CORTECH
Creando Soluciones

Roscado

Roscas precisas en barrenos pasados y ciegos.



Machuelos de corte y de formado, helicoidales y punta de lanza, más verificadores para asegurar cada rosca. Te recomendamos el tipo de machuelo según el material y el tipo de barreno.

Machuelos de corte
Rectos, para barrenos pasados y ciegos en materiales de uso general.

Formadores
Roscas por laminación, sin viruta y con mayor resistencia de la rosca.

Helicoidales
Sacan la viruta hacia arriba; ideales para barrenos ciegos.

Gun (punta de lanza)
Empujan la viruta hacia adelante en barrenos pasados; permiten mayor velocidad.

Verificadores de roscas
Calibres pasa / no pasa para control de calidad.

Juegos de machuelos
Juegos de machuelos y tarrajas para mantenimiento.

MARCAS EN ESTA LÍNEA

OSG Royco · CLEVELAND · union materials · CHAMPION CUTTING TOOL CORP

FULLERTON Straight Shank Straight Flute Chucking Reamers (cont.)



Size	LOC (in.)	OAL (in.)	No. of Flutes	Order No.	Price
.1660	7/8	2-3/4	4	**FT8014069**	Price
.1695	7/8	2-3/4	4	**FT8014070**	Price
.1719	7/8	2-3/4	4	**FT8014071**	Price
.1719	1	4	4	**FT8014514**	Price
.1730	7/8	2-3/4	4	**FT8014072**	Price
.1770	7/8	2-3/4	4	**FT8014073**	Price
.1772	22mm	2-3/4	4	**FT8014074**	Price
.1800	7/8	2-3/4	4	**FT8014075**	Price
.1820	7/8	2-3/4	4	**FT8014076**	Price
.1850	7/8	2-3/4	4	**FT8014077**	Price
.1865	7/8	2-3/4	4	**FT8014155**	Price
.1870	7/8	2-3/4	4	**FT8014156**	Price
.1872	7/8	2-3/4	4	**FT8014157**	Price
3/16	7/8	2-3/4	4	**FT8014078**	Price
3/16	1-1/8	4-1/2	4	**FT8014515**	Price
.1880	7/8	2-3/4	4	**FT8014158**	Price
.1885	7/8	2-3/4	4	**FT8014159**	Price
.1910	7/8	2-3/4	4	**FT8014080**	Price
.1935	1	3	6	**FT8014081**	Price
.1960	1	3	6	**FT8014082**	Price
.1969	25mm	3	6	**FT8014083**	Price
.1990	1	3	6	**FT8014084**	Price
.2010	1	3	6	**FT8014085**	Price
.2031	1-1/4	5	6	**FT8014516**	Price
.2031	1	3	6	**FT8014086**	Price
.2040	1	3	6	**FT8014087**	Price
.2055	1	3	6	**FT8014088**	Price
.2090	1	3	6	**FT8014089**	Price
.2130	1	3	6	**FT8014090**	Price
.2165	25mm	3	6	**FT8014091**	Price
.2188	1-1/4	5	6	**FT8014517**	Price
.2188	1	3	6	**FT8014092**	Price
.2210	1	3	6	**FT8014093**	Price
.2280	1	3	6	**FT8014094**	Price
.2344	1	3	6	**FT8014096**	Price
.2344	1-1/4	6	6	**FT8014518**	Price
.2362	25mm	3	6	**FT8014097**	Price
.2490	1	3	6	**FT8014160**	Price

