



INDUSTRIAL TOOL & MACHINERY SALES®



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**PRODUCT CATALOGUE
SEPTEMBER 2021**

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ANNULAR CUTTERS SILVER SERIES METRIC

M2AL HIGH-SPEED STEEL MATERIAL

M2AL high-speed steel is a high alloy material with a hardness of up to 67.5 HRC, designed for increased endurance of the cutting edge and tool life.

STEP HARDENED PROCESS

This state-of-the-art manufacturing process produces cutters with extremely hard tooth tips for increased cutter performance, while maintaining a softer body which is less susceptible to breakage than standard high-speed steel cutters.

MULTI-CUT GEOMETRY

Provides smooth and fast cutting, with decreased chatter. This also increases the cutter's ability to remove swarf away from the cut and helps to enhance centring.

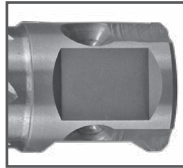
FULLY GROUND WITH INTERNAL RELIEF

This feature allows Holemaker cutters to produce reamed quality, burr-free holes, and also helps to reduce torque and horsepower requirements.

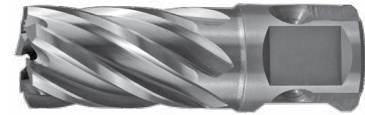
UNIVERSAL SHANK

19.05mm (3/4") universal shank for cutters up to and including 60mm diameter. Featuring 2 flat sections to suit most magnetic base drilling machines.

Cutters of diameters 61mm and above feature a 31.75mm, 1-1/4" Weldon shank.



METRIC SILVER SERIES 25MM DEPTH OF CUT



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
AS1225	12mm	25mm	6.34mm	3/4" (19.05mm)
AS1325	13mm	25mm	6.34mm	3/4" (19.05mm)
AS1425	14mm	25mm	6.34mm	3/4" (19.05mm)
AS1525	15mm	25mm	6.34mm	3/4" (19.05mm)
AS1625	16mm	25mm	6.34mm	3/4" (19.05mm)
AS1725	17mm	25mm	6.34mm	3/4" (19.05mm)
AS1825	18mm	25mm	6.34mm	3/4" (19.05mm)
AS1925	19mm	25mm	6.34mm	3/4" (19.05mm)
AS2025	20mm	25mm	6.34mm	3/4" (19.05mm)
AS2125	21mm	25mm	6.34mm	3/4" (19.05mm)
AS2225	22mm	25mm	6.34mm	3/4" (19.05mm)
AS2325	23mm	25mm	6.34mm	3/4" (19.05mm)
AS2425	24mm	25mm	6.34mm	3/4" (19.05mm)
AS2525	25mm	25mm	6.34mm	3/4" (19.05mm)
AS2625	26mm	25mm	6.34mm	3/4" (19.05mm)
AS2725	27mm	25mm	6.34mm	3/4" (19.05mm)
AS2825	28mm	25mm	6.34mm	3/4" (19.05mm)
AS2925	29mm	25mm	6.34mm	3/4" (19.05mm)
AS3025	30mm	25mm	6.34mm	3/4" (19.05mm)
AS3125	31mm	25mm	6.34mm	3/4" (19.05mm)
AS3225	32mm	25mm	6.34mm	3/4" (19.05mm)
AS3325	33mm	25mm	6.34mm	3/4" (19.05mm)
AS3425	34mm	25mm	6.34mm	3/4" (19.05mm)
AS3525	35mm	25mm	6.34mm	3/4" (19.05mm)
AS3625	36mm	25mm	6.34mm	3/4" (19.05mm)
AS3725	37mm	25mm	6.34mm	3/4" (19.05mm)
AS3825	38mm	25mm	6.34mm	3/4" (19.05mm)
AS3925	39mm	25mm	6.34mm	3/4" (19.05mm)
AS4025	40mm	25mm	6.34mm	3/4" (19.05mm)
AS4125	41mm	25mm	6.34mm	3/4" (19.05mm)
AS4225	42mm	25mm	6.34mm	3/4" (19.05mm)
AS4325	43mm	25mm	6.34mm	3/4" (19.05mm)
AS4425	44mm	25mm	6.34mm	3/4" (19.05mm)
AS4525	45mm	25mm	6.34mm	3/4" (19.05mm)
AS4625	46mm	25mm	6.34mm	3/4" (19.05mm)
AS4725	47mm	25mm	6.34mm	3/4" (19.05mm)
AS4825	48mm	25mm	6.34mm	3/4" (19.05mm)
AS4925	49mm	25mm	6.34mm	3/4" (19.05mm)
AS5025	50mm	25mm	6.34mm	3/4" (19.05mm)
AS5125	51mm	25mm	6.34mm	3/4" (19.05mm)
AS5225	52mm	25mm	6.34mm	3/4" (19.05mm)

6.34mm Pilot Pin to suit - Part# SP16003

**METRIC SILVER SERIES
50MM DEPTH OF CUT**

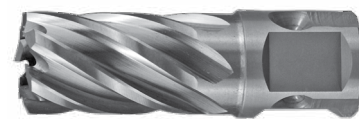


Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
AS1250	12mm	50mm	6.34mm	3/4" (19.05mm)
AS1350	13mm	50mm	6.34mm	3/4" (19.05mm)
AS1450	14mm	50mm	6.34mm	3/4" (19.05mm)
AS1550	15mm	50mm	6.34mm	3/4" (19.05mm)
AS1650	16mm	50mm	6.34mm	3/4" (19.05mm)
AS1750	17mm	50mm	6.34mm	3/4" (19.05mm)
AS1850	18mm	50mm	6.34mm	3/4" (19.05mm)
AS1950	19mm	50mm	6.34mm	3/4" (19.05mm)
AS2050	20mm	50mm	6.34mm	3/4" (19.05mm)
AS2150	21mm	50mm	6.34mm	3/4" (19.05mm)
AS2250	22mm	50mm	6.34mm	3/4" (19.05mm)
AS2350	23mm	50mm	6.34mm	3/4" (19.05mm)
AS2450	24mm	50mm	6.34mm	3/4" (19.05mm)
AS2550	25mm	50mm	6.34mm	3/4" (19.05mm)
AS2650	26mm	50mm	6.34mm	3/4" (19.05mm)
AS2750	27mm	50mm	6.34mm	3/4" (19.05mm)
AS2850	28mm	50mm	6.34mm	3/4" (19.05mm)
AS2950	29mm	50mm	6.34mm	3/4" (19.05mm)
AS3050	30mm	50mm	6.34mm	3/4" (19.05mm)
AS3150	31mm	50mm	6.34mm	3/4" (19.05mm)
AS3250	32mm	50mm	6.34mm	3/4" (19.05mm)
AS3350	33mm	50mm	6.34mm	3/4" (19.05mm)
AS3450	34mm	50mm	6.34mm	3/4" (19.05mm)
AS3550	35mm	50mm	6.34mm	3/4" (19.05mm)
AS3650	36mm	50mm	6.34mm	3/4" (19.05mm)
AS3750	37mm	50mm	6.34mm	3/4" (19.05mm)
AS3850	38mm	50mm	6.34mm	3/4" (19.05mm)
AS3950	39mm	50mm	6.34mm	3/4" (19.05mm)
AS4050	40mm	50mm	6.34mm	3/4" (19.05mm)
AS4150	41mm	50mm	6.34mm	3/4" (19.05mm)
AS4250	42mm	50mm	6.34mm	3/4" (19.05mm)
AS4350	43mm	50mm	6.34mm	3/4" (19.05mm)
AS4450	44mm	50mm	6.34mm	3/4" (19.05mm)
AS4550	45mm	50mm	6.34mm	3/4" (19.05mm)
AS4650	46mm	50mm	6.34mm	3/4" (19.05mm)
AS4750	47mm	50mm	6.34mm	3/4" (19.05mm)
AS4850	48mm	50mm	6.34mm	3/4" (19.05mm)
AS4950	49mm	50mm	6.34mm	3/4" (19.05mm)
AS5050	50mm	50mm	6.34mm	3/4" (19.05mm)
AS5150	51mm	50mm	6.34mm	3/4" (19.05mm)
AS5250	52mm	50mm	6.34mm	3/4" (19.05mm)
AS5550	55mm	50mm	6.34mm	3/4" (19.05mm)
AS6050	60mm	50mm	6.34mm	3/4" (19.05mm)
AS6150	61mm	50mm	6.34mm	1-1/4" (31.75mm)
AS6250	62mm	50mm	6.34mm	1-1/4" (31.75mm)
AS6350	63mm	50mm	6.34mm	1-1/4" (31.75mm)
AS6450	64mm	50mm	6.34mm	1-1/4" (31.75mm)
AS6550	65mm	50mm	6.34mm	1-1/4" (31.75mm)

3/4" Shank requires 6.34mm Pilot Pin to suit - Part# **SP16004**
1-1/4" Shank requires 6.34mm Pilot Pin to suit - Part# **SP16008**

SILVER SERIES IMPERIAL

**IMPERIAL SILVER SERIES
1" DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
HM7/16X1	7/16"	11.11mm	1"	4.70mm 3/4" (19.05mm)
HM1/2X1	1/2"	12.70mm	1"	6.34mm 3/4" (19.05mm)
HM9/16X1	9/16"	14.28mm	1"	6.34mm 3/4" (19.05mm)
HM5/8X1	5/8"	15.87mm	1"	6.34mm 3/4" (19.05mm)
HM11/16X1	11/16"	17.46mm	1"	6.34mm 3/4" (19.05mm)
HM3/4X1	3/4"	19.05mm	1"	6.34mm 3/4" (19.05mm)
HM13/16X1	13/16"	20.64mm	1"	6.34mm 3/4" (19.05mm)
HM7/8X1	7/8"	22.22mm	1"	6.34mm 3/4" (19.05mm)
HM15/16X1	15/16"	23.81mm	1"	6.34mm 3/4" (19.05mm)
HM1X1	1"	25.40mm	1"	6.34mm 3/4" (19.05mm)
HM1-1/8X1	1-1/8"	28.57mm	1"	6.34mm 3/4" (19.05mm)
HM1-3/16X1	1-3/16"	30.16mm	1"	6.34mm 3/4" (19.05mm)
HM1-1/4X1	1-1/4"	31.75mm	1"	6.34mm 3/4" (19.05mm)
HM1-5/16X1	1-5/16"	33.34mm	1"	6.34mm 3/4" (19.05mm)
HM1-3/8X1	1-3/8"	34.92mm	1"	6.34mm 3/4" (19.05mm)
HM1-1/2X1	1-1/2"	38.10mm	1"	6.34mm 3/4" (19.05mm)
HM1-5/8X1	1-5/8"	41.27mm	1"	6.34mm 3/4" (19.05mm)
HM1-3/4X1	1-3/4"	44.45mm	1"	6.34mm 3/4" (19.05mm)
HM1-7/8X1	1-7/8"	47.62mm	1"	6.34mm 3/4" (19.05mm)
HM2X1	2"	50.80mm	1"	6.34mm 3/4" (19.05mm)

4.70mm Pilot Pin to suit - Part# **SP16001**
6.34mm Pilot Pin to suit - Part# **SP16003**

**IMPERIAL SILVER SERIES
2" DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
HM27/64X2	27/64"	10.71mm	2"	4.70mm 3/4" (19.05mm)
HM7/16X2	7/16"	11.11mm	2"	4.70mm 3/4" (19.05mm)
HM1/2X2	1/2"	12.70mm	2"	6.34mm 3/4" (19.05mm)
HM9/16X2	9/16"	14.28mm	2"	6.34mm 3/4" (19.05mm)
HM5/8X2	5/8"	15.87mm	2"	6.34mm 3/4" (19.05mm)
HM11/16X2	11/16"	17.46mm	2"	6.34mm 3/4" (19.05mm)
HM3/4X2	3/4"	19.05mm	2"	6.34mm 3/4" (19.05mm)
HM13/16X2	13/16"	20.64mm	2"	6.34mm 3/4" (19.05mm)
HM7/8X2	7/8"	22.22mm	2"	6.34mm 3/4" (19.05mm)
HM15/16X2	15/16"	23.81mm	2"	6.34mm 3/4" (19.05mm)
HM1X2	1"	25.40mm	2"	6.34mm 3/4" (19.05mm)
HM1-1/8X2	1-1/8"	28.57mm	2"	6.34mm 3/4" (19.05mm)
HM1-3/16X2	1-3/16"	30.16mm	2"	6.34mm 3/4" (19.05mm)
HM1-1/4X2	1-1/4"	31.75mm	2"	6.34mm 3/4" (19.05mm)
HM1-5/16X2	1-5/16"	33.34mm	2"	6.34mm 3/4" (19.05mm)
HM1-3/8X2	1-3/8"	34.92mm	2"	6.34mm 3/4" (19.05mm)
HM1-1/2X2	1-1/2"	38.10mm	2"	6.34mm 3/4" (19.05mm)
HM1-5/8X2	1-5/8"	41.27mm	2"	6.34mm 3/4" (19.05mm)
HM1-3/4X2	1-3/4"	44.45mm	2"	6.34mm 3/4" (19.05mm)
HM1-7/8X2	1-7/8"	47.62mm	2"	6.34mm 3/4" (19.05mm)
HM2X2	2"	50.80mm	2"	6.34mm 3/4" (19.05mm)
HM2-1/16X2	2-1/16"	52.39mm	2"	6.34mm 3/4" (19.05mm)
HM2-1/8X2	2-1/8"	53.97mm	2"	6.34mm 3/4" (19.05mm)
HM2-1/4X2	2-1/4"	57.15mm	2"	6.34mm 3/4" (19.05mm)

4.70mm Pilot Pin to suit - Part# **SP16002**
6.34mm Pilot Pin to suit - Part# **SP16004**

SILVER SERIES ANNULAR CUTTER SETS

All sets include pilot pins



ASSET-A SHORT SERIES METRIC - 5 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AS1425	14mm	25mm
1	AS1625	16mm	25mm
1	AS1825	18mm	25mm
1	AS2025	20mm	25mm
1	AS2225	22mm	25mm

ASSET-B SHORT SERIES METRIC SET - 10 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AS1225	12mm	25mm
1	AS1325	13mm	25mm
1	AS1425	14mm	25mm
1	AS1625	16mm	25mm
1	AS1725	17mm	25mm
1	AS1825	18mm	25mm
1	AS2025	20mm	25mm
1	AS2225	22mm	25mm
1	AS2425	24mm	25mm
1	AS2625	26mm	25mm

ASSET-C LONG SERIES METRIC SET - 5 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AS1450	14mm	50mm
1	AS1650	16mm	50mm
1	AS1850	18mm	50mm
1	AS2050	20mm	50mm
1	AS2250	22mm	50mm

ASSET-D COMBINATION METRIC SET - 10 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AS1425	14mm	25mm
1	AS1625	16mm	25mm
1	AS1825	18mm	25mm
1	AS2025	20mm	25mm
1	AS2225	22mm	25mm
1	AS1450	14mm	50mm
1	AS1650	16mm	50mm
1	AS1850	18mm	50mm
1	AS2050	20mm	50mm
1	AS2250	22mm	50mm

ASSET-G SHORT SERIES METRIC SET - 6 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AS1325	13mm	25mm
1	AS1425	14mm	25mm
1	AS1625	16mm	25mm
1	AS1825	18mm	25mm
1	AS2225	22mm	25mm
1	AS2625	26mm	25mm

ASSET-K LONG SERIES METRIC SET - 6 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AS1350	13mm	50mm
1	AS1450	14mm	50mm
1	AS1650	16mm	50mm
1	AS1850	18mm	50mm
1	AS2250	22mm	50mm
1	AS2650	26mm	50mm

ASSET-Z SHORT SERIES METRIC SET - 3 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AS1425	14mm	25mm
1	AS1825	18mm	25mm
1	AS2225	22mm	25mm

HMSET-E SHORT SERIES IMPERIAL SET - 5 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	HM1/2X1	1/2"	1"
1	HM5/8X1	5/8"	1"
1	HM3/4X1	3/4"	1"
1	HM7/8X1	7/8"	1"
1	HM1X1	1"	1"

HMSET-F COMBINATION IMPERIAL SET - 10 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	HM1/2X1	1/2"	1"
1	HM5/8X1	5/8"	1"
1	HM3/4X1	3/4"	1"
1	HM7/8X1	7/8"	1"
1	HM1X1	1"	1"
1	HM1/2X2	1/2"	2"
1	HM5/8X2	5/8"	2"
1	HM3/4X2	3/4"	2"
1	HM7/8X2	7/8"	2"
1	HM1X2	1"	2"

ANNULAR CUTTERS GOLD SERIES METRIC

TITANIUM NITRIDE COATING

The titanium nitride coating significantly increases the tool life by providing the following benefits:

- Increased surface hardness to 85HRC
- Ceramic surface, reducing friction by up to 30%
- Especially resistant to cold welding
- Suitable for cutting a wide range of materials

M2AL HIGH-SPEED STEEL MATERIAL

M2AL high-speed steel is a high alloy material with a hardness of up to 67.5 HRC, designed for increased endurance of the cutting edge and tool life

STEP HARDENED PROCESS

This state-of-the-art manufacturing process produces cutters with extremely hard tooth tips for increased cutter performance, while maintaining a softer body which is less susceptible to breakage than standard high-speed steel cutters.

