

**VERSADRIVE  
STEP DRILLS**

*Find them on p15*

**VERSADRIVE**

**H.D Impact Adapter**

*Find it on p36*

**100's OF NEW PRODUCTS  
SIZES & INNOVATIONS**

**JOIN THE  
REVOLUTION**

**NEW MAGNET  
DRILLS**

*Find them on p48*

**BIOCUT PASTE**

*Find it on p79*

**CUTBLUE™  
METAL CUTTING FLUID**



HOLEMAKER-TECHNOLOGY.COM  
**HMT**

**Cutting Tool Innovation**

**Speed up Metalworking**

**WHERE TO FIND US**

Bridge House,  
Pattenden Lane,  
Marden, Kent,  
UK, TN12 9QJ

*Holemaker Technology design, develop, manufacture & wholesale the world leading range of HMT Cutting Tools, created to Speed Up Metalworking.*

With over 25 years of experience in Metal Cutting tools, our story began in 2013 when we began studying the market to identify the tooling that metalworkers were needing to speed up metalworking tasks.

This extensive research combined with the rapid advancement in Cordless power tool technology has enabled HMT to develop and bring this unique product range to market.

**Our Mission & Vision**

**Cutting Tool Innovation  
Speed up Metalworking**

To help the metalworking market save time and money, by speeding up the essential everyday task of creating and modifying the holes that connect metal components.

**To be the leading brand of  
Fabricators cutting tools**

Based in Kent and working with a network of high-quality dealers, HMT has rapidly become the UK's largest manufacturer of specialist fabricators cutting tools.

**Cutting Tool Innovation  
Speed up Metalworking**

The HMT way is to only introduce tools to the market that will perform better and last longer than comparable tools in the market place. Our tools speed up the task and last longer in the challenging environment of metalworking.

We understand that hole making can be tough and tools need to be used right to get the best results. Consult with our technical advisers and we will help you to get the best results every time.



**Leaders in Innovation**

Unique, patent-pending product designs, only available through selected dealers.



**The Highest Quality**

Stringent quality controls resulting in high precision tooling.



**Unparalleled Support**

Expert advice and technical backup to help users achieve best results.



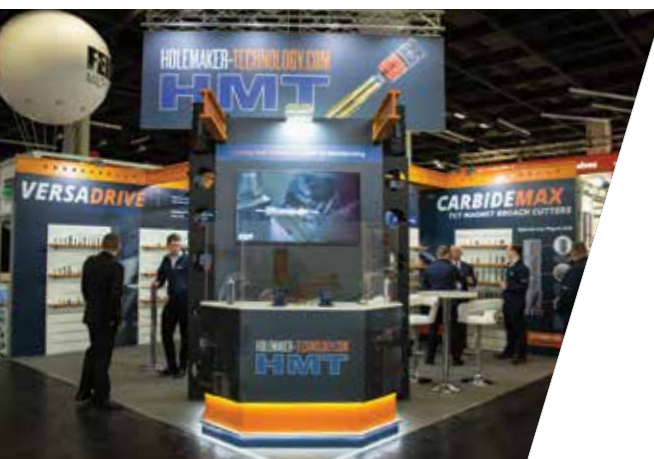
**Fast Delivery**

25,000 items held in stock for next day delivery.



**Great Partnerships**

Working with HMT dealers to maximise return from cutting tools.



**Become a Dealer**

HMT have a growing worldwide network of stockists and distributors. You can order our products directly through your preferred distributor or place your order on our website (no payment will be taken) and we will connect you with a recommended dealer.

**CALL US TO FIND OUT MORE**



STOCKED  
IN OVER  
**30**  
COUNTRIES

**HMT products are currently sold in over 30 countries around the world.**

Experts in fast and efficient international shipping, HMT partner with DHL for expert freight movement, with DHL Express services offering fast services with 1-2 days across Europe, and 3-5 days rest of World delivery. For pallet Air-freight deliveries and sea-freight HMT works with international freight forwarder CCT.

HMT have an excellent location for rapid dispatch of goods with London Heathrow and Gatwick Airport within 1 hour, and Felixstowe, DP London Gateway, and Southampton sea freight docks all within 2 hours of our distribution centre. We are also based less than 1 hour from Dover docks and the Channel Tunnel.

**VERSADRIVE**  
PATENT PENDING

**CARBIDEMAX**  
TUNGSTEN CARBIDE TECHNOLOGY

4X Longer life than HSS Cutters  
with a 15% Faster cut

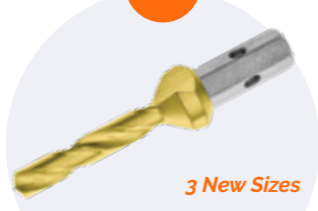
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VSD TurboTip  
Drill Bits

NEW

p10



VersaDrive  
DrillSink

3 New Sizes

p12



VersaDrive  
Holesaws

New 12mm  
New 12/13mm pilot drill

p14



VersaDrive  
Impact Step Drills

New 40mm Size  
New Inch sizes

p42



HMT MAX30  
Magnet Drill

p44



MAX50T  
Magnet Drill

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RTA40 Low Profile  
Magnet Drill

p47



MAX200  
Magnet Drill

NEW

p16



VersaDrive  
Cobalt Drill Bits

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VersaDrive  
Blacksmith Bits

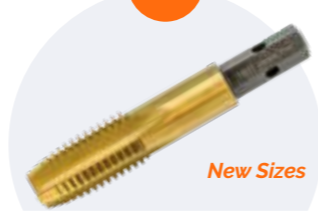
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VersaDrive  
ImpactaTaps (Metric)

New M27 & M30  
Galvanised

p22



VersaDrive  
ImpactaTaps (Inch Sizes)

New Sizes

p52



HMT Ultra  
Broaching

NEW

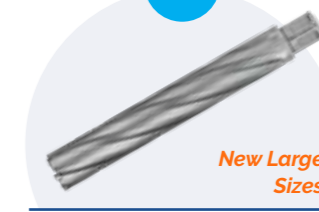
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CarbideMax  
40 & 55

New Sizes

p59



CarbideMax  
80 & 110

New Large  
Sizes

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CarbideMax  
150 & 200

Reduced  
Prices

p23



VersaDrive  
ImpactaTaps (Long Series)

NEW

p25



VersaDrive  
ImpactaTaps (Spiral Flute)

NEW

p26



VersaDrive  
Drill Taps

New Inch size Range

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VersaDrive  
HD DrillTaps

New M8 & M10  
New Imperial Range

p64



CarbideMax  
XL55 & XL110

New Sizes  
Updated Adapter

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CarbideMax Rail  
TCT Cutters

NEW

p69



SilverMax Weldon  
Twist Drills

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Extensions  
& Arbors

p30



VersaDrive  
Impact Reamers

New 8, 10, 21mm  
New Inch size Range

p32



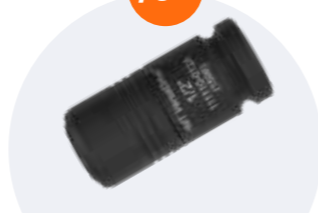
VersaDrive  
Countersinks

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VersaDrive Impact  
Driver Adapter

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VSD HD Impact  
Wrench Adapter

p71



ImpactaMag  
Impact Reamer

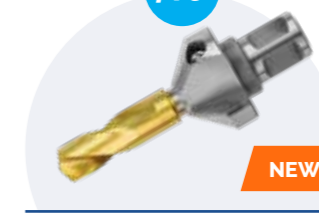
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MultiSink

New Pilots

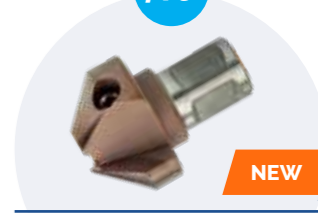
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TCT MultiSink

NEW

p75



HMT Ultra  
MultiSink

NEW

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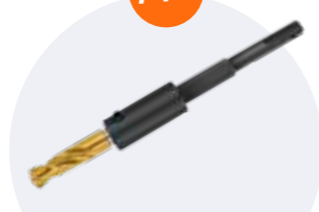
VersaDrive Impact  
Wrench Adapters

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VersaDrive  
Weldon Adapter

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VersaDrive  
Extensions & SDS+

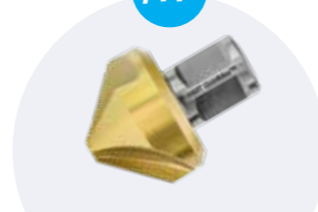
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Swarf Lifter

NEW

p77



Weldon Shank  
Countersinks

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Morse Taper Shank  
Countersinks

p78



Burrs

p79



Lubricants

New Paste



- Up to 15X faster results than current everyday methods.
- Quick change adapters for faster working.
- Modular system with a choice of drive methods and adapters.
- Designed to fit all standard drill chucks for pistol and pillar drills.
- High grade steel with titanium coating for up to 6x longer life.

# VERSADRIVE<sup>®</sup>

PATENT PENDING

VersaDrive is the worlds first modular cutting tool system to increase productivity for the professional site metalworker

This new armory of solutions is the first cutting tool system designed for use with todays high-performance cordless power tools.

First launched in 2015, VersaDrive has now grown to over 100 different cutting tool solutions, with 40,000 cutting tools sold in 2018, making this the fastest growing range of tooling on the market.

## IMPACT RATED

15 x Faster than standard tools

### WHY IMPACT?

The Impact rated range of VersaDrive tools are designed to cut with the edges of the cutting face rather than the tip. Double hardened & combined with the controlled power of an impact wrench they provide phenomenal cutting performance



**IMPACT DRIVER ADAPTER**    **1/2" IMPACT WRENCH ADAPTER**    **1/2" HD IMPACT WRENCH ADAPTER**    **3/4" IMPACT DRIVER ADAPTER**

<b>TURBO-TIP DRILL BITS</b>  NEW P.8	<b>VERSADRIVE IMPACT TAPS</b>  P.20	<b>VERSADRIVE SPIRAL FLUTE TAPS</b>  NEW P.25	<b>VERSADRIVE LONG SERIES TAPS</b>  NEW P.23	<b>VERSADRIVE REAMERS</b>  Page 31	<b>VERSADRIVE DRILL TAPS</b>  P.27	<b>VERSADRIVE STEP DRILLS</b>  P.15
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## ROTARY RATED

Non-Slip Tri-Lock Shank

### WHY ROTARY?

The Rotary rated range of VersaDrive tools are designed to cut with the point or tip of the tool using flutes for tool clearance. Used with high powered rotary-drilling tools like Magnet Drills and Pistol Drills, they will provide excellent cutting performance, outlasting any comparable tool on the market.



**DRILL CHUCKS**    **EXTENSION ARBORS**    **SDS+ ADAPTER**    **MAGNET DRILL ADAPTER**    **MORSE TAPER ADAPTERS**

<b>VERSADRIVE COBALT DRILL BITS</b>  P.16	<b>VERSADRIVE BLACKSMITH DRILL BITS</b>  P.18	<b>VERSADRIVE TCT HOLESAWS</b>  P.13	<b>VERSADRIVE COUNTERSINK BITS</b>  P.33	<b>VERSADRIVE DRILLSINK</b>  P.11	<b>VERSADRIVE HD DRILL TAPS</b>  P.29
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### IMPACT RATED

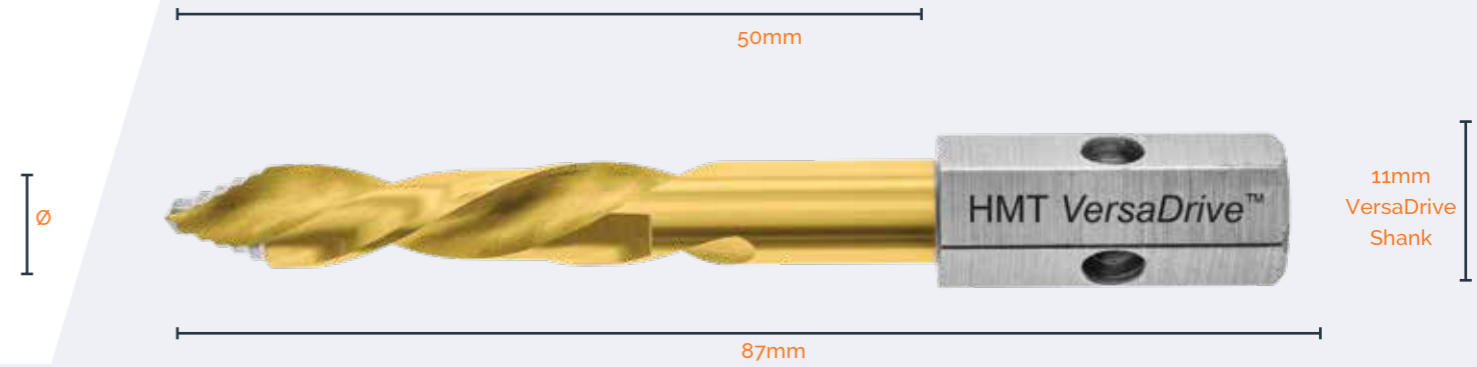
These Versadrive tools work best with an Impact Wrench or Impact Driver. These cordless power tools have become one of the most popular in the world in recent years. These Versadrive tools are the only Impact-Rated cutting tools, using the range of adapters listed above.



### THE VERSADRIVE PATENT PENDING SHANK SYSTEM

Versadrive Patent-Pending Hex Tri-Lock shank. The Versadrive Hexagon shank design fits into all standard drill chucks. No slipping in the chuck like standard tools. Three concentric lock positions give perfect alignment and accuracy when the tooling is used in any of the modular adapters to optimise metalworking processes and increase the tools working life.

- Patented Drill Point - 50% Faster Drilling with 30% less pressure
- Incredible Finished Hole quality
- Instant drill start with no slipping
- No 'snatch' when drill bit breaks through
- Fantastic Tool Life
- Fully Impact Rated on structural steel



**STEPPED TIP DRILLS AT 2X THE SPEED WITH NO PILOT DRILLING NEEDED**

**RECOMMENDED FOR USE WITH ROTARY DRILLS**

**USE WITH EXTENSION & SDS ARBORS**

**RECOMMENDED FOR USE WITH IMPACT DRIVERS**

**RECOMMENDED FOR USE WITH IMPACT WRENCHES**

**CAN BE USED WITH MAGNET DRILLS**

**USE WITH ANY STANDARD 1/2" DRILL CHUCK**

111025-0001  
**£22.35**

**USE WITH 1/4" IMPACT DRIVER ADAPTER**

111110-012A  
**£32.90**

**USE WITH IMPACT WRENCH ADAPTER**

111010-0002  
**£20.10**

**USE WITH EXTENSION ARBOR**

111030-0001  
**£25.65**

Part No	Ø D mm	Tap Size (Metric Coarse)	RSP £
209015-0060	6.0mm		£16.25
209015-0068	6.8mm	M8	£18.60
209015-0070	7.0mm		£18.95
209015-0080	8.0mm		£19.45
209015-0085	8.5mm	M10	£19.75
209015-0090	9.0mm		£19.95
209015-0100	10mm		£20.65
209015-0105	10.5mm		£20.75
209015-0110	11mm		£20.95
209015-0120	12mm	M14	£22.60
209015-0130	13mm		£25.75
209015-0140	14mm	M16	£28.15

**TurboTip Drill Bit Sets**

Part No	Contents	£ RSP
209015-SET1	4 piece TurboTip Drill Bit Set contains: 6, 8, 10, 12mm	£76.50
209015-SET2	7 piece TurboTip Drill Bit Set contains: 6, 7, 8, 9, 10, 11, 12mm	£134.50
209015-SET3	7 piece TurboTip Drill Bit Set contains: 6.8, 8, 8.5, 10, 10.5, 12, 14mm	£144.95

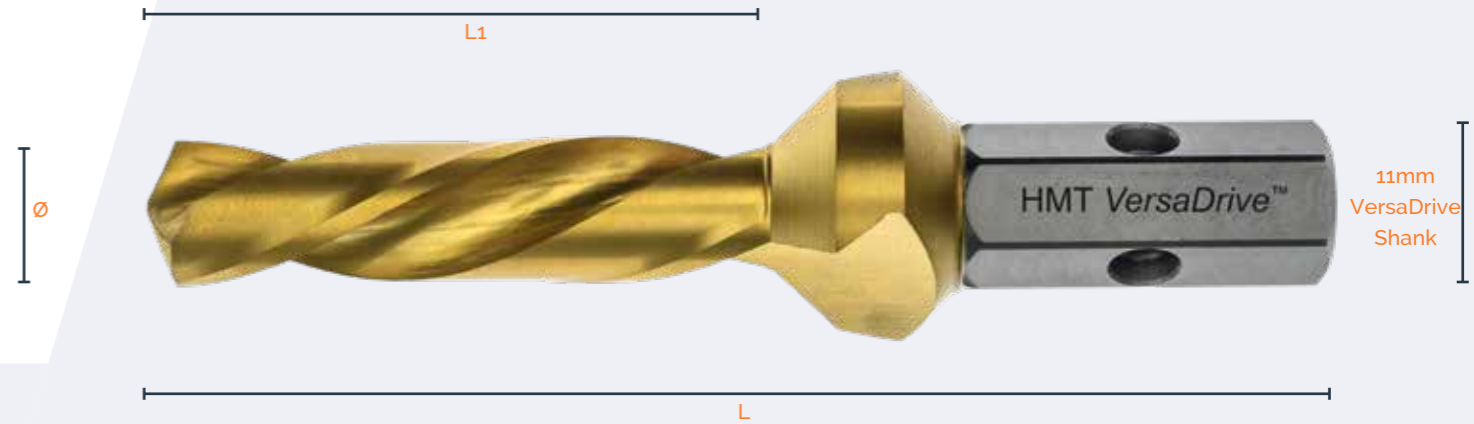


FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

- Drill & Countersink in one easy operation.
- Perfect concentricity creates the perfect Countersink.
- High-Grade tool steel with ground flutes for high accuracy and long life.
- GoldMax low-friction titanium coating to stop burn-out.
- High strength, non-slip shank design.

The DrillSink is an innovative addition to the VersaDrive product range. Saving metalworkers time & increasing hole accuracy by drilling & then countersink fixing holes in one operation.

Ensures smooth countersinking and perfect accuracy every time. Prevents the chattering and reduced tool life commonly experienced with standard countersinks.



**ULTIMATE PRECISION FOR COUNTERSUNK HOLES**

**RECOMMENDED FOR USE WITH ROTARY DRILL**

**RECOMMENDED FOR USE WITH MAGNET DRILLS**

**CAN BE USED WITH IMPACT WRENCHES**  
Up to 16.5mm

**USE WITH EXTENSION & SDS ARBORS**

**USE WITH VERSADRIVE ACCESSORIES**

**USE WITH ANY STANDARD 1/2" DRILL CHUCK**

111030-0001  
**£25.65**

**USE WITH MAGNET DRILL ADAPTER**

111110-012A  
**£32.90**

**USE WITH IMPACT WRENCH ADAPTER up to 16.5mm**

111010-0002  
**£20.10**

**USE WITH EXTENSION ARBOR**

111020-0001  
**£18.65**

**USE WITH SDS+ ADAPTERS (ROTARY ONLY)**

**Clearance Hole Sizes**

Part No	Ø Drill Size	Countersink Size	l1 mm	L mm	Shank mm	Countersunk Screw	Point Angle	RSP £
603070-08124	8mm	12.4mm	47mm	96mm	11.0	M6	90°	£30.70
603070-10165	10mm	16.5mm	47mm	85mm	11.0	M8	90°	£37.90
603070-11205	11mm	20.5mm	47mm	88mm	11.0	M10	90°	£45.15
603070-12205	12mm	20.5mm	47mm	88mm	11.0	M10	90°	£47.05
603070-13250	13mm	25mm	47mm	92mm	11.0	M12	90°	£54.60
603070-14250	14mm	25mm	47mm	92mm	11.0	M12	90°	£56.15

**Tap Hole Sizes**

Part No	Ø Drill Size	Countersink Size	l1 mm	L mm	Shank mm	Countersunk Screw	Point Angle	RSP £
603070-68165 *	6.8mm	16.5mm	47mm	85mm	11.0	M8 (Tapped)	90°	£33.30
603070-85205 *	8.5mm	20.5mm	47mm	89mm	11.0	M10 (Tapped)	90°	£43.75
603070-102250 *	10.2mm	25mm	47mm	93mm	11.0	M12 (Tapped)	90°	£51.00

**DrillSink Set**

Part No	Contents	£ RSP
603070-SET4	Set contains: 8/12.4mm, 10/16.5mm, 12/20.5, 14/25mm VersaDrive DrillSink Bits	£144.60



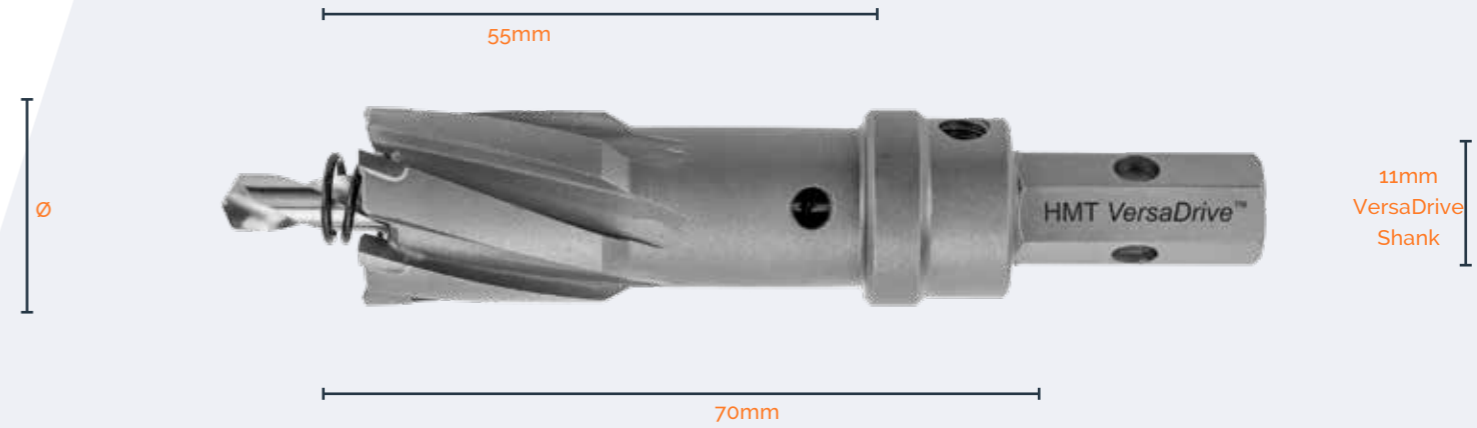
FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

- Massive 70mm reach with 55mm depth of cut
- Premium quality Tungsten Carbide teeth.
- Perfect for drilling heavy steel in remote locations.
- High strength, non-slip shank design.
- Use in any standard 1/2" drill chuck or with the magnet drill adapter. Combine with the multisink tool to broach and countersink in one operation.

A highly versatile Tungsten Carbide Holesaw system for use with a range of power tools including rotary hand-held drills, Mag Drills and Pillar Drills.

The perfect heavy duty Holesaw for fabricators and steel erectors needing to drill through heavy steel in locations that aren't suitable for a mag drill. When using with a Magnet Drill adapter or MultiSink tool, replace supplied pilot drill with 101030P-0002 ejector pin.

