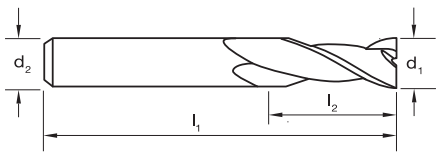


SLOT DRILLS 2 FLUTE, R30 N, REGULAR

- For precision milling of slots & cavities
- Suitable for materials up to 1000 N/mm²
- For soft steels & non-ferrous material



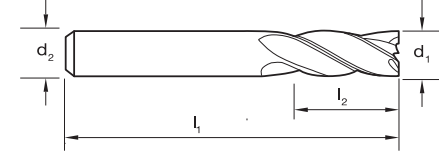
Size	l ₁	l ₂	d ₂	z	Item #
4	60	12	8	2	E100 0400
5	60	15	8	2	E100 0500
6	60	15	8	2	E100 0600
9.5	75	25	10	2	E100 0950
10	75	25	10	2	E100 1000
12	80	30	12	2	E100 1200
14	90	35	16	2	E100 1400
16	95	40	16	2	E100 1600
18	105	40	20	2	E100 1800
20	110	45	20	2	E100 2000
22	110	45	20	2	E100 2200
25	120	50	25	2	E100 2500

Other sizes available on request: 1.0 - 32.0mm, 1/8 - 1"

suttontools

ENDMILLS 4 FLUTE, R30 N, REGULAR

- For precision finish milling applications
- Suitable for materials up to 1000 N/mm²



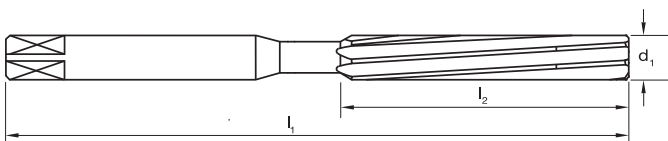
Size	l ₁	l ₂	d ₂	z	Item #
4.0	60	12	8	4	E125 0400
5.0	60	15	8	4	E125 0500
6.0	60	15	8	4	E125 0600
8.0	65	20	10	4	E125 0800
10.0	75	25	10	4	E125 1000
12.0	80	30	12	4	E125 1200
14.0	90	35	16	4	E125 1400
16.0	95	40	16	4	E125 1600
18.0	105	40	20	4	E125 1800
20.0	110	45	20	4	E125 2000
22.0	110	45	20	4	E125 2200
25.0	120	50	25	4	E125 2500

Other sizes available on request: 1.5 - 32.0mm, 1/8 - 1"

suttontools

REAMERS HAND

- For use by hand with suitable wrench
- Suitable for tool rooms & workshop use
- Produces clean, accurate holes, to a H7 tolerance



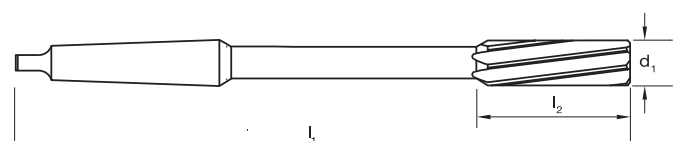
Size		l ₁	l ₂	z	Item #
mm	in				
6.00		93	47	6	R100 0600
6.35	1/4	100	50	6	R100 0635
7.93	5/16	115	58	6	R100 0794
8.00		115	58	6	R100 0800
9.52	3/8	133	66	8	R100 0953
10.00		133	66	6	R100 1000
12.00		152	76	6	R100 1200
12.70	1/2	152	76	8	R100 1270
14.00		163	81	8	R100 1400
14.28	9/16	163	81	8	R100 1429
15.87	5/8	175	87	8	R100 1588
16.00		175	87	8	R100 1600
18.00		188	93	8	R100 1800
19.05	3/4	201	100	10	R100 1905
20.00		201	100	8	R100 2000

Other sizes available on request: 3.0 - 25.0mm, 1/8 - 1"

suttontools

REAMERS MACHINE

- Machine use
- Suitable for toolroom & workshop use
- Produces clean, accurate holes, to a H7 tolerance