MULTI-CUT GEOMETRY

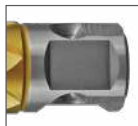
Provides smooth and fast cutting, with decreased chatter. This also increases the cutters ability to remove swarf away from the cut, and helps to enhance centring.

FULLY GROUND WITH INTERNAL RELIEF

This feature allows Holemaker cutters to produce reamed quality, burr-free holes, and also helps to reduce torque and horsepower requirements

UNIVERSAL SHANK

19.05mm (3/4") universal shank with 2 flat sections to suit most magnetic base drilling machines



METRIC GOLD SERIES 25MM DEPTH OF CUT



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
AT1225	12mm	25mm	6.34mm	3/4" (19.05mm)
AT1325	13mm	25mm	6.34mm	3/4" (19.05mm)
AT1425	14mm	25mm	6.34mm	3/4" (19.05mm)
AT1525	15mm	25mm	6.34mm	3/4" (19.05mm)
AT1625	16mm	25mm	6.34mm	3/4" (19.05mm)
AT16.525	16.5mm	25mm	6.34mm	3/4" (19.05mm)
AT1725	17mm	25mm	6.34mm	3/4" (19.05mm)
AT1825	18mm	25mm	6.34mm	3/4" (19.05mm)
AT1925	19mm	25mm	6.34mm	3/4" (19.05mm)
AT2025	20mm	25mm	6.34mm	3/4" (19.05mm)
AT2125	21mm	25mm	6.34mm	3/4" (19.05mm)
AT2225	22mm	25mm	6.34mm	3/4" (19.05mm)
AT2325	23mm	25mm	6.34mm	3/4" (19.05mm)
AT2425	24mm	25mm	6.34mm	3/4" (19.05mm)
AT2525	25mm	25mm	6.34mm	3/4" (19.05mm)
AT2625	26mm	25mm	6.34mm	3/4" (19.05mm)
AT2725	27mm	25mm	6.34mm	3/4" (19.05mm)
AT2825	28mm	25mm	6.34mm	3/4" (19.05mm)
AT2925	29mm	25mm	6.34mm	3/4" (19.05mm)
AT3025	30mm	25mm	6.34mm	3/4" (19.05mm)
AT3125	31mm	25mm	6.34mm	3/4" (19.05mm)
AT3225	32mm	25mm	6.34mm	3/4" (19.05mm)
AT3325	33mm	25mm	6.34mm	3/4" (19.05mm)
AT3425	34mm	25mm	6.34mm	3/4" (19.05mm)
AT3525	35mm	25mm	6.34mm	3/4" (19.05mm)
AT3625	36mm	25mm	6.34mm	3/4" (19.05mm)
AT3725	37mm	25mm	6.34mm	3/4" (19.05mm)
AT3825	38mm	25mm	6.34mm	3/4" (19.05mm)
AT3925	39mm	25mm	6.34mm	3/4" (19.05mm)
AT4025	40mm	25mm	6.34mm	3/4" (19.05mm)
AT4125	41mm	25mm	6.34mm	3/4" (19.05mm)
AT4225	42mm	25mm	6.34mm	3/4" (19.05mm)
AT4325	43mm	25mm	6.34mm	3/4" (19.05mm)
AT4425	44mm	25mm	6.34mm	3/4" (19.05mm)
AT4525	45mm	25mm	6.34mm	3/4" (19.05mm)
AT4625	46mm	25mm	6.34mm	3/4" (19.05mm)
AT4725	47mm	25mm	6.34mm	3/4" (19.05mm)
AT4825	48mm	25mm	6.34mm	3/4" (19.05mm)
AT4925	49mm	25mm	6.34mm	3/4" (19.05mm)
AT5025	50mm	25mm	6.34mm	3/4" (19.05mm)
AT5125	51mm	25mm	6.34mm	3/4" (19.05mm)
AT5225	52mm	25mm	6.34mm	3/4" (19.05mm)

4.70mm Pilot Pin to suit - Part# **SP16001**

6.34mm Pilot Pin to suit - Part# **SP16003**

**METRIC GOLD SERIES
50MM DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
AT1250	12mm	50mm	6.34mm	3/4" (19.05mm)
AT1350	13mm	50mm	6.34mm	3/4" (19.05mm)
AT1450	14mm	50mm	6.34mm	3/4" (19.05mm)
AT1550	15mm	50mm	6.34mm	3/4" (19.05mm)
AT1650	16mm	50mm	6.34mm	3/4" (19.05mm)
AT16.550	16.5mm	50mm	6.34mm	3/4" (19.05mm)
AT1750	17mm	50mm	6.34mm	3/4" (19.05mm)
AT1850	18mm	50mm	6.34mm	3/4" (19.05mm)
AT1950	19mm	50mm	6.34mm	3/4" (19.05mm)
AT2050	20mm	50mm	6.34mm	3/4" (19.05mm)
AT2150	21mm	50mm	6.34mm	3/4" (19.05mm)
AT2250	22mm	50mm	6.34mm	3/4" (19.05mm)
AT2350	23mm	50mm	6.34mm	3/4" (19.05mm)
AT2450	24mm	50mm	6.34mm	3/4" (19.05mm)
AT2550	25mm	50mm	6.34mm	3/4" (19.05mm)
AT2650	26mm	50mm	6.34mm	3/4" (19.05mm)
AT2750	27mm	50mm	6.34mm	3/4" (19.05mm)
AT2850	28mm	50mm	6.34mm	3/4" (19.05mm)
AT2950	29mm	50mm	6.34mm	3/4" (19.05mm)
AT3050	30mm	50mm	6.34mm	3/4" (19.05mm)
AT3150	31mm	50mm	6.34mm	3/4" (19.05mm)
AT3250	32mm	50mm	6.34mm	3/4" (19.05mm)
AT3350	33mm	50mm	6.34mm	3/4" (19.05mm)
AT3450	34mm	50mm	6.34mm	3/4" (19.05mm)
AT3550	35mm	50mm	6.34mm	3/4" (19.05mm)
AT3650	36mm	50mm	6.34mm	3/4" (19.05mm)
AT3750	37mm	50mm	6.34mm	3/4" (19.05mm)
AT3850	38mm	50mm	6.34mm	3/4" (19.05mm)
AT3950	39mm	50mm	6.34mm	3/4" (19.05mm)
AT4050	40mm	50mm	6.34mm	3/4" (19.05mm)
AT4150	41mm	50mm	6.34mm	3/4" (19.05mm)
AT4250	42mm	50mm	6.34mm	3/4" (19.05mm)
AT4350	43mm	50mm	6.34mm	3/4" (19.05mm)
AT4450	44mm	50mm	6.34mm	3/4" (19.05mm)
AT4550	45mm	50mm	6.34mm	3/4" (19.05mm)
AT4650	46mm	50mm	6.34mm	3/4" (19.05mm)
AT4750	47mm	50mm	6.34mm	3/4" (19.05mm)
AT4850	48mm	50mm	6.34mm	3/4" (19.05mm)
AT4950	49mm	50mm	6.34mm	3/4" (19.05mm)
AT5050	50mm	50mm	6.34mm	3/4" (19.05mm)
AT5150	51mm	50mm	6.34mm	3/4" (19.05mm)
AT5250	52mm	50mm	6.34mm	3/4" (19.05mm)
AT5550	55mm	50mm	6.34mm	3/4" (19.05mm)
AT5950	59mm	50mm	6.34mm	3/4" (19.05mm)
AT6050	60mm	50mm	6.34mm	3/4" (19.05mm)

6.34mm Pilot Pin to suit - Part# **SP16004**

**METRIC GOLD SERIES
75MM DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
AT1875	18mm	75mm	8mm	3/4" (19.05mm)
AT1975	19mm	75mm	8mm	3/4" (19.05mm)
AT2075	20mm	75mm	8mm	3/4" (19.05mm)
AT2175	21mm	75mm	8mm	3/4" (19.05mm)
AT2275	22mm	75mm	8mm	3/4" (19.05mm)
AT2375	23mm	75mm	8mm	3/4" (19.05mm)
AT2475	24mm	75mm	8mm	3/4" (19.05mm)
AT2575	25mm	75mm	8mm	3/4" (19.05mm)
AT2675	26mm	75mm	8mm	3/4" (19.05mm)
AT2775	27mm	75mm	8mm	3/4" (19.05mm)
AT2875	28mm	75mm	8mm	3/4" (19.05mm)
AT2975	29mm	75mm	8mm	3/4" (19.05mm)
AT3075	30mm	75mm	8mm	3/4" (19.05mm)
AT3175	31mm	75mm	8mm	3/4" (19.05mm)
AT3275	32mm	75mm	8mm	3/4" (19.05mm)

8mm Pilot Pin to suit - Part# **SP18075**

**FOR LARGER CUTTER SIZES
SEE MAXI-CUT SERIES ON PAGES 32 TO 36**



GOLD SERIES ANNULAR CUTTER SETS

All sets include pilot pins



PART NO. **ATSET-A** SHORT SERIES METRIC SET - 5 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AT1425	14mm	25mm
1	AT1625	16mm	25mm
1	AT1825	18mm	25mm
1	AT2025	20mm	25mm
1	AT2225	22mm	25mm

PART NO. **ATSET-B** SHORT SERIES METRIC SET - 10 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AT1225	12mm	25mm
1	AT1325	13mm	25mm
1	AT1425	14mm	25mm
1	AT1625	16mm	25mm
1	AT1725	17mm	25mm
1	AT1825	18mm	25mm
1	AT2025	20mm	25mm
1	AT2225	22mm	25mm
1	AT2425	24mm	25mm
1	AT2625	26mm	25mm

PART NO. **ATSET-C** LONG SERIES METRIC SET - 5 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AT1450	14mm	50mm
1	AT1650	16mm	50mm
1	AT1850	18mm	50mm
1	AT2050	20mm	50mm
1	AT2250	22mm	50mm

PART NO. **ATSET-D** COMBINATION METRIC SET - 10 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AT1425	14mm	25mm
1	AT1625	16mm	25mm
1	AT1825	18mm	25mm
1	AT2025	20mm	25mm
1	AT2225	22mm	25mm
1	AT1450	14mm	50mm
1	AT1650	16mm	50mm
1	AT1850	18mm	50mm
1	AT2050	20mm	50mm
1	AT2250	22mm	50mm

PART NO. **ATSET-G** SHORT SERIES METRIC SET - 6 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AT1325	13mm	25mm
1	AT1425	14mm	25mm
1	AT1625	16mm	25mm
1	AT1825	18mm	25mm
1	AT2225	22mm	25mm
1	AT2625	26mm	25mm

PART NO. **ATSET-K** LONG SERIES METRIC SET - 6 CUTTERS

Quantity	Part No.	Diameter	Depth Of Cut
1	AT1350	13mm	50mm
1	AT1450	14mm	50mm
1	AT1650	16mm	50mm
1	AT1850	18mm	50mm
1	AT2250	22mm	50mm
1	AT2650	26mm	50mm

PRO-CUT ASP® POWDER STEEL

Pro-Cut ASP® powder steel cutters offer incredible wear resistance & ductility.

ASP® steels are produced by powder metallurgy through a 3-step process: gas-atomisation, hot isostatic pressing and post processing operations such as forging, rolling or drawing.

Suitable for drilling railway line, stainless-steel & hardened steels, where high wear resistance and lifetime are required.

- Incredible wear resistance
- Uniform micro-structure
- Less susceptible to breakage



PRO-CUT 25MM DEPTH OF CUT

Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
PC1225	12mm	25mm	6.34mm	3/4" (19.05mm)
PC1325	13mm	25mm	6.34mm	3/4" (19.05mm)
PC1425	14mm	25mm	6.34mm	3/4" (19.05mm)
PC1625	16mm	25mm	6.34mm	3/4" (19.05mm)
PC1825	18mm	25mm	6.34mm	3/4" (19.05mm)
PC1925	19mm	25mm	6.34mm	3/4" (19.05mm)
PC2025	20mm	25mm	6.34mm	3/4" (19.05mm)
PC2225	22mm	25mm	6.34mm	3/4" (19.05mm)

6.34mm Pilot Pin to suit - Part# SP16003



PRO-CUT 50MM DEPTH OF CUT

Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
PC1250	12mm	50mm	6.34mm	3/4" (19.05mm)
PC1350	13mm	50mm	6.34mm	3/4" (19.05mm)
PC1450	14mm	50mm	6.34mm	3/4" (19.05mm)
PC1650	16mm	50mm	6.34mm	3/4" (19.05mm)
PC1850	18mm	50mm	6.34mm	3/4" (19.05mm)
PC1950	19mm	50mm	6.34mm	3/4" (19.05mm)
PC2050	20mm	50mm	6.34mm	3/4" (19.05mm)
PC2250	22mm	50mm	6.34mm	3/4" (19.05mm)

6.34mm Pilot Pin to suit - Part# SP16004

Comparison photo of the Holemaker PRO-CUT Annular Cutter versus standard annular cutters when cutting 500BHN plate steel. The comparison video can be viewed on our website.



PRO-CUT Annular Cutters

- Minimal wear
- Optimal life



Standard Cutters

- Cutter burnt out
- High wear

MAXI-RAIL

- Tungsten Carbide Tipped specifically designed for drilling railway line
- Suitable for drilling other hard materials such as wear plate



METRIC MAXI-RAIL 25MM DEPTH OF CUT

Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
HMRAIL1825	18mm	25mm	8mm	3/4" (19.05mm)
HMRAIL1925	19mm	25mm	8mm	3/4" (19.05mm)
HMRAIL2025	20mm	25mm	8mm	3/4" (19.05mm)
HMRAIL2225	22mm	25mm	8mm	3/4" (19.05mm)
HMRAIL2425	24mm	25mm	8mm	3/4" (19.05mm)
HMRAIL2525	25mm	25mm	8mm	3/4" (19.05mm)
HMRAIL2625	26mm	25mm	8mm	3/4" (19.05mm)
HMRAIL2725	27mm	25mm	8mm	3/4" (19.05mm)
HMRAIL2825	28mm	25mm	8mm	3/4" (19.05mm)
HMRAIL3025	30mm	25mm	8mm	3/4" (19.05mm)
HMRAIL3225	32mm	25mm	8mm	3/4" (19.05mm)
HMRAIL3525	35mm	25mm	8mm	3/4" (19.05mm)

8mm Pilot Pin to suit - Part# SP18025

MAXI-CUT TUNGSTEN CARBIDE TIPPED ANNULAR CUTTERS

- Provides excellent life in mild steel
- Also suitable for drilling difficult materials eg. stainless-steel, wear plate
- Alloy metal body, and tungsten carbide cutting teeth
- Less susceptible to breakage than standard high-speed steel cutters, especially in larger diameters and lengths
- The tungsten carbide cutting teeth can also be sharpened and replaced
- Large range available in sizes 5/8" to 2-1/2" diameters, and lengths up to 4" imperial and available in sizes 12-200mm diameters, and lengths up to 200mm metric

METRIC MAXI-CUT 35MM DEPTH OF CUT



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
MAX35-12	12mm	35mm	6.34mm	3/4" (19.05mm)
MAX35-13	13mm	35mm	6.34mm	3/4" (19.05mm)
MAX35-14	14mm	35mm	6.34mm	3/4" (19.05mm)
MAX35-15	15mm	35mm	6.34mm	3/4" (19.05mm)
MAX35-16	16mm	35mm	6.34mm	3/4" (19.05mm)
MAX35-17	17mm	35mm	6.34mm	3/4" (19.05mm)
MAX35-18	18mm	35mm	8mm	3/4" (19.05mm)
MAX35-19	19mm	35mm	8mm	3/4" (19.05mm)
MAX35-20	20mm	35mm	8mm	3/4" (19.05mm)
MAX35-21	21mm	35mm	8mm	3/4" (19.05mm)
MAX35-22	22mm	35mm	8mm	3/4" (19.05mm)
MAX35-23	23mm	35mm	8mm	3/4" (19.05mm)
MAX35-24	24mm	35mm	8mm	3/4" (19.05mm)
MAX35-25	25mm	35mm	8mm	3/4" (19.05mm)
MAX35-26	26mm	35mm	8mm	3/4" (19.05mm)
MAX35-27	27mm	35mm	8mm	3/4" (19.05mm)
MAX35-28	28mm	35mm	8mm	3/4" (19.05mm)
MAX35-29	29mm	35mm	8mm	3/4" (19.05mm)
MAX35-30	30mm	35mm	8mm	3/4" (19.05mm)
MAX35-31	31mm	35mm	8mm	3/4" (19.05mm)
MAX35-32	32mm	35mm	8mm	3/4" (19.05mm)
MAX35-35	35mm	35mm	8mm	3/4" (19.05mm)
MAX35-36	36mm	35mm	8mm	3/4" (19.05mm)
MAX35-38	38mm	35mm	8mm	3/4" (19.05mm)
MAX35-40	40mm	35mm	8mm	3/4" (19.05mm)