One piece design includes arbor and (replaceable) pilot drill



**10x LONGER LIFE THAN STARRET HOLESAWS**

ROTA  
DRILL  
1/2" HEX

**RECOMMENDED FOR USE WITH ROTARY DRILLS**

MAGNET  
DRILL  
TIG WELDED

**RECOMMENDED FOR USE WITH MAGNET DRILLS**

MULTISINK  
11mm

**RECOMMENDED FOR USE WITH THE MULTISINK**

EXTENSION  
30mm

**USE WITH EXTENSION & SDS ARBORS**

EXTENSION  
30mm

SDS+  
PLUS

**USE WITH VERSADRIVE ACCESSORIES**

**USE WITH ANY STANDARD 1/2" DRILL CHUCK**

111030-0001  
**£25.65**

**USE WITH MAGNET DRILL ADAPTER**

P.38

601050-  
From **£86.10**

**USE WITH THE MULTISINK TOOL**

P.73

111010-0002  
**£20.10**

**USE WITH EXTENSION ARBOR**

P.40

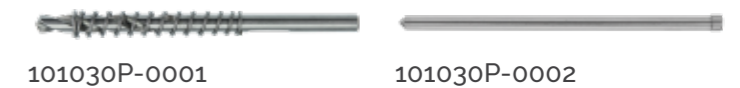
111020-0001  
**£18.65**

**USE WITH SDS+ ADAPTERS (ROTARY ONLY)**

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Part No	Ø D mm	Ø D Inch	Tap Size (Metric Coarse)	Uses Grub Screw	RSP £
101030-0120 *	12mm		M14	M5	£32.15
101030-0130	13mm		-	M5	£32.50
101030-0140	14mm	9/16"	M16	M5	£32.65
101030-0150	15mm		-	M6	£32.85
101030-0160	16mm	5/8"	-	M6	£33.80
101030-0170	17mm	11/16"	-	M6	£33.95
101030-0175	17.5mm		M20	M6	£34.05
101030-0180	18mm		-	M6	£34.05
101030-0190	19mm	3/4"	-	M6	£34.25
101030-0200	20mm		-	M6	£34.60
101030-0210	21mm	13/16"	M24	M8	£34.80
101030-0220	22mm	7/8"	-	M8	£35.10
101030-0230	23mm		-	M8	£36.60
101030-0240	24mm	15/16"	M27	M8	£36.90
101030-0250	25mm	1"	-	M8	£39.55
101030-0260	26mm		-	M8	£42.15
101030-0270	27mm	1-1/16"	-	M8	£44.60
101030-0280	28mm		-	M8	£47.55
101030-0290	29mm	1-1/8"	-	M8	£48.75
101030-0300	30mm	1-3/16"	-	M8	£49.15
101030-0310	31mm		-	M8	£50.05
101030-0320	32mm	1-1/4"	M36	M8	£50.95
101030-0330	33mm	1-5/16"	-	M8	£52.35
101030-0340	34mm		-	M8	£56.45
101030-0350	35mm	1-3/8"	-	M8	£60.70
101030-0360	36mm		-	M8	£65.75

Part No	Ø D mm	Ø D Inch	Uses Grub Screw	RSP £
101030-0370	37mm	1-7/16"	M8	£66.05
101030-0380	38mm	1-1/2"	M8	£67.75
101030-0390	39mm	1-9/16"	M8	£68.90
101030-0400	40mm		M8	£69.25
101030-0410	41mm	1-5/8"	M8	£70.10
101030-0420	42mm		M8	£70.80
101030-0430	43mm	1-11/16"	M8	£71.10
101030-0440	44mm	1-3/4"	M8	£71.60
101030-0450	45mm		M8	£72.20
101030-0460	46mm	1-13/16"	M8	£72.55
101030-0470	47mm		M8	£73.20
101030-0480	48mm	1-7/8"	M8	£73.95
101030-0490	49mm		M8	£74.75
101030-0500	50mm		M8	£75.65
101030-0510	51mm	2"	M8	£78.15
101030-0520	52mm	2-1/16"	M8	£80.55
101030-0550	55mm	2-5/32"	M8	£83.15
101030-0600	60mm	2-3/8"	M8	£85.70
101030-0650	65mm	2-9/16"	M8	£91.35
101030-0700	70mm	2-3/4"	M8	£96.60
101030-0750	75mm		M8	£101.75
101030-0800	80mm	3-5/32"	M8	£107.55



**Pilot Drill Bits & Pilot Pins**

**TCT Holesaw Sets**

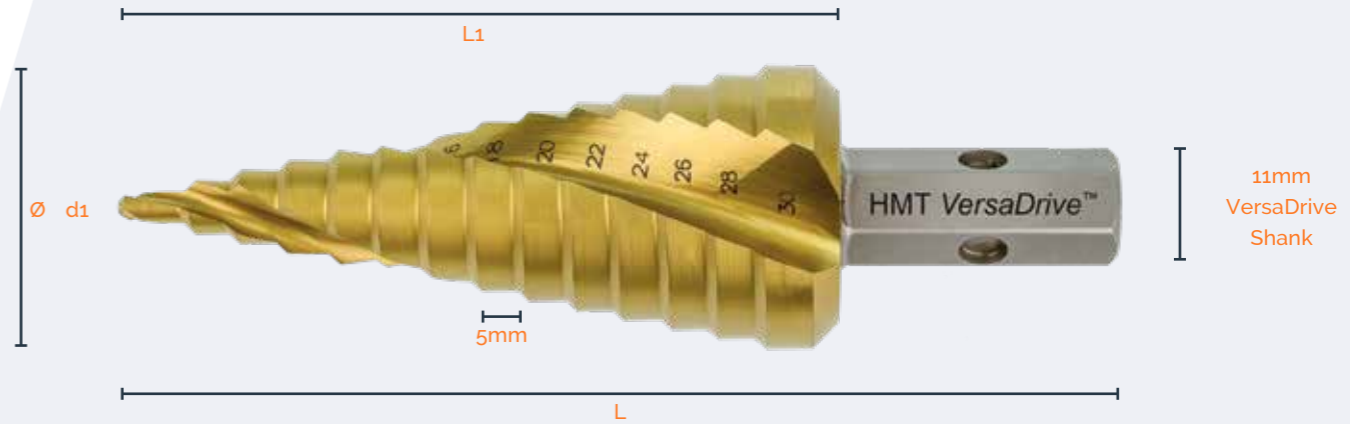
Part No	Contents	£ RSP
101030-SET1	3 piece Set contains: 14, 18, 22mm VersaDrive CarbideMax TCT Holesaws	£92.75
101030-SET2	5 piece Set contains: 14, 17, 18, 21, 22mm VersaDrive CarbideMax TCT Holesaws	£127.95

Part No	Contents	£ RSP
101030P-0130 *	Holesaw Pilot Drill for 12 & 13mm Holesaws, Pack 2 (Supplied WITHOUT ejection spring)	£12.90
101030P-0001	Holesaw Pilot Drill for 14-80mm Holesaws, Pack 2 (Supplied WITH ejection spring)	£12.90
101030P-0002	VersaDrive Holesaw Magnet Broaching/ MultiSink Pilot Pin, PK2	£23.65

- Market Leading 5mm thick drilling capacity
- Fast, smooth drilling with minimal kickback.
- Specially hardened for impact wrench use.
- Precision ground flutes with easy chip clearance
- 135° split point angle for easy starting & accuracy.
- GoldMax low-friction titanium coating to stop burn out.
- High strength, non-slip shank design.

The first step drill optimised for use with impact wrenches & impact drivers; create holes in seconds.

Spiral flute design with self-starting drill tip, for fast, smooth drilling with a rotary drill or impact wrench. Market leading 5mm thick drilling capacity. VersaDrive™ Step Drills have a reinforced hex shank with increased strength for greater feed rates. The non-slip shank design provides a secure hold with all standard drill chucks, preventing slippage.



**CREATES HOLES IN STEEL IN SECONDS**

- RECOMMENDED FOR USE WITH ROTARY DRILLS
- RECOMMENDED FOR USE WITH IMPACT WRENCHES
- RECOMMENDED FOR USE WITH IMPACT DRIVERS
- USE WITH EXTENSION & SDS ARBORS
- USE WITH VERSADRIVE ACCESSORIES

- USE WITH ANY STANDARD 1/2" DRILL CHUCK
- USE WITH IMPACT WRENCH ADAPTERS (P.37) - 111110-012A £32.90
- USE WITH 1/4" IMPACT DRIVER ADAPTER (P.35) - 111025-0001 £22.35
- USE WITH EXTENSION ARBOR (P.40) - 111010-0002 £20.10
- USE WITH SDS+ ADAPTERS (ROTARY ONLY) (P.41) - 111020-0001 £18.65

**Metric Step Drills**

Part No	Ø D mm	d1 mm	l1 mm	L mm	Step Diameters	Step Depth mm	Shank mm	RSP £
505020-0120	12mm	4mm	47	75	4, 6, 8, 10, 12mm	5mm	11.0	£30.10
505020-0220	22mm	4mm	58	86	4, 6, 8, 10, 12, 14, 16, 18, 22mm	5mm	11.0	£42.05
505020-0300	30mm	4mm	77	105	4, 6, 8, 10, 12, 14, 16, 18, 22, 24, 26, 28, 30mm	5mm	11.0	£52.60
505020-0400 *	40mm	6mm	72	101	6, 8, 10, 12, 16, 20, 25, 29, 32, 36, 40mm	6mm	11.0	£94.15

**Inch size Step Drills**

Part No	Ø D	d1	l1	L	Step Diameters	Step Depth	RSP £
505030-0010	1/2"	1/8"	1-1/2"	2-43/64	3/16, 1/4, 5/16, 3/8, 7/16, 1/2"	3/16"	£30.10
505030-0020	7/8"	3/16"	2-9/32"	3-15/32	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"	3/16"	£42.05
505030-0030	1 3/8"	1/4"	1-31/32"	3 5/32	1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8"	3/16"	£52.60

**Step Drill Sets**

Part No:	Set Contents	RSP £
505020-SET1	3 piece Set contains: 12, 22, 30mm Step Drills	£112.70
505030-SET1	3 piece Set contains: 1/2, 7/8, 1-3/8" Step Drills	£112.70



FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

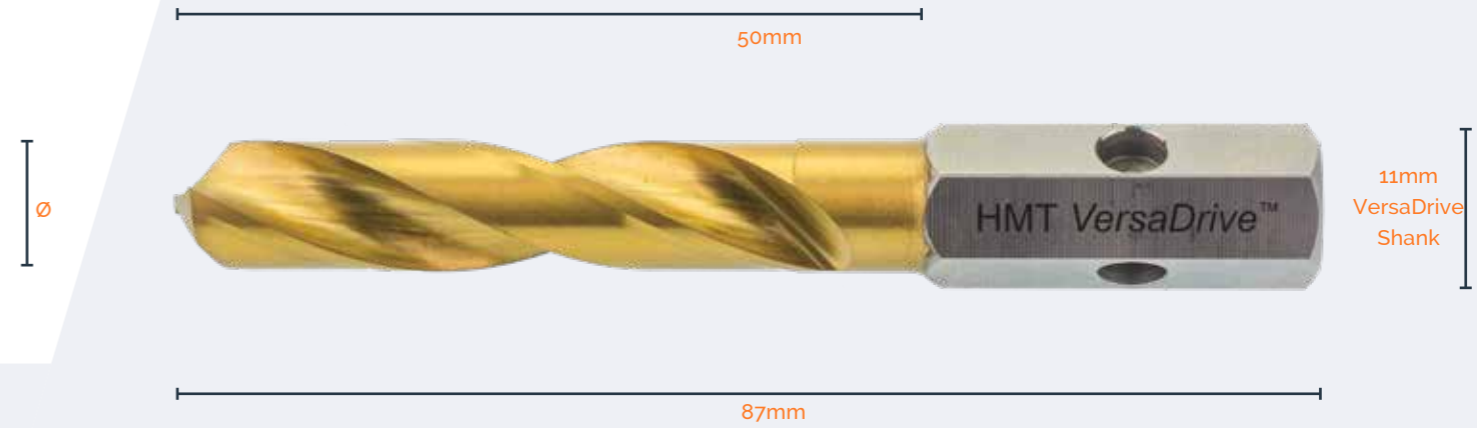


- Fast drilling with minimal kickback.
- Dual hardened for impact wrench use up to 10mm.
- Precision Ground Flutes with easy chip chip clearance.
- 135° Split Point for easy starting and high accuracy.
- 8% Cobalt for long life and endurance.
- GoldMax low-friction titanium coating to stop burn out.
- High Strength, Non-Slip Shank Design.

Simply the best long-life twist drill bits for Metal.

All VersaDrive™ Drill Bits can be used in any standard 1/2" drill chuck for cordless or pistol drill use, or adapted for use in a Magnet Drill or Impact Wrench.

Market leading fabricators drill bit with high spec of 8% Cobalt with full titanium coating.



**HEAVY DUTY COBALT DRILL BITS**

**RECOMMENDED FOR USE WITH ROTARY DRILLS**

**RECOMMENDED FOR USE WITH MAGNET DRILLS**

**CAN BE USED WITH IMPACT WRENCHES 4.2-10.5mm**

**CAN BE USED WITH IMPACT DRIVERS 4.2-10.5mm**

**USE WITH EXTENSION & SDS ARBORS**

**USE WITH ANY STANDARD 1/2" DRILL CHUCK**

**USE WITH MAGNET DRILL ADAPTER**

111030-0001  
**£25.65**

**USE WITH MORSE TAPER ADAPTER**

111040-  
From **£54.30**

**USE WITH SDS+ ADAPTERS (ROTARY ONLY)**

111020-0001  
**£18.65**

**USE WITH EXTENSION ARBOR**

111010-0002  
**£20.10**

Part No	Ø D mm	Tap Size (Metric Coarse)	Fitted Length in Magnet Drill Adapter	RSP £
209010-0042	4.2mm	M5	98mm	£9.00
209010-0050	5.0mm	M6	98mm	£9.70
209010-0055	5.5mm	-	98mm	£11.30
209010-0060	6.0mm	-	98mm	£12.10
209010-0065	6.5mm	-	98mm	£12.30
209010-0068	6.8mm	M8	98mm	£12.55
209010-0070	7.0mm	-	98mm	£13.40
209010-0075	7.5mm	-	98mm	£13.75
209010-0080	8.0mm	-	98mm	£13.95
209010-0085	8.5mm	M10	98mm	£14.65
209010-0090	9.0mm	-	98mm	£14.85
209010-0095	9.5mm	-	98mm	£15.50
209010-0100	10mm	-	98mm	£15.95
209010-0102	10.2mm	M12	98mm	£16.05
209010-0105	10.5mm	-	98mm	£17.05
209010-0110	11mm	-	98mm	£17.60
209010-0115	11.5mm	-	98mm	£18.35
209010-0120	12mm	M14	98mm	£19.20
209010-0125	12.5mm	-	98mm	£20.55
209010-0130	13mm	-	98mm	£21.75

**VersaDrive Drill Bit Sets**

Part No	Contents	£ RSP
209010-SET1	4 piece VersaDrive Drill Bit Set contains: 6.0, 8.0, 10.0, 12.0mm	£61.85
209010-SET2	4 Piece VersaDrive Drill Bit Set contains: 5.0, 6.8, 8.5, 10.2mm	£54.25
209010-SET3	7 piece VersaDrive Drill Bit Set contains: 5.0, 6.0, 6.8, 8.0, 8.5, 10, 10.2mm	£98.35

**SET 1.**



**SET 2.**



**SET 3.**



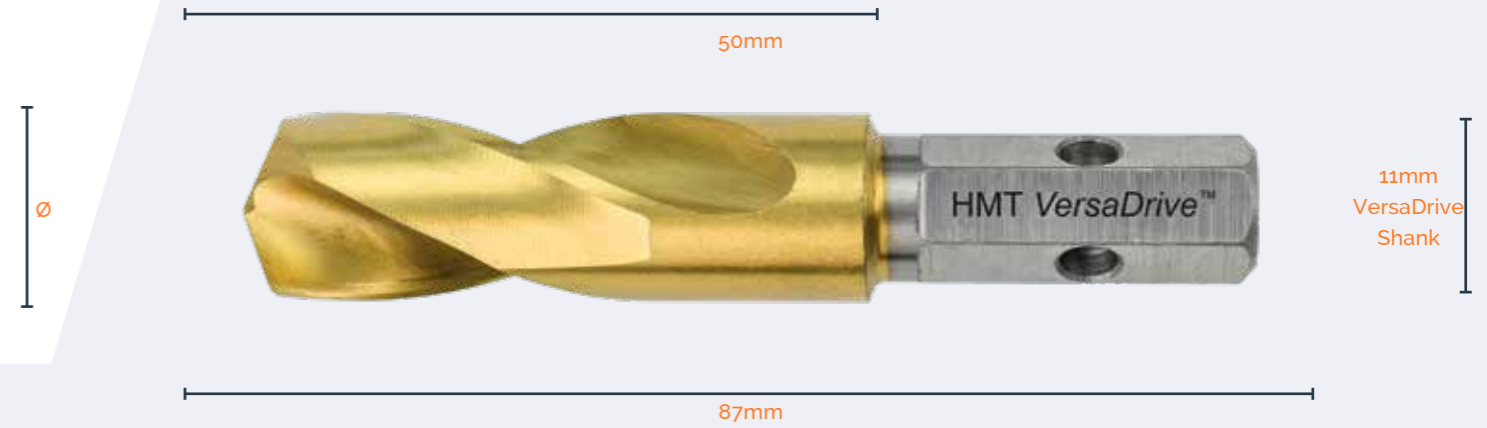
FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

- Fast drilling with minimal kickback.
- Precision Ground Flutes.
- 135° Split Point for easy starting and high accuracy.
- 8% Cobalt for long life and endurance.
- GoldMax low-friction titanium coating to stop burn out.
- High Strength, Non-Slip Shank Design.

Simply the best long-life twist drill bits for Metal.

All VersaDrive™ Drill Bits can be used in any standard 1/2" drill chuck for cordless or pistol drill use, or adapted for use in a Magnet Drill or Impact Wrench.

Market leading fabricators drill bit with high spec of 8% Cobalt with full titanium coating.



**HEAVY DUTY COBALT DRILL BITS**

ROTORARY DRILL  
13MM HEX

**RECOMMENDED FOR USE WITH ROTARY DRILL**

MAGNET DRILL  
DIN WELSON

**RECOMMENDED FOR USE WITH MAGNET DRILLS**

MULTISINK  
11mm

**RECOMMENDED FOR USE WITH MULTISINK**

EXTENSION  
30mm

**USE WITH EXTENSION & SDS ARBORS**

EXTENSION  
30mm

SDS+ PLUS

**USE WITH VERSADRIVE ACCESSORIES**



**USE WITH ANY STANDARD 1/2" DRILL CHUCK**

**USE WITH MAGNET DRILL ADAPTER**

P.38

**USE WITH THE MULTISINK TOOL**

P.73

**USE WITH EXTENSION ARBOR**

P.40

**USE WITH SDS+ ADAPTERS (ROTARY ONLY)**

P.41

111030-0001  
**£25.65**

601050-  
From **£86.10**

111010-0002  
**£20.10**

111020-0001  
**£18.65**

Part No	Ø D mm	Total Length in Magnet Drill Adapter	Tap Size (Metric Coarse)	RSP £
209010-0140	14mm	98mm	M16	£27.00
209010-0160	16mm	98mm	-	£29.75
209010-0175	17.5mm	98mm	M20	£32.65
209010-0180	18mm	98mm	-	£35.35
209010-0200	20mm	98mm	-	£36.80
209010-0210	21mm	98mm	M24	£42.80
209010-0220	22mm	98mm	-	£46.45

**Blacksmith Drill Bit Set**

**209010-SET4**

7 Piece VersaDrive Drill Bit Set contains: 12, 13, 14, 16, 18, 20, 22mm

**RSP £207.40**

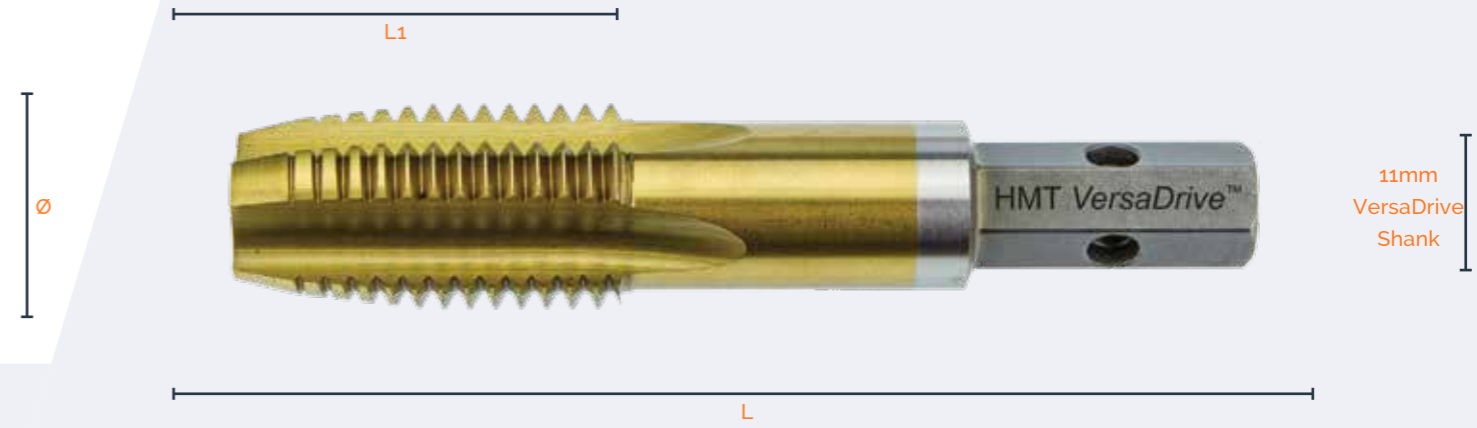


FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

- ✓ Safer tapping with minimal kickback.
- ✓ Specially hardened for impact wrench use.
- ✓ High grade tool steel for high accuracy & long life.
- ✓ Goldmax low friction titanium coating to stop burn out.
- ✓ High strength, non slip shank design.

**15X Faster than Hand Tapping.**

VersaDrive™ ImpactaTaps perform best when adapted for use with an Impact wrench for Tapping through holes. However, they can also be adapted for use in a reversible Magnet Drill, or radial arm tapping machines.



**15x FASTER THAN HAND TAPPING**

**RECOMMENDED FOR USE WITH IMPACT DRIVERS**

**RECOMMENDED FOR USE WITH IMPACT WRENCH**

**RECOMMENDED FOR USE WITH MAGNET DRILLS**

**USE WITH EXTENSION & SDS ARBORS**

**USE WITH VERSADRIVE ACCESSORIES**

**P.35**

**USE WITH 1/4" IMPACT DRIVER ADAPTER**

111025-0001  
**£22.35**

**P.37**

**USE WITH IMPACT WRENCH ADAPTERS**

111110-012A  
**£32.90**

**P.38**

**USE WITH MAGNET DRILL ADAPTER**

111030-0001  
**£25.65**

**P.40**

**USE WITH EXTENSIONS (ROTARY ONLY)**

111010-0002  
**£20.10**

**P.37**

**USE WITH MORSE TAPER ADAPTER**

111040-  
**From £54.30**

**Metric Coarse Thread**

Part No	M Thread Size & Pitch	L mm	l1 mm	Shank mm	Tap Hole Size (Metric Coarse thread)	RSP £
308010-0050	M5 x 0.80	55	18	11.0	4.2mm	£15.45
308010-0060	M6 x 1.00	55	20	11.0	5.0mm	£17.35
308010-0080	M8 x 1.25	60	22	11.0	6.8mm	£20.75
308010-0100	M10 x 1.50	70	24	11.0	8.5mm	£27.80
308010-0120	M12 x 1.75	80	29	11.0	10.2mm	£34.70
308010-0140	M14 x 2.00	90	32	11.0	12.0mm	£38.30
308010-0160	M16 x 2.00	90	32	11.0	14.0mm	£41.60
308010-0200	M20 x 2.50	100	37	11.0	17.5mm	£54.10
308010-0240	M24 x 3.00	110	45	11.0	21.0mm	£63.90
308010-0270 *	M27 x 3.00	130	48	11.0	24.0mm	£69.00
308010-0300	M30 x 3.50	130	48	11.0	26.5mm	£75.70

**SET 1.**



**SET 2.**



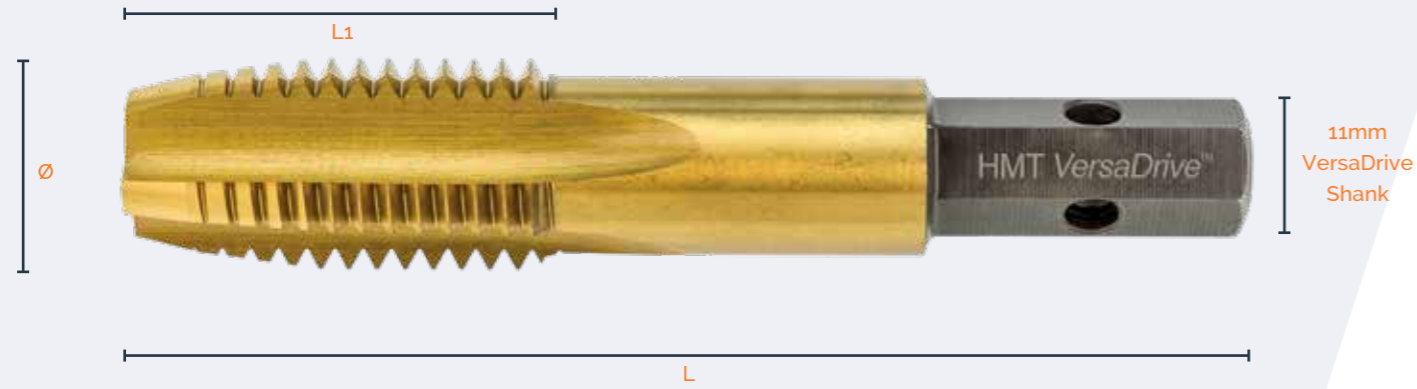
**Impactatap<sup>®</sup> Sets**

Part No	Contents	£ RSP
308010-SET1	5 piece Set contains: M6, M8, M10, M12, M16 VersaDrive ImpactaTaps	£126.75
308010-SET2	4 piece Set contains: M12, M16, M20, M24 VersaDrive ImpactaTaps	£184.90



FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

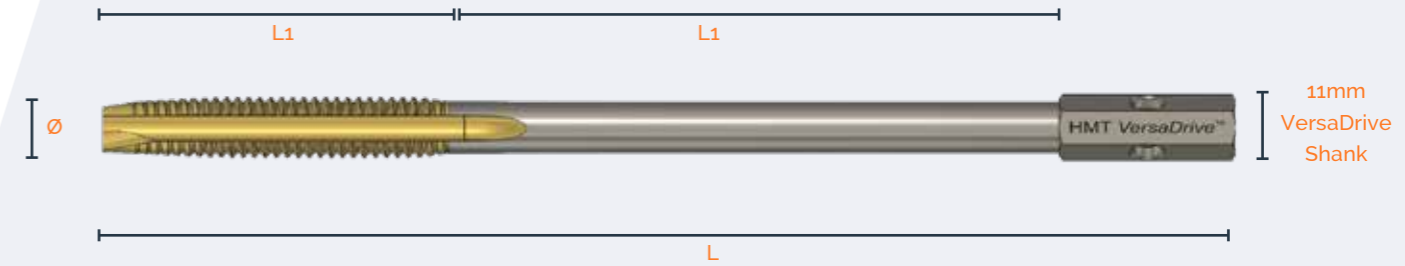
**ImpactaTaps<sup>®</sup> UNC Thread**



UNC ImpactaTap Sets available from stock

Part No	M Thread Size & Pitch	L mm	I1 mm	Shank mm	Tap Hole Size	RSP £
308050-0010	1/4 x 20 UNC	58	20	11.0	5.1mm	£18.20
308050-0020	5/16 x 18 UNC	60	22	11.0	6.6mm	£22.40
308050-0030	3/8 x 16 UNC	70	24	11.0	8mm	£30.70
308050-0040	1/2 x 13 UNC	80	29	11.0	10.8mm	£39.50
308050-0050	5/8 x 11 UNC	90	32	11.0	13.5mm	£44.70
308050-0060	3/4 x 10 UNC	100	37	11.0	16.5mm	£56.70
308050-0065 *	7/8 x 9 UNC	105	40	11.0	18mm	£61.30
308050-0070	1 x 8 UNC	110	45	11.0	22.25mm	£68.15

**ImpactaTap<sup>®</sup> Long Series - Metric Coarse**

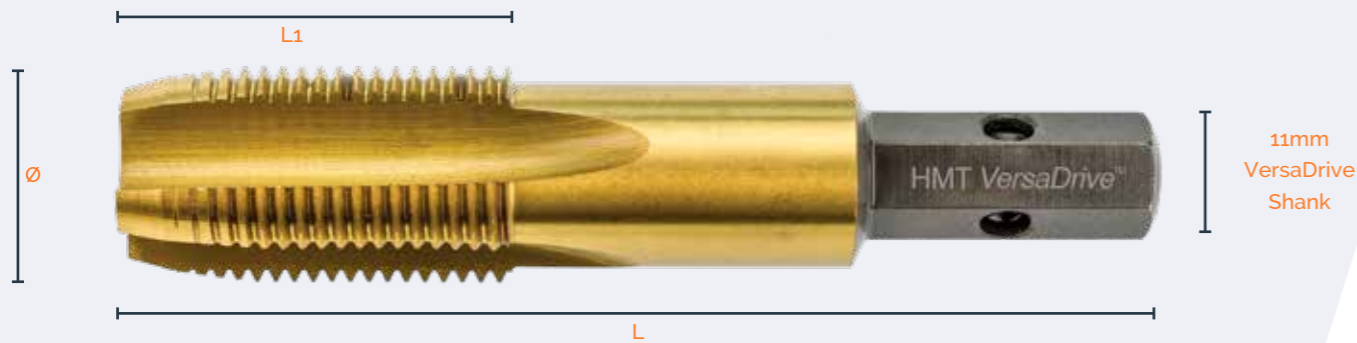


Spiral Point Taps for fast chip ejection in through holes.

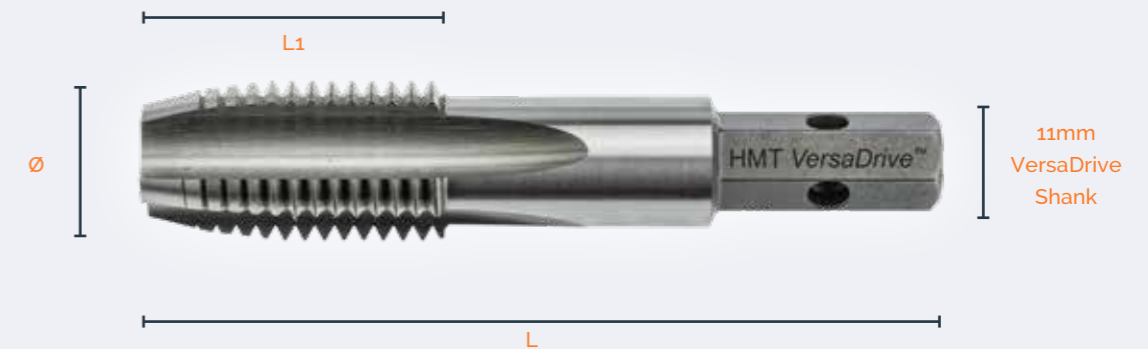
Available Q2 2019

Part No	M Thread Size & Pitch	L mm	I1 mm	I2 mm	Shank mm	Tap Hole Size	RSP £
308015-0080	M8 x 1.25	140	45	112	11.0	6.8mm	£39.55
308015-0100	M10 x 1.50	155	50	127	11.0	8.5mm	£45.75
308015-0120	M12 x 1.75	180	55	152	11.0	10.2mm	£59.15
308015-0160	M16 x 2.0	200	65	172	11.0	14.0mm	£71.45
308015-0200	M20 x 2.5	230	70	202	11.0	17.5mm	£89.80
308015-0240	M24 x 3.0	260	75	232	11.0	21.0mm	£99.40

**ImpactaTap<sup>®</sup> Metric Fine Thread**



**Metric Coarse Oversized ImpactaTaps<sup>®</sup>**



Part No	M Thread Size & Pitch	L mm	I1 mm	Shank mm	Tap Hole Size	RSP £
308030-0060	M6 x 0.75 MF	60	19	11.0	5.25mm	£18.20
308030-0800	M8 x 1.00 MF	70	22	11.0	7.50mm	£22.40
308030-0100	M10 x 1.25 MF	70	24	11.0	8.8mm	£29.10
308030-0120	M12 x 1.50 MF	80	29	11.0	10.5mm	£36.35
308030-0160	M16 x 1.50 MF	90	32	11.0	15mm	£41.10
308030-0180	M18 x 1.50 MF	100	37	11.0	16.8mm	£47.80
308030-0200	M20 x 1.50 MF	100	37	11.0	18.5mm	£54.00
308030-0240	M24 x 1.50 MF	120	92	11.0	22.5mm	£66.55

Used for tapping holes used with Galvanised Fixings

Part No	M Thread Size & Pitch	L mm	I1 mm	Shank mm	Tap Hole Size (Metric Coarse thread)	RSP £
308020-0050	M5 x 0.80 (+ 0.15")	55	18	11.0	4.2	£19.40
308020-0060	M6 x 1.00 (+ 0.15")	55	20	11.0	5.0	£21.85
308020-0080	M8 x 1.25 (+ 0.15")	60	22	11.0	6.8	£25.90
308020-0100	M10 x 1.50 (+ 0.15")	70	24	11.0	8.5	£34.75
308020-0120	M12 x 1.75 (+ 0.15")	80	29	11.0	10.2	£43.50
308020-0160	M16 x 2.00 (+ 0.15")	90	32	11.0	14.0	£52.10
308020-0200	M20 x 2.50 (+ 0.15")	100	37	11.0	17.5	£58.00
308020-0240	M24 x 3.00 (+ 0.15")	110	45	11.0	21.0	£80.05
308020-0300 *	M30 x 3.50 (+ 0.15")	130	48	11.0	26.5	£96.00

**ImpactaTaps<sup>®</sup> BSP Thread**

**VersaDrive Spiral Flute Taps - Metric Coarse**



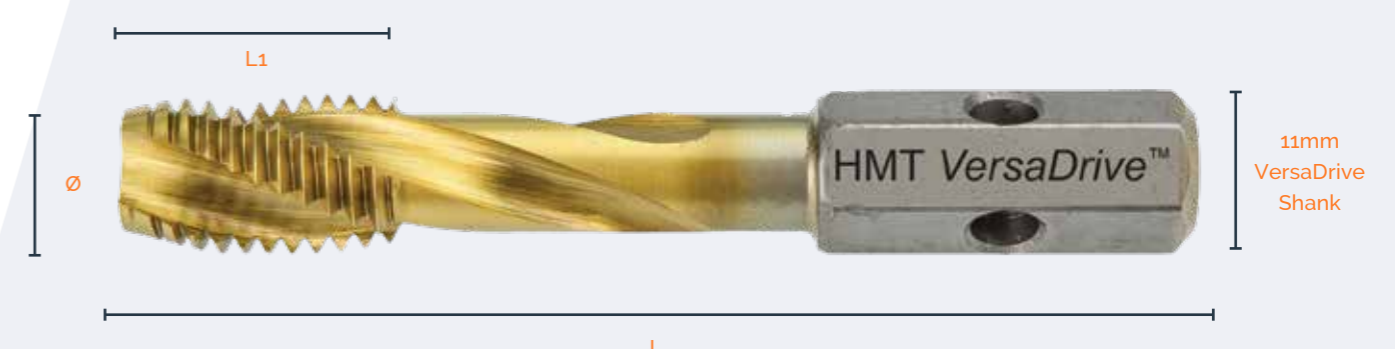
Available Q2 2019

Part No	M Thread Size & Pitch	L mm	I1 mm	Shank mm	Tap Hole Size	RSP £
308070-0010 *	1/8 x 28 BSP	70	24	11.0	8.8mm	£33.50
308070-0020	1/4 x 19 BSP	90	32	11.0	11.8mm	£37.40
308070-0030	3/8 x 19 BSP	90	32	11.0	15.25mm	£41.10
308070-0040	1/2 x 14 BSP	100	37	11.0	19mm	£55.10
308070-0050	5/8 x 14 BSP	100	37	11.0	21mm	£64.95
308070-0060	3/4 x 14 BSP	100	37	11.0	24.5mm	£74.40
308070-0070 *	1 x 11 BSP	110	45	11.0	30.75mm	£80.10

Part No	M Thread Size & Pitch	L mm	I1 mm	Shank mm	Tap Hole Size	RSP £
309010-0060	M6 x 1.00	58	20	11.0	5.0mm	£24.30
309010-0080	M8 x 1.25	60	22	11.0	6.8mm	£29.05
309010-0100	M10 x 1.50	70	24	11.0	8.5mm	£38.95
309010-0120	M12 x 1.75	80	29	11.0	10.2mm	£48.60
309010-0160	M16 x 2.00	90	32	11.0	14.0mm	£58.25
309010-0200	M20 x 2.50	100	37	11.0	17.5mm	£75.75
309010-0240	M24 x 3.00	110	45	11.0	21.0mm	£89.50
309010-0300	M30 x 3.50	130	48	11.0	26.5mm	£106.00

**ImpactaTap<sup>®</sup> BSW Thread**

**VersaDrive Spiral Flute Taps - UNC Thread**



Available Q2 2019

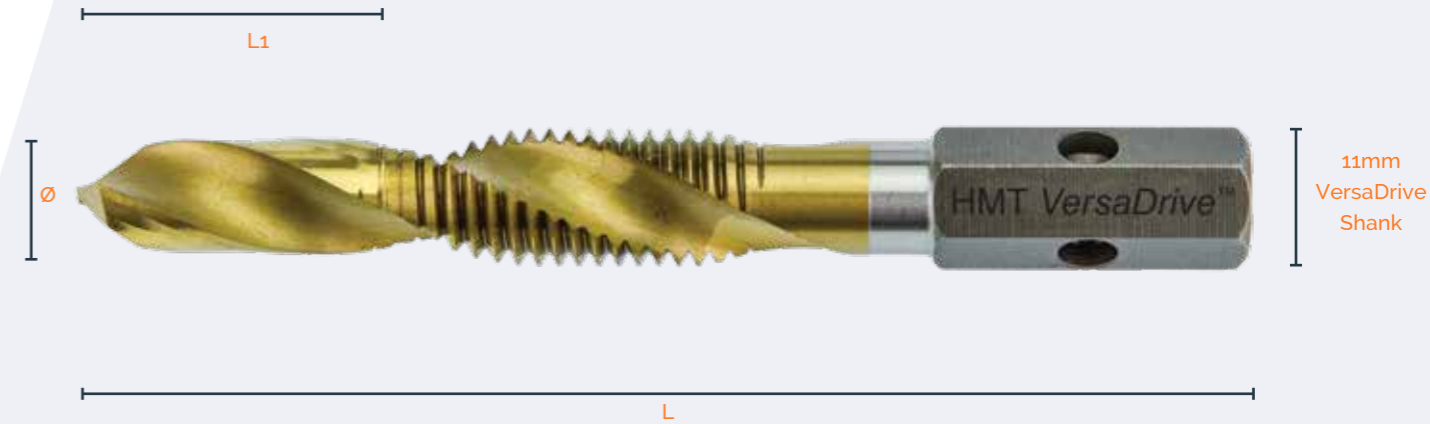
Part No	M Thread Size & Pitch	L mm	I1 mm	Shank mm	Tap Hole Size	RSP £
308060-0010 *	1/4 x 20 BSW	58	20	11.0	5.1mm	£18.20
308060-0015 *	5/16 x 18 BSW	60	22	11.0	6.5mm	£22.40
308060-0020	3/8 x 16 BSW	70	24	11.0	7.9mm	£29.05
308060-0030 *	1/2 x 12 BSW	80	29	11.0	10.5mm	£39.50
308060-0040 *	5/8 x 11 BSW	90	32	11.0	13.5mm	£44.70
308060-0050 *	3/4 x 10 BSW	100	37	11.0	16.25mm	£56.70
308060-0060 *	1 x 8 BSW	110	45	11.0	22mm	£68.15

Part No	M Thread Size & Pitch	L mm	I1 mm	Shank mm	Tap Hole Size	RSP £
309020-0010	1/4 x 20 UNC	58	20	11.0	5.1mm	£26.75
309020-0020	5/16 x 18 UNC	60	22	11.0	6.6mm	£31.95
309020-0030	3/8 x 16 UNC	70	24	11.0	8mm	£42.85
309020-0040	1/2 x 13 UNC	80	29	11.0	10.8mm	£53.45
309020-0050	5/8 x 11 UNC	90	32	11.0	13.5mm	£64.05
309020-0060	3/4 x 10 UNC	100	37	11.0	16.5mm	£83.35
309020-0065	7/8 x 9 UNC	105	40	11.0	18mm	£90.75
309020-0070	1 x 8 UNC	110	45	11.0	22.25mm	£98.45
309020-0110	1-1/4 x 7 UNC	128	41	11.0	28.17mm	£214.50

- Ground flute twist drill creates the perfect tapping hole.
- Safer tapping with minimal kickback.
- Specially hardened for impact wrench use.
- High grade tool steel for high accuracy & long life.
- Goldmax low friction titanium coating to stop burn out.
- High strength, non slip shank design.

**Drill & Tap in one easy operation**

All VersaDrive™ Sheet Metal Impacta-DrillTaps can be used in any standard 1/2" drill chuck for cordless or pistol drill use, or adapter for use in a Magnet Drill or Impact Wrench.



**DRILL & TAP IN ONE EASY OPERATION - WITH AN IMPACT WRENCH**

**RECOMMENDED FOR USE WITH ROTARY DRILL**

**RECOMMENDED FOR USE WITH IMPACT DRIVERS**

**RECOMMENDED FOR USE WITH IMPACT WRENCH**

**RECOMMENDED FOR USE WITH MAGNET DRILLS**

**USE WITH EXTENSION ARBOR**

**USE WITH ANY STANDARD 1/2" DRILL CHUCK**  
 111025-0001  
**£22.35**

**USE WITH 1/4" IMPACT DRIVER ADAPTER**  
 P.35  
 111110-012A  
**£32.90**

**USE WITH IMPACT WRENCH ADAPTER**  
 P.37  
 111030-0001  
**£25.65**

**USE WITH MAGNET DRILL ADAPTER**  
 P.38  
 111010-0002  
**£20.10**

**USE WITH EXTENSION ARBOR**  
 P.40

**Metric Coarse Sheet Metal Drill-Taps**

Part No	M Thread Size & Pitch	d1 mm	L mm	l1 mm	Shank mm	Max tapping depth with impact wrench	RSP £
301125-0030	M3 x 0.50	2.5	55	6	11.0	3mm	£14.50
301125-0040	M4 x 0.70	3.3	60	9	11.0	4mm	£16.20
301125-0050	M5 x 0.80	4.2	71	13	11.0	5mm	£17.35
301125-0060	M6 x 1.00	5.0	75	17	11.0	6mm	£18.30
301125-0080	M8 x 1.25	6.8	82	20	11.0	8mm	£20.45
301125-0100	M10 x 1.50	8.5	92	25	11.0	10mm	£22.40
301125-0120	M12 x 1.75	10.2	103	31	11.0	12mm	£24.75

**Inch Size Sheet Metal Drill-Taps**

Part No	M Thread Size & Pitch	d1	L	l1	Max tapping depth with impact wrench	RSP £
301126-0005	1/4-20 UNC	13/64	2-61/64	19/32	1/4"	£19.40
301126-0006	5/16-18 UNC	1/4	3-15/64	45/64	5/16"	£21.10
301126-0007	3/8-16 UNC	5/16	3-5/8	55/64	3/8"	£23.75
301126-0008	1/2-13 UNC	27/64	4/16	1-7/64	1/2"	£26.55

**Sheet Metal Drill-Tap Sets**

Part No:	Set Contents	RSP £
301125-SET1	Set contains: M5, M6, M8, M10, M12 Combi Drill-Taps	£90.05
301126-SET1	Set contains: : 1/4, 5/16, 3/8, 1/2" UNC Combi Drill Taps	£89.95

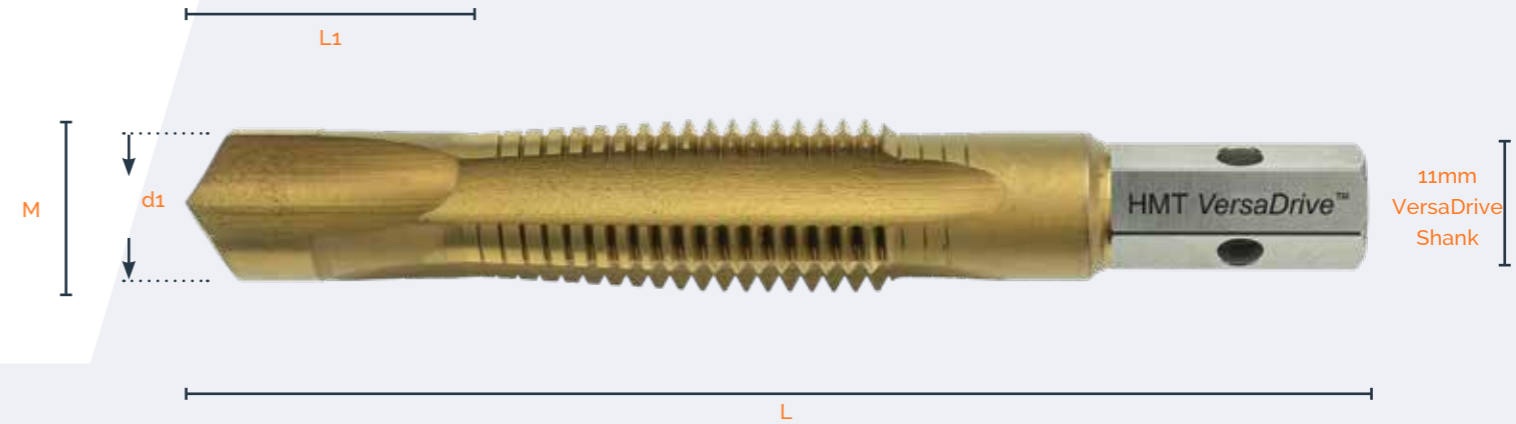


FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

- Fast Tapping with Minimal Kickback.
- Specially hardened for Impact Wrench use.
- Chipbreaker action for Automatic chip clearance when Impact Tapping.
- Unique Dual-Point Starting Angle for easy alignment and fast cut.
- High Grade Tool Steel for high accuracy & long life.

VersaDrive™ Heavy Duty Impacta-Drill Taps are primarily designed to be adapted for use with a reversible Magnet Drill to drill and tap heavy plate in 1 easy operation.

However, they can also be adapted for use with an impact wrench to enlarge and tap existing holes. Due the high rotational torque generated by larger thread sizes, Heavy Duty Impacta-DrillTaps are not recommended for use in a pistol drill above M12.



**DRILL & TAP IN ONE EASY OPERATION**

**RECOMMENDED FOR USE WITH MAGNET DRILLS**

**CAN BE USED WITH IMPACT WRENCH**

**RECOMMENDED FOR USE WITH THE MULTISINK**

**USE WITH EXTENSION ARBOR**

**USE WITH MORSE TAPER DRILLS**

**USE WITH MAGNET DRILL ADAPTER**

111030-0001  
**£25.65**

**USE WITH IMPACT WRENCH ADAPTERS (TAP ONLY)**

111110-012A  
**£32.90**

**USE WITH THE MULTISINK TOOL**

601050-  
From **£86.10**

**USE WITH EXTENSION ARBOR TO M12 (ROTARY ONLY)**

111010-0002  
**£20.10**

**USE WITH MORSE TAPER ADAPTER**

111040-  
From **£54.30**

**Metric Coarse - Heavy Duty Drill-Taps**

Part No	M Thread Size & Pitch	d1 mm	L mm	l1 mm	Shank mm	Max Tapping Depth	RSP £
301130-0080 *	M8 x 1.25	6.8	100	30	11.0	20mm	<b>£41.50</b>
301130-0100 *	M10 x 1.50	8.5	105	30	11.0	20mm	<b>£44.20</b>
301130-0120	M12 x 1.75	10.2	117	35	11.0	25mm	<b>£48.80</b>
301130-0160	M16 x 2.00	14	117	37	11.0	25mm	<b>£56.80</b>
301130-0200	M20 x 2.50	17.5	135	40	11.0	35mm	<b>£64.50</b>
301130-0240	M24 x 3.00	21	148	45	11.0	40mm	<b>£83.45</b>

**UNC Thread - Heavy Duty Drill-Taps**

Part No	M Thread Size & Pitch	d1	L	l1	Max Tapping Depth	RSP £
301140-0010	1/2-13 UNC	27/64	4 -23/32	1-3/8	1	<b>£56.20</b>
301140-0020	5/8-11 UNC	17/32	5-1/8	1-29/64	1	<b>£62.65</b>
301140-0030	3/4-10 UNC	21/32	5-33/64	1-37/64	1-3/8	<b>£69.70</b>
301140-0050	1-8 UNC	7/8"	6-19/64	1-49/64	1-37/64	<b>£102.60</b>

**Heavy Duty Drill-Tap Sets**

Part No:	Set Contents	RSP £
301130-SET1	Set contains: M12, M16, M20, M24 Heavy Duty Combi Drill-Taps	<b>£225.65</b>
301140-SET1	Set contains: : 1/2, 5/8, 3/4, 1" UNC Combi Drill Taps	<b>£289.50</b>

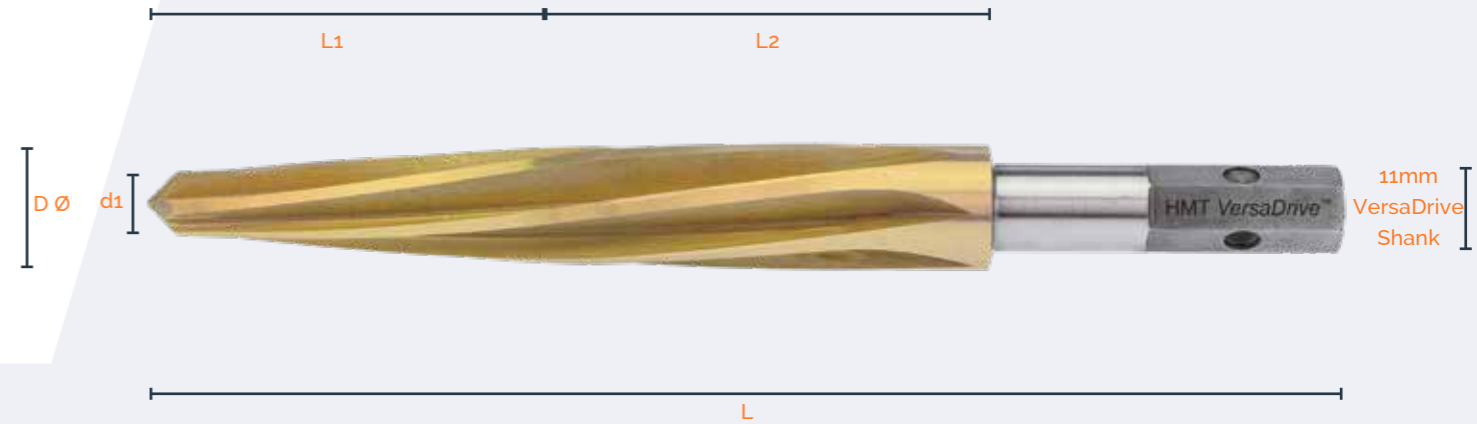


FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

- Precision 6-flute design for smooth cutting.
- Safer reaming with minimal kickback.
- Specially hardened for impact wrench use.
- High grade tool steel for high accuracy and long life.
- Goldmax low-friction titanium coating to stop burn-out.
- High strength, non-slip shank design.