Size	LOC (in.)	OAL (in.)	No. of Flutes	Order No.	Price
.2495	1	3	6	**FT8014161**	Price
.2497	1	3	6	**FT8014162**	Price
1/4	1	3	6	**FT8014098**	Price
1/4	1-1/2	6	6	**FT8014519**	Price
.2505	1	3	6	**FT8014163**	Price
.2510	1	3	6	**FT8014164**	Price
.2559	28mm	3-1/4	6	**FT8014099**	Price
.2969	1-5/8	6	6	**FT8014522**	Price
.2656	1-1/8	3-1/4	6	**FT8014100**	Price
.2656	1-1/2	6	6	**FT8014520**	Price
.2756	28mm	3-1/4	6	**FT8014101**	Price
9/32	1-1/2	6	6	**FT8014521**	Price
9/32	1-1/8	3-1/4	6	**FT8014102**	Price
7.50	28mm	3-1/4	6	**FT8014103**	Price
.2969	1-1/8	3-1/4	6	**FT8014104**	Price
.3115	1-1/8	3-1/4	6	**FT8014165**	Price
.3120	1-1/8	3-1/4	6	**FT8014166**	Price
5/16	1-5/8	6	6	**FT8014523**	Price
5/16	1-1/8	3-1/4	6	**FT8014105**	Price
.3130	1-1/8	3-1/4	6	**FT8014167**	Price
.3135	1-1/8	3-1/4	6	**FT8014168**	Price
8.00	28mm	3-1/4	6	**FT8014106**	Price
21/64	1-1/4	3-1/2	6	**FT8014107**	Price
21/64	1-5/8	6	6	**FT8014524**	Price
8.50	1.26	3-1/2	6	**FT8014108**	Price
11/32	1-5/8	6	6	**FT8014525**	Price
11/32	1-1/4	3-1/2	6	**FT8014109**	Price
9.00	1.26	3-1/2	6	**FT8014110**	Price
23/64	1-1/4	3-1/2	6	**FT8014111**	Price
23/64	1-3/4	7	6	**FT8014526**	Price
9.50	1.26	3-1/2	6	**FT8014112**	Price
9.50	1-1/4	3-1/2	6	**FT8014169**	Price
.3745	1-1/4	3-1/2	6	**FT8014170**	Price
3/8	1-1/4	3-1/2	6	**FT8014113**	Price
3/8	1-3/4	7	6	**FT8014527**	Price
.3755	1-1/4	3-1/2	6	**FT8014171**	Price
.3760	1-1/4	3-1/2	6	**FT8014172**	Price
25/64	1-1/2	4	6	**FT8014114**	Price

Size	LOC (in.)	OAL (in.)	No. of Flutes	Order No.	Price
25/64	1-3/4	7	6	**FT8014528**	Price
10.00	1.496	4	6	**FT8014115**	Price
13/32	1-3/4	7	6	**FT8014529**	Price
13/32	1-1/2	4	6	**FT8014116**	Price
10.50	1.496	4	6	**FT8014117**	Price
27/64	1-1/2	4	6	**FT8014118**	Price
27/64	1-3/4	7	6	**FT8014530**	Price
11.00	1.496	4	6	**FT8014119**	Price
.4365	1-1/2	4	6	**FT8014173**	Price
.4370	1-1/2	4	6	**FT8014180**	Price
7/16	1-3/4	7	6	**FT8014531**	Price
7/16	1-1/2	4	6	**FT8014120**	Price
.4380	1-1/2	4	6	**FT8014181**	Price
.4385	1-1/2	4	6	**FT8014174**	Price
11.50	1.496	4	6	**FT8014121**	Price
29/64	1-3/4	8	6	**FT8014532**	Price
29/64	1-1/2	4	6	**FT8014122**	Price
15/32	1-1/2	4	6	**FT8014123**	Price
15/32	1-3/4	8	6	**FT8014533**	Price
12.00	1.496	4	6	**FT8014124**	Price
31/64	1-3/4	8	6	**FT8014534**	Price
31/64	1-1/2	4	6	**FT8014125**	Price
12.50	1.496	4	6	**FT8014126**	Price
.4990	1-1/2	4	6	**FT8014175**	Price
.4995	1-1/2	4	6	**FT8014182**	Price
1/2	1-1/2	4	6	**FT8014127**	Price
1/2	1-3/4	8	6	**FT8014535**	Price
.5005	1-1/2	4	6	**FT8014183**	Price
.5010	1-1/2	4	6	**FT8014176**	Price
9/16	1-7/8	9	6	**FT8014536†**	Price
5/8	1-7/8	9	6	**FT8014537†**	Price
11/16	2	9-1/2	6	**FT8014538†**	Price
3/4	2	9-1/2	6	**FT8014539†**	Price
7/8	2	10	8	**FT8014540†**	Price
1	2	10	8	**FT8014541†**	Price

