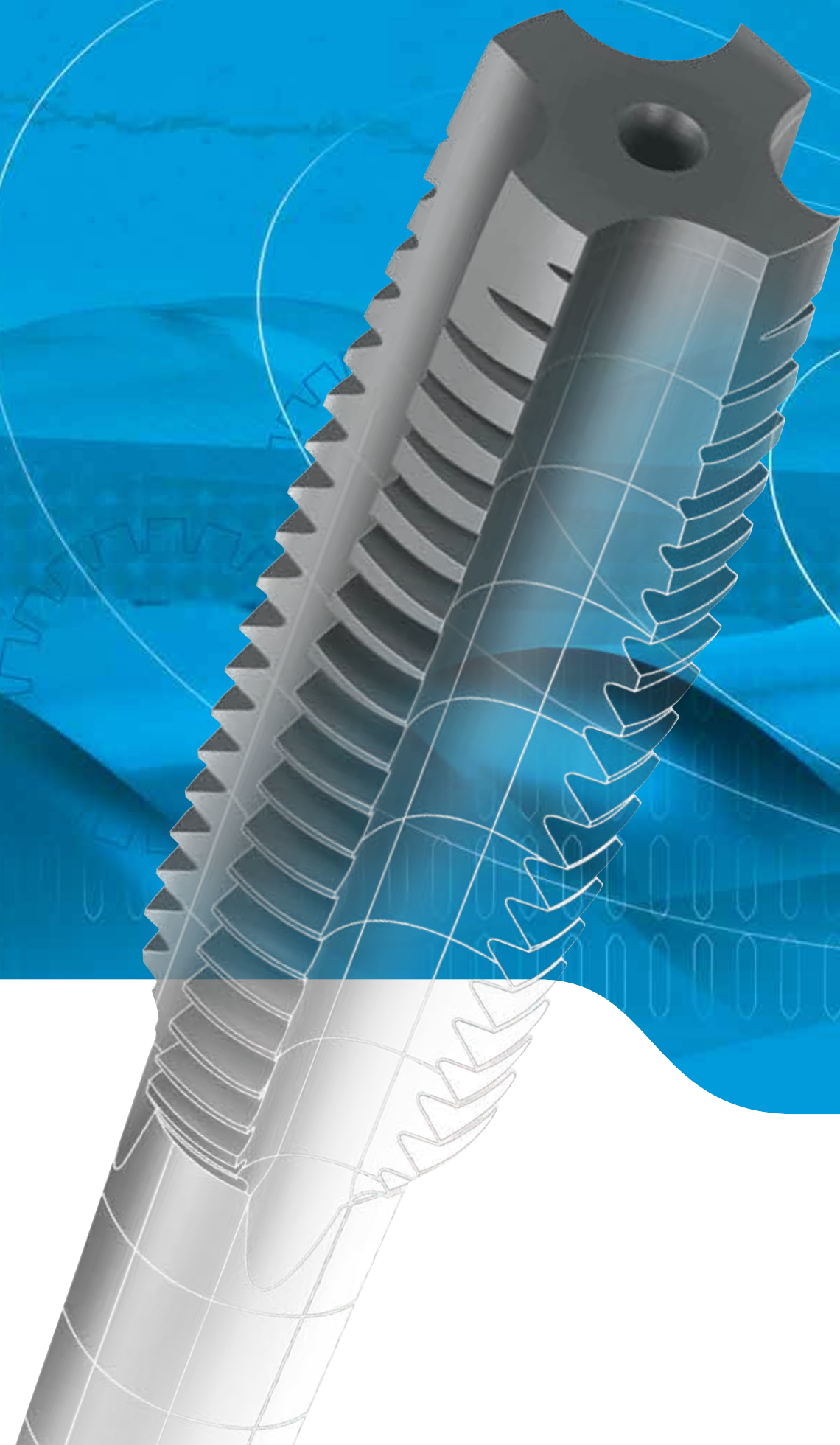


THREADING



Threading

- Hand Taps
- Button Dies
- Die Nuts
- Screw Extractors
- Holders
- Sets



Threading

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- 179 **Dies** Carbon, Button Dies – BA
- 179 **Dies** Carbon, Button Dies – BSB
- 178 **Dies** Carbon, Button Dies – BSF
- 178 **Dies** Carbon, Button Dies – BSW
- 180 **Dies** Carbon, Button Dies – G
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suttontools

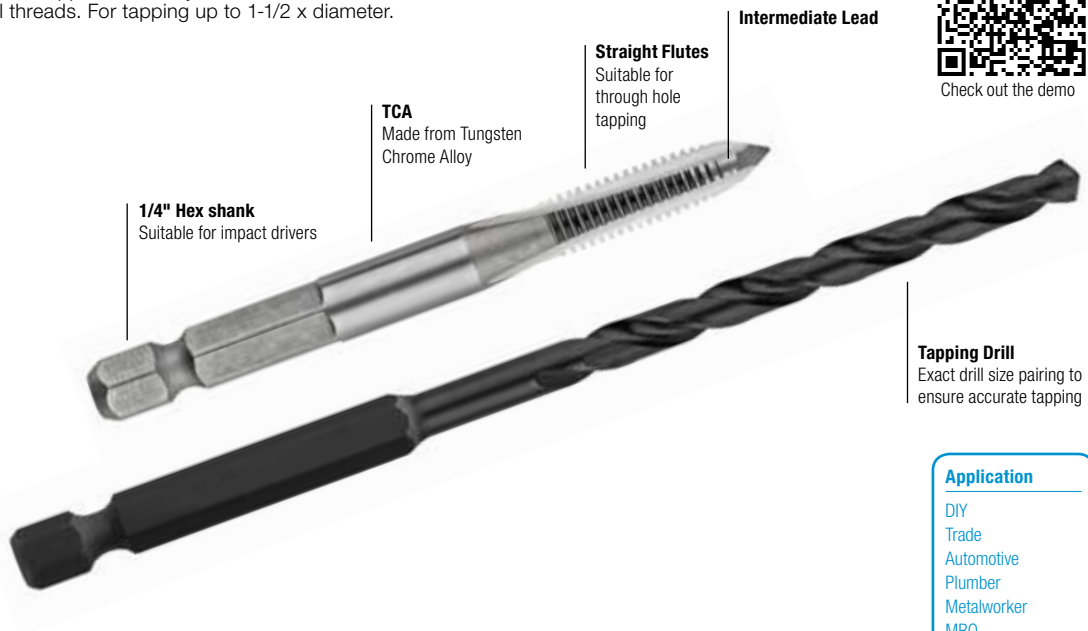


Designed for use in impact drivers for extremely fast tapping speed (3 seconds) in excess of 20x faster than hand tapping. Suitable for steel, aluminium, brass, cast iron, plastic and nylon.

General purpose/maintenance applications only. Not suitable for precision, safety or critical threads. For tapping up to 1-1/2 x diameter.



Check out the demo



1/4" Hex shank
Suitable for impact drivers

TCA
Made from Tungsten Chrome Alloy

Straight Flutes
Suitable for through hole tapping

Intermediate Lead

Tapping Drill
Exact drill size pairing to ensure accurate tapping

- Application**
- DIY
 - Trade
 - Automotive
 - Plumber
 - Metalworker
 - MRO

Discount Group: D0502

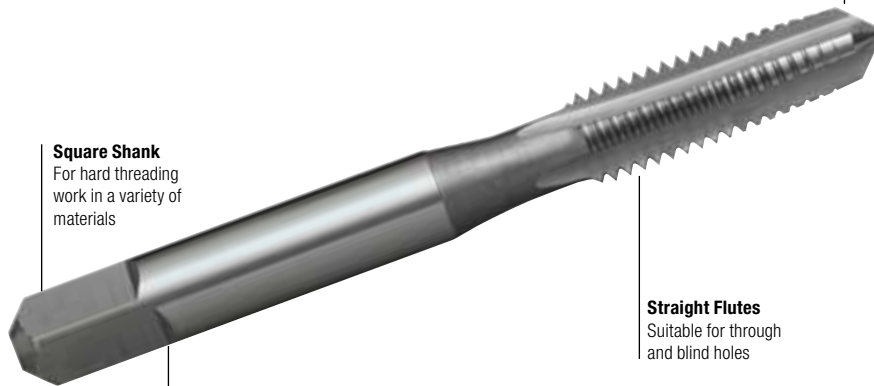
Size	Pitch	Shank Size	Drill Ø	Item #	Barcode	Price
M3	0.5	1/4	2.5mm	M105 0300	9311963600840	
M4	0.7	1/4	3.3mm	M105 0400	9311963600857	
M5	0.8	1/4	4.2mm	M105 0500	9311963600864	
M6	1	1/4	5.0mm	M105 0600	9311963600871	
M8	1.25	1/4	6.8mm	M105 0800	9311963600888	

M105



P&N Workshop Straight Flute taps are ground from solid High Speed Steel to produce a homogeneous grain structure. The resultant taps are tough with a ground all-over finish, producing smoothly blended flute and thread forms of precise geometry. Suitable for general purpose use in materials up to 1000N/mm² in both hand and machine operations up to 1 x diameter.

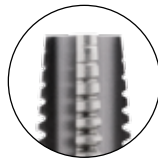
Tap Cut
A variety of leads are available to suit various requirements



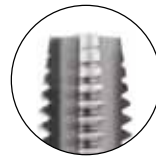
Square Shank
For hard threading work in a variety of materials

HSS
Made from High Speed Steel

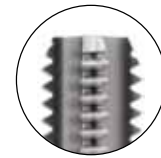
Straight Flutes
Suitable for through and blind holes



Taper



Intermediate



Bottoming

Discount Group: D0702

Size	Pitch/TPI	Drill Ø	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
Metric											
M3	0.5	2.5	5315488	9312621787590		5315497	9312621787606		5315504	9312621787613	
M4	0.7	3.3	5315817	9312621787651		5315826	9312621787668		5315835	9312621787675	
M5	0.8	4.2	5316171	9312621787712		5316180	9312621787729		5316199	9312621787736	
M6	1	5.0	5316297	9312621787743		5316304	9312621787750		5316313	9312621787767	
M8	1.25	6.8	5316537	9312621787804		5316546	9312621787811		5316555	9312621787828	
M10	1.5	8.5	5316779	9312621787866		5316788	9312621787873		5316797	9312621787880	
M12	1.75	10.2	5317015	9312621787927		5317024	9312621787934		5317033	9312621787941	
UNC (Unified National Coarse)											
#10	24	3.8	5305020	9312621786395		5305039	9312621786401		5305048	9312621786418	
1/4	20	5.1	5305388	9312621786456		5305397	9312621786463		5305404	9312621786470	
5/16	18	6.6	5305566	9312621786487		5305575	9312621786494		5305584	9312621786500	
3/8	16	8.0	5305771	9312621786517		5305780	9312621786524		5305799	9312621786531	
7/16	14	9.4	5305986	9312621786548		5305995	9312621786555		5306008	9312621786562	
1/2	13	10.8	5306197	9312621786579		5306204	9312621786586		5306213	9312621786593	
Rc Series – BSPT (British Standard Pipe Taper)											
1/8	28	8.4							5349504	9312621789778	
1/4	19	10.8							5349513	9312621789785	
3/8	19	14.5							5349522	9312621789792	
1/2	14	18.0							5349531	9312621789808	
3/4	14	23.0							5349559	9312621789815	
NPT (National Pipe Taper)											
1/8	27	8.2							5351222	9312621789846	
1/4	18	10.8							5351231	9312621789853	
3/8	18	14.0							5351240	9312621789860	
1/2	14	17.5							5351259	9312621789877	
3/4	14	23.0							5351268	9312621789884	

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

suttontools

Ideal for routine maintenance, repair work and for rethreading where high accuracy and tolerance thread is not critical. General purpose/DIY use only. Made from Tungsten Chrome Alloy (TCA).