Keep the Job moving when a connection hole is undersized or misaligned.

VersaDrive™ Reamers perform fastest when used with an Impact Wrench. However, they can also be used in any standard 1/2" cordless or pistol drill chuck or fitted into a VersaDrive adapter for use in a variable speed Magnet Drill.



**ENLARGE OR ALIGN EXISTING HOLES WITH AN IMPACT WRENCH**

**Metric Reamers**

Part No	D Ø mm	d1 Ø mm	I1 mm	I2 mm	L mm	Shank mm	£ RSP
501030-0080 *	8mm	4.4	34	36	108	11.0	£28.45
501030-0100 *	10mm	6	34	36	108	11.0	£28.45
501030-0120	12mm	7.1	43	59	144	11.0	£28.45
501030-0140	14mm	7.5	52	50	144	11.0	£32.60
501030-0160	16mm	8.0	58	56	152	11.0	£33.90
501030-0180	18mm	9.4	58	56	170	11.0	£39.25
501030-0200	20mm	11.2	61	65	178	11.0	£45.15
501030-0210 *	21mm	12.3	61	66	185	11.0	£48.55
501030-0220	22mm	13.2	61	66	185	11.0	£51.05
501030-0240	24mm	15.1	63	64	185	11.0	£56.55
501030-0260	26mm	15.9	61	64	185	11.0	£66.95

**Inch size Reamers**

Part No	D Ø	d1 Ø	I1	I2	L	£ RSP
501040-0040	1/2" (12.7mm)	19/64"	1-15/16"	2-1/16"	5 1/2"	£32.05
501040-0050	9/16" (14.3mm)	9/32"	2-1/16"	1-15/16"	5 1/2"	£33.85
501040-0060	5/8" (15.9mm)	5/16"	2-11/64"	2-21/64"	6"	£34.90
501040-0070	11/16" (17.5mm)	3/8"	2-1/4"	2-1/4"	6"	£40.75
501040-0080	3/4" (19.05mm)	13/32"	2-31/64"	2-33/64"	7"	£45.70
501040-0090	7/8" (22.2mm)	17/32"	2-19/32"	2-13/32"	7"	£53.00
501040-0100	15/16" (23.8mm)	19/32"	2-43/64"	2-21/64"	7"	£58.70
501040-0110	1" (25.4mm)	5/8"	2-43/64"	2-21/64"	7"	£56.70
501040-0120	1-1/16" (27mm)	45/64"	2-9/16"	2-7/16"	7"	£69.45

**Reamer Sets**

Part No:	Set Contents	RSP £
501030-3SET	Set contains: 14, 18, 22mm VersaDrive Reamers	£118.50
501030-5SET	Set contains: 12, 14, 18, 22, 26mm VersaDrive Reamers	£215.40
501040-3SET	Set contains: 1/2, 5/8, 3/4" VersaDrive Reamers	£104.80
501040-5SET	Set contains: 1/2, 5/8, 3/4, 7/8, 1 1-16" VersaDrive Reamers	£227.60





- 90° Point Angle for Countersunk Bolt Heads.
- Safer use with minimal kickback.
- Specially hardened for impact wrench use up to 16.5mm.
- High-Grade Tool Steel for high accuracy & long life.
- GoldMax low friction Titanium Coating to stop burn out.
- High Strength, Non-slip shank design.

HMT are the first company on the market to develop a countersink that can be used in an impact wrench as well as used in any standard drill chuck or magnetic drill.

Utilise the convenience and power of an impact wrench to quickly debur and countersink holes up to 16.5mm with minimal torque kick-back against the operator.



**PRECISION COUNTERSINKING TOOL**

ROTA  
RY  
DRI  
LL  
1/2" HEX

**RECOMMENDED FOR USE WITH ROTARY DRILLS**

MAGNET  
DRI  
LL  
1/2" WELDON

**RECOMMENDED FOR USE WITH MAGNET DRILLS**

IMPACT  
WRENCH  
1/4" DRIVE

**CAN BE USED WITH IMPACT DRIVERS Up to 16.5mm**

IMPACT  
WRENCH  
3/8" DRIVE

**CAN BE USED WITH IMPACT WRENCHES Up to 16.5mm**

EXTENSION  
30mm

SDS-  
PLUS

**USE WITH EXTENSION & SDS ARBORS**

**USE WITH ANY STANDARD 1/2" DRILL CHUCK**

**USE WITH MAGNET DRILL ADAPTER**

111030-0001  
**£25.65**

**USE WITH 1/4" IMPACT DRIVER ADAPTER Up to 16.5mm**

111025-0001  
**£22.35**

**USE WITH IMPACT WRENCH ADAPTER Up to 16.5mm**

111110-012A  
**£32.90**

**USE WITH EXTENSION ARBOR**

111010-0002  
**£20.10**

Part No	D Ø mm	Ø d1 mm	l1 mm	L mm	Shank mm	Countersunk Screw	Point Angle	RSP £
603060-0063	6.3mm	1.5	17	45	11.0	M3	90°	£12.40
603060-0083	8.3mm	2.0	22	50	11.0	M4	90°	£16.25
603060-0104	10.4mm	2.5	22	50	11.0	M5	90°	£19.40
603060-0124	12.4mm	2.8	28	56	11.0	M6	90°	£24.60
603060-0165	16.5mm	3.2	32	60	11.0	M8	90°	£28.30
603060-0205	20.5mm	3.5	35	63	11.0	M10	90°	£33.70
603060-0250	25mm	3.8	39	67	11.0	M12	90°	£42.35
603060-0310	31mm	4.2	43	71	11.0	M16	90°	£50.25

**Countersink Set**

**603060-5SET**

Set contains: 12.4, 16.5, 20.5, 25, 31mm VersaDrive Countersink Bits

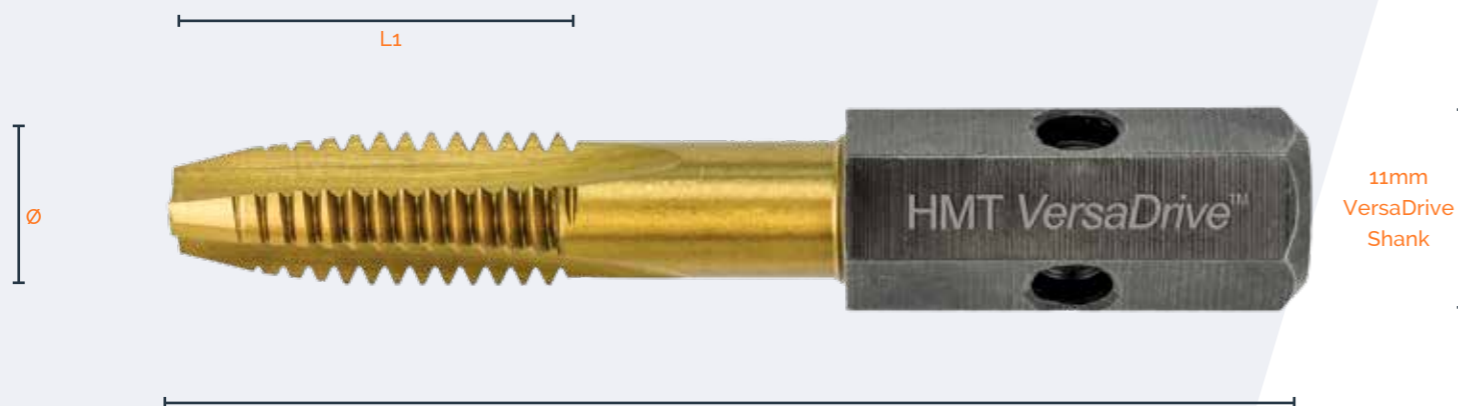
**RSP £174.50**



FOLLOW THE QR CODE FOR VIDEO & MORE INFORMATION

## FarrierTap - BSW Thread

HOLEMAKER-TECHNOLOGY.COM  
**HMT**



Part No	M Thread Size & Pitch	L mm	I1 mm	Shank mm	Tap Hole Size	RSP £
308060-0015 *	5/16 x 18 BSW	60	22	11.0	6.5mm	£22.40
308060-0020	3/8 x 16 BSW	70	24	11.0	7.9mm	£29.05

## FarrierTap Combi DrillTap



Part No	M Thread Size & Pitch	d1	L	I1	Max tapping depth with impact wrench	RSP £
301127-0030	3/8-16 BSW	7.9mm	92mm	22mm	8.5mm	£24.95

## FarrierTap Kit

Part No:	Set Contents	RSP £
301127-SET1	Set contains: 3/8 BSW FarrierTap, 3/8 BSW Combi Drill Tap, 1/4" VersaDrive Impact Adapter	£75.90



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**VERSADRIVE**®  
PATENT PENDING

## VersaDrive 1/4" Impact Driver Adapter

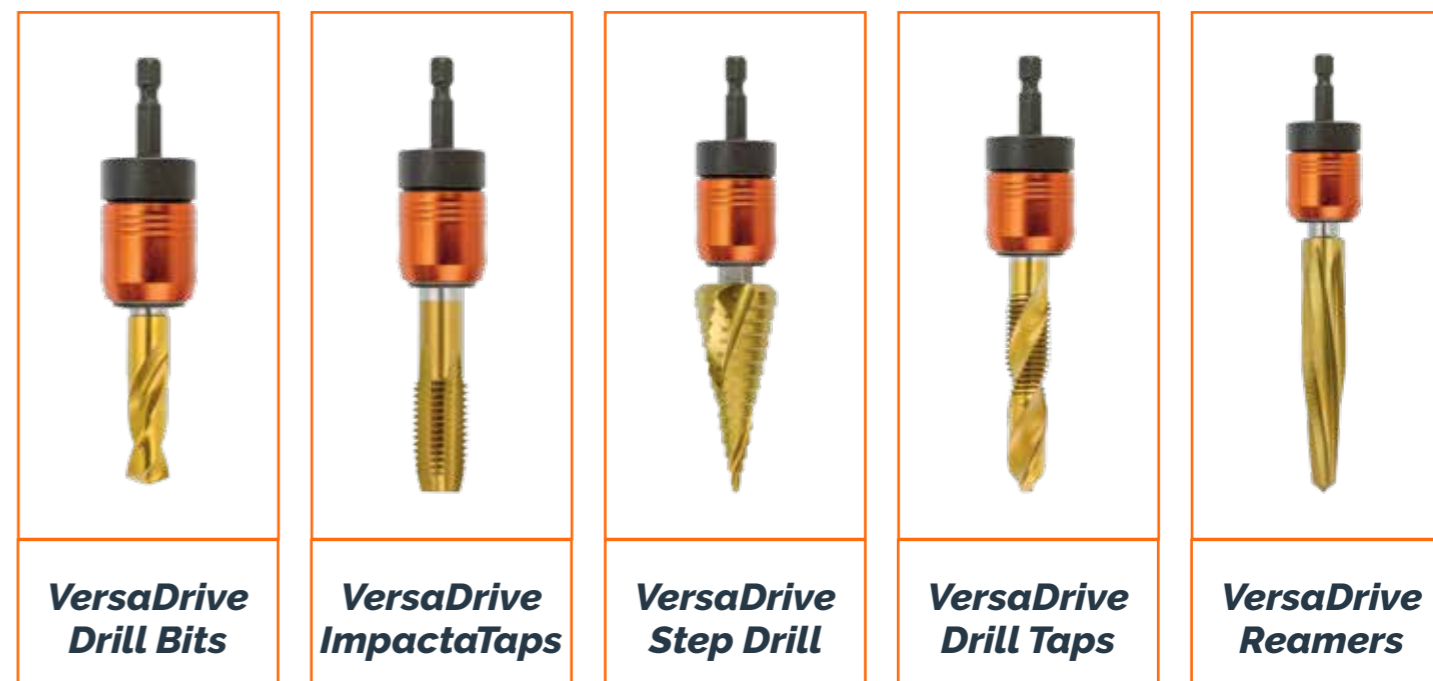


Part No	Drive Size	L mm	Ø mm	Unit of sale	RSP £
111025-0001	1/4" Hex	65	25	1	£22.35

## Adapter Benefits

- High quality impact rated adapter.
- Quick release action for ultimate convenience.

## Use with the VersaDrive Range



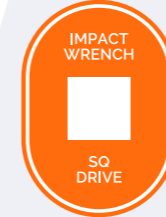
**VersaDrive Drill Bits**

**VersaDrive ImpactaTaps**

**VersaDrive Step Drill**

**VersaDrive Drill Taps**

**VersaDrive Reamers**



Part No	Sq Drive Size	L mm	Ø mm	Unit of sale	RSP £
111120-012A	1/2" Drive	55	25	1	£59.95

The new VersaDrive HD impact wrench adapter has been developed to work with the latest generation of high torque 1/2" drive cordless impact wrenches which are capable of generating in excess of 1000Nm of Torque. This fully impact hardened Manganese Phosphate adapter features a 'pull-forward to release' mechanism which reduces the risk of the tool coming loose in operation.

**Adapter Benefits**

- Supplied with retention pin & ring.
- High quality impact rated adapter.
- Quick release action for ultimate convenience.

**Use with the VersaDrive Range**

<b>VersaDrive Drill Bits</b>	<b>VersaDrive ImpactaTaps</b>	<b>VersaDrive Step Drill</b>	<b>VersaDrive Drill Taps</b>	<b>VersaDrive Reamers</b>

Part No	Sq Drive Size	L mm	Ø mm	Unit of sale	RSP £
111110-012A	1/2" Drive	55	25	1	£32.90
111110-034A	3/4" Drive	60	38	1	£51.25

**Adapter Benefits**

- Supplied with retention pin & ring.
- High quality impact rated adapter.
- Quick release action for ultimate convenience.

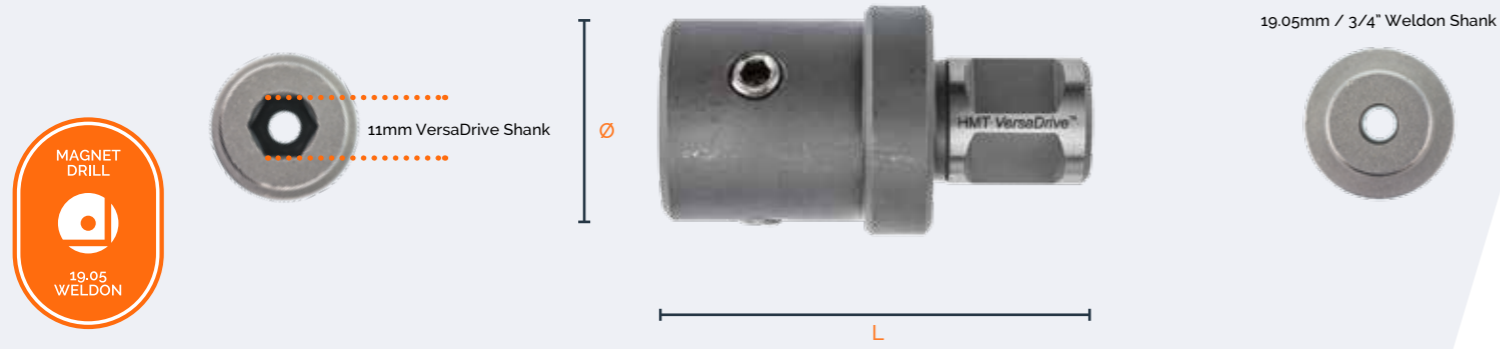


**Use with the VersaDrive Range**

<b>VersaDrive Drill Bits</b>	<b>VersaDrive ImpactaTaps</b>	<b>VersaDrive Step Drill</b>	<b>VersaDrive Drill Taps</b>	<b>VersaDrive Reamers</b>

**VersaDrive Magnet Drill Adapter**

**VersaDrive Morse Taper Arbor**



Part No	Ø mm	L mm	Shank Size	Unit of sale	£ RSP
111030-0001	30	63.5	19.05mm / 3/4"	1	£25.65
111000-0001	Spare Grub Screws		M8 x 1.25	Pack 10	£6.60

Part No	Ø mm	L mm	Shank Size	Unit of sale	£ RSP
111040-0001	30	80	MT2	1	£54.30
111040-0002	30	99	MT3	1	£60.30

**Adapter Benefits**

- 3 X Stainless Steel M8 doghead grub screws supplied per adapter
- Fits into any standard 19.05Mm / 3/4" magnet drill arbor

**Adapter Benefits**

- 3 X Stainless Steel M8 doghead grub screws supplied per adapter
- Ideal for workshop use with radial arm drills & pillar drills

**Use with the VersaDrive Range**

**Use with the VersaDrive Range**





Part No	Ø	L	Units	£ RSP
111010-0002	23mm	300mm	1	£20.10

**Adapter Benefits**

- Not rated for impact wrench use.
- Join multiple extensions for extra length.
- Will pass through holes larger than 23mm

**Use with the VersaDrive Range**

				
<b>VersaDrive Drill Bits</b>	<b>VersaDrive Taps</b>	<b>VersaDrive Step Drill</b>	<b>VersaDrive Drill Taps</b>	<b>VersaDrive Holesaws</b>



Part No	Ø mm	L mm	Units	£ RSP
111020-0001	21.5	140	1	£18.65

**Adapter Benefits**

- Not for hammer use, use on rotary drilling setting only.
- Will pass through holes larger than 21.5mm

**Use with the VersaDrive Range**

				
<b>VersaDrive Drill Bits</b>	<b>VersaDrive Reamers</b>	<b>VersaDrive Step Drill</b>	<b>VersaDrive Countersinks</b>	<b>VersaDrive Holesaws</b>

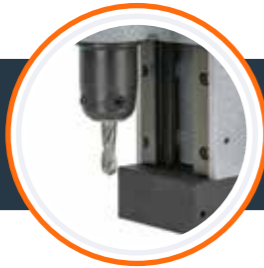
## MAX30 Magnet Drill



**Ultra-Lightweight  
Fast Broaching**



Metal guard system supplied as part of a comprehensive kit package



At just 8.5kg, the Max-30 is the lightest magnetic drill available and probably the most compact. With a powerful 900 Watt high speed motor which is perfectly optimised for broaching the most common structural sizes of 12-30mm, particularly when used with CarbideMax™ TCT Cutters. Very precise and stable cut due to the direct rack and slide design.

Perfect for sitework situations as 8.5kg is a simple one hand lift. **25% lighter than most competitors.**

Each machine comes in a robust plastic site carrying case with foam inserts to protect the machine and accessories. Free accessory pack contains: removable internal coolant system, bottle of broaching lubricant, safety pack with gloves, specs, ear plugs, removable metal guard, safety chain, 4 hex keys.

**THE MARKET LEADING INDUSTRIAL COMPACT MAGNET DRILL**

### Technical Specifications

CUTTER SIZE RANGE	12 - 30 mm
MAX CUTTER LENGTH	55mm
TWIST DRILL RANGE	5 - 13 mm
LENGTH	275 mm
WIDTH INC HANDLES	170 mm
HEIGHT	293 - 383 mm
STROKE	90 mm
WEIGHT	8.5 kg
MAGNET (L X W)	160 x 80 mm
MAGNETIC FORCE	1200 kg
MOTOR POWER	900 W
SPEED	775 RPM
SPINDLE	19.05 mm (3/4") Weldon
TAKES CHUCK	No
COOLANT SYSTEM	Removable

Part No	Contents	Volt	List Price
803019-0001	HMT MAX30 Magnet Drill Kit	110v	£443.85
803019-0002	HMT MAX30 Magnet Drill Kit	230v	£443.85

Find a stockist at [www.holemaker-technology.com](http://www.holemaker-technology.com)

## MAX40 Magnet Drill



Metal guard system available. Order separately.



The new MAX40 magnet drill is a robust yet portable unit, with a powerful motor for constant single-speed structural broaching and drilling work

Designed as a mid range unit where power and portability is needed, the MAX40 is optimised for fast broaching with CarbideMax TCT cutters in 40, 55, and 80mm lengths, and works superbly with the VersaDrive twist drill bits from 4.2 - 18mm

Each machine comes in a plastic site carrying case, moulded to protect the machine and accessories. Free accessory pack contains: removable internal coolant system, sliding guard system, safety chain, handles, hex keys.

**POWERFUL & STABLE BROACHING UNIT WITH TWIST DRILLING CAPACITY. SIMPLE AND ROBUST FOR SITE OR WORKSHOP USE**

### Technical Specifications

CUTTER SIZE RANGE	12-40mm
MAX CUTTER LENGTH	80mm
TWIST DRILL RANGE	4.2-18mm
COUNTERSINKING	N/A
LENGTH	270mm
WIDTH INC HANDLES	165mm
HEIGHT	330-430mm
STROKE	100mm
WEIGHT	11.5 Kg
MAGNET SIZE (L x W)	80x160mm
MAGNETIC FORCE	800 Kg
MOTOR POWER	1050 W
SPEED/s (RPM)	430 RPM
ARBOR	19.05mm (3/4") Weldon
TAKES CHUCK	No
COOLANT SYSTEM	Removable

Part No	Contents	Volt	List Price
803045-0001	HMT MAX40 Magnet Drill Kit	110v	£542.25
803045-0002	HMT MAX40 Magnet Drill Kit	230v	£542.25

For UK Sales & Technical Support Call Now: 03330 110 382

## MAX50T Magnet Drill



Metal guard system supplied as part of a comprehensive kit.



Metal guard system supplied as part of a comprehensive kit.



The MAX50T is a unit with exceptional characteristics, blending light weight portability with powerful capacity. All day broaching capability up to 50mm diameter is combined with a forward reverse, variable speed motor that will tap holes up to M20 diameter.

Each machine comes in a robust plastic site carrying case with foam inserts to protect the machine and accessories. Free accessory pack contains: removable internal coolant system, bottle of broaching lubricant, safety pack with gloves, specs, ear plugs, removable metal guard, safety chain, 4 hex keys.

Use with VersaDrive Morse Taper 2 Arbor to quickly convert for use with all VersaDrive Tooling. See Page 39.

**LIGHTWEIGHT & POWERFUL ALL ROUNDER FOR BROACHING, DRILLING, REAMING, COUNTERSINKING & TAPPING.**

### Technical Specifications

CUTTER SIZE RANGE	12-50mm
MAX CUTTER LENGTH	110mm
TWIST DRILL RANGE	3-22mm
TAPPING RANGE	M3-M20
COUNTERSINKING	40mm
REAMING	18mm
LENGTH	320mm
WIDTH INC HANDLES	210mm
HEIGHT	385-550mm
STROKE	170mm
WEIGHT	14 Kg
MAGNET SIZE (L x W)	170x85mm
MAGNETIC FORCE	1850 Kg
MOTOR POWER	1375 W
SPEED/s (RPM)	1) 100-280 2) 185-530
ARBOR	Morse Taper 2
TAKES CHUCK	Yes
COOLANT SYSTEM	Integrated

Part No	Contents	Volt	List Price
803050-0001	HMT MAX50T Magnet Drill Kit	110v	£1003.50
803050-0002	HMT MAX50T Magnet Drill Kit	230v	£1003.50

## MAX100T Magnet Drill



Metal guard system supplied as part of a comprehensive kit.



### Technical Specifications

CUTTER SIZE RANGE	12-100mm
MAX CUTTER LENGTH	200mm
TWIST DRILL RANGE	4-30mm
TAPPING RANGE	M3-M30
COUNTERSINKING	55mm
REAMING	32mm
LENGTH	365mm
WIDTH INC HANDLES	310mm
HEIGHT	510-710mm
STROKE	260mm
WEIGHT	28Kg
MAGNET SIZE (L x W)	220x110mm
MAGNETIC FORCE	3000 kg
MOTOR POWER	2050W
SPEED/s (RPM)	1) 42-110 2) 65-190 3)140-400 4)220-620
ARBOR	Morse Taper 3
TAKES CHUCK	Yes
COOLANT SYSTEM	Integrated

Part No	Contents	Volt	List Price
803070-0001	HMT MAX100T Magnet Drill Kit	110v	£1429.90
803070-0002	HMT MAX100T Magnet Drill Kit	230v	£1429.90

The MAX100T is a robust and heavy duty unit virtually all the performance you will ever need in a magnetic drill. It features an exceptionally powerful 2050W motor, advanced electronics and variable speed motor with reverse. Suitable for broaching, up to M30 tapping, reaming and countersinking.

