



DURO

 **YOKOTA**

DRILL IT

SMALL DIAMETER DRILLING

CONCRETE
MASONRY
MULTI PURPOSE
WOOD
METAL INC. ANNULAR CUTTERS

SDS PLUS, SDS MAX, ROUND, HEX, 1/4 HEX & WELDON SHANKS



BRICK / BLOCK / CONCRETE

SDS PLUS

USE ME FOR

Drilling truer, rounder holes for all fixing applications and through holes

Premium quality for all masonry and concrete types

FEATURES

- > Precision machined SDS Plus shank
- > Sintered carbide tips
- > High quality brazing methods
- > Twin flute design for speed & strength

SIZE RANGE / CODE



Working lengths of SDS Plus drill bits:

- > Up to 250 mm o/a length reduce by 60 mm e.g (6x160 is 100 mm working length)
- > 250 mm & above reduce by 50 mm



110 mm Length	160 mm Length	210 mm Length	250/260 mm Length
4.0X110DP-SPLUS	4.0X160DP-SPLUS	5.0X210DP-SPLUS	5.5X260DP-SPLUS
5.0X110DP-SPLUS	5.0X160DP-SPLUS	5.5X210DP-SPLUS	6.0X260DP-SPLUS
5.5X110DP-SPLUS	5.5X160DP-SPLUS	6.0X210DP-SPLUS	6.5X260DP-SPLUS
6.0X110DP-SPLUS	6.0X160DP-SPLUS	6.5X210DP-SPLUS	8.0X260DP-SPLUS
7.0X110DP-SPLUS	6.5X160DP-SPLUS	7.0X210DP-SPLUS	10.0X260DP-SPLUS
8.0X110DP-SPLUS	7.0X160DP-SPLUS	8.0X210DP-SPLUS	12.0X260DP-SPLUS
	8.0X160DP-SPLUS	10.0X210DP-SPLUS	13.0X250DP-SPLUS
	10.0X160DP-SPLUS	12.0X210DP-SPLUS	14.0X260DP-SPLUS
	12.0X160DP-SPLUS	14.0X210DP-SPLUS	15.0X250DP-SPLUS
	16.0X160DP-SPLUS	16.0X210DP-SPLUS	16.0X260DP-SPLUS
		18.0X210DP-SPLUS	18.0X260DP-SPLUS
		20.0X210DP-SPLUS	20.0X260DP-SPLUS
			22.0X250DP-SPLUS
			24.0X250DP-SPLUS
			25.0X250DP-SPLUS

310 mm Length	450 mm Length	600 mm Length	1000 mm Length
10.0X310DP-SPLUS	8.0X450DP-SPLUS	8.0X600DP-SPLUS	10.0X1000DP-SPLUS
12.0X310DP-SPLUS	10.0X450DP-SPLUS	10.0X600DP-SPLUS	12.0X1000DP-SPLUS
14.0X310DP-SPLUS	12.0X450DP-SPLUS	12.0X600DP-SPLUS	14.0X1000DP-SPLUS
16.0X310DP-SPLUS	13.0X450DP-SPLUS	14.0X600DP-SPLUS	16.0X1000DP-SPLUS
18.0X310DP-SPLUS	14.0X450DP-SPLUS	16.0X600DP-SPLUS	18.0X1000DP-SPLUS
20.0X310DP-SPLUS	16.0X450DP-SPLUS	18.0X600DP-SPLUS	20.0X1000DP-SPLUS
	18.0X450DP-SPLUS	20.0X600DP-SPLUS	22.0X1000DP-SPLUS
	20.0X450DP-SPLUS	22.0X600DP-SPLUS	25.0X1000DP-SPLUS
	22.0X450DP-SPLUS	25.0X600DP-SPLUS	
	24.0X450DP-SPLUS		
	25.0X450DP-SPLUS		
	26.0X450DP-SPLUS		
	28.0X450DP-SPLUS		
	30.0X450DP-SPLUS		

∞ All Sizes Are Essential Selection



BRICK / BLOCK / CONCRETE

SDS MAX

USE ME FOR

Drilling truer, rounder holes for all fixing applications and through holes

Premium quality for all masonry and concrete types

FEATURES

- > Precision machined SDS Max shank
- > Sintered carbide tips
- > Copper brazed body & tip bond
- > Solid cross head tip design
- > Fast spiral, twin flutes
- > High concentricity - tip, body, shank

SIZE RANGE / CODE



For working lengths of SDS Max drill bits:

- > Up to 20 mm diameter reduce o/a length by 140 mm e.g (16x450 is 310 mm working length)
- > Above 20 mm diameter reduce overall length by 120 mm



DP-SMAX - CROSS HEAD	DP-SMAX - CROSS HEAD	DP-SMAX - CROSS HEAD
12.OX390DP-SMAX	20.OX285DP-SMAX	25.OX520DP-SMAX
12.OX540DP-SMAX	20.OX370DP-SMAX	25.OX920DP-SMAX
13.OX390DP-SMAX	20.OX430DP-SMAX	26.OX370DP-SMAX
14.OX390DP-SMAX	20.OX520DP-SMAX	26.OX520DP-SMAX
14.OX540DP-SMAX	20.OX920DP-SMAX	28.OX370DP-SMAX
16.OX305DP-SMAX	22.OX285DP-SMAX	28.OX570DP-SMAX
16.OX390DP-SMAX	22.OX370DP-SMAX	30.OX370DP-SMAX
16.OX450DP-SMAX	22.OX430DP-SMAX	30.OX570DP-SMAX
16.OX540DP-SMAX	22.OX520DP-SMAX	32.OX370DP-SMAX
16.OX920DP-SMAX	22.OX920DP-SMAX	32.OX570DP-SMAX
18.OX305DP-SMAX	24.OX370DP-SMAX	32.OX920DP-SMAX
18.OX390DP-SMAX	24.OX520DP-SMAX	35.OX570DP-SMAX
18.OX450DP-SMAX	25.OX285DP-SMAX	38.OX570DP-SMAX
18.OX540DP-SMAX	25.OX370DP-SMAX	40.OX570DP-SMAX
	25.OX430DP-SMAX	

