

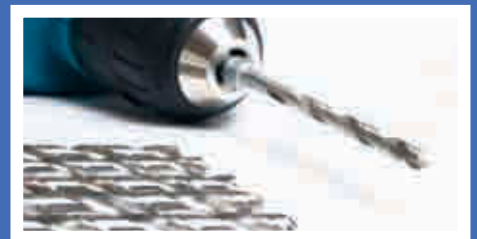


SECTION

11



REAMING, TAPPING AND MACHINING



QUALITY PRODUCTS AND QUALITY SERVICE



SPECIALIST TOOLS FOR THE PROFESSIONAL
ENGINEER AND TRADESMAN

G&J HALL

www.gjhall.co.uk



SPECIALIST TOOLS FOR THE PROFESSIONAL
ENGINEER AND TRADESMAN

G&J HALL

www.gjhall.co.uk

TUCKS
INDUSTRIAL SUPPLIERS
AND DISTRIBUTORS



SECTION 11

REAMING, TAPPING AND MACHINING

TAPS	1
TAP WRENCHES	2
DIE NUTS	3
SPLIT CIRCULAR DIES	4
TAP & DIE SETS	4
CONECUTS	5
BRADRADS/STEP DRILLS	6
COUNTERBORE/HANDIBURRS	6
END MILLS/SLOT DRILL	7
TOOLHOLDERS	7
SILVERSTEEL	8
HOLESAWS	9
HOLESAW ARBORS	11



11 REAMING, TAPPING AND MACHINING

HALLS *Metric Hand Taps*



The extensive range of ground thread taps is manufactured from quality high speed steel to internationally recognised ISO standards, ensuring both high performance and long tool life.

- Straight flute taps
- General purpose taps suitable for hand use
- Available with either taper, second or plug lead

Item#	Tap Size	Type	Drill Size
Metric Coarse			
05011	3 x 0.5m	Taper	2.5mm
05012	3 x 0.5m	Second	2.5mm
05013	3 x 0.5m	Plug	2.5mm
05014	3.5 x 0.6m	Taper	2.9mm
05015	3.5 x 0.6m	Second	2.9mm
05016	3.5 x 0.6m	Plug	2.9mm
05017	4 x 0.7m	Taper	3.3mm
05018	4 x 0.7m	Second	3.3mm
05019	4 x 0.7m	Plug	3.3mm
05023	5 x 0.8m	Taper	4.2mm
05024	5 x 0.8m	Second	4.2mm
05025	5 x 0.8m	Plug	4.2mm
05026	6 x 1m	Taper	5mm
05027	6 x 1m	Second	5mm
05028	6 x 1m	Plug	5mm
05029	7 x 1m	Taper	6mm
05030	7 x 1m	Second	6mm
05031	7 x 1m	Plug	6mm
05032	8 x 1.25m	Taper	6.8mm
05033	8 x 1.25m	Second	6.8mm
05034	8 x 1.25m	Plug	6.8mm
05035	9 x 1.25m	Taper	7.8mm
05036	9 x 1.25m	Second	7.8mm
05037	9 x 1.25m	Plug	7.8mm
05038	10 x 1.5m	Taper	8.5mm
05039	10 x 1.5m	Second	8.5mm
05040	10 x 1.5m	Plug	8.5mm
05041	11 x 1.5m	Taper	9.5mm
05042	11 x 1.5m	Second	9.5mm
05043	11 x 1.5m	Plug	9.5mm
05044	12 x 1.75m	Taper	10.2mm
05045	12 x 1.75m	Second	10.2mm
05046	12 x 1.75m	Plug	10.2mm
05047	14 x 2m	Taper	12mm
05048	14 x 2m	Second	12mm
05049	14 x 2m	Plug	12mm
05050	16 x 2m	Taper	14mm

Item#	Tap Size	Type	Drill Size
05051	16 x 2m	Second	14mm
05052	16 x 2m	Plug	14mm
05053	18 x 2.5m	Taper	15.5mm
05054	18 x 2.5m	Second	15.5mm
05055	18 x 2.5m	Plug	15.5mm
05056	20 x 2.5m	Taper	17.5mm
05057	20 x 2.5m	Second	17.5mm
05058	20 x 2.5m	Plug	17.5mm
05059	22 x 2.5m	Taper	19.5mm
05061	22 x 2.5m	Plug	19.5mm
05062	24 x 3m	Taper	21mm
05064	24 x 3m	Plug	21mm
05068	30 x 3.5m	Taper	26.5mm