Size		l ₁	l ₂	z	MT #	Item #
mm	in					
6.00		138	26	6	1	R101 0600
8.00		156	33	6	1	R101 0800
10.00		168	38	6	1	R101 1000
12.00		182	44	6	1	R101 1200
12.70	1/2	182	44	6	1	R101 1270
14.00		189	47	8	1	R101 1400
16.00		210	52	8	2	R101 1600
18.00		219	56	8	2	R101 1800
19.05	3/4	223	58	8	2	R101 1905
20.00		228	60	8	2	R101 2000
22.00		237	64	8	2	R101 2200
25.00		268	68	10	3	R101 2500
25.4	1"	268	68	8	3	R101 2540
31.75	1 1/4	290	77	10	3	R101 3175

Other sizes available on request: 6.5 - 40.0mm, 1/4 - 2"

suttontools

STEP DRILLS

For use in sheet metal, aluminium, plastic and fibre glass, ideal for sheet metal without pre-drilling. During drilling, the next step deburrs the previously drilled hole.

suttontools



Fixed Drilling Steps
Spiral Flute for reduced vibration and greater control through steps



Made from HSS
Constructed from M2 High Speed Steel offering the best combination of strength, heat and wear resistance

Flat Shank
Three flats suits 3-jaw chuck

METRIC

Diameter Range	Steps	Diameters	Shank	Pieces	Item #
4-12	5	4, 6, 8, 10, 12mm	Flat	1	D504 41205
4-12	9	4, 5, 6, 7, 8, 9, 10, 11, 12mm	Flat	1	D504 41209
4-20	9	4, 6, 8, 10, 12, 14, 16, 18, 20mm	Flat	1	D504 42009
4-22	10	4, 6, 8, 10, 12, 14, 16, 18, 20, 22mm	Flat	1	D504 42210
4-30	14	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm	Flat	1	D504 43014
5-35	13	5, 7.5, 10, 13, 16, 19, 21, 23, 26, 29, 31, 33, 35mm	Flat	1	D504 53513
6-18	7	6, 8, 10, 12, 14, 16, 18mm	Flat	1	D504 61807
6-36	11	6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36mm	Flat	1	D504 63611

IMPERIAL

1/8-1/2"	13	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2"	Flat	1	D504 31313
3/16-1/2"	6	3/16, 1/4, 5/16, 3/8, 7/16, 1/2"	Flat	1	D504 51306
1/4-3/4"	9	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	Flat	1	D504 61909

3 PCE SET

Includes:		Shank	Pieces	Item #
	Flat		3	D504 SET3
4-12	9	4, 5, 6, 7, 8, 9, 10, 11, 12mm		
4-20	9	4, 6, 8, 10, 12, 14, 16, 18, 20mm		
4-30	9	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm		

STEP DRILLS

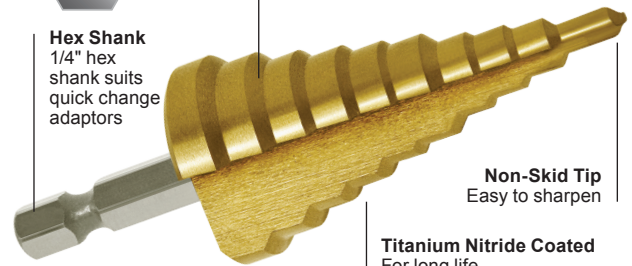
For use in sheet metal, aluminium, plastic and fibre glass, ideal for sheet metal without pre-drilling. During drilling, the next step deburrs the previously drilled hole.

QUICKBITS® FN®



Hex Shank
1/4" hex shank suits quick change adaptors

Fixed Drilling Steps
Two straight fluted cutting edges for greater control through steps



Non-Skid Tip
Easy to sharpen

Titanium Nitride Coated
For long life

METRIC

Diameter Range	Steps	Diameters	Shank Inch	Item #
4-12	8	4, 5, 6, 7, 8, 10, 11, 12mm	1/4	149040120
4-25	11	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 25mm	1/4	149040250

IMPERIAL

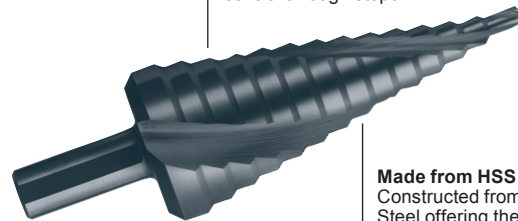
5/32-1/2"	12	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2"	1/4	149010032
5/32-1"	10	5/32, 1/4, 5/16, 3/8, 1/2, 9/16, 21/32, 3/4, 7/8, 1"	1/4	149010064

HSS-BLUE STEP DRILL

For use in sheet metal, aluminium, plastic and fibre glass, ideal for sheet metal without pre-drilling. During drilling, the next step deburrs the previously drilled hole.