∞ All Sizes Are Essential Selection



PLUS

1/4" HEX SHANK FOR BRICK / BLOCK / CONCRETE

HEX MASONRY

USE ME FOR

Drilling:
Masonry
Concrete
Stone
Brick

FEATURES

- > 1/4" Quick change hex shank
- > Sintered carbide tips
- > High quality brazing methods
- > Single milled flutes



SIZE RANGE / CODE

4.0 x 75 mm	4.0x75-DP-MASONRY-HEX
5.0 x 85 mm	5.0x85-DP-MASONRY-HEX
5.5 x 85 mm	5.5x85-DP-MASONRY-HEX
6.0 x 100 mm	6.0x100-DP-MASONRY-HEX
6.5 x 100 mm	6.5x100-DP-MASONRY-HEX
7.0 x 100 mm	7.0x100-DP-MASONRY-HEX
8.0 x 120 mm	8.0x120-DP-MASONRY-HEX
10.0 x 120 mm	10.0x120-DP-MASONRY-HEX



PLUS

STRAIGHT SHANK FOR BRICK / BLOCK / CONCRETE

MASONRY

USE ME FOR

Drilling:
Masonry
Concrete
Stone
Brick

FEATURES

- > Straight shank
- > Sintered 130° carbide tips
- > High quality brazing methods
- > Single milled flute
- > Rotary & percussion use



SIZE RANGE / CODE

4.0 x 75 mm	4.0x75-DP-MASONRY
5.0 x 85 mm	5.0x85-DP-MASONRY
5.5 x 85 mm	5.5x85-DP-MASONRY
6.0 x 100 mm	6.0x100-DP-MASONRY
6.5 x 100 mm	6.5x100-DP-MASONRY
7.0 x 100 mm	7.0x100-DP-MASONRY
8.0 x 120 mm	8.0x120-DP-MASONRY
10.0 x 120 mm	10.0x120-DP-MASONRY
12.0 x 150 mm	12.0x150-DP-MASONRY
14.0 x 150 mm	14.0x150-DP-MASONRY
16.0 x 150 mm	16.0x150-DP-MASONRY





STRAIGHT SHANK MASONRY / TILE / WOOD / PLASTICS / SHEET METAL

MULTI PURPOSE

USE ME FOR

Drilling multiple materials:
Masonry, tile, wood, plastics & sheet metal

Drill material combinations in one pass such as window installation

FEATURES

- > Straight shank
- > Precise drilling in multiple materials
- > Extra sharp, sintered 130° carbide tips
- > High quality brazing methods
- > High flute volume for debris removal
- > Premium quality ground flutes



SIZE RANGE / CODE

4.0 x 75 mm	4.0x75-DP-MPURPOSE
5.0 x 85 mm	5.0x85-DP-MPURPOSE
5.5 x 85 mm	5.5x85-DP-MPURPOSE
6.0 x 100 mm	6.0x100-DP-MPURPOSE
8.0 x 120 mm	8.0x120-DP-MPURPOSE
10.0 x 120 mm	10.0x120-DP-MPURPOSE
12.0 x 150 mm	12.0x150-DP-MPURPOSE

CUT MULTIPLE MATERIALS WITH THE SAME MULTI PURPOSE DRILL BIT



TILE · WOOD · THIN SHEET METAL · PLASTICS · BRICK · CONCRETE · MASONRY · PERSPEX



PLUS

SDS PLUS SHANK AUGER BITS

SDS AUGER

USE ME FOR

Drilling all types of wood:

Hard & soft woods
Composites such as chipboard
& plywood

FEATURES

- > Threaded centering tip
- > Self centering & self feeding
- > Smooth, deep flutes
- > Fast chip removal
- > SDS Plus shank

SIZE RANGE / CODE

6.0 x 235 mm	6.0x235-DP-SDS-AUGER
8.0 x 235 mm	8.0x235-DP-SDS-AUGER
10.0 x 235 mm	10.0x235-DP-SDS-AUGER
12.0 x 235 mm	12.0x235-DP-SDS-AUGER
14.0 x 235 mm	14.0x235-DP-SDS-AUGER
16.0 x 235 mm	16.0x235-DP-SDS-AUGER
18.0 x 235 mm	18.0x235-DP-SDS-AUGER
20.0 x 235 mm	20.0x235-DP-SDS-AUGER
22.0 x 235 mm	22.0x235-DP-SDS-AUGER
24.0 x 235 mm	24.0x235-DP-SDS-AUGER
10.0 x 460 mm	10.0x460-DP-SDS-AUGER
12.0 x 460 mm	12.0x460-DP-SDS-AUGER
16.0 x 460 mm	16.0x460-DP-SDS-AUGER
20.0 x 460 mm	20.0x460-DP-SDS-AUGER
22.0 x 460 mm	22.0x460-DP-SDS-AUGER
24.0 x 460 mm	24.0x460-DP-SDS-AUGER



PLUS

HEX SHANK AUGER BITS

HEX AUGER

USE ME FOR

Drilling all types of wood:

Hard & soft woods
Composites such as chipboard &
plywood

FEATURES

- > Threaded centering tip
- > Self centering & self feeding
- > Smooth, deep flutes
- > Fast chip removal
- > Hex shank

