



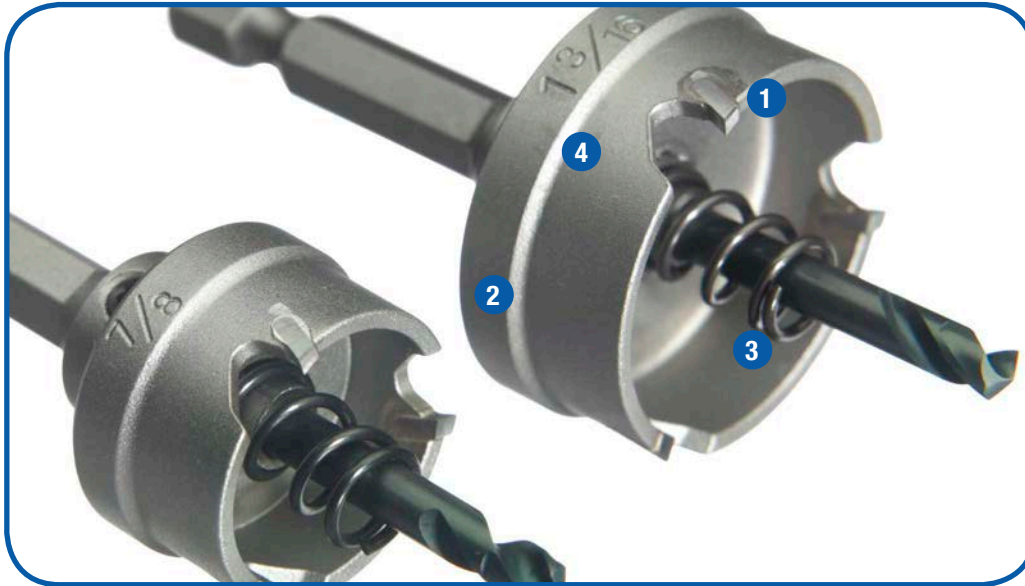
# Carbide Tipped Hole Cutters

## List No. CT3

Description: Three carbide tips, pilot drill and ejector spring. Features a 1/4" hex shank for use in impact drivers and cordless electric drills



Application: For drilling sheet metal up to 1/8" thick. Ideal for the electrical, HVAC, and sheet metal trades.

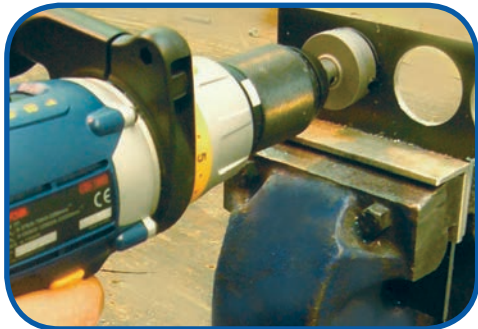


- 1 Special tungsten carbide teeth**
- Excellent wear and heat resistance
  - Cuts stainless steel and tough alloys

- 2 One piece construction**
- No assembly required
  - Stable accurate drilling

- 3 Ejector spring (Standard)**
- Ejects the slug, thus saving time

- 4 Safety collar stop**
- Prevents over penetration for safer, faster operation.



- Applications**
- Junction / Switch Boxes
  - Metal Studs
  - Electrical Appliances
  - Lighting Fixtures
  - Auto Body Repair
  - Truck / Trailer Frames
  - Ductile Pipe

The CT3 CARBIDE TIPPED HOLE CUTTER is the ideal solution for drilling holes in sheet metal when using cordless drills

- Perfect for use in battery powered drills because they cut quickly and use very little power
- Engineered for cutting thin materials up to 1/8" with fast, clean cuts everytime
- Cut stainless steel, sheet metal and tubing
- 1/4" Hex Shank for use in impact drivers, cordless electric drills and QCD (quick-change driver)
- See page 141 of the sets section for the full range of CT3 plastic cased sets