† Solid carbide head on steel shank

General Purpose Hand Taps

Machine Screw Sizes • Straight Flute • Ground Thread • High Speed Steel



Bottoming



Plug



Taper

			Bottoming				Plug				Taper			
			ProCut		Rapidkut		ProCut		Rapidkut		ProCut		Rapidkut	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
0-80	H1	2	**EK50900801B**	Price	**EK65900801B**	Price	**EK50900801P**	Price	**EK65900801P**	Price	**EK50900801T**	Price	**EK65900801T**	Price
0-80	H2	2	**EK50900802B**	Price	**EK65900802B**	Price	**EK50900802P**	Price	**EK65900802P**	Price	**EK50900802T**	Price	**EK65900802T**	Price
1-64	H1	2	**EK50901641B**	Price	**EK65901641B**	Price	**EK50901641P**	Price	**EK65901641P**	Price	**EK50901641T**	Price	**EK65901641T**	Price
1-64	H2	2	**EK50901642B**	Price	**EK65901642B**	Price	**EK50901642P**	Price	**EK65901642P**	Price	**EK50901642T**	Price	**EK65901642T**	Price
1-72	H1	2	**EK50901722B**	Price	**EK65901721B**	Price	**EK50901722P**	Price	**EK65901721P**	Price	**EK50901721T**	Price	**EK65901721T**	Price
1-72	H2	2	**EK50901721B**	Price	**EK65901722B**	Price	**EK50901721P**	Price	**EK65901722P**	Price	**EK50901722T**	Price	**EK65901722T**	Price
2-56	H1	3	-	-	**EK65902561B**	Price	**EK50902561P**	Price	**EK65902561P**	Price	**EK50902561T**	Price	**EK65902561T**	Price
2-56	H2	3	**EK50902562B**	Price	**EK65902562B**	Price	**EK50902562P**	Price	**EK65902562P**	Price	**EK50902562T**	Price	**EK65902562T**	Price
2-64	H1	3	**EK50902641B**	Price	**EK65902641B**	Price	**EK50902641P**	Price	**EK65902641P**	Price	**EK50902641T**	Price	-	-
2-64	H2	3	**EK50902642B**	Price	**EK65902642B**	Price	**EK50902642P**	Price	**EK65902642P**	Price	**EK50902642T**	Price	-	-
3-48	H1	3	-	-	**EK65903481B**	Price	-	-	**EK65903481P**	Price	**EK50903481T**	Price	-	-
3-48	H2	3	**EK50903482B**	Price	**EK65903482B**	Price	**EK50903482P**	Price	**EK65903482P**	Price	**EK50903482T**	Price	**EK65903482T**	Price
3-56	H2	3	**EK50903562B**	Price	**EK65903562B**	Price	**EK50903562P**	Price	**EK65903562P**	Price	**EK50903562T**	Price	**EK65903562T**	Price
3-56	H1	3	**EK50903561B**	Price	-	-	**EK50903561P**	Price	-	-	-	-	-	-
4-36	H1	3	-	-	**EK65904361B**	Price	**EK50904361P**	Price	-	-	-	-	-	-
4-36	H2	3	**EK50904362B**	Price	**EK65904362B**	Price	**EK50904362P**	Price	**EK65904362P**	Price	**EK50904362T**	Price	-	-
4-40	H1	3	**EK50904401B**	Price	-	-	**EK50904401P**	Price	**EK65904401P**	Price	-	-	**EK65904401T**	Price
4-40	H2	3	**EK50904402B**	Price	**EK65904402B**	Price	**EK50904402P**	Price	**EK65904402P**	Price	**EK50904402T**	Price	**EK65904402T**	Price
4-48	H1	3	-	-	-	-	-	-	**EK65904481P**	Price	-	-	-	-
4-48	H2	3	**EK50904482B**	Price	**EK65904482B**	Price	**EK50904482P**	Price	**EK65904482P**	Price	**EK50904482T**	Price	**EK65904482T**	Price
5-40	H1	3	-	-	**EK65905401B**	Price	**EK50905401P**	Price	**EK65905401P**	Price	-	-	**EK65905401T**	Price
5-40	H2	3	**EK50905402B**	Price	**EK65905402B**	Price	**EK50905402P**	Price	**EK65905402P**	Price	**EK50905402T**	Price	**EK65905402T**	Price
5-44	H1	3	**EK50905442B**	Price	**EK65905441B**	Price	**EK50905442P**	Price	**EK65905441P**	Price	**EK50905442T**	Price	-	-
5-44	H2	3	**EK50905441B**	Price	**EK65905442B**	Price	-	-	**EK65905442P**	Price	**EK50905441T**	Price	**EK65905442T**	Price

