



suttontools

THREADING

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



THREADING

Threading Index

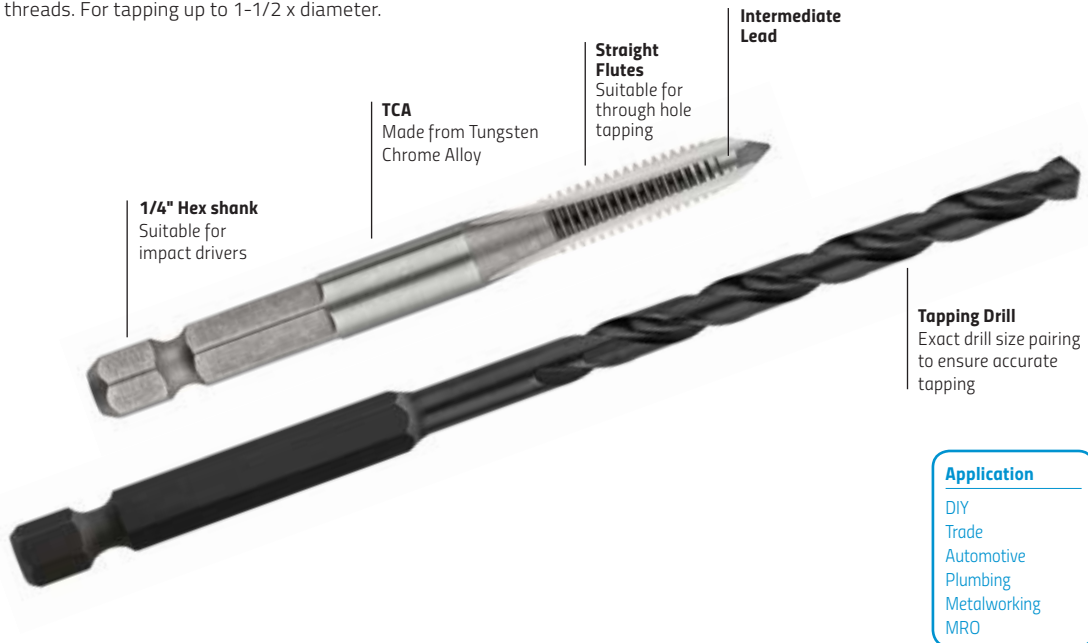
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192	Taps Carbon – BSW		
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Designed for use in impact drivers for extremely fast tapping speed (3 seconds) in excess of 20x faster than hand tapping. Suitable for steel, aluminium, brass, cast iron, 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.



**20X
FASTER***



Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO

Discount Group: D0502

Size	Pitch	Shank Size	Drill Ø	Item #	Barcode	List Price
M105						
M3	0.5	1/4	2.5mm	M105 0300	9311963600840	\$30.18
M4	0.7	1/4	3.3mm	M105 0400	9311963600857	\$32.51
M5	0.8	1/4	4.2mm	M105 0500	9311963600864	\$34.83
M6	1	1/4	5.0mm	M105 0600	9311963600871	\$37.16
M8	1.25	1/4	6.8mm	M105 0800	9311963600888	\$63.90
M10†	1.5	1/4	8.5mm†	M105 1000	9311963607412	\$16.49
M12†	1.75	1/4	10.2mm†	M105 1200	9311963607429	\$21.49

†Drill not included - M10 and M12

* Compared with hand tapping

Sutton Tools HSS Taps are made in Australia for trusted quality. Suitable for general purpose use in hand or machine operations and depths up to 1 x Ø.

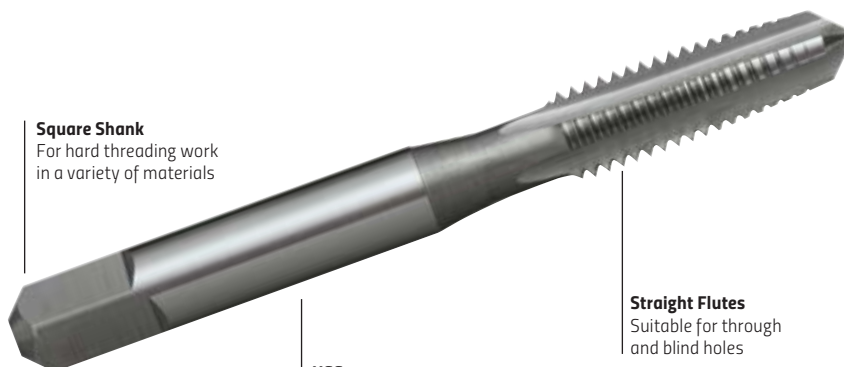
Tap Cut

A variety of leads are available to suit various requirements



Square Shank

For hard threading work in a variety of materials

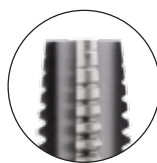


Straight Flutes

Suitable for through and blind holes

HSS

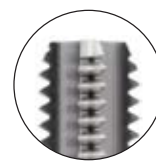
Made from High Speed Steel



Taper



Intermediate



Bottoming

Discount Group: D0702

Size	Pitch/ TPI	O/A Length	Flute Length	Drill Ø	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
Metric					T820			T821			T822		
M3	x0.5	48	11	2.5	T820 0300	9311963611839	\$22.45	T821 0300	9311963611846	\$22.45	T822 0300	9311963611853	\$22.45
M4	x0.7	53	13	3.3	T820 0400	9311963611860	\$19.48	T821 0400	9311963611877	\$19.48	T822 0400	9311963611884	\$19.48
M5	x0.8	58	16	4.2	T820 0500	9311963611891	\$21.69	T821 0500	9311963611907	\$21.69	T822 0500	9311963611914	\$21.69
M6	x1.0	66	19	5	T820 0600	9311963611921	\$22.45	T821 0600	9311963611938	\$22.45	T822 0600	9311963611945	\$22.45
M8	x1.25	72	22	6.8	T820 0800	9311963611952	\$23.51	T821 0800	9311963611969	\$23.51	T822 0800	9311963611976	\$23.51
M10	x1.5	80	24	8.5	T820 1000	9311963611983	\$32.00	T821 1000	9311963611990	\$32.00	T822 1000	9311963612003	\$32.00
M12	x1.75	89	29	10.2	T820 1200	9311963612010	\$47.40	T821 1200	9311963612027	\$47.40	T822 1200	9311963612034	\$47.40
Unified National Coarse (UNC)					T823			T824			T825		
#10	24	58	16	3.8	T823 0483	9311963612041	\$23.25	T824 0483	9311963612058	\$23.25	T825 0483	9311963612065	\$23.25
1/4	20	66	19	5.1	T823 0635	9311963612072	\$22.19	T824 0635	9311963612089	\$22.19	T825 0635	9311963612096	\$22.19
5/16	18	72	22	6.6	T823 0794	9311963612102	\$23.25	T824 0794	9311963612119	\$23.25	T825 0794	9311963612126	\$23.25
3/8	16	80	24	8	T823 0953	9311963612133	\$32.00	T824 0953	9311963612140	\$32.00	T825 0953	9311963612157	\$32.00
7/16	14	85	25	9.4	T823 1111	9311963612164	\$42.47	T824 1111	9311963612171	\$42.47	T825 1111	9311963612188	\$42.47
1/2	13	89	29	10.8	T823 1270	9311963612195	\$47.58	T824 1270	9311963612201	\$47.58	T825 1270	9311963612218	\$47.58
Rc Series – British Standard Pipe Taper (BSPT)											T826		
1/8	28	59	15	8.4							T826 0973	9311963612225	\$87.01
1/4	19	67	19	10.8							T826 1316	9311963612232	\$94.15
3/8	19	75	21	14.5							T826 1666	9311963612249	\$145.06
1/2	14	87	26	18							T826 2096	9311963612256	\$163.26
3/4	14	96	28	23							T826 2644	9311963612263	\$202.98
National Pipe Taper (NPT)											T827		
1/8	27	54	19	8.2							T827 1029	9311963612270	\$68.15
1/4	18	62	27	10.8							T827 1372	9311963612287	\$96.00
3/8	18	65	27	14							T827 1715	9311963612294	\$145.06
1/2	14	79	35	17.5							T827 2134	9311963612300	\$166.65
3/4	14	82	35	23							T827 2667	9311963612317	\$206.67

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

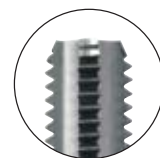
Straight Flutes
Suitable for through hole tapping



Taper



Intermediate



Bottoming

Discount Group: D0502

Size	Pitch / TPI	Drill Ø	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
Metric ISO Coarse			M100			M101			M102		
M3	0.5	2.5	M100 0300	9311963420097	\$14.22	M101 0300	9311963420103	\$14.22	M102 0300	9311963420110	\$14.22
M4	0.7	3.3	M100 0400	9311963076850	\$14.22	M101 0400	93829137	\$14.22	M102 0400	9311963076867	\$14.22
M5	0.8	4.2	M100 0500	9311963076874	\$10.00	M101 0500	93829151	\$10.00	M102 0500	9311963076881	\$10.00
M6	1.0	5	M100 0600	9311963076898	\$10.00	M101 0600	93829168	\$10.00	M102 0600	9311963076904	\$10.00
M8	1.25	6.8	M100 0800	9311963076935	\$10.55	M101 0800	93829182	\$10.55	M102 0800	9311963076942	\$10.55
M10	1.5	8.5	M100 1000	9311963076959	\$13.04	M101 1000	93829199	\$13.04	M102 1000	9311963076966	\$13.04
M12	1.75	10.2	M100 1200	9311963076973	\$16.22	M101 1200	93829205	\$16.22	M102 1200	9311963076980	\$16.22
BSW (British Standard Whitworth)						M117					
1/8	40	2.55				M117 0318	93829007	\$12.12			
5/32	32 WHIT	3.2				M117 0397	93829014	\$11.84			
3/16	24	3.7				M117 0476	93829021	\$8.68			
1/4	20	5.1				M117 0635	93829038	\$9.12			
5/16	18	6.5				M117 0794	93829045	\$10.22			
3/8	16	7.9				M117 0953	93829052	\$11.84			
1/2	12	10.5				M117 1270	93829076	\$16.58			