6.34mm Pilot Pin to suit - Part# **SP16015**

8mm Pilot Pin to suit - Part# **SP18035**

**METRIC MAXI-CUT
50MM DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
3/4" SHANK TYPE				
MAX50-12	12mm	50mm	6.34mm	3/4" (19.05mm)
MAX50-13	13mm	50mm	6.34mm	3/4" (19.05mm)
MAX50-14	14mm	50mm	6.34mm	3/4" (19.05mm)
MAX50-15	15mm	50mm	6.34mm	3/4" (19.05mm)
MAX50-16	16mm	50mm	6.34mm	3/4" (19.05mm)
MAX50-17	17mm	50mm	6.34mm	3/4" (19.05mm)
MAX50-18	18mm	50mm	8mm	3/4" (19.05mm)
MAX50-19	19mm	50mm	8mm	3/4" (19.05mm)
MAX50-20	20mm	50mm	8mm	3/4" (19.05mm)
MAX50-21	21mm	50mm	8mm	3/4" (19.05mm)
MAX50-22	22mm	50mm	8mm	3/4" (19.05mm)
MAX50-23	23mm	50mm	8mm	3/4" (19.05mm)
MAX50-24	24mm	50mm	8mm	3/4" (19.05mm)
MAX50-25	25mm	50mm	8mm	3/4" (19.05mm)
MAX50-26	26mm	50mm	8mm	3/4" (19.05mm)
MAX50-27	27mm	50mm	8mm	3/4" (19.05mm)
MAX50-28	28mm	50mm	8mm	3/4" (19.05mm)
MAX50-29	29mm	50mm	8mm	3/4" (19.05mm)
MAX50-30	30mm	50mm	8mm	3/4" (19.05mm)
MAX50-31	31mm	50mm	8mm	3/4" (19.05mm)
MAX50-32	32mm	50mm	8mm	3/4" (19.05mm)
MAX50-33	33mm	50mm	8mm	3/4" (19.05mm)
MAX50-34	34mm	50mm	8mm	3/4" (19.05mm)
MAX50-35	35mm	50mm	8mm	3/4" (19.05mm)
MAX50-36	36mm	50mm	8mm	3/4" (19.05mm)
MAX50-37	37mm	50mm	8mm	3/4" (19.05mm)
MAX50-38	38mm	50mm	8mm	3/4" (19.05mm)
MAX50-39	39mm	50mm	8mm	3/4" (19.05mm)
MAX50-40	40mm	50mm	8mm	3/4" (19.05mm)
MAX50-41	41mm	50mm	8mm	3/4" (19.05mm)
MAX50-42	42mm	50mm	8mm	3/4" (19.05mm)
MAX50-43	43mm	50mm	8mm	3/4" (19.05mm)
MAX50-44	44mm	50mm	8mm	3/4" (19.05mm)
MAX50-45	45mm	50mm	8mm	3/4" (19.05mm)
MAX50-46	46mm	50mm	8mm	3/4" (19.05mm)
MAX50-47	47mm	50mm	8mm	3/4" (19.05mm)
MAX50-48	48mm	50mm	8mm	3/4" (19.05mm)
MAX50-49	49mm	50mm	8mm	3/4" (19.05mm)
MAX50-50	50mm	50mm	8mm	3/4" (19.05mm)
MAX50-51	51mm	50mm	8mm	3/4" (19.05mm)
MAX50-52	52mm	50mm	8mm	3/4" (19.05mm)
MAX50-53	53mm	50mm	8mm	3/4" (19.05mm)
MAX50-54	54mm	50mm	8mm	3/4" (19.05mm)
MAX50-55	55mm	50mm	8mm	3/4" (19.05mm)
MAX50-56	56mm	50mm	8mm	3/4" (19.05mm)
MAX50-57	57mm	50mm	8mm	3/4" (19.05mm)
MAX50-58	58mm	50mm	8mm	3/4" (19.05mm)
MAX50-59	59mm	50mm	8mm	3/4" (19.05mm)
MAX50-60A	60mm	50mm	8mm	3/4" (19.05mm)
MAX50-61A	61mm	50mm	8mm	3/4" (19.05mm)
MAX50-62A	62mm	50mm	8mm	3/4" (19.05mm)
MAX50-63A	63mm	50mm	8mm	3/4" (19.05mm)
MAX50-64A	64mm	50mm	8mm	3/4" (19.05mm)

8mm Pilot Pin to suit - Part# SP18050

Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
MAX50-65A	65mm	50mm	8mm	3/4" (19.05mm)
MAX50-66A	66mm	50mm	8mm	3/4" (19.05mm)
MAX50-67A	67mm	50mm	8mm	3/4" (19.05mm)
MAX50-68A	68mm	50mm	8mm	3/4" (19.05mm)
MAX50-69A	69mm	50mm	8mm	3/4" (19.05mm)
MAX50-70A	70mm	50mm	8mm	3/4" (19.05mm)
MAX50-71A	71mm	50mm	8mm	3/4" (19.05mm)
MAX50-72A	72mm	50mm	8mm	3/4" (19.05mm)
MAX50-73A	73mm	50mm	8mm	3/4" (19.05mm)
MAX50-74A	74mm	50mm	8mm	3/4" (19.05mm)
MAX50-75A	75mm	50mm	8mm	3/4" (19.05mm)
1-1/4" SHANK TYPE				
MAX50-60B	60mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-61B	61mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-62B	62mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-63B	63mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-64B	64mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-65B	65mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-66B	66mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-67B	67mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-68B	68mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-69B	69mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-70B	70mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-71B	71mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-72B	72mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-73B	73mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-74B	74mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-75B	75mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-76B	76mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-77B	77mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-78B	78mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-79B	79mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-80B	80mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-81B	81mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-82B	82mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-83B	83mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-84B	84mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-85B	85mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-86B	86mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-87B	87mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-88B	88mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-89B	89mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-90B	90mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-92B	92mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-95B	95mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-98B	98mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-100B	100mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-102B	102mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-105B	105mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-110B	110mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-115B	115mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-120B	120mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-125B	125mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-127B	127mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-130B	130mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-135B	135mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-140B	140mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-145B	145mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-150B	150mm	50mm	8mm	1-1/4" (31.75mm)
MAX50-200B	200mm	50mm	8mm	1-1/4" (31.75mm)

8mm Pilot Pin to suit - Part# SP18050

**METRIC MAXI-CUT
75MM DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
3/4" SHANK TYPE				
MAX75-14	14mm	75mm	6.34mm	3/4" (19.05mm)
MAX75-15	15mm	75mm	6.34mm	3/4" (19.05mm)
MAX75-16	16mm	75mm	6.34mm	3/4" (19.05mm)
MAX75-17	17mm	75mm	6.34mm	3/4" (19.05mm)
MAX75-18	18mm	75mm	8mm	3/4" (19.05mm)
MAX75-19	19mm	75mm	8mm	3/4" (19.05mm)
MAX75-20	20mm	75mm	8mm	3/4" (19.05mm)
MAX75-22	22mm	75mm	8mm	3/4" (19.05mm)
MAX75-24	24mm	75mm	8mm	3/4" (19.05mm)
MAX75-25	25mm	75mm	8mm	3/4" (19.05mm)
MAX75-26	26mm	75mm	8mm	3/4" (19.05mm)
MAX75-27	27mm	75mm	8mm	3/4" (19.05mm)
MAX75-28	28mm	75mm	8mm	3/4" (19.05mm)
MAX75-30	30mm	75mm	8mm	3/4" (19.05mm)
MAX75-32	32mm	75mm	8mm	3/4" (19.05mm)
MAX75-33	33mm	75mm	8mm	3/4" (19.05mm)
MAX75-34	34mm	75mm	8mm	3/4" (19.05mm)
MAX75-35	35mm	75mm	8mm	3/4" (19.05mm)
MAX75-36	36mm	75mm	8mm	3/4" (19.05mm)
MAX75-37	37mm	75mm	8mm	3/4" (19.05mm)
MAX75-38	38mm	75mm	8mm	3/4" (19.05mm)
MAX75-39	39mm	75mm	8mm	3/4" (19.05mm)
MAX75-40	40mm	75mm	8mm	3/4" (19.05mm)
MAX75-41	41mm	75mm	8mm	3/4" (19.05mm)
MAX75-42	42mm	75mm	8mm	3/4" (19.05mm)
MAX75-45	45mm	75mm	8mm	3/4" (19.05mm)
MAX75-46	46mm	75mm	8mm	3/4" (19.05mm)
MAX75-48	48mm	75mm	8mm	3/4" (19.05mm)
MAX75-49	49mm	75mm	8mm	3/4" (19.05mm)
MAX75-50	50mm	75mm	8mm	3/4" (19.05mm)
MAX75-50.5	50.5mm	75mm	8mm	3/4" (19.05mm)
MAX75-52	52mm	75mm	8mm	3/4" (19.05mm)
MAX75-54	54mm	75mm	8mm	3/4" (19.05mm)
MAX75-55	55mm	75mm	8mm	3/4" (19.05mm)
MAX75-60A	60mm	75mm	8mm	3/4" (19.05mm)
1-1/4" SHANK TYPE				
MAX75-60B	60mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-60.5B	60.5mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-64B	64mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-65B	65mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-67B	67mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-68B	68mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-70B	70mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-73B	73mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-75B	75mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-80B	80mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-85B	85mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-90B	90mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-95B	95mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-100B	100mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-110B	110mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-115B	110mm	75mm	8mm	1-1/4" (31.75mm)
MAX75-140B	140mm	75mm	8mm	1-1/4" (31.75mm)

6.34mm Pilot Pin to suit - Part# **SP16005**
8mm Pilot Pin to suit - Part # **SP18075**

**METRIC MAXI-CUT
100MM DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
3/4" SHANK TYPE				
MAX100-14	14mm	100mm	6.34mm	3/4" (19.05mm)
MAX100-15	15mm	100mm	6.34mm	3/4" (19.05mm)
MAX100-16	16mm	100mm	6.34mm	3/4" (19.05mm)
MAX100-17	17mm	100mm	6.34mm	3/4" (19.05mm)
MAX100-18	18mm	100mm	8mm	3/4" (19.05mm)
MAX100-19	19mm	100mm	8mm	3/4" (19.05mm)
MAX100-20	20mm	100mm	8mm	3/4" (19.05mm)
MAX100-21	21mm	100mm	8mm	3/4" (19.05mm)
MAX100-22	22mm	100mm	8mm	3/4" (19.05mm)
MAX100-23	23mm	100mm	8mm	3/4" (19.05mm)
MAX100-24	24mm	100mm	8mm	3/4" (19.05mm)
MAX100-25	25mm	100mm	8mm	3/4" (19.05mm)
MAX100-26	26mm	100mm	8mm	3/4" (19.05mm)
MAX100-27	27mm	100mm	8mm	3/4" (19.05mm)
MAX100-28	28mm	100mm	8mm	3/4" (19.05mm)
MAX100-29	29mm	100mm	8mm	3/4" (19.05mm)
MAX100-30	30mm	100mm	8mm	3/4" (19.05mm)
MAX100-31	31mm	100mm	8mm	3/4" (19.05mm)
MAX100-32	32mm	100mm	8mm	3/4" (19.05mm)
MAX100-33	33mm	100mm	8mm	3/4" (19.05mm)
MAX100-34	34mm	100mm	8mm	3/4" (19.05mm)
MAX100-35	35mm	100mm	8mm	3/4" (19.05mm)
MAX100-36	36mm	100mm	8mm	3/4" (19.05mm)
MAX100-37	37mm	100mm	8mm	3/4" (19.05mm)
MAX100-38	38mm	100mm	8mm	3/4" (19.05mm)
MAX100-39	39mm	100mm	8mm	3/4" (19.05mm)
MAX100-40	40mm	100mm	8mm	3/4" (19.05mm)
MAX100-41	41mm	100mm	8mm	3/4" (19.05mm)
MAX100-42	42mm	100mm	8mm	3/4" (19.05mm)
MAX100-43	43mm	100mm	8mm	3/4" (19.05mm)
MAX100-44	44mm	100mm	8mm	3/4" (19.05mm)
MAX100-45	45mm	100mm	8mm	3/4" (19.05mm)
MAX100-46	46mm	100mm	8mm	3/4" (19.05mm)
MAX100-47	47mm	100mm	8mm	3/4" (19.05mm)
MAX100-48	48mm	100mm	8mm	3/4" (19.05mm)
MAX100-49	49mm	100mm	8mm	3/4" (19.05mm)
MAX100-50	50mm	100mm	8mm	3/4" (19.05mm)
MAX100-51	51mm	100mm	8mm	3/4" (19.05mm)
MAX100-52	52mm	100mm	8mm	3/4" (19.05mm)
MAX100-53	53mm	100mm	8mm	3/4" (19.05mm)
MAX100-54	54mm	100mm	8mm	3/4" (19.05mm)
MAX100-55	55mm	100mm	8mm	3/4" (19.05mm)
MAX100-56	56mm	100mm	8mm	3/4" (19.05mm)
MAX100-57	57mm	100mm	8mm	3/4" (19.05mm)
MAX100-58	58mm	100mm	8mm	3/4" (19.05mm)
MAX100-59	59mm	100mm	8mm	3/4" (19.05mm)
MAX100-60	60mm	100mm	8mm	3/4" (19.05mm)

LARGER SIZES CONTINUE ON NEXT PAGE.

6.34mm Pilot Pin to suit - Part# **SP16009**
8mm Pilot Pin to suit - Part # **SP18100**

**METRIC MAXI-CUT
100MM DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
1-1/4" SHANK TYPE				
MAX100-61B	61mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-62B	62mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-63B	63mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-64B	64mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-65B	65mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-66B	66mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-67B	67mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-68B	68mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-69B	69mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-70B	70mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-71B	71mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-72B	72mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-73B	73mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-74B	74mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-75B	75mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-76B	76mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-77B	77mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-78B	78mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-79B	79mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-80B	80mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-81B	81mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-82B	82mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-83B	83mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-84B	84mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-85B	85mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-86B	86mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-87B	87mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-88B	88mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-89B	89mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-90B	90mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-92B	92mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-95B	95mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-100B	100mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-102B	102mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-105B	105mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-110B	110mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-115B	115mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-120B	120mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-125B	125mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-130B	130mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-135B	135mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-140B	140mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-145B	145mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-150B	150mm	100mm	8mm	1-1/4" (31.75mm)
MAX100-200B	200mm	100mm	8mm	1-1/4" (31.75mm)

8mm Pilot Pin to suit - Part # SP18100

**METRIC MAXI-CUT
150MM DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
3/4" SHANK TYPE				
MAX150-18	18mm	150mm	8mm	3/4" (19.05mm)
MAX150-19	19mm	150mm	8mm	3/4" (19.05mm)
MAX150-20	20mm	150mm	8mm	3/4" (19.05mm)
MAX150-21	21mm	150mm	8mm	3/4" (19.05mm)
MAX150-22	22mm	150mm	8mm	3/4" (19.05mm)
MAX150-23	23mm	150mm	8mm	3/4" (19.05mm)
MAX150-24	24mm	150mm	8mm	3/4" (19.05mm)
MAX150-25	25mm	150mm	8mm	3/4" (19.05mm)
MAX150-26	26mm	150mm	8mm	3/4" (19.05mm)
MAX150-27	27mm	150mm	8mm	3/4" (19.05mm)
MAX150-28	28mm	150mm	8mm	3/4" (19.05mm)
MAX150-29	29mm	150mm	8mm	3/4" (19.05mm)
MAX150-30	30mm	150mm	8mm	3/4" (19.05mm)
MAX150-31	31mm	150mm	8mm	3/4" (19.05mm)
MAX150-32	32mm	150mm	8mm	3/4" (19.05mm)
MAX150-33	33mm	150mm	8mm	3/4" (19.05mm)
MAX150-34	34mm	150mm	8mm	3/4" (19.05mm)
MAX150-35	35mm	150mm	8mm	3/4" (19.05mm)
MAX150-36	36mm	150mm	8mm	3/4" (19.05mm)
MAX150-37	37mm	150mm	8mm	3/4" (19.05mm)
MAX150-38	38mm	150mm	8mm	3/4" (19.05mm)
MAX150-39	39mm	150mm	8mm	3/4" (19.05mm)
MAX150-40	40mm	150mm	8mm	3/4" (19.05mm)
MAX150-41	41mm	150mm	8mm	3/4" (19.05mm)
MAX150-42	42mm	150mm	8mm	3/4" (19.05mm)
MAX150-43	43mm	150mm	8mm	3/4" (19.05mm)
MAX150-44	44mm	150mm	8mm	3/4" (19.05mm)
MAX150-45	45mm	150mm	8mm	3/4" (19.05mm)
MAX150-46	46mm	150mm	8mm	3/4" (19.05mm)
MAX150-47	47mm	150mm	8mm	3/4" (19.05mm)
MAX150-48	48mm	150mm	8mm	3/4" (19.05mm)
MAX150-49	49mm	150mm	8mm	3/4" (19.05mm)
MAX150-50	50mm	150mm	8mm	3/4" (19.05mm)
MAX150-51	51mm	150mm	8mm	3/4" (19.05mm)
MAX150-52	52mm	150mm	8mm	3/4" (19.05mm)
MAX150-54	54mm	150mm	8mm	3/4" (19.05mm)
MAX150-55	55mm	150mm	8mm	3/4" (19.05mm)
MAX150-56	56mm	150mm	8mm	3/4" (19.05mm)
MAX150-58	58mm	150mm	8mm	3/4" (19.05mm)
MAX150-60	60mm	150mm	8mm	3/4" (19.05mm)
1-1/4" SHANK TYPE				
MAX150-65B	65mm	150mm	8mm	1-1/4" (31.75mm)
MAX150-70B	70mm	150mm	8mm	1-1/4" (31.75mm)
MAX150-75B	75mm	150mm	8mm	1-1/4" (31.75mm)
MAX150-80B	80mm	150mm	8mm	1-1/4" (31.75mm)
MAX150-85B	85mm	150mm	8mm	1-1/4" (31.75mm)
MAX150-90B	90mm	150mm	8mm	1-1/4" (31.75mm)
MAX150-100B	100mm	150mm	8mm	1-1/4" (31.75mm)
MAX150-110B	110mm	150mm	8mm	1-1/4" (31.75mm)
MAX150-120B	120mm	150mm	8mm	1-1/4" (31.75mm)