FN®

Fixed Drilling Steps
Spiral Flute for reduced vibration and greater control through steps



Flat Shank
Three flats suits 3-jaw chuck

Made from HSS
Constructed from M2 High Speed Steel offering the best combination of strength, heat and wear resistance



Diameter Range	Steps	Diameters	Shank	Item #
4-12	9	4, 5, 6, 7, 8, 9, 10, 11, 12mm	Flat	149060007
4-20	9	4, 6, 8, 10, 12, 14, 16, 18, 20mm	Flat	149060008
4-30	14	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm	Flat	149060009
6-36	11	6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36mm	Flat	149060010

**SHOCKWAVE™ IMPACT RATED
1/4" SHANK STEP DRILL BITS**



SHOCKWAVE™
IMPACT DUTY

Our SHOCKWAVE™ Impact Duty Step Bits are engineered to deliver a durable and fast impact step bit hole drilling solution. Our step drill bits are made in the USA with global materials and give you best-in-class performance in impact drivers with the versatility to be used in drills. The 1/4" hex shank has an optimised SHOCKZONE body providing you with a more durable shank, reducing early shank breaks. A Titanium Aluminum Nitride (TiAlN) coating helps reduce heat build-up and deliver up to 5x longer life compared to a standard step drill bit. Additionally, MILWAUKEE's step drill bits Rapid Strike tip and dual spiral flute produce 2x faster holes compared to a standard step drill.

Product Code	Description
48899261	SHOCKWAVE™ Step Drill 4-12mm 9 Hole
48899262	SHOCKWAVE™ Step Drill 4-12mm 5 Hole
48899263	SHOCKWAVE™ Step Drill 4-20mm 9 Hole
48899265	SHOCKWAVE™ Step Drill 4-30mm 10 Hole
48899266	SHOCKWAVE™ Step Drill Set (1) 4-12mm 9 Hole, (1) 4-20mm 9 Hole, (1) 4-30mm 12 Hole

STEP DRILL BITS



MILWAUKEE® Step Drill Bits far surpass the competition. With a single cutting edge design, you will have more control and a cleaner finish. Made of high speed steel, these new step drill bits are durable and designed to drill through most metals. The black oxide finish prevents corrosion and has great capacity to work with drilling lubricants. The new Rapid Strike tip prevents bit walking and allows faster penetration. With laser etched markings that are hard-wearing and a 3-Flat Shank you can be confident while drilling with MILWAUKEE® Step Drill Bits.

Product Code	Description
48899332	Jam-Free Step Drill M6-M32 13 Hole
48899301	Jam-Free Step Drill 4-12mm 9 Hole
48899320	Jam-Free Step Drill 4-20mm 9 Hole
48899335	Jam-Free Step Drill 6-35mm 15 Hole
48899399	Jam-Free Step Drill Set (1) 4-12mm, (1) 4-20mm, (1) 6-35mm

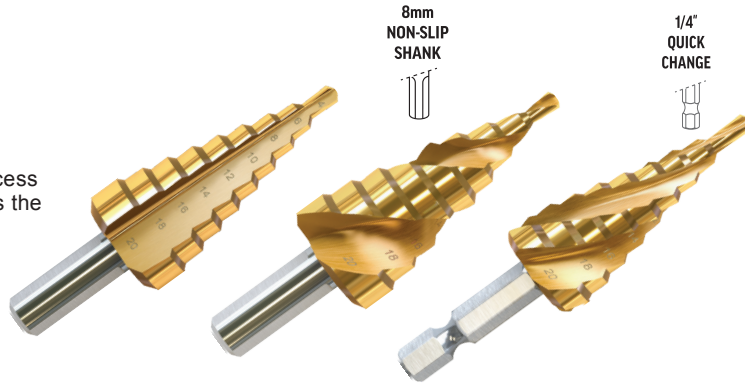
STEP DRILLS **FAST & ACCURATE** **3x LIFE**
Gold Series

Metric: 4 - 12mm, 6 - 36mm & 1/4" - 3/4"
Ideal for: Sheet Metal, Steel & Plastic



VIEW FULL RANGE

- Drills and de-burrs in one process
- Self-starting split point removes the need for a pilot hole