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
Plumbing
Metalworking
MRO

Discount Group: D0502

Metric Group: ISO Coarse			Taper		Intermediate		Bottoming		Set of 3	
Size	Pitch	Drill Ø	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
Metric ISO Coarse			M200		M201		M202		M203	
M2	0.4	1.6	M200 0200	\$8.68			M202 0200	\$8.68		
M2.5	0.45	2.05	M200 0250	\$8.68			M202 0250	\$8.68		
M3	0.5	2.5	M200 0300	\$13.46	M201 0300	\$13.46	M202 0300	\$13.46	M203 0300	\$40.35
M3.5	0.6	2.9	M200 0350	\$13.46			M202 0350	\$13.46		
M4	0.7	3.3	M200 0400	\$13.46	M201 0400	\$13.46	M202 0400	\$13.46	M203 0400	\$40.35
M4.5	0.75	3.7	M200 0450	\$9.07			M202 0450	\$9.07		
M5	0.8	4.2	M200 0500	\$9.21	M201 0500	\$9.21	M202 0500	\$9.21	M203 0500	\$24.62
M6	1.0	5	M200 0600	\$9.21	M201 0600	\$9.21	M202 0600	\$9.21	M203 0600	\$24.62
M7	1.0	6	M200 0700	\$9.53	M201 0700	\$9.53	M202 0700	\$9.53	M203 0700	\$28.51
M8	1.25	6.8	M200 0800	\$9.54	M201 0800	\$9.54	M202 0800	\$9.54	M203 0800	\$28.67
M9	1.25	7.8	M200 0900	\$12.46			M202 0900	\$12.46		
M10	1.5	8.5	M200 1000	\$12.28	M201 1000	\$12.28	M202 1000	\$12.28	M203 1000	\$36.82
M11	1.5	9.5	M200 1100	\$15.44			M202 1100	\$15.44		
M12	1.75	10.2	M200 1200	\$15.83	M201 1200	\$15.83	M202 1200	\$15.83	M203 1200	\$47.50
M14	2.0	12	M200 1400	\$22.70	M201 1400	\$22.70	M202 1400	\$22.70	M203 1400	\$68.11
M16	2.0	14	M200 1600	\$29.67	M201 1600	\$29.67	M202 1600	\$29.67	M203 1600	\$88.98
M18	2.5	15.5	M200 1800	\$35.37	M201 1800	\$35.37	M202 1800	\$35.37	M203 1800	\$106.10
M20	2.5	17.5	M200 2000	\$34.80	M201 2000	\$34.80	M202 2000	\$34.80	M203 2000	\$104.40
M22	2.5	19.5	M200 2200	\$45.81	M201 2200	\$45.81	M202 2200	\$45.81	M203 2200	\$137.47
M24	3.0	21	M200 2400	\$90.10	M201 2400	\$90.10	M202 2400	\$90.10	M203 2400	\$270.27
M27	3.0	24	M200 2700	\$119.79	M201 2700	\$119.79	M202 2700	\$119.79		
M30	3.5	26.5	M200 3000	\$131.25	M201 3000	\$131.25	M202 3000	\$131.25		
M33	3.5	29.5	M200 3300	\$184.17	M201 3300	\$184.17	M202 3300	\$184.17		
M36	4.0	32	M200 3600	\$213.41	M201 3600	\$213.41	M202 3600	\$213.41		

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

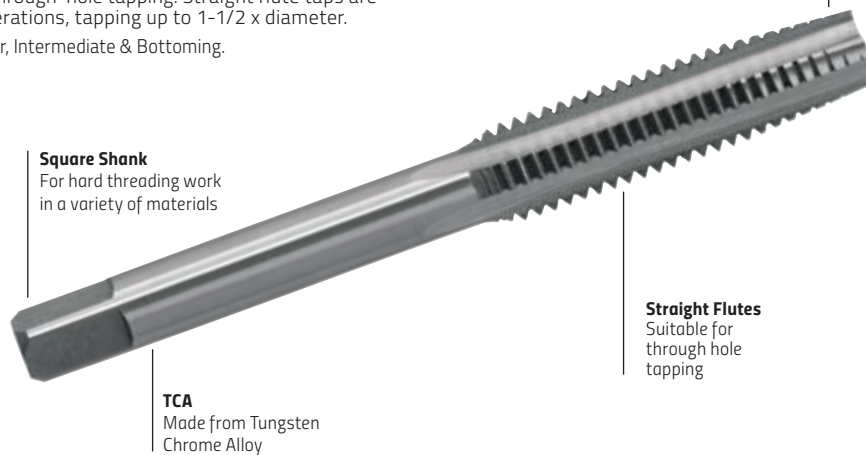
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Set comprises 1 each – Taper, Intermediate & Bottoming.

Top Cut

A variety of leads are available to suit various requirements



Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO

Discount Group: D0502

Size	Pitch	Drill Ø	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
Metric Fine			M204		M205		M206		M207	
MF8	1.0	7	M204 0805	\$9.53	M205 0805	\$9.53	M206 0805	\$9.53	M207 0805	\$28.58
MF10	1.25	8.8	M204 1006	\$12.28	M205 1006	\$12.28	M206 1006	\$12.28	M207 1006	\$36.82
MF12 [†]	1.5	10.5	M204 1207	\$15.83	M205 1207	\$15.83	M206 1207	\$15.83	M207 1207	\$47.51
MF12	1.25	10.8	M204 1206	\$25.89	M205 1206	\$25.89	M206 1206	\$25.89	M207 1206	\$77.65
MF14	1.5	12.5	M204 1407	\$22.70	M205 1407	\$22.70	M206 1407	\$22.70	M207 1407	\$68.11
MF16	1.5	14.5	M204 1607	\$29.67	M205 1607	\$29.67	M206 1607	\$29.67	M207 1607	\$88.98
MF18	1.5	16.5	M204 1807	\$35.37	M205 1807	\$35.37	M206 1807	\$35.37	M207 1807	\$106.10
MF20	1.5	18.5	M204 2007	\$35.37	M205 2007	\$35.37	M206 2007	\$35.37	M207 2007	\$106.10
MF22	1.5	20.5	M204 2207	\$45.43	M205 2207	\$45.43	M206 2207	\$45.43	M207 2207	\$136.39
MF24	2.0	22	M204 2408	\$91.66	M205 2408	\$91.66	M206 2408	\$91.66	M207 2408	\$275.01
Metric Conduit										
MF16	1.5	14.5	M204 1607	\$29.67	M205 1607	\$29.67	M206 1607	\$29.67	M207 1607	\$88.98
MF20	1.5	18.5	M204 2007	\$35.37	M205 2007	\$35.37	M206 2007	\$35.37	M207 2007	\$106.10
MF25	1.5	23.5	M204 2507	\$101.21	M205 2507	\$101.21	M206 2507	\$101.21		
MF32	1.5	30.5	M204 3207	\$177.87	M205 3207	\$177.87	M206 3207	\$177.87		
MF40	1.5	38.5	M204 4007	\$273.93	M205 4007	\$273.93	M206 4007	\$273.93		
MF50	1.5	48.5	M204 5007	\$549.40	M205 5007	\$549.40	M206 5007	\$549.40		
Spark Plug										
MF10	1.0	9	M204 1005	\$17.18	M205 1005	\$17.18	M206 1005	\$17.18	M207 1005	\$51.62
MF12	1.25	10.8	M204 1206	\$25.89	M205 1206	\$25.89	M206 1206	\$25.89	M207 1206	\$77.65
MF14	1.25	12.8	M204 1406	\$30.80	M205 1406	\$30.80	M206 1406	\$30.80		
MF18	1.5	16.5	M204 1807	\$35.37	M205 1807	\$35.37	M206 1807	\$35.37	M207 1807	\$106.10

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.

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Application

DIY
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Automotive
Plumbing
Metalworking
MRO



Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	TPI	Drill Ø	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
UNC (Unified National Coarse)			M216		M217		M218		M219	
#10	24	3.8	M216 0483	\$10.22	M217 0483	\$10.22	M218 0483	\$10.22	M219 0483	\$30.74
1/4	20	5.1	M216 0635	\$10.22	M217 0635	\$10.22	M218 0635	\$10.22	M219 0635	\$30.74
5/16	18	6.6	M216 0794	\$10.22	M217 0794	\$10.22	M218 0794	\$10.22	M219 0794	\$30.74
3/8	16	8	M216 0953	\$11.04	M217 0953	\$11.04	M218 0953	\$11.04	M219 0953	\$33.12
7/16	14	9.4	M216 1111	\$13.34	M217 1111	\$13.34	M218 1111	\$13.34	M219 1111	\$39.96
1/2	13	10.8	M216 1270	\$15.99	M217 1270	\$15.99	M218 1270	\$15.99	M219 1270	\$48.01
9/16	12	12.2	M216 1429	\$26.06	M217 1429	\$26.06	M218 1429	\$26.06	M219 1429	\$78.31
5/8	11	13.5	M216 1588	\$25.29	M217 1588	\$25.29	M218 1588	\$25.29	M219 1588	\$75.87
3/4	10	16.5	M216 1905	\$32.09	M217 1905	\$32.09	M218 1905	\$32.09	M219 1905	\$96.40
7/8	9	19.5	M216 2223	\$51.79	M217 2223	\$51.79	M218 2223	\$51.79	M219 2223	\$155.41
1	8	22.2	M216 2540	\$55.37	M217 2540	\$55.37	M218 2540	\$55.37	M219 2540	\$166.06
1-1/8	7	25	M216 2858	\$106.34	M217 2858	\$106.34	M218 2858	\$106.34		
1-1/4	7	28	M216 3175	\$128.82	M217 3175	\$128.82	M218 3175	\$128.82		

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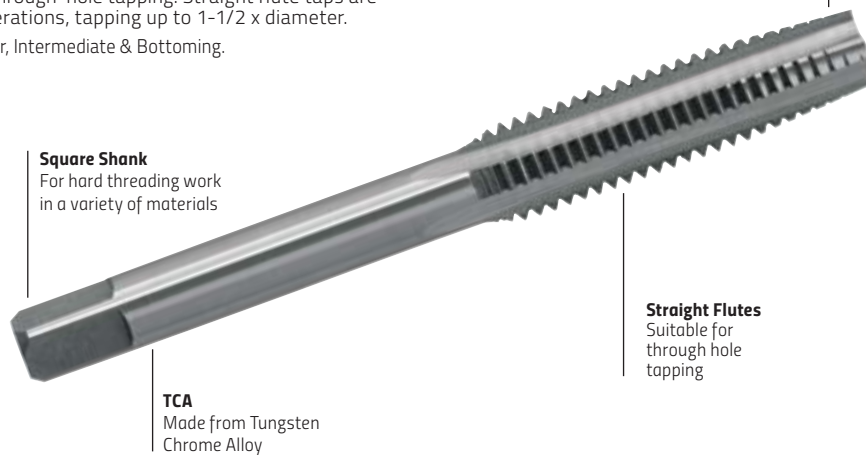
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Set comprises 1 each – Taper, Intermediate & Bottoming.