SIZE RANGE / CODE

6.0 x 230 mm	6.0x230-DP-HEX-AUGER
8.0 x 230 mm	8.0x230-DP-HEX-AUGER
10.0 x 230 mm	10.0x230-DP-HEX-AUGER
12.0 x 230 mm	12.0x230-DP-HEX-AUGER
14.0 x 230 mm	14.0x230-DP-HEX-AUGER
16.0 x 230 mm	16.0x230-DP-HEX-AUGER
18.0 x 230 mm	18.0x230-DP-HEX-AUGER
20.0 x 230 mm	20.0x230-DP-HEX-AUGER
22.0 x 230 mm	22.0x230-DP-HEX-AUGER
24.0 x 230 mm	24.0x230-DP-HEX-AUGER
26.0 x 230 mm	26.0x230-DP-HEX-AUGER
32.0 x 230 mm	32.0x230-DP-HEX-AUGER
10.0 x 460 mm	10.0x460-DP-HEX-AUGER
12.0 x 460 mm	12.0x460-DP-HEX-AUGER
16.0 x 460 mm	16.0x460-DP-HEX-AUGER
20.0 x 460 mm	20.0x460-DP-HEX-AUGER
22.0 x 460 mm	22.0x460-DP-HEX-AUGER
24.0 x 460 mm	24.0x460-DP-HEX-AUGER
26.0 x 460 mm	26.0x460-DP-HEX-AUGER





PLUS

1/4" HEX SHANK 4 SPUR AUGER BITS

4 SPUR AUGER

USE ME FOR

Drilling soft & hard wood and wood with embedded nails
Drill in tight space with stub length
Premium quality for extremely fast drilling of all wood types

FEATURES

- > 4 spurs/wings for fast drilling
- > Threaded centering tip
- > Self centering & self feeding
- > Tapered flute to reduce binding
- > 1/4" hex quick change shank



SIZE RANGE / CODE

16.0 x 120 mm	16.0x120-DP-4SPEED
20.0 x 120 mm	20.0x120-DP-4SPEED
22.0 x 120 mm	22.0x120-DP-4SPEED
25.0 x 120 mm	25.0x120-DP-4SPEED
32.0 x 120 mm	32.0x120-DP-4SPEED
10.0 x 165 mm	10.0x165-DP-4SPEED
12.0 x 165 mm	12.0x165-DP-4SPEED
13.0 x 165 mm	13.0x165-DP-4SPEED
16.0 x 165 mm	16.0x165-DP-4SPEED
18.0 x 165 mm	18.0x165-DP-4SPEED
19.0 x 165 mm	19.0x165-DP-4SPEED
20.0 x 165 mm	20.0x165-DP-4SPEED
22.0 x 165 mm	22.0x165-DP-4SPEED
25.0 x 165 mm	25.0x165-DP-4SPEED
32.0 x 165 mm	32.0x165-DP-4SPEED

PLUS

1/4" HEX SHANK FLAT BITS

FLAT BIT

USE ME FOR

Drilling composites such as plywood & chipboard

Extension rod available for deep drilling with 1/4" hex quick change shank

FEATURES

- > Centering tip for precise drilling
- > 2 Outer cutting spurs
- > 1/4" hex quick change shank
- > 305 mm extension available



SIZE RANGE / CODE

10.0 x 152 mm	10.0-DP-FLAT
12.0 x 152 mm	12.0-DP-FLAT
13.0 x 152 mm	13.0-DP-FLAT
16.0 x 152 mm	16.0-DP-FLAT
18.0 x 152 mm	18.0-DP-FLAT
19.0 x 152 mm	19.0-DP-FLAT
20.0 x 152 mm	20.0-DP-FLAT
22.0 x 152 mm	22.0-DP-FLAT
25.0 x 152 mm	25.0-DP-FLAT
26.0 x 152 mm	26.0-DP-FLAT
28.0 x 152 mm	28.0-DP-FLAT
30.0 x 152 mm	30.0-DP-FLAT
32.0 x 152 mm	32.0-DP-FLAT
38.0 x 152 mm	38.0-DP-FLAT
40.0 x 152 mm	40.0-DP-FLAT

305 mm Extension	DP-FLAT-EXT
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PLUS

COBALT JOBBER DRILLS - HARD METALS INCLUDING STAINLESS

HSS COBALT

USE ME FOR

Drilling hard materials like stainless steel, ferrous & non-ferrous materials, sheet metal, brass & cast iron
Heat & wear resistance enables drilling of harder materials. DIN338 standard

FEATURES

- > 135° split point for self centering
- > Precision, flute ground, 5% Cobalt
- > Maximum heat & wear resistance
- > Reduced drilling pressure required
- > Fast drilling & excellent chip removal