Note: Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Tap Cut
A variety of leads are available to suit various requirements



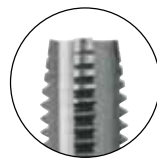
Square Shank
For hard threading work in a variety of materials

TCA
Made from Tungsten Chrome Alloy

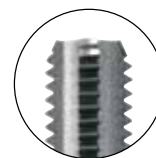
Straight Flutes
Suitable for through hole tapping



Taper



Intermediate



Bottoming

Discount Group: D0502

Size	Pitch / TPI	Drill Ø	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
Metric ISO Coarse			M100			M101			M102		
M3	0.5	2.5	M100 0300	9311963420097		M101 0300	9311963420103		M102 0300	9311963420110	
M4	0.7	3.3	M100 0400	9311963076850		M101 0400	93829137		M102 0400	9311963076867	
M5	0.8	4.2	M100 0500	9311963076874		M101 0500	93829151		M102 0500	9311963076881	
M6	1.0	5	M100 0600	9311963076898		M101 0600	93829168		M102 0600	9311963076904	
M7*	1.0	6				M101 0700	93829175				
M8	1.25	6.8	M100 0800	9311963076935		M101 0800	93829182		M102 0800	9311963076942	
M10	1.5	8.5	M100 1000	9311963076959		M101 1000	93829199		M102 1000	9311963076966	
M12	1.75	10.2	M100 1200	9311963076973		M101 1200	93829205		M102 1200	9311963076980	
UNC (Unified National Coarse)			M119			M120			M121		
#10*	24	3.8	M119 0483	9311963551906		M120 0483	9311963551975		M121 0483	9311963552040	
#12*	24	4.5	M119 0549	9311963551913		M120 0549	9311963551982				
1/4*	20	5.1				M120 0635	9311963551999				
5/16*	18	6.6							M121 0794	9311963552071	
7/16*	14	9.4	M119 1111	9311963551951							
UNF (Unified National Fine)			M112			M113			M114		
1/4	28	5.5	M112 0635	9311963076997		M113 0635	93829083		M114 0635	9311963077000	
5/16	24	6.9	M112 0794	9311963077017		M113 0794	93829090		M114 0794	9311963077031	
3/8	24	8.5	M112 0953	9311963077048		M113 0953	93829106		M114 0953	9311963077086	
7/16	20	9.8	M112 1111	9311963077062		M113 1111	93829113		M114 1111	9311963077079	
1/2	20	11.5	M112 1270	9311963077093		M113 1270	93829120		M114 1270	9311963077109	
BSW (British Standard Whitworth)			M116			M117			M118		
1/8	40	2.55	M116 0318	9311963077116		M117 0318	93829007		M118 0318	9311963077123	
5/32	32 WHIT	3.2	M116 0397	9311963077130		M117 0397	93829014		M118 0397	9311963077147	
3/16	24	3.7	M116 0476	9311963077154		M117 0476	93829021		M118 0476	9311963077161	
1/4	20	5.1	M116 0635	9311963077178		M117 0635	93829038		M118 0635	9311963077185	
5/16	18	6.5	M116 0794	9311963077192		M117 0794	93829045		M118 0794	9311963077208	
3/8	16	7.9	M116 0953	9311963077215		M117 0953	93829052		M118 0953	9311963077222	
7/16*	14	9.3	M116 1111	9311963077239		M117 1111	93829069				
1/2	12	10.5	M116 1270	9311963077253		M117 1270	93829076		M118 1270	9311963077260	

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

* Not available once current stock is depleted

Prices exclude GST

www.suttontools.com



Made from Tungsten Chrome Alloy.

Carbon Taps – Not suitable for precision, safety or critical threads. General purpose / DIY use only. Straight flutes are designed for tapping into materials where chips break-up readily and present no disposal problems, particularly in through-hole tapping. Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Set comprises 1 each – Taper, Intermediate & Bottoming.

Tap Cut

A variety of leads are available to suit various requirements



Square Shank
For hard threading work in a variety of materials

TCA
Made from Tungsten Chrome Alloy

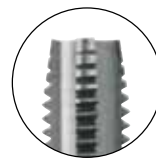
Straight Flutes
Suitable for through hole tapping

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO



Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	Pitch	Drill Ø	Item #	Price	Item #	Price	Item #	Price	Item #	Price
Metric ISO Coarse			M200		M201		M202		M203	
M2	0.4	1.6	M200 0200		M201 0200		M202 0200		M203 0200	
M2.5	0.45	2.05	M200 0250		M201 0250		M202 0250		M203 0250	
M3	0.5	2.5	M200 0300		M201 0300		M202 0300		M203 0300	
M3.5	0.6	2.9	M200 0350		M201 0350		M202 0350		M203 0350	
M4	0.7	3.3	M200 0400		M201 0400		M202 0400		M203 0400	
M4.5	0.75	3.7	M200 0450		M201 0450		M202 0450		M203 0450	
M5	0.8	4.2	M200 0500		M201 0500		M202 0500		M203 0500	
M6	1.0	5	M200 0600		M201 0600		M202 0600		M203 0600	
M7	1.0	6	M200 0700		M201 0700		M202 0700		M203 0700	
M8	1.25	6.8	M200 0800		M201 0800		M202 0800		M203 0800	
M9	1.25	7.8	M200 0900		M201 0900		M202 0900		M203 0900	
M10	1.5	8.5	M200 1000		M201 1000		M202 1000		M203 1000	
M11	1.5	9.5	M200 1100		M201 1100		M202 1100		M203 1100	
M12	1.75	10.2	M200 1200		M201 1200		M202 1200		M203 1200	
M14	2.0	12	M200 1400		M201 1400		M202 1400		M203 1400	
M16	2.0	14	M200 1600		M201 1600		M202 1600		M203 1600	
M18	2.5	15.5	M200 1800		M201 1800		M202 1800		M203 1800	
M20	2.5	17.5	M200 2000		M201 2000		M202 2000		M203 2000	
M22	2.5	19.5	M200 2200		M201 2200		M202 2200		M203 2200	
M24	3.0	21	M200 2400		M201 2400		M202 2400		M203 2400	
M27	3.0	24	M200 2700		M201 2700		M202 2700			
M30	3.5	26.5	M200 3000		M201 3000		M202 3000			
M33	3.5	29.5	M200 3300		M201 3300		M202 3300			
M36	4.0	32	M200 3600		M201 3600		M202 3600			

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.



Made from Tungsten Chrome Alloy.

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Set comprises 1 each – Taper, Intermediate & Bottoming.

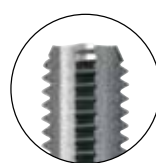
Tap Cut
A variety of leads are available to suit various requirements



Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO

TCA
Made from Tungsten Chrome Alloy



Taper

Intermediate

Bottoming

Set of 3

Discount Group: D0502

Size	Pitch	Drill Ø	Item #	Price	Item #	Price	Item #	Price	Item #	Price
Metric Fine			M204		M205		M206		M207	
MF8	1.0	7	M204 0805		M205 0805		M206 0805		M207 0805	
MF10	1.25	8.8	M204 1006		M205 1006		M206 1006		M207 1006	
MF12*	1.5	10.5	M204 1207		M205 1207		M206 1207		M207 1207	
MF12	1.25	10.8	M204 1206		M205 1206		M206 1206		M207 1206	
MF14	1.5	12.5	M204 1407		M205 1407		M206 1407		M207 1407	
MF16	1.5	14.5	M204 1607		M205 1607		M206 1607		M207 1607	
MF18	1.5	16.5	M204 1807		M205 1807		M206 1807		M207 1807	
MF20	1.5	18.5	M204 2007		M205 2007		M206 2007		M207 2007	
MF22	1.5	20.5	M204 2207		M205 2207		M206 2207		M207 2207	
MF24	2.0	22	M204 2408		M205 2408		M206 2408		M207 2408	
Metric Conduit										
MF16	1.5	14.5	M204 1607		M205 1607		M206 1607		M207 1607	
MF20	1.5	18.5	M204 2007		M205 2007		M206 2007		M207 2007	
MF25	1.5	23.5	M204 2507		M205 2507		M206 2507			
MF32	1.5	30.5	M204 3207		M205 3207		M206 3207			
MF40	1.5	38.5	M204 4007		M205 4007		M206 4007			
MF50	1.5	48.5	M204 5007		M205 5007		M206 5007			
Spark Plug										
MF10	1.0	9	M204 1005		M205 1005		M206 1005		M207 1005	
MF12	1.25	10.8	M204 1206		M205 1206		M206 1206		M207 1206	
MF14	1.25	12.8	M204 1406		M205 1406		M206 1406		M207 1406	
MF18	1.5	16.5	M204 1807		M205 1807		M206 1807		M207 1807	

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

*Alternative Metric Fine

Prices exclude GST



Made from Tungsten Chrome Alloy.

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Set comprises 1 each – Taper, Intermediate & Bottoming.

Tap Cut

A variety of leads are available to suit various requirements



Square Shank

For hard threading work in a variety of materials

TCA

Made from Tungsten Chrome Alloy

Straight Flutes

Suitable for through hole tapping

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO



Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	TPI	Drill Ø	Item #	Price	Item #	Price	Item #	Price	Item #	Price
UNC (Unified National Coarse)			M216		M217		M218		M219	
#5	40	2.6	M216 0318		M217 0318		M218 0318		M219 0318	
#6	32	2.8	M216 0351		M217 0351		M218 0351		M219 0351	
#8	32	3.4	M216 0417		M217 0417		M218 0417		M219 0417	
#10	24	3.8	M216 0483		M217 0483		M218 0483		M219 0483	
#12	24	4.5	M216 0549		M217 0549		M218 0549		M219 0549	
1/4	20	5.1	M216 0635		M217 0635		M218 0635		M219 0635	
5/16	18	6.6	M216 0794		M217 0794		M218 0794		M219 0794	
3/8	16	8	M216 0953		M217 0953		M218 0953		M219 0953	
7/16	14	9.4	M216 1111		M217 1111		M218 1111		M219 1111	
1/2	13	10.8	M216 1270		M217 1270		M218 1270		M219 1270	
9/16	12	12.2	M216 1429		M217 1429		M218 1429		M219 1429	
5/8	11	13.5	M216 1588		M217 1588		M218 1588		M219 1588	
3/4	10	16.5	M216 1905		M217 1905		M218 1905		M219 1905	
7/8	9	19.5	M216 2223		M217 2223		M218 2223		M219 2223	
1	8	22.2	M216 2540		M217 2540		M218 2540		M219 2540	
1-1/8	7	25	M216 2858		M217 2858		M218 2858			
1-1/4	7	28	M216 3175		M217 3175		M218 3175			

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Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

suttontools

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Set comprises 1 each – Taper, Intermediate & Bottoming.

Tap Cut

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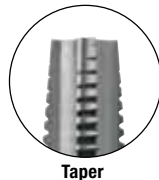
Square Shank
For hard threading work in a variety of materials

Straight Flutes
Suitable for through hole tapping

TCA
Made from Tungsten Chrome Alloy

Application

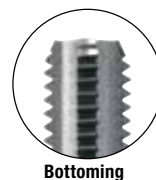
DIY
Trade
Automotive
Plumber
Metalworker
MRO



Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	Pitch	Drill Ø	Item #	Price	Item #	Price	Item #	Price	Item #	Price
UNF (Unified National Fine)			M220		M221		M222		M223	
#5	44	2.65	M220 0318		M221 0318		M222 0318		M223 0318	
#6	40	2.9	M220 0351		M221 0351		M222 0351		M223 0351	
#8	36	3.5	M220 0417		M221 0417		M222 0417		M223 0417	
#10	32	4.1	M220 0483		M221 0483		M222 0483		M223 0483	
#12	28	4.6	M220 0549		M221 0549		M222 0549		M223 0549	
3/16	32 UNS	4	M220 0476		M221 0476		M222 0476		M223 0476	
1/4	28	5.5	M220 0635		M221 0635		M222 0635		M223 0635	
5/16	24	6.9	M220 0794		M221 0794		M222 0794		M223 0794	
3/8	24	8.5	M220 0953		M221 0953		M222 0953		M223 0953	
7/16	20	9.8	M220 1111		M221 1111		M222 1111		M223 1111	
1/2	20	11.5	M220 1270		M221 1270		M222 1270		M223 1270	
9/16	18	12.8	M220 1429		M221 1429		M222 1429		M223 1429	
5/8	18	14.5	M220 1588		M221 1588		M222 1588		M223 1588	
3/4	16	17.5	M220 1905		M221 1905		M222 1905		M223 1905	
7/8	14	20.5	M220 2223		M221 2223		M222 2223		M223 2223	
1	12	23.5	M220 2540		M221 2540		M222 2540		M223 2540	
1	14 UNS	24	M220 2541		M221 2541		M222 2541		M223 2541	
1-1/8	12	26.5	M220 2858		M221 2858		M222 2858			
1-1/4	12	29.5	M220 3175		M221 3175		M222 3175			

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.



Made from Tungsten Chrome Alloy.

Carbon Taps – Not suitable for precision, safety or critical threads. General purpose / DIY use only. Straight flutes are designed for tapping into materials where chips break-up readily and present no disposal problems, particularly in through-hole tapping. Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Set comprises 1 each – Taper, Intermediate & Bottoming.

Tap Cut

A variety of leads are available to suit various requirements



Square Shank

For hard threading work in a variety of materials

Straight Flutes

Suitable for through hole tapping

TCA

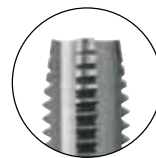
Made from Tungsten Chrome Alloy

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO



Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	TPI	Drill Ø	Item #	Price	Item #	Price	Item #	Price	Item #	Price
BSW (British Standard Whitworth)			M224		M225		M226		M227	
1/8	40	2.55	M224 0318		M225 0318		M226 0318		M227 0318	
5/32	32 WHIT	3.2	M224 0397		M225 0397		M226 0397		M227 0397	
3/16	24	3.7	M224 0476		M225 0476		M226 0476		M227 0476	
1/4	20	5.1	M224 0635		M225 0635		M226 0635		M227 0635	
5/16	18	6.5	M224 0794		M225 0794		M226 0794		M227 0794	
3/8	16	7.9	M224 0953		M225 0953		M226 0953		M227 0953	
7/16	14	9.3	M224 1111		M225 1111		M226 1111		M227 1111	
1/2	12	10.5	M224 1270		M225 1270		M226 1270		M227 1270	
9/16	12	12.1	M224 1429		M225 1429		M226 1429		M227 1429	
5/8	11	13.5	M224 1588		M225 1588		M226 1588		M227 1588	
3/4	10	16.25	M224 1905		M225 1905		M226 1905		M227 1905	
7/8	9	19.25	M224 2223		M225 2223		M226 2223		M227 2223	
1	8	22	M224 2540		M225 2540		M226 2540		M227 2540	
1-1/8	7	24.75	M224 2858		M225 2858		M226 2858			
1-1/4	7	28	M224 3175		M225 3175		M226 3175			
1-1/2	6	33.5	M224 3810		M225 3810		M226 3810			

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

suttontools

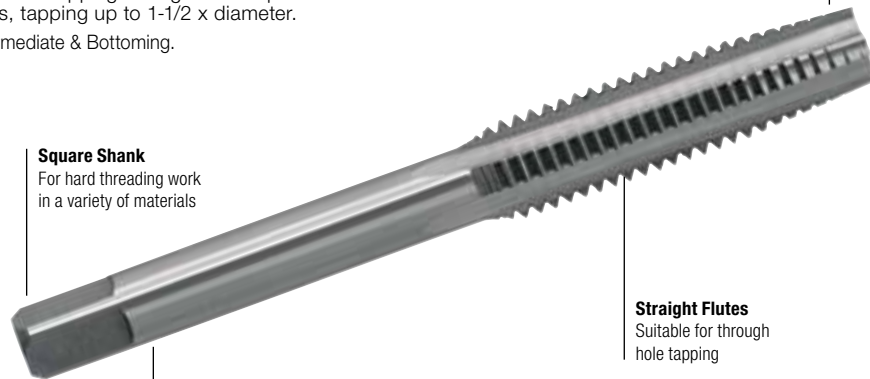
Made from Tungsten Chrome Alloy.