Item#	Tap Size	Type	Drill Size
Metric Fine			
05105	5 x 0.5m	Taper	4mm
05107	5 x 0.5m	Plug	4mm
05112	8 x 1m	Second	6.3mm
05113	8 x 1m	Plug	6.3mm
05117	10 x 1.25m	Taper	8.8mm
05118	10 x 1.25m	Second	8.8mm
05119	10 x 1.25m	Plug	8.8mm
05120	12 x 1.25m	Taper	10.8mm
05121	12 x 1.25m	Second	10.8mm
05122	12 x 1.25m	Plug	10.8mm
05123	12 x 1.5m	Taper	10.5mm
05124	12 x 1.5m	Second	10.5mm
05125	12 x 1.5m	Plug	10.5mm
05126	14 x 1.25m	Taper	12.8mm
05127	14 x 1.25m	Second	12.8mm
05129	14 x 1.5m	Taper	12.5mm
05130	14 x 1.5m	Second	12.5mm
05131	14 x 1.5m	Plug	12.5mm
05132	16 x 1.5m	Taper	14.5mm
05133	16 x 1.5m	Second	14.5mm
05134	16 x 1.5m	Plug	14.5mm

HALLS *Conduit Hand Taps*

Item#	Tap Size	Type	Drill Size
Conduit			
05192	20 x 1.5m	Taper	18.5mm
05193	20 x 1.5m	Plug	18.5mm
05194	25 x 1.5m	Taper	23.5mm
05196	32 x 1.5m	Taper	30.5mm



HALLS *Imperial Hand Taps*



The extensive range of ground thread taps is manufactured from quality high speed steel to internationally recognised ISO standards, ensuring both high performance and long tool life.

- Straight flute taps
- General purpose taps suitable for hand use
- Available with either taper, second or plug lead

Item#	Size	Type	Drill Size
-------	------	------	------------

UNC

05211	1/4" x 20	Taper	5.1mm
05213	1/4" x 20	Plug	5.1mm
05214	5/16" x 18	Taper	6.6mm
05216	5/16" x 18	Plug	6.6mm
05217	3/8" x 16	Taper	8mm
05219	3/8" x 16	Plug	8mm
05220	7/16" x 14	Taper	9.4mm
05222	7/16" x 14	Plug	9.4mm
05223	1/2" x 13	Taper	10.8mm
05224	1/2" x 13	Second	10.8mm
05225	1/2" x 13	Plug	10.8mm
05229	5/8" x 11	Taper	13.5mm
05231	5/8" x 11	Plug	13.5mm
05232	3/4" x 10	Taper	16.5mm
05234	3/4" x 10	Plug	16.5mm
05235	7/8" x 9	Taper	19.5mm
05238	1" x 8	Taper	22.2mm
05240	1" x 8	Plug	22.2mm

Item#	Size	Type	Drill Size
-------	------	------	------------

UNF

05261	1/4" x 28	Taper	5.5mm
05263	1/4" x 28	Plug	5.5mm
05264	5/16" x 24	Taper	6.9mm
05265	5/16" x 24	Second	6.9mm
05266	5/16" x 24	Plug	6.9mm
05267	3/8" x 24	Taper	8.5mm
05269	3/8" x 24	Plug	8.5mm
05270	7/16" x 20	Taper	9.9mm
05271	7/16" x 20	Second	9.9mm
05272	7/16" x 20	Plug	9.9mm
05273	1/2" x 20	Taper	11.5mm
05274	1/2" x 20	Second	11.5mm
05275	1/2" x 20	Plug	11.5mm
05279	5/8" x 18	Taper	14.5mm
05283	3/4" x 16	Second	17.5mm
05284	3/4" x 16	Plug	17.5mm
05285	7/8" x 14	Taper	20.4mm
05286	7/8" x 14	Second	20.4mm
05287	7/8" x 14	Plug	20.4mm
05288	1" x 12	Taper	23.2mm
05289	1" x 12	Second	23.2mm
05290	1" x 12	Plug	23.2mm

Item#	Size	Type	Drill Size
-------	------	------	------------

BSF

05351	1/4" x 26	Taper	5.3mm
05352	1/4" x 26	Second	5.3mm
05353	1/4" x 26	Plug	5.3mm
05354	5/16" x 22	Taper	6.8mm
05355	5/16" x 22	Second	6.8mm
05358	3/8" x 20	Second	8.3mm
05360	1/2" x 16	Taper	11.1mm
05362	1/2" x 16	Plug	11.1mm