(continued on next page)

General Purpose Hand Taps (cont.)

Machine Screw Sizes • Straight Flute • Ground Thread • High Speed Steel



Bottoming



Plug



Taper

PROCUT RAPIDKUT PROCUT RAPIDKUT PROCUT RAPIDKUT

			Bottoming				Plug				Taper			
					Rapidkut		ProCut		Rapidkut		ProCut		Rapidkut	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
6-32	H1	3	-	-	EK65906321B	Price	EK50906321P	Price	-	-	EK50906321T	Price	-	-
6-32	H2	3	EK50906322B	Price	EK65906322B	Price	EK50906322P	Price	EK65906322P	Price	EK50906322T	Price	EK65906322T	Price
6-32	H3	3	EK50906323B	Price	EK65906323B	Price	EK50906323P	Price	EK65906323P	Price	EK50906323T	Price	EK65906323T	Price
6-40	H1	3	EK50906401B	Price	EK65906401B	Price	EK50906401P	Price	EK65906401P	Price	EK50906401T	Price	-	-
6-40	H2	3	EK50906402B	Price	EK65906402B	Price	EK50906402P	Price	EK65906402P	Price	EK50906402T	Price	EK65906402T	Price
6-40	H3	3	EK50906403B	Price	-	-	EK50906403P	Price	EK65906403P	Price	EK50906403T	Price	-	-
8-32	H1	4	EK50908321B	Price	-	-	EK50908321P	Price	EK65908321P	Price	-	-	EK65908321T	Price
8-32	H2	4	EK50908322B	Price	EK65908322B	Price	EK50908322P	Price	EK65908322P	Price	EK50908322T	Price	EK65908322T	Price
8-32	H3	4	EK50908323B	Price	EK65908323B	Price	EK50908323P	Price	EK65908323P	Price	EK50908323T	Price	EK65908323T	Price
8-36	H1	3	-	-	-	-	-	-	EK65908361P	Price	-	-	-	-
8-36	H1	4	-	-	EK65908361B	Price	-	-	-	-	-	-	EK65908361T	Price
8-36	H2	4	EK50908362B	Price	EK65908362B	Price	EK50908362P	Price	EK65908362P	Price	EK50908362T	Price	EK65908362T	Price
8-36	H3	4	EK50908363B	Price	-	-	EK50908363P	Price	EK65908363P	Price	EK50908363T	Price	-	-
10-24	H1	4	-	-	EK65910241B	Price	EK50910241P	Price	EK65910241P	Price	-	-	EK65910241T	Price
10-24	H2	4	EK50910242B	Price	EK65910242B	Price	EK50910242P	Price	EK65910242P	Price	EK50910242T	Price	EK65910242T	Price
10-24	H3	4	EK50910243B	Price	EK65910243B	Price	EK50910243P	Price	EK65910243P	Price	EK50910243T	Price	EK65910243T	Price
10-32	H1	4	EK50910321B	Price	EK65910321B	Price	EK50910321P	Price	EK65910321P	Price	EK50910321T	Price	EK65910321T	Price
10-32	H2	4	EK50910322B	Price	EK65910322B	Price	EK50910322P	Price	EK65910322P	Price	EK50910322T	Price	EK65910322T	Price
10-32	H3	4	EK50910323B	Price	EK65910323B	Price	EK50910323P	Price	EK65910323P	Price	EK50910323T	Price	EK65910323T	Price
12-24	H1	4	EK50912241B	Price	EK65912241B	Price	-	-	EK65912241P	Price	-	-	EK65912241T	Price
12-24	H2	4	-	-	EK65912242B	Price	-	-	-	-	-	-	EK65912242T	Price
12-24	H3	4	EK50912243B	Price	EK65912243B	Price	EK50912243P	Price	EK65912243P	Price	EK50912243T	Price	EK65912243T	Price
12-28	H1	4	-	-	EK65912281B	Price	-	-	-	-	-	-	EK65912281T	Price
12-28	H3	4	EK50912283B	Price	EK65912283B	Price	EK50912283P	Price	EK65912283P	Price	EK50912283T	Price	EK65912283T	Price
14-20	H3	4	-	-	-	-	EK50914203P†	Price	-	-	EK50914203T†	Price	-	-
14-24	H1	4	-	-	-	-	EK50914241P†	Price	-	-	-	-	-	-
14-24	H3	4	EK50914243B†	Price	-	-	EK50914243P†	Price	-	-	EK50914243T†	Price	-	-