Carbon Taps – Not suitable for precision, safety or critical threads. General purpose / DIY use only. Straight flutes are designed for tapping into materials where chips break-up readily and present no disposal problems, particularly in through-hole tapping. Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Set comprises 1 each – Taper, Intermediate & Bottoming.

Tap Cut

A variety of leads are available to suit various requirements



Square Shank

For hard threading work in a variety of materials

TCA

Made from Tungsten Chrome Alloy

Straight Flutes

Suitable for through hole tapping

Application

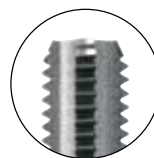
DIY
Trade
Automotive
Plumber
Metalworker
MRO



Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	TPI	Drill Ø	Item #	Price	Item #	Price	Item #	Price	Item #	Price
BSF (British Standard Fine)			M228		M229		M230		M231	
3/16	32	4	M228 0476		M229 0476		M230 0476		M231 0476	
1/4	26	5.3	M228 0635		M229 0635		M230 0635		M231 0635	
5/16	22	6.8	M228 0794		M229 0794		M230 0794		M231 0794	
3/8	20	8.3	M228 0953		M229 0953		M230 0953		M231 0953	
7/16	18	9.8	M228 1111		M229 1111		M230 1111		M231 1111	
1/2	16	11	M228 1270		M229 1270		M230 1270		M231 1270	
9/16	16	12.7	M228 1429		M229 1429		M230 1429			
5/8	14	14	M228 1588		M229 1588		M230 1588			
3/4	12	16.75	M228 1905		M229 1905		M230 1905			
7/8	11	19.75	M228 2223		M229 2223		M230 2223			
1	10	22.75	M228 2540		M229 2540		M230 2540			
BA (British Association)			M232		M233		M234		M235	
0		5.1	M232 0600		M233 0600		M234 0600		M235 0600	
1		4.5	M232 0530		M233 0530		M234 0530		M235 0530	
2		4	M232 0470		M233 0470		M234 0470		M235 0470	
3		3.4	M232 0410		M233 0410		M234 0410		M235 0410	
4		3	M232 0360		M233 0360		M234 0360		M235 0360	
5		2.65	M232 0320		M233 0320		M234 0320		M235 0320	
6		2.3	M232 0280		M233 0280		M234 0280		M235 0280	
7		2.05	M232 0250		M233 0250		M234 0250		M235 0250	
8		1.8	M232 0220		M233 0220		M234 0220		M235 0220	
9		1.55	M232 0190		M233 0190		M234 0190		M235 0190	
10		1.4	M232 0170		M233 0170		M234 0170		M235 0170	
BSB (British Standard Brass)			M236		M237		M238		M239	
1/4	26	5.2	M236 0635		M237 0635		M238 0635		M239 0635	
5/16	26	6.8	M236 0794		M237 0794		M238 0794		M239 0794	
3/8	26	8.4	M236 0953		M237 0953		M238 0953		M239 0953	
7/16	26	10	M236 1111		M237 1111		M238 1111		M239 1111	
1/2	26	11.6	M236 1270		M237 1270		M238 1270		M239 1270	
9/16	26	13.2	M236 1429		M237 1429		M238 1429			
5/8	26	14.8	M236 1588		M237 1588		M238 1588			

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

suttontools

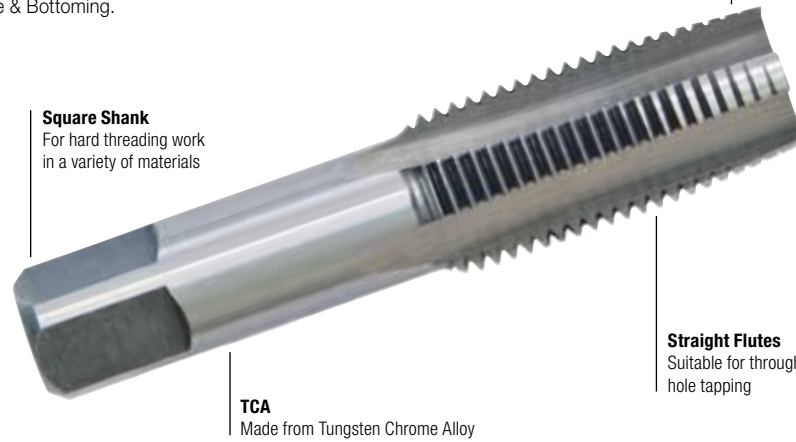
Made from Tungsten Chrome Alloy.

Cuts internal threads in pipes and are ideal for pipe fittings. General purpose/DIY use only. These carbon taps are not suitable for precision, safety or critical threads.

Set comprises 1 each – Taper, Intermediate & Bottoming.

Tap Cut

A variety of leads are available to suit various requirements



Square Shank

For hard threading work in a variety of materials

TCA

Made from Tungsten Chrome Alloy

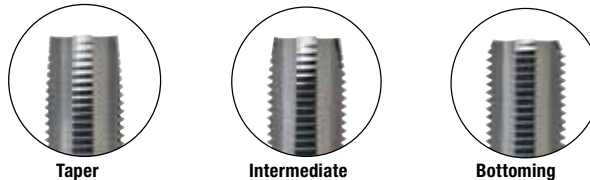
Straight Flutes

Suitable for through hole tapping

Application

DIY
Trade
Automotive
Plumber
Metalworker
MRO

Discount Group: D0502



Taper

Intermediate

Bottoming

Set of 3

Size	TPI	Drill Ø	Item #	Price	Item #	Price	Item #	Price	Item #	Price
BSPF (G Series - British Standard Pipe Fitting)			M240		M241		M242		M243	
1/8	28	8.8	M240 0973		M241 0973		M242 0973		M243 0973	
1/4	19	11.8	M240 1316		M241 1316		M242 1316		M243 1316	
3/8	19	15.3	M240 1666		M241 1666		M242 1666		M243 1666	
1/2	14	19	M240 2096		M241 2096		M242 2096		M243 2096	
5/8	14	21	M240 2291		M241 2291		M242 2291		M243 2291	
3/4	14	24.5	M240 2644		M241 2644		M242 2644		M243 2644	
7/8	14	28.5	M240 3020		M241 3020		M242 3020			
1	11	31	M240 3325		M241 3325		M242 3325		M243 3325	
1-1/4	11	39.5	M240 4191		M241 4191		M242 4191			
1-1/2	11	45.5	M240 4780		M241 4780		M242 4780			
2	11	57.5	M240 5961		M241 5961		M242 5961			
BSPT (Rc Series - British Standard Pipe Taper)							M244			
1/8	28	8.4					M244 0973			
1/4	19	10.8					M244 1316			
3/8	19	14.5					M244 1666			
1/2	14	18					M244 2096			
3/4	14	23					M244 2644			
1	11	29					M244 3325			
1-1/4	11	38					M244 4191			
1-1/2	11	44					M244 4780			
2	11	55					M244 5961			
NPT (National Pipe Taper) 15° Chamfer							M245			
1/8	27	8.4					M245 1029			
1/4	18	10.8					M245 1372			
3/8	18	14.5					M245 1715			
1/2	14	18					M245 2134			
3/4	14	23					M245 2667			
1	11-1/2	29					M245 3340			
1-1/4	11-1/2	38					M245 4216			
1-1/2	11-1/2	44					M245 4826			
2	11-1/2	55					M245 6033			
NPS (National Pipe Straight)			M246		M247		M248			
1/8	27	8.4	M246 1029		M247 1029		M248 1029			
1/4	18	10.8	M246 1372		M247 1372		M248 1372			
3/8	18	14.5	M246 1715		M247 1715		M248 1715			
1/2	14	18	M246 2134		M247 2134		M248 2134			

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

suttontools

Button Dies are used for cutting a new male/external thread on studs. Made from High Speed Steel. Suitable for cleaning existing threads in tough applications. Produce more accurate threads than carbon dies.



Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a precise thread

High Speed Steel
For longer tool life

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO



Discount Group: D0204

Size	Pitch	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
Metric ISO Coarse		M551			M552			M553		
M2	0.4	M551 0200	9311963593647							
M3	0.5	M551 0300	9311963593654							
M4	0.7	M551 0400	9311963593661							
M5	0.8	M551 0500	9311963593678							
M6	1.0	M551 0600	9311963593685							
M8	1.25	M551 0800	9311963593692							
M10	1.5	M551 1000	9311963593708							
M12	1.75	M551 1200	9311963593715							
M12	1.75				M552 1200	9311963593722				
M14	2.0				M552 1400	9311963593739				
M16	2.0				M552 1600	9311963593746				
M18	2.5				M552 1800	9311963593753				
M20	2.5				M552 2000	9311963593760				
M22	2.5				M552 2200	9311963593777				
M24	3.0				M552 2400	9311963593784				
M30	3.5							M553 3000	9311963593791	
M33	3.5							M553 3300	9311963593807	
M36	4.0							M553 3600	9311963593814	
M39	4.0							M553 3900	9311963593821	
M42	4.5							M553 4200	9311963593838	
M45	4.5							M553 4500	9311963593845	
M48	5.0							M553 4800	9311963593852	

suttontools

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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a precise thread

High Speed Steel
For longer tool life

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO

Discount Group: D0204



1"



1-1/2"



2"

Size	Pitch	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
Metric Fine		M554			M555			M556		
MF6	0.75	M554 0604	9311963593869							
MF8	1.0	M554 0805	9311963593876							
MF10	1.0	M554 1005	9311963593883							
MF10	1.25	M554 1006	9311963593890							
MF12	1.25	M554 1206	9311963593906							
MF12	1.5	M554 1207	9311963593913							
MF14	1.0				M555 1405	9311963593920				
MF14	1.25				M555 1406	9311963593937				
MF14	1.5				M555 1407	9311963593944				
MF16	1.0				M555 1605	9311963593951				
MF16	1.5				M555 1607	9311963593968				
MF20	1.5							M556 2007	9311963593975	
MF22	1.5							M556 2207	9311963593982	
MF24	2.0							M556 2408	9311963593999	
MF25	1.5							M556 2507	9311963594002	

Dies HSS, Button Dies – UNC

suttontools

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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a precise thread

High Speed Steel
For longer tool life

Application

DIY
Trade
Automotive
Plumber
Metalworker
MRO



Discount Group: D0204

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price	
UNC (Unified National Coarse)			M561			M562			M563		
#6	32	M561 0351	9311963594019								
#8	32	M561 0417	9311963594026								
#10	24	M561 0483	9311963594033								
#12	24	M561 0549	9311963594040								
1/4	20	M561 0635	9311963594057								
5/16	18	M561 0794	9311963594064								
3/8	16	M561 0953	9311963594071								
7/16	14	M561 1111	9311963594088								
1/2	13	M561 1270	9311963594095		M562 1270	9311963594101					
5/8	11				M562 1588	9311963594118					
3/4	10				M562 1905	9311963594125					
7/8	9				M562 2223	9311963594132					
1"	8				M562 2540	9311963594149					
1-1/8	7							M563 2858	9311963594156		
1-1/4	7							M563 3175	9311963594163		
1-3/8	6							M563 3493	9311963594170		
1-1/2	6							M563 3810	9311963594187		
1-5/8	5.5							M563 4128	9311963594194		
1-3/4	5							M563 4445	9311963594200		
1-7/8	5							M563 4763	9311963594217		
2"	4.5							M563 5080	9311963594224		

Dies HSS, Button Dies – 8-UN



Discount Group: D0204

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price	
8-UN (Unified National)			M566			M567					
1-1/8	8				M566 2858	9311963594378					
1-1/4	8				M566 3175	9311963594385					
1-3/8	8				M566 3493	9311963594392					
1-1/2	8				M566 3810	9311963594408					
1-5/8	8							M567 4128	9311963-594415		
1-3/4	8							M567 4445	9311963-594422		
1-7/8	8							M567 4763	9311963-594439		
2"	8							M567 5080	9311963-594446		

Dies HSS, Button Dies – UNF

suttontools

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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a precise thread