Item#	Size	Type	Drill Size
-------	------	------	------------

BSW

05305	1/8" x 40	Second	2.55mm
05307	3/16" x 24	Taper	3.7mm
05308	3/16" x 24	Second	3.7mm
05309	3/16" x 24	Plug	3.7mm
05310	1/4" x 20	Taper	5.1mm
05311	1/4" x 20	Second	5.1mm
05312	1/4" x 20	Plug	5.1mm
05313	5/16" x 18	Taper	6.8mm
05314	5/16" x 18	Second	6.8mm
05315	5/16" x 18	Plug	6.8mm
05316	3/8" x 16	Taper	8.3mm
05317	3/8" x 16	Second	8.3mm
05321	7/16" x 14	Plug	9.3mm
05322	1/2" x 12	Taper	10.5mm
05324	1/2" x 12	Plug	10.5mm
05330	5/8" x 11	Plug	13.5mm
05334	7/8" x 9	Taper	19.25mm
05336	7/8" x 9	Plug	19.25mm
05337	1" x 8	Taper	22mm

Item#	Size	Type	Drill Size
-------	------	------	------------

BSP

05384	1/8" x 28	Taper	8.8mm
05385	1/8" x 28	Plug	8.8mm
05386	1/4" x 19	Taper	11.8mm
05387	1/4" x 19	Plug	11.8mm
05388	3/8" x 19	Taper	15.25mm
05389	3/8" x 19	Plug	15.25mm
05390	1/2" x 14	Taper	19mm
05391	1/2" x 14	Plug	19mm
05392	5/8" x 14	Taper	21mm
05393	5/8" x 14	Plug	21mm
05394	3/4" x 14	Taper	24.5mm
05395	3/4" x 14	Plug	24.5mm
05397	7/8" x 14	Plug	28.25mm
05398	1" x 11	Taper	30.75mm
05399	1" x 11	Plug	30.75mm

Item#	Size#	Type	Drill Size
-------	-------	------	------------

BA

05371	0	Taper	5.1mm
05373	0	Plug	5.1mm
05374	2	Taper	4mm
05375	2	Second	4mm
05376	2	Plug	4mm
05377	4	Taper	3mm
05378	4	Second	3mm
05379	4	Plug	3mm
05380	6	Taper	2.3mm
05381	6	Second	2.3mm



HALLS
Bar Tap Wrench



Bar type tap wrench with removable chrome handles.

- Both handles knurled on either end for positive grip and control
- Available in sizes to cover the whole range of taps and dies

Item#	Mfg Part#	Size
05991	ATW1	1.4 - 12mm
05992	ATW2	5 - 14mm
05993	ATW3	6 - 20mm
05994	ATW4	14 - 24mm

ECLIPSE
Bar Type Tap Wrench



This wrench provides a comfortable and positive grip plus the sensitivity required when tapping a blind hole.

- A knurled lock nut ensures a constant grip on the tap when in use

Item#	Mfg Part#	Size	Length
02511	E240	1.5 - 4.6mm	110mm
02512	E241	2.0 - 7.2mm	164mm

ECLIPSE
Chuck Type Tap Wrench



The chuck jaws are stepped, which greatly extends the range of taps each wrench will accept.

- The long reach type of wrenches are designed to simplify tapping in awkward situations by lifting the tommy bar clear of obstructions
- The tommy bar is adjustable for tapping close to a shoulder or other obstruction

Item#	Mfg Part#	Size	Length
02505	E141	1.0 - 2.8mm	50mm
02506	E142	2.0 - 5.0mm	65mm

Long Reach

02508	E145	2.0 - 5.0mm	165mm
02509	E146	3.0 - 8.0mm	255mm

E-TOP
Ratchet Tap Wrench



Ratchet type tap wrench with sliding T handle.

- Ratchet can be set for right or left turning
- Available in two sizes

Item#	Size
05998	3 - 6mm
05999	6 - 12mm

HALLS
Hex Die Nuts



Manufactured from quality high speed steel to internationally recognised standards.