Each machine comes in a wheeled plastic site carrying case, moulded to protect the machine and accessories. Free accessory pack contains: removable internal coolant system, bottle of broaching lubricant, safety pack with gloves, specs, ear plugs, removable metal guard, safety chain, 4 hex keys.

Use with VersaDrive Morse Taper 3 Arbor to quickly convert for use with all VersaDrive Tooling. See Page 39.

**HEAVY-DUTY WORKHORSE FOR LONG LIFE AND HIGH POWER. WITH EXCELLENT 3000KG MAGNET STABILITY AND LONG STROKE**

## RTA40 Low Profile Magnet Drill



Standard 19.05mm Weldon Shank suitable for all magnet drill cutters.



Metal guard system available. Order separately.



The new HMT RTA40 is a low profile Magnet drill for tight access applications, being designed to fit into any space greater than 200mm. Suitable for use with any standard broaching cutters while optimised to work with the high-performance CarbideMax 40 cutters.

- Ratchet drive can be mounted on either side of the machine.
- Powerful motor and magnet gives excellent stability.

Each machine comes in a plastic case with hex keys, safety strap, ratchet, and removable coolant system

**IDEAL FOR TIGHT ACCESS APPLICATIONS**

### Technical Specifications

CUTTER SIZE RANGE	12-40mm
MAX CUTTER LENGTH	40mm
TWIST DRILL RANGE	5-12mm
COUNTERSINKING	30mm
LENGTH	400mm
WIDTH	120/145mm
HEIGHT	200mm
STROKE	50mm
WEIGHT	13kg
MAGNET SIZE (L x W)	100x215mm
MAGNETIC FORCE	780kg
MOTOR POWER	1300 W
SPEED/s (RPM)	320 RPM
ARBOR	19.05mm (3/4") Weldon
TAKES CHUCK	No
COOLANT SYSTEM	Removable

Part No	Contents	Volt	List Price
803086-0001	HMT RTA40 Magnet Drill Kit	110v	£849.75
803086-0002	HMT RTA40 Magnet Drill Kit	230v	£849.75

Find a stockist at [www.holemaker-technology.com](http://www.holemaker-technology.com)

## MAX200 Magnet Drill



### Technical Specifications

CUTTER SIZE RANGE	12-200mm
MAX CUTTER LENGTH	200mm
TWIST DRILL RANGE	12-50mm
TAPPING RANGE	N/A
COUNTERSINKING	31-80mm
REAMING	39mm
LENGTH	480mm
WIDTH INC HANDLES	260mm
HEIGHT	660-840mm
STROKE	180mm
WEIGHT	53kg
MAGNET SIZE (L x W)	330x110mm
MAGNETIC FORCE	3900kg
MOTOR POWER	3800W
SPEED/s (RPM)	1) 70-150 2)170-410 RPM
ARBOR	MT4
TAKES CHUCK	Yes

Part No	Contents	Volt	List Price
803095-0001	HMT MAX200 Magnet Drill Kit	110v	£6852.15
803095-0002	HMT MAX200 Magnet Drill Kit	230v	£6852.15

The HMT MAX200 is built for the largest broaching, drilling, and countersinking tasks. This hugely powerful machine moves site engineering into a new category

- Morse Taper 4 Industrial 3.8kw motor with overload protection and variable speed
- High precision slideway system for tooling accuracy
- Twin folding handles and lifting eye for safe lifting

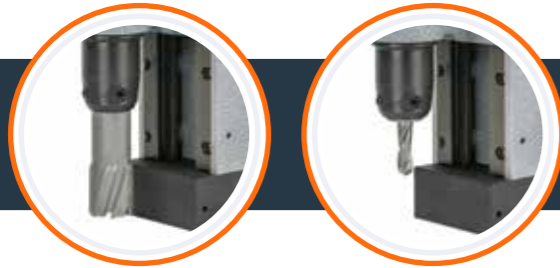
Each machine comes in a wheeled HD site carrying case, moulded to protect the machine and accessories. Free accessory pack contains XL broach cutter arbor, hex keys, safety strap

**HUGE POWER AND MAGNET HOLD TO MAKE LIGHT WORK OF HEAVY ENGINEERING TASKS**

For UK Sales & Technical Support Call Now: 03330 110 382



## TUBE30 Magnet Drill



The HMT TUBE30 is ideal for drilling tube, pipework, and both curved and flat metal. The twin swiveling magnets do not require electricity, and offer a secure and powerful hold even on tube and sheet as thin as 3mm

- With high speed 900W power the TUBE30 cuts holes between 12 and 30 mm diameter quickly and easily.
- Perfect for Carbidemax 40 and 55 series cutters

Each machine comes in a metal site carrying case with foam inserts to protect the machine and accessories. Free accessory pack contains: removable internal coolant system, bottle of broaching lubricant, safety pack with gloves, specs, ear plugs, removable metal guard, safety chain, 4 hex keys.

**LIGHTWEIGHT & PORTABLE UNIT PERFECT FOR SMALL PIPEWORK FABRICATIONS & SITE WORK**

### Technical Specifications

CUTTER SIZE RANGE	12 - 30 mm
MAX CUTTER LENGTH	55mm
TWIST DRILL RANGE	5 - 13 mm
LENGTH	275 mm
WIDTH INC HANDLES	185 mm
HEIGHT	326 - 416 mm
STROKE	90mm
WEIGHT	11 kg
MAGNET (L X W)	187 x 165 x 83 mm
MAGNETIC FORCE	532 kg
MOTOR POWER	900 W
SPEED	775 RPM
SPINDLE	19.05 mm (3/4") Weldon
TAKES CHUCK	No
COOLANT SYSTEM	Removable

Part No	Contents	Volt	List Price
803017-0001	HMT TUBE30 Magnet Drill Kit	110v	£1249.00
803017-0002	HMT TUBE30 Magnet Drill Kit	230v	£1249.00

Find a stockist at [www.holemaker-technology.com](http://www.holemaker-technology.com)

## TUBE55 Magnet Drill



### Technical Specifications

CUTTER SIZE RANGE	12-55mm
MAX CUTTER LENGTH	110mm
TWIST DRILL RANGE	4.2-18mm
COUNTERSINKING	40mm
LENGTH	320mm
WIDTH INC HANDLES	210mm
HEIGHT	523-693mm
STROKE	170mm
WEIGHT	17.6 Kg
MAGNET SIZE (L x W)	266x239mm
MAGNETIC FORCE	860 Kg
MOTOR POWER	1700 W
SPEED/s (RPM)	1) 185-530 2) 250-460 RPM
ARBOR	19.05mm (3/4") Weldon
TAKES CHUCK	No
COOLANT SYSTEM	Removable

Part No	Contents	Volt	List Price
803023-0001	HMT TUBE55 Magnet Drill Kit	110v	£2145.00
803023-0001	HMT TUBE55 Magnet Drill Kit	230v	£2145.00

The HMT TUBE55 is ideal for drilling, tapping and countersinking on tube, pipework, and both curved and flat metal. The twin swiveling magnets do not require electricity, and offer a secure and powerful hold even on tube and sheet as thin as 3mm

- Can be used with VersaDrive Morse Taper 3 Arbor to quickly convert for use with all VersaDrive Tooling
- Suitable for clamping to pipe 75mm diameter and larger

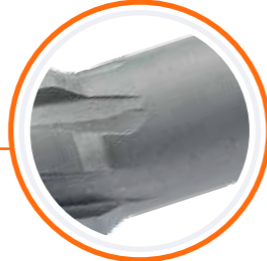
Each machine comes in a metal site carrying case with foam inserts to protect the machine and accessories. Free accessory pack contains: removable internal coolant system, bottle of broaching lubricant, safety pack with gloves, specs, ear plugs, removable metal guard, safety chain, 4 hex keys.

**VARIABLE SPEED AND FORWARD REVERSE MOTOR MAKES THIS UNIT IDEAL FOR VIRTUALLY ALL PORTABLE HOLEMAKING NEEDS**

For UK Sales & Technical Support Call Now: 03330 110 382



Standard 19.05mm  
Weldon Shank suitable  
for all magnet drills



Reduced thickness Tool  
body made from flexible  
alloy steel resulting in  
15% Faster Cut and less  
cutter breakage



Premium grade Sandvik  
Tungsten carbide  
teeth for the highest  
performance metal  
cutting - suitable for the  
hardest steels

CarbideMax TCT Broaching cutters are proven to halve the cost of hole broaching when compared to traditional HSS broach cutters.

CarbideMax TCT Cutters offer an increased life expectancy of at least 4X the life of standard HSS cutters, or much greater under optimum conditions.

CarbideMax TCT Cutters also offer a substantially faster cutting speed, due to a thinner wall meaning less material is removed during the broaching process. Tipped with individually brazed carbide cutting teeth (TCT) of the highest quality,

CarbideMax cutters have an elaborately designed geometry which gives a smooth cut for fast accurate hole broaching.

Premium grade Tungsten Carbide teeth work well in difficult materials like stainless steel and cast iron as well as all grades of structural steel.

**4 x Longer Life**  
**15% Faster Cut**



CarbideMax Ultra cutters are specifically designed for the toughest broaching jobs on the planet, including Hardox steel

Successful results machining these materials requires the right combination of equipment including high torque/slow speed, geared Magnet Drill, like the HMT MAX100 Magnet Drill and plenty of BioCut Blue lubricant. Patience and experience is essential to get the best results with these materials including allowing the cutter to cool during the cut to avoid overheating and damaging the cutting tips.

HMT CarbideMax™ Ultra TCT Broach cutters are tipped with individually brazed cutting teeth of the highest quality carbide. They are designed with an elaborate cutting geometry which results in faster, quieter, easier drilling and chatter free performance.

### The CarbideMax TCT Cutter Range...



**CARBIDE MAX 40**  
35mm depth of cut  
12-80mm



**CARBIDE MAX 55**  
50mm depth of cut  
12-60mm



**CARBIDE MAX 80**  
75mm depth of cut  
12-50mm



**CARBIDE MAX 110**  
110mm depth of cut  
14-60mm



**CARBIDE MAX 150**  
150mm depth of cut  
18-50mm



**CARBIDE MAX 200**  
200mm depth of cut  
18-50mm



**CARBIDE MAX XL55**  
55mm depth of cut  
65-150mm



**CARBIDE MAX XL110**  
110mm depth of cut  
65-200mm



**Ultra Coated CarbideMax 55 TCT Cutters**

Part No	Diameter mm	Shank Size	Tap Size (Metric Coarse)	RSP £
108070-0140	14mm	19.05mm / 3/4"	M16	£36.80
108070-0180	18mm	19.05mm / 3/4"	-	£43.70
108070-0200	20mm	19.05mm / 3/4"	-	£51.70
108070-0220	22mm	19.05mm / 3/4"	-	£53.85
108070-0240	24mm	19.05mm / 3/4"	M27	£59.60
108070-0260	26mm	19.05mm / 3/4"	-	£62.10

**Ultra Coated Holesaws**

Part No	Ø D mm	Tap Size (Metric Coarse)	Uses Grub Screw	RSP £
101031-0140	14mm	M16	M5	£50.20
101031-0180	18mm	-	M6	£54.40
101031-0200	20mm	-	M6	£55.50
101031-0220	22mm	-	M8	£56.20
101031-0240	24mm	M27	M8	£61.50
101031-0260	26mm	-	M8	£68.95

*Additional Sizes available to order*

*Additional Sizes available to order*

**CarbideMax Ultra 55 Pilot Pins**



Part No	Dia Ø	Length	Cutter Size	Qty	£ RSP
108020P-0170	6.34	103	12-17mm	Pack 2	£10.70
108020P-0600	7.98	103	18-60mm	Pack 2	£12.80

*Combine with the Ultra coated MultiSink tool to drill & countersink in one operation. See page 75*



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**3-Piece TCT Broach Cutter Set - 40mm Long**

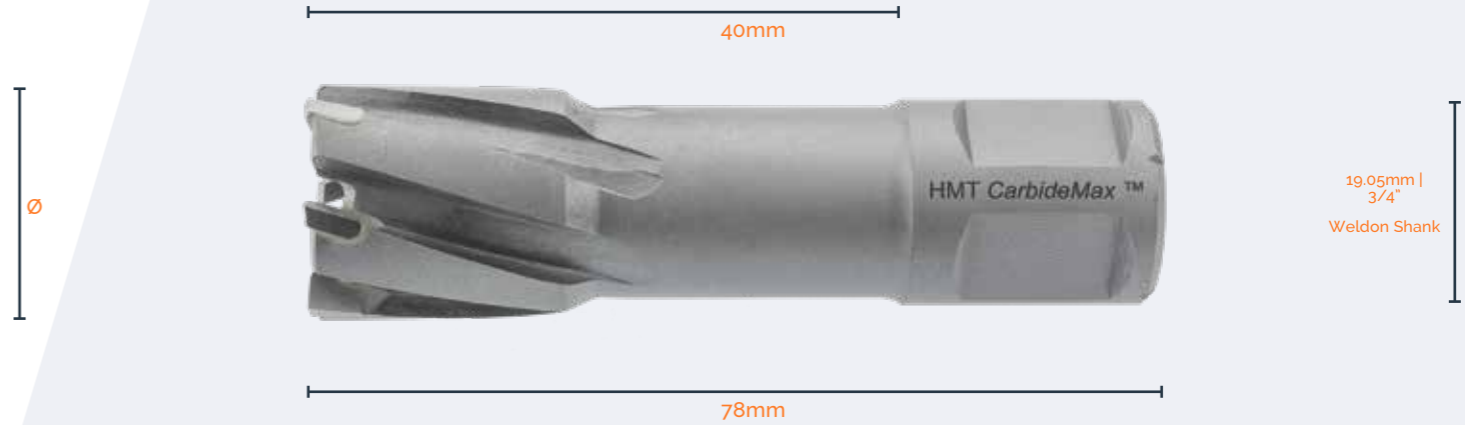


Part No	Set Contains	£ RSP
<b>108030-SET</b>	14, 18, 22mm + 2 Pilot Pins	<b>£85.45</b>

**5-Piece TCT Broach Cutter Set - 40mm Long**



Part No	Set Contains	£ RSP
<b>108030-5SET</b>	12, 14, 18, 22, 26mm + 2 Pilot Pins	<b>£118.40</b>



**Weldon Shank - Morse Taper Arbor 19.05mm**



Spring loaded for cutter slug ejection

Part No	Arbor Size	Shank Size	£ RSP
<b>103013-0192</b>	<b>MT2</b>	19.05mm / 3/4"	<b>£73.30</b>
<b>103013-0193</b>	<b>MT3</b>	19.05mm / 3/4"	<b>£80.70</b>
<b>103013-0194</b>	<b>MT4</b>	19.05mm / 3/4"	<b>£126.20</b>

**Standard Weldon Shank Extension Arbor**



- Select appropriate pilot pin from box below
- Will pass through hole diameters greater than 35mm

Part No	Extension Length	Shank Size	£ RSP
<b>103090-0500</b>	<b>50mm</b>	19.05mm / 3/4"	<b>£62.30</b>
<b>103090-0750</b>	<b>75mm</b>	19.05mm / 3/4"	<b>£76.05</b>
<b>103090-1000</b>	<b>100mm</b>	19.05mm / 3/4"	<b>£90.10</b>

**Spring Loaded Extension Arbor**



Spring Loaded extension arbor for very deep drilling using multiple extension arbors in series. The spring loaded design means only the bottom extension needs to be piloted, with standard cutter pilot pin. Will pass through hole diameters greater than 35mm.

Part No	Extension Length	Shank Size	£ RSP
<b>103095-1000</b>	<b>100mm</b>	19.05mm / 3/4"	<b>£102.25</b>

**Extension Arbor Pilots - 40mm Cutters**



- Sold in packs of 2
- For 18-60mm Diameter Cutters

Part No	Dimensions	Diameter	£ RSP
<b>103050-1350</b>	<b>7.98 x 135mm</b>	Suits 50mm Extension	<b>£24.60</b>
<b>103050-1670</b>	<b>7.98 x 167mm</b>	Suits 75mm Extension	<b>£27.50</b>
<b>103050-1901</b>	<b>7.98 x 190mm</b>	Suits 100mm Extension	<b>£29.10</b>

Part No	Diameter mm	Shank Size	Tap Size (Metric Coarse)	RSP £
108030-0120	12mm	19.05mm / 3/4"	-	£15.60
108030-0130	13mm	19.05mm / 3/4"	-	£16.90
108030-0140	14mm	19.05mm / 3/4"	M16	£18.15
108030-0150	15mm	19.05mm / 3/4"	-	£19.50
108030-0160	16mm	19.05mm / 3/4"	-	£20.80
108030-0170	17mm	19.05mm / 3/4"	-	£22.05
108030-0180	18mm	19.05mm / 3/4"	-	£23.40
108030-0190	19mm	19.05mm / 3/4"	-	£24.70
108030-0200	20mm	19.05mm / 3/4"	-	£25.95
108030-0210	21mm	19.05mm / 3/4"	M24	£27.30
108030-0220	22mm	19.05mm / 3/4"	-	£28.55
108030-0230	23mm	19.05mm / 3/4"	-	£29.85
108030-0240	24mm	19.05mm / 3/4"	M27	£31.20
108030-0250	25mm	19.05mm / 3/4"	-	£32.45
108030-0260	26mm	19.05mm / 3/4"	-	£33.75
108030-0270	27mm	19.05mm / 3/4"	-	£35.10
108030-0280	28mm	19.05mm / 3/4"	-	£36.35
108030-0290	29mm	19.05mm / 3/4"	-	£37.65
108030-0300	30mm	19.05mm / 3/4"	-	£38.95
108030-0310	31mm	19.05mm / 3/4"	-	£40.25
108030-0320	32mm	19.05mm / 3/4"	-	£41.55
108030-0330	33mm	19.05mm / 3/4"	-	£45.10

Part No	Diameter mm	Shank Size	Tap Size (Metric Coarse)	RSP £
108030-0340	34mm	19.05mm / 3/4"	-	£46.40
108030-0350	35mm	19.05mm / 3/4"	-	£47.85
108030-0360	36mm	19.05mm / 3/4"	-	£49.20
108030-0370	37mm	19.05mm / 3/4"	-	£50.85
108030-0380	38mm	19.05mm / 3/4"	-	£51.95
108030-0390	39mm	19.05mm / 3/4"	-	£53.30
108030-0400	40mm	19.05mm / 3/4"	-	£54.65
108030-0410	41mm	19.05mm / 3/4"	-	£56.05
108030-0420	42mm	19.05mm / 3/4"	-	£57.40
108030-0430	43mm	19.05mm / 3/4"	-	£58.75
108030-0440	44mm	19.05mm / 3/4"	-	£60.15
108030-0450	45mm	19.05mm / 3/4"	-	£61.40
108030-0460	46mm	19.05mm / 3/4"	-	£62.85
108030-0470	47mm	19.05mm / 3/4"	-	£64.25
108030-0480	48mm	19.05mm / 3/4"	-	£65.55
108030-0490	49mm	19.05mm / 3/4"	-	£66.95
108030-0500	50mm	19.05mm / 3/4"	-	£68.40
108030-0550	55mm	19.05mm / 3/4"	-	£75.15
108030-0600	60mm	19.05mm / 3/4"	-	£81.95
108030-0650 *	65mm	19.05mm / 3/4"	-	£89.80
108030-0700 *	70mm	19.05mm / 3/4"	-	£109.70
108030-0750 *	75mm	19.05mm / 3/4"	-	£124.40
108030-0800 *	80mm	19.05mm / 3/4"	-	£137.80

**New larger sizes for 2019**

**CarbideMax 40 Pilot Pin - 12-17mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
<b>108030P-0170</b>	<b>6.34</b>	90	Pack 2	<b>£8.60</b>
<b>108030P-0170-P10</b>	<b>6.34</b>	90	Pack 10	<b>£40.45</b>

**CarbideMax 40 Pilot Pin 18-80mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
<b>108030P-0600</b>	<b>7.98</b>	90	Pack 2	<b>£10.70</b>
<b>108030P-0600-P10</b>	<b>7.98</b>	90	Pack 10	<b>£50.70</b>

**3-Piece TCT Broach Cutter Set - 55mm Long**

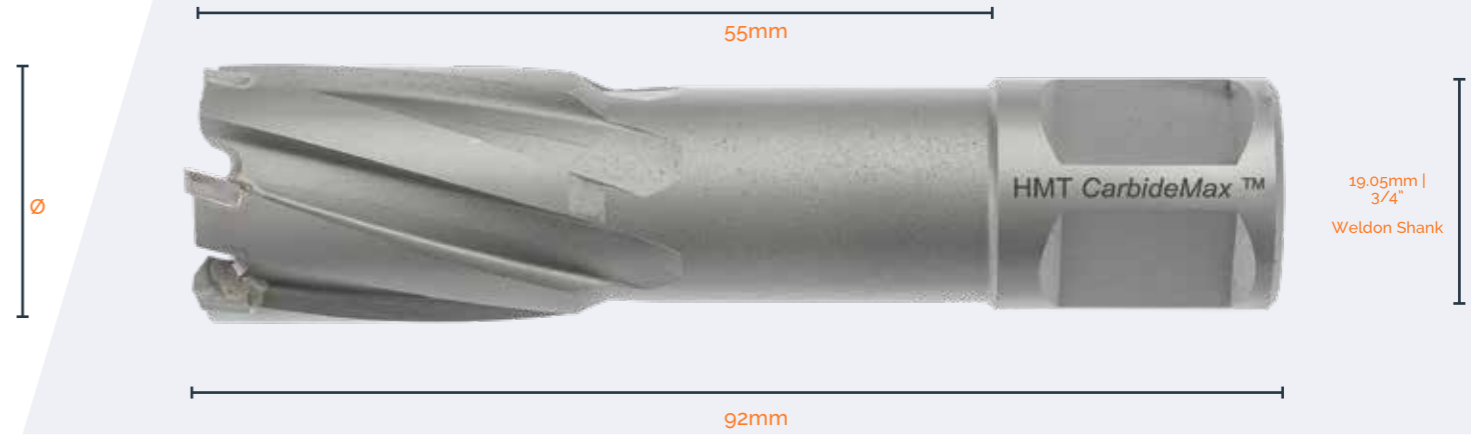


Part No	Set Contains	£ RSP
108020-SET	14, 18, 22mm + 2 Pilot Pins	£89.70

**5-Piece TCT Broach Cutter Set - 55mm Long**



Part No	Set Contains	£ RSP
108020-5SET	12, 14, 18, 22, 26mm + 2 Pilot Pins	£146.00



**Weldon Shank - Morse Taper Arbor 19.05mm**



Spring loaded for cutter slug ejection

Part No	Arbor Size	Shank Size	£ RSP
103013-0192	MT2	19.05mm / 3/4"	£73.30
103013-0193	MT3	19.05mm / 3/4"	£80.70
103013-0194	MT4	19.05mm / 3/4"	£126.20

**Standard Weldon Shank Extension Arbor**



- Select appropriate pilot pin from box below
- Will pass through hole diameters greater than 35mm

Part No	Extension Length	Shank Size	£ RSP
103090-0500	50mm	19.05mm / 3/4"	£62.30
103090-0750	75mm	19.05mm / 3/4"	£76.05
103090-1000	100mm	19.05mm / 3/4"	£90.10

**Spring Loaded Extension Arbor**



Spring Loaded extension arbor for very deep drilling using multiple extension arbors in series. The spring loaded design means only the bottom extension needs to be piloted, with standard cutter pilot pin. Will pass through hole diameters greater than 35mm.

