starcraft®

PROFESSIONAL TOOLS



HOLE SAWS

1017 / BI-METAL HOLE SAWS



APPLICATIONS:

- Bi-metal construction.
- Special high speed steel cutting teeth.
- 4/6 T.P.I. variable tooth pitch achieves easy but fast cutting with less efforts; less noise and increased life span.

FEATURES:

- Tip teeth hardened for cutting any usual materials with a high wear resistance.
- Hole saw and arbor in two parts, so hole saws of different diameters can be exchanged and fitted more rapidly.
- For cutting steel, cast iron, aluminum, wood & plastic.

3 cutting depths available:
- 1-1/2"|38mm, 1-3/4"|44mm, 1-7/8"|48mm

METRIC SIZES

ITEM NO.	DIAMETER	ITEM NO.	DIAMETER
10170301E	14 mm	10170331E	64 mm
10170302E	16 mm	10170332E	65 mm
10170303E	17 mm	10170333E	67 mm
10170304E	19 mm	10170334E	68 mm
10170305E	20 mm	10170335E	70 mm
10170306E	21 mm	10170336E	73 mm
10170307E	22 mm	10170337E	76 mm
10170308E	24 mm	10170338E	79 mm
10170309E	25 mm	10170339E	83 mm
10170310E	27 mm	10170340E	86 mm
10170311E	29 mm	10170341E	89 mm
10170312E	30 mm	10170342E	92 mm
10170313E	32 mm	10170343E	95 mm
10170314E	33 mm	10170344E	98 mm
10170315E	35 mm	10170345E	102 mm
10170316E	37 mm	10170346E	105 mm
10170317E	38 mm	10170347E	108 mm
10170318E	40 mm	10170348E	111 mm
10170319E	41 mm	10170349E	114 mm
10170320E	43 mm	10170350E	121 mm
10170321E	44 mm	10170351E	127 mm
10170322E	46 mm	10170352E	133 mm
10170323E	48 mm	10170353E	140 mm
10170324E	51 mm	10170354E	146 mm
10170325E	52 mm	10170355E	152 mm
10170326E	54 mm	10170356E	160 mm
10170327E	56 mm	10170357E	168 mm
10170328E	57 mm	10170358E	178 mm
10170329E	59 mm	10170359E	200 mm
10170330E	60 mm		

INCH SIZES

ITEM NO.	DIAMETER	ITEM NO.	DIAMETER
10179301E	9/16"	10179331E	2-1/2"
10179302E	5/8"	10179332E	2-9/16"
10179303E	11/16"	10179333E	2-5/8"
10179304E	3/4"	10179334E	2-11/16"
10179305E	25/32"	10179335E	2-3/4"
10179306E	13/16"	10179336E	2-7/8"
10179307E	7/8"	10179337E	3"
10179308E	15/16"	10179338E	3-1/8"
10179309E	1"	10179339E	3-1/4"
10179310E	1-1/16"	10179340E	3-3/8"
10179311E	1-1/8"	10179341E	3-1/2"
10179312E	1-3/16"	10179342E	3-5/8"
10179313E	1-1/4"	10179343E	3-3/4"
10179314E	1-5/16"	10179344E	3-7/8"
10179315E	1-3/8"	10179345E	4"
10179316E	1-7/16"	10179346E	4-1/8"
10179317E	1-1/2"	10179347E	4-1/4"
10179318E	1-9/16"	10179348E	4-3/8"
10179319E	1-5/8"	10179349E	4-1/2"
10179320E	1-11/16"	10179350E	4-3/4"
10179321E	1-3/4"	10179351E	5"
10179322E	1-13/16"	10179352E	5-1/4"
10179323E	1-7/8"	10179353E	5-1/2"
10179324E	2"	10179354E	5-3/4"
10179325E	2-1/16"	10179355E	6"
10179326E	2-1/8"	10179356E	6-5/16"
10179327E	2-3/16"	10179357E	6-5/8"
10179328E	2-1/4"	10179358E	7"
10179329E	2-5/16"	10179359E	7-7/8"
10179330E	2-3/8"		



INDIVIDUAL PACKAGE DISPLAY
PACKED IN COLOR PAPER BOX



INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL



VARIOUS SETS WITH PACKAGE DISPLAYED ON PAGE 4 & 5.

1018 BI-METAL HOLE SAWS ARBOR & ACCESSORIES



10180303



10180304



10180309



10180313



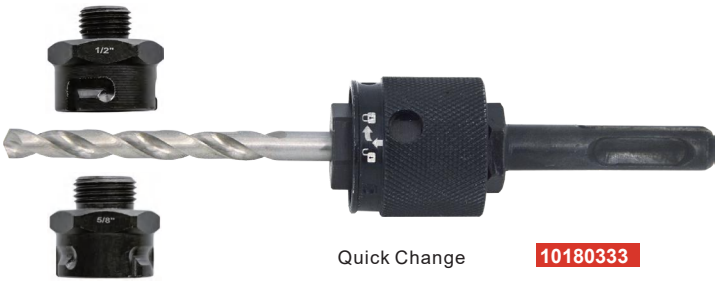
10180314



10180315



10180332



Quick Change

10180333



10180331



Quick Change
Deep Drilling up to 150mm

10180334

ARBORS WITH 6MM/1/4" HSS PILOT DRILLS

ITEM NO.	FOR HOLE SAWS DIAMETER		THREAD SIZE	SHANK
10180303E	14 to 30 mm	9/16" to 1-3/16"	1/2-20 UNF	3/8" hex
10180304E	14 to 30 mm	9/16" to 1-3/16"	1/2-20 UNF	7/16" hex
10180309E	32 to 203 mm	1-1/4" to 8"	5/8-18 UNF	3/8" hex
10180313E	14 to 30 mm	9/16" to 1-3/16"	1/2-20 UNF	SDS-plus
10180314E	32 to 203 mm	1-1/4" to 8"	5/8-18 UNF	SDS-plus
10180315E	32 to 203 mm	1-1/4" to 8"	5/8-18 UNF	7/16" hex
10180331E	14 to 30 mm	9/16" to 1-3/16"	1/2-20 UNF	9.5mm|3/8" hex
10180332E	32 to 203 mm	1-1/4" to 8"	5/8-18 UNF	9.5mm|3/8" hex
10180333E	14 to 30 mm	9/16" to 8"	1/2-20 UNF, 5/8-18 UNF	SDS-plus or 3/8" hex
10180334E	32 to 203 mm	1-1/4" to 8"	5/8-18 UNF	9.5mm|3/8" hex

1018 BI-METAL HOLE SAWS ARBOR & ACCESSORIES

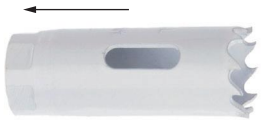
QUICK RELEASE ARBOR

Assembly Guide



Mandrel in9mmhexshank

HSS pilot bit in dia.6mm



Bi-metal Hole Saw in dia.14-30mm

Insert the shank of hss pilot bit into the manrel and lockit bytightening the set screw;
Insert the pilot bit through the back of the hole saw;
Screw the hole saw onto the mandre 's threads unti tight



Mandrel in9mmhexshank

HSS pilot bit in dia.6mm



Bi-metal Hole Saw in dia.32-200mm



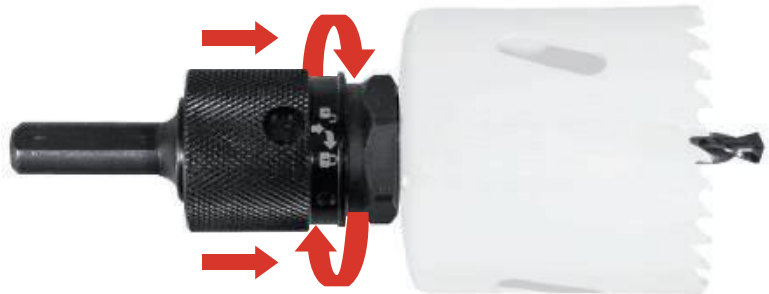
Push Button Adaptor
Makes it Easy to Change Holesaws

Insert the shank of hss pilot bit into the manrel and lock it by tightening the set screw;
Insert the pilot bit through the back ofthe hole saw;
Screw the hole saw onto the mandrel's threads without being bottomed out on threads.
Pull back the silver collar and screw the hole saw onto the bottom of mandrel's thread, then release the collar to align the pins with holes on the back of the hole saw to secure the hole saw in place.

