Screw Extractor	5/8"	7/8"	15/32"
22138	1/2" Hex Head Multi-Spline Screw Extractor	5/8"	15/16"	1/2"
22139	17/32" Hex Head Multi-Spline Screw Extractor	3/4"	1"	17/32"
22140	9/16" Hex Head Multi-Spline Screw Extractor	3/4"	1-1/16"	9/16"
22141	19/32" Hex Head Multi-Spline Screw Extractor	3/4"	1-1/8"	19/32"
22142	5/8" Hex Head Multi-Spline Screw Extractor	3/4"	1-3/16"	5/8"
22143	21/32" Hex Head Multi-Spline Screw Extractor	7/8"	1-1/4"	21/32"
22144	11/16" Hex Head Multi-Spline Screw Extractor	7/8"	1-5/16"	11/16"
22145	23/32" Hex Head Multi-Spline Screw Extractor	7/8"	1-3/8"	23/32"
22146	3/4" Hex Head Multi-Spline Screw Extractor	7/8"	1-7/16"	3/4"
22147	25/32" Hex Head Multi-Spline Screw Extractor	1"	1-1/2"	25/32"
22148	13/16" Hex Head Multi-Spline Screw Extractor	1"	1-9/16"	13/16"
22149	27/32" Hex Head Multi-Spline Screw Extractor	1"	1-5/8"	27/32"
22150	7/8" Hex Head Multi-Spline Screw Extractor	1"	1-11/16"	7/8"

BOLT-GRIP™ DEEP WELL EXTRACTORS

- Deep well design fits over exposed studs & reaches recessed fasteners
- Reduced profile head enables use in confined spaces
- 3/8" square drive for use with hand ratchets, impact wrenches, and air ratchets
- Hexagonal flats for use with flat wrench, pliers, adjustable wrench, sockets, or VISE-GRIP® locking pliers
- When you are faced with a rounded-off, rusted-tight or painted-over bolt, these bolt extractors will break it free
- Reverse spiral flutes are designed to bite down to provide maximum gripping power
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners

P/N 8884



5 Piece Set Includes:

- Deep Well extractors to remove bolts sizes:
 - 3/8", 7/16", 1/2", 9/16", 5/8"
 - 11mm, 14mm, 16mm,
- Drive size: 3/8"
- Plastic Case

P/N	Description	Removes Metric Bolt Sizes	Removes Fractional Bolt Sizes	Drive Size
22169	3/8" Bolt-Grip™ Deep Well Extractor	N/A	3/8"	3/8"
22170	7/16" & 11mm Bolt-Grip™ Deep Well Extractor	11mm	7/16"	3/8"
22171	1/2" Bolt-Grip™ Deep Well Extractor	N/A	1/2"	3/8"
22172	9/16" & 14mm Bolt-Grip™ Deep Well Extractor	14mm	9/16"	3/8"
22173	5/8" & 16mm Bolt-Grip™ Deep Well Extractor	16mm	5/8"	3/8"

POWER-GRIP™ SCREW & BOLT EXTRACTORS

- Easily removes damaged screws and bolts
- Designed for use with power tools
- 1/4" hex shank fits most drills and quick change adaptors
- When you are faced with a rounded-off, rusted-tight or painted-over bolt, these bolt extractors will break it free
- Reverse spiral flutes are designed to bite down to provide maximum gripping power
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners

P/N 8885



7 Piece Set Includes:

- Power-Grip bolt extractors remove bolt sizes:
 - 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
 - 8mm, 10mm, 11mm
- Drive size: 1/4" hex shank
- Plastic Case