8mm Pilot Pin to suit - Part # SP18150

**METRIC MAXI-CUT
200MM DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
3/4" SHANK TYPE				
MAX200-20	20mm	200mm	8mm	3/4" (19.05mm)
MAX200-21	21mm	200mm	8mm	3/4" (19.05mm)
MAX200-22	22mm	200mm	8mm	3/4" (19.05mm)
MAX200-23	23mm	200mm	8mm	3/4" (19.05mm)
MAX200-24	24mm	200mm	8mm	3/4" (19.05mm)
MAX200-25	25mm	200mm	8mm	3/4" (19.05mm)
MAX200-26	26mm	200mm	8mm	3/4" (19.05mm)
MAX200-27	27mm	200mm	8mm	3/4" (19.05mm)
MAX200-28	28mm	200mm	8mm	3/4" (19.05mm)
MAX200-29	29mm	200mm	8mm	3/4" (19.05mm)
MAX200-30	30mm	200mm	8mm	3/4" (19.05mm)
MAX200-31	31mm	200mm	8mm	3/4" (19.05mm)
MAX200-32	32mm	200mm	8mm	3/4" (19.05mm)
MAX200-33	33mm	200mm	8mm	3/4" (19.05mm)
MAX200-34	34mm	200mm	8mm	3/4" (19.05mm)
MAX200-35	35mm	200mm	8mm	3/4" (19.05mm)
MAX200-36	36mm	200mm	8mm	3/4" (19.05mm)
MAX200-37	37mm	200mm	8mm	3/4" (19.05mm)
MAX200-38	38mm	200mm	8mm	3/4" (19.05mm)
MAX200-39	39mm	200mm	8mm	3/4" (19.05mm)
MAX200-40	40mm	200mm	8mm	3/4" (19.05mm)
MAX200-41	41mm	200mm	8mm	3/4" (19.05mm)
MAX200-42	42mm	200mm	8mm	3/4" (19.05mm)
MAX200-43	43mm	200mm	8mm	3/4" (19.05mm)
MAX200-44	44mm	200mm	8mm	3/4" (19.05mm)
MAX200-45	45mm	200mm	8mm	3/4" (19.05mm)
MAX200-46	46mm	200mm	8mm	3/4" (19.05mm)
MAX200-47	47mm	200mm	8mm	3/4" (19.05mm)
MAX200-48	48mm	200mm	8mm	3/4" (19.05mm)
MAX200-49	49mm	200mm	8mm	3/4" (19.05mm)
MAX200-50	50mm	200mm	8mm	3/4" (19.05mm)
MAX200-52	52mm	200mm	8mm	3/4" (19.05mm)
MAX200-54	54mm	200mm	8mm	3/4" (19.05mm)
MAX200-55	55mm	200mm	8mm	3/4" (19.05mm)
MAX200-56	56mm	200mm	8mm	3/4" (19.05mm)
MAX200-58	58mm	200mm	8mm	3/4" (19.05mm)
MAX200-60	60mm	200mm	8mm	3/4" (19.05mm)
1-1/4" SHANK TYPE				
MAX200-63B	63mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-65B	65mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-66B	66mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-68B	68mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-70B	70mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-75B	75mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-80B	80mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-85B	85mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-90B	90mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-95B	95mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-100B	100mm	200mm	8mm	1-1/4" (31.75mm)
MAX200-120B	120mm	200mm	8mm	1-1/4" (31.75mm)

8mm Pilot Pin to suit - Part # SP18200

**MAXI-CUT
IMPERIAL CUTTERS**

**IMPERIAL MAXI-CUT
2" DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
MAX501-5/8	5/8"	15.87mm	2"	6.34mm
MAX501-3/4	3/4"	19.05mm	2"	6.34mm
MAX501-7/8	7/8"	22.22mm	2"	6.34mm
MAX501-1	1"	25.40mm	2"	6.34mm
MAX501-1-1/8	1-1/8"	28.57mm	2"	6.34mm
MAX501-1-1/4	1-1/4"	31.75mm	2"	6.34mm
MAX501-1-5/16	1-5/16"	33.34mm	2"	6.34mm
MAX501-1-3/8	1-3/8"	34.92mm	2"	6.34mm
MAX501-1-1/2	1-1/2"	38.10mm	2"	6.34mm
MAX501-1-5/8	1-5/8"	41.27mm	2"	6.34mm
MAX501-1-3/4	1-3/4"	44.45mm	2"	6.34mm
MAX501-1-7/8	1-7/8"	47.62mm	2"	6.34mm
MAX501-2	2"	50.80mm	2"	6.34mm
MAX501-2-1/8	2-1/8"	53.97mm	2"	6.34mm
MAX501-2-1/4	2-1/4"	57.15mm	2"	6.34mm
MAX501-2-3/8	2-3/8"	60.33mm	2"	6.34mm
MAX501-2-1/2	2-1/2"	63.50mm	2"	6.34mm

6.34mm Pilot Pin to suit - Part # SP16004

**IMPERIAL MAXI-CUT
3" DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
MAX751-11/16	11/16"	17.46mm	3"	8mm
MAX751-3/4	3/4"	19.05mm	3"	8mm
MAX751-7/8	7/8"	22.22mm	3"	8mm
MAX751-1	1"	25.40mm	3"	8mm
MAX751-1-1/8	1-1/8"	28.57mm	3"	8mm
MAX751-1-1/4	1-1/4"	31.75mm	3"	8mm
MAX751-1-5/16	1-5/16"	33.34mm	3"	8mm
MAX751-1-3/8	1-3/8"	34.92mm	3"	8mm
MAX751-1-1/2	1-1/2"	38.10mm	3"	8mm
MAX751-1-5/8	1-5/8"	41.27mm	3"	8mm
MAX751-1-3/4	1-3/4"	44.45mm	3"	8mm
MAX751-1-7/8	1-7/8"	47.62mm	3"	8mm
MAX751-2	2"	50.80mm	3"	8mm

8mm Pilot Pin to suit - Part # SP18075

**IMPERIAL MAXI-CUT 4"
DEPTH OF CUT**



Part No.	Diameter	Depth Of Cut	Pilot Pin Diameter	Shank Diameter
MAX1001-1	1"	25.4mm	4"	8mm

8mm Pilot Pin to suit - Part # SP18100

WELDON SHANK CUTTING TOOLS

CENTURAIL INDEXABLE INSERT DRILLS

- Solid rail cutter utilising
- 'SPMG' indexable carbide inserts providing high performance drilling through hard materials
- 3/4" Weldon shank for use with Holemaker drills
- Internal coolant supply
- Ability to drill blind holes



Part No.	Diameter	Depth Of Cut	Insert Size
TSD-18	18mm	30mm	6mm
TSD-20	20mm	30mm	6mm
TSD-22	22mm	30mm	8mm
TSD-24	24mm	30mm	8mm
TSD-25	25mm	30mm	8mm
TSD-26	26mm	30mm	8mm
TSD-30	30mm	30mm	10mm
TSD-32	32mm	30mm	10mm
TSD-34	34mm	30mm	10mm
TSD-36	36mm	30mm	11.5mm

MINI CUTTERS

For use with hand held portable drills, bench drills, pedestal drills & magnetic base drilling machines. Suitable for cutting metals & plastics.

- 8mm Depth of cut
- 1/2" Weldon shank



Part No.	Diameter	Depth Of Cut	Shank Size
HMMC08	8mm	8mm	1/2" (12.7mm)
HMMC10	10mm	8mm	1/2" (12.7mm)
HMMC12	12mm	8mm	1/2" (12.7mm)
HMMC13	13mm	8mm	1/2" (12.7mm)
HMMC14	14mm	8mm	1/2" (12.7mm)
HMMC16	16mm	8mm	1/2" (12.7mm)
HMMC18	18mm	8mm	1/2" (12.7mm)
HMMC20	20mm	8mm	1/2" (12.7mm)
HMMC22	22mm	8mm	1/2" (12.7mm)
HMMC24	24mm	8mm	1/2" (12.7mm)
HMMC25	25mm	8mm	1/2" (12.7mm)

MINI CUTTER ADAPTORS

HMMCA19 allows the use of Holemaker Mini Cutters in Holemaker Magnetic Base Drilling Machines with standard 3/4" Weldon arbors.



HMMCA10 allows the use of Holemaker Mini Cutters in standard twist drill chucks.



Part No.	Description
HMMCA19	1/2" Weldon (Female) To 3/4" Weldon (Male) Adaptor
SPMC03	Pilot Pin, 3.95 x 68mm Suit HMMCA19
HMMCA10	1/2" Weldon (Female) To 10mm Straight Shank (Male) Arbor
SPMC01	Pilot Pin, 3.95 x 43mm Suit HMMCA10

WELDON SHANK TWIST DRILLS SINGLE PIECE TYPE



- 3/4" Weldon shank for use in magnetic base drilling machines
- Designed to utilise through spindle coolant system, to provide coolant to the cutting edge

Part No.	Diameter	Depth Of Cut	Shank Size
METRIC			
SPTSD-06	6mm	30mm	3/4" (19.05mm)
SPTSD-08	8mm	30mm	3/4" (19.05mm)
SPTSD-10	10mm	30mm	3/4" (19.05mm)
SPTSD-12	12mm	30mm	3/4" (19.05mm)
SPTSD-13	13mm	30mm	3/4" (19.05mm)
SPTSD-16	16mm	30mm	3/4" (19.05mm)
SPTSD-18	18mm	30mm	3/4" (19.05mm)
IMPERIAL			
SPTSD-1/4	1/4"	30mm	3/4" (19.05mm)
SPTSD-5/16	5/16"	30mm	3/4" (19.05mm)
SPTSD-3/8	3/8"	30mm	3/4" (19.05mm)
SPTSD-7/16	7/16"	30mm	3/4" (19.05mm)
SPTSD-1/2	1/2"	30mm	3/4" (19.05mm)

WELDON SHANK TWIST DRILLS 2-PIECE TYPE

- 2 piece kit including flatted shank drill and 3/4" Weldon shank twist drill adaptors



Part No.	Drill Diameter	Drill Length
SPTSD-F06-65	6mm	65mm
SPTSD-F08-65	8mm	65mm
SPTSD-F10-65	10mm	65mm
SPTSD-F12-65	12mm	65mm

REPLACEMENT FLATTED SHANK DRILLS

- For use with weldon twist drill adaptors
- Custom sizes available, contact ITM for details



Part No.	Diameter	Length	To Suit	Note
SPTD-F06-65	6mm	65mm	SPTDA-F06	-
SPTD-F06-90	6mm	90mm	SPTDA-F06	-
SPTD-F0675-84	6.75mm	84mm	SPTDA-F06	Tapping Size For M8 x 1.25
SPTD-F08-65	8mm	65mm	SPTDA-F08	-
SPTD-F08-90	8mm	90mm	SPTDA-F08	-
SPTD-F085-90	8.5mm	90mm	SPTDA-F08	Tapping Size For M10 x 1.5
SPTD-F10-65	10mm	65mm	SPTDA-F10	-
SPTD-F10-90	10mm	90mm	SPTDA-F10	-
SPTD-F1025-90	10.25mm	90mm	SPTDA-F10	Tapping Size For M12 x 1.75
SPTD-F12-65	12mm	65mm	SPTDA-F12	-
SPTD-F12-90	12mm	90mm	SPTDA-F12	-

WELDON SHANK TWIST DRILL ADAPTORS

- 3/4" Weldon shank
- For use with flatted shank drills, above



Part No.	Description
SPTDA-F06	For Use With 6mm Flatted Shank Drills
SPTDA-F08	For Use With 8mm Flatted Shank Drills
SPTDA-F10	For Use With 10mm Flatted Shank Drills
SPTDA-F12	For Use With 12mm Flatted Shank Drills

COMBINATION DRILL TAP

- Cobalt high-speed steel (M35)
- 19.05mm (3/4") universal shank
- Maximum material thickness 10mm
- Will not give full thread depth so maximum torque strength cannot be applied



Part No.	Diameter	Drill Diameter	Overall Length
HMDT08	M8 x 1.25	6.8mm	110mm
HMDT10	M10 x 1.5	8.5mm	113mm
HMDT12	M12 x 1.75	10.2mm	117mm
HMDT14	M14 x 2.0	12mm	117mm
HMDT16	M16 x 2.0	14mm	117mm
HMDT18	M18 x 2.5	16.5mm	130mm
HMDT20	M20 x 2.5	17.5mm	135mm
HMDT22	M22 x 2.5	19.5mm	135mm
HMDT24	M24 x 3.0	21.5mm	148mm
HMDT27	M27 x 3.0	24mm	155mm
HMDT30	M30 x 3.5	26.5mm	169mm

H.S.S. COUNTERSINKS

- With 3/4" Weldon shank for use in magnetic base drilling machines
- 3 Flute high-speed steel



Part No.	Size Maximum	Angle	Shank Diameter
SCS90/30	30mm	90°	3/4" (19.05mm)
SCS90/40	40mm	90°	3/4" (19.05mm)
SCS90/55	55mm	90°	3/4" (19.05mm)

T.C.T. COUNTERSINK KIT

- Tungsten Carbide Tipped for maximum tool life, even in most difficult materials
- Suitable for drilling difficult materials e.g. stainless-steel and wearplate
- For use with pilot to suit the predrilled hole for accuracy and stability, pilots available from 14mm to 25mm diameter
- 3/4" Weldon shank
- All three sides of the inserts can be used - maximising lifetime of the inserts

Includes:

- 1x T.C.T. Countersink
- 4x Replaceable carbide inserts
- 14, 18, 20 & 22mm Pilots
- Torx key
- 4x Insert screws



Part No.	Diameter	Included Angle	Weldon Shank Diameter
SCS90/45TCT	45mm	90°	3/4"

T.C.T. COUNTERSINK CONSUMABLES

- For use with SCS90/45TCT T.C.T. Countersink



SCSP-INSERT



SCSP-KEY



SCSP-SCREW

Part No.	Description
SCSP-INSERT	Carbide Insert
SCSP-KEY	Torx Key
SCSP-SCREW	Torx Screw, M10 Thread, Pack Of 4

T.C.T. COUNTERSINK PILOTS

- For use with SCS90/45TCT T.C.T. Countersink
- 3/8-16 UNC thread



Part No.	Diameter	Depth
SCSP-PILOT-14	14mm	13.5mm
SCSP-PILOT-15	15mm	13.5mm
SCSP-PILOT-16	16mm	13.5mm
SCSP-PILOT-17	17mm	13.5mm
SCSP-PILOT-18	18mm	13.5mm
SCSP-PILOT-19	19mm	13.5mm
SCSP-PILOT-20	20mm	13.5mm
SCSP-PILOT-21	21mm	13.5mm
SCSP-PILOT-22	22mm	13.5mm
SCSP-PILOT-23	23mm	13.5mm
SCSP-PILOT-24	24mm	13.5mm
SCSP-PILOT-25	25mm	13.5mm

H.S.S SHEET METAL CUTTERS

- For use with hand held portable drills
- Suitable for drilling sheet metal & plastics
- High-speed steel material provides long tool life and a precision hole diameter



Part No.	Diameter	Depth Of Cut	Thread Size
METRIC			
HSMC08	8mm	1/4" (6.34mm)	3/8-24
HSMC09	9mm	1/4" (6.34mm)	3/8-24
HSMC10	10mm	1/4" (6.34mm)	3/8-24
HSMC11	11mm	1/4" (6.34mm)	3/8-24
HSMC12	12mm	1/4" (6.34mm)	3/8-24
HSMC13	13mm	1/4" (6.34mm)	3/8-24
HSMC14	14mm	1/4" (6.34mm)	3/8-24
HSMC15	15mm	1/4" (6.34mm)	3/8-24
HSMC16	16mm	1/4" (6.34mm)	3/8-24
HSMC17	17mm	1/4" (6.34mm)	3/8-24
HSMC18	18mm	1/4" (6.34mm)	3/8-24
HSMC19	19mm	1/4" (6.34mm)	3/8-24
HSMC20	20mm	1/4" (6.34mm)	3/8-24
HSMC21	21mm	1/2" (12.7mm)	1/2-20
HSMC22	22mm	1/2" (12.7mm)	1/2-20
HSMC23	23mm	1/2" (12.7mm)	1/2-20
HSMC24	24mm	1/2" (12.7mm)	1/2-20
HSMC25	25mm	1/2" (12.7mm)	1/2-20
IMPERIAL			
HSMC-5/16	5/16"	1/4" (6.34mm)	3/8-24
HSMC-3/8	3/8"	1/4" (6.34mm)	3/8-24
HSMC-7/16	7/16"	1/4" (6.34mm)	3/8-24
HSMC-1/2	1/2"	1/4" (6.34mm)	3/8-24
HSMC-9/16	9/16"	1/4" (6.34mm)	3/8-24
HSMC-5/8	5/8"	1/4" (6.34mm)	3/8-24
HSMC-11/16	11/16"	1/4" (6.34mm)	3/8-24
HSMC-3/4	3/4"	1/4" (6.34mm)	3/8-24
HSMC-13/16	13/16"	1/2" (12.7mm)	1/2-20
HSMC-7/8	7/8"	1/2" (12.7mm)	1/2-20
HSMC-15/16	15/16"	1/2" (12.7mm)	1/2-20
HSMC-1	1"	1/2" (12.7mm)	1/2-20

SHEET METAL CUTTER ARBORS & PILOT PINS

Arbors include pilot pin, washers & hex key



Part No.	Diameter	Thread Size
HSMA0820	Arbor To Suit 8mm - 20mm, 5/16" - 3/4" Cutters	3/8"-24
HSMA2125	Arbor To Suit 21mm - 25mm, 13/16" - 1" Cutters	1/2"-20
HSMP0820	Pilot Pin To Suit 8mm - 20mm, 5/16" - 3/4" Cutters	-
HSMP2125	Pilot Pin To Suit 21mm - 25mm, 13/16" - 1" Cutters	-

SHEET METAL CUTTER SETS



Part No.	Set Contents
HSMC-SET	8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm Arbor, Pilot Pin, Hex Key, Centre Punch, Small & Large Washers, Carry Case
HSMC-IMPSET	5/16", 3/8", 1/2", 9/16", 5/8", 11/16", 3/4" Arbor, Pilot Pin, Hex Key, Centre Punch, Small & Large Washers, Carry Case

T.C.T. HOLESAWS

- Tungsten Carbide Tipped Holesaws. Suitable for drilling steel, stainless-steel, aluminium, F.R.P, P.V.C, plastics & fibreglass.
- Ejector spring fitted as standard
- Not for impact use

The Tungsten Carbide Tip maintains excellent durability due to the ideal blade angles. The cutting angle design uses the latest metal cutting technology. The escape angle discharges shavings quickly for smooth snag free cutting.