# Up to 150 holes with each cutter in Stainless Steel

EDP No./ Size	EDP No./ Size
CT3-5/8	CT3-1-1/16
CT3-11/16	CT3-1-1/8
CT3-3/4	CT3-1-3/16
CT3-13/16	CT3-1-1/4
CT3-7/8	CT3-1-5/16
CT3-15/16	CT3-1-3/8
CT3-1	

EDP No./ Size	Description
CT3-PILOT	Pilot Drill (1-9/16" OAL)
CT3-SCREW	Screw for CT3 Hole Cutter
CT3-SPRING	Spring for CT3 Hole Cutter

EDP No./ Size	Contents
ELEC-KIT	MSD-HEX-13, CT3-7/8, CT3-1-1/8, CT3-1-3/8 and QCD



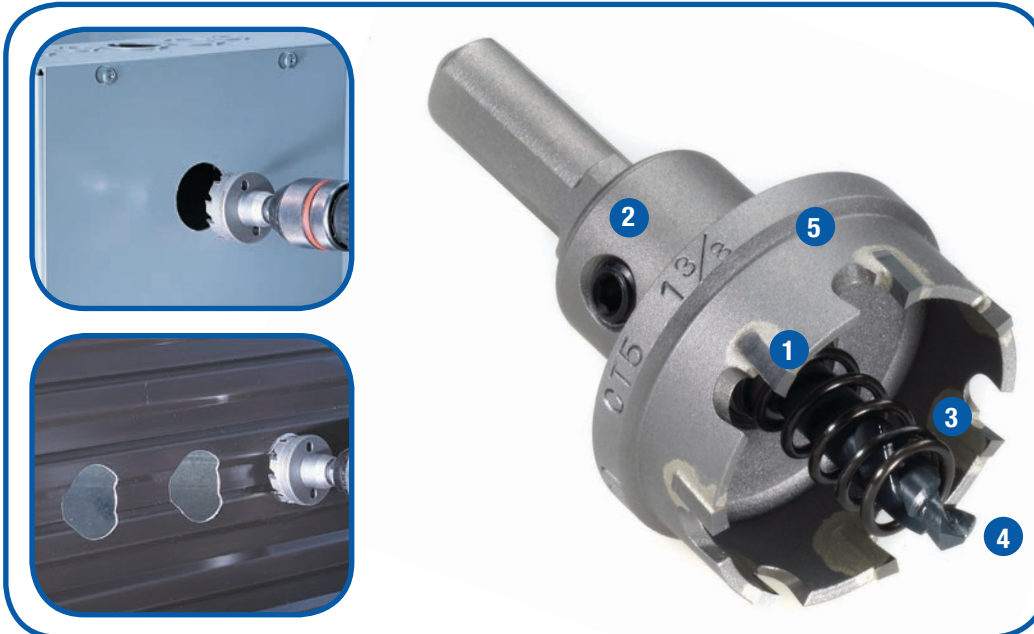
# CHAMPION

## Carbide Tipped Hole Cutters

List No. CT5

Description: Carbide tipped hole cutter features ultra hard tungsten carbide teeth, pilot drill and ejector spring.

Application: For cutting steel plate, iron, aluminum, copper, cast iron, stainless steel, FRP and plastics up to 3/16" thick. Ideal for electrical, mechanical and HVAC contractors.



1 Special tungsten carbide teeth with carbide tip pocket

- Excellent wear and heat resistance
- Cuts stainless steel and tough alloys
- Tip pocket for quicker chip extraction

2 One piece construction

- No assembly required
- Stable accurate drilling

3 Strong, heat resistant ejector spring

- Ejects the slug saving time

4 Stepped pilot drill

- Reduces tip impact

5 Safety collar stop

- Prevents over penetration for safer, faster operation.