8mm
NON-SLIP
SHANK

1/4"
QUICK
CHANGE



THUNDER MAX **New** **STEP DRILLS**

Metric: 4 - 12mm & 6 - 30mm
Ideal for: Sheet Metal, Steel & Plastic

- 2x Life
- Tempered black finish maximises lubricant hold, assisting chip flow & heat dissipation



Ideal for
cordless drills

8mm
NON-SLIP
SHANK



- General Engineering and Metal Fabrication



COUNTERSINK HSS

Metric: 6.3 - 40.0mm
Ideal for: Mild steel, aluminium, softwood, plastic, stainless steel

Fully ground
HSS COBALT
for increased strength & longer life

Fully ground
HSS AL
for increased strength & longer life



1/4"
QUICK
CHANGE



Simple to sharpen by grinding the face of the flute

Fully ground M42 HSS-Co8 increases strength and countersink life

Titanium nitride coated for increase wear resistance

VERSADRIVE®
PATENT PROTECTED

VERSADRIVE ADAPTERS

Also available with 1/4", SDS Plus & Extension Adapters.



- Fits all standard 1/2" drill chucks
- High strength, non-slip shank design – no slipping in the chuck like standard tools
- Three concentric lock positions give perfect alignment and accuracy



Non-Slip Shank Fit
Align the dimples on the VersaDrive® Hex Shank with lock position arrows on the VersaDrive® Adaptor

IMPACT STEP DRILL

Sizes Available: 4-12mm to 6-40mm
The first step drill optimised for use with impact wrenches and impact drivers allowing the user to create holes in seconds.

Specially hardened for impact wrench use



Market leading 5mm thick drilling capacity



See Impact Step Drills in action

IMPACT REAMERS

Sizes Available: 8mm to 26mm
VersaDrive™ Impact Reamers are the perfect hole alignment and enlarging tool for metalworkers and fabricator.



Precision 6-flute design for smooth cutting



See Impact Reamers in action

IMPACTATAPS®

Sizes Available: M5 to M30
Available in: Metric, UCN, BSPF
VersaDrive™ ImpactaTaps® are the first and only range of taps that are suitable for impact wrenches and impact drivers.

Specially hardened for impact wrench use

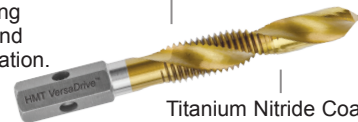


15X FASTER THAN HAND TAPPING
Precision ground for high accuracy

COMBI DRILL TAPS

Sizes Available: M3 to M12
VersaDrive™ ImpactaTaps® Drill Taps are a time saving solution for pilot drilling and tapping in one easy operation.

Drill and tap in one easy operation



Titanium Nitride Coating provides wear resistance and faster cutting performance

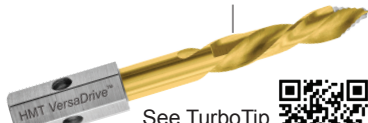


See Combi Drill Taps in action

TURBOTIP® DRILL BITS

Sizes Available: 6.0mm to 22.0mm
VersaDrive™ TurboTip® Drill Bits are stepped tip bits that drill at twice the speed of standard bits without the need for pilot drilling while cutting a perfectly round hole.

For optimum life and accuracy use with pedestal drills and mag-based drills

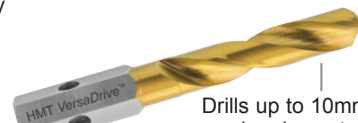


See TurboTip in action



COBALT DRILL BITS

Sizes Available: 4.2mm to 14.0mm
VersaDrive™ Heavy Duty Cobalt Drills are made from premium grade 8% cobalt high speed steel (HSS), with an additional high-quality titanium nitride coating.



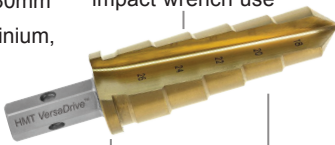
Drills up to 10mm can be used on impact wrenches and impact drivers

IMPACTSTEP CUTTERS

Sizes Available: 8-16mm to 4-30mm
Ideal for: Stainless Steel, Aluminium, plastic & Cast Iron

- For fastest performance use on impact wrenches and impact drivers

Specially hardened for impact wrench use



Number of Steps: 12mm depth of cut
5 Steps

TCT HOLE CUTTERS

Sizes Available: 12mm to 80mm
VersaDrive™ TCT Hole Cutters are a high performance solution for cutting larger diameter holes quickly and effectively.

For fastest performance use with rotary pistol drills



See TCT Hole Cutters in action

