

# Drill Bits, Augers, Taps & Dies



Drill Bits, Augers, Taps & Dies

OUTLETS NATIONWIDE

216

# Drill Bits, Augers, Taps & Dies

Solutions for just about any drilling application. From the toughest steel to concrete, granite, glass and wood.

We also stock the widest range of taps and dies and related accessories



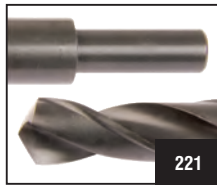
218-220

HSS Bits



220

HSS Bits - Sets



221

Reduced Shank HSS Bits



222

Morse Taper Shank Drills



223

Drill Sleeve (Morse)



223

Drill Chuck Arbors



223

Drill Drift Keys



223

Centre Drills - Type A



223

Stepped Drilling Bits



225

HSS Cobalt Bits



225

HSS Double Ended Stub



226

Flute End Mills



226

Core Drill Cutters



227

Masonry Drill Bits



228

Cordless Multi Drill Bits



227

Concrete Carbide Tipped



229

Granite Drill Bits



229

Hammer Drill Bits SDS+



230-231

Speedhammer™ Power Drill Bits



232

Diamond Drill Bits



232

Core Drills



233-234

Wood Flat Bits



234

Auger Drill Bits



234

Brad Point Drill Bits



235

Glass & Tile Drill Bits



235

Drill Accessories



235-237

Hole Saws & Accessories



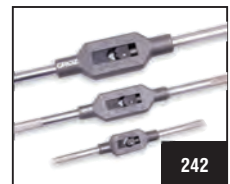
238

Tap & Die Sets



239-241

Taps & Dies



242

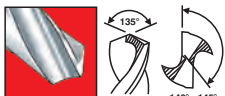
Tap & Die Accessories

Drill Bits, Augers, Taps & Dies

Drill Diameter (mm)	1,6	2,4	3,2	5,0	6,4	8,0	9,5	13,0
Drill Diameter (inch)	1/16"	3/32"	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"

<b>Die casting (zinc base) x 3.5</b>	10710	7175	5355	3570	2660	2135	1785	1330
<b>Aluminum x 2.5</b>	7650	5125	3825	2550	1900	1525	1275	950
<b>Brass x 2.0</b>	6120	4100	3060	2040	1520	1220	1020	760
<b>Bronze x 2.0</b>	6120	4100	3060	2040	1520	1220	1020	760
<b>Cast iron, soft x 1.15</b>	3519	2358	1760	1173	874	702	587	437
<b>Mild Steel (default RPM)</b>	3060	2050	1530	1020	760	610	510	380
<b>Malleable iron x .85</b>	2600	1743	1300	867	646	520	435	323
<b>Cast iron, hard x .80</b>	2448	1640	1224	816	608	488	408	304
<b>Tool steel x .60</b>	1836	1230	918	612	456	366	306	228
<b>Stainless steel x .30</b>	918	615	459	306	228	183	153	114
<b>Chilled cast iron x .20</b>	612	410	306	204	152	122	102	76
<b>Manganese steel x .15</b>	459	308	230	153	114	92	77	57

- Ground from solid high speed steel
- Type N, straight shank, jobber series
- Right-hand cut, with 135° split point tip, good true-running properties
- Excellent for non-ferrous metals which do not cold weld
- For drilling in commonly used materials up to approximately 1200N/mm<sup>2</sup> strength
- Such as steel and steel castings, sintered metal, non-ferrous metals, plastics and all woods



**Split Point**  
The split point reduces end thrust and optimises centre cutting efficiency. It is recommended for hard and high strength materials



STEEL



NON-FERROUS



SHEET



PLASTICS



WOOD



**Single Carded Packs**

Part No.	Ø mm	Length
FOX1428	1,0 mm	34,0 mm
FOX1429	1,2 mm	38,0 mm
FOX1431	1,5 mm	40,0 mm
FOX1433	1,8 mm	46,0 mm
FOX1435	2,0 mm	49,0 mm
FOX1437	2,2 mm	53,0 mm
FOX1439	2,5 mm	57,0 mm
FOX1441	2,8 mm	61,0 mm
FOX1430	3,0 mm	61,0 mm
FOX1432	3,2 mm	65,0 mm
FOX1434	3,5 mm	70,0 mm
FOX1443	3,8 mm	75,0 mm
FOX1436	4,0 mm	75,0 mm
FOX1438	4,2 mm	75,0 mm
FOX1440	4,5 mm	80,0 mm
FOX1442	4,8 mm	86,0 mm
FOX1444	5,0 mm	86,0 mm
FOX1446	5,2 mm	86,0 mm

**Packs of 10**

Part No.	Packing
FOX1304	10 Pack
FOX1306	10 Pack
FOX1308	10 Pack
FOX1310	10 Pack
FOX1312	10 Pack
FOX1314	10 Pack
FOX1316	10 Pack
FOX1318	10 Pack
FOX1320	10 Pack
FOX1325	10 Pack
FOX1330	10 Pack
FOX1333	10 Pack
FOX1335	10 Pack
FOX1340	10 Pack
FOX1345	10 Pack
FOX1350	10 Pack
FOX1355	10 Pack
FOX1360	10 Pack

**Single Carded Packs**

Part No.	Ø mm	Length
FOX1448	5,5 mm	93,0 mm
FOX1450	6,0 mm	93,0 mm
FOX1452	6,2 mm	101,0 mm
FOX1454	6,5 mm	101,0 mm
FOX1455	6,8 mm	109,0 mm
FOX1456	7,0 mm	109,0 mm
FOX1458	7,5 mm	109,0 mm
FOX1460	8,0 mm	117,0 mm
FOX1462	8,5 mm	117,0 mm
FOX1464	9,0 mm	125,0 mm
FOX1466	9,5 mm	125,0 mm
FOX1468	10,0 mm	133,0 mm
FOX1459	10,5 mm	133,0 mm
FOX1461	11,0 mm	142,0 mm
FOX1463	11,5 mm	142,0 mm
FOX1465	12,0 mm	151,0 mm
FOX1467	12,5 mm	151,0 mm
FOX1469	13,0 mm	151,0 mm

**Packs of 10**

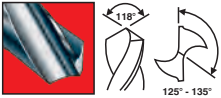
Part No.	Packing
FOX1365	10 Pack
FOX1370	10 Pack
FOX1375	10 Pack
FOX1380	10 Pack
FOX1382	10 Pack
FOX1385	10 Pack
FOX1390	10 Pack
FOX1395	10 Pack
FOX1400	10 Pack
FOX1405	10 Pack
FOX1410	10 Pack
FOX1415	10 Pack
FOX1417	5 Pack
FOX1419	5 Pack
FOX1421	5 Pack
FOX1423	5 Pack
FOX1425	5 Pack
FOX1427	5 Pack



- Available in convenient 5 & 10 packs or individually carded

- Standard Point is suitable for general purpose drilling
- Roll Forged High Speed Steel (HSS), Type N Straight Shank, Jobber Series
- Right hand cut with 118° point angle

- Special steam-initiated surface treatment
- For drilling in commonly used materials up to approximately 900 N/mm<sup>2</sup> strength
- Such as steel and steel castings and plastics where the cutting efficiency of a ground flute is not required



**Standard Point**  
This point is suitable for general purpose drilling

DIN 338



• Available in convenient 5 & 10 packs or individually carded



SINGLES			Sleeve		BULK PACKS		SINGLES			Sleeve		BULK PACKS		SINGLES			Sleeve		BULK PACKS																														
Part No.	Ø mm	Length	Part No.	Packing	Part No.	Ø mm	Length	Part No.	Ø mm	Length	Part No.	Packing	Part No.	Ø mm	Length	Part No.	Ø mm	Length	Part No.	Packing																													
FOX1010	1,0 mm	34,0 mm	FOX0010	10 Pack	FOX1041	4,1 mm	75,0 mm	-	-	FOX1070	7,0 mm	109,0 mm	FOX0070	10 Pack	FOX1012	1,2 mm	38,0 mm	FOX1075	7,5 mm	109,0 mm	FOX0075	10 Pack																											
FOX1015	1,5 mm	40,0 mm	FOX0015	10 Pack	FOX1045	4,5 mm	80,0 mm	FOX0045	10 Pack	FOX1080	8,0 mm	117,0 mm	FOX0080	10 Pack	FOX1018	1,8 mm	46,0 mm	FOX1085	8,5 mm	117,0 mm	FOX0085	10 Pack	FOX1020	2,0 mm	49,0 mm	FOX0020	10 Pack	FOX1090	9,0 mm	125,0 mm	FOX0090	10 Pack	FOX1022	2,2 mm	53,0 mm	FOX0022	10 Pack	FOX1095	9,5 mm	125,0 mm	FOX0095	10 Pack							
FOX1025	2,5 mm	57,0 mm	FOX0025	10 Pack	FOX1050	5,0 mm	86,0 mm	FOX0050	10 Pack	FOX1100	10,0 mm	133,0 mm	FOX0100	10 Pack	FOX1030	3,0 mm	61,0 mm	FOX0030	10 Pack	FOX1055	5,5 mm	93,0 mm	FOX0055	10 Pack	FOX1105	10,5 mm	133,0 mm	FOX0105	5 Pack	FOX1032	3,2 mm	65,0 mm	FOX0032	10 Pack	FOX1110	11,0 mm	142,0 mm	FOX0110	5 Pack	FOX1035	3,5 mm	70,0 mm	FOX0035	10 Pack	FOX1115	11,5 mm	142,0 mm	FOX0115	5 Pack
FOX1038	3,8 mm	75,0 mm	FOX0038	10 Pack	FOX1060	6,0 mm	93,0 mm	FOX0060	10 Pack	FOX1200	12,0 mm	151,0 mm	FOX0120	5 Pack	FOX1040	4,0 mm	75,0 mm	FOX0040	10 Pack	FOX1062	6,2 mm	101,0 mm	FOX0062	10 Pack	FOX1205	12,5 mm	151,0 mm	FOX0125	5 Pack	FOX1042	4,2 mm	75,0 mm	FOX0042	10 Pack	FOX1065	6,5 mm	101,0 mm	FOX0065	10 Pack	FOX1300	13,0 mm	151,0 mm	FOX0130	5 Pack					
					FOX1068	6,8 mm	109,0 mm	-	-																																								



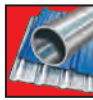
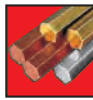
HSS PRO DRILL BITS

- HSS steel drill bit body manufactured from high quality HSS steel with steam oxide surface finish
- Manufactured to DIN 338 standards
- Designed for drilling a wide selection of materials
- Precision ground cutting edges for fast drilling and perfect finishing
- Ground flute for maximum accuracy and fast chip removal
- Cylindrical shank with universal 118° point shape for drilling a wide selection of materials