QUICK CHANGE ARBOR

Unique quick change system for rapid hole saw change
Easy locking system for secure drilling
Replaceable pilot drill for long arbor life
Fits all brands of hole saws

TO LOCK



TO UNLOCK



INDIVIDUAL PACKAGE DISPLAY
PACKED IN COLOR PAPER BOX



INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL

1017 / BI-METAL HOLE SAWS SETS



Item No.101745

9PCS ELECTRICIANS' KIT
in plastic case
(6) Bi-metal hole saws:22,29,35,44,51,64mm (7/8",1-1/8",1-3/8",1-3/4",2",2-1/2");
(1)3/8" hex shank arbor with pilot bit;
(1)7/16" hex shank arbor with pilot bit;
(1)arbor adapter.



Item No.101746

9PCS ELECTRICIANS' KIT
in plastic case
(6) Bi-metal hole saws:22,29,35,44,51,64mm (7/8",1-1/8",1-3/8",1-3/4",2",2-1/2");
(1)3/8" hex shank arbor with pilot bit;
(1)7/16" hex shank arbor with zinc-plated knurled locking collar and pilot bit;
(1)arbor adapter.



Item No.101747

9PCS PLUMBERS' KIT
in plastic case
(6) Bi-metal hole saws:16,20,25,32,40,51mm (5/8",25/32",1",1-1/4",1-9/16",2");
(1)3/8" hex shank arbor with pilot bit;
(1)7/16" hex shank arbor with pilot bit;
(1) Ejector spring;



Item No.101748

9PCS PLUMBERS' KIT
in plastic case
(6) Bi-metal hole saws:19,22,29,38,44,57mm (3/4",7/8",1-1/8",1-1/2",1-3/4",2-1/4");
(1)3/8" hex shank arbor with pilot bit;
(1)7/16" hex shank arbor with zinc-plated knurled locking collar and pilot bit;
(1)arbor adapter.



Item No.110601

14PCS QUICK CHANGE BI-METAL HOLE SAW KIT in plastic case
(6)Bi-metal hole saw with adapte nut: 22,29,35,44,51,64mm(7/8",1-1/8",1-3/8", 1-3/4",2",2-1/2")
(1) 7/16" hex shank quick change arbor with pilot bit;
(1) replacement pilot drill;
(2) adapter nut with 1/2"-20UNF thread;
(4) adapter nut with 5/8"-18UNF thread.



Item No.101749

14PCS BI-METAL HOLE SAW KIT
in blow mould case
(10) Bi-metal hole saws:19,22,29,35,38,44, 51,54,57,64mm(3/4",7/8",1-1/8",1-3/8", 1-1/2",1-3/4 ", 2", 2-1/8", 2-1/4", 2-1/2 ");
(1) small arbor with pilot drill;
(1) largearbor with pilot drill;
(1) replacement pilot drill;
(1) arbor adapter.



Item No.101744

9PCS PLUMBERS' KIT
in color paper box
(6) Bi-metal hole saws:19,22,29,38,44,57mm (3/4",7/8",1-1/8",1-1/2",1-3/4",2-1/4");
(1)3/8" hex shank arbor with pilot bit;
(1)7/16" hex shank arbor with pilot bit;
(1)arbor adapter.



Item No.101750

16pcs Bi-metal hole saws set
in Aluminum case
(13) hole saws-Ø19,20,22,25, 29,32,35,38,44, 51,57,64,76mm
(1)arbor extension-300mm
(1)7/16" hex shank arbor with HSS pilot bit for Ø32-203mm
(1)1/4" round shank arbor with HSS pilot bit for Ø14-32mm

1017 BI-METAL HOLE SAWS SETS



Item No.101751

16pcs Bi-metal hole saws set in Plastic case

(13) hole saws-Ø19,20,22,25,29,35,38,40, 48,60,65,68,86mm
(1)arbor extension-300mm
(1)7/16" hex shank arbor with HSS pilot bit for Ø32-203mm
(1)3/8"hex shank arbor with HSS pilot bit for Ø14-32mm



Item No.101752

12pcs Bi-metal hole saws set in Plastic case

(10) hole saws-Ø19,22,25,29,35,38,44, 51,57,68mm
(1)7/16" hex shank arbor with HSS pilot bit for Ø32-203mm
(1)3/8"hex shank arbor with HSS pilot bit for Ø14-32mm



Item No.101753

16pcs Bi-metal hole saws set in Aluminum case

(13) hole saws-Ø19,20,22,25,29,35,38,40, 48,60,65,68,86mm
(1)arbor extension-300mm
(1)7/16" hex shank arbor with HSS pilot bit for Ø32-203mm
(1)3/8"hex shank arbor with HSS pilot bit for Ø14-32mm



Item No.101754

9PCS BI-METAL HOLE SAW SET in plastic case

(6) Hole saw:19,22,29,38,44,57mm (3/4",7/8",1-1/8",1-1/2",1-3/4", 2-1/4");
(1) 3/8" hex shank arbor with HSS pilot bit for 14-30mm hole saw;
(1) 7/16" hex shank arbor with HSS pilot bit for 32-200mm hole saw.
(1) Ejector spring;



Item No.101755

9PCS BI-METAL HOLE SAW SET in plastic case

(6) Hole saw:20,25,32,40,51,65mm (25/32",1",1-1/4",1-9/16",2", 2-9/16");
(1) 3/8" hex shank arbor with HSS pilot bit for 14-30mm hole saw;
(1) 7/16" hex shank arbor with HSS pilot bit for 32-200mm hole saw.
(1) Ejector spring;

1101 BI-METAL STEEL SHEET HOLE SAWS





INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL

APPLICATIONS:

• Designed for Mild Steel, Stainless Steel, Aluminium sheets up to 2mm.

FEATURES:

• HSS Cutting edge with 8% cobalt for extra durability.
• Shallow cup optimised for drilling thin metal.
• Slim kerf provides reduced resistance for rapid drilling.
• Internal ejection spring automatically ejects the metal disc for hassle-free drilling.
• Stop shoulder prevents over drilling.
• 1/4" hex impact driver shank for use in impact drivers.

METRIC SIZES

ITEM NO.	DIAMETER
11010301C	14 mm
11010302C	16 mm
11010303C	18 mm
11010304C	19 mm
11010305C	20 mm
11010306C	22 mm
11010307C	25 mm
11010308C	30 mm
11010309C	32 mm
11010310C	35 mm
11010311C	38 mm

INCH SIZES

ITEM NO.	DIAMETER
11019301C	9/16"
11019302C	5/8"
11019303C	11/16"
11019304C	3/4"
11019305C	25/32"
11019306C	7/8"
11019307C	1"
11019308C	1-3/16"
11019309C	1/4"
11019310C	1-3/8"
11019311C	1-1/2"



Item No.110101

3PCS STEEL SHEET HOLE SAWS packed in trapped blister card
Contains:
59,66,74,81,93mm with 34mm cutting length

CARBIDE TIPPED HOLE SAW

3tpi Carbide teeth design

Gives best durability and life in extreme multi-material applications.



Carbide teeth

Outperforms bi-metal hole saw. For the toughest applications where bi-metal holes can not cut.

41mm(1-5/8") Cutting depth

for cutting up to 1-5/8in thick materials.

Slant Slots

enhance user productivity by providing best access and leverage to remove material slugs.

APPLICATIONS:

For cutting stainless steel, fastener embedded wood, cement board, fiberglass, plaster, asphalt shingles and more.



1102 T.C.T HOLE SAWS



APPLICATIONS:

- Cuts stainless steel sheet, ceramic tile, fastener embedded wood, cement board, fiberglass, plaster and more.

FEATURES:

- Carbide teeth for 50x life in extreme materials.
- Outperforms bi-metal hole saws.For the toughest applications where bi-metal hole saws cannot cut.
- 3tpi carbide teeth design gives best durability and longest life in extreme applications.
- Long slots enhance user productivity by providing best access and leverage to remove.

METRIC SIZES

ITEM NO.	DIAMETER
11020301E	14 mm
11020302E	16 mm
11020303E	19 mm
11020304E	22 mm
11020305E	25 mm
11020306E	29 mm
11020307E	32 mm
11020308E	35 mm
11020309E	38 mm
11020310E	44 mm
11020311E	51 mm
11020312E	54 mm
11020313E	60 mm
11020314E	64 mm
11020315E	67 mm
11020316E	70 mm
11020317E	76 mm
11020318E	79 mm
11020319E	83 mm
11020320E	89 mm
11020321E	92 mm
11020322E	102 mm
11020323E	105 mm
11020324E	108 mm
11020325E	114 mm
11020326E	127 mm
11020327E	152 mm

INCH SIZES

ITEM NO.	DIAMETER
11029301E	9/16"
11029302E	5/8"
11029303E	3/4"
11029304E	7/8"
11029305E	1"
11029306E	1-1/8"
11029307E	1-1/4"
11029308E	1-3/8"
11029309E	1-1/2"
11029310E	1-3/4"
11029311E	2"
11029312E	2-1/8"
11029313E	2-3/8"
11029314E	2-1/2"
11029315E	2-5/8"
11029316E	2-3/4"
11029317E	3"
11029318E	3-1/8"
11029319E	3-1/4"
11029320E	3-1/2"
11029321E	3-5/8"
11029322E	4"
11029323E	4-1/8"
11029324E	4-1/4"
11029325E	4-1/2"
11029326E	5"
11029327E	6"



Item No.110201

15PCS QUICK CHANGE CARBIDE TIPPED HOLE SAWS SET in plastic case

(9) Carbide tipped hole saws with quick change adapter 19,22,29,35,38,44,51,54,64mm; (3/4",7/8",1-1/8,1-3/8,1-1/2",1-3/4",2", 2-1/8",2-1/2");
(2) 1/4" HSS PILOT DRILL BITS;
(2) 3mm hex key;
(1) 10mm 3-flat shank quick change hole saw arbor;
(1) Spacer and arbor adapter.