High Speed Steel
For longer tool life

Application

DIY
Trade
Automotive
Plumber
Metalworker
MRO

Discount Group: D0204



1"



2"



3"

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
UNF (Unified National Fine)			M564			M565				
#6	40	M564 0351	9311963594231							
#8	36	M564 0417	9311963594248							
#10	32	M564 0483	9311963594255							
#12	28	M564 0549	9311963594262							
1/4	28	M564 0635	9311963594279							
5/16	24	M564 0794	9311963594286							
3/8	24	M564 0953	9311963594293							
7/16	20	M564 1111	9311963594309							
1/2	20	M564 1270	9311963594316							
9/16	18				M565 1429	9311963594323				
5/8	18				M565 1588	9311963594330				
3/4	16				M565 1905	9311963594347				
7/8	14				M565 2223	9311963594354				
1"	12				M565 2540	9311963594361				

Dies HSS, Button Dies – 12-UN



1"



2.5"



3"

Discount Group: D0204

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price	
12-UN (Unified National)										M568	
1-1/8	12							M568 2858	9311963594453		
1-1/4	12							M568 3175	9311963594460		
1-3/8	12							M568 3493	9311963594477		
1-1/2	12							M568 3810	9311963594484		
1-5/8	12							M568 4128	9311963594491		
1-3/4	12							M568 4445	9311963594507		
1-7/8	12							M568 4763	9311963594514		
2"	12							M568 5080	9311963594521		

Dies HSS, Button Dies – BSPF

suttontools

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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a precise thread

High Speed Steel
For longer tool life

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO



Discount Group: D0204

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
BSPF (British Standard Pipe)		M569			M570			M571		
1/8	28	M569 0973	9311963594538							
1/4	19				M570 1316	9311963594545				
3/8	19				M570 1666	9311963594552				
1/2	14				M570 2096	9311963594569				
5/8	14				M570 2291	9311963594576				
3/4	14				M570 2644	9311963594583				
1"	11							M571 3325	9311963594590	
1-1/4	11							M571 4191	9311963594606	
1-1/2	11							M571 4780	9311963594613	

Dies HSS, Button Dies – BSPT

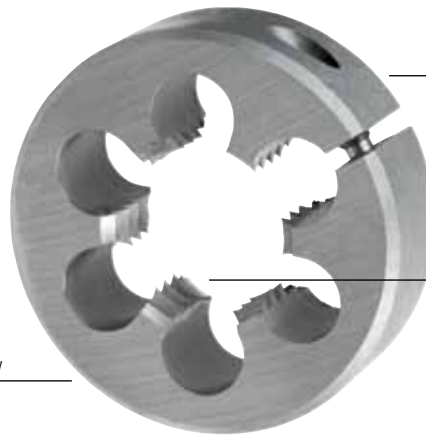


Discount Group: D0204

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
BSPT (British Standard Pipe Taper)								M572		
1"	11							M572 3325	9311963594620	
1-1/4	11							M572 4191	9311963594637	
1-1/2	11							M572 4780	9311963594644	

suttontools

Button Dies are used for cutting a new male/external thread on studs.
Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Carbon Alloy Steel
Suitable for general purpose / DIY use only

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO

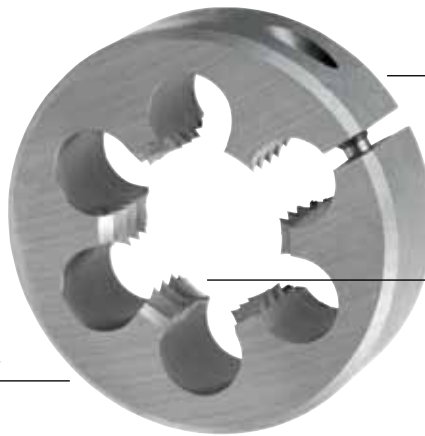


Discount Group: D0202

Size	Pitch	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
Metric ISO Coarse		M400			M401			M402		
M2	0.4	M400 0200	9311963025230							
M2.5	0.45	M400 0250	9311963029733							
M3	0.5	M400 0300	9311963018966							
M3.5	0.6	M400 0350	9311963040875							
M4	0.7	M400 0400	9311963016481							
M4.5	0.75	M400 0450	9311963040882							
M5	0.8	M400 0500	9311963007274							
M6	1.0	M400 0600	9311963007540							
M7	1.0	M400 0700	9311963029740		M401 0700	9311963036458				
M8	1.25	M400 0800	9311963007861		M401 0800	9311963011806				
M9	1.25	M400 0900	9311963021812							
M10	1.5	M400 1000	9311963009971		M401 1000	9311963010755				
M11	1.5	M400 1100	9311963032665		M401 1100	9311963036465				
M12	1.75	M400 1200	9311963020273		M401 1200	9311963021829		M402 1200	9311963011813	
M14	2.0				M401 1400	9311963040899		M402 1400	9311963040905	
M16	2.0							M402 1600	9311963006505	
M18	2.5							M402 1800	9311963029757	
M20	2.5							M402 2000	9311963012414	
M22	2.5							M402 2200	9311963040912	
M24	3.0							M402 2400	9311963016498	

suttontools

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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Carbon Alloy Steel
Suitable for general purpose / DIY use only

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO



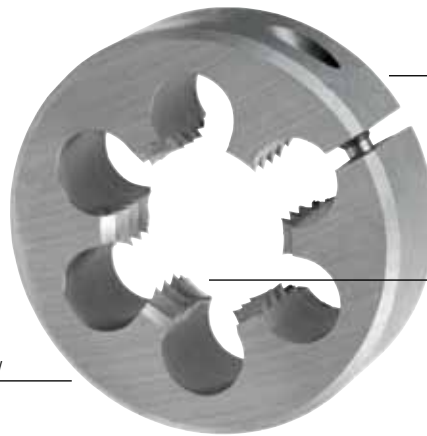
Discount Group: D0202

Size	Pitch	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
Metric Fine		M403			M404			M405		
MF8	1.0	M403 0805	9311963023410							
MF10	1.0	M403 1005	9311963419954							
MF10	1.25	M403 1006	9311963020280		M404 1006	9311963020297				
MF12	1.25	M403 1206	9311963025247		M404 1206	9311963023427		M405 1206	9311963040929	
MF12*	1.5	M403 1207	9311963027173		M404 1207	9311963027180		M405 1207	9311963036472	
MF14	1.25				M404 1406	9311963081724		M405 1406	9311963081380	
MF14	1.5				M404 1407	9311963025254		M405 1407	9311963023434	
MF16	1.5							M405 1607	9311963013701	
MF18	1.5							M405 1807	9311963020303	
MF20	1.5							M405 2007	9311963020310	
MF22	1.5							M405 2207	9311963081397	
MF24	2.0							M405 2408	9311963081403	
Metric Conduit										
MF16	1.5							M405 1607	9311963013701	
MF20	1.5							M405 2007	9311963020310	
MF25	1.5							M405 2507	9311963040936	
Metric Spark Plug										
MF10	1.0	M403 1005	9311963419954							
MF12	1.25	M403 1206	9311963025247		M404 1206	9311963023427		M405 1206	9311963040929	
MF14	1.25				M404 1406	9311963081724		M405 1406	9311963081380	
MF18	1.5							M405 1807	9311963020303	

Dies Carbon, Button Dies – UNC



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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Carbon Alloy Steel
Suitable for general purpose / DIY use only

- Application**
- DIY
 - Trade
 - Automotive
 - Plumber
 - Metalworker
 - MRO

Discount Group: D0202



Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
UNC (Unified National Coarse)		M412			M413			M414		
#5	40	M412 0318	9311963027197							
#6	32	M412 0351	9311963016504							
#8	32	M412 0417	9311963018973							
#10	24	M412 0483	9311963025261							
#12	24	M412 0549	9311963025278							
1/4	20	M412 0635	9311963021836		M413 0635	9311963025285				
5/16	18	M412 0794	9311963016511		M413 0794	9311963025292				
3/8	16	M412 0953	9311963018980		M413 0953	9311963023458				
7/16	14	M412 1111	9311963020327		M413 1111	9311963027203				
1/2	13	M412 1270	9311963023441		M413 1270	9311963020334		M414 1270	9311963018997	
9/16	12				M413 1429	9311963029764		M414 1429	9311963036489	
5/8	11				M413 1588	9311963020341		M414 1588	9311963019000	
3/4	10							M414 1905	9311963019017	
7/8	9							M414 2223	9311963027210	
1	8							M414 2540	9311963025308	

Dies Carbon, Button Dies – UNF

Discount Group: D0202

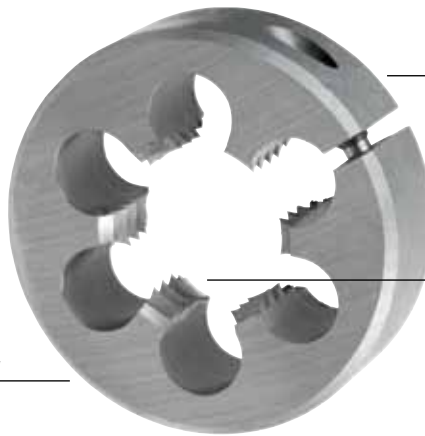


Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
UNF (Unified National Fine)		M415			M416			M417		
#5	44	M415 0318	9311963040943							
#6	40	M415 0351	9311963040950							
#8	36	M415 0417	9311963050997							
#10	32	M415 0483	9311963021843							
#12	28	M415 0549	9311963027227							
3/16	32 UNS	M415 0476	9311963015514							
1/4	28	M415 0635	9311963014623		M416 0635	9311963020358				
5/16	24	M415 0794	9311963010359		M416 0794	9311963014647				
3/8	24	M415 0953	9311963016528		M416 0953	9311963017785				
7/16	20	M415 1111	9311963014630		M416 1111	9311963019024				
1/2	20	M415 1270	9311963021850		M416 1270	9311963013107		M417 1270	9311963017792	
9/16	18				M416 1429	9311963025315		M417 1429	9311963025322	
5/8	18				M416 1588	9311963013718		M417 1588	9311963009124	
3/4	16							M417 1905	9311963006512	
7/8	14							M417 2223	9311963013725	
1	12							M417 2540	9311963014654	
1	14 UNS							M417 2541	9311963025339	

Dies Carbon, Button Dies – BSW

suttontools

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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Carbon Alloy Steel
Suitable for general purpose / DIY use only

Application

DIY
Trade
Automotive
Plumber
Metalworker
MRO

Discount Group: D0202

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price	
BSW (British Standard Whitworth)			M418			M419			M420		
1/8	40	M418 0318	9311963021867								
5/32	32 WHIT	M418 0397	9311963021874								
3/16	24	M418 0476	9311963029771		M419 0476	9311963019031					
1/4	20	M418 0635	9311963014661		M419 0635	9311963013114					
5/16	18	M418 0794	9311963012421		M419 0794	9311963013732					
3/8	16	M418 0953	9311963021881		M419 0953	9311963011820					
7/16	14	M418 1111	9311963040967		M419 1111	9311963032672					
1/2	12	M418 1270	9311963021898		M419 1270	9311963019048		M420 1270	9311963005515		
9/16	12				M419 1429	9311963029788		M420 1429	9311963032689		
5/8	11				M419 1588	9311963029795		M420 1588	9311963013749		
3/4	10							M420 1905	9311963013121		
7/8	9							M420 2223	9311963025346		
1	8							M420 2540	9311963016535		

Dies Carbon, Button Dies – BSF

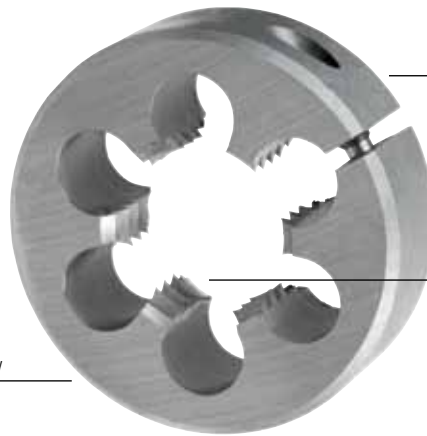
Discount Group: D0202

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price	
BSF (British Standard Fine)			M421			M422			M423		
3/16	32	M421 0476	9311963040974								
1/4	26	M421 0635	9311963019055		M422 0635	9311963027241					
5/16	22	M421 0794	9311963023465		M422 0794	9311963025353					
3/8	20	M421 0953	9311963027234		M422 0953	9311963023472					
7/16	18	M421 1111	9311963040981		M422 1111	9311963029801					
1/2	16				M422 1270	9311963027258		M423 1270	9311963040998		
9/16	16							M423 1429	9311963051000		
5/8	14							M423 1588	9311963036496		
3/4	12							M423 1905	9311963032696		
7/8	11							M423 2223	9311963041001		
1	10							M423 2540	9311963036502		

Dies Carbon, Button Dies – BA

suttontools

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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Carbon Alloy Steel
Suitable for general purpose / DIY use only

Application

DIY
Trade
Automotive
Plumber
Metalworker
MRO

Discount Group: D0202



1"



1-1/2"



2"

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
BA (British Association)		M424								
0		M424 0600	9311963036519							
1		M424 0530	9311963051017							
2		M424 0470	9311963021904							
3		M424 0410	9311963041018							
4		M424 0360	9311963032702							
5		M424 0320	9311963041025							
6		M424 0280	9311963032719							
7		M424 0250	9311963041032							
8		M424 0220	9311963036526							
9		M424 0190	9311963036533							
10		M424 0170	9311963029818							