†National Thread Special

Hand Taps

Fractional Sizes • Straight Flute • Ground Thread • High Speed Steel

PROCUT RAPIDKUT PROCUT RAPIDKUT PROCUT RAPIDKUT

			Bottoming		Bottoming		Plug		Plug		Taper		Taper	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
9/16-18	H2	4	-	-	-	-	EK509182P	Price	-	-	EK509182T	Price	-	-
9/16-18	H3	4	EK509183B	Price	EK659183B	Price	EK509183P	Price	EK659183P	Price	EK509183T	Price	EK659183T	Price
9/16-18	H5	4	-	-	-	-	EK509185P	Price	-	-	-	-	-	-
5/8-11	H2	4	EK5010112B	Price	-	-	-	-	-	-	-	-	-	-
5/8-11	H3	4	EK5010113B	Price	EK6510113B	Price	EK5010113P	Price	EK6510113P	Price	EK5010113T	Price	EK6510113T	Price
5/8-18	H1	4	EK5010181B	Price	-	-	EK5010181P	Price	-	-	-	-	-	-
5/8-18	H3	4	EK5010183B	Price	EK6510183B	Price	EK5010183P	Price	EK6510183P	Price	EK5010183T	Price	EK6510183T	Price
5/8-18	H5	4	EK5010185B	Price	-	-	EK5010185P	Price	-	-	-	-	-	-
11/16-11	H3	4	EK5011113B	Price	EK6511113B	Price	EK5011113P	Price	EK6511113P	Price	EK5011113T	Price	EK6511113T	Price
11/16-16	H3	4	-	-	EK6511163B	Price	EK5011163P	Price	EK6511163P	Price	EK5011163T	Price	EK6511163T	Price
3/4-10	H3	4	EK5012103B	Price	EK6512103B	Price	EK5012103P	Price	EK6512103P	Price	EK5012103T	Price	EK6512103T	Price
3/4-10	H5	4	EK5012105B	Price	EK6512105B	Price	EK5012105P	Price	-	-	EK5012105T	Price	-	-
3/4-16	H1	4	-	-	-	-	EK5012161P	Price	-	-	-	-	-	-
3/4-16	H3	4	EK5012163B	Price	EK6512163B	Price	EK5012163P	Price	EK6512163P	Price	EK5012163T	Price	EK6512163T	Price
3/4-16	H4	4	-	-	-	-	EK5012164P	Price	-	-	EK5012164T	Price	-	-
3/4-16	H5	4	EK5012165B	Price	-	-	EK5012165P	Price	-	-	-	-	-	-
7/8-9	H2	4	-	-	-	-	EK5014092P	Price	-	-	-	-	-	-
7/8-9	H3	4	EK5014093B	Price	-	-	EK5014093P	Price	-	-	-	-	-	-
7/8-9	H4	4	EK5014094B	Price	EK6514094B	Price	EK5014094P	Price	EK6514094P	Price	EK5014094T	Price	EK6514094T	Price
7/8-14	H2	4	-	-	-	-	EK5014142P	Price	-	-	-	-	-	-