**Standard Point**  
This point is suitable for general purpose drilling

DIN 338



STEEL NON-FERROUS SHEET & PIPE



BULK PACKS				BULK PACKS				BULK PACKS				BULK PACKS			
Part No.	Ø mm	Length	Qty/Pack	Part No.	Ø mm	Length	Qty/Pack	Part No.	Ø mm	Length	Qty/Pack	Part No.	Qty/Pack		
IRW10502376	1.0	34	3pcs	IRW10502241	-	5.2	86	IRW10502283	7.0	109	10pcs	IRW10502336	5pcs		
-	1.2	38	-	IRW10502243	-	5.5	93	1pc	IRW10502286	7.5	109	10pcs	IRW10502341	5pcs	
IRW10502377	1.5	40	3pcs	IRW10502246	-	5.8	93	-	IRW10502289	8.0	117	10pcs	IRW10502346	5pcs	
-	1.8	46	-	IRW10502249	-	6.0	93	1pc	IRW10502291	8.5	117	10pcs	IRW10502351	5pcs	
IRW10502378	2.0	49	3pcs	IRW10502251	-	6.2	101	-	IRW10502293	9.0	125	10pcs	IRW10502356	5pcs	
-	2.2	53	-	IRW10502253	-	6.5	101	1pc	IRW10502296	9.5	125	10pcs	IRW10502361	5pcs	
IRW10502379	2.5	57	3pcs	IRW10502256	-	6.8	109	-	IRW10502299	10.0	133	10pcs	IRW10502366	5pcs	
-	2.8	61	-	IRW10502259	-	7.0	109	1pc	IRW10502301	10.5	133	10pcs	IRW10502371	5pcs	
IRW10502380	3.0	61	3pcs	IRW10502261	-	7.2	109	-	IRW10502303	11.0	142	5pcs	IRW10502376	5pcs	
IRW10502381	3.2	65	2pcs	IRW10502263	-	7.5	109	1pc	IRW10502306	11.5	142	5pcs	IRW10502381	5pcs	
-	3.3	65	-	IRW10502264	-	7.8	117	-	IRW10502309	12.0	151	5pcs	IRW10502386	5pcs	
IRW10502383	3.5	70	2pcs	IRW10502266	-	8.0	117	1pc	IRW10502311	12.5	151	5pcs	IRW10502391	5pcs	
-	3.8	75	-	IRW10502269	-	8.2	117	-	IRW10502313	13.0	151	5pcs	IRW10502396	5pcs	
IRW10502384	4.0	75	2pcs	IRW10502271	-	8.5	117	1pc	IRW10502316	13.5	151	5pcs	IRW10502401	5pcs	
-	4.1	75	-	IRW10502272	-	8.8	125	-	IRW10502319	14.0	151	5pcs	IRW10502406	5pcs	
IRW10502385	4.2	75	2pcs	IRW10502273	-	9.0	125	1pc	IRW10502321	14.5	151	5pcs	IRW10502411	5pcs	
IRW10502386	4.5	80	2pcs	IRW10502276	-	9.2	125	-	IRW10502323	15.0	151	5pcs	IRW10502416	5pcs	
-	4.8	86	-	IRW10502279	-	9.5	125	1pc	IRW10502326	15.5	151	5pcs	IRW10502421	5pcs	
IRW10502387	5.0	86	2pcs	IRW10502281	-	9.8	133	-	IRW10502329	16.0	151	5pcs	IRW10502426	5pcs	
								IRW10502397	10.0	133	1pc	IRW10502331	5pcs	IRW10502431	5pcs



## STRAIGHT SHANK JOBBER DRILLS - HSS

- Blue finish
- Split point
- For precision drilling



Part No.	Size	Part No.	Size	Part No.	Size	Part No.	Size
SOM1010300	3mm	SOM1010420	4.2mm	SOM1010520	5.2mm	SOM1010650	6.5mm
SOM1010320	3.2mm	SOM1010450	4.5mm	SOM1010550	5.5mm	SOM1010800	8mm
SOM1010350	3.5mm	SOM1010480	4.8mm	SOM1010580	5.8mm	SOM1010900	9mm
SOM1010400	4mm	SOM1010500	5mm	SOM1010600	6mm	SOM1011000	10mm
						SOM1011350	13.5mm



## DIY LIGHT INDUSTRIAL HSS STEEL - SETS

- Standard Point is suitable for general purpose drilling
- Roll Forged High Speed Steel (HSS), Type N Straight Shank, Jobber Series
- Right hand cut with 118° point angle
- Special steam-initiated surface treatment
- For drilling in commonly used materials up to approximately 900 N/mm<sup>2</sup> strength
- Such as steel and steel castings and plastics where the cutting efficiency of a ground flute is not required

Part No.	Size	Ø mm
FOX0133	19 Piece	1,0 mm - 10,0 mm
FOX0135	25 Piece	1,0 mm - 13,0 mm



FOX0133

FOX0135



## HSS PRO DRILL BITS SETS

- HSS steel drill bit body manufactured from high quality HSS steel with steam oxide surface finish
- Manufactured to DIN 338 standards
- Designed for drilling a wide selection of materials
- Precision ground cutting edges for fast drilling and perfect finishing
- Ground flute for maximum accuracy and fast chip removal
- Cylindrical shank with universal 118° point shape for drilling a wide selection of materials



Part No.	Description
IRW10502500	HSS Pro 19pcs Set, metal case (E1): 1.0 - 10.0mm in steps of 0.5mm
IRW10502504	HSS Pro 25pcs Set, metal case (G1): 1.0 - 13.0mm in steps of 0.5mm



## STRAIGHT SHANK JOBBER DRILL SET - HSS

- Blue Finish
- Split Point
- For precision drilling
- 25 Pieces



Part No.	Size
SOM1060040	1-13 x 0.5mm

## DIY LIGHT INDUSTRIAL HSS STEEL - REDUCED SHANK

- Roll Forged High Speed Steel (HSS), Type N Straight Shank, Jobber Series
- Right hand cut with 118° point angle
- Special steam-initiated surface treatment
- Due to the reduced shank these drills can be used in drilling machines with a smaller chuck
- For drilling in commonly used materials up to 900 N/mm<sup>2</sup> strength where the cutting efficiency of a ground flute is not required
- Can be used for steel, plastic, sheet & pipe



**Standard Point**  
This point is suitable for general purpose drilling

DIN 338



STEEL



PLASTICS



SHEET & PIPE



Part No.	Ø mm	Shank Ø mm	Overall Length
FOX1912	12,0 mm	8,0 mm	151,0 mm
FOX1913	13,0 mm	8,0 mm	151,0 mm
FOX1930	13,5 mm	8,0 mm	160,0 mm
FOX1914	14,0 mm	12,0 mm	160,0 mm
FOX1931	14,5 mm	12,0 mm	169,0 mm
FOX1915	15,0 mm	12,0 mm	169,0 mm
FOX1916	16,0 mm	12,0 mm	178,0 mm
FOX1917	17,0 mm	12,0 mm	184,0 mm

Part No.	Ø mm	Shank Ø mm	Overall Length
FOX1918	18,0 mm	12,0 mm	191,0 mm
FOX1919	19,0 mm	12,0 mm	198,0 mm
FOX1920	20,0 mm	12,0 mm	205,0 mm
FOX1921	21,0 mm	12,0 mm	160,0 mm
FOX1922	21,5 mm	12,0 mm	160,0 mm
FOX1923	22,0 mm	12,0 mm	160,0 mm
FOX1927	24,0 mm	12,0 mm	160,0 mm
FOX1929	25,0 mm	12,0 mm	160,0 mm

- Available individually carded only • All packs are clearly marked and are colour coded for easy identification



## HSS PRO DRILL BITS - REDUCED SHANK

- HSS steel drill bit body manufactured from high quality HSS steel with steam oxide surface finish
- Manufactured to DIN 338 standards
- Designed for drilling a wide selection of materials
- Precision ground cutting edges for fast drilling and perfect finishing
- Ground flute for maximum accuracy and fast chip removal
- Cylindrical shank with universal 118° point shape for drilling a wide selection of materials



**Standard Point**  
This point is suitable for general purpose drilling

DIN 338



STEEL



NON-FERROUS



SHEET & PIPE



Part No.	Ø mm	Length	Shank Ø	Qty/Pack
IRW10502398	10.5	133	10mm	1
IRW10502399	11.0	142	10mm	1
IRW10502400	11.5	142	10mm	1
IRW10502401	12.0	151	10mm	1
IRW10502402	12.5	151	10mm	1
IRW10502403	13.0	151	10mm	1
IRW10502404	13.5	160	10mm	1
IRW10502405	14.0	160	10mm	1
IRW10502406	14.5	169	10mm	1
IRW10502407	15.0	169	10mm	1

Part No.	Ø mm	Length	Shank Ø	Qty/Pack
IRW10502408	15.5	178	10mm	1
IRW10502409	16.0	178	10mm	1
IRW10502410	16.5	184	13mm	1
IRW10502411	17.0	184	13mm	1
IRW10502412	17.5	191	13mm	1
IRW10502413	18.0	191	13mm	1
IRW10502414	18.5	198	13mm	1
IRW10502415	19.0	198	13mm	1
IRW10502416	19.5	205	13mm	1
IRW10502417	20.0	205	13mm	1



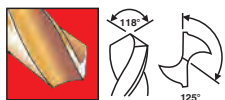
## REDUCED SHANK (ELECTRICIANS) DRILLS - HSS

- BLUE FINISH
- For general purpose drilling

Part No.	Size
SOM1751400	14mm
SOM1751500	15mm
SOM1751800	18mm



- Standard point is suitable for general purpose drilling
- High Speed Steel (HSS), Type N Morse Taper Shank
- Right hand cut with 118° point angle



**Standard Point**  
This point is suitable for general purpose drilling

**DIN 345**



STEEL



NON-FERROUS



SHEET



PLASTICS



WOOD

- For drilling in commonly used materials up to approximately 1200 N/mm<sup>2</sup> strength such as steel and steel castings, sintered metal, non ferrous metals, plastics and all woods
- Available in individual PVC protective boxes

**MORSE TAPER No. 1**



Part No.	Ø mm	Overall Length	Morse Taper Shank
FOX6000	10,0 mm	168 mm	1
FOX6003	11,0 mm	175 mm	1
FOX6010	12,0 mm	182 mm	1

Part No.	Ø mm	Overall Length	Morse Taper Shank
FOX6015	13,0 mm	182 mm	1
FOX6020	13,5 mm	189 mm	1
FOX6025	14,0 mm	189 mm	1

**MORSE TAPER No. 2**



Part No.	Ø mm	Overall Length	Morse Taper Shank
FOX6030	14,5 mm	212 mm	2
FOX6035	15,0 mm	212 mm	2
FOX6040	15,5 mm	218 mm	2
FOX6045	16,0 mm	218 mm	2
FOX6050	16,5 mm	223 mm	2
FOX6055	17,0 mm	223 mm	2
FOX6060	17,5 mm	228 mm	2
FOX6065	18,0 mm	228 mm	2

Part No.	Ø mm	Overall Length	Morse Taper Shank
FOX6070	18,5 mm	233 mm	2
FOX6075	19,0 mm	233 mm	2
FOX6080	19,5 mm	238 mm	2
FOX6085	20,0 mm	238 mm	2
FOX6090	20,5 mm	243 mm	2
FOX6095	21,0 mm	243 mm	2
FOX6105	22,0mm	243 mm	2
FOX6115	23,0 mm	253 mm	2