Straight Shank

SIZE RANGE / CODE

	TUBES - 10's or 5's	WALLETED - 2's or 1's
1.0 mm	1.0-DP-HSS-CO-T10	1.0-DP-HSS-CO-W2
1.5 mm		1.5-DP-HSS-CO-W2
2.0 mm	2.0-DP-HSS-CO-T10	2.0-DP-HSS-CO-W2
2.5 mm		2.5-DP-HSS-CO-W2
3.0 mm	3.0-DP-HSS-CO-T10	3.0-DP-HSS-CO-W2
3.5 mm	3.5-DP-HSS-CO-T10	3.5-DP-HSS-CO-W2
4.0 mm	4.0-DP-HSS-CO-T10	4.0-DP-HSS-CO-W2
4.5 mm	4.5-DP-HSS-CO-T10	4.5-DP-HSS-CO-W1
5.0 mm	5.0-DP-HSS-CO-T10	5.0-DP-HSS-CO-W1
5.5 mm	5.5-DP-HSS-CO-T10	5.5-DP-HSS-CO-W1
6.0 mm	6.0-DP-HSS-CO-T10	6.0-DP-HSS-CO-W1
6.5 mm	6.5-DP-HSS-CO-T10	6.5-DP-HSS-CO-W1
7.0 mm	7.0-DP-HSS-CO-T10	7.0-DP-HSS-CO-W1
7.5 mm	7.5-DP-HSS-CO-T10	7.5-DP-HSS-CO-W1
8.0 mm	8.0-DP-HSS-CO-T5	8.0-DP-HSS-CO-W1
8.5 mm	8.5-DP-HSS-CO-T5	8.5-DP-HSS-CO-W1
9.0 mm	9.0-DP-HSS-CO-T5	9.0-DP-HSS-CO-W1
10.0 mm	10.0-DP-HSS-CO-T5	10.0-DP-HSS-CO-W1
11.0 mm	11.0-DP-HSS-CO-T5	11.0-DP-HSS-CO-W1
12.0 mm	12.0-DP-HSS-CO-T5	12.0-DP-HSS-CO-W1
13.0 mm	13.0-DP-HSS-CO-T5	13.0-DP-HSS-CO-W1



HSS DRILL WORKING LENGTHS

	Working Length (mm)	Overall Length (mm)
1.0 mm	12	34
1.5 mm	18	40
2.0 mm	24	49
2.5 mm	30	57
3.0 mm	33	61
3.5 mm	39	70
4.0 mm	43	75
4.5 mm	47	80
5.0 mm	52	86
5.5 mm	57	93
6.0 mm	57	93
6.5 mm	63	101
7.0 mm	69	109
7.5 mm	69	109
8.0 mm	75	117
8.5 mm	75	117
9.0 mm	81	125
10.0 mm	87	133
11.0 mm	94	142
12.0 mm	101	151
13.0 mm	101	151



PLUS

FLUTE GROUND JOBBER DRILLS - HARD METALS & GENERAL PURPOSE

HSS GROUND

USE ME FOR

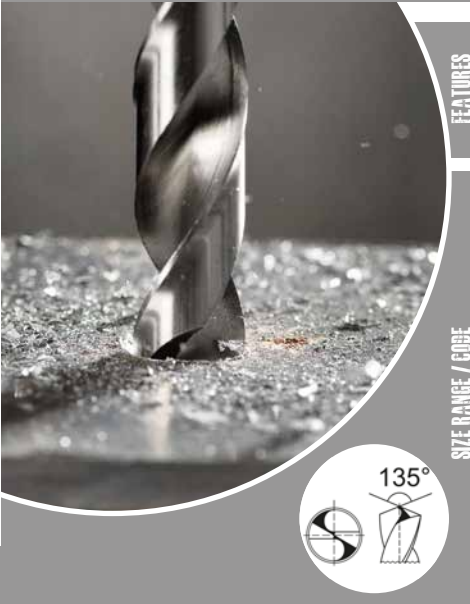
Cutting a wide range of materials including stainless steel, cast iron, sheet metal, non-ferrous metal, steel, wood and plastics

Straight shank and hex shank option

- > 135° split point for self centering
- > Precision flute ground for fast drilling & very good chip removal
- > Great heat & wear resistance
- > DIN338 standard



Straight Shank 1/4" Hex Shank



FEATURES

SIZE RANGE / CODE

STD SHK	TUBES - 10's or 5's	WALLETTED - 2's or 1's
1.0 mm	1.0-DP-HSS-G-T10	1.0-DP-HSS-G-W2
1.5 mm		1.5-DP-HSS-G-W2
2.0 mm	2.0-DP-HSS-G-T10	2.0-DP-HSS-G-W2
2.5 mm		2.5-DP-HSS-G-W2
3.0 mm	3.0-DP-HSS-G-T10	3.0-DP-HSS-G-W2
3.5 mm	3.5-DP-HSS-G-T10	3.5-DP-HSS-G-W2
4.0 mm	4.0-DP-HSS-G-T10	4.0-DP-HSS-G-W2
4.5 mm	4.5-DP-HSS-G-T10	4.5-DP-HSS-G-W1
5.0 mm	5.0-DP-HSS-G-T10	5.0-DP-HSS-G-W1
5.5 mm	5.5-DP-HSS-G-T10	5.5-DP-HSS-G-W1
6.0 mm	6.0-DP-HSS-G-T10	6.0-DP-HSS-G-W1
6.5 mm	6.5-DP-HSS-G-T10	6.5-DP-HSS-G-W1
7.0 mm	7.0-DP-HSS-G-T10	7.0-DP-HSS-G-W1
7.5 mm	7.5-DP-HSS-G-T10	7.5-DP-HSS-G-W1
8.0 mm	8.0-DP-HSS-G-T5	8.0-DP-HSS-G-W1
8.5 mm	8.5-DP-HSS-G-T5	8.5-DP-HSS-G-W1
9.0 mm	9.0-DP-HSS-G-T5	9.0-DP-HSS-G-W1
10.0 mm	10.0-DP-HSS-G-T5	10.0-DP-HSS-G-W1
11.0 mm	11.0-DP-HSS-G-T5	11.0-DP-HSS-G-W1
12.0 mm	12.0-DP-HSS-G-T5	12.0-DP-HSS-G-W1
13.0 mm	13.0-DP-HSS-G-T5	13.0-DP-HSS-G-W1

HEX GROUND

HEX SHK	WALLETTED SINGLES
2.0 mm	2.0-DP-HSS-G-HEX-W1
3.0 mm	3.0-DP-HSS-G-HEX-W1
4.0 mm	4.0-DP-HSS-G-HEX-W1
5.0 mm	5.0-DP-HSS-G-HEX-W1
6.0 mm	6.0-DP-HSS-G-HEX-W1