7/8-14	H3	4	EK5014143B	Price	-	-	-	-	-	-	-	-	-	-
7/8-14	H4	4	EK5014144B	Price	EK6514144B	Price	EK5014144P	Price	EK6514144P	Price	EK5014144T	Price	EK6514144T	Price
1-8	H4	4	EK5016084B	Price	EK6516084B	Price	EK5016084P	Price	EK6516084P	Price	EK5016084T	Price	EK6516084T	Price
1-12	H3	4	-	-	-	-	EK5016123P	Price	-	-	-	-	-	-
1-12	H4	4	EK5016124B	Price	EK6516124B	Price	EK5016124P	Price	EK6516124P	Price	EK5016124T	Price	EK6516124T	Price
1-14	H4	4	EK5016144B	Price	EK6516144B	Price	EK5016144P	Price	EK6516144P	Price	EK5016144T	Price	EK6516144T	Price
1-1/8-7	H4	4	EK5018074B	Price	EK6518074B	Price	EK5018074P	Price	EK6518074P	Price	EK5018074T	Price	EK6518074T	Price
1-1/8-12	H4	4	EK5018124B	Price	EK6518124B	Price	EK5018124P	Price	EK6518124P	Price	EK5018124T	Price	EK6518124T	Price
1-1/4-7	H4	4	EK5020074B	Price	EK6520074B	Price	EK5020074P	Price	EK6520074P	Price	EK5020074T	Price	EK6520074T	Price
1-1/4-12	H4	6	EK5020124B	Price	EK6520124B	Price	EK5020124P	Price	EK6520124P	Price	EK5020124T	Price	EK6520124T	Price
1-3/8-6	H4	4	EK5022064B	Price	EK6522064B	Price	EK5022064P	Price	EK6522064P	Price	EK5022064T	Price	EK6522064T	Price
1-3/8-12	H4	6	EK5022124B	Price	EK6522124B	Price	EK5022124P	Price	EK6522124P	Price	EK5022124T	Price	EK6522124T	Price
1-1/2-6	H4	4	EK5024064B	Price	EK6524064B	Price	EK5024064P	Price	EK6524064P	Price	EK5024064T	Price	EK6524064T	Price
1-1/2-12	H4	6	EK5024124B	Price	EK6524124B	Price	EK5024124P	Price	EK6524124P	Price	EK5024124T	Price	EK6524124T	Price

General Purpose Hand Taps

Fractional Sizes • Straight Flute • Ground Thread • High Speed Steel

- Optional tolerances available while supplies last
- Standard tolerances in stock for immediate delivery
- TiN coating available on all taps

RAPIDKUT™
- Manufactured in USA
- Consistent high quality threads
- General & production applications
- Premium steel ~ maximum tap life