Part No	Extension Length	Shank Size	£ RSP
103095-1000	100mm	19.05mm / 3/4"	£102.25

**Extension Arbor Pilots - 55mm Cutters**



- Sold in packs of 2
- For 18-60mm Diameter Cutters

Part No	Dimensions	Diameter	£ RSP
103050-1600	7.98 x 160mm	Suits 50mm Extension	£27.00
103050-1800	7.98 x 160mm	Suits 75mm Extension	£28.00
108045P0-0600	7.98 x 205mm	Suits 100mm Extension	£25.10

Part No	Diameter mm	Shank Size	Tap Size (Metric Coarse)	RSP £
108020-0120	12mm	19.05mm / 3/4"	-	£20.60
108020-0130	13mm	19.05mm / 3/4"	-	£23.50
108020-0140	14mm	19.05mm / 3/4"	M16	£23.60
108020-0150	15mm	19.05mm / 3/4"	-	£25.85
108020-0160	16mm	19.05mm / 3/4"	-	£26.30
108020-0170	17mm	19.05mm / 3/4"	-	£26.85
108020-0175	17.5mm	19.05mm / 3/4"	M20	£27.80
108020-0180	18mm	19.05mm / 3/4"	-	£28.00
108020-0190	19mm	19.05mm / 3/4"	-	£31.40
108020-0200	20mm	19.05mm / 3/4"	-	£33.15
108020-0210	21mm	19.05mm / 3/4"	M24	£33.65
108020-0220	22mm	19.05mm / 3/4"	-	£34.50
108020-0230	23mm	19.05mm / 3/4"	-	£36.25
108020-0240	24mm	19.05mm / 3/4"	M27	£38.20
108020-0250	25mm	19.05mm / 3/4"	-	£39.20
108020-0260	26mm	19.05mm / 3/4"	-	£39.80
108020-0265	26.5mm	19.05mm / 3/4"	M30	£42.50
108020-0270	27mm	19.05mm / 3/4"	-	£43.85
108020-0280	28mm	19.05mm / 3/4"	-	£44.45
108020-0290	29mm	19.05mm / 3/4"	-	£45.25
108020-0300	30mm	19.05mm / 3/4"	-	£46.75
108020-0310	31mm	19.05mm / 3/4"	-	£48.65
108020-0320	32mm	19.05mm / 3/4"	M36	£49.35
108020-0330	33mm	19.05mm / 3/4"	-	£50.95
108020-0340	34mm	19.05mm / 3/4"	-	£53.55
108020-0350	35mm	19.05mm / 3/4"	-	£55.35

Part No	Diameter mm	Shank Size	Tap Size (Metric Coarse)	RSP £
108020-0360	36mm	19.05mm / 3/4"	-	£60.45
108020-0370	37mm	19.05mm / 3/4"	-	£61.60
108020-0380	38mm	19.05mm / 3/4"	-	£63.25
108020-0390	39mm	19.05mm / 3/4"	-	£64.70
108020-0400	40mm	19.05mm / 3/4"	-	£66.10
108020-0410	41mm	19.05mm / 3/4"	-	£67.95
108020-0420	42mm	19.05mm / 3/4"	-	£68.80
108020-0430	43mm	19.05mm / 3/4"	-	£70.00
108020-0440	44mm	19.05mm / 3/4"	-	£71.60
108020-0450	45mm	19.05mm / 3/4"	-	£72.70
108020-0460	46mm	19.05mm / 3/4"	-	£74.45
108020-0470	47mm	19.05mm / 3/4"	-	£75.60
108020-0480	48mm	19.05mm / 3/4"	-	£77.10
108020-0490	49mm	19.05mm / 3/4"	-	£78.55
108020-0500	50mm	19.05mm / 3/4"	-	£79.90
108020-0510	51mm	19.05mm / 3/4"	-	£81.45
108020-0520	52mm	19.05mm / 3/4"	-	£82.75
108020-0530	53mm	19.05mm / 3/4"	-	£84.00
108020-0540	54mm	19.05mm / 3/4"	-	£85.55
108020-0550	55mm	19.05mm / 3/4"	-	£86.85
108020-0560	56mm	19.05mm / 3/4"	-	£87.10
108020-0570	57mm	19.05mm / 3/4"	-	£87.90
108020-0580	58mm	19.05mm / 3/4"	-	£88.50
108020-0590	59mm	19.05mm / 3/4"	-	£89.05
108020-0600	60mm	19.05mm / 3/4"	-	£89.55

**CarbideMax 55 Pilot Pin - 12-17mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108020P-0170	6.34	103	Pack 2	£10.70
108020P-0170-P10	6.34	103	Pack 10	£51.10

**CarbideMax 55 Pilot Pin 17.5-60mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108020P-0600	7.98	103	Pack 2	£12.80
108020P-0600-P10	7.98	103	Pack 10	£60.25

**CarbideMax 80 1 Piece Pilot Pin 12-17mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108010P-0170	6.34	130	Pack 2	£24.50

**CarbideMax 80 1 Piece Pilot Pin 18-60mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108010P-0600	7.98	130	Pack 2	£24.50

**Weldon Shank - Morse Taper Arbor 19.05mm**



Spring loaded for cutter slug ejection

Part No	Arbor Size	Shank Size	£ RSP
103013-0192	MT2	19.05mm / 3/4"	£73.30
103013-0193	MT3	19.05mm / 3/4"	£80.70
103013-0194	MT4	19.05mm / 3/4"	£126.20

**Standard Weldon Shank Extension Arbor**



· Will pass through hole diameters greater than 35mm

Part No	Extension Length	Shank Size	£ RSP
103090-0500	50mm	19.05mm / 3/4"	£62.30
103090-0750	75mm	19.05mm / 3/4"	£76.05
103090-1000	100mm	19.05mm / 3/4"	£90.10

**Spring Loaded Extension Arbor**



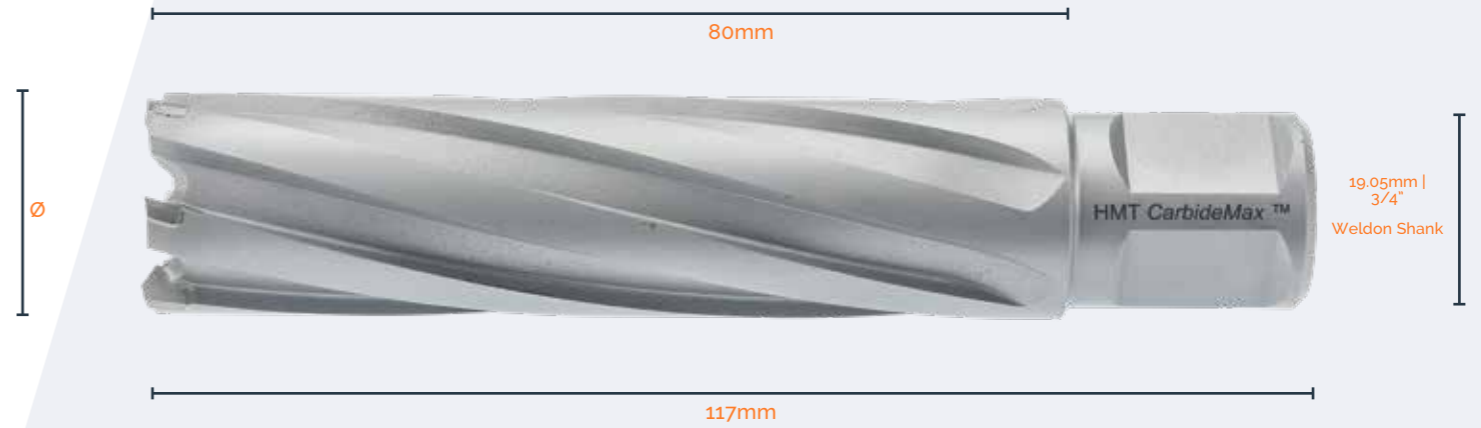
Spring Loaded extension arbor for very deep drilling using multiple extension arbors in series. The spring loaded design means only the bottom extension needs to be piloted, with standard cutter pilot pin. Will pass through hole diameters greater than 35mm.

Part No	Extension Length	Shank Size	£ RSP
103095-1000	100mm	19.05mm / 3/4"	£102.25

**Magnetic Swarf Lifter**



Part No	Length	£ RSP
103011-0001	400mm	£34.95



Part No	Diameter mm	Shank Size	Tap Size (Metric Coarse)	RSP £
108010-0120	12mm	19.05mm / 3/4"	-	£42.95
108010-0140	14mm	19.05mm / 3/4"	M16	£47.15
108010-0160	16mm	19.05mm / 3/4"	-	£47.85
108010-0180	18mm	19.05mm / 3/4"	-	£48.55
108010-0200	20mm	19.05mm / 3/4"	-	£51.25
108010-0220	22mm	19.05mm / 3/4"	-	£52.70
108010-024	24mm	19.05mm / 3/4"	M27	£56.70
108010-0260	26mm	19.05mm / 3/4"	-	£59.35
108010-0280	28mm	19.05mm / 3/4"	-	£64.80
108010-0300	30mm	19.05mm / 3/4"	-	£67.50
108010-0320	32mm	19.05mm / 3/4"	M36	£69.20
108010-0330	33mm	19.05mm / 3/4"	-	£70.20
108010-0350	35mm	19.05mm / 3/4"	-	£75.60
108010-0360	36mm	19.05mm / 3/4"	-	£82.65
108010-0380	38mm	19.05mm / 3/4"	-	£83.70
108010-0390	39mm	19.05mm / 3/4"	-	£90.05
108010-0400	40mm	19.05mm / 3/4"	-	£93.15
108010-0420	42mm	19.05mm / 3/4"	-	£99.95
108010-0450	45mm	19.05mm / 3/4"	-	£106.60
108010-0500	50mm	19.05mm / 3/4"	-	£120.15

**CarbideMax 80, 1 Piece Pilot Pin 12-17mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108010P-0170	6.34	130	Pack 2	£24.50

**CarbideMax 80, 1 Piece Pilot Pin 18-60mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108010P-0800	7.98	130	Pack 2	£24.50

**CarbideMax 80, 2 Piece Pilot Pin 18-60mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108010P-0600-2P	7.98	130	Pack 2	£37.75



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**CarbideMax 110 1 Piece Pilot Pin 14-17mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108040P-0171	6.34	155	Pack 2	£25.75

**CarbideMax 110 1 Piece Pilot Pin 18-60mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108040P-0600	7.98	155	Pack 2	£25.75

**Weldon Shank - Morse Taper Arbor 19.05mm**



Spring loaded for cutter slug ejection

Part No	Arbor Size	Shank Size	£ RSP
103013-0192	MT2	19.05mm / 3/4"	£71.50
103013-0193	MT3	19.05mm / 3/4"	£80.70
103013-0194	MT4	19.05mm / 3/4"	£126.20

**Standard Weldon Shank Extension Arbor**



• Will pass through hole diameters greater than 35mm

Part No	Extension Length	Shank Size	£ RSP
103090-0500	50mm	19.05mm / 3/4"	£62.30
103090-0750	75mm	19.05mm / 3/4"	£76.05
103090-1000	100mm	19.05mm / 3/4"	£90.10

**Spring Loaded Extension Arbor**



Spring Loaded extension arbor for very deep drilling using multiple extension arbors in series. The spring loaded design means only the bottom extension needs to be piloted, with standard cutter pilot pin. Will pass through hole diameters greater than 35mm.

Part No	Extension Length	Shank Size	£ RSP
103095-1000	100mm	19.05mm / 3/4"	£102.25

**Magnetic Swarf Lifter**



Part No	Length	£ RSP
103011-0001	400mm	£34.95



Part No	Diameter mm	Shank Size	Tap Size (Metric Coarse)	RSP £
108040-0140	14mm	19.05mm / 3/4"	M16	£58.40
108040-0160	16mm	19.05mm / 3/4"	-	£61.20
108040-0180	18mm	19.05mm / 3/4"	-	£62.55
108040-0190	19mm	19.05mm / 3/4"	-	£63.50
108040-0200	20mm	19.05mm / 3/4"	-	£63.75
108040-0210	21mm	19.05mm / 3/4"	M24	£64.50
108040-0220	22mm	19.05mm / 3/4"	-	£64.80
108040-0230	23mm	19.05mm / 3/4"	-	£67.50
108040-0240	24mm	19.05mm / 3/4"	M27	£68.60
108040-0250	25mm	19.05mm / 3/4"	-	£68.80
108040-0260	26mm	19.05mm / 3/4"	-	£71.50
108040-0270	27mm	19.05mm / 3/4"	-	£73.50
108040-0280	28mm	19.05mm / 3/4"	-	£75.60
108040-0290	29mm	19.05mm / 3/4"	-	£78.45
108040-0300	30mm	19.05mm / 3/4"	-	£81.00
108040-0320	32mm	19.05mm / 3/4"	M36	£86.45
108040-0330	33mm	19.05mm / 3/4"	-	£89.15
108040-0340	34mm	19.05mm / 3/4"	-	£90.35
108040-0350	35mm	19.05mm / 3/4"	-	£94.55
108040-0360	36mm	19.05mm / 3/4"	-	£97.25
108040-0380	38mm	19.05mm / 3/4"	-	£107.95
108040-0390	39mm	19.05mm / 3/4"	-	£122.65
108040-0400	40mm	19.05mm / 3/4"	-	£136.05
108040-0410	41mm	19.05mm / 3/4"	-	£142.25
108040-0420	42mm	19.05mm / 3/4"	-	£146.75
108040-0430	43mm	19.05mm / 3/4"	-	£157.45
108040-0440	44mm	19.05mm / 3/4"	-	£161.65
108040-0450	45mm	19.05mm / 3/4"	-	£166.45
108040-0460	46mm	19.05mm / 3/4"	-	£169.90
108040-0470	47mm	19.05mm / 3/4"	-	£171.40
108040-0480	48mm	19.05mm / 3/4"	-	£174.00
108040-0490	49mm	19.05mm / 3/4"	-	£174.70
108040-0500	50mm	19.05mm / 3/4"	-	£175.40
108040-0510	51mm	19.05mm / 3/4"	-	£177.30
108040-0520	52mm	19.05mm / 3/4"	-	£177.60
108040-0530	53mm	19.05mm / 3/4"	-	£178.90
108040-0540	54mm	19.05mm / 3/4"	-	£179.75
108040-0550	55mm	19.05mm / 3/4"	-	£181.05

Part No	Ø d1 mm	Shank Size	Tap Size (Metric Coarse)	RSP £
108040-0560	56mm	19.05mm / 3/4"	-	£185.25
108040-0570	57mm	19.05mm / 3/4"	-	£190.55
108040-0580	58mm	19.05mm / 3/4"	-	£194.85
108040-0590	59mm	19.05mm / 3/4"	-	£199.45
108040-0600	60mm	19.05mm / 3/4"	-	£201.40

**CarbideMax 110, 1 Piece Pilot Pin 14-17mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108040P-0171	6.34	155	Pack 2	£25.75

**CarbideMax 110, 1 Piece Pilot Pin 18-60mm Cutters**

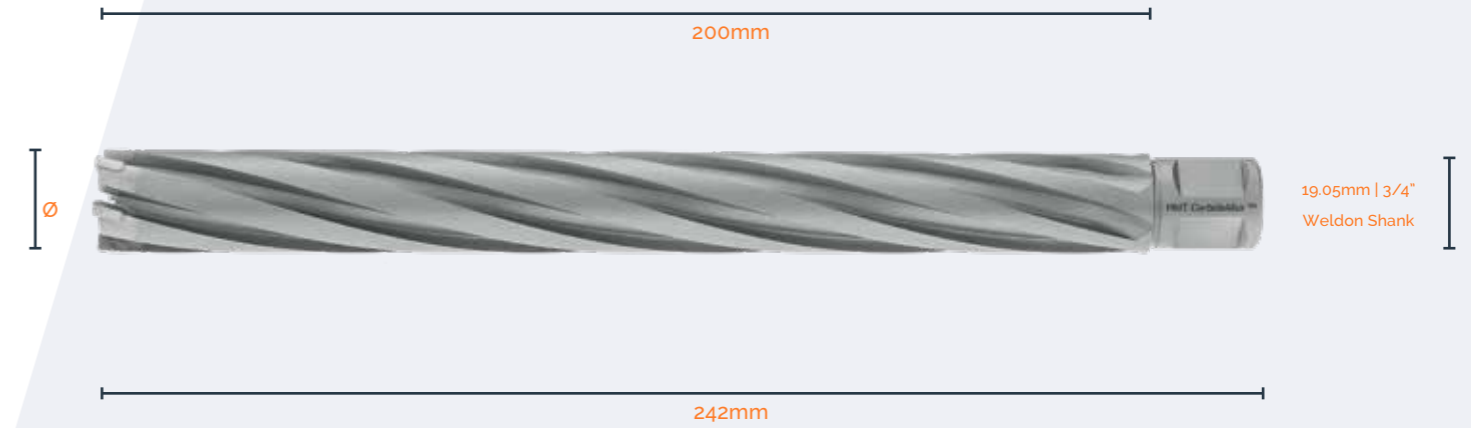


Part No	Dia Ø	Length	Unit of sale	£ RSP
108040P-0600	7.98	155	Pack 2	£25.75

**CarbideMax 110, 2 Piece Pilot Pin 18-60mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108040P-0600-2P	7.98	155	Pack 2	£37.75



**Ideal for drilling matching holes through box or H section in one single pass**

Part No	Diameter mm	Shank Size	RSP £
108045-0180	18mm	19.05mm / 3/4"	£100.95
108045-0200	20mm	19.05mm / 3/4"	£106.30
108045-0220	22mm	19.05mm / 3/4"	£112.15
108045-0240	24mm	19.05mm / 3/4"	£119.60
108045-0260	26mm	19.05mm / 3/4"	£133.45
108045-0280	28mm	19.05mm / 3/4"	£133.95
108045-0300	30mm	19.05mm / 3/4"	£154.80
108045-0320	32mm	19.05mm / 3/4"	£169.30
108045-0330	33mm	19.05mm / 3/4"	£176.20
108045-0360	36mm	19.05mm / 3/4"	£192.20
108045-0390	39mm	19.05mm / 3/4"	£208.20
108045-0500	50mm	19.05mm / 3/4"	£233.85

**CarbideMax 150 2 Piece Pilot Pin 18-50mm Cutters**

Part No	Dia Ø	Length	Unit of sale	£ RSP
108045P-0600-2P	7.98	205	Pack 2	£36.85

**CarbideMax 150 1 Piece Pilot Pin - 18-50mm Cutters**

Part No	Dia Ø	Length	Unit of sale	£ RSP
108045P-0600	7.98	205	Pack 2	£23.10

Part No	Diameter mm	Shank Size	RSP £
108050-0180	18mm	19.05mm / 3/4"	£163.35
108050-0200	20mm	19.05mm / 3/4"	£166.10
108050-0220	22mm	19.05mm / 3/4"	£168.60
108030-0240	24mm	19.05mm / 3/4"	£196.40
108050-0260	26mm	19.05mm / 3/4"	£198.90
108050-0300	30mm	19.05mm / 3/4"	£206.45
108050-0320	32mm	19.05mm / 3/4"	£209.30
108050-0330	33mm	19.05mm / 3/4"	£211.05
108050-0360	36mm	19.05mm / 3/4"	£226.15
108050-0390	39mm	19.05mm / 3/4"	£280.60
108030-0420	42mm	19.05mm / 3/4"	£299.35
108030-0450	45mm	19.05mm / 3/4"	£329.05
108050-0500	50mm	19.05mm / 3/4"	£377.60

**CarbideMax 200 2 Piece Pilot Pin 18-50mm Cutters**

Used when drilling material greater than 50mm thick. When the pilot pin reaches the extent to which it can retract inside the magnet drill arbor, the bottom section of the pilot can be removed to allow the hole to be completed without removing the pilot pin from the cutter.

Part No	Dia Ø	Length	Unit of sale	£ RSP
108050P-0600-2P	7.98	255	Pack 2	£47.10



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Part No	D Ø mm	Shank Size	RSP £
108020-0610 *	61mm	32mm / 1 1/4"	£109.80
108020-0620 *	62mm	32mm / 1 1/4"	£118.80
108020-0630 *	63mm	32mm / 1 1/4"	£133.55
108020-0640 *	64mm	32mm / 1 1/4"	£146.50
108020-0650	65mm	32mm / 1 1/4"	£171.10
108020-0660 *	66mm	32mm / 1 1/4"	£158.80
108020-0670 *	67mm	32mm / 1 1/4"	£159.40
108020-0680 *	68mm	32mm / 1 1/4"	£162.80
108020-0690 *	69mm	32mm / 1 1/4"	£164.40
108020-0700	70mm	32mm / 1 1/4"	£169.60
108020-0750	75mm	32mm / 1 1/4"	£183.85
108020-0800	80mm	32mm / 1 1/4"	£193.85
108020-0850	85mm	32mm / 1 1/4"	£205.95

Part No	D Ø mm	Shank Size	RSP £
108020-0900	90mm	32mm / 1 1/4"	£218.00
108020-0950	95mm	32mm / 1 1/4"	£232.45
108020-1000	100mm	32mm / 1 1/4"	£242.30
108020-1050	105mm	32mm / 1 1/4"	£306.60
108020-1100	110mm	32mm / 1 1/4"	£336.95
108020-1150	115mm	32mm / 1 1/4"	£383.80
108020-1200	120mm	32mm / 1 1/4"	£426.60
108020-1250	125mm	32mm / 1 1/4"	£468.80
108020-1300	130mm	32mm / 1 1/4"	£515.50
108020-1350	135mm	32mm / 1 1/4"	£562.65
108020-1400	140mm	32mm / 1 1/4"	£612.95
108020-1450	145mm	32mm / 1 1/4"	£636.15
108020-1500	150mm	32mm / 1 1/4"	£713.65

Part No	D Ø mm	Shank Size	RSP £
108040-0610 *	61mm	32mm / 1 1/4"	£203.60
108040-0620 *	62mm	32mm / 1 1/4"	£208.10
108040-0630 *	63mm	32mm / 1 1/4"	£211.40
108040-0640 *	64mm	32mm / 1 1/4"	£213.60
108040-0650	65mm	32mm / 1 1/4"	£215.05
108040-0660 *	66mm	32mm / 1 1/4"	£222.30
108040-0670 *	67mm	32mm / 1 1/4"	£232.10
108040-0680 *	68mm	32mm / 1 1/4"	£239.40
108040-0690 *	69mm	32mm / 1 1/4"	£249.40
108040-0700	70mm	32mm / 1 1/4"	£256.75
108040-0750	75mm	32mm / 1 1/4"	£270.40
108040-0800	80mm	32mm / 1 1/4"	£276.60
108040-0850	85mm	32mm / 1 1/4"	£309.85
108040-0900	90mm	32mm / 1 1/4"	£357.40
108040-0950	95mm	32mm / 1 1/4"	£410.85
108040-1000	100mm	32mm / 1 1/4"	£452.20
108040-1050	105mm	32mm / 1 1/4"	£467.85

Part No	D Ø mm	Shank Size	RSP £
108040-1100	110mm	32mm / 1 1/4"	£520.90
108040-1150	115mm	32mm / 1 1/4"	£563.25
108040-1200	120mm	32mm / 1 1/4"	£627.90
108040-1400	140mm	32mm / 1 1/4"	£725.15
108040-1500	150mm	32mm / 1 1/4"	£774.95

**NEW: 160-200mm TCT Cutters**

Part No	D Ø mm	Shank Size	RSP £
108040-1600 *	160mm	32mm / 1 1/4"	£818.60
108040-1700 *	170mm	32mm / 1 1/4"	£856.00
108040-1800 *	180mm	32mm / 1 1/4"	£894.40
108040-1900 *	190mm	32mm / 1 1/4"	£942.40
108040-2000 *	200mm	32mm / 1 1/4"	£987.60

**New increased size range for 2019**

**32mm to 19.05mm Weldon Shank Adapter & Pilot**



Adapts 32mm Shank XL55 cutters to 19.05mm standard Magnet Drill fitting; includes pilot for 55mm Depth Cutters

Part No	Details	£ RSP
103091-1932-55	19.05 Male to 32mm Female Weldon Adapter + Pilot for 55mm cutters	£24.90

**32mm Weldon Shank Morse Taper Arbor and Pilot**



Spring loaded for cutter slug ejection

Part No	Arbor Size	Shank Size	£ RSP
103013-0323	MT3	32mm / 1 1/4"	£128.50
103013-0324	MT4	32mm / 1 1/4"	£149.90
108020P-1500	7.98x115mm Pilot Pin, Pack 2		£26.25

**32mm to 19.05mm Weldon Shank Adapter & Pilot**



Adapts 32mm Shank XL110 cutters to 19.05mm standard Magnet Drill fitting; includes pilot for 55mm Depth Cutters

Part No	Details	£ RSP
103091-1932-110	19.05 Male to 32mm Female Weldon Adapter + Pilot for 110mm cutters	£39.80

**32mm Weldon Shank Morse Taper Arbor and Pilot**




Spring loaded for cutter slug ejection

Part No	Arbor Size	Shank Size	£ RSP
103013-0323	MT3	32mm / 1 1/4"	£128.50
103013-0324	MT4	32mm / 1 1/4"	£149.90
108040P-1500-2P	7.98x165mm 2 Pc Pilot Pin, Pack 2		£49.60



Part No	Diameter mm	Shank Size	RSP £
106030-0180	18mm	19.05mm / 3/4"	£27.40
106030-0200	20mm	19.05mm / 3/4"	£30.40
106030-0220	22mm	19.05mm / 3/4"	£33.45
106030-0240	24mm	19.05mm / 3/4"	£36.50
106030-0260	26mm	19.05mm / 3/4"	£39.50
106030-0280	28mm	19.05mm / 3/4"	£42.55
106030-0300	30mm	19.05mm / 3/4"	£45.60
106030-0320	32mm	19.05mm / 3/4"	£48.60
106030-0360	36mm	19.05mm / 3/4"	£57.60


**CarbideMax 30 Rail Pilot Pin 18-36mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
106030P-0360	7.98	77	Pack 2	£12.50

Part No	Diameter mm	Shank Size	RSP £
106020-0180	18mm	19.05mm / 3/4"	£39.95
106020-0200	20mm	19.05mm / 3/4"	£41.10
106020-0220	22mm	19.05mm / 3/4"	£42.50
106020-0240	24mm	19.05mm / 3/4"	£44.70
106020-0260	26mm	19.05mm / 3/4"	£46.60
106020-0280	28mm	19.05mm / 3/4"	£52.05
106020-0300	30mm	19.05mm / 3/4"	£54.75
106020-0320	32mm	19.05mm / 3/4"	£57.75
106020-0360	36mm	19.05mm / 3/4"	£70.75

**CarbideMax 55 Rail Pilot Pin 18-36mm Cutters**



Part No	Dia Ø	Length	Unit of sale	£ RSP
108020P-0600	7.98	103	Pack 2	£12.80



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**32mm Weldon Shank Morse Taper Arbor**



Spring loaded for cutter slug ejection

Part No	Arbor Size	Shank Size	£ RSP
103013-0323	MT3	32mm / 1 1/4"	£128.50
103013-0324	MT4	32mm / 1 1/4"	£149.90

**Weldon Shank - Morse Taper Arbor 19.05mm**



Spring loaded for cutter slug ejection

Part No	Arbor Size	Shank Size	£ RSP
103013-0192	MT2	19.05mm / 3/4"	£73.30
103013-0193	MT3	19.05mm / 3/4"	£80.70
103013-0194	MT4	19.05mm / 3/4"	£126.20

**Replacement Grub Screws**



Part No	Thread Size	Head Size	Unit of sale	£ RSP
103060-0606	M6 x 6	3mm	Pack 10	£3.20
103060-0808	M8 x 8	4mm	Pack 10	£4.55
103060-1010	M10 x 10	5mm	Pack 10	£5.15
103060-1212	M12 x 12	6mm	Pack 10	£5.30

**Magnet Drill Chuck & Adapter**



Part No	Description	Fitting Type	£ RSP
103017	Chuck Adapter	19.05mm / 3/4"	£21.10
103070	Keyed Chuck	B16	£42.85

**Standard Weldon Shank Extension Arbor**



- Will pass through holes larger than 35mm diameter
- Can be mounted in series to create longer extensions.