Top Cut

A variety of leads are available to suit various requirements



Application

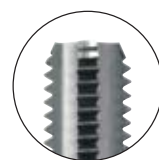
DIY
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Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	Pitch	Drill Ø	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
UNF (Unified National Fine)			M220		M221		M222		M223	
1/4	28	5.5	M220 0635	\$10.22	M221 0635	\$10.22	M222 0635	\$10.22	M223 0635	\$30.74
5/16	24	6.9	M220 0794	\$11.44	M221 0794	\$11.44	M222 0794	\$11.44	M223 0794	\$34.37
3/8	24	8.5	M220 0953	\$11.44	M221 0953	\$11.44	M222 0953	\$11.44	M223 0953	\$34.37
7/16	20	9.8	M220 1111	\$14.79	M221 1111	\$14.79	M222 1111	\$14.79	M223 1111	\$44.32
1/2	20	11.5	M220 1270	\$16.22	M221 1270	\$16.22	M222 1270	\$16.22	M223 1270	\$48.62
9/16	18	12.8	M220 1429	\$25.50	M221 1429	\$25.50	M222 1429	\$25.50	M223 1429	\$76.49
5/8	18	14.5	M220 1588	\$25.10	M221 1588	\$25.10	M222 1588	\$25.10	M223 1588	\$75.31
3/4	16	17.5	M220 1905	\$29.47	M221 1905	\$29.47	M222 1905	\$29.47	M223 1905	\$88.37
7/8	14	20.5	M220 2223	\$51.59	M221 2223	\$51.59	M222 2223	\$51.59	M223 2223	\$154.79
1	12	23.5	M220 2540	\$53.34	M221 2540	\$53.34	M222 2540	\$53.34	M223 2540	\$160.03
1	14 UNS	24	M220 2541	\$89.36	M221 2541	\$89.36	M222 2541	\$89.36	M223 2541	\$267.97
1-1/8	12	26.5	M220 2858	\$106.75	M221 2858	\$106.75	M222 2858	\$106.75		
1-1/4	12	29.5	M220 3175	\$128.82	M221 3175	\$128.82	M222 3175	\$128.82		

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

Straight Flutes

Suitable for through hole tapping

TCA

Made from Tungsten Chrome Alloy

Application

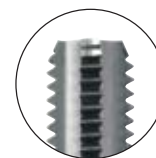
DIY
Trade
Automotive
Plumbing
Metalworking
MRO



Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	TPI	Drill Ø	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
BSW (British Standard Whitworth)			M224		M225		M226		M227	
1/8	40	2.55	M224 0318	\$11.39	M225 0318	\$11.39	M226 0318	\$11.39	M227 0318	\$34.01
5/32	32 WHIT	3.2	M224 0397	\$11.04	M225 0397	\$11.04	M226 0397	\$11.04	M227 0397	\$33.12
3/16	24	3.7	M224 0476	\$7.82	M225 0476	\$7.82	M226 0476	\$7.82	M227 0476	\$23.40
1/4	20	5.1	M224 0635	\$8.64	M225 0635	\$8.64	M226 0635	\$8.64	M227 0635	\$25.85
5/16	18	6.5	M224 0794	\$9.53	M225 0794	\$9.53	M226 0794	\$9.53	M227 0794	\$28.51
3/8	16	7.9	M224 0953	\$11.04	M225 0953	\$11.04	M226 0953	\$11.04	M227 0953	\$33.12
7/16	14	9.3	M224 1111	\$13.69	M225 1111	\$13.69	M226 1111	\$13.69	M227 1111	\$41.03
1/2	12	10.5	M224 1270	\$15.99	M225 1270	\$15.99	M226 1270	\$15.99	M227 1270	\$48.01
9/16	12	12.1	M224 1429	\$26.06			M226 1429	\$26.06		
5/8	11	13.5					M226 1588	\$25.10		
3/4	10	16.25					M226 1905	\$29.47		
7/8	9	19.25					M226 2223	\$47.82		
1	8	22	M224 2540	\$53.34			M226 2540	\$53.34		

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

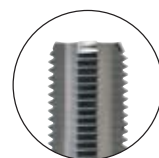
DIY
Trade
Automotive
Plumbing
Metalworking
MRO



Taper



Intermediate



Bottoming

Set of 3

Discount Group: D0502

Size	TPI	Drill Ø	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
BSPF (G Series - British Standard Pipe Fitting)			M240		M241		M242		M243	
1/8	28	8.8	M240 0973	\$14.22	M241 0973	\$14.22	M242 0973	\$14.22	M243 0973	\$42.67
1/4	19	11.8	M240 1316	\$17.82	M241 1316	\$17.82	M242 1316	\$17.82	M243 1316	\$53.47
3/8	19	15.3	M240 1666	\$26.06	M241 1666	\$26.06	M242 1666	\$26.06	M243 1666	\$78.31
1/2	14	19	M240 2096	\$32.40	M241 2096	\$32.40	M242 2096	\$32.40	M243 2096	\$97.19
5/8	14	21	M240 2291	\$54.98	M241 2291	\$54.98	M242 2291	\$54.98	M243 2291	\$164.85
3/4	14	24.5	M240 2644	\$56.97	M241 2644	\$56.97	M242 2644	\$56.97	M243 2644	\$170.92
1	11	31	M240 3325	\$102.11	M241 3325	\$102.11	M242 3325	\$102.11	M243 3325	\$270.45
1-1/4	11	39.5	M240 4191	\$225.27	M241 4191	\$225.27	M242 4191	\$225.27		
2	11	57.5	M240 5961	\$340.44	M241 5961	\$340.44	M242 5961	\$340.44		
BSPT (Rc Series - British Standard Pipe Taper)							M244			
1/8	28	8.4					M244 0973	\$34.80		
1/4	19	10.8					M244 1316	\$34.80		
3/8	19	14.5					M244 1666	\$43.46		
1/2	14	18					M244 2096	\$51.38		
3/4	14	23					M244 2644	\$72.96		
1	11	29					M244 3325	\$124.53		
1-1/4	11	38					M244 4191	\$254.18		
1-1/2	11	44					M244 4780	\$317.11		
2	11	55					M244 5961	\$396.38		
NPT (National Pipe Taper) 15° Chamfer							M245			
1/8	27	8.4					M245 1029	\$34.80		
1/4	18	10.8					M245 1372	\$41.13		
3/8	18	14.5					M245 1715	\$53.34		
1/2	14	18					M245 2134	\$65.20		
3/4	14	23					M245 2667	\$116.63		
1	11-1/2	29					M245 3340	\$183.02		
1-1/4	11-1/2	38					M245 4216	\$304.35		
1-1/2	11-1/2	44					M245 4826	\$418.93		
2	11-1/2	55					M245 6033	\$652.15		

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.



High Speed Steel
For longer tool life



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

Cutting Teeth
Provide a precise thread

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO



1"



2"



3"

Discount Group: D0204

Size	Pitch	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
Metric ISO Coarse		M551			M552			M553		
M2	0.4	M551 0200	9311963593647	\$60.28						
M3	0.5	M551 0300	9311963593654	\$38.15						
M4	0.7	M551 0400	9311963593661	\$38.15						
M5	0.8	M551 0500	9311963593678	\$38.15						
M6	1.0	M551 0600	9311963593685	\$38.15						
M8	1.25	M551 0800	9311963593692	\$38.15						
M10	1.5	M551 1000	9311963593708	\$38.15						
M12	1.75	M551 1200	9311963593715	\$43.06						
M12	1.75				M552 1200	9311963593722	\$91.05			
M14	2.0				M552 1400	9311963593739	\$91.05			
M16	2.0				M552 1600	9311963593746	\$91.05			
M18	2.5				M552 1800	9311963593753	\$91.05			
M20	2.5				M552 2000	9311963593760	\$91.05			
M22	2.5				M552 2200	9311963593777	\$114.41			
M24	3.0				M552 2400	9311963593784	\$114.41			
M30	3.5							M553 3000	9311963593791	\$292.82
M33	3.5							M553 3300	9311963593807	\$292.82
M36	4.0							M553 3600	9311963593814	\$292.82
M39	4.0							M553 3900	9311963593821	\$292.82
M42	4.5							M553 4200	9311963593838	\$388.80
M45	4.5							M553 4500	9311963593845	\$388.80
M48	5.0							M553 4800	9311963593852	\$388.80

Dies HSS, Button Dies – Metric Fine

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
Plumbing
Metalworking
MRO



1"



1-1/2"



2"

Discount Group: D0204

Size	Pitch	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
Metric Fine		M554			M555			M556		
MF6	0.75	M554 0604	9311963593869	\$81.21						
MF8	1.0	M554 0805	9311963593876	\$81.21						
MF10	1.0	M554 1005	9311963593883	\$81.21						
MF10	1.25	M554 1006	9311963593890	\$81.21						
MF12	1.25	M554 1206	9311963593906	\$81.21						
MF12	1.5	M554 1207	9311963593913	\$81.21						
MF14	1.0				M555 1405	9311963593920	\$91.05			
MF14	1.25				M555 1406	9311963593937	\$91.05			
MF14	1.5				M555 1407	9311963593944	\$91.05			
MF16	1.0				M555 1605	9311963593951	\$91.05			
MF16	1.5				M555 1607	9311963593968	\$91.05			
MF20	1.5							M556 2007	9311963593975	\$151.32
MF22	1.5							M556 2207	9311963593982	\$151.32
MF24	2.0							M556 2408	9311963593999	\$151.32
MF25	1.5							M556 2507	9311963594002	\$151.32

Dies HSS, Button Dies – UNC

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.



High Speed Steel
For longer tool life



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

Cutting Teeth
Provide a precise
thread

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO

Discount Group: D0204

Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
UNC (Unified National Coarse)		M561			M562			M563		
#6	32	M561 0351	9311963594019	\$41.83						
#8	32	M561 0417	9311963594026	\$47.98						
#10	24	M561 0483	9311963594033	\$47.98						
#12	24	M561 0549	9311963594040	\$47.98						
1/4	20	M561 0635	9311963594057	\$38.15						
5/16	18	M561 0794	9311963594064	\$38.15						
3/8	16	M561 0953	9311963594071	\$38.15						
7/16	14	M561 1111	9311963594088	\$47.98						
1/2	13	M561 1270	9311963594095	\$47.98	M562 1270	9311963594101	\$91.05			
5/8	11				M562 1588	9311963594118	\$91.05			
3/4	10				M562 1905	9311963594125	\$91.05			
7/8	9				M562 2223	9311963594132	\$114.41			
1"	8				M562 2540	9311963594149	\$114.41			
1-1/8	7							M563 2858	9311963594156	\$294.06
1-1/4	7							M563 3175	9311963594163	\$294.06
1-3/8	6							M563 3493	9311963594170	\$294.06
1-1/2	6							M563 3810	9311963594187	\$294.06
1-5/8	5.5							M563 4128	9311963594194	\$391.25
1-3/4	5							M563 4445	9311963594200	\$391.25
1-7/8	5							M563 4763	9311963594217	\$391.25
2"	4.5							M563 5080	9311963594224	\$391.25

Dies HSS, Button Dies – 8-UN

Discount Group: D0204

Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
8-UN (Unified National)		M566			M567					
1-1/8	8				M566 2858	9311963594378	\$327.27			
1-1/4	8				M566 3175	9311963594385	\$327.27			
1-3/8	8				M566 3493	9311963594392	\$327.27			
1-1/2	8				M566 3810	9311963594408	\$327.27			
1-5/8	8							M567 4128	9311963594415	\$463.85
1-3/4	8							M567 4445	9311963594422	\$463.85
1-7/8	8							M567 4763	9311963594439	\$463.85
2"	8							M567 5080	9311963594446	\$463.85

Dies HSS, Button Dies – UNF

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
Plumbing
Metalworking
MRO

Discount Group: D0204

Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
UNF (Unified National Fine)		M564				M565				
#6	40	M564 0351	9311963594231	\$41.83						
#8	36	M564 0417	9311963594248	\$41.83						
#10	32	M564 0483	9311963594255	\$41.83						
#12	28	M564 0549	9311963594262	\$41.83						
1/4	28	M564 0635	9311963594279	\$38.15						
5/16	24	M564 0794	9311963594286	\$38.15						
3/8	24	M564 0953	9311963594293	\$38.15						
7/16	20	M564 1111	9311963594309	\$47.98						
1/2	20	M564 1270	9311963594316	\$47.98						
9/16	18				M565 1429	9311963594323	\$91.05			
5/8	18				M565 1588	9311963594330	\$91.05			
3/4	16				M565 1905	9311963594347	\$91.05			
7/8	14				M565 2223	9311963594354	\$91.05			
1"	12				M565 2540	9311963594361	\$114.41			

Dies HSS, Button Dies – 12-UN

Discount Group: D0204

Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
12-UN (Unified National)								M568		
1-1/8	12							M568 2858	9311963594453	\$294.06
1-1/4	12							M568 3175	9311963594460	\$294.06
1-3/8	12							M568 3493	9311963594477	\$294.06
1-1/2	12							M568 3810	9311963594484	\$294.06
1-5/8	12							M568 4128	9311963594491	\$391.25
1-3/4	12							M568 4445	9311963594507	\$391.25
1-7/8	12							M568 4763	9311963594514	\$391.25
2"	12							M568 5080	9311963594521	\$391.25

Dies HSS, Button Dies – BSPF

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.