SETS

PIECES	PART NO.	CONTENTS
19	19PC-DP-HSS-G-SET	1.0 to 10.0 mm x 0.5 mm
25	25PC-DP-HSS-G-SET	1.0 to 13.0 mm x 0.5 mm





PLUS

ROLL FORGED JOBBER DRILLS - GENERAL PURPOSE

HSS FORGED

USE ME FOR

Sheet metal, non-ferrous metal,
wood and plastics
Roll forged for general purpose

DIN338 Standard

FEATURES

- > 118° point for fast drilling
- > Steam tempered surface for corrosion resistance
- > Good chip removal & strength



Straight Shank

SIZE RANGE / CODE

	TUBES - 10's or 5's	WALLETED - 2's or 1's
1.0 mm	1.0-DP-HSS-R-T10	1.0-DP-HSS-R-W2
1.5 mm	1.5-DP-HSS-R-T10	1.5-DP-HSS-R-W2
2.0 mm	2.0-DP-HSS-R-T10	2.0-DP-HSS-R-W2
2.5 mm	2.5-DP-HSS-R-T10	2.5-DP-HSS-R-W2
3.0 mm	3.0-DP-HSS-R-T10	3.0-DP-HSS-R-W2
3.5 mm	3.5-DP-HSS-R-T10	3.5-DP-HSS-R-W2
4.0 mm	4.0-DP-HSS-R-T10	4.0-DP-HSS-R-W2
4.5 mm	4.5-DP-HSS-R-T10	4.5-DP-HSS-R-W1
5.0 mm	5.0-DP-HSS-R-T10	5.0-DP-HSS-R-W1
5.5 mm	5.5-DP-HSS-R-T10	5.5-DP-HSS-R-W1
6.0 mm	6.0-DP-HSS-R-T10	6.0-DP-HSS-R-W1
6.5 mm	6.5-DP-HSS-R-T10	6.5-DP-HSS-R-W1
7.0 mm	7.0-DP-HSS-R-T10	7.0-DP-HSS-R-W1
7.5 mm	7.5-DP-HSS-R-T10	7.5-DP-HSS-R-W1
8.0 mm	8.0-DP-HSS-R-T5	8.0-DP-HSS-R-W1
8.5 mm	8.5-DP-HSS-R-T5	8.5-DP-HSS-R-W1
9.0 mm	9.0-DP-HSS-R-T5	9.0-DP-HSS-R-W1
10.0 mm	10.0-DP-HSS-R-T5	10.0-DP-HSS-R-W1
11.0 mm	11.0-DP-HSS-R-T5	11.0-DP-HSS-R-W1
12.0 mm	12.0-DP-HSS-R-T5	12.0-DP-HSS-R-W1
13.0 mm	13.0-DP-HSS-R-T5	13.0-DP-HSS-R-W1



SETS



PIECES	PART NO.	CONTENTS
19	19PC-DP-HSS-R-SET	1.0 to 10.0 mm x 0.5 mm
25	25PC-DP-HSS-R-SET	1.0 to 13.0 mm x 0.5 mm



PLUS

HSS ANNULAR CUTTERS

ANNULAR CUTTERS

USE ME FOR

Drilling a wide range of general applications in materials including mild steel, structural steel, construction steel, aluminium, copper/brass and plastics.

- > Optimal cutting teeth geometry
- > M2 High speed steel manufacture
- > 3/4" Weldon shank
- > M2 steel gives high wear resistance
- > Excellent tool life and cutting speed



Weldon Shank



FEATURES

SIZE RANGE / CODE

	25mm DEPTH	50mm DEPTH
12.0 mm	DP-ANC-12x25 *	DP-ANC-12x50 *
13.0 mm	DP-ANC-13x25	DP-ANC-13x50
14.0 mm	DP-ANC-14x25 *	DP-ANC-14x50 *
15.0 mm	DP-ANC-15x25	DP-ANC-15x50
16.0 mm	DP-ANC-16x25 *	DP-ANC-16x50 *
17.0 mm	DP-ANC-17x25	DP-ANC-17x50
18.0 mm	DP-ANC-18x25 *	DP-ANC-18x50 *
19.0 mm	DP-ANC-19x25	DP-ANC-19x50
20.0 mm	DP-ANC-20x25 *	DP-ANC-20x50 *
21.0 mm	DP-ANC-21x25	DP-ANC-21x50
22.0 mm	DP-ANC-22x25 *	DP-ANC-22x50 *
23.0 mm	DP-ANC-23x25	DP-ANC-23x50
24.0 mm	DP-ANC-24x25 *	DP-ANC-24x50 *
25.0 mm	DP-ANC-25x25	DP-ANC-25x50
26.0 mm	DP-ANC-26x25 *	DP-ANC-26x50 *
27.0 mm	DP-ANC-27x25	DP-ANC-27x50
28.0 mm	DP-ANC-28x25 *	DP-ANC-28x50 *
29.0 mm	DP-ANC-29x25	DP-ANC-29x50
30.0 mm	DP-ANC-30x25 *	DP-ANC-30x50 *
31.0 mm	DP-ANC-31x25	DP-ANC-31x50
32.0 mm	DP-ANC-32x25	DP-ANC-32x50
33.0 mm	DP-ANC-33x25	DP-ANC-33x50
34.0 mm	DP-ANC-34x25	DP-ANC-34x50
35.0 mm	DP-ANC-35x25	DP-ANC-35x50
36.0 mm	DP-ANC-36x25	DP-ANC-36x50
37.0 mm	DP-ANC-37x25	DP-ANC-37x50
38.0 mm	DP-ANC-38x25	DP-ANC-38x50
39.0 mm	DP-ANC-39x25	DP-ANC-39x50
40.0 mm	DP-ANC-40x25	DP-ANC-40x50
41.0 mm	DP-ANC-41x25	DP-ANC-41x50
42.0 mm	DP-ANC-42x25	DP-ANC-42x50
43.0 mm	DP-ANC-43x25	DP-ANC-43x50
44.0 mm	DP-ANC-44x25	DP-ANC-44x50
45.0 mm	DP-ANC-45x25	DP-ANC-45x50
46.0 mm	DP-ANC-46x25	DP-ANC-46x50
47.0 mm	DP-ANC-47x25	DP-ANC-47x50
48.0 mm	DP-ANC-48x25	DP-ANC-48x50
49.0 mm	DP-ANC-49x25	DP-ANC-49x50
50.0 mm	DP-ANC-50x25	DP-ANC-50x50
51.0 mm	DP-ANC-51x25	DP-ANC-51x50
52.0 mm	DP-ANC-52x25	DP-ANC-52x50
53.0 mm	DP-ANC-53x25	DP-ANC-53x50
54.0 mm	DP-ANC-54x25	DP-ANC-54x50
55.0 mm	DP-ANC-55x25	DP-ANC-55x50
56.0 mm	DP-ANC-56x25	DP-ANC-56x50
57.0 mm	DP-ANC-57x25	DP-ANC-57x50
58.0 mm	DP-ANC-58x25	DP-ANC-58x50
59.0 mm	DP-ANC-59x25	DP-ANC-59x50
60.0 mm	DP-ANC-60x25	DP-ANC-60x50
61.0 mm		DP-ANC-61x50
62.0 mm		DP-ANC-62x50
63.0 mm		DP-ANC-63x50
64.0 mm		DP-ANC-64x50
65.0 mm		DP-ANC-65x50