*** Compatible with 1018 Bi-metal hole saw arbors.**



INDIVIDUAL PACKAGE DISPLAY
PACKED IN COLOR PAPER BOX



INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL





INDIVIDUAL PACKAGE DISPLAY
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DEEP CUT T.C.T MULTI-PURPOSE HOLE SAWS

also available upon request

1048 T.C.T FAST CUT HOLE SAWS





INDIVIDUAL PACKAGE DISPLAY
PACKED IN COLOR PAPER BOX

APPLICATIONS:

- Multiple uses - cutting wood, MDF, plastics, ceramic wall tiles and building bricks.
- Suitable for use in mains and battery powered tools.
- Cutting depth up to 60mm(2-3/8").

FEATURES:

- Carbide tipped teeth for outstanding cutting perfor mance and product durability.
- Smooth cut, with minimal heat build up.
- Supported by a comprehensive range of arbors (order separately).

METRIC SIZES

ITEM NO.	DIAMETER	ITEM NO.	DIAMETER
10480201E	16 mm	10480221E	63 mm
10480202E	19 mm	10480222E	65 mm
10480203E	20 mm	10480223E	67 mm
10480204E	22 mm	10480224E	68 mm
10480205E	25 mm	10480225E	71 mm
10480206E	27 mm	10480226E	73 mm
10480207E	29 mm	10480227E	74 mm
10480208E	30 mm	10480228E	76 mm
10480209E	32 mm	10480229E	80 mm
10480210E	35 mm	10480230E	92 mm
10480211E	36 mm	10480231E	102 mm
10480212E	38 mm	10480232E	105 mm
10480213E	40 mm	10480233E	111 mm
10480214E	44 mm	10480234E	125 mm
10480215E	45 mm	10480235E	127 mm
10480216E	50 mm	10480236E	133 mm
10480217E	51 mm	10480237E	140 mm
10480218E	54 mm	10480238E	146 mm
10480219E	57 mm	10480239E	152 mm
10480220E	60 mm		

INCH SIZES

ITEM NO.	DIAMETER	ITEM NO.	DIAMETER
10489201E	5/8"	10489221E	2-31/64"
10489202E	3/4"	10489222E	2-9/16"
10489203E	25/32"	10489223E	2-5/8"
10489204E	7/8"	10489224E	2-11/16"
10489205E	1"	10489225E	2-3/4"
10489206E	1-1/16"	10489226E	2-7/8"
10489207E	1-1/8"	10489227E	2-29/32"
10489208E	1-3/16"	10489228E	3"
10489209E	1-1/4"	10489229E	3-5/32"
10489210E	1-3/8"	10489230E	3-5/8"
10489211E	1-7/16"	10489231E	4"
10489212E	1-1/2"	10489232E	4-1/8"
10489213E	1-9/16"	10489233E	4-3/8"
10489214E	1-3/4"	10489234E	4-15/16"
10489215E	1-5/32"	10489235E	5"
10489216E	1-31/32"	10489236E	5-1/4"
10489217E	2"	10489237E	5-1/2"
10489218E	2-1/8"	10489238E	5-3/4"
10489219E	2-1/4"	10489239E	6"
10489220E	2-3/8"		

*** Compatible with 3031 hole saw arbors.**



HSS BITS

10180304



TCT BITS

30310301



HSS BITS

10180315



TCT BITS

30310306

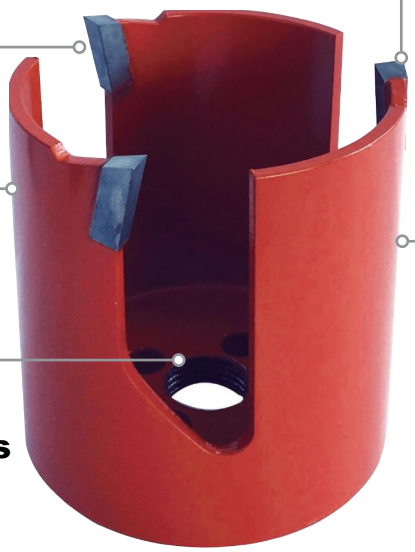
1104 T.C.T HOLE SAWS

Aggressive 3-tooth geometry

Unique cutting angle permits up to 5X faster cutting than bi-metal hole saws.

Large Carbide teeth

Offer maximum durability against unintended nail impacts.



59mm(2-3/8") Cutting depth

For cutting up to 2-3/8in thick materials.

One piece construction body (integrated thicker backer)

Extends extreme life performance, in demanding applications and adds extra durability.

Wide and deep gullets

Enable easy plug removal.



APPLICATIONS:

- Cuts through wood with nails, screws, plaster, shingles, cement board and more.
- Suitable for use in mains and battery powered tools.
- Cutting depth up to 60mm(2-3/8").

FEATURES:

- Deep gullets for easy plug removal.
- Rugged construction for extra life.
- Carbide teeth for wood with nails, cement board, composite enclosures and other abrasive materials.
- Faster than self-feed bits in wood.
- Faster than carbide grit in abrasive materials.



METRIC SIZES

ITEM NO.	DIAMETER	ITEM NO.	DIAMETER
11040301E	16 mm	11040323E	70 mm
11040302E	19 mm	11040324E	73 mm
11040303E	20 mm	11040325E	76 mm
11040304E	22 mm	11040326E	79 mm
11040305E	25 mm	11040327E	83 mm
11040306E	27 mm	11040328E	86 mm
11040307E	29 mm	11040329E	89 mm
11040308E	30 mm	11040330E	92 mm
11040309E	32 mm	11040331E	95 mm
11040310E	35 mm	11040332E	98 mm
11040311E	38 mm	11040333E	102 mm
11040312E	40 mm	11040334E	105 mm
11040313E	41 mm	11040335E	108 mm
11040314E	44 mm	11040336E	109 mm
11040315E	48 mm	11040337E	111 mm
11040316E	51 mm	11040338E	114 mm
11040317E	54 mm	11040339E	118 mm
11040318E	57 mm	11040340E	121 mm
11040319E	60 mm	11040341E	127 mm
11040320E	64 mm	11040342E	140 mm
11040321E	65 mm	11040343E	152 mm
11040322E	67 mm	11040344E	159 mm

INCH SIZES

ITEM NO.	DIAMETER	ITEM NO.	DIAMETER
11049301E	5/8"	11049323E	2-3/4"
11049302E	3/4"	11049324E	2-7/8"
11049303E	25/32"	11049325E	3"
11049304E	7/8"	11049326E	3-1/8"
11049305E	1"	11049327E	3-1/4"
11049306E	1-1/16"	11049328E	3-3/8"
11049307E	1-1/8"	11049329E	3-1/2"
11049308E	1-3/16"	11049330E	3-5/8"
11049309E	1-1/4"	11049331E	3-3/4"
11049310E	1-3/8"	11049332E	3-7/8"
11049311E	1-1/2"	11049333E	4"
11049312E	1-9/16"	11049334E	4-1/8"
11049313E	1-5/8"	11049335E	4-1/4"
11049314E	1-3/4"	11049336E	4-5/16"
11049315E	1-7/8"	11049337E	4-3/8"
11049316E	2"	11049338E	4-1/2"
11049317E	2-1/8"	11049339E	4-5/8"
11049318E	2-1/4"	11049340E	4-3/4"
11049319E	2-3/8"	11049341E	5"
11049320E	2-1/2"	11049342E	5-1/2"
11049321E	2-9/16"	11049343E	6"
11049322E	2-5/8"	11049344E	6-1/4"

*** Compatible with 3031 hole saw arbors.**

2549 DIAMOND GRIT HOLE SAWS



APPLICATIONS:

- For pecise holes in porcelain tile, ceramic tile, granite, marble, cement board and fibreglass.