### Applications

- Junction / Switch Boxes
- Metal Studs
- Appliances
- Auto Body Repair
- Truck Body Repair

- Cut longer and faster than holesaws and twist drills, increasing productivity on the job
- Perfect portable tool for the professional electrician, plumber, mechanic and contractor
- Better than bi-metal holesaws
- For cutting steel plate, iron, aluminum, copper, cast iron, stainless steel, FRP (i.e fiberglass) and plastics
- 9/16" to 2-5/8" have 3/8" shank, 2-3/4" to 5" have 1/2" shank
- See page 141 of the sets section for the full range of CT5 plastic cased sets

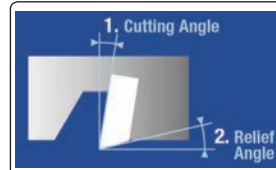
EDP No./ Size	EDP No./ Size	EDP No./ Size	EDP No./ Size
CT5-9/16	CT5-1-3/8	CT5-2-1/4	CT5-3-1/4
CT5-5/8	CT5-1-7/16	CT5-2-5/16	CT5-3-3/8
CT5-11/16	CT5-1-1/2	CT5-2-3/8	CT5-3-1/2
CT5-3/4	CT5-1-9/16	CT5-2-7/16	CT5-3-5/8
CT5-13/16	CT5-1-5/8	CT5-2-1/2	CT5-3-3/4
CT5-7/8	CT5-1-11/16	CT5-2-9/16	CT5-3-7/8
CT5-15/16	CT5-1-3/4	CT5-2-5/8	CT5-4
CT5-1	CT5-1-13/16	CT5-2-11/16	CT5-4-1/8
CT5-1-1/16	CT5-1-7/8	CT5-2-3/4	CT5-4-1/4
CT5-1-1/8	CT5-1-15/16	CT5-2-13/16	CT5-4-3/8
CT5-1-3/16	CT5-2	CT5-2-7/8	CT5-4-1/2
CT5-1-7/32	CT5-2-1/16	CT5-2-15/16	CT5-4-3/4
CT5-1-1/4	CT5-2-1/8	CT5-3	CT5-5
CT5-1-5/16	CT5-2-3/16	CT5-3-1/8	

### SPEED RECOMMENDATIONS

Diameter	Steel	Stainless Steel
9/16 to 13/16	700 - 1000	300 - 700
7/8 to 1-3/16	500 - 800	200 - 450
1-1/4 to 1-9/16	300 - 600	175 - 315
1-5/8 to 2	200 - 500	120 - 225
2-1/16 to 2-3/8	200 - 400	95 - 195
2-7/16 to 3	150 - 300	80 - 150
3-1/16 to 6	100 - 200	60 - 120

\* Sizes 9/16 thru 2-9/16 have 3/8" (10mm) shanks \* Sizes 2-5/8 thru 5 have 1/2" (13mm) shanks

EDP No./ Size	Description
CT5-PILOT	Pilot Drill (1-7/8" OAL)
CT5CO-PILOT	Cobalt Pilot Drill for stainless steel
CT5-SCREW	Screw for CT5 Hole Cutter
CT5-SPRING	Spring for CT5 Hole Cutter
CT5-PILOT-TCT	CarbideTipped Pilot Drill for abrasive materials



### Smooth Cutting Geometry

Champion hole cutters are made with ultra-hard tungsten carbide teeth for cutting stainless and tough alloys. Relief angle permits discharge of metal chips for smooth cutting.

See Page 141 of the Sets section for the full range of CT5 plastic cased sets

CHAMPION  
CUTTING TOOL CORP.

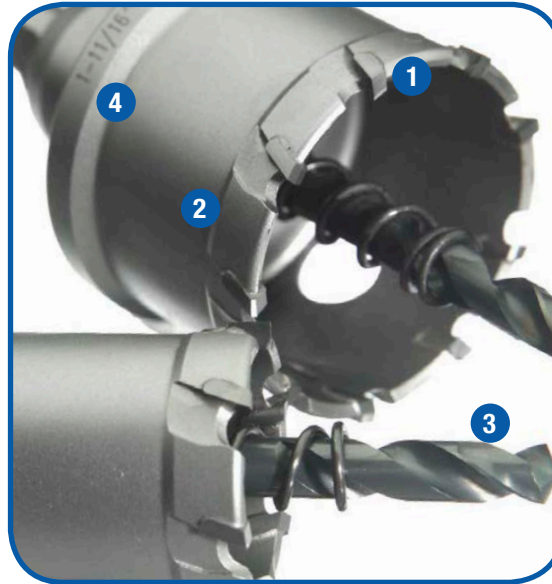


# Carbide Tipped Hole Cutters

## List No. CT7

Description: Carbide tipped hole cutter features special ultra hard tungsten carbide triple edge cutting system, pilot drill and ejector spring.