High Speed Steel
For longer tool life



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

Cutting Teeth
Provide a precise thread

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO

Discount Group: D0204

Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
BSPF (British Standard Pipe)		M569			M570			M571		
1/8	28	M569 0973	9311963594538	\$47.98						
1/4	19				M570 1316	9311963594545	\$119.34			
3/8	19				M570 1666	9311963594552	\$119.34			
1/2	14				M570 2096	9311963594569	\$119.34			
5/8	14				M570 2291	9311963594576	\$119.34			
3/4	14				M570 2644	9311963594583	\$119.34			
1"	11							M571 3325	9311963594590	\$417.09
1-1/4	11							M571 4191	9311963594606	\$522.90
1-1/2	11							M571 4780	9311963594613	\$533.97

Dies HSS, Button Dies – BSPT

Discount Group: D0204

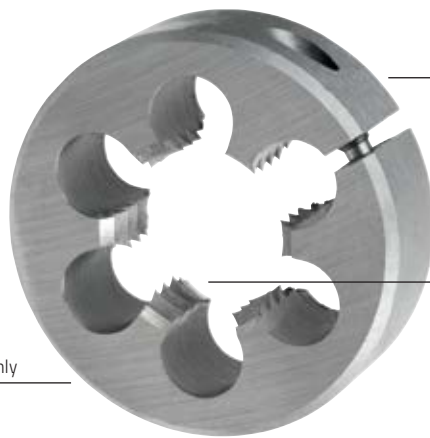
Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
BSPT (British Standard Pipe Taper)								M572		
1"	11							M572 3325	9311963594620	\$444.16
1-1/4	11							M572 4191	9311963594637	\$522.90
1-1/2	11							M572 4780	9311963594644	\$579.50

Dies Carbon, Button Dies – Metric

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
Plumbing
Metalworking
MRO



1"



1-1/2"



2"

Discount Group: D0202

Size	Pitch	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
Metric ISO Coarse		M400			M401			M402		
M2	0.4	M400 0200	9311963025230	\$30.54						
M2.5	0.45	M400 0250	9311963029733	\$30.54						
M3	0.5	M400 0300	9311963018966	\$30.54						
M3.5	0.6	M400 0350	9311963040875	\$27.09						
M4	0.7	M400 0400	9311963016481	\$26.47						
M4.5	0.75	M400 0450	9311963040882	\$23.94						
M5	0.8	M400 0500	9311963007274	\$24.11						
M6	1.0	M400 0600	9311963007540	\$24.11						
M7	1.0	M400 0700	9311963029740	\$24.11	M401 0700	9311963036458	\$46.15			
M8	1.25	M400 0800	9311963007861	\$24.11	M401 0800	9311963011806	\$44.28			
M9	1.25	M400 0900	9311963021812	\$24.11						
M10	1.5	M400 1000	9311963009971	\$24.11	M401 1000	9311963010755	\$44.28			
M11	1.5	M400 1100	9311963032665	\$27.09	M401 1100	9311963036465	\$45.02			
M12	1.75	M400 1200	9311963020273	\$27.19	M401 1200	9311963021829	\$44.28	M402 1200	9311963011813	\$57.74
M14	2.0				M401 1400	9311963040899	\$45.02	M402 1400	9311963040905	\$57.74
M16	2.0							M402 1600	9311963006505	\$60.90
M18	2.5							M402 1800	9311963029757	\$64.02
M20	2.5							M402 2000	9311963012414	\$64.02
M22	2.5							M402 2200	9311963040912	\$69.18
M24	3.0							M402 2400	9311963016498	\$83.78

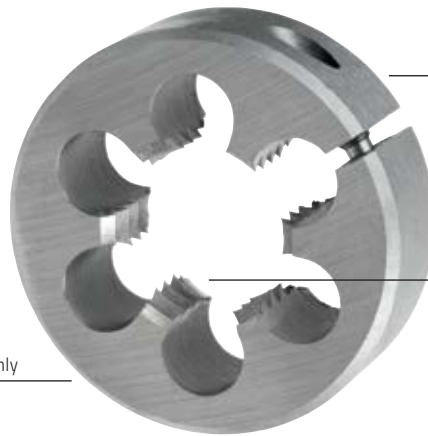
Dies Carbon, Button Dies – Metric Fine

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.



Carbon Alloy Steel
Suitable for general purpose / DIY use only



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

Cutting Teeth
Provide a general purpose thread

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO



1"



1-1/2"



2"

Discount Group: D0202

Size	Pitch	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
Metric Fine		M403			M404			M405		
MF8	1.0	M403 0805	9311963023410	\$24.11						
MF10	1.0	M403 1005	9311963419954	\$24.11						
MF10	1.25	M403 1006	9311963020280	\$24.11	M404 1006	9311963020297	\$44.28			
MF12	1.25	M403 1206	9311963025247	\$27.09	M404 1206	9311963023427	\$45.02	M405 1206	9311963040929	\$57.74
MF12*	1.5	M403 1207	9311963027173	\$27.09	M404 1207	9311963027180	\$44.28	M405 1207	9311963036472	\$57.74
MF14	1.25				M404 1406	9311963081724	\$45.02	M405 1406	9311963081380	\$58.50
MF14	1.5				M404 1407	9311963025254	\$44.28	M405 1407	9311963023434	\$57.74
MF16	1.5							M405 1607	9311963013701	\$60.90
MF18	1.5							M405 1807	9311963020303	\$64.02
MF20	1.5							M405 2007	9311963020310	\$64.02
MF22	1.5							M405 2207	9311963081397	\$69.18
MF24	2.0							M405 2408	9311963081403	\$83.78
Metric Conduit										
MF16	1.5							M405 1607	9311963013701	\$60.90
MF20	1.5							M405 2007	9311963020310	\$64.02
MF25	1.5							M405 2507	9311963040936	\$84.76
Metric Spark Plug										
MF10	1.0	M403 1005	9311963419954	\$24.11						
MF12	1.25	M403 1206	9311963025247	\$27.09	M404 1206	9311963023427	\$45.02	M405 1206	9311963040929	\$57.74
MF14	1.25				M404 1406	9311963081724	\$45.02	M405 1406	9311963081380	\$58.50
MF18	1.5							M405 1807	9311963020303	\$64.02

*Alternative Metric Fine

Dies Carbon, Button Dies – UNC

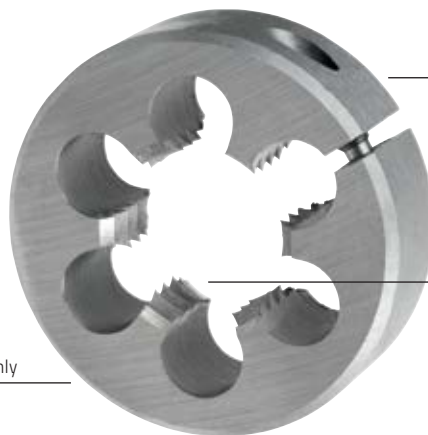
suttontools

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.



Carbon Alloy Steel
Suitable for general
purpose / DIY use only



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

Cutting Teeth
Provide a general
purpose thread

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO

Discount Group: D0202

Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
UNC (Unified National Coarse)		M412			M413			M414		
#5	40	M412 0318	9311963027197	\$30.62						
#6	32	M412 0351	9311963016504	\$30.62						
#8	32	M412 0417	9311963018973	\$30.62						
#10	24	M412 0483	9311963025261	\$30.62						
#12	24	M412 0549	9311963025278	\$30.62						
1/4	20	M412 0635	9311963021836	\$24.48	M413 0635	9311963025285	\$44.28			
5/16	18	M412 0794	9311963016511	\$24.48	M413 0794	9311963025292	\$44.28			
3/8	16	M412 0953	9311963018980	\$24.48	M413 0953	9311963023458	\$39.33			
7/16	14	M412 1111	9311963020327	\$27.56	M413 1111	9311963027203	\$44.28			
1/2	13	M412 1270	9311963023441	\$29.47	M413 1270	9311963020334	\$44.28	M414 1270	9311963018997	\$57.52
9/16	12				M413 1429	9311963029764	\$48.40	M414 1429	9311963036489	\$61.81
5/8	11				M413 1588	9311963020341	\$49.44	M414 1588	9311963019000	\$61.27
3/4	10							M414 1905	9311963019017	\$64.02
7/8	9							M414 2223	9311963027210	\$69.18
1	8							M414 2540	9311963025308	\$83.43

Dies Carbon, Button Dies – UNF

Discount Group: D0202

Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
UNF (Unified National Fine)		M415			M416			M417		
# 5	44	M415 0318	9311963040943	\$30.62						
# 6	40	M415 0351	9311963040950	\$30.62						
# 8	36	M415 0417	9311963050997	\$30.62						
#10	32	M415 0483	9311963021843	\$30.62						
#12	28	M415 0549	9311963027227	\$33.44						
3/16	32 UNS	M415 0476	9311963015514	\$35.37						
1/4	28	M415 0635	9311963014623	\$24.11	M416 0635	9311963020358	\$44.28			
5/16	24	M415 0794	9311963010359	\$24.11	M416 0794	9311963014647	\$44.28			
3/8	24	M415 0953	9311963016528	\$24.11	M416 0953	9311963017785	\$44.28			
7/16	20	M415 1111	9311963014630	\$27.19	M416 1111	9311963019024	\$44.28			
1/2	20	M415 1270	9311963021850	\$28.84	M416 1270	9311963013107	\$44.28	M417 1270	9311963017792	\$57.74
9/16	18				M416 1429	9311963025315	\$48.60	M417 1429	9311963025322	\$60.90
5/8	18				M416 1588	9311963013718	\$48.60	M417 1588	9311963009124	\$60.90
3/4	16							M417 1905	9311963006512	\$64.02
7/8	14							M417 2223	9311963013725	\$69.18
1	12							M417 2540	9311963014654	\$83.78
1	14 UNS							M417 2541	9311963025339	\$124.11

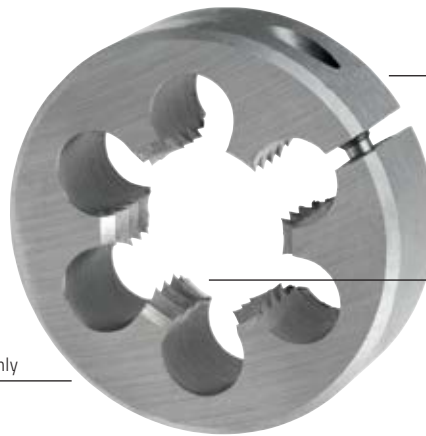
Dies Carbon, Button Dies – BSW

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.