FEATURES:

- Tough brazed diamond grit for long life.
- Ultra-thin kerf provides low torque for faster cutting and prolonged battery life.
- Use with drills (1,500 – 2,000rpm) with arbor or angle grinders with adaptor (8,000 – 12,000rpm).
- Minimal coolant required for cutting hard tile, stone and glass. Use fully dry on other materials.



INDIVIDUAL PACKAGE DISPLAY
PACKED IN COLOR PAPER BOX



INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL

METRIC SIZES

ITEM NO.	DIAMETER	ITEM NO.	DIAMETER
25490301E	19 mm	25490322E	67 mm
25490302E	20 mm	25490323E	68 mm
25490303E	22 mm	25490324E	70 mm
25490304E	25 mm	25490325E	73 mm
25490305E	29 mm	25490326E	76 mm
25490306E	30 mm	25490327E	79 mm
25490308E	32 mm	25490328E	83 mm
25490309E	35 mm	25490329E	89 mm
25490310E	38 mm	25490330E	92 mm
25490311E	41 mm	25490331E	95 mm
25490312E	44 mm	25490332E	100 mm
25490313E	47 mm	25490333E	102 mm
25490314E	51 mm	25490334E	105 mm
25490315E	53 mm	25490335E	108 mm
25490317E	54 mm	25490336E	110 mm
25490318E	57 mm	25490337E	114 mm
25490319E	60 mm	25490338E	127 mm
25490320E	64 mm	25490339E	152 mm
25490321E	65 mm		

INCH SIZES

ITEM NO.	DIAMETER	ITEM NO.	DIAMETER
25499301E	3/4"	25499322E	2-5/8"
25499302E	25/32"	25499323E	2-11/16"
25499303E	7/8"	25499324E	2-3/4"
25499304E	1"	25499325E	2-7/8"
25499305E	1-1/8"	25499326E	3"
25499306E	1-1/4"	25499327E	3-1/8"
25499308E	1-17/64"	25499328E	3-1/4"
25499309E	1-3/8"	25499329E	3-1/2"
25499310E	1-1/2"	25499330E	3-5/8"
25499311E	1-5/8"	25499331E	3-3/4"
25499312E	1-3/4"	25499332E	3-15/16"
25499313E	1-7/8"	25499333E	4"
25499314E	2"	25499334E	4-1/8"
25499315E	2-1/8"	25499335E	4-1/4"
25499317E	2-9/64"	25499336E	4-5/16"
25499318E	2-1/4"	25499337E	4-1/2"
25499319E	2-3/8"	25499338E	5"
25499320E	2-1/2"	25499339E	6"
25499321E	2-9/16"		

*** Compatible with 3031 hole saw arbors.**

3031 ARBORS WITH T.C.T. PILOT DRILL BIT FOR CARBIDE TIPPED/GRIT HOLE SAWS



30310301



30310302



30310305



30310306



30310307

ITEM NO.	FOR HOLE SAWS DIAMETER		SHANK
30310301E	14 to 30 mm	9/16" to 1-3/16"	3/8" hex
30310302E	14 to 30 mm	9/16" to 1-3/16"	7/16" hex
30310305E	32 to 76 mm	1-5/16" to 3"	7/16" hex
30310306E	33 to 177 mm	1-5/16" to 6-31/32"	7/16" hex
30310307E	33 to 177 mm	1-5/16" to 6-31/32"	7/16" hex

3043 HAMMER CORE BITS, HEAVY DUTY





INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL

APPLICATIONS:

- To be used on hammer drills in conjunction with the corresponding arbors.
- For the professional use in drilling concrete,rock, masonry and bricks..

FEATURES:

- Tungsten carbide tipped cutting teeth and pilot drill.
- Extremely quiet running thanks to Asym metrical tooth pitch arrangement.
- Reduced friction thanks to drilling dust flute.
- Interchangeable M22 threaded arbor.
- High drilling performance thanks to corrugated base.

METRIC SIZES

TEM NO.	CUTTING DIAMETER	NUMBER OF CARBIDE TEETH	OVERALL LENGTH	SHANK THREAD
30430301C	25 mm	6	78 mm	M22
30430302C	30 mm	6	78 mm	M22
30430303C	35 mm	6	78 mm	M22
30430304C	40 mm	6	78 mm	M22
30430305C	45 mm	6	78 mm	M22
30430306C	50 mm	6	78 mm	M22
30430307C	65 mm	8	78 mm	M22
30430308C	68 mm	8	78 mm	M22
30430309C	80 mm	8	78 mm	M22
30430310C	90 mm	8	78 mm	M22
30430311C	100 mm	8	78 mm	M22
30430312C	125 mm	8	78 mm	M22

INCH SIZES

TEM NO.	CUTTING DIAMETER	NUMBER OF CARBIDE TEETH	OVERALL LENGTH	SHANK THREAD
30439301C	1"	6	3-1/16"	M22
30439302C	1-3/16"	6	3-1/16"	M22
30439303C	1-3/8"	6	3-1/16"	M22
30439304C	1-9/16"	6	3-1/16"	M22
30439305C	1-3/4"	6	3-1/16"	M22
30439306C	2"	6	3-1/16"	M22
30439307C	2-1/2"	8	3-1/16"	M22
30439308C	2-11/16"	8	3-1/16"	M22
30439309C	3"	8	3-1/16"	M22
30439310C	3-1/2"	8	3-1/16"	M22
30439311C	4"	8	3-1/16"	M22
30439312C	5"	8	3-1/16"	M22



*** Compatible with following arbors.**



30200002
SDS-MAX SHANK
M22x216mm



30200003
T.C.T. PILOT BITS
8mmx110mm



30200004
HEXAGON SHANK
M22 x100mm



30200007
SDS-MAX SHANK
M22 x100mm

4020 HSS HOLE SAWS WITH PILOT AND EJECTOR





INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL

APPLICATIONS:

- For high precision drilling in metallic sheet.

FEATURES:

- HSS cutting edges for general use in steels and cast irons.
- Sharper tooth tip for easier cutting.
- Better chip clearance.
- Longer product life; teeth stay sharp longer.
- Ejector spring for quick and continuous work, enables the rapid removal of the core in thin sheet metals.
- Exchangeable centering pilot drill.
- Exchangeable threaded arbor with three flatted shank for better grip in drill chuck.
- For use with portable drills or stationary drills.

METRIC SIZES

ITEM NO.	CUTTING DIAMETER	SHANK
40200301C	15 mm	8 mm
40200302C	16 mm	8 mm
40200303C	18 mm	8 mm
40200304C	19 mm	8 mm
40200305C	20 mm	8 mm
40200306C	22 mm	8 mm
40200307C	23 mm	8 mm
40200308C	24 mm	8 mm
40200309C	25 mm	10 mm
40200310C	26 mm	10 mm
40200311C	28 mm	10 mm
40200312C	30 mm	10 mm
40200313C	32 mm	10 mm
40200314C	34 mm	10 mm
40200315C	35 mm	10 mm
40200316C	36 mm	10 mm
40200317C	38 mm	12 mm

ITEM NO.	CUTTING DIAMETER	SHANK
40200318C	40 mm	12 mm
40200319C	42 mm	12 mm
40200320C	45 mm	12 mm
40200321C	50 mm	12 mm
40200322C	53 mm	12 mm
40200323C	54 mm	12 mm
40200324C	60 mm	12 mm
40200325C	65 mm	14 mm
40200326C	70 mm	14 mm
40200327C	75 mm	14 mm
40200328C	80 mm	14 mm
40200329C	85 mm	14 mm
40200330C	90 mm	14 mm
40200331C	95 mm	14 mm
40200332C	100 mm	14 mm
40200333C	105 mm	14 mm

INCH SIZES

ITEM NO.	CUTTING DIAMETER	SHANK
40209301C	1/2"	5/16"
40209302C	5/8"	5/16"
40209303C	3/4"	5/16"
40209304C	7/8"	5/16"
40209305C	1"	3/8"
40209306C	1-1/8"	3/8"
40209307C	1-1/4"	3/8"
40209308C	1-3/8"	3/8"
40209309C	1-1/2"	1/2"
40209310C	1-5/8"	1/2"
40209311C	1-3/4"	1/2"
40209312C	1-7/8"	1/2"
40209313C	2"	1/2"
40209314C	2-1/8"	1/2"
40209315C	2-1/4"	1/2"
40209316C	2-3/8"	1/2"
40209317C	2-1/2"	1/2"

ITEM NO.	CUTTING DIAMETER	SHANK
40209318C	2-5/8"	1/2"
40209319C	2-3/4"	1/2"
40209320C	2-7/8"	1/2"
40209321C	3"	1/2"
40209322C	3-1/8"	1/2"
40209323C	3-1/4"	1/2"
40209324C	3-3/8"	1/2"
40209325C	3-1/2"	1/2"
40209326C	3-5/8"	1/2"
40209327C	3-3/4"	1/2"
40209328C	3-7/8"	1/2"
40209329C	4"	1/2"



Item No.402001
8PCS SET
in wooden box
CONTENTS:
16,20,22,25,28,30,32,35mm



Item No.402002
8PCS SET
in wooden box
CONTENTS:
5/8",3/4",7/8",1",1-1/8",1-1/4",
1-3/8",1-1/2"

4074 HSS HOLE SAWS WITH LATERAL CHIP RELIEF





INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL

APPLICATIONS:

- For high precision drilling in mild steel,metal sheet,fiberglass plastics.