Application: For cutting steel plate, stainless steel, iron, aluminium, copper, cast iron, FRP and plastics up to 1" thick.  
The perfect, portable tool for the professional electrician, plumber, mechanic and general contractor.



- 1 Special tungsten carbide teeth**
- Excellent wear and heat resistance
  - Cuts stainless steel and tough alloys

- 2 One piece construction**
- No assembly required
  - Stable accurate drilling

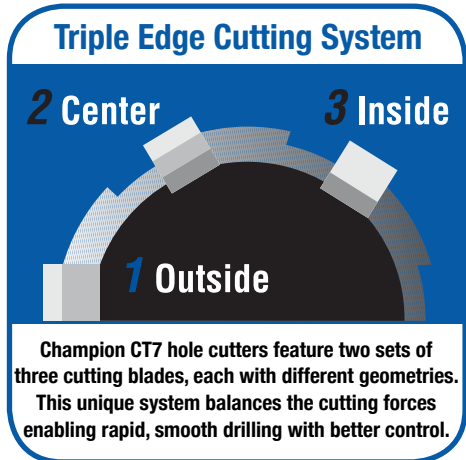
- 3 Ejector Spring**
- Ejects the slug saving time

- 4 Safety collar stop**
- Prevents over penetration for safer, faster operation.

- Cut longer and faster than holesaws and twist drills, increasing productivity on the job
- Perfect portable tool for the professional electrician, plumber, mechanic and contractor
- Better than bi-metal holesaws
- For cutting steel plate, iron, aluminum, copper, cast iron, stainless steel, FRP (i.e fiberglass) and plastics up to 1" thick
- 9/16" to 3" have 3/8" shank, 3-1/4" to 4-1/2" have 1/2" shank
- See page 141 of the sets section for the full range of CT7 plastic cased sets

- Applications**
- Junction / Switch Boxes
  - Metal Studs
  - Appliances
  - Auto Body Repair
  - Truck / Trailer Frames
  - Ductile Pipe

EDP No./ Size	EDP No./ Size	EDP No./ Size	Description
CT7-9/16	CT7-1-13/16	CT7-PILOT	Pilot Drill (2-7/8" OAL)
CT7-5/8	CT7-1-7/8	CT7CO-PILOT	Cobalt Pilot Drill for stainless steel
CT7-11/16	CT7-1-15/16	CT7-SCREW	Screw for CT7 Hole Cutter
CT7-3/4	CT7-2	CT7-SPRING	Spring for CT7 Hole Cutter
CT7-13/16	CT7-2-1/8	CT7-PILOT-TCT	Carbide Tipped Pilot Drill for abrasive materials
CT7-7/8	CT7-2-1/4		
CT7-15/16	CT7-2-3/8		
CT7-1	CT7-2-1/2		
CT7-1-1/16	CT7-2-9/16		
CT7-1-1/8	CT7-2-5/8		
CT7-1-3/16	CT7-2-3/4		
CT7-1-1/4	CT7-2-7/8		
CT7-1-5/16	CT7-3		
CT7-1-3/8	CT7-3-1/4		
CT7-1-7/16	CT7-3-1/2		
CT7-1-1/2	CT7-3-5/8		
CT7-1-9/16	CT7-4		
CT7-1-5/8	CT7-4-1/8		
CT7-1-11/16	CT7-4-1/4		
CT7-1-3/4	CT7-4-1/2		



**SPEED RECOMMENDATIONS**

Diameter	Steel	Stainless Steel
9/16 to 13/16	700 - 1000	300 - 700
7/8 to 1-3/16	500 - 800	200 - 450
1-1/4 to 1-9/16	300 - 600	175 - 315
1-5/8 to 2	200 - 500	120 - 225
2-1/16 to 2-3/8	200 - 400	95 - 195
2-7/16 to 3	150 - 300	80 - 150
3-1/16 to 6	100 - 200	60 - 120