NON-UNIFORM DISTANCES BETWEEN TEETH

Vibration is reduced by the non-uniform and varied distances between the teeth

ONE-PIECE BODY STRUCTURE

With a one-piece structure, there is no play or flexing between the shank and cutting edge, resulting in sharp, crisp, smooth cutting

SAFE STOPPER COLLAR

Getting the holesaw stuck in the back of the cut material is prevented for safer, faster drilling

CORDLESS TOOLS

The 3.2mm depth of cut Holemaker holesaws are specially designed for use with cordless tools

- Holemaker holesaws - 3.2mm depth include a spring
- Holemaker holesaws - 4.5mm depth include a spring
- Holemaker holesaws - 25mm depth include a spring in sizes 20mm and larger
- Holemaker holesaws - 35mm depth do not include a spring
- Holemaker holesaws - 50mm depth do not include a spring

T.C.T. HOLESAWS

3.2MM DEPTH OF CUT TO SUIT CORDLESS DRILLS



Part No.	Diameter	Depth Of Cut	Hex Shank Size
MCJ16	16mm	3.2mm	6.34mm (1/4")
MCJ18	18mm	3.2mm	6.34mm (1/4")
MCJ19	19mm	3.2mm	6.34mm (1/4")
MCJ20	20mm	3.2mm	6.34mm (1/4")
MCJ22	22mm	3.2mm	6.34mm (1/4")
MCJ23	23mm	3.2mm	6.34mm (1/4")
MCJ24	24mm	3.2mm	6.34mm (1/4")
MCJ25	25mm	3.2mm	6.34mm (1/4")
MCJ26	26mm	3.2mm	6.34mm (1/4")
MCJ28	28mm	3.2mm	6.34mm (1/4")
MCJ30	30mm	3.2mm	6.34mm (1/4")
MCJ32	32mm	3.2mm	6.34mm (1/4")
MCJ33	33mm	3.2mm	6.34mm (1/4")
MCJ35	35mm	3.2mm	6.34mm (1/4")

- Holemaker holesaws - 3.2mm depth include a spring

T.C.T. HOLESAW 3.2MM DEPTH PARTS



Part No.	Description
MCJ-DRILL	Pilot Drill To Suit Holemaker 3.2mm Depth T.C.T. Holesaws
MCJ-SPRING	Ejection Spring To Suit Holemaker 3.2mm Depth T.C.T. Holesaws

T.C.T. HOLESAWS 4.5MM DEPTH OF CUT



Part No.	Diameter	Depth Of Cut	Shank Diameter
MCS14	14mm	4.5mm	10mm
MCS15	15mm	4.5mm	10mm
MCS16	16mm	4.5mm	10mm
MCS17	17mm	4.5mm	10mm
MCS18	18mm	4.5mm	10mm
MCS19	19mm	4.5mm	10mm
MCS20	20mm	4.5mm	10mm
MCS21	21mm	4.5mm	10mm
MCS22	22mm	4.5mm	10mm
MCS23	23mm	4.5mm	10mm
MCS24	24mm	4.5mm	10mm
MCS25	25mm	4.5mm	10mm
MCS26	26mm	4.5mm	10mm
MCS27	27mm	4.5mm	10mm
MCS28	28mm	4.5mm	10mm
MCS29	29mm	4.5mm	10mm
MCS30	30mm	4.5mm	10mm
MCS31	31mm	4.5mm	10mm
MCS32	32mm	4.5mm	10mm
MCS33	33mm	4.5mm	10mm
MCS34	34mm	4.5mm	10mm
MCS35	35mm	4.5mm	10mm / 13mm
MCS36	36mm	4.5mm	10mm / 13mm
MCS37	37mm	4.5mm	10mm / 13mm
MCS38	38mm	4.5mm	10mm / 13mm
MCS39	39mm	4.5mm	10mm / 13mm
MCS40	40mm	4.5mm	10mm / 13mm
MCS41	41mm	4.5mm	10mm / 13mm
MCS42	42mm	4.5mm	10mm / 13mm
MCS43	43mm	4.5mm	10mm / 13mm
MCS44	44mm	4.5mm	10mm / 13mm
MCS45	45mm	4.5mm	10mm / 13mm
MCS46	46mm	4.5mm	10mm / 13mm
MCS47	47mm	4.5mm	10mm / 13mm
MCS48	48mm	4.5mm	10mm / 13mm
MCS49	49mm	4.5mm	10mm / 13mm
MCS50	50mm	4.5mm	10mm / 13mm
MCS51	51mm	4.5mm	10mm / 13mm
MCS52	52mm	4.5mm	10mm / 13mm
MCS53	53mm	4.5mm	10mm / 13mm
MCS54	54mm	4.5mm	10mm / 13mm
MCS55	55mm	4.5mm	10mm / 13mm
MCS56	56mm	4.5mm	10mm / 13mm
MCS57	57mm	4.5mm	10mm / 13mm
MCS58	58mm	4.5mm	10mm / 13mm
MCS59	59mm	4.5mm	10mm / 13mm
MCS60	60mm	4.5mm	10mm / 13mm
MCS61	61mm	4.5mm	10mm / 13mm
MCS62	62mm	4.5mm	10mm / 13mm
MCS63	63mm	4.5mm	10mm / 13mm
MCS64	64mm	4.5mm	10mm / 13mm
MCS65	65mm	4.5mm	10mm / 13mm
MCS67	67mm	4.5mm	10mm / 13mm
MCS70	70mm	4.5mm	10mm / 13mm
MCS75	75mm	4.5mm	10mm / 13mm
MCS76	76mm	4.5mm	10mm / 13mm
MCS78	78mm	4.5mm	10mm / 13mm

**T.C.T. HOLESAWS
4.5MM DEPTH OF CUT Cont...**

Part No.	Diameter	Depth Of Cut	Shank Diameter
MCS80	80mm	4.5mm	10mm / 13mm
MCS82	82mm	4.5mm	10mm / 13mm
MCS85	85mm	4.5mm	10mm / 13mm
MCS88	88mm	4.5mm	10mm / 13mm
MCS90	90mm	4.5mm	10mm / 13mm
MCS92	92mm	4.5mm	10mm / 13mm
MCS95	95mm	4.5mm	10mm / 13mm
MCS98	98mm	4.5mm	10mm / 13mm
MCS100	100mm	4.5mm	10mm / 13mm
MCS102	102mm	4.5mm	10mm / 13mm
MCS105	105mm	4.5mm	10mm / 13mm
MCS108	108mm	4.5mm	10mm / 13mm
MCS110	110mm	4.5mm	10mm / 13mm
MCS112	112mm	4.5mm	10mm / 13mm
MCS115	115mm	4.5mm	10mm / 13mm
MCS118	118mm	4.5mm	10mm / 13mm
MCS120	120mm	4.5mm	10mm / 13mm
MCS122	122mm	4.5mm	10mm / 13mm
MCS125	125mm	4.5mm	10mm / 13mm
MCS127	127mm	4.5mm	10mm / 13mm
MCS130	130mm	4.5mm	10mm / 13mm
MCS133	133mm	4.5mm	10mm / 13mm
MCS135	135mm	4.5mm	10mm / 13mm
MCS137	137mm	4.5mm	10mm / 13mm
MCS140	140mm	4.5mm	10mm / 13mm
MCS143	143mm	4.5mm	10mm / 13mm
MCS145	145mm	4.5mm	10mm / 13mm
MCS147	147mm	4.5mm	10mm / 13mm
MCS150	150mm	4.5mm	10mm / 13mm

- Holemaker holesaws - 4.5mm depth include a spring

T.C.T. HOLESAW 4.5MM DEPTH PARTS



Part No.	Description
MCS-DRILL	Pilot Drill To Suit Holemaker 4.5mm Depth T.C.T. Holesaws
MCS-SPRING	Ejection Spring To Suit Holemaker 3.2mm Depth T.C.T. Holesaws

**4.5MM DEPTH T.C.T
HOLESAW SETS**



PART NO. MCS-SET1 SET CONTENTS			
Quantity	Part No.	Diameter	Depth Of Cut
1	MCS20	20mm	4.5mm
1	MCS22	22mm	4.5mm
1	MCS25	25mm	4.5mm
1	MCS32	32mm	4.5mm
1	MCS40	40mm	4.5mm



PART NO. MCS-SET2 SET CONTENTS			
Quantity	Part No.	Diameter	Depth Of Cut
1	MCS16	16mm	4.5mm
1	MCS20	20mm	4.5mm
1	MCS22	22mm	4.5mm
1	MCS25	25mm	4.5mm
1	MCS32	32mm	4.5mm
1	MCS40	40mm	4.5mm
1	MCS50	50mm	4.5mm

T.C.T. HOLESAW SETS

EXCELLENT VALUE FOR MONEY

This new range of sets offer excellent value for money compared to similar product in the market. A high quality and high performance T.C.T. holesaw set can now be a cost viable option for all professional trades.

PREMIUM BLOW MOULD CASE

The quality blow mould case provides tough storage for the product, while also presenting the product to a high standard when displayed in store.

TUNGSTEN CARBIDE TEETH

Suitable for repetitive drilling of steel, stainless-steel, aluminium, plastics, fibreglass and other hard and abrasive materials.

4.5MM DEPTH T.C.T. HOLESAW SETS



PART NO. MCTS-SET5 SET CONTENTS			
Quantity	Part No.	Diameter	Depth Of Cut
1	MCS16	16mm	25mm
1	MCS20	20mm	25mm
1	MCS22	22mm	25mm
1	MCS25	25mm	25mm
1	MCS32	32mm	25mm
1	MCS40	40mm	25mm

HIGH PERFORMANCE TEETH GEOMETRY

Vibration is reduced by the non-uniform and varied distances between the teeth. The escape angle discharges shavings quickly for smooth snag free cutting.

ONE-PIECE BODY STRUCTURE

With a one-piece structure, there is no play or flexing between the shank and cutting edge, resulting in sharp, crisp, smooth cutting.

SAFE STOPPER COLLAR

Getting the holesaw stuck in the back of the material is prevented for safer, faster drilling.



PART NO. MCTS-SET6 SET CONTENTS			
Quantity	Part No.	Diameter	Depth Of Cut
1	MCS16	16mm	25mm
1	MCS20	20mm	25mm
1	MCS22	22mm	25mm
1	MCS25	25mm	25mm
1	MCS32	32mm	25mm
1	MCS40	40mm	25mm
1	MCS50	50mm	25mm

T.C.T. HOLESAWS

WIDE RANGE OF APPLICATIONS

Suitable for drilling steel plate, stainless-steel, A.C. sheeting, aluminium, F.R.P., P.V.C, fibreglass & concrete coated pipes

TRIPLE-CUT 3 EDGE CUTTING SYSTEM

There are two sets of three different edged cutting teeth. One tooth slanted outward, one inward and one that peaks in the centre. This arrangement balances the cutting effort for smooth boring, better control and less chance of excess drag.

ONE-PIECE BODY STRUCTURE

With a one-piece structure, there is no play or flexing between the shank and cutting edge, resulting in sharp, crisp, smooth cutting

SAFE STOPPER COLLAR

Getting the holesaw stuck in the back of the cut material is prevented for safer, faster drilling

T.C.T. HOLESAWS 25MM DEPTH OF CUT



Part No.	Diameter	Depth Of Cut	Shank Diameter
MCTR14	14mm	25mm	10mm
MCTR15	15mm	25mm	10mm
MCTR16	16mm	25mm	10mm
MCTR17	17mm	25mm	10mm
MCTR18	18mm	25mm	10mm
MCTR19	19mm	25mm	10mm
MCTR20	20mm	25mm	10mm
MCTR21	21mm	25mm	10mm
MCTR22	22mm	25mm	10mm
MCTR23	23mm	25mm	10mm
MCTR24	24mm	25mm	10mm
MCTR25	25mm	25mm	10mm
MCTR26	26mm	25mm	10mm
MCTR27	27mm	25mm	10mm
MCTR28	28mm	25mm	10mm
MCTR29	29mm	25mm	10mm
MCTR30	30mm	25mm	10mm
MCTR31	31mm	25mm	10mm / 13mm
MCTR32	32mm	25mm	10mm / 13mm
MCTR33	33mm	25mm	10mm / 13mm
MCTR34	34mm	25mm	10mm / 13mm
MCTR35	35mm	25mm	10mm / 13mm
MCTR36	36mm	25mm	10mm / 13mm
MCTR37	37mm	25mm	10mm / 13mm
MCTR38	38mm	25mm	10mm / 13mm
MCTR39	39mm	25mm	10mm / 13mm
MCTR40	40mm	25mm	10mm / 13mm
MCTR41	41mm	25mm	10mm / 13mm
MCTR42	42mm	25mm	10mm / 13mm
MCTR43	43mm	25mm	10mm / 13mm
MCTR44	44mm	25mm	10mm / 13mm
MCTR45	45mm	25mm	10mm / 13mm
MCTR46	46mm	25mm	10mm / 13mm
MCTR47	47mm	25mm	10mm / 13mm
MCTR48	48mm	25mm	10mm / 13mm
MCTR49	49mm	25mm	10mm / 13mm
MCTR50	50mm	25mm	10mm / 13mm
MCTR51	51mm	25mm	10mm / 13mm
MCTR52	52mm	25mm	10mm / 13mm

Part No.	Diameter	Depth Of Cut	Shank Diameter
MCTR53	53mm	25mm	10mm / 13mm
MCTR54	54mm	25mm	10mm / 13mm
MCTR55	55mm	25mm	10mm / 13mm
MCTR56	56mm	25mm	10mm / 13mm
MCTR57	57mm	25mm	10mm / 13mm
MCTR58	58mm	25mm	10mm / 13mm
MCTR59	59mm	25mm	10mm / 13mm
MCTR60	60mm	25mm	10mm / 13mm
MCTR61	61mm	25mm	10mm / 13mm
MCTR62	62mm	25mm	10mm / 13mm
MCTR63	63mm	25mm	10mm / 13mm
MCTR64	64mm	25mm	10mm / 13mm
MCTR65	65mm	25mm	10mm / 13mm
MCTR68	68mm	25mm	10mm / 13mm
MCTR70	70mm	25mm	10mm / 13mm
MCTR75	75mm	25mm	10mm / 13mm
MCTR77	77mm	25mm	10mm / 13mm
MCTR80	80mm	25mm	13mm
MCTR83	83mm	25mm	13mm
MCTR85	85mm	25mm	13mm
MCTR87	87mm	25mm	13mm
MCTR90	90mm	25mm	13mm
MCTR93	93mm	25mm	13mm
MCTR95	95mm	25mm	13mm
MCTR97	97mm	25mm	13mm
MCTR100	100mm	25mm	13mm
MCTR103	103mm	25mm	13mm
MCTR105	105mm	25mm	13mm
MCTR107	107mm	25mm	13mm
MCTR110	110mm	25mm	13mm
MCTR113	113mm	25mm	13mm
MCTR115	115mm	25mm	13mm
MCTR117	117mm	25mm	13mm
MCTR120	120mm	25mm	13mm
MCTR1-1/8	1-1/8"	25mm	10mm

- Holemaker holesaws - 25mm depth include a spring in sizes 20mm and larger

25MM DEPTH T.C.T. HOLESAW SETS



PART NO. MCTR-SET1 SET CONTENTS

Quantity	Part No.	Diameter	Depth Of Cut
1	MCTR16	16mm	25mm
1	MCTR20	20mm	25mm
1	MCTR22	22mm	25mm
1	MCTR25	25mm	25mm
1	MCTR32	32mm	25mm
1	MCTR40	40mm	25mm



PART NO. MCTR-SET2 SET CONTENTS

Quantity	Part No.	Diameter	Depth Of Cut
1	MCTR16	16mm	25mm
1	MCTR20	20mm	25mm
1	MCTR25	25mm	25mm
1	MCTR32	32mm	25mm
1	MCTR40	40mm	25mm
1	MCTR50	50mm	25mm

T.C.T. HOLESAWS - 50MM DEPTH OF CUT



Part No.	Diameter	Depth Of Cut	Shank Diameter
MX020	20mm	50mm	10mm
MX022	22mm	50mm	10mm
MX024	24mm	50mm	10mm
MX025	25mm	50mm	10mm
MX026	26mm	50mm	10mm
MX028	28mm	50mm	10mm
MX029	29mm	50mm	10mm
MX030	30mm	50mm	10mm
MX032	32mm	50mm	10mm
MX035	35mm	50mm	13mm
MX036	36mm	50mm	13mm
MX038	38mm	50mm	13mm
MX040	40mm	50mm	13mm
MX044	44mm	50mm	13mm
MX045	45mm	50mm	13mm
MX048	48mm	50mm	13mm
MX050	50mm	50mm	13mm
MX051	51mm	50mm	13mm
MX052	52mm	50mm	13mm
MX054	54mm	50mm	13mm
MX055	55mm	50mm	13mm
MX060	60mm	50mm	13mm
MX-DRILL	Pilot Drill To Suit T.C.T. Holesaws 50mm Depth		

- Holemaker holesaws - 50mm depth do not include a spring

T.C.T. HOLESAW SETS

EXCELLENT VALUE FOR MONEY

This new range of sets offer excellent value for money compared to similar product in the market. A high quality and high performance T.C.T. holesaw set can now be a cost viable option for all professional trades.