P/N	Description	Removes Metric Bolt Sizes	Removes Fractional Bolt Sizes	Drive Size (Hex Shank)
22174	3/16" Power-Grip™ Screw & Bolt Extractor	N/A	3/16"	1/4"
22175	1/4" Power-Grip™ Screw & Bolt Extractor	N/A	1/4"	1/4"
22176	5/16" & 8mm Power-Grip™ Screw & Bolt Extractor	8mm	5/16"	1/4"
22177	3/8" Power-Grip™ Screw & Bolt Extractor	N/A	3/8"	1/4"
22178	10mm Power-Grip™ Screw & Bolt Extractor	10mm	N/A	1/4"
22179	7/16" & 11mm Power-Grip™ Screw & Bolt Extractor	11mm	7/16"	1/4"
22180	1/2" Power-Grip™ Screw & Bolt Extractor	N/A	1/2"	1/4"

TRAY ASSORTMENTS



BOLT EXTRACTORS

FEATURES:

- When you are faced with a rounded-off, rusted-tight or painted-over bolt, bolt extractors will break it free
- Reverse spiral flutes are designed to bite down to provide maximum gripping power
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- 3/8" & 1/2" square drive for use with hand ratchets, impact wrenches, and air ratchets
- Hexagonal flats for use with flat wrench, pliers, adjustable wrench, sockets or IRWIN® VISE-GRIP® locking pliers

P/N 17054

18	 REMOVES METRIC BOLT: N/A REMOVES FRACTIONAL BOLT: 1/4" DRIVE SIZE: 3/8" P/N 22151	 REMOVES METRIC BOLT: 8 mm REMOVES FRACTIONAL BOLT: 5/16" DRIVE SIZE: 3/8" P/N 22152	 REMOVES METRIC BOLT: N/A REMOVES FRACTIONAL BOLT: 3/8" DRIVE SIZE: 3/8" P/N 22153	 REMOVES METRIC BOLT: 10 mm REMOVES FRACTIONAL BOLT: N/A DRIVE SIZE: 3/8" P/N 22154	 REMOVES METRIC BOLT: 11 mm REMOVES FRACTIONAL BOLT: 7/16" DRIVE SIZE: 3/8" P/N 22155	EXPANSION
	 REMOVES METRIC BOLT: 12 mm REMOVES FRACTIONAL BOLT: N/A DRIVE SIZE: 3/8" P/N 22156	 REMOVES METRIC BOLT: N/A REMOVES FRACTIONAL BOLT: 1/2" DRIVE SIZE: 3/8" P/N 22157	 REMOVES METRIC BOLT: 13 mm REMOVES FRACTIONAL BOLT: N/A DRIVE SIZE: 3/8" P/N 22158	 REMOVES METRIC BOLT: 14 mm REMOVES FRACTIONAL BOLT: 9/16" DRIVE SIZE: 3/8" P/N 22159	 REMOVES METRIC BOLT: 16 mm REMOVES FRACTIONAL BOLT: 5/8" DRIVE SIZE: 3/8" P/N 22160	
	 REMOVES METRIC BOLT: 17 mm REMOVES FRACTIONAL BOLT: N/A DRIVE SIZE: 3/8" P/N 22161	 REMOVES METRIC BOLT: N/A REMOVES FRACTIONAL BOLT: 11/16" DRIVE SIZE: 3/8" P/N 22162	 REMOVES METRIC BOLT: 19 mm REMOVES FRACTIONAL BOLT: 3/4" DRIVE SIZE: 3/8" P/N 22163	 REMOVES METRIC BOLT: 19 mm REMOVES FRACTIONAL BOLT: 3/4" DRIVE SIZE: 1/2" P/N 22164	 REMOVES METRIC BOLT: 21 mm REMOVES FRACTIONAL BOLT: 13/16" DRIVE SIZE: 1/2" P/N 22165	
A27-61	 REMOVES METRIC BOLT: 22 mm REMOVES FRACTIONAL BOLT: 7/8" DRIVE SIZE: 1/2" P/N 22166	 REMOVES METRIC BOLT: 24 mm REMOVES FRACTIONAL BOLT: 15/16" DRIVE SIZE: 1/2" P/N 22167	 REMOVES METRIC BOLT: N/A REMOVES FRACTIONAL BOLT: 1" DRIVE SIZE: 1/2" P/N 22168	EXPANSION	EXPANSION	