**MORSE TAPER No. 3**



Part No.	Ø mm	Overall Length	Morse Taper Shank
FOX6125	24,0 mm	281 mm	3
FOX6135	25,0 mm	281 mm	3
FOX6145	26,0 mm	286 mm	3

Part No.	Ø mm	Overall Length	Morse Taper Shank
FOX6155	27,0 mm	291 mm	3
FOX6165	28,0 mm	291 mm	3
FOX6185	30,0 mm	296 mm	3

**MORSE TAPER No. 4**



Part No.	Ø mm	Overall Length	Morse Taper Shank
FOX6200	32,0 mm	334 mm	4



**MORSE TAPER SHANK DRILLS - HSS**

- BLUE FINISH
- For general purpose drilling



Part No.	Size	Part No.	Size
SOM2011200	12mm	SOM2022000	20mm
SOM2021600	16mm	SOM2022100	21mm
SOM2021700	17mm	SOM2022200	22mm
SOM2021800	18mm	SOM2032400	24mm
SOM2021900	19mm	SOM2032500	25mm
		SOM2033000	30mm

**MORSE TAPER GUIDELINES**

Morse Taper Number	Taper / mm on Ø	Included Angle			Angle to Centre Line		
		Deg.	Mins.	Secs.	Deg.	Mins.	Secs.
1	0,049881	2	51	27	1	25	43
2	0,049951	2	51	41	1	25	50
3	0,050196	2	52	31	1	26	15
4	0,051938	2	58	31	1	29	15
5	0,052626	3	0	52	1	30	26
6	0,052137	2	59	12	1	29	36

## GROZ DRILL SLEEVE (MORSE)

- Drill sleeves are used to adapt smaller morse taper shank tools to larger machine spindles
- The concentricity and taper angles are precisely controlled which allows perfect locking and concentric movement to the tool held
- Manufactured from Carbon Steel, these are ground on the outside and have a reamed finish on the inside
- Tang is fully hardened
- Permanent marking of size on the tang ensures convenience in use

Part No.	Morse Taper Inside	Morse Taper Outside	Length
GRO1860	1	2	92mm
GRO1865	2	3	112mm
GRO1870	3	4	140mm
GRO1875	4	5	171mm



## GROZ DRILL CHUCK ARBOR (DIN238)

- Drill chuck arbors are used to mount a drill chuck or any other tool which has a male taper onto a machine such as a drilling machine which has a female taper shank socket in its work head
- Manufactured from selected case hardened Hi-Tensile Steel (20 MnCr5/SAE8620)
- All arbors are case hardened to 54-58 HRC for increased resistance to wear
- Precise grinding to very close tolerance with concentricity controlled to within 0.0004" (10 Microns) and accurately gauged self locking tapers ensure close tolerance fit

Part No.	Chuck Mount	Morse Taper
GRO0505	B12	2
GRO0510	B16	2
GRO0515	B16	3
GRO0525	B18	2



## GROZ DRILL DRIFT KEYS

- Drop forged from specially drawn medium carbon steel, these drift keys are accurately hardened for increased resistance to wear
- Used for conveniently removing taper shank drills and reamers from sleeves and sockets
- Premium shot blast finish with permanent marking of size for easy identification



Part No.	Morse Taper	Length
GRO1780	1 & 2	140mm
GRO1785	3	190mm

## SOMTA CENTRE DRILLS TYPE A - HSS

- Bright Finish
- For general centering operations on workpieces requiring additional machining between centres

Part No.	Size
SOM1150159	BS2
SOM1150238	BS3
SOM1150318	BS4
SOM1150476	BS5
SOM1150635	BS6



## IRWIN VORTEX UNIBIT - STEPPED DRILLING BITS

- Single cutting edge creates perfectly round holes
- Use on metal, wood plastic and other thin materials
- Industrial grade high speed molybdenum steel
- Heat treated and tempered for long life
- Self starting tip, no centre punch needed
- Multiple hole size
- 3 sided shank wont slip in drill chuck
- 9 Hole sizes
- Step thickness 5mm x 1mm increments
- Shank size 6.35 mm
- Perfect all round bit for most drilling jobs



Part No.	Ref	Size
PET2000	1M	4-12mm

## IRWIN VORTEX UNIBIT - STEPPED DRILLING BITS

- Single cutting edge creates perfectly round holes
- Use on metal, wood plastic and other thin materials
- Industrial grade high speed molybdenum steel
- Heat treated and tempered for long life
- Self starting tip, no centre punch needed
- Multiple hole size
- 3 sided shank wont slip in drill chuck
- 7 Hole sizes
- Step thickness 5mm x 2mm increments
- Shank size 10mm
- Good choice for cutting medium sized holes quickly and easily



Part No.	Ref	Size
PET2040	3M	6-18mm

## IRWIN VORTEX UNIBIT - STEPPED DRILLING BITS

- Single cutting edge creates perfectly round holes
- Use on metal, wood plastic and other thin materials
- Industrial grade high speed molybdenum steel
- Heat treated and tempered for long life
- Self starting tip, no centre punch needed
- Multiple hole size
- 3 sided shank wont slip in drill chuck
- 10 Hole sizes
- Step thickness 5mm x 2mm increments
- Shank size 10mm
- A wide range of the most popular and practical drill size



Part No.	Ref	Size
PET2050	4M	4-22mm

## IRWIN VORTEX UNIBIT - STEPPED DRILLING BITS

- A HSS Multi-step drill bit
- Use in an electric hand drill or drill-press
- Has 1/2" shank
- Drill diameters are stepped
- Extremely useful for sheet metal (only) as offers 13 sizes in one bit



Part No.	Range	Sizes
PET2070	5-35mm	5;7,5;10;13;16;19;21;23;26;29;31;33;35 mm





## PROFESSIONAL INDUSTRIAL HSS COBALT DRILLS

- Ground from solid M35 high speed steel which contains 5% cobalt
- Type N straight shank, jobber series
- Right hand cut with 135° split point tip, starts on contact and cuts with less force
- For drilling in commonly used materials up to 1500 N/mm<sup>2</sup> in strength

- For use where higher production rates are required
- Cobalt steel, extends cutting edge life, and is extra hard for greater wear resistance
- The split point reduces end thrust and optimises centre cutting efficiency
- It is recommended for hard and high strength materials. Stainless steel, non ferrous, steel, sheet



**Split Point**  
The split point reduces end thrust and optimises centre cutting efficiency. It is recommended for hard and high strength materials

DIN 338



STAINLESS



NON-FERROUS



STEEL



SHEET



- Available individually carded only.
- All packs are clearly marked and are colour coded for easy identification.

Part No.	Ø mm	Overall Length
FOX7000	1,0 mm	34,0 mm
FOX7005	1,5 mm	40,0 mm
FOX7010	2,0 mm	49,0 mm
FOX7015	2,5 mm	57,0 mm
FOX7020	3,0 mm	61,0 mm
FOX7025	3,2 mm	65,0 mm
FOX7030	3,3 mm	65,0 mm
FOX7035	3,5 mm	70,0 mm
FOX7040	4,0 mm	75,0 mm
FOX7045	4,2 mm	75,0 mm
FOX7050	4,5 mm	80,0 mm

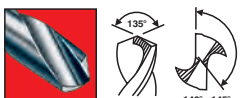
Part No.	Ø mm	Overall Length
FOX7055	4,8 mm	86,0 mm
FOX7060	5,0 mm	86,0 mm
FOX7065	5,5 mm	93,0 mm
FOX7070	6,0 mm	93,0 mm
FOX7075	6,5 mm	101,0 mm
FOX7080	6,8 mm	109,0 mm
FOX7085	7,0 mm	109,0 mm
FOX7090	7,5 mm	109,0 mm
FOX7095	8,0 mm	117,0 mm
FOX7100	8,5 mm	117,0 mm

Part No.	Ø mm	Overall Length
FOX7105	9,0 mm	125,0 mm
FOX7110	9,5 mm	125,0 mm
FOX7115	10,0 mm	133,0 mm
FOX7120	10,2 mm	133,0 mm
FOX7125	10,5 mm	133,0 mm
FOX7130	11,0 mm	142,0 mm
FOX7135	11,5 mm	142,0 mm
FOX7140	12,0 mm	151,0 mm
FOX7145	12,5 mm	151,0 mm
FOX7150	13,0 mm	151,0 mm



## PROFESSIONAL HSS DOUBLE END STUB

- Ground from solid high speed steel
- Double-ended twist drill without chamfer, right-hand cut
- 135° split point tip reduces end thrust and optimizes centre cutting efficiency
- Recommended for hard and high strength materials
- Special steam initiated surface treatment
- For drilling holes in sheet metal, tubular sections and plastics for rivet holes



**Split Point**  
The split point reduces end thrust and optimises centre cutting efficiency. It is recommended for hard and high strength materials



SHEET



PLASTICS



RIVETING



## DOUBLE ENDED SHEET METAL DRILLS/BODY DRILLS - HSS

- BLUE FINISH
- Double ended self centering drill designed to produce accurate holes in thin materials



Part No.	Size	Part No.	Size
SOM1510300	3mm	SOM1510420	4.2mm
SOM1510320	3.2mm	SOM1510450	4.5mm
SOM1510330	3.3mm	SOM1510480	4.8mm
SOM1510400	4.0mm	SOM1510490	4.9mm
SOM1510410	4.1mm	SOM1510500	5.0mm
		SOM1510550	5.5mm



Part No.			BULK PACKS	
Part No.	Ø mm	Length	Part No.	Packing
FOX1940	3,2 mm	49,0 mm	FOX2000	10 Pack
FOX1945	3,3 mm	49,0 mm	FOX2010	10 Pack
-	3,5 mm	52,0 mm	FOX2020	10 Pack
FOX1955	4,0 mm	55,0 mm	FOX2030	10 Pack
FOX1960	4,1 mm	55,0 mm	FOX2040	10 Pack
FOX1965	4,2 mm	55,0 mm	FOX2050	10 Pack
FOX1970	4,8 mm	62,0 mm	FOX2060	10 Pack
FOX1973	4,9 mm	62,0 mm	FOX2065	10 Pack
-	5,0 mm	62,0 mm	FOX2080	10 Pack
FOX1975	5,2 mm	62,0 mm	FOX2070	10 Pack
-	6,0 mm	62,0 mm	FOX2090	10 Pack





## 2 FLUTE END MILLS - HSS

- Regular Length
- Threaded Shank
- Milling keyways and slots to size in one cut
- Designed for plunging operations



Part No.	Size	Part No.	Size
SOM3210300	3mm	SOM3211200	12mm
SOM3210400	4mm	SOM3211400	14mm
SOM3210500	5mm	SOM3211600	16mm
SOM3210600	6mm	SOM3211800	18mm
SOM3210800	8mm	SOM3212000	20mm
SOM3211000	10mm		