PILOT PINS

All Annular Cutters require a pilot pin for centering

25mm Cutters	50mm Cutters
DP-ANC-PILOT-S	DP-ANC-PILOT-L



Always refer to magnetic drill manufacturers recommended speeds and feeds

See pages 171-173 for our exclusive range of AGP magnetic drills



Extend the life of DURO annular cutters by using cutting lubricant

(page 174)

PLEASE NOTE

Annular Cutters sizes 12, 14, 16, 18, 20, 22, 24, 26, 28 & 30mm are stock items. All other sizes are 2 day delivery.

HIGH SPEED DRILLS FOR METAL - COMPARISONS

COBALT FLUTE GROUND

- > Split point for quick start - no skidding on surfaces
- > Industrial quality & strength - higher operating speeds
- > Very long product life
- > Ability to withstand heat generation & perform for long periods without cooling
- > Ideal for most hardened metals stainless steel, titanium, bronze & cast iron.
- > Cut through weld seams
- > Less suitable for more general purpose applications.

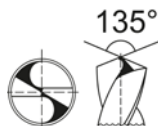
FLUTE GROUND

- > Split point for quick start and no skidding on surfaces
- > Industrial use - ideal for wide ranging, general use in relatively hard metals, plastics and wood.
- > Occasional use in stainless steel and other hard materials
- > Will wear more quickly in harder materials such as stainless steel

ROLL FORGED

- > Medium use and for general purpose applications on softer materials

HIGH SPEED DRILLS FOR METAL - DRILL POINTS



- > Drill harder steel alloys - self-centering
- > Flatter cutting face so engages quicker
- > Ideal for use in handheld power drills
- > Requires less operator force than 118° point drills



- > General purpose use - Not self-centering
- > More aggressive tip
- > For drilling softer materials like wood, aluminum and low to medium steel alloys
- > Will require centre punch for hard materials



SPEEDS GUIDE - METAL AND WOOD DRILLING

HIGH SPEED STEEL DRILLS FOR METAL - RPM

DIAMETER	STAINLESS STEEL	MILD STEEL	GREY CAST IRON	ALUMINIUM COPPER BRASS
1.0 mm	4456	7003	10504	12732
2.0 mm	2228	3501	5252	6366
3.0 mm	1485	2334	3501	4244
4.0 mm	1114	1751	2626	3183
5.0 mm	891	1401	2101	2546
6.0 mm	743	1167	1751	2122
7.0 mm	637	1000	1501	1819
8.0 mm	557	875	1313	1592
9.0 mm	495	778	1167	1415
10.0 mm	446	700	1050	1340
11.0 mm	405	637	955	1157
12.0 mm	371	584	875	1061
13.0 mm	343	539	808	979

AUGER WOOD DRILLS (HEX/S&S) - RPM

DIAMETER	SOFTWOOD	HARDWOOD
6-10 mm	2000	1500
11-15 mm	1500	1250
16-20 mm	1250	1000
21-25 mm	1000	750
26-32 mm	750	500

FLAT WOOD BITS - RPM

DIAMETER	COMPOSITES & SOFTWOOD
10-13 mm	2000
14-25 mm	1750
26-40 mm	1500



Drilling speeds listed are a guide only



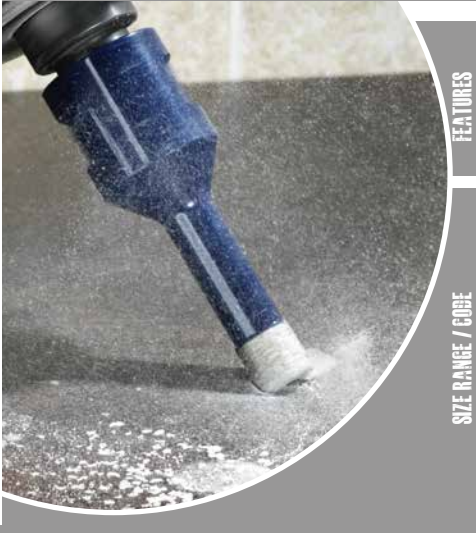
ULTRA

DRILL TILES WITH AN ANGLE GRINDER

DU-AGTD

USE ME FOR

Drilling the hardest of tiles:
 Porcelain (Grade 5) / Ceramic / Quarry tiles / Marble
 Terracotta / Glazed tiles / Terrazzo/ Agglomerates
 Cement / Glass / Granite
 High performance tile drilling