See Page 141 of the Sets section for the full range of CT7 plastic cased sets

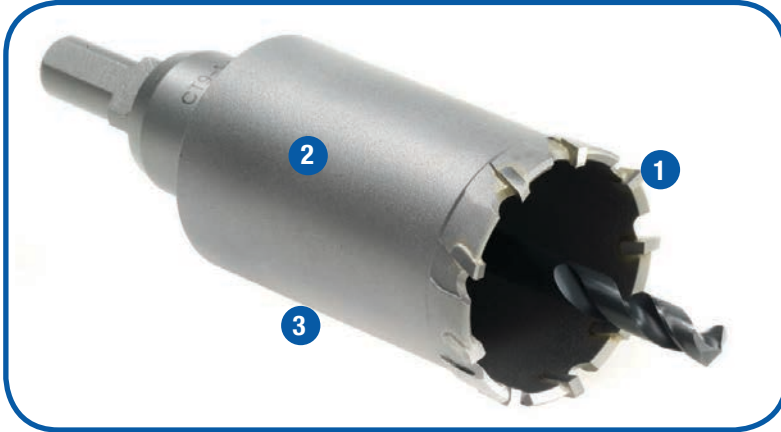
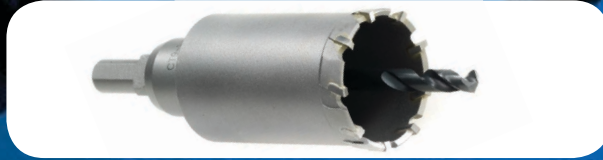


# Carbide Tipped Hole Cutters

List No. CT9

Description: 2" depth of cut hole cutter features special ultra hard tungsten carbide triple edge cutting system, pilot drill and ejector spring.

Application: Recommended for drilling steel door lockset holes where extra cutting depth is required.



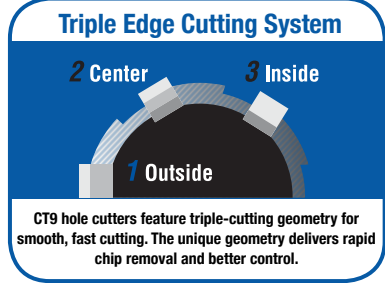
- 1 Special tungsten carbide teeth**
- Excellent wear and heat resistance
  - Cuts stainless steel and tough alloys

- 2 One piece construction**
- No assembly required
  - Stable accurate drilling

- 3 Extra length tool body**
- For extra length of cutting

THE CHOICE FOR DRILLING LOCKSET AND DEADBOLT HOLES IN STEEL DOORS

- 2" depth for drilling thick materials
- 3/8" shanks
- 2-1/8" designed for door knob, 1-1/2" designed for dead bolt
- See page 141 of the sets section for the full range of CT9 plastic cased sets



EDP No./ Size	Shank Diameter	EDP No. / Size	Description
CT9-1-1/2	3/8	CT9-PILOT	Pilot Drill (4" OAL)
CT9-2-1/8	3/8	CT9-SCREW	Screw for CT9 Hole Cutter



# Carbide Tipped Hole Cutter Accessories

## CT-EXT Hole Cutter Extensions

List No. CT-EXT

- Extend CT5 and CT7 hole cutters by 4"
- Precision machined tool steel
- Will extend the reach of all 3/8" and 1/2" shank tools



EDP No./ Size	Description
CT-EXT-3/8	5" x 3/8" shank extension for 3/8" shank CT5/CT7 cutters
CT-EXT-1/2	5" x 1/2" shank extension for 1/2" shank CT5/CT7 cutters

## QCD Quick-Change Driver

List No. QCD

- Dual 1/4" and 3/8" drill and drive chuck
- 3/8" tools lock into position 1 / 1/4" tools lock into position 2
- Industrial quality with minimal runout (wobble)
- Fits all accessory types, all brands
- Fits old and new hex shanks with or without power groove