Dies Carbon, Button Dies – BSB



1"



1-1/2"



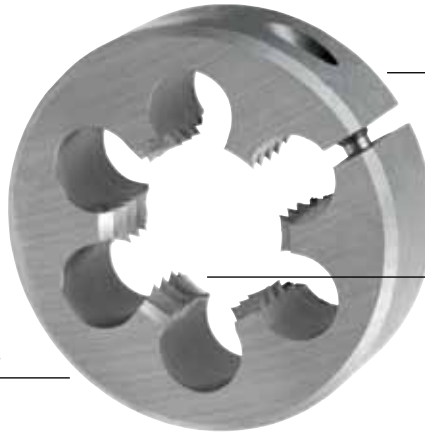
2"

Discount Group: D0202

Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
BSB (British Standard Brass)		M430			M431			M432		
1/4	26	M430 0635	9311963041049		M431 0635	9311963029825				
5/16	26	M430 0794	9311963032726		M431 0794	9311963023496				
3/8	26	M430 0953	9311963016542		M431 0953	9311963019062				
7/16	26	M430 1111	9311963023489		M431 1111	9311963036540				
1/2	26				M431 1270	9311963021911		M432 1270	9311963036557	
9/16	26							M432 1429	9311963032733	
5/8	26							M432 1588	9311963025360	
3/4	26							M432 1905	9311963029832	
7/8	26							M432 2223	9311963041056	
1	26							M432 2540	9311963051024	

suttontools

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Solid Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Carbon Alloy Steel
Suitable for general purpose / DIY use only

Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO

Discount Group: D0202



Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
G Series - British Standard Pipe Fitting (BSPF)								M435		
1/8	28							M435 0973	9311963014678	
1/4	19							M435 1316	9311963011837	
3/8	19							M435 1666	9311963016559	
1/2	14							M435 2096	9311963011332	
5/8	14							M435 2291	9311963041063	
3/4	14							M435 2644	9311963011844	
7/8	14							M435 3020	9311963051031	
1	11							M435 3325	9311963051048	

Dies Carbon, Button Dies – RC & NPT (Taper)

Discount Group: D0202

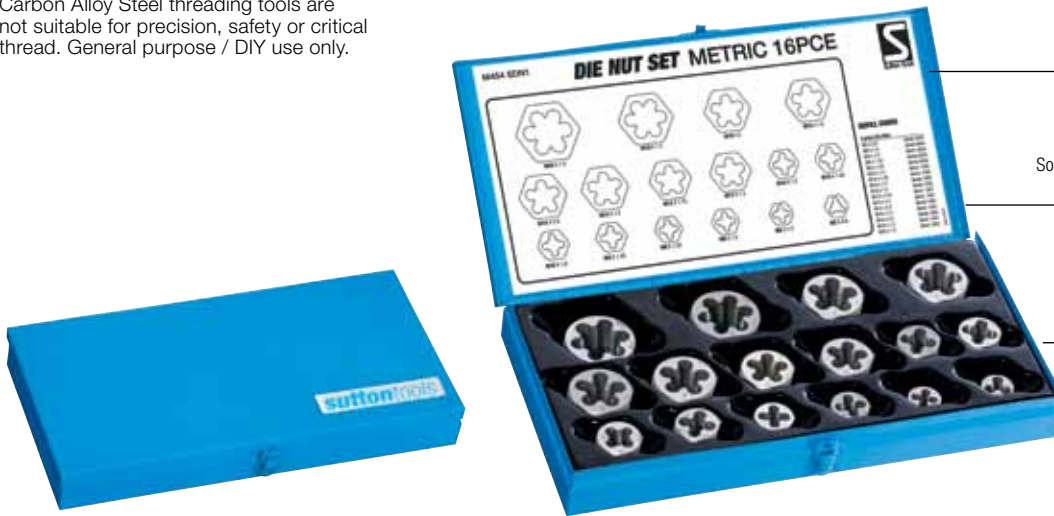


Size	TPI	Item #	Barcode	Price	Item #	Barcode	Price	Item #	Barcode	Price
Rc Series - BSPT (British Standard Pipe Taper)								M438		
1/8	28							M438 0973	9311963025377	
1/4	19							M438 1316	9311963029849	
3/8	19							M438 1666	9311963025384	
1/2	14							M438 2096	9311963021928	
3/4	14							M438 2644	9311963020365	
National Pipe Taper (NPT)								M429		
1/8	27							M429 1029	9311963021935	
1/4	18							M429 1372	9311963016566	
3/8	18							M429 1715	9311963023502	
1/2	14							M429 2134	9311963029856	
3/4	14							M429 2667	9311963029863	
1	11-1/2							M429 3340	9311963419961	

suttontools

Die Nut – for cleaning & resizing existing damaged threads.

Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Layout Chart
Quickly and easily identifies location of items

Metal Case
Solid construction, ideal for storage and transportation of your tools

Slim Line Design
Fits comfortably into tool chest, drawers and work bench

Discount Group: D0802

Set	Contents	Pieces	Item #	Barcode	Price
M454					
Metric	5 x 0.8, 6 x 1, 8 x 1, 8 x 1.25, 9 x 1.25, 10 x 1, 10 x 1.25, 10 x 1.5, 12 x 1.75, 12 x 1.5, 14 x 1.5, 14 x 2, 16 x 1.5, 16 x 2, 18 x 1.5, 20 x 1.5mm	16	M454 SDN1	9311963032832	
BSW	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454 SDN2	9311963051185	
UNC	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454 SDN3	9311963032849	
UNF	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454 SDN4	9311963032856	



M454 SDN1



M454 SDN2



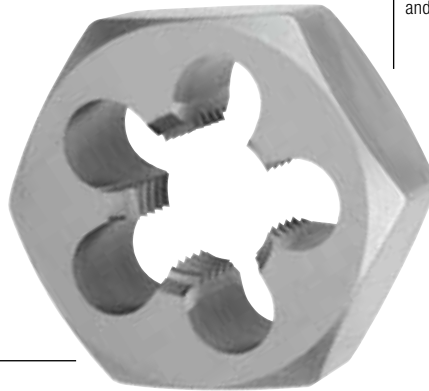
M454 SDN3



M454 SDN4

suttontools

Die Nuts are designed for cleaning and resizing existing damaged threads.
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Hexagon Die
Best suited for maintenance and repair work

Limited Space
Die can be used with a wrench or socket



Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO

Discount Group: D0202

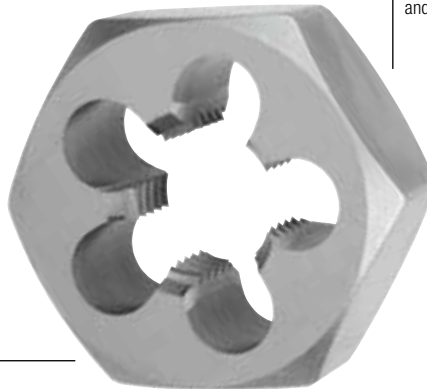
Size	Pitch	AF	Item #	Blister Barcode	Price	Item #	Box Barcode	Price
Metric ISO Coarse			M440			M440		
M5	0.8	18	M440 0500	9311963017815				
M6	1.0	18	M440 0600	9311963011851				
M7	1.0	18	M440 0700	9311963032740				
M8	1.25	21	M440 0800	9311963009988				
M9	1.25	23.5	M440 0900	9311963041087				
M10	1.5	23.5	M440 1000	9311963023526				
M12	1.75	28	M440 1200	9311963010762				
M14	2.0	33	M440 1400	9311963029887				
M16	2.0	33	M440 1600	9311963013756				
M18	2.5	37.5	M440 1800	9311963051086				
M20	2.5	37.5				M440 2000	9311963021942	
M22	2.5	42.5				M440 2200	9311963036588	
M24	3.0	52				M440 2400	9311963023533	
M27	3.0	56.5				M440 2700	9311963041094	
M30	3.5	56.5				M440 3000	9311963020372	
M33	3.5	65.5				M440 3300	9311963051093	
M36	4.0	70				M440 3600	9311963041100	
Metric Fine			M441			M441		
MF8	1.0	21	M441 0805	9311963029894				
MF10	1.0	23.5	M441 1005	9311963025407				
MF10	1.25	23.5	M441 1006	9311963015521				
MF12	1.25	28	M441 1206	9311963013763				
MF12*	1.5	28	M441 1207	9311963011868				
MF14	1.5	33	M441 1407	9311963021959				
MF16	1.5	33	M441 1607	9311963029900				
MF18	1.5	37.5	M441 1807	9311963029917				
MF20	1.5	37.5				M441 2007	9311963027272	
Metric Conduit								
MF16	1.5	33	M441 1607	9311963029900				
MF20	1.5	37.5				M441 2007	9311963027272	
Metric Spark Plug								
MF10	1.0	23.5	M441 1005	9311963025407				
MF12	1.25	28	M441 1206	9311963013763				
MF18	1.5	37.5	M441 1807	9311963029917				

*Alternative Metric Fine

Prices exclude GST

suttontools

Die Nuts are designed for cleaning and resizing existing damaged threads.
Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Hexagon Die
Best suited for maintenance and repair work

Limited Space
Die can be used with a wrench or socket



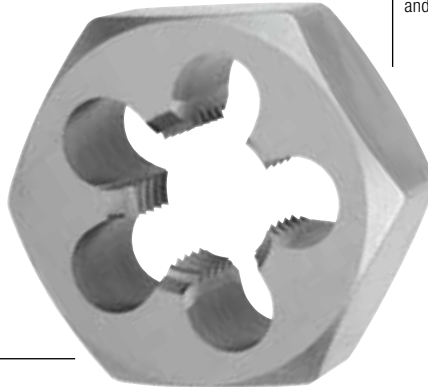
Application
DIY
Trade
Automotive
Plumber
Metalworker
MRO

Discount Group: D0202

Size	Pitch	AF	Item #	Blister Barcode	Price	Item #	Box Barcode	Price
UNC (Unified National Coarse)			M445			M445		
1/4	20	18	M445 0635	9311963025414				
5/16	18	21	M445 0794	9311963016597				
3/8	16	23.5	M445 0953	9311963013770				
7/16	14	25.5	M445 1111	9311963014692				
1/2	13	28	M445 1270	9311963013138				
9/16	12	33	M445 1429	9311963027289				
5/8	11	33	M445 1588	9311963023540				
3/4	10	37.5	M445 1905	9311963027296				
7/8	9	42.5				M445 2223	9311963025421	
1	8	52				M445 2540	9311963027302	
1-1/8	7	56.5				M445 2858	9311963419978	
1-1/4	7	56.5				M445 3175	9311963419985	
1-1/2	6	70				M445 3810	9311963419992	
UNF (Unified National Fine)			M446			M446		
3/16	32 UNS	18	M446 0476	9311963016610				
1/4	28	18	M446 0635	9311963016603				
5/16	24	21	M446 0794	9311963012445				
3/8	24	23.5	M446 0953	9311963011356				
7/16	20	25.5	M446 1111	9311963011363				
1/2	20	28	M446 1270	9311963011875				
9/16	18	33	M446 1429	9311963020389				
5/8	18	33	M446 1588	9311963010779				
3/4	16	37.5	M446 1905	9311963010786				
7/8	14	42.5				M446 2223	9311963021966	
1	12	52				M446 2540	9311963015538	
1	14 UNS	52				M446 2541	9311963019093	
1-1/8	12	56.5				M446 2858	9311963032757	
1-1/4	12	56.5				M446 3175	9311963023557	
1-3/8	12	65.5				M446 3493	9311963036595	
1-1/2	12	70				M446 3810	9311963041117	

suttontools

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Hexagon Die
Best suited for maintenance and repair work

Limited Space
Die can be used with a wrench or socket



Application

- DIY
- Trade
- Automotive
- Plumber
- Metalworker
- MRO

Discount Group: D0202

Size	TPI	AF	Item #	Blister Barcode	Price	Item #	Box Barcode	Price
BSW (British Standard Whitworth)			M447			M447		
1/8	40	18	M447 0318	9311963036601				
5/32	32 WHIT	18	M447 0397	9311963029924				
3/16	24	18	M447 0476	9311963021973				
1/4	20	18	M447 0635	9311963023564				
5/16	18	21	M447 0794	9311963025438				
3/8	16	23.5	M447 0953	9311963009131				
7/16	14	25.5	M447 1111	9311963025445				
1/2	12	28	M447 1270	9311963013787				
9/16	12	33	M447 1429	9311963032764				
5/8	11	33	M447 1588	9311963021980				
3/4	10	37.5	M447 1905	9311963021997				
7/8	9	42.5				M447 2223	9311963032771	
1	8	52				M447 2540	9311963027319	
1-1/8	7	56.5				M447 2858	9311963041124	
1-1/4	7	56.5				M447 3175	9311963027326	
1-1/2	6	70				M447 3810	9311963041131	
1-3/4	5	80				M447 4445	9311963051109	
2	4-1/2	90				M447 5080	9311963051116	
BSF (British Standard Fine)			M448			M448		
3/16	32	18	M448 0476	9311963036618				
1/4	26	18	M448 0635	9311963025452				
5/16	22	21	M448 0794	9311963027333				
3/8	20	23.5	M448 0953	9311963029931				
7/16	18	25.5	M448 1111	9311963025469				
1/2	16	28	M448 1270	9311963032788				
9/16	16	33	M448 1429	9311963029948				
5/8	14	33	M448 1588	9311963051123				
3/4	12	37.5	M448 1905	9311963041148				
7/8	11	42.5				M448 2223	9311963051130	
1	10	52				M448 2540	9311963029955	
G Series - BSPF (British Standard Pipe Fitting)			M452			M452		
1/8	28	23.5	M452 0973	9311963022000				
1/4	19	28	M452 1316	9311963020396				
3/8	19	33	M452 1666	9311963027340				
1/2	14	42.5	M452 2096	9311963032795				
5/8	14	42.5	M452 2291	9311963051147				
3/4	14	52				M452 2644	9311963032801	
1	11	65.5				M452 3325	9311963029962	

Dies Warragul Dies



Warragul Dies are used for cutting Taper Pipe (BSPT) and Metric Conduit external threads.