Part No	Extension Length	Shank Size	£ RSP
103090-0500	50mm	19.05mm / 3/4"	£62.30
103090-0750	75mm	19.05mm / 3/4"	£76.05
103090-1000	100mm	19.05mm / 3/4"	£90.10

**Magnetic Swarf Lifter**



Part No	Length	£ RSP
103011-0001	400mm	£34.95



19.05mm | 3/4"  
Weldon Shank

Part No	Diameter mm	Shank Size	Tap Size (Metric Coarse)	RSP £
201070-0050	5.0mm	19.05mm / 3/4"	M6	£10.90
201070-0060	6.0mm	19.05mm / 3/4"	-	£11.20
201070-0068	6.8mm	19.05mm / 3/4"	M8	£11.30
201070-0070	7.0mm	19.05mm / 3/4"	-	£11.55
201070-0080	8.0mm	19.05mm / 3/4"	-	£11.65
201070-0085	8.5mm	19.05mm / 3/4"	M10	£12.20
201070-0090	9.0mm	19.05mm / 3/4"	-	£12.55
201070-0100	10.0mm	19.05mm / 3/4"	-	£12.75
201070-0102	10.2mm	19.05mm / 3/4"	M12	£13.20
201070-0110	11.0mm	19.05mm / 3/4"	-	£14.15
201070-0120	12.0mm	19.05mm / 3/4"	-	£14.75

**Weldon Drill Bit Sets**

Part No	Contents	£ RSP
201070-SET	4 piece Set contains: 6, 8, 10, 12mm Weldon Drill Bits	£49.35
201070-TSET	4 piece Set contains: 5.0, 6.8, 8.5, 10.2mm Weldon Drill Bits Tap Sizes	£49.35



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## ImpactaMag® Reamers

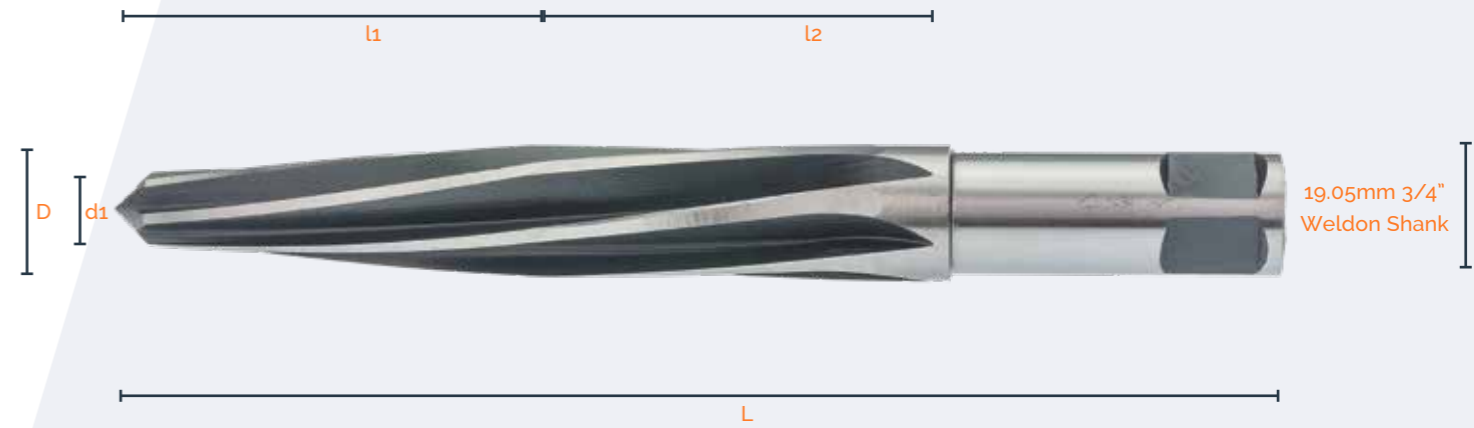
The ImpactaMag™ HSS reamer has a specially designed cutting geometry that is designed for use in an impact wrench or a Magnet drill.

When used in an impact wrench it is secured into a special adapter meaning the tool is easier to control, apply correct feed rate, and withdraw from the finished hole, enhancing tool life.

The ImpactaMag™ reamer will also fit into a standard Weldon magnet drill arbor, providing a versatile 2 in 1 solution for circumstances where it may be more appropriate to use a magnet drill.

Impact wrench driven reamers are not recommended for use with laser or plasma cut holes. Heat affected holes can be enlarged using the ImpactaMag™ reamer with a slow speed magnet drill.

## Details & Dimensions



Part No	Max Diameter mm (D)	Shank Size	d1 mm	L mm	l1 mm	l2 mm	Minimum torque to Ream 15mm steel	RSP £
501020-0140	14mm	19.05mm / 3/4"	7	140	52	50	340 Nm	£58.00
501020-0180	18mm	19.05mm / 3/4"	9	165	61	53	360 Nm	£73.10
501020-0200	20mm	19.05mm / 3/4"	11	178	62	65	380 Nm	£79.50
501020-0220	22mm	19.05mm / 3/4"	13	178	62	65	400 Nm	£87.10
501020-0240	24mm	19.05mm / 3/4"	15	178	63	63	520 Nm	£95.80
501020-0260	26mm	19.05mm / 3/4"	16	178	67	60	520 Nm	£103.40
501020-0270	27mm	19.05mm / 3/4"	17.5	178	67	60	520 Nm	£111.50
501020-0280	28mm	19.05mm / 3/4"	19	178	67	60	600 Nm	£116.05
501020-0300	30mm	19.05mm / 3/4"	21	178	64	63	650 Nm	£124.35
501020-0320	32mm	19.05mm / 3/4"	22.5	178	64	63	650 Nm	£135.45
501020-0330	33mm	19.05mm / 3/4"	23	200	70	57	650 Nm	£138.25
501020-0360	36mm	19.05mm / 3/4"	26	200	71	57	800 Nm	£168.75
501020-0390	39mm	19.05mm / 3/4"	29	200	70	56	1000 Nm	£184.55



## ImpactaMag® Reamer Sets



Part No	Set Contains	RSP £
501020-3SET	14, 18, 22mm ImpactaMag Reamers	£159.30
501020-SET-WO	14, 18, 22, 26, 32mm ImpactaMag Reamers	£319.00

• Sets do not include adapter.

## ImpactaMag® Impact Adapter

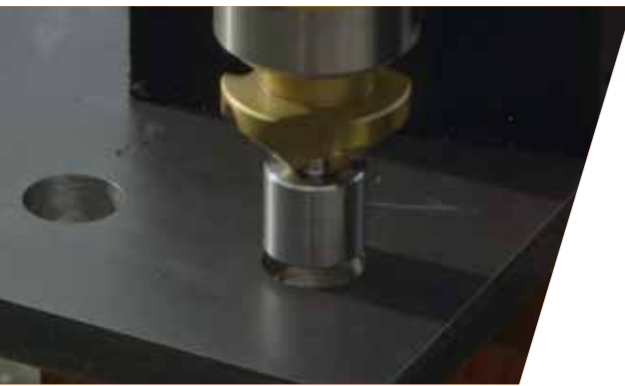


Part No	Square Drive Size	Shank Size	RSP £
00200-12A-19	1/2"	19.05mm / 3/4"	£68.60
00200-34A-19	3/4"	19.05mm / 3/4"	£71.25

• Supplied with retention pin & ring.



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**Innovative Combination Countersinking Tool.**

Save Time Completing Countersunk Holes.

**GoldMax low-friction titanium coating to stop burn-out.**

Broach & Countersink in one operation.

**Drill & Countersink in one operation.**

Tap & Countersink in one operation.

**Drill-Tap & Countersink in one operation.**

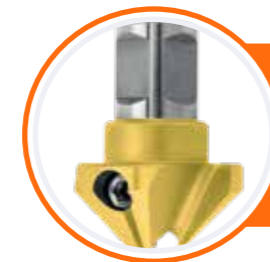
Order the TCT MultiSink, as a Kit complete with Holesaw & Pilot Pin - ready to use

Part No	d1 Ø	£ RSP
601050-SET4014	40mm HSS MultiSink with 14mm Holesaw	£76.45
601050-SET4018	40mm HSS MultiSink with 18mm Holesaw	£76.45
601050-SET4022	40mm HSS MultiSink with 22mm Holesaw	£76.45
601050-SET5518	55mm HSS MultiSink with 18mm Holesaw	£128.85
601050-SET5522	55mm HSS MultiSink with 22mm Holesaw	£128.85
601050-SET5526	55mm HSS MultiSink with 26mm Holesaw	£128.85

Other holesaw size combinations available to order - see Page 13



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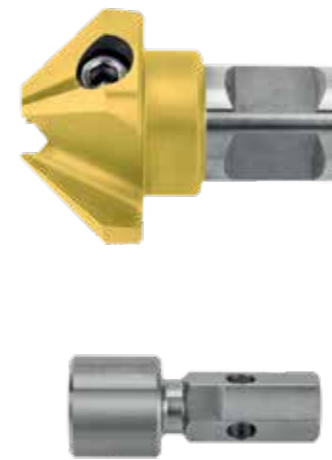
**ONE MULTISINK TOOL**

### MANY COUNTERSINKING SOLUTIONS

<b>PILOTED COUNTERSINK</b>	<b>BROACH &amp; COUNTERSINK IN ONE OPERATION</b> 14-26mm	<b>DRILL &amp; COUNTERSINK IN ONE OPERATION</b> 14-22mm	<b>TAP &amp; COUNTERSINK IN ONE OPERATION</b> M16-M24	<b>DRILL, TAP &amp; COUNTERSINK IN ONE OPERATION</b> M16-M24



Minimum suitable Holesaw size is 14mm



### The HSS MultiSink Tool

Part No	D Ø mm	Ø d2 mm	L	Point Angle	Shank mm	£ RSP
601050-0400	40mm	14mm	100mm	90°	19.05mm / 3/4"	£86.10
601050-0550	55mm	14mm	109mm	90°	19.05mm / 3/4"	£105.60

### MultiSink Pilot

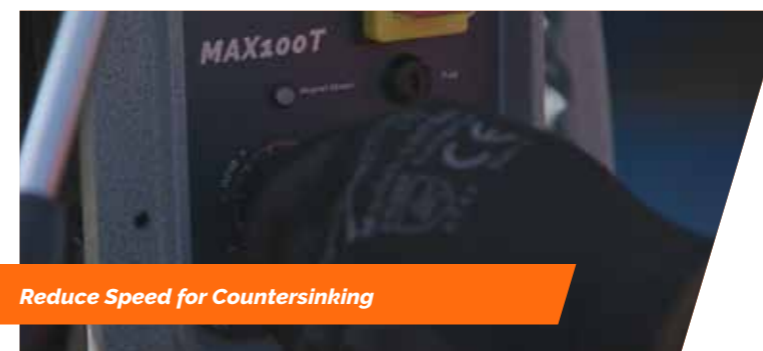
For countersinking bolt holes from 14-26mm diameter. Use Multisink with variable speed magnet drill. The speed must be reduced when countersinking.

Part No	d1 Ø	length mm	Shank mm	£ RSP
601050-0140	14mm	52	11.0	£10.60
601050-0160 *	16mm	52	11.0	£10.95
601050-0180	18mm	52	11.0	£11.40
601050-0200 *	20mm	52	11.0	£11.60
601050-0220	22mm	52	11.0	£13.95
601050-0240 *	24mm	52	11.0	£14.30
601050-0260	26mm	52	11.0	£17.30

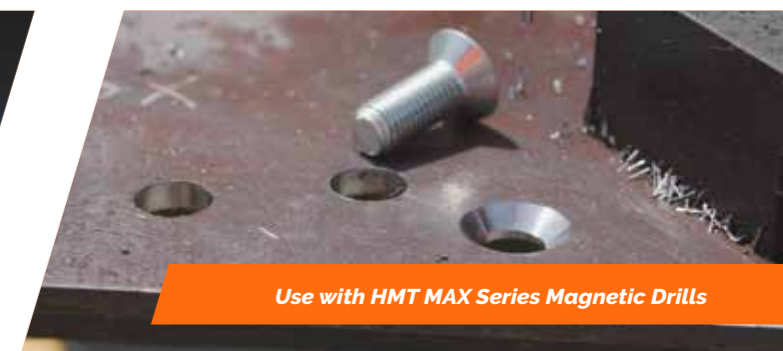
### MultiSink Ejector Pilot Pin

For use with VersaDrive Holesaws

Part No	d1 Ø	l1 mm	Unit of sale	£ RSP
101030P-0002	6.35	145	Pack 2	£23.65



Reduce Speed for Countersinking



Use with HMT MAX Series Magnetic Drills



The CarbideMax MultiSink Tool is the Tungsten Carbide Tipped version of the unique HMT combination countersinking tool. Specifically designed for countersinking Hardox, Inox and the hardest structural steels.

- Innovative Combination Countersinking Tool.
- Save Time Completing Countersunk Holes.
- Broach & Countersink in one operation.
- Drill & Countersink in one operation.
- Tap & Countersink in one operation.

Drill, Tap & Countersink in one operation.  
Order the TCT MultiSink, as a Kit complete with Holesaw & Pilot Pin - ready to use

Part No	d1 Ø	£ RSP
601055-SET4014	40mm TCT MultiSink with 14mm Holesaw	£98.70
601055-SET4018	40mm TCT MultiSink with 18mm Holesaw	£98.70
601055-SET4022	40mm TCT MultiSink with 22mm Holesaw	£98.70
601055-SET5518	55mm TCT MultiSink with 18mm Holesaw	£150.50
601055-SET5522	55mm TCT MultiSink with 22mm Holesaw	£150.50
601055-SET5526	55mm TCT MultiSink with 26mm Holesaw	£150.50

Other holesaw size combinations available to order - see Page 13



P.37

### MANY COUNTERSINKING SOLUTIONS

<b>PILOTED COUNTERSINK</b>	<b>BROACH &amp; COUNTERSINK IN ONE OPERATION</b> 14-26mm	<b>DRILL &amp; COUNTERSINK IN ONE OPERATION</b> 14-22mm	<b>TAP &amp; COUNTERSINK IN ONE OPERATION</b> M16-M24	<b>DRILL, TAP &amp; COUNTERSINK IN ONE OPERATION</b> M16-M24



Minimum suitable Holesaw size is 14mm

### CarbideMax TCT MultiSink

Part No	D Ø mm	Ø d2 mm	L	Point Angle	Shank mm	£ RSP
601055-0400	40mm	14mm	100mm	90°	19.05mm / 3/4"	£152.75
601055-0550	55mm	14mm	109mm	90°	19.05mm / 3/4"	£199.90



### MultiSink Pilot

For countersinking bolt holes from 14-26mm diameter. Use multisink with variable speed magnet drill. The speed must be reduced when countersinking

Part No	d1 Ø	length mm	Shank mm	£ RSP
601050-0140	14mm	52	11.0	£10.60
601050-0160 *	16mm	52	11.0	£10.95
601050-0180	18mm	52	11.0	£11.40
601050-0200 *	20mm	52	11.0	£11.60
601050-0220	22mm	52	11.0	£13.95
601050-0240 *	24mm	52	11.0	£14.30
601050-0260	26mm	52	11.0	£17.30

### MultiSink Ejector Pilot Pin

For use with VersaDrive Holesaws

Part No	d1 Ø	l1 mm	Unit of sale	£ RSP
101030P-0002	6.35	145	Pack 2	£23.65

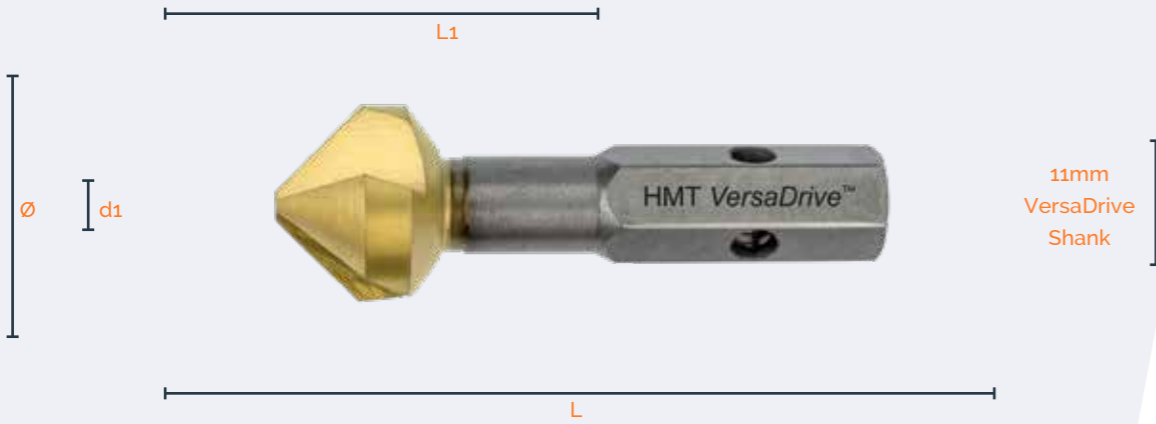
### Ultra Coated TCT MultiSink

Ultra coated for increased wear resistance countersinking the toughest materials like Hardox

Part No	D Ø mm	Point Angle	Shank mm	£ RSP
601056-0400	40mm	90°	19.05mm / 3/4"	£193.75
601056-0550	55mm	90°	19.05mm / 3/4"	£289.20



**VersaDrive Countersink 90°**



Part No	D Ø mm	Ø d1 mm	I1 mm	L mm	Shank mm	DIN 74 SET SCREW BF	Point Angle	RSP £
603060-0063	6.3mm	1.5	17	45	11.0	M3	90°	£12.40
603060-0083	8.3mm	2.0	22	50	11.0	M4	90°	£16.25
603060-0104	10.4mm	2.5	22	50	11.0	M5	90°	£19.40
603060-0124	12.4mm	2.8	28	56	11.0	M6	90°	£24.60
603060-0165	16.5mm	3.2	32	60	11.0	M8	90°	£28.30
603060-0205	20.5mm	3.5	35	63	11.0	M10	90°	£33.70
603060-0250	25mm	3.8	39	67	11.0	M12	90°	£42.35
603060-0310	31mm	4.2	43	71	11.0	M16	90°	£50.25

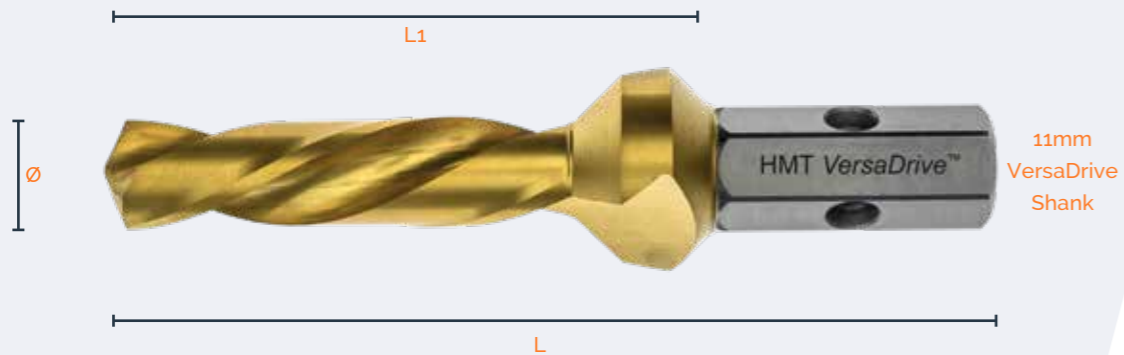
**COUNTERSINK SET**  
**603060-5SET**  
Set contains: 12.4, 16.5, 20.5, 25, 31mm VersaDrive Countersink Bits  
**£174.50**

**GoldMax HSS Weldon Shank Countersink 90°**



Part No	D Ø mm	d1 mm	L mm	Shank Size	Point Angle	RSP £
601025-0300	30mm	4	47	19.05mm / 3/4"	90°	£51.05
601025-0400	40mm	7	52	19.05mm / 3/4"	90°	£64.50
601025-0550	55mm	9	60	19.05mm / 3/4"	90°	£90.55

**Combination Drillsink Tool 90°**



Part No	Ø Drill Size	Countersink Size	I1 mm	L mm	Shank mm	DIN 74 SET SCREW BF	Point Angle	RSP £
603070-08124	8mm	12.4mm	47mm	96mm	11.0	M6	90°	£30.70
603070-68165	6.8mm	16.5mm	47mm	85mm	11.0	M8 (Tapped)	90°	£33.30
603070-10165	10mm	16.5mm	47mm	85mm	11.0	M8	90°	£37.90
603070-85205	8.5mm	20.5mm	47mm	89mm	11.0	M10 (Tapped)	90°	£43.75
603070-11205	11mm	20.5mm	47mm	88mm	11.0	M10	90°	£45.15
603070-12205	12mm	20.5mm	47mm	88mm	11.0	M10	90°	£47.05
603070-102250	10.2mm	25mm	47mm	93mm	11.0	M12 (Tapped)	90°	£51.00
603070-13250	13mm	25mm	47mm	92mm	11.0	M12	90°	£54.60
603070-14250	14mm	25mm	47mm	92mm	11.0	M12	90°	£56.15

**DRILLSINK SET**  
**603070-SET4**  
Set contains: 8/12.4mm, 10/16.5mm, 12/20.5, 14/25mm VersaDrive DrillSink Bits  
**£144.60**

**GoldMax Morse Taper Shank Countersink 90°**



Part No	D Ø mm	d2 mm	Shank Size	Point Angle	RSP £
602015-0310	31mm	4.2	MT2	90°	£74.00
602015-0400	40mm	10	MT3	90°	£106.75
602015-0500	50mm	14	MT3	90°	£140.00
602015-0630	63mm	16	MT4	90°	£258.65
602015-0800	80mm	22	MT4	90°	£417.45

## GoldMax TCT Burr - Flame



Standard 6mm Shank

Part No	Head Dimension	Total Length	£ RSP
402050-0060	6 x 16mm	60mm	£18.55
402050-0120	12 x 25mm	70mm	£30.95

## GoldMax TCT Burr - Ball Nose



Standard 6mm Shank

Part No	Head Dimension	Total Length	£ RSP
402020-0060	6 x 16mm	60mm	£19.35
402020-0120	12 x 25mm	69mm	£32.15

## GoldMax TCT Burr - Tree



Standard 6mm Shank

Part No	Head Dimension	Total Length	£ RSP
402060-0060	6 x 16mm	60mm	£18.75
402060-0120	12 x 25mm	69mm	£31.20

## GoldMax TCT Burr - Cylinder



Standard 6mm Shank

Part No	Head Dimension	Total Length	£ RSP
402040-0060	6 x 16mm	60mm	£19.35
402040-0120	12 x 25mm	69mm	£32.15

## GoldMax TCT Burr - Ball



Standard 6mm Shank

Part No	Head Dimension	Total Length	£ RSP
402010-0060	8 x 6mm	50mm	£18.15
402010-0120	12 x 10mm	55mm	£28.35

## GoldMax TCT Burr - 4 Piece Set



4 Piece set contains Flame, Cylinder, Ball Nose and Tree Burrs in 12mm head diameter

Part No	Head Dimension	£ RSP
4020-SET1	12mm	£113.55

## SpeedLube™ Lubricant Spray



SpeedLube™ is a high performance foaming lubricant suitable for a wide variety of metal drilling applications across a range of materials including stainless steel. Aerosol propellant ensures the lubricant foams on contact to ensure maximum tool coverage and heat dissipation. Easy one-handed application provides fast, efficient lubricant coverage and minimises the amount of applications needed during the drilling process. Unique 360° valve which enables Speedlube to be sprayed from all angles.