- Used for correcting bruised and damaged external threads by hand

Item#	Size
-------	------

Metric Coarse

05603	4mm x 0.7
05605	5mm x 0.8
05606	6mm x 1
05608	8mm x 1.25
05610	10mm x 1.5
05612	12mm x 1.7
05614	14mm x 2
05616	16mm x 2
05620	20mm x 2.5
05624	24mm x 3

Metric Fine

05655	12mm x 1.25
-------	-------------

U.N.C.

05704	3/8" x 16
05706	1/2" x 13
05708	5/8" x 11
05709	3/4" x 10

U.N.F.

05719	1/4" x 28
-------	-----------

B.S.W.

05734	3/16" x 24
05735	1/4" x 20
05736	5/16" x 18
05737	3/8" x 16
05738	7/16" x 14
05739	1/2" x 12



HALLS
Split Circular Dies



High speed steel split circular dies, used to produce an external thread.

- Split circular dies can be adjusted to thread slightly smaller or larger
- Manufactured from quality high speed steel to internationally recognised standards

Item#	Size	O.D.
Metric Coarse		
05404	3mm x 0.50	13/16"
05406	4mm x 0.70	13/16"
05408	5mm x 0.80	13/16"
05409	6mm x 1.00	13/16"
05411	6mm x 1.00	1"
05413	8mm x 1.25	1"
05415	10mm x 1.50	1"
05418	8mm x 1.25	1.5/16"
05420	10mm x 1.5	1.5/16"
05422	12mm x 1.75	1.5/16"
05423	14mm x 2.00	1.5/16"
05426	12mm x 1.75	1.1/2"
05427	14mm x 2.00	1.1/2"
05428	16mm x 2.00	1.1/2"
05432	20mm x 2.50	2"
Fine		
05465	12mm x 1.25	1.5/16"
U.N.C.		
05513	3/8" x 16	1"
05516	3/8" x 16	1.5/16"
05517	7/16" x 14	1.5/16"
05518	1/2" x 13	1.5/16"
U.N.F.		
05543	3/8" x 24	1"
05548	1/2" x 20	1.5/16"
05558	3/4" x 16	2"
B.S.W.		
05572	3/8" x 16	1"
05576	7/16" x 14	1.5/16"
05577	1/2" x 12	1.5/16"
05581	1/2" x 12	1.1/2"

HALLS
Die Stock Holders



Manufactured from quality high speed steel to BS 1127:1950.

- Used for holding round dies for the clean cutting external threads

Item#	Size
05981	13/16"
05982	1"
05983	1.5/16"
05984	1.1/2"
05985	2"

HALLS
Tap & Die Set



Cased set of HSSGT taps with HSS split circular dies, wrenches and stocks. Available in sizes to cover the whole range of taps and dies. Each set in polished wood case contains:

- HSS die
- HSSGT taper and bottoming tap per size
- Tap wrench and diestock to suit
- Screwdriver for diestock adjustment

Item#	Mfg Part#	Tap Size
05902	SC2	3 - 12mm



RAVEN
Tap & Die Set



30 piece cased set of HSS hand taps and circular die nuts complete with bar type tap wrench and die stock holder.

- Each tap comes in taper, second and plug
- Plastic moulded case

Item#	Tap Size	Die Size
05934	3 - 12mm	3 - 12mm

E-TOP
Tap Set



22 piece cased set of HSS hand taps with bar type tap wrench. Available in sizes to cover the whole range of taps and dies.

- Each size comes in taper, second and plug
- Metal cased
- Manufactured to DIN 352

Item#	Tap Size
05936	3 - 12mm

KRINO
Countersinks



Used to produce angular countersinks.

Item#	Shank	Size
06807	5mm	6.3mm

HALLS
Countersink Bits



HSS countersinks.

- Clean-cutting chatter-free tools for deburring and chamfering
- Excellent chip clearance, ideal for soft alloys such as aluminium, brass as well as all ferrous metals
- 5 Flute - the 90° angle together with the 0° rake angle makes this tool suitable for countersinking ferrous metals, hard plastics and wood
- 3 Flute - the positive rake angle means that a quick cutting action together with a chatter-free operation is possible when countersinking both ferrous and non-ferrous metals, hard and soft plastics

Item#	Mfg Part#	Head	Shank
-------	-----------	------	-------

5 Flute

06303	CS5 8	8mm	5mm
06307	CS5 12	12mm	6.35mm
06311	CS5 16	16mm	8mm
06315	CS5 20	20mm	10mm

3 Flute

06321	CS3 6	6.3mm	5mm
06323	CS3 8	8.3mm	6mm
06325	CS3 10	10.4mm	6mm
06327	CS3 12	12.4mm	8mm
06329	CS3 16	16.5mm	10mm
06331	CS3 20	20.5mm	10mm
06333	CS3 25	25mm	10mm
06339	CS3 S1	Set (6) 6.3 - 20.5mm	