Ratchet die holder has a rugged construction. Ratchet operation is ideal for use in confined spaces.

Made from Carbon alloy Steel

Dimensions: 2.3/4" x 2.3/4" x 3/4"



Warragul Die Set



Application

- DIY
- Trade
- Automotive
- Electrician
- Plumber
- Carpenter
- General Contractor
- Woodworker
- Metalworker
- Machine Shop
- MRO

Discount Group: D0202

Size	Outside Dimensions	Item #	Barcode	Price
Metric Conduit				
16 x 1.5	2-3/8 x 2-3/8 x 3/4	2662808	9312621768803	
20 x 1.5	2-3/8 x 2-3/8 x 3/4	2662817	9312621768810	
25 x 1.5	2-3/8 x 2-3/8 x 3/4	2662826	9312621768827	
32 x 1.5	2-3/8 x 2-3/8 x 3/4	2662835	9312621768834	
16mm	No1 Warragul Die Guide	2672202	9312621769022	
20mm	No1 Warragul Die Guide	2672211	9312621769039	
25mm	No1 Warragul Die Guide	2672220	9312621769046	
32mm	No1 Warragul Die Guide	2672239	9312621769053	
Rc Series - BSPT (British Standard Pipe Taper)				
1/8 x 28	2-3/8 x 2-3/8 x 3/4	2671706	9312621768841	
1/4 x 19	2-3/8 x 2-3/8 x 3/4	2671715	9312621176882	
3/8 x 19	2-3/8 x 2-3/8 x 3/4	2671724	9312621768865	
1/2 x 14	2-3/8 x 2-3/8 x 3/4	2671733	9312621768872	
3/4 x 14	2-3/8 x 2-3/8 x 3/4	2671742	9312621768889	
1 x 11	2-3/8 x 2-3/8 x 3/4	2671751	9312621768896	
1-1/4 x 11	2-3/8 x 2-3/8 x 3/4	2671760	9312621768902	
1/8	No1 Warragul Die Guide	2672104	9312621768957	
1/4	No1 Warragul Die Guide	2672113	9312621768964	
3/8	No1 Warragul Die Guide	2672122	9312621768971	
1/2	No1 Warragul Die Guide	2672131	9312621768988	
3/4	No1 Warragul Die Guide	2672159	9312621769008	
1	No1 Warragul Die Guide	2672168	9312621769015	
Warragul Ratchet Die Holder				
2-3/8 x 2-3/8 x 3/4		3007757	9312621781833	
Warragul Die Set				
		Pieces		
W3R / BSPT	Dies: 1/2, 3/4, 1 Guides: 1/2, 3/4, 1 + Warragul Ratchet	7	3003931	9312621781420
W4AR / BSPT	Dies: 1/4, 3/8, 1/2, 3/4, 1, 1-1/4 Guides: 1/4, 3/8, 1/2, 3/4, 1 + Warragul Ratchet	12	3003959	9312621781437
22R Metric Conduit (1.5mm Pitch)	Dies: 16, 20, 25, 32 Guides: 16, 20, 25, 32 + Warragul Ratchet	9	3003904	9312621781413



Die Guide



Ratchet Die Holder

suttontools

T-Type – Useful for holding taps, reamers and other small tools to be turned by hand.

T-Type Precision – The 'Ratchet' style tap wrench offers additional functionality with its adjustable handle and two-way ratchet action.



T-Bar
For increases leverage and control

Ratchet Mechanism
Offers additional functionality and precision

Reach
Designed to reach jobs inaccessible with bar pattern tap wrench

Knurled Nut
Adjusts and tightens by turning

Application

DIY
Trade
Automotive
Plumber
Metalworker
MRO

Discount Group: D0202

Size	mm	Range	inch	Item #	Carded / Blister Barcode	Price	Item #	Box Barcode	Price
T-Type Tap Wrenches				M901					
M4	M1.6 – M4	#0 – #8					M901 0400	9311963553702	
M6	M3 – M6	1/8 – 1/4		M901 0635	93829618				
M12	M6 – M12	1/4 – 1/2		M901 1270	93829625				
Set (M6 & M12)	M3 – M12	1/8 – 1/2					M901 0002	9311963553726	
Precision T-Type Ratchet Tap Wrenches				M903					
M6	1/4	M3 – M6	1/8 – 1/4	M903 0635	9311963006826				
M12	1/2	M6 – M12	1/4 – 1/2	M903 1270	9311963006536				
M12	Long Reach - 280mm						M903 1200L	9311963553719	
Bar Type Tap Wrenches				M905			M904		
'00'	M1.5 – M6	1/16 – 1/4		M905 BT00	93829632				
'0'	M3 – M10	1/8 – 3/8		M905 BT0	93829649				
#5	M5 – M16	3/16 – 5/8					M904 BT5	9311963009599	
#6	M6 – M20	1/4 – 3/4					M904 BT6	9311963005522	
#7	M8 – M28	5/16 – 1.1/8					M904 BT7	9311963009605	
#8	M20 – M38	3/4 – 1.1/2					M904 BT8	9311963032863	
Button Die Holders				M907			M906		
1"				M907 2540	93829656				
1-1/2"							M906 3810	9311963005027	
2"							M906 5180	9311963007892	
2-1/2" (D0204)							M906 6350	9311963594675	
3" (D0204)							M906 7620	9311963594682	

Bar Type Tap Wrench

Constructed to withstand the torque applied during the tapping operation



Button Die Holders

Incorporates taper screws which allows the user to make minor adjustments to the button die, ensuring accurate thread size



Threading Thread Gauges



For measuring the pitch of external and internal threads.



Made with precision milled teeth

Clamping screw for holding the blades

Discount Group: D0202

Description	Size	Blades	Item #	Barcode	Price
Metric (60°) & Whitworth (55°)	0.25 – 6.0mm & 4 – 62 TPI	52	268MW0052	9311744436026	
Metric (60°) & Pipe (BSP 55°)	0.25 – 6.0mm & 8 – 28 TPI	30	268MG0030	9311744436019	
UNC (60°)	4 – 64 TPI	22	268UNC022	9311744436033	
UNF (60°)	12 – 80 TPI	16	268UNF016	9311744436040	



M500 M12



M500 M16



M500 M26



M500 M35



M500 M46



M500 NC12



M500 NC25



M500 NC35



M500 NF35



M500 W15



M500 W35

suttontools

Available in a selection of modular set configurations, in both metric and imperial.

Tools are manufactured from carbon alloy steel which are suitable for general purpose/DIY use only. Not suitable for precision, safety or critical threads.



Layout Chart
Quickly and easily identifies location of items

Metal Case
Solid construction, ideal for storage and transportation of your tools

Slim Line Design
Fits comfortably into tool chest, drawers and work bench

Discount Group: D0802

Set	Contents	Tap Wrench	Button Die Holders	Pieces	Item #	Barcode	Price
M500							
TD14 Metric Intermediate Taps 1" Button Dies	M6 x 1.0, M8 x 1.25, M10 x 1.25, M10 x 1.5, M12 x 1.75mm	'0' Bar Type	1"	12	M500 M12	9311963419534	
T&D-1 Metric Intermediate Taps 1" Button Dies	Packaging: Foam M3 x 0.5, M4 x 0.7, M5 x 0.8, M6 x 1, M8 x 1.25, M10 x 1.5, M12 x 1.75mm	#0 Bar Type	1"	16	M500 M16	9311963333410	
TD10 Metric Taper Taps Bottoming Taps 1" Button Dies	M2 x 0.4, M2.5 x 0.45, M3 x 0.5, M3.5 x 0.6, M4 x 0.7, M4.5 x 0.75, M5 x 0.8, M6 x 1mm	'00' Bar Type	1"	26	M500 M26	9311963419558	
TD12 Metric Taper Taps Bottoming Taps 1" Button Dies	M6 x 1, M8 x 1.25, M10 x 1.5, M12 x 1.75, M14 x 2*, M16 x 2*, M18 x 2.5*, M20 x 2.5mm*, M22 x 2.5*, M24 x 3*mm, Bonus Thread Pitch Gauge	'0' & #7 Bar Type	1" & 2"	35	M500 M35	9311963027371	
TD13 Metric Taper Taps Bottoming Taps 1" Button Dies	M2 x 0.4, M2.5 x 0.45, M3 x 0.5, M3.5 x 0.6, M4 x 0.7, M4.5 x 0.75, M5 x 0.8, M6 x 1, M7 x 1, M8 x 1.25, M9 x 1.25, M10 x 1.5, M11 x 1.5, M12 x 1.75mm, Bonus Thread Pitch Gauge	'00' & '0' Bar Type	1"	46	M500 M46	9311963419565	
TD0 UNC Intermediate Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2inch	'0' Bar Type	1"	12	M500 NC12	9311963419527	
TD5 UNC Taper Taps Bottoming Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2, 5/8*, 3/4inch*, Bonus Thread Pitch Gauge	#6 Bar Type	1" & 2"	25	M500 NC25	9311963027388	
STD8 UNC Taper Taps Bottoming Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2, 9/16*, 5/8*, 3/4*, 7/8*, 1inch*, Bonus Thread Pitch Gauge	'0' & #7 Bar Type	1" & 2"	35	M500 NC35	9311963036632	
STD8 UNF Taper Taps Bottoming Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2, 9/16*, 5/8*, 3/4*, 7/8*, 1inch*, Bonus Thread Pitch Gauge	'0' & #7 Bar Type	1" & 2"	35	M500 NF35	9311963051260	
TD2A BSW Intermediate Taps 1" Button Dies	1/8, 5/32, 3/16, 1/4, 5/16, 3/8inch, Bonus Thread Pitch Gauge	'0' Bar Type	1"	15	M500 W15	9311963419541	
STD8 BSW Taper Taps Bottoming Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2, 9/16*, 5/8*, 3/4*, 7/8*, 1inch*, Bonus Thread Pitch Gauge	'0' & #7 Bar Type	1" & 2"	35	M500 W35	9311963036649	

*Button Dies for these sizes have 2 inch outer diameter



M500 MMF47



M500 NCF52



M500 WM52



M500 WNF52



M500 NFM33



M500 NFM52



M551 M18



M561 NC18



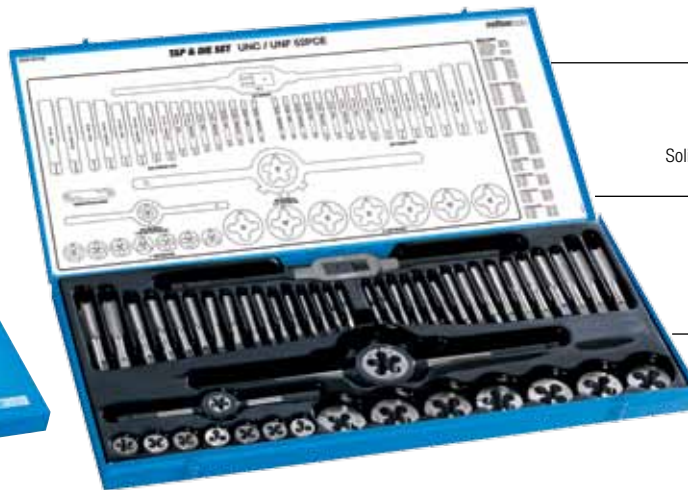
M564 NF18

Threading Carbon, Tap & Die Sets

suttontools

Available in a selection of modular set configurations, in both metric and imperial.

Tools are manufactured from carbon alloy steel which are suitable for general purpose/DIY use only. Not suitable for precision, safety or critical threads.