Carbon Alloy Steel
Suitable for general purpose / DIY use only



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

Cutting Teeth
Provide a general purpose thread

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO



1"



1-1/2"



2"

Discount Group: D0202

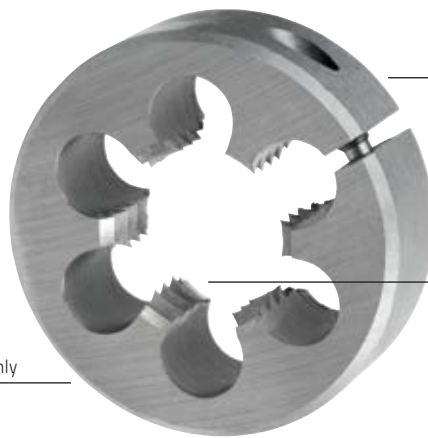
Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
BSW (British Standard Whitworth)		M418			M419			M420		
1/8	40	M418 0318	9311963021867	\$25.18						
5/32	32 WHIT	M418 0397	9311963021874	\$25.51						
3/16	24	M418 0476	9311963029771	\$22.69	M419 0476	9311963019031	\$41.52			
1/4	20	M418 0635	9311963014661	\$22.69	M419 0635	9311963013114	\$41.52			
5/16	18	M418 0794	9311963012421	\$22.69	M419 0794	9311963013732	\$41.52			
3/8	16	M418 0953	9311963021881	\$22.69	M419 0953	9311963011820	\$41.52			
7/16	14	M418 1111	9311963040967	\$25.51	M419 1111	9311963032672	\$41.52			
1/2	12	M418 1270	9311963021898	\$27.44	M419 1270	9311963019048	\$41.25	M420 1270	9311963005515	\$54.16
9/16	12				M419 1429	9311963029788	\$46.27	M420 1429	9311963032689	\$57.32
5/8	11				M419 1588	9311963029795	\$45.43	M420 1588	9311963013749	\$57.52
3/4	10							M420 1905	9311963013121	\$59.65
7/8	9							M420 2223	9311963025346	\$64.83
1	8							M420 2540	9311963016535	\$77.44

Dies Carbon, Button Dies – BA

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
Plumbing
Metalworking
MRO

Discount Group: D0202

Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
BA (British Association)		M424*								
0		M424 0600	9311963036519	\$36.14						
1		M424 0530	9311963051017	\$36.14						
3		M424 0410	9311963041018	\$40.68						
5		M424 0320	9311963041025	\$40.68						
6		M424 0280	9311963032719	\$43.89						
7		M424 0250	9311963041032	\$56.10						
8		M424 0220	9311963036526	\$56.10						

Dies Carbon, Button Dies – BSB

Discount Group: D0202

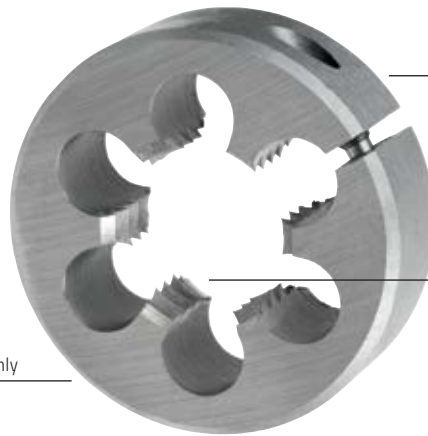
Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
BSB (British Standard Brass)		M430*				M431*		M432*		
1/4	26	M430 0635	9311963041049	\$31.41	M431 0635	9311963029825	\$66.41			
5/16	26				M431 0794	9311963023496	\$66.41			
3/8	26	M430 0953	9311963016542	\$35.37	M431 0953	9311963019062	\$66.41			
7/16	26	M430 1111	9311963023489	\$35.76	M431 1111	9311963036540	\$68.00			
1/2	26				M431 1270	9311963021911	\$66.41	M432 1270	9311963036557	\$89.36
9/16	26							M432 1429	9311963032733	\$92.46
5/8	26							M432 1588	9311963025360	\$90.91

* Not available once current stock is depleted

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

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
Plumbing
Metalworking
MRO



1"



1-1/2"



2"

Discount Group: D0202

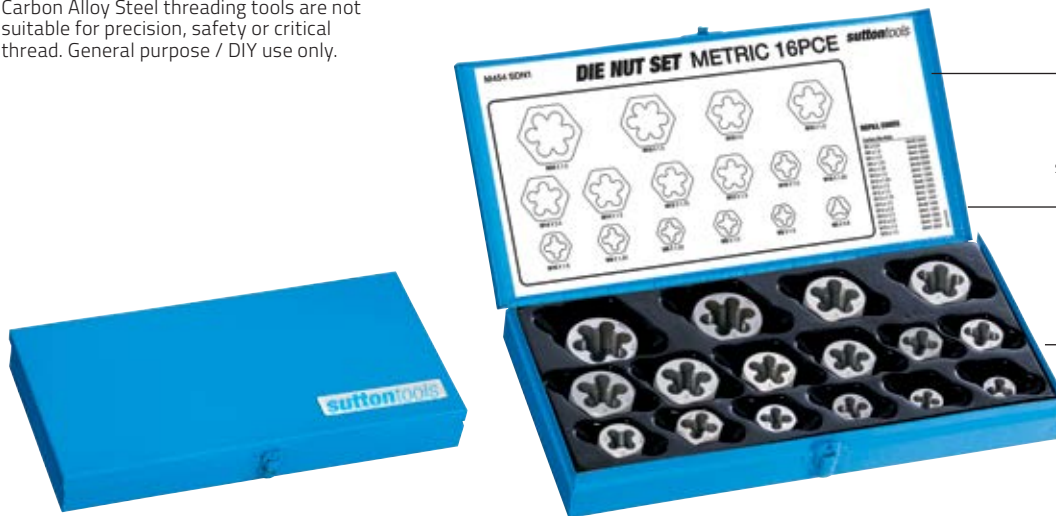
Size	TPI	Item #	Barcode	List Price	Item #	Barcode	List Price	Item #	Barcode	List Price
Rc Series - BSPT (British Standard Pipe Taper)					M438					
1/8	28							M438 0973	9311963025377	\$118.18
1/4	19							M438 1316	9311963029849	\$118.18
3/8	19							M438 1666	9311963025384	\$126.03
1/2	14							M438 2096	9311963021928	\$156.93
3/4	14							M438 2644	9311963020365	\$156.93
National Pipe Taper (NPT)					M429					
1/8	27							M429 1029	9311963021935	\$118.18
1/4	18							M429 1372	9311963016566	\$118.18
3/8	18							M429 1715	9311963023502	\$126.03
1/2	14							M429 2134	9311963029856	\$156.93
3/4	14							M429 2667	9311963029863	\$156.93
1	11-1/2							M429 3340	9311963419961	\$225.27

Dies Carbon, Die Nut Sets

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	List 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	\$806.38
BSW	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454 SDN2	9311963051185	\$421.16
UNC	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454 SDN3	9311963032849	\$421.16
UNF	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454 SDN4	9311963032856	\$421.16



M454 SDN1



M454 SDN2



M454 SDN3



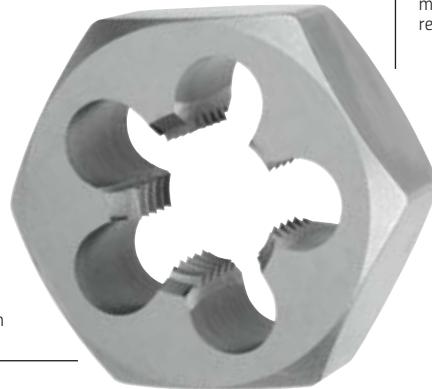
M454 SDN4

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.



Limited Space
Die can be used with
a wrench or socket



Hexagon Die
Best suited for
maintenance and
repair work

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO

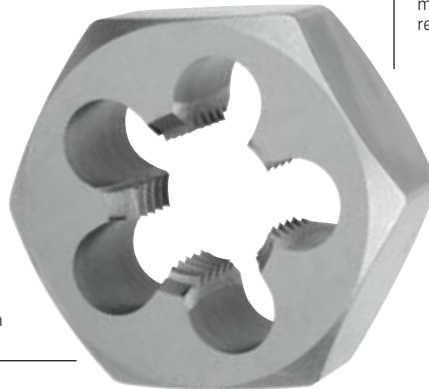
Discount Group: D0202

Size	Pitch	AF	Item #	Blister Barcode	List Price	Item #	Box Barcode	List Price
Metric ISO Coarse			M440			M440		
M5	0.8	18	M440 0500	9311963017815	\$31.41			
M6	1.0	18	M440 0600	9311963011851	\$31.41			
M7	1.0	18	M440 0700	9311963032740	\$32.01			
M8	1.25	21	M440 0800	9311963009988	\$31.41			
M9	1.25	23.5	M440 0900	9311963041087	\$32.01			
M10	1.5	23.5	M440 1000	9311963023526	\$45.81			
M12	1.75	28	M440 1200	9311963010762	\$45.81			
M14	2.0	33	M440 1400	9311963029887	\$58.87			
M16	2.0	33	M440 1600	9311963013756	\$58.87			
M18	2.5	37.5	M440 1800	9311963051086	\$74.30			
M20	2.5	37.5				M440 2000	9311963021942	\$72.76
M22	2.5	42.5				M440 2200	9311963036588	\$110.64
M24	3.0	52				M440 2400	9311963023533	\$135.17
M27	3.0	56.5				M440 2700	9311963041094	\$187.76
M30	3.5	56.5				M440 3000	9311963020372	\$231.22
M33	3.5	65.5				M440 3300	9311963051093	\$278.62
M36	4.0	70				M440 3600	9311963041100	\$330.03
Metric Fine			M441			M441		
MF8	1.0	21	M441 0805	9311963029894	\$31.41			
MF10	1.0	23.5	M441 1005	9311963025407	\$45.81			
MF10	1.25	23.5	M441 1006	9311963015521	\$45.81			
MF12	1.25	28	M441 1206	9311963013763	\$45.81			
MF12*	1.5	28	M441 1207	9311963011868	\$45.81			
MF14	1.5	33	M441 1407	9311963021959	\$58.87			
MF16	1.5	33	M441 1607	9311963029900	\$58.87			
MF18	1.5	37.5	M441 1807	9311963029917	\$72.76			
MF20	1.5	37.5				M441 2007	9311963027272	\$72.76
Metric Conduit								
MF16	1.5	33	M441 1607	9311963029900	\$58.87			
MF20	1.5	37.5				M441 2007	9311963027272	\$72.76
Metric Spark Plug								
MF10	1.0	23.5	M441 1005	9311963025407	\$45.81			
MF12	1.25	28	M441 1206	9311963013763	\$45.81			
MF18	1.5	37.5	M441 1807	9311963029917	\$72.76			

*Alternative Metric Fine

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
Plumbing
Metalworking
MRO

Discount Group: D0202

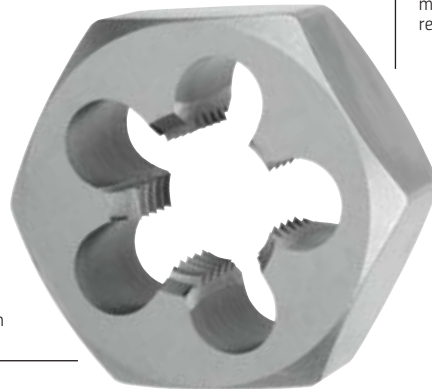
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suttontools