PREMIUM BLOW MOULD CASE

The quality blow mould case provides tough storage for the product, while also presenting the product to a high standard when displayed in store.

TUNGSTEN CARBIDE TEETH

Suitable for repetitive drilling of steel, stainless-steel, aluminium, plastics, fibreglass and other hard and abrasive materials.

25MM DEPTH T.C.T. HOLESAW SETS



PART NO. **MCTTR-SET5** SET CONTENTS

Quantity	Part No.	Diameter	Depth Of Cut
1	MCTR16	16mm	25mm
1	MCTR20	20mm	25mm
1	MCTR22	22mm	25mm
1	MCTR25	25mm	25mm
1	MCTR32	32mm	25mm
1	MCTR40	40mm	25mm

HIGH PERFORMANCE TEETH GEOMETRY

Vibration is reduced by the non-uniform and varied distances between the teeth. The escape angle discharges shavings quickly for smooth snag free cutting.

ONE-PIECE BODY STRUCTURE

With a one-piece structure, there is no play or flexing between the shank and cutting edge, resulting in sharp, crisp, smooth cutting.

SAFE STOPPER COLLAR

Getting the holesaw stuck in the back of the material is prevented for safer, faster drilling.



PART NO. **MCTR-SET6** SET CONTENTS

Quantity	Part No.	Diameter	Depth Of Cut
1	MCTR16	16mm	25mm
1	MCTR20	20mm	25mm
1	MCTR22	22mm	25mm
1	MCTR25	25mm	25mm
1	MCTR32	32mm	25mm
1	MCTR40	40mm	25mm
1	MCTR50	50mm	25mm

BI-METAL COBALT HOLESAWS

- Premium quality bi-metal M42 cobalt high-speed steel
- Suitable for drilling a wide range of materials including steel, aluminium, brass, cast-iron, plastics & wood
- The M42 (8% cobalt) high-speed steel teeth offer optimal cutting life & performance
- Variable pitch 4 / 6 teeth per inch for reduced vibration delivering increased life, performance & accuracy



Part No.	Diameter Metric	Diameter Imperial	Thread
UN100-014	14mm	9/16"	1/2"
UN100-016	16mm	5/8"	1/2"
UN100-017	17mm	11/16"	1/2"
UN100-019	19mm	3/4"	1/2"
UN100-020	20mm	-	1/2"
UN100-021	21mm	13/16"	1/2"
UN100-022	22mm	7/8"	1/2"
UN100-024	24mm	15/16"	1/2"
UN100-025	25mm	1"	1/2"
UN100-027	27mm	1-1/16"	1/2"
UN100-029	29mm	1-1/8"	1/2"
UN100-030	30mm	1-3/16"	1/2"
UN100-032	32mm	1-1/4"	5/8"
UN100-033	33mm	1-5/16"	5/8"
UN100-035	35mm	1-3/8"	5/8"
UN100-037	37mm	1-7/16"	5/8"
UN100-038	38mm	1-1/2"	5/8"
UN100-040	40mm	1-9/16"	5/8"
UN100-041	41mm	1-5/8"	5/8"
UN100-043	43mm	1-11/16"	5/8"
UN100-044	44mm	1-3/4"	5/8"
UN100-045	45mm	-	5/8"
UN100-046	46mm	1-13/16"	5/8"
UN100-048	48mm	1-7/8"	5/8"
UN100-050	50mm	-	5/8"
UN100-051	51mm	2"	5/8"
UN100-052	52mm	2-1/16"	5/8"
UN100-054	54mm	2-1/8"	5/8"
UN100-055	55mm	-	5/8"
UN100-057	57mm	2-1/4"	5/8"
UN100-059	59mm	2-5/16"	5/8"
UN100-060	60mm	2-3/8"	5/8"
UN100-064	64mm	2-1/2"	5/8"
UN100-065	65mm	2-9/16"	5/8"
UN100-067	67mm	2-5/8"	5/8"
UN100-068	68mm	-	5/8"
UN100-070	70mm	2-3/4"	5/8"
UN100-073	73mm	2-7/8"	5/8"
UN100-075	75mm	-	5/8"
UN100-076	76mm	3"	5/8"
UN100-079	79mm	3-1/8"	5/8"
UN100-083	83mm	3-1/4"	5/8"
UN100-086	86mm	3-3/8"	5/8"
UN100-089	89mm	3-1/2"	5/8"
UN100-092	92mm	3-5/8"	5/8"
UN100-095	95mm	3-3/4"	5/8"
UN100-098	98mm	3-7/8"	5/8"
UN100-100	100mm	-	5/8"
UN100-102	102mm	4"	5/8"
UN100-105	105mm	4-1/8"	5/8"
UN100-108	108mm	4-1/4"	5/8"
UN100-111	111mm	4-3/8"	5/8"

Part No.	Diameter Metric	Diameter Imperial	Thread
UN100-114	114mm	4-1/2"	5/8"
UN100-121	121mm	4-3/4"	5/8"
UN100-127	127mm	5"	5/8"
UN100-140	140mm	5-1/2"	5/8"
UN100-146	146mm	5-3/4"	5/8"
UN100-152	152mm	6"	5/8"

BI-METAL COBALT HOLESAW SETS

- Premium quality bi-metal M42 cobalt hole saws
- Heavy-duty blow mould case

GENERAL ENGINEERING HOLESAW SET

- 16, 19, 22, 25, 32, 35, 38, 44, 51, 57, 64, 76mm Holesaws
- 11/32" Arbor and 7/16" arbor
- Thread adaptor
- 12" Extension bar



Part No.	Description
UN108-100	16pc, General Engineering Holesaw Set

ELECTRICIAN'S HOLESAW SET

- 16, 20, 25, 32, 40, 51mm Holesaws
- 11/32" Arbor and 7/16" arbor
- Thread adaptor



Part No.	Description
UN108-120	9pc, Electrician's Holesaw Set

PLUMBER'S HOLESAW SET

- 16, 19, 22, 25, 30, 35, 44, 51, 57, 73, 92, 114mm Holesaws
- 11/32" Arbor and 7/16" arbor
- Thread adaptor
- 12" Extension bar



Part No.	Description
UN108-160	16pc, Plumber's Holesaw Set

HOLESAW ACCESSORIES

ARBOR 1/4" ROUND SHANK

- Suits 14 to 30mm holesaws



Part No.	Description
UN102-120	Arbor 1/4" Round Shank Suit 14 To 30mm Holesaws

ARBOR 11/32" QUICK CHANGE HEX SHANK

- Suits 14 to 30mm holesaws



Part No.	Description
UN102-125	Arbor 11/32" Quick Change Hex Shank Suit 14 To 30mm Holesaws

ARBOR 11/32" HEX SHANK

- Suits 32 to 152mm holesaws



Part No.	Description
UN102-130	Arbor 11/32" Hex Shank Suit 32 To 152mm Holesaws

ARBOR 11/32" QUICK CHANGE HEX SHANK

- Suits 32 to 152mm holesaws



Part No.	Description
UN102-135	Arbor 11/32" Quick Change Hex Shank Suit 32 To 152mm Holesaws

ARBOR 7/16" HEX SHANK

- Suits 32 to 152mm holesaws



Part No.	Description
UN102-140	Arbor 7/16" Hex Shank Suit 32 To 152mm Holesaws

EXTENSION BAR

- 300mm Length



Part No.	Description
UN102-100	Extension Bar 300mm Length

ARBOR PILOT DRILLS



Part No.	Description
UN102-105	Arbor Pilot Drill 1/4" x 3" (6.34 x 75mm)
UN102-110	Arbor Pilot Drill 1/4" x 3-1/4" (6.34 x 83mm)
UN102-115	Arbor Pilot Drill 1/4" x 4-1/8" (6.34 x 105mm)

THREAD ADAPTOR

- Converts 1/2" to 5/8"



Part No.	Description
UN102-145	Thread Adaptor 1/2" To 5/8"

JOBBER DRILLS
HIGH-SPEED STEEL



- Premium H.S.S. M2 material to provide long life in demanding professional applications
- Split point geometry
- 118° Point angle
- Suitable for heavy-duty drilling in metal, wood and plastic

Diameter	Flute Length	Overall Length	Carded		Bulk Pack	
			Part No.	Qty Per	Part No.	Qty Per
METRIC						
1mm	12mm	34mm	UN304-010	2	UN300-010	10
1.5mm	18mm	40mm	UN304-015	2	UN300-015	10
2mm	24mm	49mm	UN304-020	2	UN300-020	10
2.5mm	30mm	57mm	UN304-025	2	UN300-025	10
3mm	33mm	61mm	UN304-030	2	UN300-030	10
3.5mm	39mm	70mm	UN304-035	1	UN300-035	10
4mm	43mm	75mm	UN304-040	1	UN300-040	10
4.5mm	47mm	80mm	UN304-045	1	UN300-045	10
5mm	52mm	86mm	UN304-050	1	UN300-050	10
5.5mm	57mm	93mm	UN304-055	1	UN300-055	10
5.8mm	57mm	93mm	-	-	UN300-058	10
6mm	57mm	93mm	UN304-060	1	UN300-060	10
6.5mm	63mm	101mm	UN304-065	1	UN300-065	10
7mm	69mm	109mm	UN304-070	1	UN300-070	10
7.5mm	69mm	109mm	UN304-075	1	UN300-075	10
8mm	75mm	117mm	UN304-080	1	UN300-080	5
8.5mm	75mm	117mm	UN304-085	1	UN300-085	5
9mm	81mm	125mm	UN304-090	1	UN300-090	5
9.5mm	81mm	125mm	UN304-095	1	UN300-095	5
10mm	87mm	133mm	UN304-100	1	UN300-100	5
10.5mm	87mm	133mm	UN304-105	1	UN300-105	5
11mm	94mm	142mm	UN304-110	1	UN300-110	5
11.5mm	94mm	142mm	UN304-115	1	UN300-115	5
12mm	101mm	151mm	UN304-120	1	UN300-120	5
12.5mm	101mm	151mm	UN304-125	1	UN300-125	5
13mm	101mm	151mm	UN304-130	1	UN300-130	5



Carded



Bulk

Diameter	Flute Length	Overall Length	Carded		Bulk Pack	
			Part No.	Qty Per	Part No.	Qty Per
IMPERIAL						
1/16"	22mm	48mm	UN306-062	2	UN302-062	10
5/64"	25mm	51mm	UN306-078	2	UN302-078	10
3/32"	32mm	57mm	UN306-093	2	UN302-093	10
7/64"	38mm	67mm	UN306-109	2	UN302-109	10
1/8"	41mm	70mm	UN306-125	2	UN302-125	10
9/64"	44mm	73mm	UN306-140	1	UN302-140	10
5/32"	51mm	79mm	UN306-156	1	UN302-156	10
11/64"	54mm	83mm	UN306-171	1	UN302-171	10
3/16"	59mm	89mm	UN306-187	1	UN302-187	10
13/64"	62mm	92mm	UN306-203	1	UN302-203	10
7/32"	64mm	95mm	UN306-218	1	UN302-218	10
15/64"	67mm	98mm	UN306-234	1	UN302-234	10
1/4"	70mm	102mm	UN306-250	1	UN302-250	10
17/64"	73mm	105mm	UN306-265	1	UN302-265	10
9/32"	75mm	108mm	UN306-281	1	UN302-281	10
19/64"	78mm	111mm	UN306-296	1	UN302-296	10
5/16"	81mm	114mm	UN306-312	1	UN302-312	5
21/64"	84mm	117mm	UN306-328	1	UN302-328	5
11/32"	87mm	121mm	UN306-343	1	UN302-343	5
23/64"	89mm	124mm	UN306-359	1	UN302-359	5
3/8"	92mm	127mm	UN306-375	1	UN302-375	5
25/64"	95mm	130mm	UN306-390	1	UN302-390	5
13/32"	98mm	133mm	UN306-406	1	UN302-406	5
27/64"	100mm	137mm	UN306-421	1	UN302-421	5
7/16"	103mm	140mm	UN306-437	1	UN302-437	5
29/64"	106mm	143mm	UN306-453	1	UN302-453	5
15/32"	110mm	146mm	UN306-468	1	UN302-468	5
31/64"	111mm	149mm	UN306-484	1	UN302-484	5
1/2"	114mm	152mm	UN306-500	1	UN302-500	5

PREMIUM M2 DRILL BIT SETS

19-PIECE METRIC SET

Includes: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



Part No.	Diameter
UN308-110	19pc, Metric Set 1.0mm To 10.0mm, 0.5mm Increments

25-PIECE METRIC SET

Includes: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm



Part No.	Diameter
UN308-120	25pc, Metric Set 1.0mm To 13.0mm, 0.5mm Increments

21-PIECE IMPERIAL SET

Includes: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8"



Part No.	Diameter
UN308-340	21pc, Imperial Set 1/16" To 3/8", 1/64" Increments

29-PIECE IMPERIAL SET

Includes: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 5/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2"

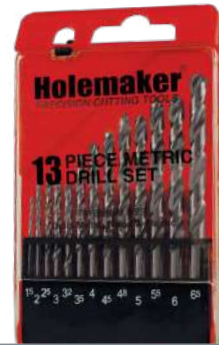


Part No.	Diameter
UN308-360	29pc, Imperial Set 1/16" To 1/2", 1/64" Increments

4341 GRADE DRILL BIT SETS

13-PIECE METRIC SET

Includes: 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5mm



Part No.	Diameter
UN308-008	13pc, Metric Set 1.5mm To 6.5mm, 0.5mm Increments

19-PIECE METRIC SET

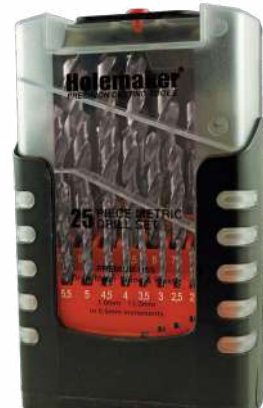
Includes: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



Part No.	Diameter
UN308-010	19pc, Metric Set 1.0mm To 10.0mm, 0.5mm Increments

25-PIECE METRIC SET

Includes: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm



Part No.	Diameter
UN308-020	25pc, Metric Set 1.0mm To 13.0mm, 0.5mm Increments

REDUCED SHANK DRILLS METRIC HIGH-SPEED STEEL

- 12.7mm Shank diameter
- M2 High-speed steel
- 118° Point angle



Part No.	Diameter	Flute Length	Overall Length	Qty Per Pack
UN310-135	13.5mm	76mm	152mm	1
UN310-140	14mm	76mm	152mm	1
UN310-145	14.5mm	76mm	152mm	1
UN310-150	15mm	76mm	152mm	1
UN310-155	15.5mm	76mm	152mm	1
UN310-160	16mm	76mm	152mm	1
UN310-165	16.5mm	76mm	152mm	1
UN310-170	17mm	76mm	152mm	1
UN310-175	17.5mm	76mm	152mm	1
UN310-180	18mm	76mm	152mm	1
UN310-185	18.5mm	76mm	152mm	1
UN310-190	19mm	76mm	152mm	1
UN310-195	19.5mm	76mm	152mm	1
UN310-200	20mm	76mm	152mm	1
UN310-205	20.5mm	76mm	152mm	1
UN310-210	21mm	76mm	152mm	1
UN310-215	21.5mm	76mm	152mm	1
UN310-220	22mm	76mm	152mm	1
UN310-225	22.5mm	76mm	152mm	1
UN310-230	23mm	76mm	152mm	1
UN310-235	23.5mm	76mm	152mm	1
UN310-240	24mm	76mm	152mm	1
UN310-245	24.5mm	76mm	152mm	1
UN310-250	25mm	76mm	152mm	1
UN310-260	26mm	76mm	152mm	1
UN310-270	27mm	76mm	152mm	1
UN310-280	28mm	76mm	152mm	1
UN310-290	29mm	76mm	152mm	1
UN310-300	30mm	76mm	152mm	1
UN310-310	31mm	76mm	152mm	1
UN310-320	32mm	76mm	152mm	1

HAND DEBURRING TOOLS



HAND HELD RE-THREADERS

Part No.	Description
SHT-03	M3 x 0.5
SHT-04	M4 x 0.7
SHT-05	M5 x 0.8
SHT-06	M6 x 1.0



HAND HELD TAPER REAMER

- For sheet metal hole alignment or enlarging

Part No.	Description
STR-12	3 - 12mm
STR-25	10 - 25mm

HAND HELD PIPE REAMER

- For deburring pipe
- 1/4" Hex drive



Part No.	Description
SPR-34	10 - 34mm

HAND HELD COUNTERSINKS

- 1/4" Hex drive



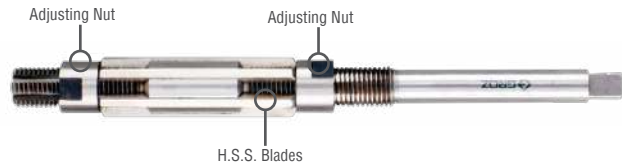
Part No.	Description
SHC-12	90 Degree, 12.4mm
SHC-25	90 Degree, 25mm

1/4" Drive can be mounted in front or side of handle, or in electric and cordless drills.