## MULTI-FLUTE END MILLS - HSS

- Regular length
- Threaded shank
- For profile milling



Part No.	Size	Part No.	Size
SOM3010300	3mm	SOM3011200	12mm
SOM3010400	4mm	SOM3011400	14mm
SOM3010500	5mm	SOM3011600	16mm
SOM3010600	6mm	SOM3011800	18mm
SOM3010800	8mm	SOM3012000	20mm
SOM3011000	10mm		



## CORE DRILL CUTTERS

- Perfect start without sliding out of position
- Conical polished inside surface
- Precise centre pilot fitting, more accurate
- Polished clamp surface
- Faster, because each tooth cuts
- Stronger, therefore less breakage
- Much longer standing time
- Guaranteed discharge of the slug



### CUTTERS - LONG SERIES (60mm) "WELDON SHANK"

Part No.	Description	Part No.	Description
HTCEUR12L	12mm EUR	HTCEUR37L	37mm EUR
HTCEUR13L	13mm EUR	HTCEUR38L	38mm EUR
HTCEUR14L	14mm EUR	HTCEUR39L	39mm EUR
HTCEUR15L	15mm EUR	HTCEUR40L	40mm EUR
HTCEUR16L	16mm EUR	HTCEUR41L	41mm EUR
HTCEUR17L	17mm EUR	HTCEUR43L	43mm EUR
HTCEUR18L	18mm EUR	HTCEUR44L	44mm EUR
HTCEUR19L	19mm EUR	HTCEUR45L	45mm EUR
HTCEUR20L	20mm EUR	HTCEUR46L	46mm EUR
HTCEUR21L	21mm EUR	HTCEUR47L	47mm EUR
HTCEUR22L	22mm EUR	HTCEUR48L	48mm EUR
HTCEUR23L	23mm EUR	HTCEUR49L	49mm EUR
HTCEUR24L	24mm EUR	HTCEUR50L	50mm EUR
HTCEUR25L	25mm EUR	HTCEUR51L	51mm EUR
HTCEUR26L	26mm EUR	HTCEUR52L	52mm EUR
HTCEUR27L	27mm EUR	HTCEUR53L	53mm EUR
HTCEUR28L	28mm EUR	HTCEUR54L	54mm EUR
HTCEUR29L	29mm EUR	HTCEUR55L	55mm EUR
HTCEUR30L	30mm EUR	HTCEUR56L	56mm EUR
HTCEUR31L	31mm EUR	HTCEUR57L	57mm EUR
HTCEUR32L	32mm EUR	HTCEUR58L	58mm EUR
HTCEUR33L	33mm EUR	HTCEUR59L	59mm EUR
HTCEUR34L	34mm EUR	HTCEUR60L	60mm EUR
HTCEUR36L	36mm EUR		

### CUTTERS - SHORT SERIES (30mm) "WELDON SHANK"

Part No.	Description	Part No.	Description
HTCEUR12S	12mm EUR	HTCEUR36S	36mm EUR
HTCEUR13S	13mm EUR	HTCEUR37S	37mm EUR
HTCEUR14S	14mm EUR	HTCEUR38S	38mm EUR
HTCEUR15S	15mm EUR	HTCEUR39S	39mm EUR
HTCEUR16S	16mm EUR	HTCEUR40S	40mm EUR
HTCEUR17S	17mm EUR	HTCEUR41S	41mm EUR
HTCEUR18S	18mm EUR	HTCEUR42S	42mm EUR
HTCEUR19S	19mm EUR	HTCEUR43S	43mm EUR
HTCEUR20S	20mm EUR	HTCEUR44S	44mm EUR
HTCEUR21S	21mm EUR	HTCEUR45S	45mm EUR
HTCEUR22S	22mm EUR	HTCEUR46S	46mm EUR
HTCEUR23S	23mm EUR	HTCEUR47S	47mm EUR
HTCEUR24S	24mm EUR	HTCEUR48S	48mm EUR
HTCEUR25S	25mm EUR	HTCEUR49S	49mm EUR
HTCEUR26S	26mm EUR	HTCEUR50S	50mm EUR
HTCEUR27S	27mm EUR	HTCEUR51S	51mm EUR
HTCEUR28S	28mm EUR	HTCEUR52S	52mm EUR
HTCEUR29S	29mm EUR	HTCEUR53S	53mm EUR
HTCEUR30S	30mm EUR	HTCEUR54S	54mm EUR
HTCEUR31S	31mm EUR	HTCEUR55S	55mm EUR
HTCEUR32S	32mm EUR	HTCEUR56S	56mm EUR
HTCEUR33S	33mm EUR	HTCEUR57S	57mm EUR
HTCEUR34S	34mm EUR	HTCEUR58S	58mm EUR
HTCEUR35S	35mm EUR	HTCEUR59S	59mm EUR
		HTCEUR60S	60mm EUR



## TCT CORE DRILL CUTTERS

### TCT CUTTERS - LONG SERIES (50mm) "WELDON SHANK"

Part No.	Description	Part No.	Description
HTCEURTCT51L	51mm TCT EUR+	HTCEURTCT62L	62mm TCT EUR+
HTCEURTCT52L	52mm TCT EUR+	HTCEURTCT63L	63mm TCT EUR+
HTCEURTCT53L	53mm TCT EUR+	HTCEURTCT64L	64mm TCT EUR+
HTCEURTCT54L	54mm TCT EUR+	HTCEURTCT65L	65mm TCT EUR+
HTCEURTCT55L	55mm TCT EUR+	HTCEURTCT70L	70mm TCT EUR+
HTCEURTCT56L	56mm TCT EUR+	HTCEURTCT75L	75mm TCT EUR+
HTCEURTCT57L	57mm TCT EUR+	HTCEURTCT80L	80mm TCT EUR+
HTCEURTCT58L	58mm TCT EUR+	HTCEURTCT85L	85mm TCT EUR+
HTCEURTCT59L	59mm TCT EUR+	HTCEURTCT90L	90mm TCT EUR+
HTCEURTCT60L	60mm TCT EUR+	HTCEURTCT95L	95mm TCT EUR+
HTCEURTCT61L	61mm TCT EUR+	HTCEURTCT100L	100mm TCT EUR+



Double action teeth

- Masonry Point is suitable for plaster, screed and brick
- A tough drill for rotary drilling with or without percussion
- High temperature brazing of the carbide tip, galvanised finish

- For sandstone, masonry, lightweight building materials and similar
- After centre punching this drill is also suitable for ceramic tiles



**Masonry Point**  
This point is suitable for plaster, screed and brick



PLASTER



BRICK



NO HAMMER ACTION

- Available individually carded only.
- All packs are clearly marked and are colour coded for easy identification.



Part No.	Ø mm	Overall Length
FOX1500	3,0 mm	75,0 mm
FOX1510	4,0 mm	75,0 mm
FOX1520	4,5 mm	85,0 mm
FOX1530	5,0 mm	85,0 mm
FOX1540	5,5 mm	85,0 mm
FOX1550	6,0 mm	100,0 mm
FOX1560	6,0 mm	300,0 mm
FOX1570	6,5 mm	100,0 mm
FOX1580	7,0 mm	100,0 mm
FOX1590	8,0 mm	100,0 mm
FOX1600	8,0 mm	400,0 mm

Part No.	Ø mm	Overall Length
FOX1610	9,0 mm	120,0 mm
FOX1620	10,0 mm	400,0 mm
FOX1630	10,0 mm	150,0 mm
FOX1640	11,0 mm	150,0 mm
FOX1650	12,0 mm	150,0 mm
FOX1660	13,0 mm	150,0 mm
FOX1670	13,0 mm	400,0 mm
FOX1680	14,0 mm	150,0 mm
FOX1690	15,0 mm	150,0 mm
FOX1700	16,0 mm	150,0 mm

Part No.	Ø mm	Overall Length
FOX1710	16,0 mm	400,0 mm
FOX1715	18,0 mm	160,0 mm
FOX1720	19,0 mm	160,0 mm
FOX1730	20,0 mm	400,0 mm
FOX1740	20,0 mm	160,0 mm
FOX1750	22,0 mm	160,0 mm
FOX1760	22,0 mm	400,0 mm
FOX1770	24,0 mm	160,0 mm
FOX1780	25,0 mm	160,0 mm
FOX1790	25,0 mm	400,0 mm



MASONRY DRILL BITS - STRAIGHT SHANK ROTARY PERCUSSION

- Improved carbide tip design ensures durable and fast drilling in all masonry materials
- Aggressive head design for 15% Speed advantage over competition
- Now 20% more life vs. previous version
- Single flute design giving maximum space for dust removal and provides a 60% faster dust removal.



Part No.	Ø mm	Overall Length mm
IRW10501812	3.0	70
IRW10501814	4.0	80
IRW10501815	4.0	160
IRW10501817	5.0	90
IRW10501818	5.0	160
IRW10501819	5.5	95
IRW10501820	5.5	160
IRW10501821	6.0	100
IRW10501822	6.0	160
IRW10501823	6.0	330
IRW10501824	6.0	400
IRW10501826	6.5	105
IRW10501827	6.5	160
IRW10501829	6.5	400
IRW10501830	7.0	110
IRW10501831	7.0	160
IRW10501834	8.0	120
IRW10501835	8.0	160
IRW10501836	8.0	200
IRW10501837	8.0	330
IRW10501838	8.0	400
IRW10501839	8.0	600
IRW10501841	9.0	130
IRW10501846	10.0	140
IRW10501847	10.0	160
IRW10501848	10.0	200
IRW10501849	10.0	330

Part No.	Ø mm	Overall Length mm
IRW10501850	10.0	400
IRW10501851	10.0	600
IRW10501853	11.0	160
IRW10501854	12.0	160
IRW10501855	12.0	330
IRW10501856	12.0	400
IRW10501857	12.0	600
IRW10501859	13.0	160
IRW10501861	13.0	400
IRW10501862	14.0	160
IRW10501863	14.0	330
IRW10501864	14.0	400
IRW10501865	14.0	600
IRW10501866	15.0	160
IRW10501867	16.0	160
IRW10501868	16.0	330
IRW10501869	16.0	400
IRW10501870	16.0	600
IRW10501873	18.0	160
IRW10501874	18.0	400
IRW10501875	18.0	600
IRW10501878	20.0	160
IRW10501879	20.0	330
IRW10501880	20.0	400
IRW10501881	20.0	600
IRW10501882	22.0	160
IRW10501884	22.0	400
IRW10501885	24.0	160
IRW10501887	25.0	330

MASONRY



MASONRY DRILL BIT CASSETTES

Part No.	Description
IRW10501892	5pcs Set: 4/5/6/8/10mm
IRW10501893	7pcs Set: 4/5/6/7/8/10/12mm



## CORDLESS MULTI DRILL BITS - STRAIGHT SHANK - ROTARY DRILLING ONLY

- Hardest carbide grade and unique point grinding for fast drilling into most common materials and hardest common materials and hardest tiles (scratch hardness 9)
- Single flute design giving maximum space for dust removal. Up to 15% Speed advantage over competition. 10% more holes per battery charge.