FEATURES:

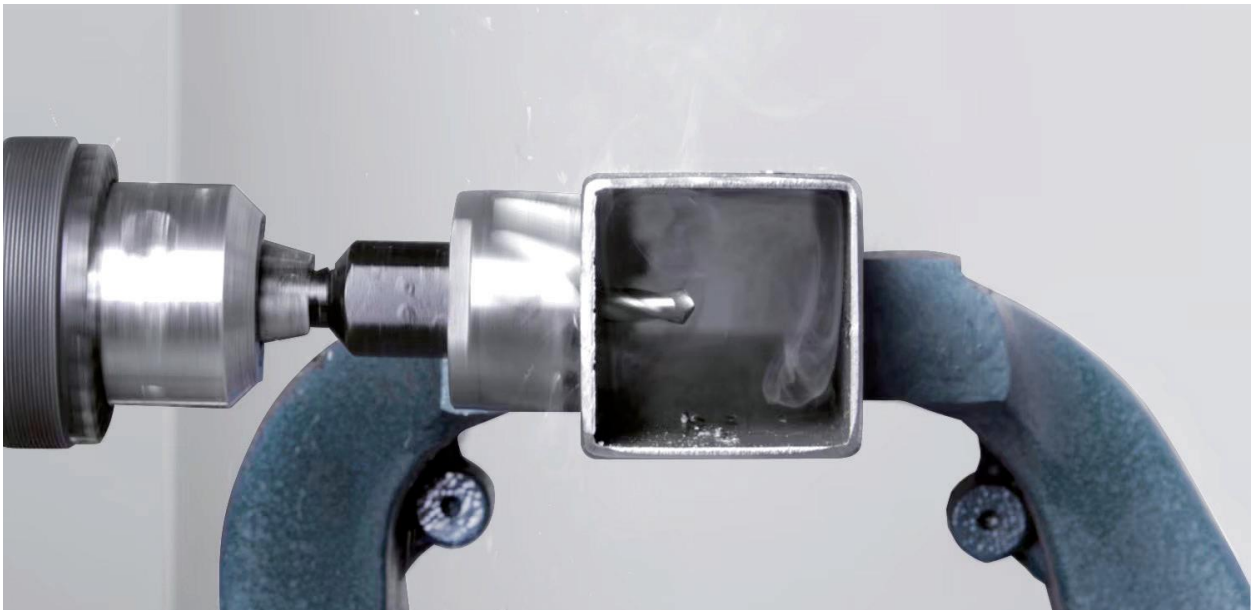
- HSS cutting edges.
- Ground sharper tooth for easier cutting.
- The lateral relief makes chip ejection easier and allows a better teeth cool.
- Longer product life,especially when lubricating oil is used.
- Exchangeable centering pilot drill.
- Exchangeable threaded arbor with three flatted shank for better grip in drill chuck.
- Ejector spring for quick and continuous work enables the rapid removal of the core in thin sheet metals.
- For all mechanical tasks and tasks relating to car bodywork, electrical work,plumbing.
- For use with portable drills or stationary drills.

METRIC SIZES

ITEM NO.	CUTTING DIAMETER	SHANK
40740301C	12 mm	8 mm
40740302C	15 mm	8 mm
40740303C	18 mm	8 mm
40740304C	20 mm	8 mm
40740305C	22 mm	8 mm
40740306C	25 mm	10 mm
40740307C	30 mm	10 mm
40740308C	35 mm	10 mm
40740309C	40 mm	12 mm
40740310C	45 mm	12 mm
40740311C	50 mm	12 mm
40740312C	60 mm	12 mm
40740313C	70 mm	14 mm
40740314C	80 mm	14 mm
40740315C	100 mm	14 mm
40740316C	120 mm	14 mm
40740317C	150 mm	14 mm

INCH SIZES

ITEM NO.	CUTTING DIAMETER	SHANK
40209301C	15/32"	5/16"
40209302C	19/32"	5/16"
40209303C	23/32"	5/16"
40209304C	25/32"	5/16"
40209305C	7/8"	5/16"
40209306C	1"	3/8"
40209307C	1-3/16"	3/8"
40209308C	1-3/8"	3/8"
40209309C	1-9/16"	1/2"
40209310C	1-25/32"	1/2"
40209311C	1-31/32"	1/2"
40209312C	2-3/8"	1/2"
40209313C	2-3/4"	9/16"
40209314C	3-5/32"	9/16"
40209315C	3-15/16"	9/16"
40209316C	4-23/32"	9/16"
40209317C	5-29/32"	9/16"



4021 CARBIDE TIPPED HOLE SAWS





INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL

APPLICATIONS:

- For perfect drilling in steel, stainless steel,non-ferrous and light metals, plastics and wood.

FEATURES:

- Carbide tipped cutting edges.
- Sturdy construction.
  Hole saw and arbor in one piece.
- Good chip removal.
- Longer product life; teeth stay sharp longer.
- Exchangeable centering pilot drill.
- Ejector spring for quick and continuous work, enables the rapid removal of the core in thin sheet metals.
- Smooth cutting provides less vibration.
- For use with portable drills and stationary drills
- Unsuitable for percussion-drill operation.

METRIC SIZES

ITEM NO.	CUTTING DIAMETER	SHANK
40210301C	15 mm	10 mm
40210302C	16 mm	10 mm
40210303C	18 mm	10 mm
40210304C	19 mm	10 mm
40210305C	20 mm	10 mm
40210306C	22 mm	10 mm
40210307C	23 mm	10 mm
40210308C	25 mm	10 mm
40210309C	26 mm	10 mm
40210310C	28 mm	10 mm

ITEM NO.	CUTTING DIAMETER	SHANK
40210311C	30 mm	10 mm
40210312C	32 mm	10 mm
40210313C	35 mm	10 mm
40210314C	36 mm	12.5 mm
40210315C	38 mm	12.5 mm
40210316C	40 mm	12.5 mm
40210317C	45 mm	12.5 mm
40210318C	50 mm	12.5 mm
40210319C	53 mm	12.5 mm
40210320C	54 mm	12.5 mm

INCH SIZES

ITEM NO.	CUTTING DIAMETER	SHANK
40219301C	1/2"	3/8"
40219302C	5/8"	3/8"
40219303C	3/4"	3/8"
40219304C	7/8"	3/8"
40219305C	1"	3/8"
40219306C	1-1/8"	3/8"
40219307C	1-1/4"	3/8"
40219308C	1-3/8"	3/8"
40219309C	1-1/2"	3/8"
40219310C	1-5/8"	1/2"

ITEM NO.	CUTTING DIAMETER	SHANK
40219311C	3/4"	1/2"
40219312C	1-7/8"	1/2"
40219313C	2"	1/2"
40219314C	2-1/8"	1/2"
40219315C	2-1/4"	1/2"
40219316C	2-3/8"	1/2"



Item No.402101
8PCS SET
in wooden box
CONTENTS:
16,20,22,25,28,30,32,35mm



Item No.402102
8PCS SET
in wooden box
CONTENTS:
5/8",3/4",7/8",1",1-1/8",1-1/4",1-3/8",1-1/2"

1026 ADJUSTABLE CIRCLE HOLE CUTTERS



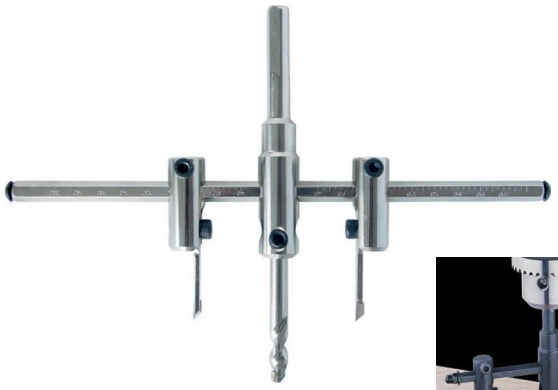
10260301C

APPLICATIONS:

- For cutting plywood, laminates, composite boards, plastic,rubber and other soft materials.
- To adjust the size locate the inner edges of the blade holders against the size graduation.
- Not suitable for steel sheet or other metals.