ADJUSTABLE HAND REAMERS

- 16 Sizes cover diameters ranging from 9.5mm - 56.34mm (3/8" to 2-7/32")
- Suitable for use on ferrous or non-ferrous metals
- The reamer blades are made from high-speed steel, accurately hardened 60 - 64 HRC and relief ground
- Each adjustable reamer has a chamfer or lead on the front end of diameter 0.004" - 0.019" according to size, which helps to make a quick start in reaming operations
- Reamers expand by loosening one adjusting nut and tightening the other
- Concentricity within 30 microns



Part No.	Code	Type	Range
GZ-11905	AHR/5	H1	9.5 - 10.3mm
GZ-11906	AHR/6	H2	10.3 - 11.11mm
GZ-11907	AHR/7	H3	11.11 - 11.9mm
GZ-11908	AHR/8	H4	11.9 - 13.5mm
GZ-11909	AHR/9	H5	13.5 - 15mm
GZ-11910	AHR/10	H6	15 - 16.6mm
GZ-11911	AHR/11	H7	16.6 - 18.25mm
GZ-11912	AHR/12	H8	18.25 - 19.8mm
GZ-11913	AHR/13	H9	19.8 - 21.4mm
GZ-11914	AHR/14	H10	21.4 - 23.8mm
GZ-11915	AHR/15	H11	23.8 - 26.98mm
GZ-11916	AHR/16	H12	26.98 - 30.16mm
GZ-11917	AHR/17	H13	30.16 - 34.1mm
GZ-11918	AHR/18	H14	34.1 - 38.1mm
GZ-11919	AHR/19	H15	38.1 - 46mm
GZ-11920	AHR/20	H16	46.0 - 56.3mm

ADJUSTABLE HAND REAMER SETS



Part No.	Code	Type	Range
GZ-11930	AHR/8/ST	H4 - H11	11.9 - 26.98mm
GZ-11931	AHR/11/ST	H4 - H14	11.9 - 38.1mm

STEP DRILLS

SPIRAL FLUTE STEP DRILLS

The Titanium Nitride coating significantly increases the tool life by providing the following benefits:

- Increased surface hardness to 85HRC
- Ceramic surface, reducing friction by up to 30%
- Especially resistant to cold welding
- Suitable for cutting a wide range of materials



Part No.	Sizes Included	Step Length	Overall Length	Shank Diameter
SD4-20MM	4, 6, 8, 10, 12, 14, 16, 18, 20mm	3.0mm	74.5mm	8mm
SD5-25MM	5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25mm	3.0mm	83.0mm	10mm
SD6-30MM	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm	3.0mm	98.0mm	12mm
SD7-40.5MM	7, 10.5, 12.5, 14.5, 16.5, 18.5, 20.5, 23.5, 25.5, 30.5, 32.5, 38.5, 40.5mm	3.0mm	115.0mm	12mm

ELECTRICIAN'S SPIRAL FLUTE STEP DRILL

As per regular Spiral Flute Step Drill with sizes specifically suited to electrical work



Part No.	Sizes Included	Step Length	Overall Length	Shank Diameter
SD6-32MM	6, 8, 10, 12, 14, 16, 18, 20, 22, 25, 28, 30, 32mm	3.0mm	100.0mm	10mm

SPIRAL FLUTE STEP DRILLS LONG STEP



Part No.	Sizes Included	Step Length	Overall Length	Shank Diameter
SDL4-12MM	4, 5, 6, 7, 8, 9, 10, 11, 12mm	5.5mm	63.6mm	8mm
SDL6-38MM	6, 9, 13, 16, 19, 21, 23, 26, 29, 32, 35, 38mm	5.5mm	101mm	12mm

SPIRAL FLUTE STEP DRILLS EXTRA-LONG STEP



Part No.	Sizes Included	Step Length	Overall Length	Shank Diameter
SDXL4-12MM	4, 6, 8, 10, 12mm	8.0mm	64.0mm	8mm

STRAIGHT FLUTE STEP DRILLS



Part No.	Sizes Included	Step Length	Overall Length	Shank Diameter
SDST4-12MM	4, 5, 6, 7, 8, 9, 10, 11, 12mm	3.75mm	65.5mm	6mm
SDST4-20MM	4, 6, 8, 10, 12, 14, 16, 18, 20mm	4.0mm	75.0mm	8mm
SDST5-25MM	5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25mm	4.0mm	81.8mm	10mm
SDST6-30MM	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm	3.75mm	97.0mm	12mm



SPIRAL FLUTE STEP DRILL SET

PART NO. SDSET-1 SET CONTENTS		
Quantity	Part No.	Size Min - Max
1	SD4-20MM	4 - 20mm
1	SD5-25MM	5 - 25mm
1	SD6-30MM	6 - 30mm



STRAIGHT FLUTE STEP DRILL SET

PART NO. SDSTSET-1 SET CONTENTS		
Quantity	Part No.	Size Min - Max
1	SDST4-12MM	4 - 12mm
1	SDST5-25MM	5 - 25mm
1	SDST6-30MM	6 - 30mm

COUNTERSINKS

CROSS HOLE COUNTERSINKS HIGH-SPEED STEEL



Part No.	Size	Angle	Shank Diameter
SWCS-05	2 - 5mm	90°	6mm
SWCS-10	5 - 10mm	90°	8mm
SWCS-15	10 - 15mm	90°	10mm
SWCS-20	15 - 20mm	90°	12mm
SWCS-25	20 - 25mm	90°	12mm



CROSS HOLE COUNTERSINK SET

PART NO. SWSET-03 SET CONTENTS	
Quantity	Size Min - Max
1	5 - 10mm
1	10 - 15mm
1	15 - 20mm

3 FLUTE COUNTERSINKS HIGH-SPEED STEEL



Part No.	Size Min - Max	Angle	Shank Diameter
STCS-06	3 - 6.4mm	90°	5mm
STCS-08	3 - 8.3mm	90°	6mm
STCS-10	3 - 10.4mm	90°	6mm
STCS-12	3 - 12.4mm	90°	8mm
STCS-16	3 - 16.5mm	90°	10mm
STCS-20	3 - 20.5mm	90°	10mm
STCS-25	3 - 25mm	90°	10mm
STCS-31	3 - 31mm	90°	12mm
STCS-40	3 - 40mm	90°	15mm



3 FLUTE COUNTERSINK SETS

PART NO. STSET-01 SET CONTENTS	
Quantity	Size Min - Max
1	3 - 6.4mm
1	3 - 8.4mm
1	3 - 10.4mm
1	3 - 12.4mm
1	3 - 16.5mm
1	3 - 20.5mm

PART NO. STSET-03 SET CONTENTS	
Quantity	Size Min - Max
1	3 - 10.4mm
1	3 - 16.5mm
1	3 - 25mm

PART NO. STSET-05 SET CONTENTS	
Quantity	Size Min - Max
1	3 - 8.4mm
1	3 - 12.4mm
1	3 - 20.5mm

CARBIDE BURRS
IMPERIAL SHANK - DOUBLE CUT



CYLINDRICAL SQUARE END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Dia	Style
CB-SA43	1/8"	9/16"	1-1/2"	1/8"	SA-43
CB-SA51	1/4"	1/2"	1-1/2"	1/8"	SA-51
CB-SA14	3/16"	5/8"	2"	1/4"	SA-14
CB-SA1	1/4"	5/8"	2"	1/4"	SA-1
CB-SA2	5/16"	3/4"	2-1/2"	1/4"	SA-2
CB-SA3	3/8"	3/4"	2-1/2"	1/4"	SA-3
CB-SA4	7/16"	1"	2-3/4"	1/4"	SA-4
CB-SA5	1/2"	1"	2-3/4"	1/4"	SA-5
CB-SA6	5/8"	1"	2-3/4"	1/4"	SA-6
CB-SA7	3/4"	1"	2-3/4"	1/4"	SA-7
CB-SA9	1"	1"	2-3/4"	1/4"	SA-9

CYLINDRICAL END CUT



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SB43	1/8"	9/16"	1-1/2"	1/8"	SB-43
CB-SB1	1/4"	5/8"	2"	1/4"	SB-1
CB-SB2	5/16"	3/4"	2-1/2"	1/4"	SB-2
CB-SB3	3/8"	3/4"	2-1/2"	1/4"	SB-3
CB-SB4	7/16"	1"	2-3/4"	1/4"	SB-4
CB-SB5	1/2"	1"	2-3/4"	1/4"	SB-5
CB-SB6	5/8"	1"	2-3/4"	1/4"	SB-6
CB-SB7	3/4"	1"	2-3/4"	1/4"	SB-7
CB-SB9	1"	1"	2-3/4"	1/4"	SB-9

CYLINDRICAL RADIUS END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SC42	1/8"	9/16"	1-1/2"	1/8"	SC-42
CB-SC53	3/16"	1/2"	1-1/2"	1/8"	SC-53
CB-SC51	1/4"	1/2"	1-3/4"	1/8"	SC-51
CB-SC1	1/4"	5/8"	2"	1/4"	SC-1
CB-SC2	5/16"	3/4"	2-1/2"	1/4"	SC-2
CB-SC3	3/8"	3/4"	2-1/2"	1/4"	SC-3
CB-SC4	7/16"	1"	2-3/4"	1/4"	SC-4
CB-SC5	1/2"	1"	2-3/4"	1/4"	SC-5
CB-SC6	5/8"	1"	2-3/4"	1/4"	SC-6
CB-SC7	3/4"	1"	2-3/4"	1/4"	SC-7



BALL SHAPE

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SD42	1/8"	-	1-1/2"	1/8"	SD-42
CB-SD51	1/4"	-	2"	1/8"	SD-51
CB-SD1	1/4"	-	2"	1/4"	SD-1
CB-SD2	5/16"	-	2-1/16"	1/4"	SD-2
CB-SD3	3/8"	-	2-1/16"	1/4"	SD-3
CB-SD4	7/16"	-	2-1/8"	1/4"	SD-4
CB-SD5	1/2"	-	2-3/16"	1/4"	SD-5
CB-SD6	5/8"	-	2-5/16"	1/4"	SD-6
CB-SD7	3/4"	-	2-7/16"	1/4"	SD-7
CB-SD9	1"	-	2-3/4"	1/4"	SD-9



OVAL SHAPE

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SE41	1/8"	7/32"	1-1/2"	1/8"	SE-41
CB-SE1	1/4"	3/8"	2"	1/4"	SE-1
CB-SE3	3/8"	5/8"	2-3/8"	1/4"	SE-3
CB-SE5	1/2"	7/8"	2-5/8"	1/4"	SE-5
CB-SE6	5/8"	1"	2-3/4"	1/4"	SE-6
CB-SE7	3/4"	1"	2-3/4"	1/4"	SE-7



TREE SHAPE RADIUS END

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SF42	1/8"	1/2"	1-1/2"	1/8"	SF-42
CB-SF51	1/4"	1/2"	1-3/4"	1/8"	SF-51
CB-SF1	1/4"	3/4"	2"	1/4"	SF-1
CB-SF3	3/8"	3/4"	2-1/2"	1/4"	SF-3
CB-SF4	7/16"	1"	2-3/4"	1/4"	SF-4
CB-SF5	1/2"	1"	2-3/4"	1/4"	SF-5
CB-SF6	5/8"	1"	2-3/4"	1/4"	SF-6
CB-SF7	3/4"	1"	2-3/4"	1/4"	SF-7



TREE SHAPE POINTED END

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SG43	1/8"	3/8"	1-1/2"	1/8"	SG-43
CB-SG1	1/4"	5/8"	2"	1/4"	SG-1
CB-SG2	5/16"	3/4"	2-1/2"	1/4"	SG-2
CB-SG3	3/8"	3/4"	2-1/2"	1/4"	SG-3
CB-SG5	1/2"	1"	2-3/4"	1/4"	SG-5
CB-SG6	5/8"	1"	2-3/4"	1/4"	SG-6
CB-SG7	3/4"	1"	2-3/4"	1/4"	SG-7



FLAME SHAPE

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SH41	1/8"	1/4"	1-1/2"	1/8"	SH-41
CB-SH1	1/4"	5/8"	2"	1/4"	SH-1
CB-SH2	5/16"	3/4"	2-1/2"	1/4"	SH-2
CB-SH3	3/8"	1"	2-3/4"	1/4"	SH-3
CB-SH5	1/2"	1-1/4"	3"	1/4"	SH-5
CB-SH6	5/8"	1-7/16"	3-3/16"	1/4"	SH-6
CB-SH7	3/4"	1-5/8"	3-3/8"	1/4"	SH-7



TAPERED RADIUS END

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Angle	Style
CB-SL42	1/8"	1/2"	1-1/2"	1/8"	7°	SL-42
CB-SL1	1/4"	5/8"	2"	1/4"	14°	SL-1
CB-SL2	5/16"	7/8"	2-5/8"	1/4"	14°	SL-2
CB-SL3	3/8"	1-1/16"	2-13/16"	1/4"	14°	SL-3
CB-SL4	1/2"	1-1/8"	2-7/8"	1/4"	14°	SL-4
CB-SL6	5/8"	1-5/16"	3-1/16"	1/4"	14°	SL-6
CB-SL7	3/4"	1-1/2"	3-1/4"	1/4"	14°	SL-7



CONE SHAPE

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Angle	Style
CB-SM42	1/8"	7/16"	1-1/2"	1/8"	14°	SM-42
CB-SM2	1/4"	3/4"	2"	1/4"	14°	SM-2
CB-SM4	3/8"	5/8"	2-1/2"	1/4"	28°	SM-4
CB-SM5	1/2"	7/8"	2-3/4"	1/4"	28°	SM-5
CB-SM6	5/8"	1"	2-7/8"	1/4"	31°	SM-6



INVERTED CONE SHAPE

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Angle	Style
CB-SN42	1/8"	3/16"	1-1/2"	1/8"	10°	SN-42
CB-SN1	1/4"	5/16"	2"	1/4"	10°	SN-1
CB-SN2	3/8"	3/8"	2-1/8"	1/4"	13°	SN-2
CB-SN4	1/2"	1/2"	2-1/4"	1/4"	28°	SN-4
CB-SN6	5/8"	3/4"	2-1/2"	1/4"	18°	SN-6
CB-SN7	3/4"	5/8"	2-3/8"	1/4"	30°	SN-7

**CARBIDE BURRS
EXTENDED SHANK - DOUBLE CUT**



CYLINDRICAL END CUT

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SB1L6	1/4"	5/8"	6-5/8"	1/4"	SB-1L6
CB-SB3L6	3/8"	3/4"	6-3/4"	1/4"	SB-3L6
CB-SB5L6	1/2"	1"	7"	1/4"	SB-5L6



CYLINDRICAL RADIUS END

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SC1L6	1/4"	5/8"	6-5/8"	1/4"	SC-1L6
CB-SC3L6	3/8"	3/4"	6-3/4"	1/4"	SC-3L6
CB-SC5L6	1/2"	1"	7"	1/4"	SC-5L6