Layout Chart
Quickly and easily identifies location of items

Metal Case
Solid construction, ideal for storage and transportation of your tools

Slim Line Design
Fits comfortably into tool chest, drawers and work bench

Discount Group: D0802

Set	Contents	Tap Wrench	Button Die Holders	Pieces	Item #	Barcode	Price
M500							
SCTD9 Metric Coarse/Fine Taper Taps Bottoming Taps 1" Button Dies Intermediate Taps	M6 x 1, M7 x 1, M8 x 1.25, M10 x 1.5, M12 x 1.75, MF8 x 1, MF10 x 1.25, MF12 x 1.5, M14 x 2*, M16 x 2*, M18 x 2.5*, MF14 x 1.5*, MF16 x 1.5*, MF18 x 1.5mm*, Bonus Thread Pitch Gauge M14 x 1.25mm	#6 Bar Type	1" & 2"	47	M500 MMF47	9311963027395	
SCTD1 UNC/UNF Taper Taps Bottoming Taps 1" Button Dies	UNC & UNF 1/4, 5/16, 3/8, 7/16, 1/2*, 9/16*, 5/8*, 3/4mm*, Bonus Thread Pitch Gauge	#6 Bar Type	1" & 2"	52	M500 NCF52	9311963019123	
CTD1 BSW/Metric Coarse Taper Taps Bottoming Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2*, 9/16*, 5/8*, 3/4* M6 x 1, M8 x 1.25, M10 x 1.5, M12 x 1.75, M14 x 2*, M16 x 2*, M18 x 2.5*, M20 x 2.5mm*, Bonus Thread Pitch Gauge	#6 Bar Type	1" & 2"	52	M500 WM52	9311963419572	
CTD4 BSW/UNF Taper Taps Bottoming Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2*, 9/16*, 5/8*, 3/4inch*, Bonus Thread Pitch Gauge	#6 Bar Type	1" & 2"	52	M500 WNF52	9311963419589	
CTD10 UNF/Metric Coarse Taper Taps Bottoming Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2, M6 x 1, M7 x 1, M8 x 1.25, M10, x 1.5, M12 x 1.75mm, Bonus Thread Pitch Gauge	#5 Bar Type	1"	33	M500 NFM33	9311963419596	
CTD11 UNF/Metric Coarse Taper Taps Bottoming Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2, M6 x 1, M7 x 1, M8 x 1.25, M10, x 1.5, M12 x 1.75, 9/16*, 5/8*, 3/4*, M14 x 2*, M16 x 2*, M18 x 2.5mm*, Bonus Thread Pitch Gauge	#6 Bar Type	1" & 2"	52	M500 NFM52	9311963419602	

Threading HSS, Tap & Die Sets

Discount Group: D0204

Set	Contents	Tap Wrench	Button Die Holders	Pieces	Item #	Barcode	Price
Metric Intermediate Taps 1" Button Dies	M3 x 0.5, M4 x 0.7, M5 x 0.8, M6 x 1.0, M8 x 1.25, M10 x 1.5, M12 x 1.75 Bonus Thread Pitch Gauge	#0 Bar-Type	1"	18	M551 M18	9311963596662	
UNC Intermediate Taps 1" Button Dies	#8, #10, 1/4, 5/16, 3/8, 7/16, 1/2 Bonus Thread Pitch Gauge	#0 Bar-Type	1"	18	M561 NC18	9311963596679	
UNF Intermediate Taps 1" Button Dies	#8, #10, 1/4, 5/16, 3/8, 7/16, 1/2 Bonus Thread Pitch Gauge	#0 Bar-Type	1"	18	M564 NF18	9311963596686	

Threading DIY Range



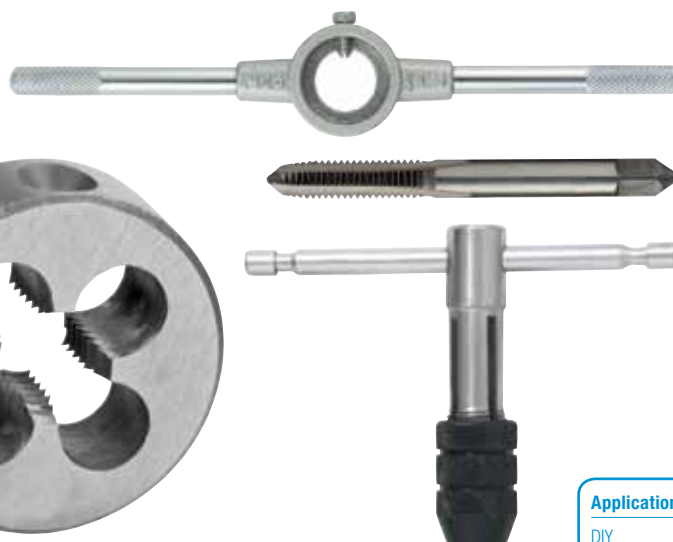
T-Type – Useful for holding taps, reamers and other small tools to be turned by hand.



92198



92202



Application
DIY

Discount Group: D0802

Set	Contents	Pieces	Item #	Barcode	Price
Hand Taps					
Tap Set – Metric	Intermediate taps: M5 x 0.8, M6 x 1.0, M8 x 1.25	3	92196	9312621921963	
Tap Set – Imperial	Intermediate taps: 5/16, 1/4, 3/16"	3	92197	9312621921970	
Tap Wrench 1/4"	Suitable for M3 – M6	1	92200	9312621922007	
Tap Wrench 1/2"	Suitable for M7 – M12	1	92201	9312621922014	
Button Dies					
1" Button Die – Metric	M5 x 0.8, M6 x 1.0, M8 x 1.25	3	92198	9312621921987	
1" Button Die – Imperial	UNC 3/16", 1/4", 5/16"	3	92199	9312621921994	
Button Die Holder	1" Die Holder	1	92202	9312621922021	
Tap & Die Sets					
Tap & Die Set – Metric					
Taps – Intermediate & 1" Button Dies:	M2 x 0.4, M2.5 x 0.45, M3 x 0.5, M3.5 x 0.5, M3.5 x 0.6, M4 x 0.7, M4.5 x 0.75, M5 x 0.87, M6 x 1.0, M7 x 0.75, M7 x 1.0, M8 x 1.0, M8 x 1.25, M10 x 1.25, M10 x 1.5, M12 x 1.5, M12 x 1.75, 1/8 BSPT 28	40	394098025	9311963396828	
Tap Wrenches:	T & Bar Type Tap Wrench				
Button Die Holder:	1" Die Holder				
Bonus:	Screw pitch gauge & Screwdriver				
Tap & Die Set – Imperial					
UNC Taps – Intermediate & 1" Button Dies:	4 - 40, 6 - 32, 8 - 32, 10 - 24, 12 - 24, 1/4 - 20, 5/16 - 18, 3/8 - 16, 7/16 - 14, 1/2 - 13	40	394098026	9311963414577	
UNF Taps – Intermediate & 1" Button Dies:	10 - 32, 1/4 - 28, 5/16 - 24, 3/8 - 24, 7/16 - 20, 1/2 - 20				
NPT Taps – Intermediate & 1" Button Dies:	1/8 - 27				
Tap Wrenches:	T & Bar Type Tap Wrench				
Button Die Holder:	1" Die Holder				
Bonus:	Screw pitch gauge & Screwdriver				
Tap & Die Set – Metric					
Taps & Dies:	M3 x 0.5, M4 x 0.7, M5 x 0.8, M6 x 1.0, M7 x 0.75, M7 x 1.0, MF8 x 1.0, M8 x 1.25, MF10 x 1.25, M10 x 1.5, MF12 x 1.5, M12 x 1.75	30	92726	9312621927262	
Tap Wrenches:	T-Type Tap Wrench (M3 to M6) & Bar-Type Tap Wrench (M3 to 12)				
Button Die Holder:	1" Die Holder				
Bonus:	Screw pitch gauge 12 pitches & Screwdriver				
Tap & Die Set – Imperial					
Taps & Dies:	#8 - 32NC, 10 - 32NF, 1/4 - 20NC, 1/4 - 28NF, 5/16 - 18NC, 5/16 - 24NF, 3/8 - 16NC, 3/8 - 24NF, 7/16 - 20NF, 7/16 - 14NC, 1/2 - 20NF, 1/2 - 13NC	30	92727	9312621927279	
Tap Wrenches:	T-Type Tap Wrench (1/8 to 1/4") & Bar-Type Tap Wrench (#8 to 1/2")				
Button Die Holder:	1" Die Holder				
Bonus:	Screw pitch gauge 12 pitches & Screwdriver				

NEW

NEW



92196



92200



394098025



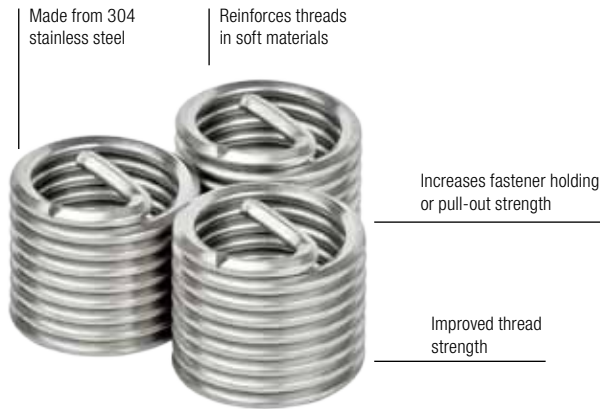
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Check out the demo

suttontools **FIX-A-THRED®**

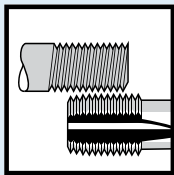
Sutton Tools Fix-A-Thred® thread inserts restore damaged internal threads back to original size. This high quality thread system protects against failure due to stripping, seizing, corrosion, temperature and wear. Ideal for automotive, truck, motorcycle, marine, garden equipment, machinery and more.



Discount Group: D0106

Size	Pitch/TPI	Thread depth	# Inserts	Drill Ø	Item #	Barcode	Price
Fix-A-Thred® Thread Repair Kit							
Contents: Stainless Steel thread inserts, STI carbon tap (Screw Thread Insert), 3-way installation tool							
Metric					M150		
5	0.8	1.5 x Ø	12	5.2	M150 0500	9311963604411	
6	1	1.5 x Ø	12	6.3	M150 0600	9311963603681	
8	1.25	1.5 x Ø	12	8.3	M150 0800	9311963603698	
10	1.5	1.5 x Ø	12	10.4	M150 1000	9311963603704	
12	1.75	1.5 x Ø	6	12.4	M150 1200	9311963604428	
Metric Fine					M151		
10	1.25	1.5 x Ø	12	10.3	M151 1006	9311963604435	
12	1.25	1.5 x Ø	6	12.3	M151 1206	9311963604442	
14	1.5	1.5 x Ø	6	14.3	M151 1407	9311963604459	
UNC					M152		
1/4	20	1.5 x Ø	12	6.7	M152 0635	9311963604466	
5/16	18	1.5 x Ø	12	8.3	M152 0794	9311963604473	
3/8	16	1.5 x Ø	12	9.9	M152 0953	9311963604480	
1/2	13	1.5 x Ø	6	13.0	M152 1270	9311963604497	

Installation Guide



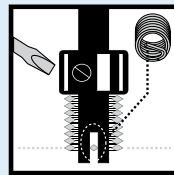
1. Match thread and pitch of the tap to the bolt you wish to use on the finished hole before drilling.



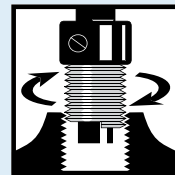
2. Drill to clear the damaged thread using the recommended tapping drill size.



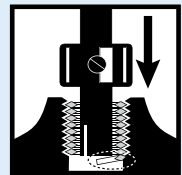
3. Fit STI tap to the installation tool and cut the holding thread to the required depth for the thread insert.



4. Place the thread insert half way up the slot of installation tool with the tang facing downwards. Flush collar to the insert and tighten.



5. Wind the insert into the threaded hole applying light downward pressure until the top coil is 1/4 to 1/2 turn below the surface.



6. Using the blunt edge of the installation tool, tap down sharply to break insert tang.

Insert / Bolt Size	Drill Ø	Drill Depth (min)	Tap Depth (min)	Insert Depth (1.5 x Ø)
M5 x0.8	5.2 (13/64)	11.1	10.3	7.5
M6 x1	6.3 (1/4)	13.5	12.5	9
M8 x1.25	8.3 (21/64)	17.62	16.37	12
M10 x1.5	10.4 (13/32)	21.75	20.25	15
M12 x1.75	12.4	25.87	24.12	18
MF10 x1.25	10.3 (13/32)	20.62	19.37	15
MF12 x1.25	12.3 (31/64)	23.62	22.37	18
MF14 x1.5	14.3 (9/16)	27.75	26.25	21
UNC 1/4 -20	6.7 (17/64)	15.24	13.97	9.5
UNC 5/16 -18	8.3 (21/64)	18.24	16.84	12
UNC 3/8 -16	9.9 (25/64)	21.44	19.84	14.25
UNC 1/2 -13	13.0	27.84	25.88	19

Helpful Hints

- For deeper holes, or where higher strength is required, inserts can be stacked. Insert length is 1.5 times diameter
- Use Sutton Tools Venom cutting fluid (item# M8000250) when tapping to improve surface finish
- Do not work against the thread direction
- For spark plug port repairs use long needle nose pliers to remove the tang



suttontools

Sutton Tools Fix-A-Thred® Plugsaver® thread inserts are designed to permanently repair any taper and gasket seat MF14 x1.25 spark plug ports. It is suitable for mechanics and engine rebuilders in most engine types including automotive, motorcycle, marine & outdoor motorised equipment. The solid steel inserts mechanical locking system ensures permanent installation in any alloy or cast iron head.



Solid inserts in three lengths to suit most common spark plug reaches

No drill required



Suits alloy and cast iron ports

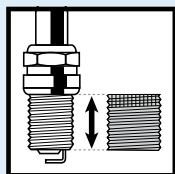
Discount Group: D0106

Size	Pitch	Thread depth	# Inserts	Item #	Barcode	Price
Fix-A-Thred® Plugsaver® Spark Plug Repair Kit						
Contents: Solid steel thread inserts, Pilot-nose carbon spark plug tap, Expansion tool						
					M153	
14	1.25	7.5, 10.5 & 16.5mm	3	M153 1406	9311963603711	

Installation Guide



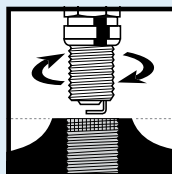
1. Use a socket wrench to tap hole to entire depth of port. Remove chips from hole.