Part No.	Ø mm	Overall Length mm
IRW10501921	4.0	80
IRW10501922	5.0	90
IRW10501923	5.5	95
IRW10501925	6.0	100
IRW10501927	6.0	200
IRW10501928	6.5	105
IRW10501930	7.0	110
IRW10501932	8.0	120
IRW10501933	8.0	200
IRW10501934	10.0	140
IRW10501935	10.0	200
IRW10501936	12.0	160
IRW10501937	14.0	160



### CORDLESS MULTI DRILL BIT CASSETTE

Part No.	Description
IRW10501938	5pcs Set : 4, 5, 6, 8, 10mm

**CORDLESS MULTI**

**One drill bit for every need!**



Low RPM.  
High pressure.  
No hammer action.



## PROFESSIONAL CONCRETE, CARBIDE TIPPED

- Concrete Point is suitable for masonry and concrete
- Hardened rotary percussion drill
- High temperature brazing of the carbide tip
- For concrete, stone, masonry, and similar materials
- After centre punching this drill is also suitable for ceramic tiles



**Concrete Point**  
This point is suitable for masonry and concrete



PLASTER



CONCRETE



BRICK

- Available individually carded only.
- All packs are clearly marked and are colour coded for easy identification.



Code	Size	Length
FOX5700	3,0 mm	75,0 mm
FOX5703	3,5 mm	60,0 mm
FOX5705	4,0 mm	75,0 mm
FOX5708	4,5 mm	75,0 mm
FOX5710	5,0 mm	85,0 mm
FOX5713	5,5 mm	85,0 mm
FOX5715	6,0 mm	100,0 mm
FOX5720	7,0 mm	100,0 mm

Code	Size	Length
FOX5725	8,0 mm	100,0 mm
FOX5730	8,0 mm	400,0 mm
FOX5735	9,0 mm	120,0 mm
FOX5740	10,0 mm	150,0 mm
FOX5745	10,0 mm	400,0 mm
FOX5750	12,0 mm	150,0 mm
FOX5755	12,0 mm	400,0 mm
FOX5765	13,0 mm	400,0 mm

Code	Size	Length
FOX5770	14,0 mm	150,0 mm
FOX5775	14,0 mm	400,0 mm
FOX5780	16,0 mm	150,0 mm
FOX5785	16,0 mm	400,0 mm
FOX5790	18,0 mm	160,0 mm
FOX5795	18,0 mm	400,0 mm
FOX5800	20,0 mm	160,0 mm
FOX5805	20,0 mm	400,0 mm
FOX5820	22,0 mm	400,0 mm



## GRANITE DRILL BITS - STRAIGHT SHANK ROTARY PERCUSSION

- For percussion drilling in very hard materials such as granite
- Extremely hard and wear resistant carbide tip guarantees up to 40% more holes compared to conventional masonry drill bits
- Stone masons favour this product for impact drilling of natural stone like granite
- Special shaped cutting edges mean higher durability resulting in 50% more accurately sized holes per drill bit



Part No.	Ø mm	Overall Length mm
IRW10501894	3.0	70
IRW10501896	4.0	80
IRW10501897	5.0	90
IRW10501898	5.0	160
IRW10501900	5.5	160
IRW10501901	6.0	100
IRW10501902	6.0	160
IRW10501904	6.5	160
IRW10501905	7.0	110
IRW10501906	7.0	160
IRW10501907	8.0	120
IRW10501908	8.0	200
IRW10501911	10.0	140
IRW10501912	10.0	200
IRW10501916	14.0	160



**GRANITE**

Designed for percussion drilling in very hard materials

### GRANITE DRILL BIT CASSETTES

Part No.	Description
IRW10501917	5pcs Set : 4, 5, 6, 8, 10mm
IRW10501918	7pcs Set : 4, 5, 6, 7, 8, 10, 12mm



## PROFESSIONAL HAMMER DRILL BITS - SDS+

- A tough drill for rotary drilling with or without percussion. High temperature brazing of the carbide tip, galvanised finish. For sandstone, masonry, lightweight building materials and similar. After centre punching this drill is also suitable for ceramic tiles. Available individually carded only.



PLASTER



BRICK



CONCRETE



Part No.	Ø mm	Overall Length	Working Length
FOX4500	5,0 mm	110,0 mm	50,0 mm
FOX4505	5,0 mm	160,0 mm	100,0 mm
FOX4510	5,0 mm	210,0 mm	150,0 mm
FOX4530	6,0 mm	110,0 mm	50,0 mm
FOX4535	6,0 mm	210,0 mm	150,0 mm
FOX4540	6,0 mm	160,0 mm	100,0 mm
FOX4550	7,0 mm	160,0 mm	100,0 mm
FOX4555	7,0 mm	210,0 mm	150,0 mm
FOX4580	8,0 mm	160,0 mm	100,0 mm
FOX4590	8,0 mm	210,0 mm	150,0 mm
FOX4600	8,0 mm	450,0 mm	400,0 mm

Part No.	Ø mm	Overall Length	Working Length
FOX4645	10,0 mm	110,0 mm	50,0 mm
FOX4650	10,0 mm	160,0 mm	100,0 mm
FOX4660	10,0 mm	210,0 mm	150,0 mm
FOX4680	10,0 mm	450,0 mm	400,0 mm
FOX4720	12,0 mm	160,0 mm	100,0 mm
FOX4730	12,0 mm	210,0 mm	150,0 mm
FOX4735	12,0 mm	260,0 mm	200,0 mm
FOX4738	12,0 mm	300,0 mm	250,0 mm
FOX4740	12,0 mm	450,0 mm	400,0 mm
FOX4760	13,0 mm	160,0 mm	100,0 mm
FOX4765	13,0 mm	260,0 mm	200,0 mm
FOX4775	13,0 mm	450,0 mm	400,0 mm
FOX4800	14,0 mm	160,0 mm	100,0 mm

Part No.	Ø mm	Overall Length	Working Length
FOX4810	14,0 mm	210,0 mm	150,0 mm
FOX4820	14,0 mm	260,0 mm	200,0 mm
FOX4830	14,0 mm	450,0 mm	400,0 mm
FOX4875	16,0 mm	160,0 mm	100,0 mm
FOX4880	16,0 mm	210,0 mm	150,0 mm
FOX4885	16,0 mm	300,0 mm	250,0 mm
FOX4900	16,0 mm	450,0 mm	400,0 mm
FOX4920	18,0 mm	210,0 mm	150,0 mm
FOX4930	18,0 mm	310,0 mm	250,0 mm
FOX4950	18,0 mm	450,0 mm	400,0 mm
FOX4980	20,0 mm	300,0 mm	250,0 mm
FOX5000	20,0 mm	450,0 mm	400,0 mm
FOX5100	25,0 mm	450,0 mm	400,0 mm



## SPEEDHAMMER™ POWER DRILL BITS

- The new range of Speedhammer™ POWER drill bits is the most powerful yet
- The unique tip design with 2X more carbide is optimized for fast, continuous drilling, even through reinforced concrete, delivering superior performance and 2X longer life
- It easily powers through 2X more concrete and rebar than traditional masonry bits
- Maximized Flute for faster, more efficient dust removal and extended life
- Optimal Groove Design minimizes friction for increased speed and longer life
- Premium Steel (from 5 to 7mm 34CrNiMo6 Steel and from 8 to 20mm 50CrV4 Steel) provides improved core strength for maximum durability and extended life
- Blue Power Ring for easier identification in the toolbox



Part No.	Ø mm	Overall Length mm
IRW10507124	5.0	110
IRW10507125	5.0	160
IRW10507126	6.0	110
IRW10507127	6.0	160
IRW10507128	6.0	210
IRW10507129	6.0	260
IRW10507133	6.5	260
IRW10507134	7.0	160
IRW10507136	8.0	110
IRW10507137	8.0	160
IRW10507138	8.0	210
IRW10507139	8.0	260
IRW10507142	10.0	110
IRW10507143	10.0	160
IRW10507144	10.0	210
IRW10507145	10.0	260
IRW10507148	12.0	160
IRW10507149	12.0	210
IRW10507150	12.0	260
IRW10507154	14.0	210
IRW10507156	14.0	300
IRW10507159	16.0	210
IRW10507160	16.0	300



\*vs Speedhammer Plus



### Longest lasting Irwin® Hammer Drill Bit ever



## SPEEDHAMMER™ MAX DRILL BITS 2 CUTTING EDGES

- IRWIN® tip design enhances dust removal and provides symmetrical holes
- Head takes 80% of the workload, ensuring higher durability, speed and rebar performance
- 53° drilling head design means more aggressive cutting and faster dust removal for overall faster performance
- Four-cutter tips for less vibration, faster drilling, rounder holes and better anchoring
- Single Flute design for faster dust removal and increased drilling speed
- Shank fits in all SDS Max Hammer Machines



Part No.	Ø mm	Overall Length mm
IRW10502092	12.0	340
IRW10502093	12.0	540
IRW10502094	12.0	690
IRW10502095	14.0	340
IRW10502096	14.0	540
IRW10502097	15.0	340
IRW10502098	15.0	540



2-cutter Head



### Designed for tougher tasks!



## SPEEDHAMMER™ MAX DRILL BITS 4 CUTTING EDGES

Part No.	Ø mm	Overall Length mm
IRW10502099	16.0	340
IRW10502100	16.0	540
IRW10502101	18.0	340
IRW10502102	18.0	540
IRW10502103	20.0	320
IRW10502104	20.0	520
IRW10502106	22.0	320
IRW10502107	22.0	520
IRW10502109	24.0	320

Part No.	Ø mm	Overall Length mm
IRW10502110	24.0	520
IRW10502111	25.0	320
IRW10502112	25.0	520
IRW10502115	28.0	370
IRW10502116	28.0	570
IRW10502117	28.0	670
IRW10502118	30.0	370
IRW10502119	30.0	570
IRW10502120	32.0	370

Part No.	Ø mm	Overall Length mm
IRW10502121	32.0	570
IRW10502123	35.0	370
IRW10502124	35.0	570
IRW10502125	35.0	670
IRW10502126	38.0	370
IRW10502127	38.0	570
IRW10502128	40.0	370
IRW10502129	40.0	570
IRW10502130	40.0	920



4-cutter Head

Drill Bits, Augers, Taps & Dies



## SPEEDHAMMER™ PLUS DRILL BITS

- IRWIN® carbide tip controlled self centering when starting holes; aggressive angles for faster drilling
- Short drill head forces drilling dust into flute
- Unique flute design for rapid dust removal, reduces clogging and increases penetration speed

- 140° cutting tip provides more cutting surface than competitor's tip, reduces breakout in through-hole applications; centering point prevents walking
- Designed for drilling in brick, block, masonry, concrete and granite