FEATURES:

- Alloy tool steel cutter blades and centre pilot drill bit.
- Graduated in metric and inch sizes.
- Cutting capacity:
  30 to 120mm(1-3/16" to 4-3/4");
  30 to 200mm(1-3/16" to 8");
  30 to 300mm(1-3/16" to 12").
- Maximum thickness: 30mm.



10260302C

APPLICATIONS:

- For cutting wood, plywood, acrylic, laminates, composites, luminium sheet, fiber cement board, plasterboard, hardboard, plastic, rubber, etc.
- To adjust the size locate the inner edges of the blade holders against the size graduation.
- Not suitable for steel or other metals.

FEATURES:

- Carbide tipped cutter blades and centre pilot drill bit.
- Graduated in metric and inch sizes.
- Cutting capacity: 30 to 200mm(1" to 8").



10260303C

APPLICATIONS:

- For cutting ceramic tile, laminates, composite boards, plastic and other abrasive materials.
- To adjust the size locate the inner edges of the blade holders against the size graduation.
- Not suitable for steel or other metals.

FEATURES:

- Carbide tipped cutter blades and centre pilot drill bit.
- Graduated in metric and inch sizes.
- Cutting capacity: 30 to 300mm (1" to 12")

1026/1126 ADJUSTABLE CIRCLE HOLE CUTTERS



Item No.102601

18PCS ADJUSTABLE CIRCLE HOLE CUTTERS SET in plastic case

1)Carbide tipped adjustable circle hole cutters: 40-200mm (1-9/16" - 7-7/8");
5) Brad point wood drill bits:4-5-6-8-10mm;
5) TCT masonry drill bits:4-5-6-8-10mm;
2) Replacement steel blades;
1) 4mm hex key;
1) 3 meter tape measure;
1) 8mm Replacement steel pilot drill bit;
1) Carpenter pencil;
1) 300mm protection cowl with 16.5mm bearing.



Item No.102602

18PCS ADJUSTABLE CIRCLE HOLE CUTTERS SET in plastic case

1)Carbide tipped adjustable circle hole cutters: 40-300mm (1-9/16" - 11-13/16");
5)Brad point wood drill bits:4-5-6-8-10mm;
5)TCT masonry drill bits:4-5-6-8-10mm;
2)Replacement steel blades;
1)8mm Replacement steel pilot drill bit;
1)4mm hex key;
1)Carpenter pencil;
1)3 meter tape measure;
1)360mm protection cowl with 16.5mm bearing



Item No.112601

12PCS WOODWORKING DRYWALL HOLE SAW SET in plastic case

3) Carbide tipped hole saws: 75,95,150mm (2-15/16",3-3/4", 5-15/16");
2) HSS Tin-coated twist drill bits:6mm(1/4");
1) 3/8" hex shank arbor with 5/8"-18 UNF and HSS pilot bit for 32-203mm (1-1/4"-8") hole saws;
1) SDS-plus shank arbor with 5/8"-18 UNF and HSS pilot bit for 32-203mm (1-1/4"-8") hole saws;
2) 3mm,4mm Hex Key Wrench;
1) SDS-plus shank long arbor;
1) 10mm 3-flat shank long arbor;
1) Protection cowl with 16.5mm bearing.
1) Protection cowl with 16.5mm bearing.

1019 MULTI-BLADES HOLE SAWS



APPLICATIONS:

- For drilling quickly and neatly holes in wood, plaster board, construction panels and plastics.

FEATURES:

- Tungsten carbon steel saw blades.
- Special hardened saw teeth.
- Complete with metal locating plate, pilot drill bit.



INDIVIDUAL PACKAGE DISPLAY
PACKED IN CLAMSHELL

ITEM NO.	NO.OF BLADE	QUICK CHANGE SAW BLADES	CUTTING DEPTH	SHANK
101904C	3	Φ40， 54,65mm	18 mm	8mm hex
101905C	3	Φ60, 68, 74 mm	33 mm	8mm hex
101906C	3	Φ40, 54, 65 mm	40 mm	8mm hex
101907C	4	Φ25, 35, 43, 53 mm	33 mm	8mm hex
101908C	5	Φ68, 74, 80,90,100 mm	33 mm	8mm hex
101903C	5	Φ60, 68, 74, 80, 95 mm	33 mm	8mm hex
101909C	5	Φ60, 68, 74, 80, 95 mm	40 mm	8mm hex
101910C	5	Φ28, 35, 50, 68, 74 mm	40 mm	8mm hex
101911C	6	Φ25, 32, 40,45, 54, 65 mm	23 mm	8mm hex
101912C	7	Φ25, 32, 38, 45, 50, 56, 62 mm	18 mm	8mm hex
101901C	7	Φ25, 32, 38,45,50, 56, 62 mm	23 mm	8mm hex
101913C	7	Φ25, 32, 38,45,50, 56,62 mm	33 mm	8mm hex
101902C	7	Φ25, 32, 38,45, 50, 56, 62 mm	50 mm	8mm hex
101914C	1	Φ65 mm	33 mm	8mm hex
101915C	1	Φ68 mm	23 mm	8mm hex
101916C	1	Φ68 mm	33 mm	8mm hex



Item No.101904C
7PCS TUNGSTEN HOLE SAWS packed in clamshell
Contains:
27,33,38,45,51,57,64mm
with 20mm cutting length



Item No.101905C
7PCS TUNGSTEN HOLE SAWS packed in clamshell
Contains:
27,33,38,45,51,57,64mm
with 44mm cutting length



Item No.101906C
7PCS TUNGSTEN HOLE SAWS packed in clamshell
Contains:
25,32,38,44,51,57,68mm
with 28mm cutting length

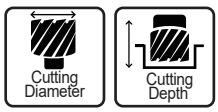


Item No.101908C
5PCS TUNGSTEN HOLE SAWS packed in clamshell
Contains:
59,66,74,81,93mm
with 34mm cutting length

starcraft®

4075 HSS ANNULAR CUTTERS WITH WELDON FLAT SHANK





APPLICATIONS:

• Ideal for drilling clean, precise, and burr-free holes in mild steel,structural steel & non-ferrous metals in either plate or pipe form.

FEATURES:

• M2 HSS construction with extremely high wear resistance.
• Aggressive cutting edges.
• No center punch required.
• For use on all magnetic drills,drill presses,milling machines and CNC machining centers.

METRIC SIZES

CUTTING DIAMETER	Depth: 25mm ITEM NO.	Depth: 55mm ITEM NO.	Depth: 75mm ITEM NO.	Depth: 100mm ITEM NO.
10mm	40750301T	407503101T	-	-
11mm	40750302T	407503102T	-	-
12mm	40750303T	407503103T	-	-
13mm	40750304T	407503104T	-	-
14mm	40750305T	407503105T	-	-
15mm	40750306T	407503106T	-	-
16mm	40750307T	407503107T	-	-
17mm	40750308T	407503108T	-	-
18mm	40750309T	407503109T	-	-
19mm	40750310T	407503110T	-	-
20mm	40750311T	407503111T	407503201T	-
21mm	40750312T	407503112T	407503202T	-
22mm	40750313T	407503113T	407503203T	-
23mm	40750314T	407503114T	407503204T	-
24mm	40750315T	407503115T	407503205T	407503301T
25mm	40750316T	407503116T	407503206T	407503302T
26mm	40750317T	407503117T	407503207T	407503303T
27mm	40750318T	407503118T	407503208T	407503304T

CUTTING DIAMETER	Depth: 25mm ITEM NO.	Depth: 55mm ITEM NO.	Depth: 75mm ITEM NO.	Depth: 100mm ITEM NO.
28mm	40750319T	407503119T	407503209T	407503305T
29mm	40750320T	407503120T	407503210T	407503306T
30mm	40750321T	407503121T	407503211T	407503307T
31mm	40750322T	407503122T	407503212T	407503308T
32mm	40750323T	407503123T	407503213T	407503309T
33mm	40750324T	407503124T	407503214T	407503310T
34mm	40750325T	407503125T	407503215T	407503311T
35mm	40750326T	407503126T	407503216T	407503312T
36mm	40750327T	407503127T	407503217T	407503313T
37mm	40750328T	407503128T	407503218T	407503314T
38mm	40750329T	407503129T	407503219T	407503315T
39mm	40750330T	407503130T	407503220T	407503316T
40mm	40750331T	407503131T	407503221T	407503317T
41mm	40750332T	407503132T	407503222T	407503318T
42mm	40750333T	407503133T	407503223T	407503319T
43mm	40750334T	407503134T	407503224T	407503320T
44mm	40750335T	407503135T	407503225T	407503321T
45mm	40750336T	407503136T	407503226T	407503322T