HALLS
Concuts



High speed steel taper drill. Drills and enlarges burr free holes in thin materials up to 2mm thick. For use with sheet metal plastics, formica and plywood. The most versatile hole-cutting tool for rapid drilling and enlarging holes in thin materials up to 2mm thick. Designed for industrial applications, the diameter of the hole increases as the CONECUT® is advanced into the material, providing infinitely variable sizes.

- Chatter-free
- Clean, round, burr-free holes
- Non-slip point - needs no centre punch
- No flexing of drill whilst drilling
- Multi-flute design
- Drills diameters from 4mm to 60mm
- Enlarges existing holes
- Shank will not slip in chuck

Item#	Mfg Part#	Size	Shank
-------	-----------	------	-------

06101	CC0	3.0 - 14mm	1/4"
06103	CC1	6 - 20mm	3/8"
06105	CC1A	9.5 - 22.5mm	3/8"
06107	CC2	16 - 30.5mm	3/8"
06109	CC3	25 - 40mm	3/8"
06111	CC4	37 - 52mm	3/8"
06140	CC25	16 - 25mm	3/8"



HALLS HSS Bradrads



High speed steel concentric step drill HSS step drills, with a round shank for smaller diameters and Morse taper for larger. Designed for industrial applications, each step produces accurate, parallel holes with a small clearance on the nominal diameter.

- It positively deburrs the entry side as the hole is drilled, and if the work can be reversed, both sides
- Progressive cut with low torque requirement
- Up to eleven diameters on one tool
- Ideal for a range of materials from plastics to stainless steel

Item#	Mfg Part#	Size	Shank
06201	BS M1	5.5 - 35.5mm	3/8"
06211	BS E1	1/4" - 1.1/2"	3/8"

HALLS Multicut Step Drills



Each step produces parallel and accurate holes with a nominal clearance on diameter. The maximum material thickness is determined by the length of the step on each tool.

- Controlled drilling
- Burr-free holes
- HSS for long tool life and extra durability
- Up to 14 conventional drill sizes on one tool
- Drills material up to 10mm thick
- Non-slip point - needs no centre punch
- No flexing of drill whilst drilling
- Multi-flute design
- Drills diameters from 4mm to 60mm
- Enlarges existing holes
- Shank will not slip in chuck

Item#	Mfg Part#	Size	Steps
06251	MC 1M	4 - 12mm	1mm
06252	MC 2M	10 - 20mm	1mm
06253	MC 3M	20 - 30mm	1mm
06255	MC 5M	6 - 24mm	2mm
06260	MC 10M	4 - 30mm	2mm
06271	MC 1E	1/8" - 1/2"	1/32"

HALLS Counterbore Bits



Plain shank HSS counterbores.

- Solid type with integral pilot for use in chucks or collects
- Manufactured to BS328 Part 5/ISO Din 373

Item#	Cutting Diam	Pilot Diam	Capscrew
06402	6mm	3.4mm	M3P
06404	8mm	4.5mm	M4P
06405	10mm	5mm	M5P
06406	11mm	6.6mm	M6P
06410	18mm	11mm	M10P

HALLS Rethreaders



Handiburr® rethreaders are based on a high speed steel tap permanently fitted with a handle. Designed principally for cleaning out the fixing holes in socket-switch or conduit-boxes, as these often have malformed threads or are blocked by plaster or cement.

Item#	Size
06014	3.5mm x 0.60
06017	4mm x 0.70
06019	5mm x 0.80
06023	2 BA
06025	4 BA
06027	6 BA

HALLS 90° Chamfer Bit



Handiburr® chamferbits are made from high speed steel. The 3-flute design provides a positive cutting action for chamfering or deburring holes in metals, plastics or wood. The end of tubes can also be deburred.

Item#	Size	Ref
06501	12.4mm	HB1
06502	25mm	HB2

HALLS Pipe Reamer



Handiburr® pipe reamers are made from quality tool steel. Used to deburr all types of tube and pipe or any holes within the size range. Particularly suitable for electrical conduit tube, 15mm and 22mm copper pipe. Removes tabs on 'knockout' boxes. Safer, quicker and more effective than filing or other methods.