Part No.	Ø mm	Overall Length mm
IRW10501943	4.0	110
IRW10501944	4.0	160
IRW10501945	5.0	110
IRW10501946	5.0	160
IRW10501947	5.0	210
IRW10501949	5.5	110
IRW10501950	5.5	160
IRW10501951	5.5	210
IRW10501952	5.5	260
IRW10501953	5.5	300
IRW10501954	6.0	110
IRW10501955	6.0	160
IRW10501956	6.0	210
IRW10501957	6.0	260
IRW10501958	6.0	300
IRW10501959	6.0	460
IRW10501960	6.5	110
IRW10501961	6.5	160
IRW10501962	6.5	210
IRW10501963	6.5	260
IRW10501964	7.0	110
IRW10501965	7.0	160
IRW10501966	7.0	210
IRW10501968	8.0	110
IRW10501969	8.0	160
IRW10501970	8.0	210
IRW10501971	8.0	260
IRW10501972	8.0	300
IRW10501973	8.0	460
IRW10501975	9.0	160
IRW10501976	9.0	210

Part No.	Ø mm	Overall Length mm
IRW10501977	9.5	160
IRW10501978	10.0	110
IRW10501979	10.0	160
IRW10501980	10.0	210
IRW10501981	10.0	260
IRW10501982	10.0	300
IRW10501984	10.0	460
IRW10501985	10.0	600
IRW10501986	10.0	1000
IRW10501987	11.0	160
IRW10501988	11.0	260
IRW10501991	12.0	160
IRW10501992	12.0	210
IRW10501994	12.0	260
IRW10501995	12.0	300
IRW10501996	12.0	460
IRW10501997	12.0	600
IRW10501998	12.0	800
IRW10501999	12.0	1000
IRW10502000	13.0	160
IRW10502002	13.0	300
IRW10502004	14.0	160
IRW10502005	14.0	210
IRW10502007	14.0	260
IRW10502008	14.0	300
IRW10502010	14.0	460
IRW10502011	14.0	600
IRW10502012	14.0	1000
IRW10502013	15.0	160
IRW10502014	15.0	230
IRW10502015	15.0	260

Part No.	Ø mm	Overall Length mm
IRW10502017	16.0	160
IRW10502018	16.0	210
IRW10502019	16.0	260
IRW10502020	16.0	300
IRW10502021	16.0	460
IRW10502022	16.0	600
IRW10502023	16.0	800
IRW10502024	16.0	1000
IRW10502027	18.0	210
IRW10502028	18.0	300
IRW10502029	18.0	460
IRW10502030	18.0	600
IRW10502031	18.0	1000
IRW10502033	19.0	300
IRW10502035	19.0	460
IRW10502036	20.0	210
IRW10502038	20.0	300
IRW10502040	20.0	460
IRW10502041	20.0	600
IRW10502042	20.0	1000
IRW10502043	22.0	260
IRW10502044	22.0	300
IRW10502046	22.0	460
IRW10502049	24.0	260
IRW10502050	24.0	300
IRW10502052	24.0	460
IRW10502053	25.0	260
IRW10502054	25.0	300
IRW10502056	25.0	460
IRW10502059	26.0	300
IRW10502060	26.0	460



**Fastest lasting Irwin® Hammer Drill Bit ever**

### SPEEDHAMMER™ PLUS DRILL BITS 10 PIECE BULK QUADRO PACKS

Part No.	Ø mm	Overall Length mm
IRW10502071	5.0	110
IRW10502072	5.0	160
IRW10502073	5.5	110
IRW10502074	5.5	160
IRW10502075	6.0	110
IRW10502076	6.0	160
IRW10502077	6.0	210
IRW10502082	8.0	160
IRW10502083	8.0	210
IRW10502084	10.0	110
IRW10502085	10.0	160
IRW10502086	10.0	210
IRW10502087	12.0	160
IRW10502088	12.0	210



### SPEEDHAMMER™ PLUS DRILL BITS CASSETTES



Part No.	Description
IRW10502089	SPDH Plus 5pcs Set : 1pc - 5/6 x 110, 8/10/12 x 160 mm
IRW10507111	SPDH Plus 9pcs Set, SE: 1pc - 5/8 x 110, 8/10/12 x 160; 2pcs - 6 x 110, 6 x 160 mm





## DIAMOND DRILL BITS

- Drilling with water increases the life span of the tool
- Do not press strongly on the tool, let it work
- Make a swinging movement to allow dust evacuation

- Cutting speed: 2700 RPM
- No hammer action required.



**DIAMOND**

**For fast smooth cutting in all grades of hard and soft tiles**



Part No.	Ø mm
IRW10507892	5.0
IRW10507893	6.0
IRW10507895	8.0
IRW10507896	10.0
IRW10507897	12.0
IRW10507898	14.0



1 The drill needs to run before hitting the surface. To avoid sliding of the drill, start with an angle of 45°.



2 Once the hole has started, raise the drill gradually up to the vertical line.



3 Make an oscillating movement while drilling.



## HEAVY DUTY CORE DRILLS

- Designed for drilling of large diameters (35-150mm) into: Concrete, Granite and other very hard materials
- Pilot drill: To easily remove the pilot drill from the drill rod, push the drift key into the slot

- of the drill rod
- Core removal: After drilling, the core often gets stuck in the core drill. To make the removal easier, the lightweight core drills have a hole

**Designed for drilling large diameter holes in concrete and rock.**

Part No.	Description	Hole Ø	Length																							
IRW10507198	Drill Rod 180mm SPDHMAX	-	180																							
IRW10507199	Drill Rod 450mm SPDHMAX	-	450																							
IRW10507200	Drill Rod 115mm SPDHPLUS	-	115																							
IRW10507211	HD Core Drill 40mm	40	100																							
IRW10507212	HD Core Drill 45mm	45	100																							
IRW10507213	HD Core Drill 50mm	50	100																							
IRW10507214	HD Core Drill 60mm	60	100																							
IRW10507215	HD Core Drill 65mm	65 </tr <tr> <td>IRW10507216</td> <td>HD Core Drill 75mm</td> <td>75</td> <td>100</td> </tr> <tr> <td>IRW10507219</td> <td>HD Core Drill 100mm</td> <td>100</td> <td>100</td> </tr> <tr> <td>IRW10507220</td> <td>HD Core Drill 115mm</td> <td>115</td> <td>100</td> </tr> <tr> <td>IRW10507222</td> <td>HD Core Drill 150mm</td> <td>150</td> <td>100</td> </tr> <tr> <td>IRW10507224</td> <td>Pilot Drill Bit 11 x 120mm</td> <td>11</td> <td>120</td> </tr> <tr> <td>IRW10507225</td> <td>Core Drill Drift Key</td> <td>-</td> <td>-</td> </tr>	IRW10507216	HD Core Drill 75mm	75	100	IRW10507219	HD Core Drill 100mm	100	100	IRW10507220	HD Core Drill 115mm	115	100	IRW10507222	HD Core Drill 150mm	150	100	IRW10507224	Pilot Drill Bit 11 x 120mm	11	120	IRW10507225	Core Drill Drift Key	-	-
IRW10507216	HD Core Drill 75mm	75	100																							
IRW10507219	HD Core Drill 100mm	100	100																							
IRW10507220	HD Core Drill 115mm	115	100																							
IRW10507222	HD Core Drill 150mm	150	100																							
IRW10507224	Pilot Drill Bit 11 x 120mm	11	120																							
IRW10507225	Core Drill Drift Key	-	-																							



## LIGHTWEIGHT CORE DRILLS

- Designed for fast and easy drilling of larger diameters (30-80mm) into: Masonry, Brick, Natural stone, Autoclaved aerated concrete and Drywall/gypsum board
- Pilot drill: The pilot drill is securely fixed by a set screw which can be tightened with a hex key
- Core removal: After drilling, the core often gets stuck in the core drill
- To make the removal easier, the lightweight core drills have a hole

Part No.	Description	Hole Ø	Length
IRW10507203	LW Core Drill 30mm	30	58
IRW10507205	LW Core Drill 40mm	40	58
IRW10507206	LW Core Drill 45mm	45	58
IRW10507207	LW Core Drill 50mm	50	58
IRW10507208	LW Core Drill 65mm	65	50
IRW10507209	LW Core Drill 80mm	80	50
IRW10507223	Pilot Drill Bit 8 x 120mm	-	120



## WOOD FLAT BITS

- Flat fast cutting bits for woodwork, soft fibre boards
- D.I.Y use
- Any electrical drill



HARD WOOD



SOFT WOOD



PLYWOOD



PLASTICS

DIN  
338



- Available in individual PVC sleeves with hangers. All packs are clearly marked and are colour coded for easy identification.



### STANDARD SHANK

Part No.	Ø mm	Overall Length
FOX3205	6,0 mm	158,0 mm
FOX3210	8,0 mm	158,0 mm
FOX3215	10,0 mm	158,0 mm
FOX3220	13,0 mm	158,0 mm
FOX3225	14,0 mm	158,0 mm
FOX3230	16,0 mm	158,0 mm
FOX3235	18,0 mm	158,0 mm
FOX3240	19,0 mm	158,0 mm

### STANDARD SHANK

Part No.	Ø mm	Overall Length
FOX3245	22,0 mm	158,0 mm
FOX3250	25,0 mm	161,0 mm
FOX3255	28,0 mm	174,0 mm
FOX3260	30,0 mm	174,0 mm
FOX3265	32,0 mm	174,0 mm
FOX3270	35,0 mm	174,0 mm
FOX3280	38,0 mm	174,0 mm

### LONG SHANK

Part No.	Ø mm	Overall Length
FOX3310	10,0 mm	400,0 mm
FOX3313	13,0 mm	400,0 mm
FOX3314	14,0 mm	400,0 mm
FOX3316	16,0 mm	400,0 mm
FOX3318	18,0 mm	400,0 mm
FOX3319	19,0 mm	400,0 mm
FOX3322	22,0 mm	400,0 mm



## BLUE GROOVE 4X FLAT BITS - 152MM LENGTH

- Double Cutting Spurs scribe outside of the hole, reducing breakout
- Thicker Cutting Edge for longer drilling life
- BLUE-GROOVE Point & Cutting Edge for faster chip removal
- 10% larger shank - added durability
- 1/4" Quick Change Shank



4 times faster than competitor products

Saves Battery Life

Quick Change Shank

### BLUE GROOVE EXTENSION

- Cannot be used on bits under 16mm diameter
- Blade fits into front socket, held by setscrews



Code	Size(mm)
IRW4300	330



## 4 times faster than standard Flat Bits



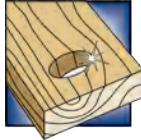
Code	Size (mm)	Code	Size (mm)	Code	Size (mm)
IRW4200	6	IRW4235	18	IRW4265	28
IRW4205	8	IRW4240	19	IRW4270	30
IRW4210	10	IRW4245	20	IRW4275	32
IRW4215	12	IRW4250	22	IRW4280	35
IRW4220	13	IRW4255	24	IRW4285	38
IRW4225	14	IRW4260	25	IRW4290	40

Part No.	Description
IRW4320	6pcs Set: 10, 13, 16, 19, 22, 25mm plastic wallet



## AUGER DRILL BITS

- Single Spur design for smoother hole finish
- Coarse Screw Point for faster drilling into all types of wood
- Fully hardened body from tip to shank for extra durability
- Hex shank prevents bit slipping in chuck
- Extra wide flute for faster chip removal