FEATURES

- > Superior grade diamond & brazed bond
- > M14 thread
- > Drill dry or wet
- > Wax filled up to 16mm diameter for cooling
- > Very fast, clean cutting with excellent life
- > 40 mm drilling depth

SIZE RANGE / CODE

6mm - RED PLUG	6DU-AGTD
7mm - BROWN PLUG	7DU-AGTD
8mm - FISCHER NYLON PLUG	8DU-AGTD
10mm - BLUE PLUG / BORE PIPE	10DU-AGTD
12mm - COACH SCREW	12DU-AGTD
16mm - 15mm COPPER PIPE	16DU-AGTD
20mm - 18mm COPPER PIPE	20DU-AGTD
22mm - 20mm COPPER PIPE	22DU-AGTD
27mm - 25mm COPPER PIPE	27DU-AGTD
35mm - 1-3/8" WASTE PIPE	35DU-AGTD
44 mm	44DU-AGTD
56 mm	56DU-AGTD
68 mm	68DU-AGTD

FAST TILE DRILLING WITH ANGLE GRINDERS!



BEST PRACTICE



Follow best practise guidelines for Vapodry tile drills on page 104

4 PIECE KIT - 6, 8, 10 & 12 mm

AGTD-KIT4



DRILL DRY OR WET IN THE HARDEST TILES

DU-CTD

USE ME FOR

Drilling wet or practically dry in the hardest tiles:
 Porcelain (Grade 5) / Ceramic / Quarry tiles / Marble
 Terracotta / Glazed tiles / Terrazzo/ Agglomerates
 Cement / Glass / Granite
 High performance diamond tile drilling

FEATURES

- > Superior grade diamond & vacuum brazed bond
- > Patented thin kerf design - 30 mm drilling depth
- > Tough alloy body for strength
- > Auto slug ejection with 3 flatted shank for grip
- > Market leading cutting speeds and life with water

SIZE RANGE / CODE

5mm - YELLOW PLUG	5DU-CTD-VAPODRY
6mm - RED PLUG	6DU-CTD-VAPODRY
7mm - BROWN PLUG	7DU-CTD-VAPODRY
8mm - FISCHER NYLON PLUG	8DU-CTD-VAPODRY
10mm - BLUE PLUG / BORE PIPE	10DU-CTD-VAPODRY
12mm - COACH SCREW	12DU-CTD-VAPODRY
16mm - 15mm COPPER PIPE	16DU-CTD-VAPODRY
20mm - 18mm COPPER PIPE	20DU-CTD-VAPODRY
25mm - 22mm COPPER PIPE	25DU-CTD-VAPODRY
30mm - 28mm COPPER PIPE	30DU-CTD-VAPODRY
35mm - 1-3/8" WASTE PIPE	35DU-CTD-VAPODRY



DRILL NEAR DRY IN THE HARDEST OF TILES!

MINIMAL COOLANT ALLOWS DRY DRILLING WITH EXCEPTIONAL WET DRILLING LIFE



WET DRILLING



DRY DRILLING

WET DRILLING

- > Drill with coolant to achieve market leading life & number of holes with excellent speed of cut

DRY DRILLING

- > Ideal for when you need to avoid tile or grout discolouration
- > First briefly spin the drill bit in some coolant
- > This is enough for water vapour to form in the barrel & enable penetration without the need for constant coolant flow
- > The life / number of holes produced will reduce without a constant flow of water

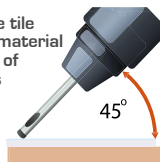
VAPODRY & DP-CTD DRY DRILL BEST PRACTICE



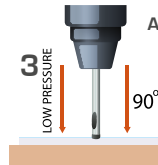
1 Pre-cool the tile drill with a brief dip in a coolant
 Run the power tool at full speed before beginning the cut



2 Offer up the tile drill to the material at an angle of 45 degrees



3 After creating a 'smile' cut in the material, raise the power tool to 90 degrees and apply gentle pressure





PLUS

DRILL DRY OR WET IN THE HARDEST TILES

DP-CTD

USE ME FOR

Drilling wet or practically dry in the hardest tiles:
 Porcelain (Grade 5) / Ceramic / Quarry tiles / Marble
 Terracotta / Glazed tiles / Terrazzo/ Agglomerates
 Cement / Glass / Granite
 Diamond tile drilling

FEATURES

- > High grade diamond & vacuum brazed bond
- > Patented thin kerf design - 40 mm drilling depth
- > Drill near dry or wet
- > Manual slug ejection
- > Round shank

SIZE RANGE / CODE

6mm - RED PLUG	6DP-CTD
7mm - BROWN PLUG	7DP-CTD
8mm - FISCHER NYLON PLUG	8DP-CTD
10mm - BLUE PLUG / BORE PIPE	10DP-CTD
12mm - COACH SCREW	12DP-CTD
16mm - 15mm COPPER PIPE	16DP-CTD



TILE DRILL FEATURES

ENABLING EFFICIENT PORCELAIN DRILLING

SUPERIOR GRADE DIAMOND
 SUPERIOR BRAZED BOND
 THIN KERF DESIGN

VAPOBRY

DP-CTD

HIGH GRADE DIAMOND
 SUPERIOR BRAZED BOND
 THIN KERF DESIGN

AUTO SLUG EJECTION

TOUGH ALLOY BODY

3 FLATTED SHANK



TOUGH ALLOY BODY

ROUND SHANK

- > Superior & high grade diamond enables easy start capability in the tightest of areas - without a guide
- > Low torque running speeds prolongs the battery life of cordless units
- > Ideal for professional tilers, plumbers, electricians & DIY