Item#	Size
06503	10 - 34mm



OSBORN
Standard Length End Mills



For profile milling, finishing applications and open ended slots.

- 4 flute short series
- Right hand cutting
- To fit small autolock chuck
- For extra performance on tougher materials

Item#	Size
09530	20mm

OSBORN
Standard Length Slot Drills



For profile milling and slot cutting.

- 2 flute short series
- Right hand cutting
- To fit small autolock chuck

Item#	Size
09009	3/16"
09017	5/16"
09021	3/8"
09037	3/4"

Metric

09108	5mm
09110	6mm
09114	8mm
09118	10mm
09122	12mm
09126	16mm
09128	18mm
09130	20mm

OSBORN
Long Series Slot Drill



Long series slot drills for milling accurate closed end keyways, slots and plunge feed cutting or sinking.

Item#	Size
09309	6mm

SANDVIK
Turning Toolholders



Turning toolholder used to produce cylindrical components in a lathe. It can be done manually, or using a CNC machine.

Item#	Mfg Part#	Shank Size
-------	-----------	------------

Toolholders

11023	PTGNR 2020K 16	20mm
11025	PTGNR 2525M 16	25mm

Insert

11137	TNMG 160404	
11121	TNMG 160408	

Spare Parts

11911	174.3-840M	Lever
11912	174.3-820	Screw
11913	179.3-850M	Shim
11914	174.3-861	Shim Pin

SANDVIK
Parting Off Toolholders



Parting off toolholders for parting off metal in a lathe.

Item#	Mfg Part#	Shank Size
-------	-----------	------------

Toolholders

11405	151.2-2520-25	5 x 20
-------	---------------	--------

Blades

11451	151.2-25-30	25 x 3mm
-------	-------------	----------

Insert

11211	N.151.2-300-4E	
11213	N.151.2-400-4E	



SANDVIK
Boring Toolholders



Boring toolholders used on the inside of a lathe to produce tubular components to various geometries.

Item#	Mfg Part#	Shank Size
Toolholders		
11221	S.12M CTFPR-11	12mm
11223	S.16R CTFPR-11	16mm
11225	S.20S CTFPR-11	20mm
11227	S.25S CTFPR-16	25mm
Insert		
11171	TPGN 110304	
11185	TPMR 110304	
11177	TPMR 110308	
11178	TPMR 160304	
11179	TPMR 160308	
11183	TPUN 160308	
11173	TPMR 110308	
Spare Parts		
11952	174.9-830-1	Clamp Set
11953	174.9-832-1	Clamp Set

OSBORN
Square HSS Tool Bits



Imperial square toolbits.

- Designed for use in lathe tool applications

Item#	Size
08004	1/4" Sq x 2.1/2" Long
08007	5/16" Sq x 2.1/2" Long
08010	3/8" Sq x 3" Long
08015	1/2" Sq x 4" Long

STUBBS
Round Silver Steel



13" lengths of top quality round silver steel for general machining jobs.

- Chamfered, deburred ends for safety

Item#	Size
Metric 333mm Long	
03003	3mm
03004	4mm
03005	5mm
03006	6mm
03008	8mm
03010	10mm
03012	12mm
03016	16mm
03020	20mm
03022	22mm
03025	25mm
Imperial 13" Long	
03103	1/8"
03104	5/32"
03105	3/16"
03106	7/32"
03107	1/4"
03109	5/16"
03111	3/8"
03113	7/16"
03115	1/2"
03119	5/8"
03123	3/4"
03125	7/8"
03127	1"



E-TOP
Holesaw Kit



9 piece electricians holesaw kit 22-64mm c/w two arbors.
 • Plastic moulded case

Item#	Size
13302	22 - 64mm

RAVEN
Holesaw Kit
Electricians Bi-Metal



9 piece electricians bi-metal holesaw kit to make precise and faster cuts in iron, steel, aluminium, brass, copper, cast iron, wood, plywood, plastics and fibreglass.

- Plastic moulded case

Item#	Size
RV-17665	2 2 - 64mm

STARRETT
Holesaw Kit



Holesaws kits to meet the needs of all tradesmen and DIY enthusiasts.