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



Limited Space
Die can be used with
a wrench or socket



Hexagon Die
Best suited for
maintenance and
repair work

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO

Discount Group: D0202

Size	TPI	AF	Item #	Blister Barcode	List Price	Item #	Box Barcode	List Price
BSW (British Standard Whitworth)			M447			M447		
1/8	40	18	M447 0318	9311963036601	\$19.54			
5/32	32	18	M447 0397	9311963029924	\$32.83			
3/16	24	18	M447 0476	9311963021973	\$19.54			
1/4	20	18	M447 0635	9311963023564	\$22.33			
5/16	18	21	M447 0794	9311963025438	\$24.91			
3/8	16	23.5	M447 0953	9311963009131	\$24.91			
7/16	14	25.5	M447 1111	9311963025445	\$26.88			
1/2	12	28	M447 1270	9311963013787	\$27.88			
9/16	12	33	M447 1429	9311963032764	\$33.17			
5/8	11	33	M447 1588	9311963021980	\$35.61			
3/4	10	37.5	M447 1905	9311963021997	\$44.64			
7/8	9	42.5				M447 2223	9311963032771	\$60.04
1	8	52				M447 2540	9311963027319	\$69.18
1-1/8	7	56.5				M447 2858	9311963041124	\$116.24
1-1/4	7	56.5				M447 3175	9311963027326	\$125.29
1-1/2	6	70				M447 3810	9311963041131	\$246.26
1-3/4	5	80				M447 4445	9311963051109	\$346.24
2	4-1/2	90				M447 5080	9311963051116	\$436.37
BSF (British Standard Fine)			M448			M448		
3/16	32	18	M448 0476	9311963036618	\$27.88			
1/4	26	18	M448 0635	9311963025452	\$27.88			
5/16	22	21	M448 0794	9311963027333	\$27.88			
3/8	20	23.5	M448 0953	9311963029931	\$27.88			
7/16	18	25.5	M448 1111	9311963025469	\$38.35			
1/2	16	28	M448 1270	9311963032788	\$30.43			
9/16	16	33	M448 1429	9311963029948	\$46.64			
5/8	14	33	M448 1588	9311963051123	\$50.19			
3/4	12	37.5	M448 1905	9311963041148	\$61.67			
7/8	11	42.5				M448 2223	9311963051130	\$83.43
1	10	52				M448 2540	9311963029955	\$100.39
G Series - BSPF (British Standard Pipe Fitting)			M452			M452		
1/8	28	23.5	M452 0973	9311963022000	\$26.88			
1/4	19	28	M452 1316	9311963020396	\$34.38			
3/8	19	33	M452 1666	9311963027340	\$40.31			
1/2	14	42.5	M452 2096	9311963032795	\$56.92			
5/8	14	42.5	M452 2291	9311963051147	\$86.54			
3/4	14	52				M452 2644	9311963032801	\$78.66
1	11	65.5				M452 3325	9311963029962	\$137.49

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
Electrical
Plumbing
Carpentry
General Contracting
Woodworking
Metalworking
Machine Shop
MRO

Discount Group: D0202

Size	Outside Dimensions	Item #	Barcode	List Price
Metric Conduit				
16 x 1.5	2-3/8 x 2-3/8 x 3/4	2662808	9312621768803	\$90.08
20 x 1.5	2-3/8 x 2-3/8 x 3/4	2662817	9312621768810	\$90.08
25 x 1.5	2-3/8 x 2-3/8 x 3/4	2662826	9312621768827	\$90.08
32 x 1.5	2-3/8 x 2-3/8 x 3/4	2662835	9312621768834	\$120.59
16mm	No1 Warragul Die Guide	2672202	9312621769022	\$56.31
20mm	No1 Warragul Die Guide	2672211	9312621769039	\$56.31
25mm	No1 Warragul Die Guide	2672220	9312621769046	\$56.31
32mm	No1 Warragul Die Guide	2672239	9312621769053	\$56.31
Rc Series - BSPT (British Standard Pipe Taper)				
1/8 x 28	2-3/8 x 2-3/8 x 3/4	2671706	9312621768841	\$152.58
1/4 x 19	2-3/8 x 2-3/8 x 3/4	2671715	9312621176882	\$139.72
3/8 x 19	2-3/8 x 2-3/8 x 3/4	2671724	9312621768865	\$139.72
1/2 x 14	2-3/8 x 2-3/8 x 3/4	2671733	9312621768872	\$126.98
3/4 x 14	2-3/8 x 2-3/8 x 3/4	2671742	9312621768889	\$133.86
1 x 11	2-3/8 x 2-3/8 x 3/4	2671751	9312621768896	\$158.47
1-1/4 x 11	2-3/8 x 2-3/8 x 3/4	2671760	9312621768902	\$162.37
1/8	No1 Warragul Die Guide	2672104	9312621768957	\$56.31
1/4	No1 Warragul Die Guide	2672113	9312621768964	\$56.31
3/8	No1 Warragul Die Guide	2672122	9312621768971	\$56.31
1/2	No1 Warragul Die Guide	2672131	9312621768988	\$56.31
3/4	No1 Warragul Die Guide	2672159	9312621769008	\$56.31
1	No1 Warragul Die Guide	2672168	9312621769015	\$56.31



Die Guide



Ratchet Die Holder

Warragul Ratchet Die Holder

2-3/8 x 2-3/8 x 3/4	3007757	9312621781833	\$491.58
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Discount Group: D0802

Warragul Die Set	Pieces			
W3R / BSPT	Dies: 1/2, 3/4, 1 Guides: 1/2, 3/4, 1 + Warragul Ratchet	7	3003931	9312621781420 \$994.84
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 \$1,493.56
22R Metric Conduit (1.5mm Pitch)	Dies: 16, 20, 25, 32 Guides: 16, 20, 25, 32 + Warragul Ratchet	9	3003904	9312621781413 \$981.36

Taps Wrenches & Die Holders

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

Knurled Nut
Adjusts and tightens by turning

Reach
Designed to reach jobs inaccessible with bar pattern tap wrench

Application

DIY
Trade
Automotive
Plumbing
Metalworking
MRO

Discount Group: D0202

Size	mm	Range	inch	Item #	Carded / Blister Barcode	List Price	Item #	Box Barcode	List Price
T-Type Tap Wrenches				M901					
M4	M1.6 – M4	#0 – #8					M901 0400	9311963553702	\$34.79
M6	M3 – M6	1/8 – 1/4		M901 0635	93829618	\$34.79			
M12	M6 – M12	1/4 – 1/2		M901 1270	93829625	\$55.38			
Set (M6 & M12)	M3 – M12	1/8 – 1/2					M901 0002	9311963553726	\$90.16
Precision T-Type Ratchet Tap Wrenches				M903					
M6	1/4	M3 – M6	1/8 – 1/4	M903 0635	9311963006826	\$58.55			
M12	1/2	M6 – M12	1/4 – 1/2	M903 1270	9311963006536	\$76.36			
M12	Long Reach - 280mm						M903 1200L	9311963553719	\$122.18
Bar Type Tap Wrenches				M905			M904		
'00'	M1.5 – M6	1/16 – 1/4		M905 BT00	93829632	\$74.30			
'0'	M3 – M10	1/8 – 3/8		M905 BT0	93829649	\$78.29			
#5	M5 – M16	3/16 – 5/8					M904 BT5	9311963009599	\$94.87
#6	M6 – M20	1/4 – 3/4					M904 BT6	9311963005522	\$120.93
#7	M8 – M28	5/16 – 1.1/8					M904 BT7	9311963009605	\$182.63
#8	M20 – M38	3/4 – 1.1/2					M904 BT8	9311963032863	\$486.14
Button Die Holders				M907			M906		
1"				M907 2540	93829656	\$33.02			
1-1/2"							M906 3810	9311963005027	\$73.53
2"							M906 5180	9311963007892	\$99.58
2-1/2" (D0204)							M906 6350	9311963594675	\$104.59
3" (D0204)							M906 7620	9311963594682	\$114.41

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





M500 M12



M500 M16



M500 M26



M500 M35



M500 M46



M500 NC12



M500 NC25



M500 NC35



M500 NF35



M500 W15



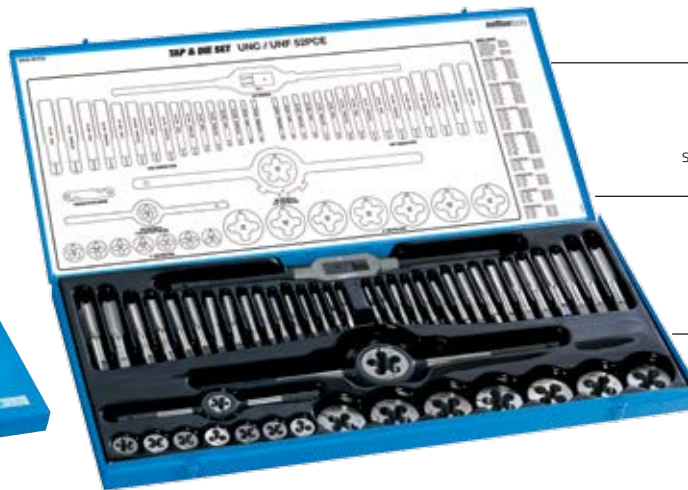
M500 W35

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	List 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	'O' Bar Type	1"	12	M500 M12	9311963419534	\$310.50
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	\$331.56
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	\$517.77
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	'O' & #7 Bar Type	1" & 2"	35	M500 M35	9311963027371	\$1,595.23
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' & 'O' Bar Type	1"	46	M500 M46	9311963419565	\$913.31
TD0 UNC Intermediate Taps 1" Button Dies	1/4, 5/16, 3/8, 7/16, 1/2inch	'O' Bar Type	1"	12	M500 NC12	9311963419527	\$320.14
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	\$846.98
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	'O' & #7 Bar Type	1" & 2"	35	M500 NC35	9311963036632	\$1,483.73
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	'O' & #7 Bar Type	1" & 2"	35	M500 NF35	9311963051260	\$1,482.42
TD2A BSW Intermediate Taps 1" Button Dies	1/8, 5/32, 3/16, 1/4, 5/16, 3/8inch, Bonus Thread Pitch Gauge	'O' Bar Type	1"	15	M500 W15	9311963419541	\$329.64
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	'O' & #7 Bar Type	1" & 2"	35	M500 W35	9311963036649	\$1,407.52

*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



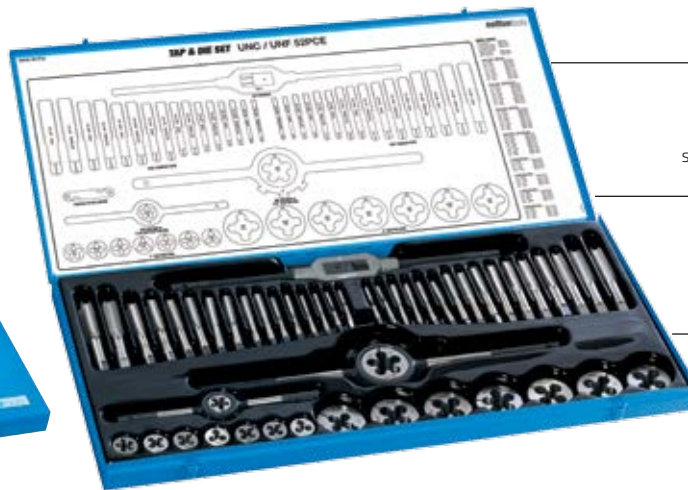
M564 NF18

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	List 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	\$1,521.03
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	\$1,539.73
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	\$1,645.26
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	\$1,568.78
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	\$662.56
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 x2.5mm*, Bonus Thread Pitch Gauge	#6 Bar Type	1" & 2"	52	M500 NFM52	9311963419602	\$1,578.04