VAPOBRY & DP-CTD DRY DRILL BEST PRACTICE



4



Gently oscillate the tile drill in the hole being drilled. Use regular 5 second bursts during drilling

5



Ensure tile drills are pre-dipped into coolant before every hole is drilled as per point 1. Tiles of 10 mm thickness and above will require multiple dips



STANDARD

BI-METAL HOLESAW FOR WOOD, PLASTIC & METAL

D-BHS

USE ME FOR

Drill medium to soft materials hardwood, softwood, plywood, laminates, nailed wood, plastics, non-ferrous metals, steel, stainless steels (use cutting oils for steel)
Use with the pilot drill and arbor.
Specific sets for electrical and plumbing tradesmen.

FEATURES

- > 4 - 6 teeth per inch (TPI)
- > Fits all standard holesaw arbors (included in sets)
- > 38mm drilling depth
- > Bi-metal construction

SIZE RANGE / CODE



NEW

STANDARD

PLUMBERS KIT

CONTENTS

- > 6 piece kit in plastic carry case
- > Sizes included - 19, 22, 29, 38, 44 & 57 mm
- > Hex Adaptors
- > Pilot drills included in arbors



D-BHS-PLUMB-KIT

STANDARD

ELECTICIANS KIT

CONTENTS

- > 6 piece kit in plastic carry case
- > Sizes included - 16, 20, 22, 33, 40 & 51 mm
- > Hex Adaptors
- > Pilot drills included in arbors



D-BHS-ELEC-KIT



DIAMOND HOLESAW FOR MULTIPLE MATERIALS

DU-DHS

USE ME FOR

WET drilling - Grade 5 porcelain & quarry tiles / Granite Travertine / Marble / Reinforced glass & cement / Stone
 DRY drilling - Glass / Polymers / Fibreglass / Decking Plywood / MDF / Plastics/ Laminates/ Perspex/ Brick Paving / Cast iron / Virton / Aluminium

FEATURES

- > Superior grade diamond & vacuum brazed bond
- > Thin wall design to increase speed of cut
- > Incredible product life
- > Side slots for slug ejection
- > Use with standard holesaw adaptors

SIZE RANGE / CODE

19.0 x 40 mm	19DU-DHS
22.0 x 40 mm	22DU-DHS
29.0 x 40 mm	29DU-DHS
35.0 x 40 mm	35DU-DHS
38.0 x 40 mm	38DU-DHS
44.0 x 40 mm	44DU-DHS
57.0 x 40 mm	57DU-DHS
64.0 x 40 mm	64DU-DHS
68.0 x 40 mm	68DU-DHS
83.0 x 40 mm	83DU-DHS
85.0 x 40 mm	85DU-DHS
92.0 x 40 mm	92DU-DHS
102.0 x 40 mm	102DU-DHS
105.0 x 40 mm	105DU-DHS
114.0 x 40 mm	114DU-DHS



ONE HOLESAW FOR A WIDE RANGE OF MATERIALS

- > Unique tip design allows for drilling of multiple materials
- > Vacuum brazing enables extremely strong bond between body and diamond - giving resistance to excessive heat build up
- > Thin walled for rapid penetration & heat resistance

BEST PRACTICE



For materials not suited to the use of the pilot drill i.e. tile

For all other materials:

1. Start by drilling at 45 degrees, creating a 'smile'
2. Raise to a vertical position to continue drilling
3. Rotate slightly to ensure easy removal of material slug

4. Use the pilot drill inserted into the correct holesaw adaptor. This will penetrate the material first and then guide the holesaw to completion

Use coolant if the material requires it to reduce heat build up



ULTRA

COOL GEL

USE ME FOR

To prolong the life of tile drills and holesaws by cooling them at the cutting edge

Small amount of the cooling gel / wax is enough to keep drills cool for each hole

FEATURES

> Extends drilling product life

DU-COOL-GEL

ULTRA

HOLESAW ADAPTORS

USE ME FOR

Driving multi-purpose DU-DHS & D-BHS holesaws with SDS-Plus or hex options for small and large diameters

Standard fitting for all industry holesaws

RANGE

SDS 9.5 mm ADAPTOR (19-29 mm DIA)	DU-DHS-SDS-9.5A
SDS 13 mm ADAPTOR (35 mm+ DIA)	DU-DHS-SDS-13A
HEX 9.5 mm ADAPTOR (19-29 mm DIA)	DU-DHS-HEX-9.5
HEX 13 mm ADAPTOR (35 mm+ DIA)	DU-DHS-HEX-13

ULTRA

AUTO PILOT FOR HOLESAWS

USE ME FOR

Hole saw centering and slug ejection.

Autopilot allows holesaws to be used without the need for a traditional pilot drill

Enables auto ejection of difficult to remove material slugs

FEATURES

- > Carbide tipped for centering & slug ejection
- > Sprung pin for slug ejection
- > Replaces standard pin

DU-DHS-AP

BEST PRACTICE



- Remove standard pilot drill from holesaw adaptor
- Insert auto pilot into recess and re-tighten screw to ensure retention
- Position auto-pilot tip at the centre of required hole
- Start power tool at full power
- Slightly depress to form a pilot hole
- Fully depress auto-pilot until cutting teeth come in contact with material
- After completing the cut - the internal spring will assist with the quick and easy removal of the slug
- Auto-pilot can be adjusted or removed for drilling thicker materials