EDP No./ Size	Description
QCD	Quick Change Driver for 1/4" and 3/8" hex shank tools

## QCD-EXT Quick-Change Driver Extensions

List No. QCD-EXT

- Industrial quality quick change extensions for 1/4" shank tools
- Designed for one-handed quick release
- Carbon steel manufacture for extended tool life
- Fits old and new 1/4" hex shanks with or without power groove



EDP No./ Size	Description
QCD-EXT-6*	6" Extension drive for 1/4" hex shank tools
QCD-EXT-12*	12" Extension drive for 1/4" hex shank tools
QCD-EXT-24*	24" Extension drive for 1/4" hex shank tools

\* Will only accommodate 1/4" hex shanks





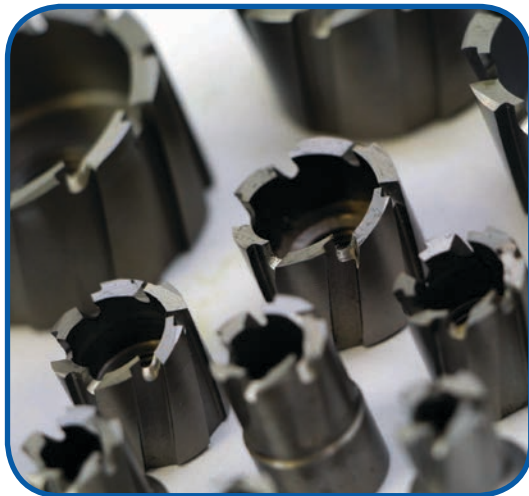
# Sheet Metal Cutters

List No. SMC

High Speed Steel / Surface Treated

Description: High speed steel cutters for fast cutting in sheet metal

Application: Drill perfect, bur free holes in sheet metal, plate materials and plastics in two depth of cut options (1/4" and 1/2"). Ideal for electrical / conduit, automotive frame and bodywork, PDR (paintless dent repair) and HVAC industries.



## SMC CUTTERS

- Fast cutting sheet metal cutters.
- Bur free holes in sheet metal, plate materials and plastics up to 1/2" thick.
- Surface treated high speed steel.
- 2 depth of cut options - 1/4" and 1/2".
- Full range of pilots and arbors available.

1/4" Depth of Cut - 3/8-24 Thread - Use With Arbor SMC-ARBOR-1	1/2" Depth of Cut - 1/2-20 Thread - Use With Arbor SMC-ARBOR-2
EDP No. / Size	EDP No. / Size
SMC-1/4	SMC-13/16
SMC-5/16	SMC-7/8
SMC-3/8	SMC-15/16
SMC-7/16	SMC-1
SMC-1/2	SMC-1-1/16
SMC-9/16	SMC-1-1/8
SMC-5/8	SMC-1-3/16
SMC-3/4	SMC-1-1/4
	SMC-1-3/8
	SMC-1-1/2

## Sheet Metal Cutters - X-PAC

List No. SMC-XPAC

Description: Fully Assembled SMC-Cutter, SMC-ARBOR-1, SMC-PILOT-1 and SMC-WASHER-1

EDP No. / Size
SMC-XPAC-1/4
SMC-XPAC-5/16
SMC-XPAC-3/8

## ARBORS



EDP No./ Size	Description
SMC-ARBOR-1	Arbor for sizes 1/4" thru 3/4"
SMC-ARBOR-2	Arbor for sizes 13/16" thru 1-1/2"

## PILOTS



EDP No./ Size	Description
SMC-PILOT-1	Pilot for sizes 1/4" thru 3/4"
SMC-PILOT-2	Pilot for sizes 13/16" thru 1-1/2"

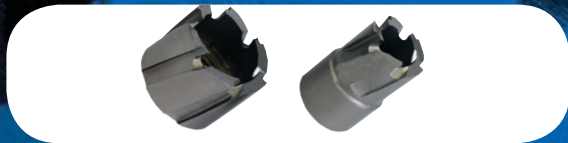
SMC Cutter Speeds			
Size	STEEL	STAINLESS STEEL	ALUMINUM
1/4 to 1/2	500-900 RPM	350-800 RPM	1250-2500 RPM
9/16 to 13/16	300-500 RPM	250-350 RPM	750-1200 RPM
7/8 to 1-1/8	250-300 RPM	170-250 RPM	550-700 RPM
1-3/16 to 1-1/2	150-250 RPM	120-180 RPM	400-550 RPM



# Sheet Metal Cutter Sets & Accessories

Description: Produces fast, bur-free holes. Used mostly in hand held portable drills but can be used in a drill press.