Threading HSS, Tap & Die Sets

Discount Group: D0204

Set	Contents	Tap Wrench	Button Die Holders	Pieces	Item #	Barcode	List 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"	17	M551 M18	9311963596662	\$614.27
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"	17	M561 NC18	9311963596679	\$672.29
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"	17	M564 NF18	9311963596686	\$657.96

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	List Price
Metric (60°) & Whitworth (55°)	0.25 – 6.0mm & 4 – 62 TPI	52	268MW0052	9311744436026	\$29.51
Metric (60°) & Pipe (BSP 55°)	0.25 – 6.0mm & 8 – 28 TPI	30	268MG0030	9311744436019	\$29.51
UNC (60°)	4 – 64 TPI	22	268UNC022	9311744436033	\$25.64
UNF (60°)	12 – 80 TPI	16	268UNF016	9311744436040	\$24.37

Threading Workshop Range



Carbon Tap & Drill Sets

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



267013103

267003103

267001030



Application

DIY

Discount Group: D0802

Size	Pitch	Drill Ø	Pieces	Item #	Barcode	List Price
Carbon Tap and Drill Set						
M3	0.5	2.5 mm		267001030	9311744445479	\$6.55
M4	0.7	3.3 mm		267001040	9311744445486	\$7.99
M5	0.8	4.2 mm		267001050	9311744445493	\$8.54
M6	1	5.0 mm		267001060	9311744445509	\$9.36
M8	1.25	6.8 mm		267001080	9311744445516	\$14.27
M10	1.5	8.5 mm		267001100	9311744445523	\$17.91
M12	1.75	10.2 mm		267001120	9311744445530	\$24.80
Carbon Die Set						
Metric Die Set	M5 x 0.8, M6 x 1.0, M8 x 1.25		3	267013103	9311744445394	\$13.17
Imperial Die Set	5/16", 1/4", 3/16"		3	267013203	9311744445387	\$13.17
Carbon Tap Set						
Metric Tap Set	M5 x 0.8, M6 x 1.0, M8 x 1.25		3	267003103	9311744445417	\$10.97
Imperial Tap Set	5/16", 1/4", 3/16"		3	267003203	9311744445400	\$10.97

Tap Wrench T-Bar

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

Tap Wrench T-Bar Ratchet

Two-way ratchet action offers additional functionality (forward and reverse tapping) with its adjustable handle.



267040106

267040112

267040210

267041325

267040312



Tap Wrench and Die Holder

Designed to suit P&N range of hand taps and dies.

It has long handles for better balance and control and is constructed to withstand the torque applied during the tapping operation. Bar-Type tap wrenches and die holders are the recommended choice for producing quality threads.

Discount Group: D0802

Description	Range	Item #	Barcode	List Price
Wrench T Bar 1/4"	M3 - M6	267040106	9311744445424	\$14.27
Wrench T Bar 1/2"	M6 - M12	267040112	9311744445431	\$23.09
Wrench Ratchet	M3 - M10	267040210	9311744445448	\$31.92
Die Holder	1"	267041325	9311744445455	\$21.99
Tap Wrench	M3 - M12	267040312	9311744445462	\$21.99

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	List Price
Hand Taps					
Tap Set – Metric	Intermediate taps: M5 x 0.8, M6 x 1.0, M8 x 1.25	3	92196	9312621921963	\$7.65
Tap Set – Imperial	Intermediate taps: 5/16, 1/4, 3/16"	3	92197	9312621921970	\$7.58
Tap Wrench 1/4"	Suitable for M3 – M6	1	92200	9312621922007	\$12.14
Tap Wrench 1/2"	Suitable for M7 – M12	1	92201	9312621922014	\$12.14
Button Dies					
1" Button Die – Metric	M5 x 0.8, M6 x 1.0, M8 x 1.25	3	92198	9312621921987	\$12.14
1" Button Die – Imperial	UNC 3/16", 1/4", 5/16"	3	92199	9312621921994	\$12.14
Button Die Holder	1" Die Holder	1	92202	9312621922021	\$18.25
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	\$90.13
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	\$90.13
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				

Threading Screw Extractors



Discount Group: D0302

Description	Screw / Bolt Size	Qty	Item #	Barcode	List Price
Screw Extractor Set – 5 Piece	3 – 6, 6 – 8, 8 – 11, 11 – 14, 14 – 18mm bolts	5	92369	9312621923691	\$7.59



Threading Screw Extractors

suttontools

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

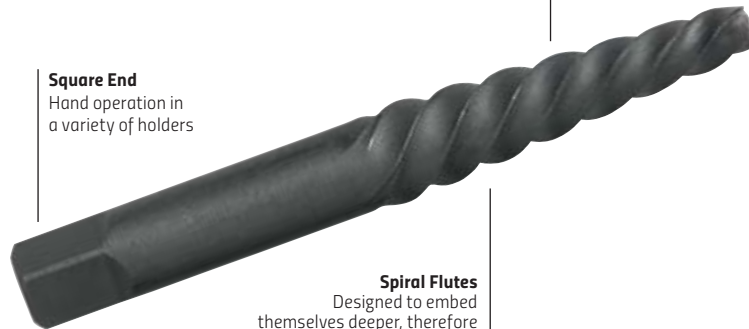
Aggressive Left Hand Spiral
For extra gripping power

Square End
Hand operation in a variety of holders

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

Application

DIY
Trade
Automotive
Plumbing
Machine Shop
MRO



Discount Group: D0302

Size	Drill Size	Screw / Bolt Size Range		Qty	Item #	Barcode	List Price
		Metric	Imperial				
Carded					M600		
# 1	2.0	M4 – M5	5/32 – 3/16	1	M600 0001	93829663	\$9.52
# 2	3.0	M6 – M8	7/32 – 1/4	1	M600 0002	93829670	\$10.07
# 3	4.0	M8 – M10	5/16 – 3/8	1	M600 0003	93829687	\$12.06
# 4	5.5	M10 – M14	3/8 – 1/2	1	M600 0004	93829694	\$13.05
# 5	7.5	M14 – M20	9/16 – 3/4	1	M600 0005	93829700	\$15.01
Bulk - Telepack					M601		
# 1	2.0	M4 – M5	5/32 – 3/16	10	M601 0001	9311963005737	\$8.70
# 2	3.0	M6 – M8	7/32 – 1/4	10	M601 0002	9311963008226	\$9.29
# 3	4.0	M8 – M10	5/16 – 3/8	5	M601 0003	9311963007038	\$11.44
# 4	5.5	M10 – M14	3/8 – 1/2	5	M601 0004	9311963008233	\$12.28
# 5	7.5	M14 – M20	9/16 – 3/4	5	M601 0005	9311963009148	\$14.23
# 6	10.5	M20 – M27	7/8 – 1	1	M601 0006	9311963072227	\$18.40
# 7	13.5	M27 – M36	1 – 1-1/2	1	M601 0007	9311963072234	\$29.04
# 8	20.0	M36 – M48	1-3/8 – 1-3/4	1	M601 0008	9311963072241	\$129.85
# 9	27.0	M48 – M56	1-3/4 – 2-1/8	1	M601 0009	9311963072258	\$175.08
Screw Extractor and Drill Sets					M602		
# 1	2.0	M4 – M5	5/32 – 3/16	1	M602 0001	9311963344348	\$12.02
# 2	3.0	M6 – M8	7/32 – 1/4	1	M602 0002	9311963344355	\$12.34
# 3	4.0	M8 – M10	5/16 – 3/8	1	M602 0003	9311963344362	\$15.31
# 4	5.5	M10 – M14	3/8 – 1/2	1	M602 0004	9311963344379	\$19.71
# 5	7.5	M14 – M20	9/16 – 3/4	1	M602 0005	9311963344386	\$22.62
Screw Extractor Sets				Pieces	M603		
S15	# 1 – # 5 screw ext.			5	M603 S15	9311963003191	\$60.90
S15A	# 1 – # 6 screw ext.			6	M603 S15A	9311963004105	\$79.03
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	\$96.88
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	\$96.88
Left Hand Cobalt Jobber Drills (Discount group A0404) see Drills section					D202		



M602 0001



M603 S15



D202 0750

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 centre punching required.
- Can drill into Grade 8 bolts.
- Bell-shaped drill head allows tool to be pivoted inside drill hole helping to stay on centre.
- 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 centre punching required.
- Can drill into Grade 8 bolts.

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

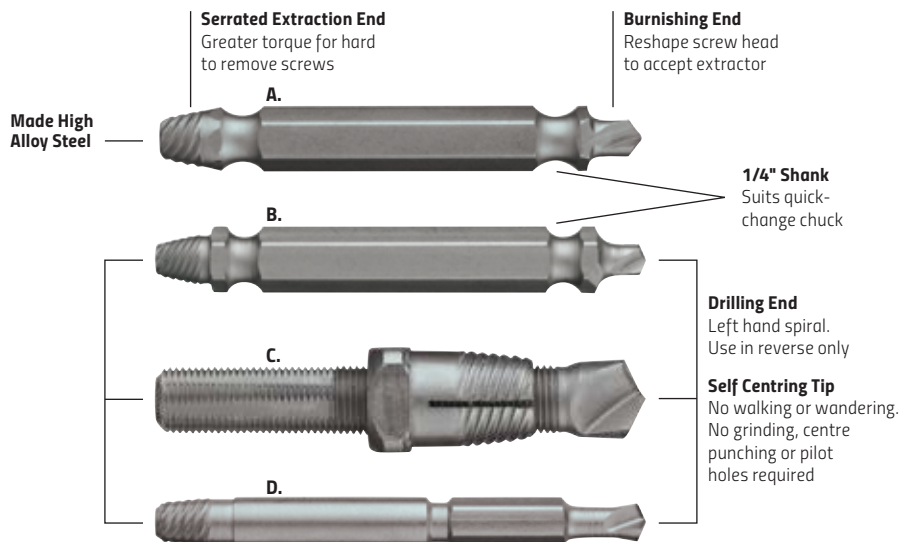
	Screw Sizes								Bolt / Metal Thread Size (Imp.)					Bolt / Metal Thread Size (Metric)							
	4G	5G	6-7G	8G	9-10G	11-12G	14G	16-24G	3/16	1/4	5/16	3/8	1/2	M3	M4	M5	M6	M8	M10	M12	
8501P	■	■	■																		
8502P				■	■																
8503P						■	■														
8401P	■	■	■						■							■					
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.