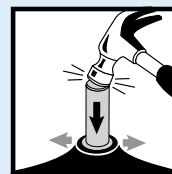
2. Select appropriate insert length to match the thread length of spark plug.



3. Coat outside of insert with a high-temperature RTV silicone then screw insert into the threaded hole with the knurled end of the insert facing upwards.



4. Use the spark plug to drive the insert in until the insert is flush with the top of the threaded hole. Once seated, wind spark plug out.



5. Place the expansion tool into the insert and hit several times to expand the knurl. Install spark plug to recommended torque.

Helpful Hints:

- Use a spark plug to drive the insert into the port in difficult to reach applications
- Use Sutton Tools Venom cutting paste (item# M8000400) when tapping to improve surface finish
- Do not work against the thread direction

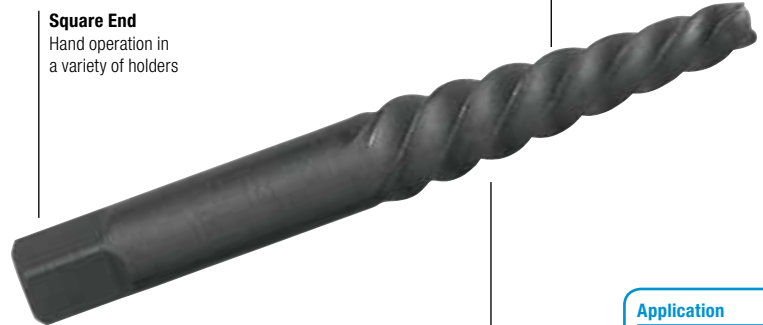
Warning: It is important that no foreign material enters the combustion chamber. We recommend the head be removed from the engine prior to repair.

Pilot nose spark plug taps require no pre-drilling

Threading Screw Extractors

suttontools

Designed to remove broken studs, bolts, socket screws and fittings. Made from chrome steel.



Square End
Hand operation in a variety of holders

Aggressive Left Hand Spiral
For extra gripping power

Spiral Flutes
Designed to embed themselves deeper, therefore as fastener resistance increases the extractor's grip increases

Application
DIY
Trade
Automotive
Plumber
Machine Shop
MRO

Discount Group: D0302

Size	Drill Size	Screw / Bolt Size Range	Qty	Item #	Barcode	Price
Carded						
M600						
# 1	2.0	M4 – M5 5/32 – 3/16	1	M600 0001	93829663	
# 2	3.0	M6 – M8 7/32 – 1/4	1	M600 0002	93829670	
# 3	4.0	M8 – M10 5/16 – 3/8	1	M600 0003	93829687	
# 4	5.5	M10 – M14 3/8 – 1/2	1	M600 0004	93829694	
# 5	7.5	M14 – M20 9/16 – 3/4	1	M600 0005	93829700	
Bulk						
M601						
# 1	2.0	M4 – M5 5/32 – 3/16	10	M601 0001	9311963005737	
# 2	3.0	M6 – M8 7/32 – 1/4	10	M601 0002	9311963008226	
# 3	4.0	M8 – M10 5/16 – 3/8	5	M601 0003	9311963007038	
# 4	5.5	M10 – M14 3/8 – 1/2	5	M601 0004	9311963008233	
# 5	7.5	M14 – M20 9/16 – 3/4	5	M601 0005	9311963009148	
# 6	10.5	M20 – M27 7/8 – 1	1	M601 0006	9311963072227	
# 7	13.5	M27 – M36 1 – 1-1/2	1	M601 0007	9311963072234	
# 8	20.0	M36 – M48 1-3/8 – 1-3/4	1	M601 0008	9311963072241	
# 9	27.0	M48 – M56 1-3/4 – 2-1/8	1	M601 0009	9311963072258	
Screw Extractor and Stub Drill Sets						
M602						
# 1	2.0	M4 – M5 5/32 – 3/16	1	M602 0001	9311963344348	
# 2	3.0	M6 – M8 7/32 – 1/4	1	M602 0002	9311963344355	
# 3	4.0	M8 – M10 5/16 – 3/8	1	M602 0003	9311963344362	
# 4	5.5	M10 – M14 3/8 – 1/2	1	M602 0004	9311963344379	
# 5	7.5	M14 – M20 9/16 – 3/4	1	M602 0005	9311963344386	
Screw Extractor Sets						
M603						
S15	# 1 – # 5 screw ext.		5	M603 S15	9311963003191	
S15A	# 1 – # 6 screw ext.		6	M603 S15A	9311963004105	
S20	# 1 – # 5 screw ext. combination drill set includes jobber drills: 2.0, 3.0, 4.0, 5.5, 7.5mm		10	M603 S20	9311963075747	
S20L	# 1 – # 5 screw ext. combination drill set includes left hand cobalt jobber drills: 2.0, 3.0, 4.0, 5.5, 7.5mm		10	M603 S20L	9311963600956	



M603 S15



Discount Group: D0302

Description	Screw / Bolt Size	Qty	Item #	Barcode	Price
Screw Extractor Set – 5 Piece	3 – 6, 6 – 8, 8 – 11, 11 – 14, 14 – 18mm bolts	5	92369	9312621923691	



Grabit SelectSeries

The Complete Broken Bolt Solution



Grabit®

The Easy Way to Remove Damaged Screws

- Suitable for DIY to extract broken screws.
- Made from high alloy steel.
- For screws up to 75mm long and 30HRc.
- Can be used with a quick change chuck.



Grabit® Pro

Pro-Grade Damaged Screw & Bolt Remover

- Suitable for serious DIY and trade to extract damaged bolts and screws.
- Made from High Speed Steel.
- For screws up to 75mm long and 42HRc.
- Precision engineered for multiple extractions and maximum performance.
- Self centering drill tip, works on jagged, uneven rough breaks. No grinding or centre punching required.
- Can drill into Grade 8 bolts.
- Can be used with a quick change chuck.



Grabit Drill-Out

Industrial Grade Damaged Bolt Remover

- Made from High Speed Steel.
- For bolts up to 42HRc.
- Collet/extractor made from hot work die steel, providing strength & flexibility.
- Precision engineered for multiple extractions and maximum performance.
- Self centering drill tip, works on jagged, uneven rough breaks. No grinding or center punching required.
- Can drill into Grade 8 bolts.
- Bell-shaped drill head allows tool to be pivoted inside drill hole helping to stay on center.
- Drill bit and extractor (collet) are on the same end of the tool.
- Unique extractor design provides maximum impact and break-out-ability.

* Remove any waste material before using extractor end to avoid tool binding with bolt.



Grabit® Micro

Remove Small Bolts with Ease

- Suitable for serious DIY and trade to extract small damaged bolts.
- Made from High Speed Steel.
- For bolts up to 42HRc.
- Precision engineered for multiple extractions and maximum performance.
- Self centering drill tip, works on jagged, uneven rough breaks. No grinding or center punching required.
- Can drill into Grade 8 bolts.

* Remove any waste material before using extractor end to avoid tool binding with bolt.

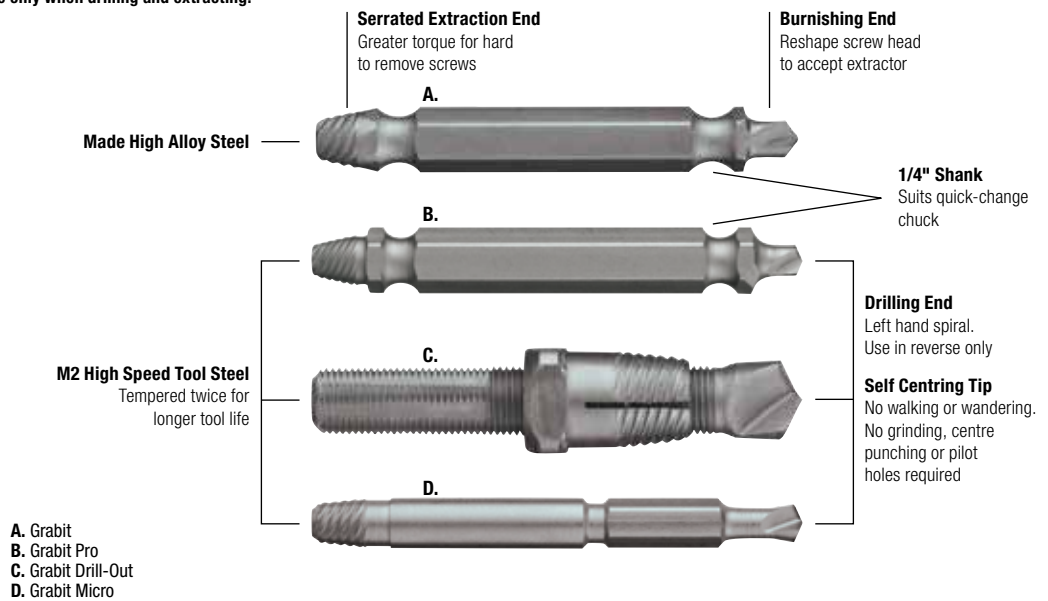
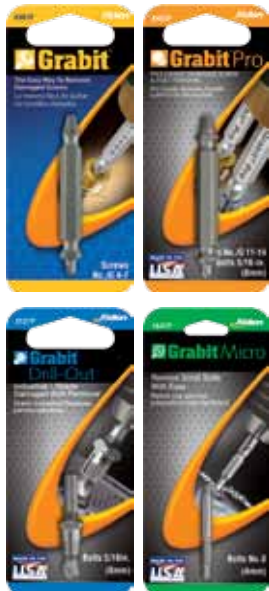
	Screw Sizes								Bolt / Metal Thread Size (Imp.)					Bolt / Metal Thread Size (Metric)							
	4G	5G	6-7G	8G	9-10G	11-12G	14G	16-24G	3/16	1/4	5/16	3/8	1/2	M3	M4	M5	M6	M8	M10	M12	
8501P	•	•	•																		
8502P				•	•																
8503P						•	•														
8401P	•	•	•						•							•					
8402P				•	•					•						•					
8403P						•	•				•					•					
8404P								•				•							•		
2507P									•							•					
3127P											•						•				
3757P												•							•		
5007P													•							•	
1257P														•							
1647P															•						
1907P									•							•					
2367P										•							•				

Grabit SelectSeries

Designed to remove broken screws and bolts.

Burnishing (drilling) and extractor in one tool. Burnishing end reshapes inside damaged head of screw, flip tool and extract. Serrations on extracting end of tool result in greater torque for hard to remove screws & bolts.

Note: Power tool must be used in reverse only when drilling and extracting.



Discount Group: D0302

Description	Screw Size	Bolt / Metal Thread Size Imperial	Metric	Pieces	Item #	Barcode	Price
Grabit – Screw Extractor (Hardened Steel)							
#1	4 – 7G	-	-	1	8501P	727708085015	
#2	8 – 10G	-	-	1	8502P	727708085022	
#3	11 – 14G	-	-	1	8503P	727708085039	
2 Piece Set (#2, #3)	8 – 14G	-	-	2	8520P	727708085206	
3 Piece Set (#1, #2, #3)	4 – 14G	-	-	3	8530P	727708085305	
Combo Set							
Grabit (#1, #2)	4 – 10G			6	6280P	727708062801	
Drill-Out (5/16, 3/8)		5/16 – 3/8					
Micro (#1, #2)			M8 – 10, M3 – 4				
Grabit Pro – Screw & Bolt Extractor (HSS)							
#1	4 – 7G	3/16	M5	1	8401P	727708084018	
#2	8 – 10G	1/4	M6	1	8402P	727708084025	
#3	11 – 14G	5/16	M8	1	8403P	727708084032	
#4	16 – 24G	3/8	M10	1	8404P	727708084049	
2 Piece Set (#1, #2)	4 – 10G	3/16 – 1/4	M5 – 6	2	8420P	727708084209	
3 Piece Set (#1, #2, #3)	4 – 14G	3/16 – 5/16	M5 – 8	3	8430P	727708084308	
4 Piece Set (#1, #2, #3, #4)	4 – 24G	3/16 – 3/8	M5 – 10	4	8440P	727708084407	
Grabit Drill Out – Large Bolt Extractor (HSS)							
1/4	-	1/4	M6	1	2507P	727708025073	
5/16	-	5/16	M8	1	3127P	727708031272	
3/8	-	3/8	M10	1	3757P	727708037571	
1/2	-	1/2	M12	1	5007P	727708050075	
4 Piece Set (1/4, 5/16, 3/8, 1/2)	-	1/4 – 1/2	M6 – 12	4	4017P	727708040175	
Grabit Micro – Small Bolt Extractor (HSS)							
#1	-	-	M3	1	1257P	727708012578	
#2	-	-	M4	1	1647P	727708016477	
#3	-	3/16	M5	1	1907P	727708019072	
#4	-	1/4	M6	1	2367P	727708023673	
4 Piece Set (#1, #2, #3, #4)	-	3/16 – 1/4	M3 – 6	4	4507P	727708045071	