- Kits feature a range of saws with sizes selected specifically to suit the relevant application
- Packed in a sturdy carrying case

Item#	Mfg Part#	Kit Type	Sizes
13261	KDP2000E	Electricians	16,20,25,40, 51mm
13263	K2000G	General Purpose	22,29,35,44, 51 & 64mm
13265	KS2000PE	Electricians/ Plumbers	19,22,29,35, 44,51,57 & 64mm
13267	KDP2000U	Industrial	19,22,25,32, 35,38,44,51, 57,64,76mm

RAVEN
Multi Holesaw



Using a hole saw is the fastest and easiest way to create a hole up to several inches in diameter. A hole saw has three parts: an arbor that attaches to a standard drill, a pilot bit, and the hole saw itself. The saw will fit into almost any drill.

- Raven multi holesaw kit for wood comes with 1 holder, 7 blades and pilot drill
- Available in 25mm and 50mm blade lengths

Item#	Blade Depth
RV-17601	25mm
RV-17602	50mm



STARRETT
HSS Bi-Metal Holesaw



Bi-metal holesaw hole cutter sizes range from 14mm to 210mm. There is a bi-metal Starrett hole saw hole cutter to meet every need.

- Bi-metal holesaws are engineered for general purpose cutting of thinner gauge materials
- Constant pitch ensures smoother cuts and less bite or snag on contact with regular surfaces
- Carbide tipped hole saws are engineered for: PVC, wood, fibre-glass and materials that are too hard and abrasive for regular steel hole cutters

Item#	Size
Bi-Metal	
13201	14mm
13202	16mm
13204	19mm
13205	20mm
13206	21mm
13207	22mm
13208	24mm
13209	25mm
13210	27mm
13211	29mm
13212	30mm
13213	32mm
13215	35mm
13217	38mm
13218	40mm
13219	41mm
13223	44mm
13224	46mm
13225	48mm
13226	51mm
13227	52mm
13228	54mm
13229	56mm
13230	57mm
13232	60mm
13233	64mm
13235	67mm
13237	70mm
13238	73mm
13239	76mm
13240	79mm
13241	83mm
13242	86mm
13243	89mm
13244	92mm
13245	95mm
13247	102mm
13249	108mm
13250	111mm

Item#	Size
13251	114mm
13252	121mm
13253	127mm
13255	140mm
13256	152mm
13257	160mm
13258	168mm
13259	177mm
13260	210mm
Carbide H/Duty	
13414	32mm
13423	41mm
TCT	
13631	20mm
13633	25mm
Bi Metal Cordless	
13603	CSC20

RAVEN
HSS Bi-Metal Holesaw



HSS - bimetal holesaws with variable tooth for a faster and smoother cut. To make precise and faster cuts in iron, steel, aluminium, brass, copper, cast iron, wood, plywood, plastics and fiberglass.

- Max cutting depth 30mm

Item#	Size
RV-17608	16mm
RV-17610	19mm
RV-17611	20mm
RV-17613	22mm
RV-17615	25mm
RV-17618	30mm
RV-17619	32mm
RV-17621	35mm
RV-17623	38mm
RV-17624	40mm
RV-17625	41mm
RV-17630	51mm
RV-17633	57mm
RV-17635	60mm
RV-17636	64mm
RV-17640	70mm
RV-17642	76mm
RV-17650	102mm
RV-17653	111mm
RV-17654	114mm
RV-17655	121mm
RV-17656	127mm
RV-17658	152mm



STARRETT
Holesaw Arbors



Standard, Quick Hitch™, locking, combined with high speed steel or carbide tipped pilot drills provide the flexibility and performance necessary to accompany the Starrett hole saw range.

Item#	Holesaw Size
13271	14 - 30mm
Extension	
13286	
13285	
Quick Hitch	
13272	32mm Upwards
Quick Change Connector	
13293	
Pilot Drill	
13291	

RAVEN
Holesaw Arbors
SDS Plus



Arbors for SDS plus bi-metal holesaws.

- 14 - 30mm M16
- 32 - 152mm M22

Item#	Shank Size
RV-17661	16mm
RV-17664	22mm

RAVEN
Holesaw Arbors
Hex Shank Bi-Metal



Arbors for bi-metal holesaws hex shank.

- 14-30mm hex shank 6.5mm
- 14-30mm hex shank 8.5mm
- 32-152mm hex shank 11mm
- 32-152mm hex shank 9.5mm

Item#	Shank Size
RV-17659	6.35mm
RV-17660	8.5mm
RV-17662	11mm
RV-17663	9.5mm