Application

DIY
Trade
Automotive
Plumbing
Machine Shop
MRO

Discount Group: D0302

Description	Screw Size	Bolt / Metal Thread Size Imperial	Metric	Pieces	Item #	Barcode	List Price
Grabit – Screw Extractor (Hardened Steel)							
2 Piece Set (#2, #3)	8 – 14G	-	-	2	8520P	727708085206	\$25.64
3 Piece Set (#1, #2, #3)	4 – 14G	-	-	3	8530P	727708085305	\$38.52
Combo Set							
Grabit (#1, #2)	4 – 10G			6	6280P	727708062801	\$96.44
Drill-Out (5/16, 3/8)		5/16 – 3/8					
Micro (#1, #2)			M8 – 10, M3 – 4				
Grabit Pro – Screw & Bolt Extractor (HSS)							
2 Piece Set (#1, #2)	4 – 10G	3/16 – 1/4	M5 – 6	2	8420P	727708084209	\$50.14
3 Piece Set (#1, #2, #3)	4 – 14G	3/16 – 5/16	M5 – 8	3	8430P	727708084308	\$63.01
4 Piece Set (#1, #2, #3, #4)	4 – 24G	3/16 – 3/8	M5 – 10	4	8440P	727708084407	\$75.87
Grabit Drill Out – Large Bolt Extractor (HSS)							
4 Piece Set (1/4, 5/16, 3/8, 1/2)	-	1/4 – 1/2	M6 – 12	4	4017P	727708040175	\$96.44
Grabit Micro – Small Bolt Extractor (HSS)							
4 Piece Set (#1, #2, #3, #4)	-	3/16 – 1/4	M3 – 6	4	4507P	727708045071	\$60.37



8530P



8440P



4017P



4507P

Threading Tapping Drill Size Chart

M ISO METRIC COARSE (60°)

Tap Size	Pitch mm	Tapping Drill mm
M1.6	0.35	1.25
M2	0.4	1.6
M2.5	0.45	2.05
M3	0.5	2.5
M3.5	0.6	2.9
M4	0.7	3.3
M4.5	0.75	3.7
M5	0.8	4.2
M6	1.0	5.0
M8	1.25	6.8
M10	1.5	8.5
M12	1.75	10.2
M14	2.0	12.0
M16	2.0	14.0
M18	2.5	15.5
M20	2.5	17.5
M22	2.5	19.5
M24	3.0	21.0
M27	3.0	24.0
M30	3.5	26.5
M33	3.5	29.5
M36	4.0	32.0
M42	4.5	37.5
M45	4.5	40.5
M48	5.0	43.0
M52	5.0	47.0
M56	5.5	50.5

MF ISO METRIC FINE (60°)

Tap Size	Pitch mm	Tapping Drill mm
M4	0.5	3.5
M5	0.5	4.5
M6	0.75	5.3
M8	1.0	7.0
M10**	1.0	9.0
M10	1.25	8.8
M12**	1.25	10.8
M12	1.5	10.5
M14**	1.25	12.8
M14	1.5	12.5
M16*	1.5	14.5
M18**	1.5	16.5
M20*	1.5	18.5
M22	1.5	20.5
M24	2.0	22.0
M25*	1.5	23.5
M32*	1.5	30.5
M40*	1.5	38.5
M50*	1.5	48.5

*Metric Conduit **Spark Plug

8UN (8 TPI) UNIFIED NATIONAL FORM (60°)

Tap Size	TPI	Tapping Drill mm
1-1/8	8	25.5
1-1/4	8	28.5
1-3/8	8	31.75
1-1/2	8	35.0
1-5/8	8	38.0
1-3/4	8	41.5
1-7/8	8	44.5
2	8	47.5

UNC UNIFIED NATIONAL COARSE (60°)

Tap Size	TPI	Tapping Drill mm
#2 (.086)	56	1.85
#3 (.099)	48	2.1
#4 (.112)	40	2.3
#5 (.125)	40	2.6
#6 (.138)	32	2.8
#8 (.164)	32	3.4
#10 (.190)	24	3.8
#12 (.216)	24	4.5
1/4	20	5.1
5/16	18	6.6
3/8	16	8.0
7/16	14	9.4
1/2	13	10.8
9/16	12	12.2
5/8	11	13.5
3/4	10	16.5
7/8	9	19.5
1	8	22.2
1-1/8	7	25.0
1-1/4	7	28.0
1-3/8	6	31.0
1-1/2	6	34.0
1-3/4	5	39.5
2	4.5	45.0

UNF UNIFIED NATIONAL FINE (60°)

Tap Size	TPI	Tapping Drill mm
#3 (.099)	56	2.1
#4 (.112)	48	2.35
#5 (.125)	44	2.65
#6 (.138)	40	2.9
#8 (.164)	36	3.5
#10 (.190)	32	4.1
#12 (.216)	28	4.6
3/16*	32	4.0
1/4	28	5.5
5/16	24	6.9
3/8	24	8.5
7/16	20	9.8
1/2	20	11.5
9/16	18	12.8
5/8	18	14.5
3/4	16	17.5
7/8	14	20.5
1	12	23.5
1*	14	24.0
1-1/8	12	26.5
1-1/4	12	29.5
1-3/8	12	33.01
1-1/2	12	36.0

*UNS

UNEF UNIFIED NATIONAL FORM (60°)

Tap Size	TPI	Tapping Drill mm
1/4	32	5.6
5/16	32	7.2
3/8	32	8.8
1/2	28	11.8
5/8	24	14.75
3/4	20	18
1	20	24.2

BSW BRITISH STANDARD WHITWORTH (55°)

Tap Size	TPI	Tapping Drill mm
1/16*	60	1.2
3/32*	48	1.85
1/8	40	2.55
5/32*	32	3.2
3/16	24	3.7
7/32*	24	4.5
1/4	20	5.1
5/16	18	6.5
3/8	16	7.9
7/16	14	9.3
1/2	12	10.5
9/16	12	12.1
5/8	11	13.5
3/4	10	16.25
7/8	9	19.25
1	8	22.0
1-1/8	7	24.75
1-1/4	7	28.0
1-1/2	6	33.5
1-3/4	5	39.0
2	4-1/2	44.5

*WHIT. Form

BSF BRITISH STANDARD FINE (55°)

Tap Size	TPI	Tapping Drill mm
3/16	32	4.0
7/32	28	4.6
1/4	26	5.3
5/16	22	6.8
3/8	20	8.3
7/16	18	9.8
1/2	16	11.0
9/16	16	12.7
5/8	14	14.0
11/16	14	15.5
3/4	12	16.75
7/8	11	19.75
1	10	22.75
1-1/8	9	25.5
1-1/4	9	28.5
1-1/2	8	34.5
1-3/4	7	41.0

BSB BRITISH STANDARD BRASS (55°)

Tap Size	TPI	Tapping Drill mm
1/4	26	5.2
5/16	26	6.8
3/8	26	8.4
7/16	26	10.0
1/2	26	11.6
9/16	26	13.2
5/8	26	14.8
3/4	26	18.0
7/8	26	20.8
1	26	24.3

*Taper pipe threads of improved quality are obtained when the tapping hole is pre-formed using Sutton Taper Pipe Reamers.

Threading Tapping Drill Size Chart

Rc (BSP7)*
ISO Rc TAPER SERIES 1:16 (55°)

Tap Size	TPI	Drill Only*	Drill & Reamer
Rc 1/16	28	6.4	6.2
Rc 1/8	28	8.4	8.4
Rc 1/4	19	11.2	10.8
Rc 3/8	19	14.75	14.5
Rc 1/2	14	18.25	18.0
Rc 3/4	14	23.75	23.0
Rc 1	11	30.0	29.0
Rc 1-1/4	11	38.5	38.0
Rc 1-1/2	11	44.5	44.0
Rc 2	11	56.0	55.0

G (BSPF)
ISO G PARALLEL SERIES (55°)

Tap Size	TPI	Tapping Drill mm
G 1/16	28	6.8
G 1/8	28	8.8
G 1/4	19	11.8
G 3/8	19	15.3
G 1/2	14	19.0
G 5/8	14	21.0
G 3/4	14	24.5
G 7/8	14	28.5
G 1	11	31.0
G 1-1/4	11	39.5
G 1-1/2	11	45.5
G 1-3/4	11	51.5
G 2	11	57.5
G 2-1/2	11	72.5

Rp (BSPPL)
SEALING PIPE THREAD PARALLEL (55°)

Rp 1/8	28	8.6
Rp 1/4	19	11.5
Rp 3/8	19	15.0
Rp 1/2	14	18.5
Rp 3/4	14	24.0
Rp 1	11	30.2
Rp 1-1/4	11	39.0
Rp 1-1/2	11	45.0
Rp 2	11	56.4

Pg (Steel Conduit)
(80°)

Pg7	20	11.3
Pg9	18	13.9
Pg11	18	17.3
Pg13.5	18	19.1
Pg16	18	21.2
Pg21	15	26.8

THREAD FORMING
(FLUTELESS TAPS)

Tap Size	Pitch mm	Tapping Drill mm
METRIC COARSE		
M1	0.25	0.9
M1.1	0.25	1.0
M1.2	0.25	1.1
M1.4	0.3	1.28
M1.6	0.35	1.45
M1.7	0.35	1.55
M1.8	0.35	1.65
M2.0	0.40	1.8
M2.2	0.45	2.0
M2.3	0.4	2.1
M2.5	0.45	2.3
M2.6	0.45	2.4
M3	0.5	2.8
M3.5	0.6	3.2
M4	0.7	3.7
M5	0.8	4.6
M6	1.0	5.5
M8	1.25	7.4
M10	1.5	9.3
M12	1.75	11.2
BSW		
1/8	40	2.9
5/32	32	3.6
3/16	24	4.3
1/4	20	5.8
5/16	18	7.3
3/8	16	8.8

NPT-NPTF*
NATIONAL PIPE TAPER 1:16 (60°)

Tap Size	TPI	Drill Only*	Drill & Reamer
1/16	27	6.3	6.0
1/8	27	8.5	8.2
1/4	18	11.0	10.8
3/8	18	14.5	14.0
1/2	14	18.0	17.5
3/4	14	23.0	23.0
1	11-1/2	29.0	28.5
1-1/4	11-1/2	37.5	37.0
1-1/2	11-1/2	44	43.5
2	11-1/2	55.5	55.0

NPSF
NATIONAL PIPE STRAIGHT (60°)

Tap Size	TPI	Tapping Drill mm
1/8	27	8.6
1/4	18	11.3
3/8	18	14.5
1/2	14	18.0

THREAD FORMING
(FLUTELESS TAPS)

Tap Size	T.P.I.	Tapping Drill mm
UNC		
#1 (.073)	64	1.7
#2 (.086)	56	2.0
#3 (.099)	48	2.3
#4 (.112)	40	2.6
#5 (.125)	40	2.9
#6 (.138)	32	3.2
#8 (.164)	32	3.8
#10 (.190)	24	4.4
#12 (.216)	24	5.0
1/4	20	5.8
5/16	18	7.3
3/8	16	8.8
7/16	14	10.2
1/2	13	11.7

UNF

#1 (.073)	72	1.7
#2 (.086)	64	2.0
#3 (.099)	56	2.3
#4 (.112)	48	2.6
#5 (.125)	44	2.9
#6 (.138)	40	3.2
#8 (.164)	36	3.9
#10 (.190)	32	4.5
#12 (.216)	28	5.1
1/4	28	6.0
5/16	24	7.5
3/8	24	9.0
7/16	20	10.6
1/2	20	12.1

G (BSPF)

1/8	28	9.25
1/4	19	12.5
3/8	19	16.0
1/2	14	20.0
5/8	14	22.0
3/4	14	25.5
7/8	14	29.25
1	11	32.0

BA
BRITISH ASSOCIATION (47.5°)

Tap Size	Pitch mm	Tapping Drill mm
0	1	5.1
1	0.9	4.5
2	0.81	4.0
3	0.73	3.4
4	0.66	3.0
5	0.59	2.65
6	0.53	2.3
7	0.48	2.05
8	0.43	1.8
9	0.39	1.55
10	0.35	1.4
11	0.31	1.2
12	0.28	1.05
13	0.25	0.98
14	0.23	0.8
15	0.21	0.7
16	0.19	0.6