Part No	Aerosol Size	Unit of Sale	£ RSP
701010-0002	500ml	Each	£9.65
701010-0002-P12	500ml	Pack of 12	£107.50

## AeroPaste™ Lubricant Spray



AeroPaste™ is an aerosol applied paste-type, metalworking lubricant for hole broaching, tapping, reaming & drilling applications. Ideal for overhead or positional application, the high viscosity of AeroPaste allows it to cling directly to the cutting tool or steel it is applied to, without fluid run-off. Ideal for use in environmentally sensitive areas such as above water. Using AeroPaste minimises repainting or galvanising issues caused by conventional soluble lubricants and reduces mess and slipping hazards.

Part No	Aerosol Size	Unit of Sale	£ RSP
701010-0001	500ml	Each	£15.95
701010-0001-P12	500ml	Pack of 12	£188.85

## Biocut Blue Neat Broaching Oil



Biocut Blue is a ultra high-performance cutting fluid designed for metal fabrication broaching, cutting, and drilling tasks

- Water-soluble fluid supplied ready-for-use.
- Inherently bio-degradable, can be 100% removed with water.
- Synthetic based, chlorine free, with zero mineral oils.
- No adverse affects for welding and galvanising.

Part No	Bottle Size	Unit of Sale	£ RSP
704010-0001	5 Litres	Each	£27.00
704010-0001-P4	5 Litre Box of 4	Each	£106.85
704010-0002	500ml Bottle	Each	£7.55
704010-0002-P20	500ml Box of 20	Each	£139.95

## BioCut Paste - Drilling & Tapping Paste



BioCut Drilling & BioCut cutting paste is specifically formulated for superb performance when used with HMT Impact wrench cutting tools. Extreme pressure concentration provides accurate hole lubrication. Excellent general purpose paste lubricant when drilling, tapping, taps, countersinks, reamers and broach cutters. Chlorine Free for safer use. Suitable for use with all grades of steel including Stainless Steel & Aluminium

Part No	Aerosol Size	Unit of Sale	£ RSP
704030-0001	250g	Each	£9.05
704030-0001-P16	250g	Pack of 16	£139.00





Cutter Diameter						
	Structural Steel <500Nm (S275, S355) Based on mm/R Feed of 0.10	Structural Steel <1000Nm Based on mm/R Feed of 0.10	Stainless Steel INOX Based on mm/R Feed of 0.13	Brass	Cast Iron-Grey	Aluminium
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range
12-19 mm	1265-850	850-580	530-350	1320-875	925-615	2200-1560
20-25 mm	840-650	550-410	345-255	870-630	610-440	1480-1140
26-32 mm	545-460	410-315	250-200	620-505	430-335	1125-890
33-39 mm	460-395	315-265	195-170	500-415	330-280	885-730
40-46 mm	405-340	265-250	165-140	405-340	280-235	720-620
47-53 mm	335-300	250-195	135-120	335-300	235-205	615-545
54-60 mm	295-265	195-180	120-105	295-260	200-180	540-475
61-70 mm	260-230	180-140	105-90	255-225	180-160	475-415
71-80 mm	230-200	140-130	90-70	225-205	160-145	410-365
81-90 mm	195-180	130-115	70-65	200-180	140-125	350-325
91-100 mm	180-160	115-100	60-55	175-160	125-110	320-280
101-112 mm	160-140	100-90	55-50	160-145	110-100	280-250
113-124 mm	140-120	90-85	50-48	145-130	100-90	250-235
125-136 mm	120-110	85-75	48-45	130-115	90-80	230-205
137-150 mm	110-100	70-65	45-40	115-105	80-75	205-190

**Best Practice Advice**

**\*GUIDELINE PARAMETERS ONLY.**

Actual parameters may vary depending on operating conditions

	Centre punch or pilot drill the surface for accurate hole start.		Regularly check that Magnet Drill slides, handles, arbors and movable parts have not vibrated loose over time.
	Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage.		Ensure a debris free surface of sufficient steel thickness for strong magnet hold when Magnet Drilling.
	Apply firm, steady feed pressure throughout the cut, applying the feed very slowly and cautiously during the first 1mm of cut.		For drilling holes in steel thicker than 25mm it is recommended to ventilate the hole frequently to clear the swarf.
	Avoid lateral movement or tilting which can cause damage to the cutter.		When drilling multiple layers of steel CarbideMax Stack Laminate cutters are designed with a special tooth geometry to avoid stuck slugs.
	Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.		Selecting the correct machine will often result in better life from the consumables and a quicker completion of the task.
	Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant.		



Holesaw Diameter											
	Structural Steel <500Nm Based on mm/R Feed of 0.10	Structural Steel <1000Nm Based on mm/R Feed of 0.10	Stainless Steel INOX Based on mm/R Feed of 0.13	Aluminium	Cast Iron (Grey)	Brass	Copper	Fibreglass	Composite	Plastics	Wood
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range
13-17MM	1350-850	840-585	500-360	2210-1575	900-625	1245-890	900-640	780-705	1350-850	900-640	1495-1010
18-25MM	850-625	580-420	350-250	1575-1125	600-455	865-640	620-450	700-520	850-625	620-450	990-895
26-31MM	620-500	415-325	240-195	1080-885	435-345	630-510	440-345	500-405	620-500	440-345	895-850
32-39MM	480-410	320-275	195-160	875-740	330-285	500-415	345-280	400-330	480-410	345-280	850-740
40-46MM	390-340	270-220	160-145	730-620	285-240	410-350	175-235	315-275	390-340	175-235	740-610
47-53MM	335-300	220-180	140-120	615-545	235-215	345-305	235-215	275-245	335-300	235-215	600-505
54-60MM	295-260	180-165	115-100	525-485	210-180	300-270	210-185	240-215	295-260	210-185	500-460
61-70MM	260-225	165-155	100-90	475-415	180-160	265-235	180-160	205-185	260-225	180-160	455-400
71-80MM	220-195	155-140	90-75	410-365	155-140	230-205	155-140	180-160	220-195	155-140	395-360

**\*GUIDELINE PARAMETERS ONLY.**

Actual parameters may vary depending on operating conditions

	Centre punch or pilot drill the surface for accurate hole start		Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
	Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage		When using a Magnet Drill regularly check that the slides, handles, arbors and movable parts have not vibrated loose over time.
	Apply firm, steady feed pressure throughout the cut, applying the feed very slowly and cautiously during the first 1mm of cut		Ensure a debris free surface of sufficient steel thickness for strong magnet hold when Magnet Drilling.
	Avoid lateral movement or tilting which can cause damage to the tool		For drilling holes in steel thicker than 25mm it is recommended to ventilate the hole frequently to clear the swarf.
	Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.		For thicker materials, predrill 6.35mm pilot drill first and use then sprung pilot drill or pilot pin as a guide.



Newton meter (Nm)  
Impact Torque

**Metric Step Drills**

Step Drill Diameter	Structural Steel <500Nm	Structural Steel <1000Nm	Stainless Steel INOX	Aluminium	Cast Iron (Grey)	Plastics	Impact Torque
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Nm Torque
3-12 mm	3100-1200	2000-740	1000-380	3100-1200	1300-450	1800-650	200-280
14-22 mm	597-430	390-270	200-145	600-440	245-180	380-275	330-400
24-30 mm	420-330	260-215	140-110	420-330	175-135	275-180	400-485
32-40 mm	260-230	160-145	85-75	260-230	95-85	150-140	610-750

**Inch size Step Drills**

Foot Pound (Ft lb)  
Impact Torque

Step Drill Diameter	Structural Steel <500Nm	Structural Steel <1000Nm	Stainless Steel INOX	Aluminium	Cast Iron (Grey)	Plastics	Impact Torque
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Ft Lbs Torque
3/16-1/2"	3100-1200	2000-740	1000-380	3100-1200	1300-450	1800-650	270-380
3/16-7/8"	597-430	390-270	200-145	600-440	245-180	380-275	440-540
1/4-1-3/8"	420-330	260-215	140-110	420-330	175-135	275-180	540-660

**Best Practice Advice**

**\*GUIDELINE PARAMETERS ONLY.**

Actual parameters may vary depending on operating conditions

	Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage		Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.
	Apply firm, steady feed pressure throughout the cut		Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
	Avoid lateral movement or tilting which can cause damage to the tool		When drilling into box section ensure the tip of the Step-Drill is not contacting the far side of the box section at the same time it is drilling the outside wall. This may cause breakage to the tool.



Drill Bit Diameter	Structural Steel <500Nm 32m/min	Structural Steel <1000Nm 18m/min	Stainless Steel INOX 12m/min	Brass 32m/min	Cast Iron 16m/min	Plastics 30m/min	Aluminium 45m/min	Impact Torque
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Nm Torque
3- 4MM	3400-2550	1700-1250	850-700	3400-2550	2000-1300	4300-2000	5200-3500	115-125 Nm
5 - 9MM	2100-1140	1020-575	760-420	2050-1130	1200-600	1750-1040	3400-1550	130-360 Nm
10-15MM	1030-660	520-350	385-225	1020-660	550-340	1025-620	1500-950	N/A
16-20MM	640-490	335-230	220-195	640-510	330-250	600-470	975-745	N/A
21-25MM	460-330	220-140	190-150	500-410	240-200	460-350	730-500	N/A
26-32MM	310-250	140-110	150-120	320-275	200-175	335-320	400-315	N/A

**Impact wrench / Impact Driver Required Nm Torque**

6mm	6.8mm	7mm	8mm	8.5mm	9mm	10mm	11mm	12mm	13mm	14mm
140 Nm	170 Nm	195 Nm	240 Nm	270 Nm	360 Nm	375 Nm	405 Nm	170 Nm	435 Nm	440 Nm

**\*GUIDELINE PARAMETERS ONLY.**

Actual parameters may vary depending on operating conditions

**Best Practice Advice**

	Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage		Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.
	Apply firm, steady feed pressure throughout the cut		Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
	Avoid lateral movement or tilting which can cause damage to the tool		VersaDrive Drill Bits up to 10mm diameter can be driven by an Impact wrench (in rotary mode only)



Newton meter (Nm)  
Impact Torque

Thread Diameter	Structural Steel <500Nm	Structural Steel <1000Nm	Stainless Steel INOX	Aluminium	Cast Iron (Grey)	Brass	Copper	Plastics	Impact Tapping Torque	
									12MM Thick Steel	25MM Thick Steel
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Nm Torque	Nm Torque
M3	960	809	650	2700	1295	2550	1620	1700	160	N/A
M4	730	610	490	2060	975	1950	1220	1285	180	N/A
M5	585	485	385	1750	780	1555	970	1020	200	N/A
M6	485	405	325	1455	650	1295	810	855	240	400
M8	365	310	245	1095	485	970	610	650	280	448
M10	295	245	195	870	390	780	485	510	300	480
M12	240	200	162	730	330	645	410	430	320	512
M14	210	175	140	625	275	560	350	370	340	544
M16	185	155	125	550	243	485	310	330	360	576
M20	145	125	100	440	194	385	245	260	400	640
M24	120	100	85	370	165	325	210	225	600	960
M27	105	90	75	330	145	290	180	190	740	1184
M30	95	80	60	310	130	275	160	170	800	1200

**Best Practice Advice**

**\*GUIDELINE PARAMETERS ONLY.**  
Actual parameters may vary depending on operating conditions

	ImpactaTaps are recommended for through hole applications only.		Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.
	Pilot drill the exact tapping size hole for best results		Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
	Select correct NM torque power for impact wrench applications		Flame cut/punched holes will require more torque to tap than drilled holes due to heat build up. Caution: Sometimes flame cut holes do not have parallel sides meaning risk of tap breakage.
	Apply firm, steady feed pressure throughout the cut		Tap the hole in one pass where possible, applying adequate lubrication before you start.
	Ensure the Tap is inserted squarely to the hole - misaligned taps will greatly increase the risk of breakage.		If the tap is over-run from the hole once it is tapped, to remove the risk of cross-threading/damage to the tap, remove the tap from the adapter and locate it in the thread by hand, before reversing.
	When tapping material thicker than 15-20mm, to speed up the process it is advisable to pilot drill the hole first, before drill-tapping the hole		



Foot Pound (Ft lb)  
Impact Torque

Thread Diameter	Structural Steel <500Nm	Structural Steel <1000Nm	Stainless Steel INOX	Aluminium	Cast Iron (Grey)	Brass	Copper	Plastics	Impact Tapping Torque	
									1/2" Thick Steel	1" Thick Steel
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Ft Lbs Torque	Ft Lbs Torque
1/4	485	405	325	1455	650	1295	810	855	175	295
5/16	365	310	245	1095	485	970	610	650	205	330
3/8	295	245	195	870	390	780	485	510	220	355
1/2	240	200	162	730	330	645	410	430	235	375
5/8	185	155	125	550	243	485	310	330	365	425
3/4	145	125	100	440	194	385	245	260	295	470
7/8	130	115	92	410	180	355	225		370	710
1"	120	100	85	370	165	325	210	225	445	735

**\*GUIDELINE PARAMETERS ONLY.**  
Actual parameters may vary depending on operating conditions

**Best Practice Advice**

	ImpactaTaps are recommended for through hole applications only.		Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.
	Pilot drill the exact tapping size hole for best results		Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
	Select correct NM torque power for impact wrench applications		Flame cut/punched holes will require more torque to tap than drilled holes due to heat build up. Caution: Sometimes flame cut holes do not have parallel sides meaning risk of tap breakage.
	Apply firm, steady feed pressure throughout the cut		Tap the hole in one pass where possible, applying adequate lubrication before you start.
	Ensure the Tap is inserted squarely to the hole - misaligned taps will greatly increase the risk of breakage.		If the tap is over-run from the hole once it is tapped, to remove the risk of cross-threading/damage to the tap, remove the tap from the adapter and locate it in the thread by hand, before reversing.
	When tapping material thicker than 15-20mm, to speed up the process it is advisable to pilot drill the hole first, before drill-tapping the hole		



Newton meter (Nm)  
Impact Torque

Thread Diameter	Structural Steel <500Nm	Structural Steel <1000Nm	Stainless Steel INOX	Aluminium	Cast Iron (Grey)	Brass	Copper	Plastics	Impact Tapping Torque	Impact Tapping Torque
									12MM Thick Steel	25MM Thick Steel
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Nm Torque	Nm Torque
M3	960	809	650	2700	1295	2550	1620	1700	160	N/A
M4	730	610	490	2060	975	1950	1220	1285	180	N/A
M5	585	485	385	1750	780	1555	970	1020	200	N/A
M6	485	405	325	1455	650	1295	810	855	240	N/A
M8	365	310	245	1095	485	970	610	650	280	N/A
M10	295	245	195	870	390	780	485	510	300	N/A
M12	240	200	162	730	330	645	410	430	320	512
M14	210	175	140	625	275	560	350	370	340	544
M16	185	155	125	550	243	485	310	330	360	576
M20	145	125	100	440	194	385	245	260	400	640
M24	120	100	85	370	165	325	210	225	600	960
M27	105	90	75	330	145	290	180	190	740	1184



Foot Pound (Ft lb)  
Impact Torque

Thread Diameter	Structural Steel <500Nm	Structural Steel <1000Nm	Stainless Steel INOX	Aluminium	Cast Iron (Grey)	Brass	Copper	Plastics	Impact Tapping Torque	Impact Tapping Torque
									1/2" Thick Steel	1" Thick Steel
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Ft Lbs Torque	Ft Lbs Torque
M3	960	809	650	2700	1295	2550	1620	1700	120	N/A
M4	730	610	490	2060	975	1950	1220	1285	130	N/A
M5	585	485	385	1750	780	1555	970	1020	145	N/A
1/4	485	405	325	1455	650	1295	810	855	175	295
5/16	365	310	245	1095	485	970	610	650	205	330
3/8	295	245	195	870	390	780	485	510	220	355
1/2	240	200	162	730	330	645	410	430	235	375
5/8	185	155	125	550	243	485	310	330	365	425
3/4	145	125	100	440	194	385	245	260	295	470
7/8	130	115	92	410	180	355	225	240	370	710
1"	120	100	85	370	165	325	210	225	445	735

**Best Practice Advice**

**\*GUIDELINE PARAMETERS ONLY.**

Actual parameters may vary depending on operating conditions

	Impact Taps are recommended for through hole applications only.		Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.
	Pilot drill the exact tapping size hole for best results		Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
	Select correct NM torque power for impact wrench applications		Flame cut/punched holes will require more torque to tap than drilled holes due to heat build up. Caution: Sometimes flame cut holes do not have parallel sides meaning risk of tap breakage.
	Apply firm, steady feed pressure throughout the cut		Tap the hole in one pass where possible, applying adequate lubrication before you start.
	Ensure the Tap is inserted squarely to the hole - misaligned taps will greatly increase the risk of breakage.		301125- Sheet Metal Drill-Taps are intended for tapping material no greater than the tap diameter when driven with an impact wrench
	When tapping material thicker than 15-20mm, to speed up the process it is advisable to pilot drill the hole first, before drill-tapping the hole		301130- Heavy Duty Drill Taps are designed for use with Magnet Drills/Pillar Drills, or for tapping pre-drilled holes with an impact wrench. They are not designed for drill- tapping with hand-held rotary tools

**\*GUIDELINE PARAMETERS ONLY.**

Actual parameters may vary depending on operating conditions

**Best Practice Advice**

	Impact Taps are recommended for through hole applications only.		Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.
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Newton meter (Nm)  
Impact Torque

Reamer Diameter									
	Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Nm Torque	Nm Torque
8mm	940	540	410	1020	550	1020	1320	200	380
10mm	900	510	380	1005	530	1005	1300	220	400
12MM	875	490	370	995	520	980	1275	280	420
14MM	690	360	305	700	450	695	1025	320	480
16MM	640	335	225	660	340	600	975	340	510
18MM	535	290	210	550	305	545	860	360	540
20MM	490	230	195	510	250	470	745	380	570
21mm	480	225	190	500	240	460	730	390	580
22MM	460	210	180	470	235	445	675	400	600
24MM	360	150	140	430	215	395	540	520	780
26MM	310	140	135	375	200	330	410	520	840
28MM	295	130	125	340	190	285	385	600	900
30MM	275	120	110	290	180	260	340	650	975
32MM	250	110	100	275	170	220	315	680	1020
33MM	240	105	95	270	165	215	310	695	1035
36MM	215	95	80	255	150	200	295	740	1090
39MM	195	80	65	240	135	185	280	900	1150



Foot Pound (Ft lb)  
Impact Torque

Reamer Diameter									
	Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	Ft Lb Torque	Ft Lb Torque
1/2"	875	490	370	995	520	980	1275	205	310
9/16"	690	360	305	700	450	695	1025	235	355
5/8"	640	335	225	660	340	600	975	250	375
11/16"	535	290	210	550	305	545	860	265	400
3/4"	490	230	195	510	250	470	745	280	420
7/8"	460	210	180	470	235	445	675	295	440
15/16"	360	150	140	430	215	395	540	380	575
1"	310	140	135	375	200	330	410	390	620
1-1/16"	295	130	125	340	190	285	385	440	660

**Best Practice Advice**

**\*GUIDELINE PARAMETERS ONLY.**

Actual parameters may vary depending on operating conditions

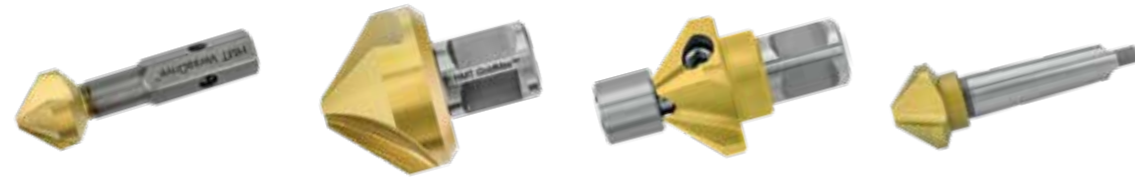
	Apply firm, steady feed pressure throughout the cut, applying the feed very slowly and cautiously during the first 1mm of cut.		Flame cut, laser cut or punched holes may not be possible to ream with impact wrench. In this situation the hole can be reamed out with a slow speed Magnet Drill with a ImpactaMag or VersaDrive reamer.
	To maximise tool life do not attempt to increase the existing hole diameter beyond 2-3mm. If a larger, finished hole size is required, then the next size reamer should be used to 'step up' until the finished hole diameter is reached.		Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage.
	Avoid lateral movement or tilting which can cause damage to the tool		Ensure a debris free surface of sufficient steel thickness for strong magnet hold when Magnet Drilling.
	Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.		Regularly check that Magnet Drill slides, handles, arbors and movable parts have not vibrated loose over time.

**\*GUIDELINE PARAMETERS ONLY.**

Actual parameters may vary depending on operating conditions

**Best Practice Advice**

	Apply firm, steady feed pressure throughout the cut, applying the feed very slowly and cautiously during the first 1mm of cut.		Flame cut, laser cut or punched holes may not be possible to ream with impact wrench. In this situation the hole can be reamed out with a slow speed Magnet Drill with a ImpactaMag or VersaDrive reamer.
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	Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.		Regularly check that Magnet Drill slides, handles, arbors and movable parts have not vibrated loose over time.



Countersink Diameter	Structural Steel <500Nm	Structural Steel <1000Nm	Stainless Steel INOX	Aluminium	Cast Iron (Grey)	Plastics
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range
6.3 mm	765	505	265	1250	500	850
8.3 mm	565	375	190	955	405	705
10.4 mm	460	300	145	765	315	530
12.4 mm	385	255	110	635	265	480
16.5 mm	295	185	80	485	210	345
20.5 mm	230	155	50	385	165	280
25 mm	185	130	50	315	130	225
30 mm	155	105	35	265	105	185
40 mm	120	80	30	205	80	140
55 mm	95	60	25	145	70	120
63 mm	80	55	20	130	55	90
80 mm	65	40	20	100	45	75

**Best Practice Advice**

**\*GUIDELINE PARAMETERS ONLY.**  
Actual parameters may vary depending on operating conditions

	Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage		Ensure a debris free surface of sufficient steel thickness for strong magnet hold when Magnet Drilling.
	Apply firm, steady feed pressure throughout the cut		Use at highest available Gear setting (for maximum torque) and use electronic tachometer to set RPM at recommended speed (or slower for difficult applications)
	Avoid lateral movement or tilting which can cause damage to the tool		Best countersinking results are achieved using a variable speed drill that allows the correct speed to be set. Use at correct RPM (if unsure use tachometer to check drill speed)
	Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials.		Piloted Countersink Bits (like the MultiSink) will significantly increase countersinking performance preventing movement of the countersink whilst drilling.
	Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant		



Countersink Diameter	Structural Steel <500Nm	Structural Steel <1000Nm	Stainless Steel INOX	Aluminium	Cast Iron (Grey)	Plastics
Diameter Ø	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range	RPM Range
12.4 mm	385	255	110	635	265	480
16.5 mm	295	185	80	485	210	345
20.5 mm	230	155	50	385	165	280
25 mm	185	130	50	315	130	225
31 mm	155	105	35	265	105	185

Refer to Page 73 for Pilot Hole Drilling Speeds

**\*GUIDELINE PARAMETERS ONLY.**  
Actual parameters may vary depending on operating conditions

**Best Practice Advice**

	The DrillSink should be used with a Variable speed motor, and the drill and countersink operations should be run at the appropriate speed for each process		Ensure a debris free surface of sufficient steel thickness for strong magnet hold when Magnet Drilling.
	Apply firm, steady feed pressure throughout the cut		Use at highest available Gear setting (for maximum torque) and use electronic tachometer to set RPM at recommended speed (or slower for difficult applications)
	Avoid lateral movement or tilting which can cause damage to the tool		Best countersinking results are achieved using a variable speed drill that allows the correct speed to be set. Use at correct RPM (if unsure use tachometer to check drill speed)
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	Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant		Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage



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