Perfect for all types of wood  
Creates perfect and straight holes

*The Original*  
**AUGER**

Code	Ref	Size(mm)	Length(mm)
IRW2700	T378	6	191
IRW2710	T379	8	191
IRW2725	T382	12	191
IRW2730	T383	13	191
IRW2740	T384	14	191
IRW2750	T385	16	191
IRW2755	T387	18	191
IRW2760	T388	19	191

Code	Ref	Size(mm)	Length(mm)
IRW2780	T393	25	191
IRW2792	T405	8	280
IRW2794	T406	10	280
IRW2796	T407	12	280
IRW2798	T408	13	280
IRW2800	T409	14	280
IRW2802	T410	16	280

Code	Ref	Size(mm)	Length(mm)
IRW2806	T413	25	280
IRW2814	T429	10	400
IRW2816	T430	12	400
IRW2820	T432	14	400
IRW2822	T433	16	400
IRW2826	T436	20	400
IRW2828	T437	22	400



## BRAD POINT DRILL BITS

- Brad point tip guarantees accurate positioning for starting the hole
- Bit is precision-ground for use in furniture making, doweling, cabinetry and other woodworking applications where an exact hole size is required
- Spur cutting edges reduce splintering and ensure a smooth, clean hole
- Wide flutes provide a fast, continuous flow of chip ejection



Code	Size (mm)	Length(mm)
IRW10502792	3.0	67
IRW10502793	4.0	88
IRW10502794	5.0	95
IRW10502795	6.0	103
IRW10502796	8.0	119
IRW10502797	10.0	136
IRW10502798	12.0	145
IRW10502799	13.0	149
IRW10502800	16.0	178

**BRAD POINT**

**Precise drilling  
of clean holes**



## SCOTCH SCREW-EYED AUGER BITS



Code	Ref	Size(mm)	Length(mm)
IRW3000	T467	10	610
IRW3005	T469	13	610
IRW3015	T471	16	610

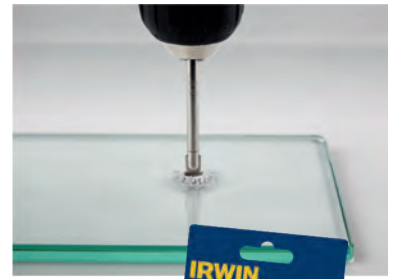
Code	Ref	Size(mm)	Length(mm)
IRW3020	T472	17.5	610
IRW3025	T473	19	610
IRW3030	T474	22	610

Code	Ref	Size(mm)	Length(mm)
IRW3035	T475	25	610
IRW3040	T477	32	610
IRW3045	T478	38	610



## GLASS AND TILE DRILL BITS

- Drill with low RPM (300 RPM recommended)
- Water cooling
- No hammer action



Part No.	Description
IRW10507902	Glass & Tile 3mm
IRW10507903	Glass & Tile 4mm
IRW10507904	Glass & Tile 5mm
IRW10507905	Glass & Tile 6mm
IRW10507907	Glass & Tile 8mm
IRW10507909	Glass & Tile 10mm
IRW10507912	Glass & Tile 5pcs Set: 4, 5, 6, 8, 10mm

GLASS & TILES

For drilling glass, porcelain and ceramics.



## DRILL GRINDING ATTACHMENT - RT40/511D

- A precision tool for accurately sharpening drill bits
- For machine shops, garages, home workshops etc.
- Die cast aluminium alloy construction with baked enamel finish
- Positive angle adjustment for 41, 49, 59, 68, 88 degrees to
- produce the correct clearance angle
- Used in conjunction with a standard bench grinder for drill bits from 3 - 10mm Ø



Part No.  
RIC1115



## DRILL BIT SHARPENER - RT40/515B

- Designed to fit over the chuck of a power / electric drill
- with a median spindle collar diameter of 43mm
- Accurately sharpens blunt, chipped or pitted drill bits quickly and easily
- Will not damage the power tool or the drill bit
- Spare stone is available - please quote code RIC1105



Part No. | Sizes  
RIC1100 | 3-10mm



## HOLESAW KIT - 7 PIECE D.I.Y.

- These compact sets are ideal for sawing a range of different diameter holes in wood, plasterboard, chipboard, plastics and some soft metals
- Kit comprises pilot drill, multi-diameter holder and seven blades



Part No. | Size  
MTS3522 | 25-63mm



## HOLE SAW - 5 BLADE RT36/415C

- Expert quality, suitable for cutting large diameter holes
- in wood, plastic and soft grades of sheet metal
- 5 high carbon steel blades with induction hard-point teeth
- Blade sizes: 28, 35, 50, 68, 75mm with a cutting depth of 38mm
- Strong aluminium mandrel holder with 6.0mm diameter pilot drill



Part No.  
RIC1758

Drill Bits, Augers, Taps & Dies



## HOLE SAW KIT 9 PIECE - RT36/479

- Make clean, round cuts in wood, plywood and wall board
- Black finish, high carbon alloy steel hole saws with hardened teeth
- Contents:
- Heat treated steel arbor
- High speed 5.0mm pilot drill
- Arbors for 19mm - 36mm diameter hole saw blades
- Hole saws: 25, 32, 38, 45, 50, 63mm
- Hex key



Part No.	Size
RIC1755	9 Pce



## HOLE SAW - BI-METAL – KIT 9 PIECE - RT36/458

- Allows hole boring into many different materials
- Bi-metal H.S.S teething hardness, it becomes easy boring holes in almost all current materials used in ironmongeries, shipbuilding yards general maintenance shops, wood working, plumbing, electricity workshops
- Works in metal, wood, hardwood, plywood, pipes and plastic
- 4/6T variable pitch, positive cutting teeth
- Contents:
- Hole saws: 22, 29, 35, 44, 51, 64mm
- Arbors: 36501, 36502
- Hex key



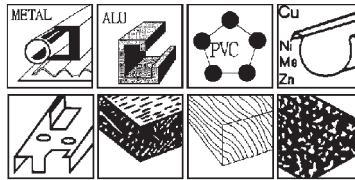
Part No.	Size
RIC7200	9 Pce



## HOLE SAWS - BI-METAL

- Allows hole boring into many different materials
- Bi-metal H.S.S teething hardness, it becomes easy boring holes in almost all current materials used in ironmongeries, shipbuilding yards, general maintenance shops, wood working, plumbing, electricity workshops
- Works in metal, wood, hardwood, plywood, pipes and plastic
- 4/6T variable pitch, positive cutting teeth

### Typical Applications:



Part No.	Size	Ref.	Part No.	Size	Ref.	Part No.	Size	Ref.	Part No.	Size	Ref.
RIC7014	14mm	36520	RIC7032	32mm	36536	RIC7057	57mm	36557	RIC7089	89mm	36589
RIC7016	16mm	36521	RIC7035	35mm	36538	RIC7060	60mm	36560	RIC7092	92mm	36592
RIC7017	17mm	36522	RIC7038	38mm	36540	RIC7064	64mm	36564	RIC7095	95mm	36595
RIC7019	19mm	36524	RIC7040	40mm	36541	RIC7065	65mm	36565	RIC7098	98mm	36598
RIC7020	20mm	36525	RIC7041	41mm	36542	RIC7067	67mm	36567	RIC7102	102mm	36602
RIC7022	22mm	36527	RIC7043	43mm	36543	RIC7070	70mm	36570	RIC7108	108mm	36608
RIC7024	24mm	36529	RIC7044	44mm	36544	RIC7073	73mm	36573	RIC7111	111mm	36611
RIC7025	25mm	36530	RIC7046	46mm	36548	RIC7076	76mm	36576	RIC7114	114mm	36614
RIC7027	27mm	36532	RIC7048	48mm	36548	RIC7079	79mm	36579	RIC7127	127mm	36627
RIC7029	29mm	36534	RIC7051	51mm	36551	RIC7083	83mm	36583	RIC7152	152mm	36652
RIC7030	30mm	36535	RIC7054	54mm	36554	RIC7086	86mm	36586			



## HOLE SAW ARBORS

- A set screw in the arbor allows for easy replacement of pilot drill
- Quick-change hole saws without tools



Part No.	Hex Shank:	For Hole Saw:	Ref.
RIC7008	8mm	14-30mm	36503
RIC7010	11mm	32-152mm	36502



## HOLE SAW ARBOR DRILL - 36512

- High speed pilot drill
- For use with RIC7008 & RIC7010 hole saw arbors



Part No.	Size
RIC7005	6 x 81mm

## Starrett HOLE SAW KIT - K100SP

- Suitable for tradesmen, installation engineers, industry generally and the DIY enthusiast
- Packed in sturdy carrying cases
- Contents: Hole saws: 16, 20, 25, 32, 40, 51mm  
Arbors: 1 x A47 (complete)  
1 x A10 (complete)  
Ejector spring: 1 x A7



**Part No.**  
**STT0496**

## Starrett HOLE SAW KIT - K101SP

- Suitable for tradesmen, installation engineers, industry generally and the DIY enthusiast
- Packed in sturdy carrying cases
- Contents: Hole saws: 22, 29, 35, 44, 51, 64mm  
Arbors: 1 x A47 (complete)  
1 x A10 (complete)  
Ejector spring: 1 x A7



**Part No.**  
**STT0497**

## Starrett CONSTANT PITCH HOLE SAWS

- Provides a smooth cut with minimal tendency to bite or snag on contact with irregular surfaces
- Six teeth per 25mm/inch makes this saw ideal for thinner gauge materials
- Cutting depth 41mm (1 5/8")
- Applications include: cast iron, tool steel, stainless steel, brass, bronze, aluminium, plastic and wood



Part No.	Ref	Size	Part No.	Ref	Size	Part No.	Ref	Size	Part No.	Ref	Size	Part No.	Ref	Size
STT0445	H0096	14mm	STT0455	H0118	29mm	STT0464	H1116	43mm	STT0473	H238	60mm	STT0482	H338	86mm
STT0446	H0058	16mm	STT0456	H0136	30mm	STT0465	H0134	44mm	STT0474	H212	64mm	STT0483	H312	89mm
STT0447	H0016	17mm	STT0457	H0114	32mm	STT0466	H1136	46mm	STT0475	H296	65mm	STT0484	H358	92mm
STT0448	H0034	19mm	STT0458	H0156	33mm	STT0467	H0178	48mm	STT0476	H258	67mm	STT0485	H334	95mm
STT0449	H2532	20mm	STT0459	H0138	35mm	STT0468	H0200	51mm	STT0477	H234	70mm	STT0486	H378	98mm
STT0451	H0078	22mm	STT0460	H0176	37mm	STT0469	H0216	52mm	STT0478	H278	73mm	STT0487	H400	102mm
STT0452	H1056	24mm	STT0461	H0112	38mm	STT0470	H0218	54mm	STT0479	H300	76mm	STT0488	H414	108mm
STT0453	H0100	25mm	STT0462	H0196	40mm	STT0471	H214	57mm	STT0480	H318	79mm	STT0489	H438	111mm
STT0454	H0116	27mm	STT0463	H0158	41mm	STT0472	H256	59mm	STT0481	H314	83mm	STT0490	H412	114mm
												STT0493	H500	127mm