CUTTING DIAMETER	Depth: 25mm ITEM NO.	Depth: 55mm ITEM NO.	Depth: 75mm ITEM NO.	Depth: 100mm ITEM NO.
46mm	40750337T	407503137T	407503227T	407503323T
47mm	40750338T	407503138T	407503228T	407503324T
48mm	40750339T	407503139T	407503229T	407503325T
49mm	40750340T	407503140T	407503230T	407503326T
50mm	40750341T	407503141T	407503231T	407503327T
51mm	40750342T	407503142T	407503232T	407503328T
52mm	40750343T	407503143T	407503233T	407503329T
53mm	40750344T	407503144T	407503234T	407503330T
54mm	40750345T	407503145T	407503235T	407503331T
55mm	40750346T	407503146T	407503236T	407503332T
56mm	40750347T	407503147T	407503237T	407503333T
57mm	40750348T	407503148T	407503238T	407503334T
58mm	40750349T	407503149T	407503239T	407503335T
59mm	40750350T	407503150T	407503240T	407503336T
60mm	40750351T	407503151T	407503241T	407503337T
61mm	40750352T	407503152T	407503242T	407503338T
62mm	40750353T	407503153T	407503243T	407503339T
63mm	40750354T	407503154T	407503244T	407503340T

METRIC SIZES

CUTTING DIAMETER	Depth: 25mm ITEM NO.	Depth: 55mm ITEM NO.	Depth: 75mm ITEM NO.	Depth: 100mm ITEM NO.
64mm	40750355T	407503155T	407503245T	407503341T
65mm	40750356T	407503156T	407503246T	407503342T
66mm	40750357T	407503157T	407503247T	407503343T
67mm	40750358T	407503158T	407503248T	407503344T
68mm	40750359T	407503159T	407503249T	407503345T
69mm	40750360T	407503160T	407503250T	407503346T
70mm	40750361T	407503161T	407503251T	407503347T
71mm	40750362T	407503162T	407503252T	407503348T
72mm	40750363T	407503163T	407503253T	407503349T
73mm	40750364T	407503164T	407503254T	407503350T
74mm	40750365T	407503165T	407503255T	407503351T
75mm	40750366T	407503166T	407503256T	407503352T
76mm	40750367T	407503167T	407503257T	407503353T

CUTTING DIAMETER	Depth: 25mm ITEM NO.	Depth: 55mm ITEM NO.	Depth: 75mm ITEM NO.	Depth: 100mm ITEM NO.
77mm	40750368T	407503168T	407503258T	407503354T
78mm	40750369T	407503169T	407503259T	407503355T
79mm	40750370T	407503170T	407503260T	407503356T
80mm	40750371T	407503171T	407503261T	407503357T
81mm	40750372T	407503172T	407503262T	407503358T
82mm	40750373T	407503173T	407503263T	407503359T
83mm	40750374T	407503174T	407503264T	407503360T
84mm	40750375T	407503175T	407503265T	407503361T
85mm	40750376T	407503176T	407503266T	407503362T
86mm	40750377T	407503177T	407503267T	407503363T
87mm	40750378T	407503178T	407503268T	407503364T
88mm	40750379T	407503179T	407503269T	407503365T
89mm	40750380T	407503180T	407503270T	407503366T

CUTTING DIAMETER	Depth: 25mm ITEM NO.	Depth: 55mm ITEM NO.	Depth: 75mm ITEM NO.	Depth: 100mm ITEM NO.
90mm	40750381T	407503181T	407503271T	407503367T
91mm	40750382T	407503182T	407503272T	407503368T
92mm	40750383T	407503183T	407503273T	407503369T
93mm	40750384T	407503184T	407503274T	407503370T
94mm	40750385T	407503185T	407503275T	407503371T
95mm	40750386T	407503186T	407503276T	407503372T
96mm	40750387T	407503187T	407503277T	407503373T
97mm	40750388T	407503188T	407503278T	407503374T
98mm	40750389T	407503189T	407503279T	407503375T
99mm	40750390T	407503190T	407503280T	407503376T
100mm	40750391T	407503191T	407503281T	407503377T

INCH SIZES

CUTTING DIAMETER	Depth: 1" ITEM NO.	Depth: 2" ITEM NO.	Depth: 3" ITEM NO.	Depth: 4" ITEM NO.
7/16"	40759301T	407593101T	-	-
1/2"	40759302T	407593102T	-	-
9/16"	40759303T	407593103T	-	-
5/8"	40759304T	407593104T	-	-
11/16"	40759305T	407593105T	-	-
3/4"	40759306T	407593106T	-	-
13/16"	40759307T	407593107T	407593201T	-
7/8"	40759308T	407593108T	407593202T	-
15/16"	40759309T	407593109T	407593203T	407593301T
1"	40759310T	407593110T	407593204T	407593302T
1-1/16"	40759311T	407593111T	407593205T	407593303T
1-1/8"	40759312T	407593112T	407593206T	407593304T
1-3/16"	40759313T	407593113T	407593207T	407593305T
1-1/4"	40759314T	407593114T	407593208T	407593306T
1-5/16"	40759315T	407593115T	407593209T	407593307T
1-3/8"	40759316T	407593116T	407593210T	407593308T
1-7/16"	40759317T	407593117T	407593211T	407593309T
1-1/2"	40759318T	407593118T	407593212T	407593310T
1-9/16"	40759319T	407593119T	407593213T	407593311T
1-5/8"	40759320T	407593120T	407593214T	407593312T

CUTTING DIAMETER	Depth: 1" ITEM NO.	Depth: 2" ITEM NO.	Depth: 3" ITEM NO.	Depth: 4" ITEM NO.
1-11/16"	40759321T	407593121T	407593215T	407593313T
1-3/4"	40759322T	407593122T	407593216T	407593314T
1-13/16"	40759323T	407593123T	407593217T	407593315T
1-7/8"	40759324T	407593124T	407593218T	407593316T
1-15/16"	40759325T	407593125T	407593219T	407593317T
2"	40759326T	407593126T	407593220T	407593318T
2-1/16"	40759327T	407593127T	407593221T	407593319T
2-1/8"	40759328T	407593128T	407593222T	407593320T
2-3/16"	40759329T	407593129T	407593223T	407593321T
2-1/4"	40759330T	407593130T	407593224T	407593322T
2-5/16"	40759331T	407593131T	407593225T	407593323T
2-3/8"	40759332T	407593132T	407593226T	407593324T
2-7/16"	40759333T	407593133T	407593227T	407593325T
2-1/2"	40759334T	407593134T	407593228T	407593326T
2-9/16"	40759335T	407593135T	407593229T	407593327T
2-5/8"	40759336T	407593136T	407593230T	407593328T
2-11/16"	40759337T	407593137T	407593231T	407593329T
2-3/4"	40759338T	407593138T	407593232T	407593330T
2-13/16"	40759339T	407593139T	407593233T	407593331T
2-7/8"	40759340T	407593140T	407593234T	407593332T

CUTTING DIAMETER	Depth: 1" ITEM NO.	Depth: 2" ITEM NO.	Depth: 3" ITEM NO.	Depth: 4" ITEM NO.
2-15/16"	40759341T	407593141T	407593235T	407593333T
3"	40759342T	407593142T	407593236T	407593334T
3-1/16"	40759343T	407593143T	407593237T	407593335T
3-1/8"	40759344T	407593144T	407593238T	407593336T
3-3/16"	40759345T	407593145T	407593239T	407593337T
3-1/4"	40759346T	407593146T	407593240T	407593338T
3-5/16"	40759347T	407593147T	407593241T	407593339T
3-3/8"	40759348T	407593148T	407593242T	407593340T
3-7/16"	40759349T	407593149T	407593243T	407593341T
3-1/2"	40759350T	407593150T	407593244T	407593342T
3-9/16"	40759351T	407593151T	407593245T	407593343T
3-5/8"	40759352T	407593152T	407593246T	407593344T
3-11/16"	40759353T	407593153T	407593247T	407593345T
3-3/4"	40759354T	407593154T	407593248T	407593346T
3-13/16"	40759355T	407593155T	407593249T	407593347T
3-7/8"	40759356T	407593156T	407593250T	407593348T
3-15/16"	40759357T	407593157T	407593251T	407593349T

4076 CARBIDE TIPPED ANNULAR CUTTERS WITH WELDON FLAT SHANK



Cutting Diameter | Cutting Depth

METRIC SIZES

CUTTING DIAMETER	Depth: 35mm ITEM NO.	Depth: 50mm ITEM NO.
12mm	40760301T	407603101T
13mm	40760302T	407603102T
14mm	40760303T	407603103T
15mm	40760304T	407603104T
16mm	40760305T	407603105T
17mm	40760306T	407603106T
18mm	40760307T	407603107T
19mm	40760308T	407603108T
20mm	40760309T	407603109T
21mm	40760310T	407603110T
22mm	40760311T	407603111T
23mm	40760312T	407603112T
24mm	40760313T	407603113T
25mm	40760314T	407603114T
26mm	40760315T	407603115T
27mm	40760316T	407603116T
28mm	40760317T	407603117T
29mm	40760318T	407603118T
30mm	40760319T	407603119T
31mm	40760320T	407603120T
32mm	40760321T	407603121T
33mm	40760322T	407603122T
34mm	40760323T	407603123T