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HEX HEAD MULTI-SPLINE SCREW EXTRACTORS

FEATURES:

- Designed to remove broken studs, bolts, socket screws and fittings for high torque applications
- Aggressive left hand spiral design for extra gripping power

P/N 17053

25	 HEX HEAD SIZE: 1/2" BOLT DIA.: #12 DRILL BIT DIA.: 1/8" P/N 22126	 HEX HEAD SIZE: 1/2" BOLT DIA.: 1/4" DRILL BIT DIA.: 5/32" P/N 22127	 HEX HEAD SIZE: 1/2" BOLT DIA.: 5/16" DRILL BIT DIA.: 3/16" P/N 22128	 HEX HEAD SIZE: 1/2" BOLT DIA.: 3/8" DRILL BIT DIA.: 7/32" P/N 22129	 HEX HEAD SIZE: 1/2" BOLT DIA.: 7/16" DRILL BIT DIA.: 1/4" P/N 22130	 HEX HEAD SIZE: 1/2" BOLT DIA.: 1/2" DRILL BIT DIA.: 9/32" P/N 22131
	 HEX HEAD SIZE: 1/2" BOLT DIA.: 9/16" DRILL BIT DIA.: 5/16" P/N 22132	 HEX HEAD SIZE: 1/2" BOLT DIA.: 5/8" DRILL BIT DIA.: 11/32" P/N 22133	 HEX HEAD SIZE: 1/2" BOLT DIA.: 11/16" DRILL BIT DIA.: 3/8" P/N 22134	 HEX HEAD SIZE: 1/2" BOLT DIA.: 3/4" DRILL BIT DIA.: 13/32" P/N 22135	 HEX HEAD SIZE: 5/8" BOLT DIA.: 13/16" DRILL BIT DIA.: 7/16" P/N 22136	 HEX HEAD SIZE: 5/8" BOLT DIA.: 1 1/8" DRILL BIT DIA.: 15/32" P/N 22137
	 HEX HEAD SIZE: 5/8" BOLT DIA.: 15/16" DRILL BIT DIA.: 1/2" P/N 22138	 HEX HEAD SIZE: 3/4" BOLT DIA.: 1" DRILL BIT DIA.: 17/32" P/N 22139	 HEX HEAD SIZE: 3/4" BOLT DIA.: 1-1/16" DRILL BIT DIA.: 9/16" P/N 22140	 HEX HEAD SIZE: 3/4" BOLT DIA.: 1-1/8" DRILL BIT DIA.: 19/32" P/N 22141	 HEX HEAD SIZE: 3/4" BOLT DIA.: 1-3/16" DRILL BIT DIA.: 5/8" P/N 22142	 HEX HEAD SIZE: 7/8" BOLT DIA.: 1-1/4" DRILL BIT DIA.: 21/32" P/N 22143
A27-61	 HEX HEAD SIZE: 7/8" BOLT DIA.: 1-5/16" DRILL BIT DIA.: 11/16" P/N 22144	 HEX HEAD SIZE: 7/8" BOLT DIA.: 1-3/8" DRILL BIT DIA.: 23/32" P/N 22145	 HEX HEAD SIZE: 7/8" BOLT DIA.: 1-7/16" DRILL BIT DIA.: 3/4" P/N 22146	 HEX HEAD SIZE: 1" BOLT DIA.: 1-1/2" DRILL BIT DIA.: 25/32" P/N 22147	 HEX HEAD SIZE: 1" BOLT DIA.: 1-9/16" DRILL BIT DIA.: 13/16" P/N 22148	 HEX HEAD SIZE: 1" & 1" BOLT DIA.: 1-5/8" & 1-11/16" DRILL BIT DIA.: 27/32" & 7/8" P/N 22149 & 22150

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