## Starrett ARBORS

- Furnished with 6.35mm (1/4") high speed steel pilot drill
- Set-screw in the body allows for easy replacement of the pilot drill
- Specify arbor by catalogue number to suit hole saw diameters



Part No.	Ref	Holesaw Ø	Screw Thread	Shank Size	Chuck Size
STT0005	A1	14-30mm	1/2"-20	8.75mm Hex	9.5mm
STT0010	A2	32-152mm	5/8"-18	11mm Hex	13mm
STT0020	A4	14-30mm	1/2"-20	6.5mm Round	6.5mm

## Starrett ARBOR DRILL

- Held by set screw in arbor body
- Fits all Starrett hole saw arbors - except A4



Part No.	Ref	Size
STT0050	A014	6.5mm



## TAP & DIE SET 20 PIECES - METRIC

- Heavy duty, heat treated taps & dies
- Precision machined to exacting standards
- Precision ground and polished surfaces
- Rust resistant
- Contents: taps & dies 3 x 0.5, 4 x 0.7, 5 x 0.8, 6 x 1.0, 7 x 1.0, 8 x 1.25, 10 x 1.5, 12 x 1.75mm, 1/8 NPT - 27
- Die Stock
- Adjustable Tap Wrench (3 - 12mm)
- Carry case

Part No.	Size
HON8059	3-12mm



## GROZ TAP & DIE SET - 41 PIECE

- A comprehensive set of professional taps and dies
- Supplied in a blow moulded PVC case
- All taps are right hand thread
- Set Contains:
  - T Handle Tap Wrench 0 - 6mm
  - 17 individual Hand Taps & Round Dies in sizes:
    - 3mm - 0.50mm, 4mm - 0.70mm, 4mm - 0.75mm
    - 5mm - 0.80mm, 5mm - 0.90mm, 6mm - 1.00mm
    - 7mm - 1.00mm, 8mm - 1.00mm, 8mm - 1.25mm
    - 9mm - 1.00mm, 9mm - 1.25mm, 10mm - 1.25mm
    - 10mm - 1.25mm, 10mm - 1.50mm, 11mm - 1.50mm
    - 12mm - 1.50mm, 12mm - 1.75mm, 1/8" - 28mm BSP
  - T Handle Tap Wrench 6 - 12mm
  - Type Tap Wrench 0 - 12mm
  - Die Holders for Round Dies of 13/16"Ø
  - Die Holders for Round Dies of 1"Ø
  - Die Holders for Round Dies of 1 1/2"Ø
  - Thread Pitch Gauge 16 leaves 0.35 - 3mm

Part No.	Size
GRO6548	3-12mm



## GROZ TAP & DIE SET - 37 PIECE

- A comprehensive set of professional taps and dies
- Supplied in a sturdy wooden case
- All taps are right hand
- Set contains:
  - Metric Tap Sets: 6, 8, 10, 12, 14, 16, 18, 20mm
  - Round Dies: 6, 8, 10, 12, 14, 16, 18, 20mm
  - Die Holders with an outer diameter of 1", 1-1/2", 2"
  - Double Bar Type Tap Wrenches: 2-6.3mm, 4, 9-12mm

Part No.	Size
GRO6550	6-20mm



## WARRIOR TAP & DIE CASED SET - CARBON STEEL

- For hand or machine tapping of through or blind holes

Part No.	Size
WAR9701010	M6-M24



## GROZ CARBON STEEL HAND TAPS - SETS 3

- Taps are used for cutting internal threads in predetermined holes
- These perform best in materials where the cutting action results in chips which break up readily and do not present problems of chip disposal
- Taps are usually used in sets of 3 (taper, second and bottom)
- All taps are right hand
- Taper: Used to provide a quick and easy start, but this will not cut the thread down to the bottom of the hole
- Second: Used to increase the size of the cut
- Bottom: Used for follow through right to the bottom to obtain full depth of thread



Part No.	Size	Part No.	Size
GRO6555	M3 x 0,5 mm	GRO6564	M12 x 1,75 mm
GRO6558	M4 x 0,7 mm	GRO6565	M14 x 2,0 mm
GRO6559	M5 x 0,8 mm	GRO6567	M16 x 2,0 mm
GRO6560	M6 x 1,0 mm	GRO6568	M18 x 2,5 mm
GRO6562	M8 x 1,25 mm	GRO6570	M20 x 2,5 mm
GRO6563	M10 x 1,5 mm		



### SHORT HAND TAP SETS - METRIC FINE CARBON STEEL

- For general hand tapping



Part No.	Size	Part No.	Size
WAR9020800	MF8 x 1	WAR9021220	MF12 x 1.5
WAR9021000	MF10 x 1	WAR9021400	MF14 x 1.25
WAR9021010	MF10 x 1.25	WAR9021410	MF14 x 1.5
WAR9021200	MF12 x 1	WAR9021600	MF16 x 1.5
WAR9021210	MF12 x 1.25	WAR9022000	MF20 x 1.5



### SHORT HAND TAP SETS - METRIC COARSE HSS

- For general hand tapping



Part No.	Size	Part No.	Size
SOM5010300	M3x0.5	SOM5010800	M8x1.25
SOM5010400	M4x0.7	SOM5011000	M10x1.5
SOM5010500	M5x0.8	SOM5011200	M12x1.75
SOM5010600	M6x1	SOM5012000	M20x2.5
		SOM5012400	M24x3.0



### GUN NOSE SHORT MACHINE TAPS METRIC COARSE - HSSE - V3

- For machine tapping of through holes



Part No.	Size	Part No.	Size
SOM5080300	M3x0.5	SOM5080800	M8x1.25
SOM5080400	M4x0.7	SOM5081000	M10x1.5
SOM5080500	M5x0.8	SOM5081200	M12x1.75
SOM5080600	M6x1		



### SHORT HAND TAP SETS - METRIC COARSE CARBON STEEL

- For general hand tapping



Part No.	Size	Part No.	Size
SOM9010500	M5 x 0.8	SOM9011200	M12 x 1.75
SOM9010600	M6 x 1	SOM9011600	M16 x 2
SOM9010800	M8 x 1.25	SOM9012000	M20 x 2.5
SOM9011000	M10 x 1.5		





## SHORT HAND TAP SETS - METRIC COARSE CARBON STEEL

- For general hand tapping



Part No.	Size	Part No.	Size
WAR9010300	M3 x 0.5	WAR9011000	M10 x 1.5
WAR9010400	M4 x 0.7	WAR9011200	M12 x 1.75
WAR9010500	M5 x 0.8	WAR9011400	M14 x 2
WAR9010600	M6 x 1	WAR9011600	M16 x 2
WAR9010800	M8 x 1.25	WAR9011800	M18 x 2.5
		WAR9012000	M20 x 2.5



## SHORT HAND TAP SETS - BSP - G SERIES CARBON STEEL

- For general hand tapping



Part No.	Size	Part No.	Size
WAR9070320	1/8 x 28	WAR9071270	1/2 x 14
WAR9070640	1/4 x 19	WAR9071910	3/4 x 14
WAR9070950	3/8 x 19	WAR9072540	1" x 11



## SHORT HAND TAP SETS - BSW - CARBON STEEL

- For general hand tapping



Part No.	Size	Part No.	Size
WAR9030640	1/4 x 20	WAR9031430	9/16 x 12
WAR9030790	5/16 x 18	WAR9031590	5/8 x 11
WAR9030950	3/8 x 16	WAR9031910	3/4 x 10
WAR9031110	7/16 x 14	WAR9032220	7/8 x 9
WAR9031270	1/2 x 12	WAR9032540	1" x 8



## SHORT HAND TAP SETS - UNC - CARBON STEEL

- For general hand tapping



Part No.	Size	Part No.	Size
WAR9050640	1/4 x 20	WAR9051590	5/8 x 11
WAR9050790	5/16 x 18	WAR9051910	3/4 x 10
WAR9051110	7/16 x 14	WAR9052540	1" x 8
WAR9051270	1/2 x 13		



## SHORT HAND TAP SETS - UNF - CARBON STEEL

- For general hand tapping



Part No.	Size	Part No.	Size
WAR9060640	1/4" x 28	WAR9061270	1/2" x 20
WAR9060790	5/16" x 24	WAR9061590	5/8" x 18
WAR9060950	3/8" x 24	WAR9062220	7/8" x 24
WAR9061110	7/16" x 20	WAR9062540	1" x 25



## GROZ tools to trust HEXAGONAL DIE NUTS

- Dies are used for cutting external threads
- These are used as individual pieces, the same die being passed over the job many times to obtain clean threading
- Manufactured from carbon steel



Part No.	Size	Part No.	Size
GRO1580	M3 x 0,5 mm	GRO1605	M10 x 1,5 mm
GRO1585	M4 x 0,7 mm	GRO1610	M12 x 1,75 mm
GRO1590	M5 x 0,8 mm	GRO1615	M14 x 2,0 mm
GRO1595	M6 x 1,0 mm	GRO1620	M16 x 2,0 mm
GRO1600	M8 x 1,25 mm	GRO1625	M20 x 2,5 mm



## DIE NUTS - METRIC COARSE - HSS

- For general purpose repairing or cleaning of threads



Part No.	Size
SOM5070500	M5x0.8
SOM5070600	M6x1
SOM5071000	M10x1.5
SOM5072000	M20x2.5



## DIE NUTS - METRIC COARSE - CARBON STEEL

- For general purpose repairing or cleaning of threads



Part No.	Size	Part No.	Size
WAR9110500	M5 x 0.8	WAR9111200	M12 x 1.75
WAR9110600	M6 x 1	WAR9111400	M14 x 2
WAR9110800	M8 x 1.25	WAR9111600	M16 x 2
WAR9111000	M10 x 1.5	WAR9112000	M20 x 2.5

## GROZ tools to trust TAP WRENCH 'T' TYPE

- Ideal for taps, screw extractors, reamers etc.
- Sliding "T" handle allows for use in confined spaces
- Self-centering hardened steel jaws



Part No.	Size
GRO6615	M2 - M5
GRO6620	M4 - M6
GRO6625	M6 - M10

## GROZ tools to trust TAP WRENCH 'T' TYPE RATCHET

- As standard "T" type wrench
- Ratchet feature can be set left, right or neutral
- Allows for ease of use in confined spaces



Part No.	Size
GRO6612	M4 - M6
GRO6613	M6 - M10

## GROZ tools to trust TAP WRENCH ADJUSTABLE BAR TYPE

- The straight handle design of these tap wrenches provides greater leverage, particularly useful when working with large diameter taps
- With zinc die cast body and hardened steel jaws, these have an exceptionally rugged construction
- Chrome plated handles with knurled ends provide a comfortable non-slip grip
- Larger sizes have a cross hole drilled on one end for easy tightening using a tommy bar



Part No.	Size
GRO6600	M2 - M8
GRO6605	M5 - M14
GRO6610	M6 - M18