CUTTING DIAMETER	Depth: 35mm ITEM NO.	Depth: 50mm ITEM NO.
35mm	40760324T	407603124T
36mm	40760325T	407603125T
37mm	40760326T	407603126T
38mm	40760327T	407603127T
39mm	40760328T	407603128T
40mm	40760329T	407603129T
41mm	40760330T	407603130T
42mm	40760331T	407603131T
43mm	40760332T	407603132T
44mm	40760333T	407603133T
45mm	40760334T	407603134T
46mm	40760335T	407603135T
47mm	40760336T	407603136T
48mm	40760337T	407603137T
49mm	40760338T	407603138T
50mm	40760339T	407603139T
51mm	40760340T	407603140T
52mm	40760341T	407603141T
53mm	40760342T	407603142T
54mm	40760343T	407603143T
55mm	40760344T	407603144T
56mm	40760345T	407603145T
57mm	40760346T	407603146T

APPLICATIONS:

• Suitable for drilling cleaner and accurate holes in hardened, stainless steel and high strength steel.

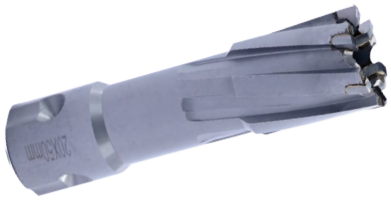
FEATURES:

• Tungsten tips guarantee an extended tool life even on tough metals.
• Spiral flute geometry supports effective chip removal.
• Complete with pilot pin for preventing cutter breakage.

CUTTING DIAMETER	Depth: 35mm ITEM NO.	Depth: 50mm ITEM NO.
58mm	40760347T	407603147T
59mm	40760348T	407603148T
60mm	40760349T	407603149T
61mm	40760350T	407603150T
62mm	40760351T	407603151T
63mm	40760352T	407603152T
64mm	40760353T	407603153T
65mm	40760354T	407603154T
66mm	40760355T	407603155T
67mm	40760356T	407603156T
68mm	40760357T	407603157T
69mm	40760358T	407603158T
70mm	40760359T	407603159T
71mm	40760360T	407603160T
72mm	40760361T	407603161T
73mm	40760362T	407603162T
74mm	40760363T	407603163T
75mm	40760364T	407603164T
76mm	40760365T	407603165T
77mm	40760366T	407603166T
78mm	40760367T	407603167T
79mm	40760368T	407603168T
80mm	40760369T	407603169T

CUTTING DIAMETER	Depth: 35mm ITEM NO.	Depth: 50mm ITEM NO.
81mm	40760370T	407603170T
82mm	40760371T	407603171T
83mm	40760372T	407603172T
84mm	40760373T	407603173T
85mm	40760374T	407603174T
86mm	40760375T	407603175T
87mm	40760376T	407603176T
88mm	40760377T	407603177T
89mm	40760378T	407603178T
90mm	40760379T	407603179T
91mm	40760380T	407603180T
92mm	40760381T	407603181T
93mm	40760382T	407603182T
94mm	40760383T	407603183T
95mm	40760384T	407603184T
96mm	40760385T	407603185T
97mm	40760386T	407603186T
98mm	40760387T	407603187T
99mm	40760388T	407603188T
100mm	40760389T	407603189T

4077 CARBIDE TIPPED ANNULAR CUTTERS WITH UNIVERSAL SHANK



Cutting Diameter | Cutting Depth

METRIC SIZES

CUTTING DIAMETER	Depth: 35mm ITEM NO.	Depth: 50mm ITEM NO.
12mm	40770301T	407703101T
13mm	40770302T	407703102T
14mm	40770303T	407703103T
15mm	40770304T	407703104T
16mm	40770305T	407703105T
17mm	40770306T	407703106T
18mm	40770307T	407703107T
19mm	40770308T	407703108T
20mm	40770309T	407703109T
21mm	40770310T	407703110T
22mm	40770311T	407703111T
23mm	40770312T	407703112T
24mm	40770313T	407703113T
25mm	40770314T	407703114T
26mm	40770315T	407703115T
27mm	40770316T	407703116T
28mm	40770317T	407703117T
29mm	40770318T	407703118T
30mm	40770319T	407703119T
31mm	40770320T	407703120T
32mm	40770321T	407703121T
33mm	40770322T	407703122T
34mm	40770323T	407703123T

CUTTING DIAMETER	Depth: 35mm ITEM NO.	Depth: 50mm ITEM NO.
35mm	40770324T	407703124T
36mm	40770325T	407703125T
37mm	40770326T	407703126T
38mm	40770327T	407703127T
39mm	40770328T	407703128T
40mm	40770329T	407703129T
41mm	40770330T	407703130T
42mm	40770331T	407703131T
43mm	40770332T	407703132T
44mm	40770333T	407703133T
45mm	40770334T	407703134T
46mm	40770335T	407703135T
47mm	40770336T	407703136T
48mm	40770337T	407703137T
49mm	40770338T	407703138T
50mm	40770339T	407703139T
51mm	40770340T	407703140T
52mm	40770341T	407703141T
53mm	40770342T	407703142T
54mm	40770343T	407703143T
55mm	40770344T	407703144T
56mm	40770345T	407703145T
57mm	40770346T	407703146T

APPLICATIONS:

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FEATURES:

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CUTTING DIAMETER	Depth: 35mm ITEM NO.	Depth: 50mm ITEM NO.
58mm	40770347T	407703147T
59mm	40770348T	407703148T
60mm	40770349T	407703149T
61mm	40770350T	407703150T
62mm	40770351T	407703151T
63mm	40770352T	407703152T
64mm	40770353T	407703153T
65mm	40770354T	407703154T
66mm	40770355T	407703155T
67mm	40770356T	407703156T
68mm	40770357T	407703157T
69mm	40770358T	407703158T
70mm	40770359T	407703159T
71mm	40770360T	407703160T
72mm	40770361T	407703161T
73mm	40770362T	407703162T
74mm	40770363T	407703163T
75mm	40770364T	407703164T
76mm	40770365T	407703165T
77mm	40770366T	407703166T
78mm	40770367T	407703167T
79mm	40770368T	407703168T
80mm	40770369T	407703169T

CUTTING DIAMETER	Depth: 35mm ITEM NO.	Depth: 50mm ITEM NO.
81mm	40770370T	407703170T
82mm	40770371T	407703171T
83mm	40770372T	407703172T
84mm	40770373T	407703173T
85mm	40770374T	407703174T
86mm	40770375T	407703175T
87mm	40770376T	407703176T
88mm	40770377T	407703177T
89mm	40770378T	407703178T
90mm	40770379T	407703179T
91mm	40770380T	407703180T
92mm	40770381T	407703181T
93mm	40770382T	407703182T
94mm	40770383T	407703183T
95mm	40770384T	407703184T
96mm	40770385T	407703185T
97mm	40770386T	407703186T
98mm	40770387T	407703187T
99mm	40770388T	407703188T
100mm	40770389T	407703189T

TCT ANNULAR CUTTERS SETS



Item No.407501

7PCS HSS ANNULAR CUTTERS
in plastic case

SIZE INCLUDES:
14X30mm, 16X30mm, 20X30mm,
22X30mm, 26X30mm, 28X30mm.



Item No.407502

7PCS HSS ANNULAR CUTTERS
in plastic case

SIZE INCLUDES:
13X50mm, 15X50mm, 17X50mm,
21X50mm, 25X50mm, 27X50mm.



Item No.407701

7PCS TCT ANNULAR CUTTERS
in plastic case

SIZE INCLUDES:
14X35mm, 16X35mm, 18X35mm,
20X35mm, 26X35mm, 28X35mm.



Item No.407503

13PCS HSS ANNULAR CUTTERS
in plastic case

SIZE INCLUDES:
7/16"X1", 1/2"X1", 9/16"X1",
5/8"X1", 11/16"X1", 3/4"X1",
13/16"X1", 7/8"X1", 15/16"X1",
1"X1", 1-1/16"X1".



Item No.407504

13PCS HSS ANNULAR CUTTERS
in plastic case

SIZE INCLUDES:
10X50mm, 12X50mm, 14X50mm,
16X50mm, 17X50mm, 18X50mm,
20X50mm, 22X50mm, 24X50mm,
26X50mm, 28X50mm.