BALL SHAPE

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SD1L6	1/4"	-	6-1/8"	1/4"	SD-1L6
CB-SD3L6	3/8"	-	6-1/4"	1/4"	SD-3L6
CB-SD5L6	1/2"	-	6-3/8"	1/4"	SD-5L6



TREE SHAPE RADIUS END

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SF1L6	1/4"	5/8"	6-5/8"	1/4"	SF-1L6
CB-SF3L6	3/8"	3/4"	6-3/4"	1/4"	SF-3L6
CB-SF5L6	1/2"	1"	7"	1/4"	SF-5L6



TAPERED RADIUS END

14° Included Angle

Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SL1L6	1/4"	5/8"	6-5/8"	1/4"	SL-1L6
CB-SL3L6	3/8"	1-1/16"	7"	1/4"	SL-3L6
CB-SL4L6	1/2"	1-1/8"	7-1/8"	1/4"	SL-4L6

CARBIDE BURRS
METRIC SHANK - DOUBLE CUT



CYLINDRICAL SQUARE END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB6M-SA1	1/4"	5/8"	2"	6mm	SA-1
CB6M-SA2	5/16"	3/4"	2-1/2"	6mm	SA-2
CB6M-SA3	3/8"	3/4"	2-1/2"	6mm	SA-3
CB6M-SA5	1/2"	1"	2-3/4"	6mm	SA-5
CB6M-SA6	5/8"	1"	2-3/4"	6mm	SA-6

TREE SHAPE RADIUS END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB6M-SF1	1/4"	3/4"	2"	6mm	SF-1
CB6M-SF3	3/8"	3/4"	2-1/2"	6mm	SF-3
CB6M-SF4	7/16"	1"	2-3/4"	6mm	SF-4
CB6M-SF5	1/2"	1"	2-3/4"	6mm	SF-5
CB6M-SF6	5/8"	1"	2-3/4"	6mm	SF-6

CYLINDRICAL END CUT



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB6M-SB1	1/4"	5/8"	2"	6mm	SB-1
CB6M-SB2	5/16"	3/4"	2-1/2"	6mm	SB-2
CB6M-SB3	3/8"	3/4"	2-1/2"	6mm	SB-3
CB6M-SB5	1/2"	1"	2-3/4"	6mm	SB-5
CB6M-SB6	5/8"	1"	2-3/4"	6mm	SB-6

TREE SHAPE POINTED END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB6M-SG1	1/4"	5/8"	2"	6mm	SG-1
CB6M-SG2	5/16"	3/4"	2-1/2"	6mm	SG-2
CB6M-SG3	3/8"	3/4"	2-1/2"	6mm	SG-3
CB6M-SG5	1/2"	1"	2-3/4"	6mm	SG-5

CYLINDRICAL RADIUS END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB6M-SC1	1/4"	5/8"	2"	6mm	SC-1
CB6M-SC2	5/16"	3/4"	2-1/2"	6mm	SC-2
CB6M-SC3	3/8"	3/4"	2-1/2"	6mm	SC-3
CB6M-SC4	7/16"	1"	2-3/4"	6mm	SC-4
CB6M-SC5	1/2"	1"	2-3/4"	6mm	SC-5
CB6M-SC6	5/8"	1"	2-3/4"	6mm	SC-6

FLAME SHAPE



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB6M-SH1	1/4"	5/8"	2"	6mm	SH-1
CB6M-SH2	5/16"	3/4"	2-1/2"	6mm	SH-2
CB6M-SH3	3/8"	1"	2-3/4"	6mm	SH-3
CB6M-SH5	1/2"	1-1/4"	3"	6mm	SH-5
CB6M-SH6	5/8"	1-7/16"	3-3/16"	6mm	SH-6

BALL SHAPE



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB6M-SD1	1/4"	-	2"	6mm	SD-1
CB6M-SD2	5/16"	-	2-1/16"	6mm	SD-2
CB6M-SD3	3/8"	-	2-1/16"	6mm	SD-3
CB6M-SD5	1/2"	-	2-3/16"	6mm	SD-5

TAPERED RADIUS END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Angle	Style
CB6M-SL1	1/4"	5/8"	2"	6mm	14°	SL-1
CB6M-SL2	5/16"	7/8"	2-5/8"	6mm	14°	SL-2
CB6M-SL3	3/8"	1-1/16"	2-13/16"	6mm	14°	SL-3
CB6M-SL4	1/2"	1-1/8"	2-7/8"	6mm	14°	SL-4

OVAL SHAPE



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB6M-SE1	1/4"	3/8"	2"	6mm	SE-1
CB6M-SE3	3/8"	5/8"	2-3/8"	6mm	SE-3
CB6M-SE5	1/2"	7/8"	2-5/8"	6mm	SE-5
CB6M-SE6	5/8"	1"	2-3/4"	6mm	SE-6

CONE SHAPE



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Angle	Style
CB6M-SM2	1/4"	3/4"	2"	6mm	14°	SM-2
CB6M-SM4	3/8"	5/8"	2-1/2"	6mm	28°	SM-4
CB6M-SM5	1/2"	7/8"	2-3/4"	6mm	28°	SM-5
CB6M-SM6	5/8"	1"	2-7/8"	6mm	31°	SM-6

CARBIDE BURRS
IMPERIAL SHANK - ALUMINIUM CUT



CYLINDRICAL SQUARE END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SA1-AC	1/4"	3/4"	2"	1/4"	SA-1AC
CB-SA3-AC	3/8"	3/4"	2-1/2"	1/4"	SA-3AC
CB-SA5-AC	1/2"	1"	2-3/4"	1/4"	SA-5AC
CB-SA6-AC	5/8"	1"	2-3/4"	1/4"	SA-6AC
CB-SA7-AC	3/4"	1"	2-3/4"	1/4"	SA-7AC

TAPERED RADIUS END
14° Included Angle



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SL3-AC	3/8"	1-1/16"	2-13/16"	1/4"	SL-3AC
CB-SL4-AC	1/2"	1-1/8"	2-7/8"	1/4"	SL-4AC
CB-SL6-AC	5/8"	1-5/16"	3-1/16"	1/4"	SL-6AC
CB-SL7-AC	3/4"	1-1/2"	3-1/4"	1/4"	SL-7AC

CYLINDRICAL RADIUS END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SC1-AC	1/4"	5/8"	2"	1/4"	SC-1AC
CB-SC3-AC	3/8"	3/4"	2-1/2"	1/4"	SC-3AC
CB-SC5-AC	1/2"	1"	2-3/4"	1/4"	SC-5AC
CB-SC6-AC	5/8"	1"	2-3/4"	1/4"	SC-6AC
CB-SC7-AC	3/4"	1"	2-3/4"	1/4"	SC-7AC

BALL SHAPE



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SD1-AC	1/4"	-	2"	1/4"	SD-1AC
CB-SD3-AC	3/8"	-	2-1/16"	1/4"	SD-3AC
CB-SD5-AC	1/2"	-	2-3/16"	1/4"	SD-5AC
CB-SD6-AC	5/8"	-	2-5/16"	1/4"	SD-6AC
CB-SD7-AC	3/4"	-	2-7/16"	1/4"	SD-7AC

OVAL SHAPE



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SE1-AC	1/4"	3/8"	2"	1/4"	SE-1AC
CB-SE3-AC	3/8"	5/8"	2-3/8"	1/4"	SE-3AC
CB-SE5-AC	1/2"	7/8"	2-5/8"	1/4"	SE-5AC
CB-SE6-AC	5/8"	1"	2-3/4"	1/4"	SE-6AC

TREE SHAPE RADIUS END



Part No.	Head Diameter	Flute Length	Overall Length	Shank Diameter	Style
CB-SF1-AC	1/4"	3/4"	2"	1/4"	SF-1AC
CB-SF3-AC	3/8"	3/4"	2-1/2"	1/4"	SF-3AC
CB-SF5-AC	1/2"	1"	2-3/4"	1/4"	SF-5AC
CB-SF6-AC	5/8"	1"	2-3/4"	1/4"	SF-6AC

CARBIDE BURRS SETS



3/8" 5-PIECE SET

Imperial Shank Set Part No. CB-SET-01				
Metric Shank Set Part No. CB6M-SET-01				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-3	3/8"	Cylindrical End Cut	DC
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SD-3	3/8"	Ball Shape	DC
1	SF-3	3/8"	Tree Shape Radius End	DC
1	SA-3	3/8"	Cylindrical Square End	AC



1/2" 5-PIECE SET

Imperial Shank Set Part No. CB-SET-04				
Metric Shank Set Part No. CB6M-SET-04				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-5	1/2"	Cylindrical End Cut	DC
1	SC-5	1/2"	Cylindrical Radius End	DC
1	SD-5	1/2"	Ball Shape	DC
1	SF-5	1/2"	Tree Shape Radius End	DC
1	SA-5	1/2"	Cylindrical Square End	AC



3/8" 5-PIECE SET

Imperial Shank Set Part No. CB-SET-02				
Metric Shank Set Part No. CB6M-SET-02				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-3	3/8"	Cylindrical End Cut	DC
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SD-3	3/8"	Ball Shape	DC
1	SF-3	3/8"	Tree Shape Radius End	DC
1	SA-3	3/8"	Cylindrical Square End	AC



3/8" TO 1/2" 5-PIECE SET

Imperial Shank Set Part No. CB-SET-05				
Metric Shank Set Part No. CB6M-SET-05				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-3	3/8"	Cylindrical End Cut	DC
1	SB-5	1/2"	Cylindrical End Cut	DC
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SC-5	1/2"	Cylindrical Radius End	DC
1	SF-3	3/8"	Tree Shape Radius End	DC



3/8" 3-PIECE SET

Double Blister Pack

Imperial Shank Set Part No. CB-SET-03				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-3	3/8"	Cylindrical End Cut	DC
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SF-3	3/8"	Tree Shape Radius End	DC



3/8" TO 1/2" 5-PIECE SET

Imperial Shank Set Part No. CB-SET-06				
Metric Shank Set Part No. CB6M-SET-06				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-3	3/8"	Cylindrical End Cut	DC
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SB-5	1/2"	Cylindrical End Cut	DC
1	SC-5	1/2"	Cylindrical Radius End	DC
1	SF-5	1/2"	Tree Shape Radius End	DC





3/8" TO 1/2" 5-PIECE SET

Imperial Shank Set Part No. CB-SET-07				
Metric Shank Set Part No. CB6M-SET-07				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-3	3/8"	Cylindrical End Cut	DC
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SC-5	1/2"	Cylindrical Radius End	DC
1	SF-3	3/8"	Tree Shape Radius End	DC
1	SF-5	1/2"	Tree Shape Radius End	DC



3/8" 5-PIECE SET

Imperial Shank Set Part No. CB-SET-11				
Metric Shank Set Part No. CB6M-SET-11				
Qty	Style	Head Dia.	Description	Cut Style
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SD-3	3/8"	Ball Shape	DC
1	SE-3	3/8"	Oval Shape	DC
1	SF-3	3/8"	Tree Shape Radius End	DC
1	SM-4	3/8"	Cone Shape	DC



1/4" 7-PIECE SET

Imperial Shank Set Part No. CB-SET-08				
Metric Shank Set Part No. CB6M-SET-08				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-1	1/4"	Cylindrical End Cut	DC
1	SC-1	1/4"	Cylindrical Radius End	DC
1	SD-1	1/4"	Ball Shape	DC
1	SF-1	1/4"	Tree Shape Radius End	DC
1	SH-1	1/4"	Flame Shape	DC
1	SL-1	1/4"	Tapered Radius End	DC
1	SM-2	1/4"	Cone Shape	DC



1/2" 7-PIECE SET

Imperial Shank Set Part No. CB-SET-12				
Metric Shank Set Part No. CB6M-SET-12				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-5	1/2"	Cylindrical End Cut	DC
1	SC-5	1/2"	Cylindrical Radius End	DC
1	SD-5	1/2"	Ball Shape	DC
1	SF-5	1/2"	Tree Shape Radius End	DC
1	SH-5	1/2"	Flame Shape	DC
1	SL-4	1/2"	Tapered Radius End	DC
1	SM-5	1/2"	Cone Shape	DC



3/8" 7-PIECE SET

Imperial Shank Set Part No. CB-SET-10				
Metric Shank Set Part No. CB6M-SET-10				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-3	3/8"	Cylindrical End Cut	DC
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SD-3	3/8"	Ball Shape	DC
1	SF-3	3/8"	Tree Shape Radius End	DC
1	SH-3	3/8"	Flame Shape	DC
1	SL-3	3/8"	Tapered Radius End	DC
1	SM-4	3/8"	Cone Shape	DC



1/2" 8-PIECE SET

Imperial Shank Set Part No. CB-SET-13				
Metric Shank Set Part No. CB6M-SET-13				
Qty	Style	Head Dia.	Description	Cut Style
1	SA-5	1/2"	Cylindrical Square End	DC
1	SC-5	1/2"	Cylindrical Radius End	DC
1	SD-5	1/2"	Ball Shape	DC
1	SE-5	1/2"	Oval Shape	DC
1	SF-5	1/2"	Tree Shape Radius End	DC
1	SG-5	1/2"	Tree Shape Pointed End	DC
1	SL-4	1/2"	Tapered Radius End	DC
1	SM-5	1/2"	Cone Shape	DC



1/4" TO 1/2" 8-PIECE SET

Imperial Shank Set Part No. CB-SET-14				
Metric Shank Set Part No. CB6M-SET-14				
Qty	Style	Head Dia.	Description	Cut Style
1	SB-1	1/4"	Cylindrical End Cut	DC
1	SC-1	1/4"	Cylindrical Radius End	DC
1	SD-1	1/4"	Ball Shape	DC
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SD-3	3/8"	Ball Shape	DC
1	SE-3	3/8"	Oval Shape	DC
1	SB-5	1/2"	Cylindrical End Cut	DC
1	SF-5	1/2"	Tree Shape Radius End	DC



1/4" TO 1/2" 8-PIECE SET - ALUMINIUM CUT

Imperial Shank Set Part No. CB-SET-16				
Metric Shank Set Part No. CB6M-SET-16				
Qty	Style	Head Dia.	Description	Cut Style
1	SA-1	1/4"	Cylindrical Square End	AC
1	SC-1	1/4"	Cylindrical Radius End	AC
1	SD-1	1/4"	Ball Shape	AC
1	SC-3	3/8"	Cylindrical Radius End	AC
1	SD-3	3/8"	Ball Shape	AC
1	SE-3	3/8"	Oval Shape	AC
1	SA-5	1/2"	Cylindrical Square End	AC
1	SF-5	1/2"	Tree Shape Radius End	AC



5/16" TO 3/8" 5-PIECE SET

Imperial Shank Set Part No. CB-SET-18				
Metric Shank Set Part No. CB6M-SET-18				
Qty	Style	Head Dia.	Description	Cut Style
1	SC-3	3/8"	Cylindrical Radius End	DC
1	SH-2	5/16"	Flame Shape	DC
2	SF-3	3/8"	Tree Shape Radius End	DC
1	SL-3	3/8"	Tapered Radius End	AC

TAP & DIE HOLDERS

ADJUSTABLE TAP & REAMER WRENCHES FORGED STEEL & CAST-IRON BAR TYPE

- The straight handle design of these tap wrenches provides greater leverage, particularly useful when working with large diameter taps



Part No.	Code	Tap Capacity
Forged Steel Tap & Reamer Wrenches		
GZ-09220	ARWR/SG/0	1 - 12mm
GZ-09221	ARWR/SG/00	1 - 6mm
GZ-09222	ARWR/SG/5	4 - 16mm
GZ-09223	ARWR/SG/6	4 - 20mm
Cast-Iron Tap & Reamer Wrenches		
GZ-09224	ARWR/SG/7	6 - 30mm
GZ-09225	ARWR/SG/8	9 - 45mm

DIE STOCK HOLDERS STEEL CAST ROUND DIES

- Rugged construction die holders



Part No.	Code	Die Size
GZ-09111	DS/0-1	1"
GZ-09113	DS/1-1-2	1-1/2"
GZ-09114	DS/0-2	2"

TAP WRENCHES T HANDLE TYPE

- Industrial quality Tap Wrenches for the professional user
- Designed to give the reach and leverage needed for accurate tapping
- Used for holding taps, drills, reamers & other small tools to be turned by hand
- C.N.C. machined to very close tolerances with self-centring powder metallurgy hardened jaws & knurled chuck sleeve for positive grip
- Sliding T - Handle for fitting into tight spaces with greater leverage
- Different configurations:
 - Regular
 - Ratchet Handle - Left & Right Operation or Locked for non-ratchet use
 - Long Body - for added leverage in hard-to-reach places



Part No.	Code	Body Length	Capacity
Tap Wrench Regular Length			
GZ-09361	TW/164	70mm	1.6 - 6mm
GZ-09362	TW/166	95mm	6 - 12mm
Ratchet Tap Wrench Regular Length			
GZ-09371	TW/R/161	88mm	1.6 - 6mm
GZ-09372	TW/R/162	106mm	6 - 12mm
Ratchet Tap Wrench Extra-Long Length			
GZ-09375	TW/R/161L	330mm	1.6 - 6mm
GZ-09376	TW/R/162L	330mm	6 - 12mm