Application: Sheet metal, plate materials and plastics up to 1/2" thick. Ideal for electrical/conduit, automotive frame and bodywork, PDR (paintless dent repair) and HVAC.



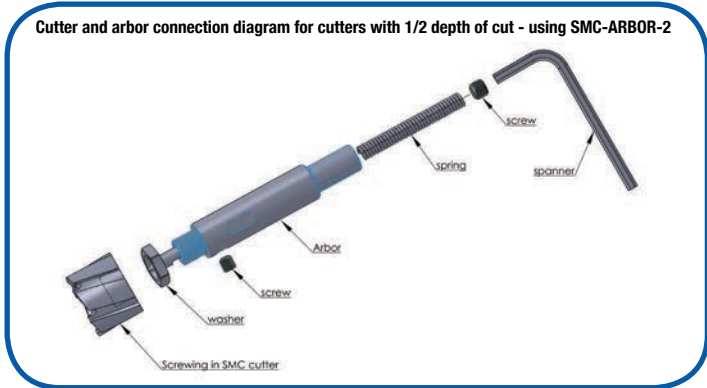
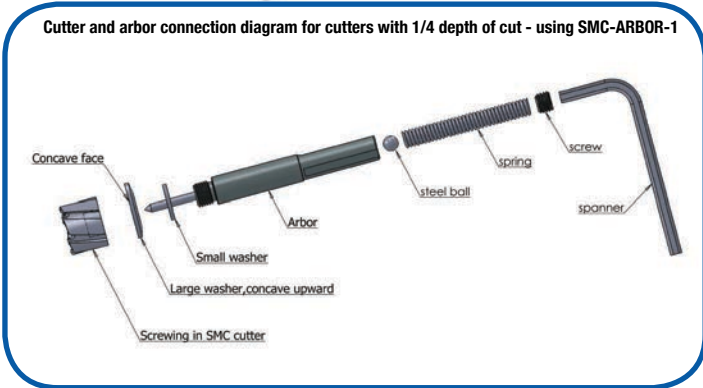
EDP No./ Size	Contents
SMC-SET-1	13 Piece set contains SMC Sizes 1/4, 5/16, 3/8, 1/2, 9/16, 5/8 & 3/4, Arbor, Pilot, Hex Key, Small & Large Washer and Center Punch
SMC-SET-2	12 Piece set contains SMC sizes 7/8, 1, 1-1/8, 1-1/4, 1-3/8 & 1-1/2, Arbor, Pilot, 1 Hex Washer, 1 Center Punch and 2 Hex Keys



SMC-SET-1



SMC-SET-2



## ACCESSORIES

EDP No./ Size	Description
SMC-HEX-3.0M	Hex Key for use with SMC-ARBOR-2
SMC-HEX-4.0M	Hex Key for use with SMC-ARBOR-1 and 2
SMC-PUNCH	Punch for use with SMC-ARBOR-1 and 2
SMC-WASHER-1	Washer for use with SMC-ARBOR-1
SMC-WASHER-2	Washer for use with SMC-ARBOR-1
SMC-WASHER-HEX	Washer for use with SMC-ARBOR-2

EDP No./ Size	Description
SMC-SPRING	Spring for use with SMC-ARBOR-1 and 2
SMC-M6-SCREW	Screw for use with SMC-ARBOR-2 and SMC-HEX-3.0M
SMC-M8-SCREW	Screw for use with SMC-ARBOR-1 and 2 and SMC-HEX-4.0M
SMC-BALL	Ball for use with SMC-ARBOR-1