PRO CUT™
- Made to strict ASA specifications, quality and economy

			Bottoming				Plug				Taper			
			ProCut		Rapidkut		ProCut		Rapidkut		ProCut		Rapidkut	
			Bottoming				Plug				Price			
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/4-20	H1	4	EK504201B	Price	EK654201B	Price	EK504201P	Price	EK654201P	Price	EK504201T	Price	EK654201T	Price
1/4-20	H2	4	EK504202B	Price	EK654202B	Price	EK504202P	Price	EK654202P	Price	EK504202T	Price	EK654202T	Price
1/4-20	H3	4	EK504203B	Price	EK654203B	Price	EK504203P	Price	EK654203P	Price	EK504203T	Price	EK654203T	Price
1/4-28	H1	4	EK504281B	Price	-	-	EK504281P	Price	-	-	-	-	-	-
1/4-28	H2	4	EK504282B	Price	EK654282B	Price	EK504282P	Price	EK654282P	Price	EK504282T	Price	EK654282T	Price
1/4-28	H3	4	EK504283B	Price	EK654283B	Price	EK504283P	Price	EK654283P	Price	EK504283T	Price	EK654283T	Price
1/4-28	H4	4	EK504284B	Price	-	-	-	-	EK654284P	Price	-	-	-	-
5/16-18	H1	4	EK505181B	Price	-	-	EK505181P	Price	-	-	-	-	-	-
5/16-18	H2	4	EK505182B	Price	EK655182B	Price	EK505182P	Price	EK655182P	Price	EK505182T	Price	EK655182T	Price
5/16-18	H3	4	EK505183B	Price	EK655183B	Price	EK505183P	Price	EK655183P	Price	EK505183T	Price	EK655183T	Price
5/16-18	H4	4	EK505184B	Price	-	-	-	-	-	-	-	-	-	-
5/16-18	H5	4	EK505185B	Price	EK655185B	Price	EK505185P	Price	EK655185P	Price	-	-	-	-
5/16-24	H1	4	EK505241B	Price	-	-	EK505241P	Price	-	-	EK505241T	Price	-	-
5/16-24	H2	4	EK505242B	Price	-	-	EK505242P	Price	EK655242P	Price	EK505242T	Price	EK655242T	Price
5/16-24	H3	4	EK505243B	Price	EK655243B	Price	EK505243P	Price	EK655243P	Price	EK505243T	Price	EK655243T	Price
5/16-24	H4	4	EK505244B	Price	-	-	EK505244P	Price	-	-	EK505244T	Price	-	-
5/16-24	H5	4	EK505245B	Price	-	-	EK505245P	Price	-	-	-	-	-	-
3/8-16	H1	4	EK506161B	Price	-	-	EK506161P	Price	-	-	-	-	-	-
3/8-16	H2	4	EK506162B	Price	EK656162B	Price	EK506162P	Price	EK656162P	Price	EK506162T	Price	EK656162T	Price
3/8-16	H3	4	EK506163B	Price	EK656163B	Price	EK506163P	Price	EK656163P	Price	EK506163T	Price	EK656163T	Price
3/8-16	H4	4	EK506164B	Price	-	-	-	-	-	-	-	-	-	-
3/8-16	H5	4	EK506165B	Price	-	-	EK506165P	Price	EK656165P	Price	-	-	-	-
3/8-24	H1	4	EK506241B	Price	-	-	EK506241P	Price	-	-	EK506241T	Price	-	-
3/8-24	H2	4	EK506242B	Price	EK656242B	Price	-	-	EK656242P	Price	-	-	-	-
3/8-24	H3	4	EK506243B	Price	EK656243B	Price	EK506243P	Price	EK656243P	Price	EK506243T	Price	EK656243T	Price
3/8-24	H4	4	EK506244B	Price	-	-	EK506244P	Price	-	-	EK506244T	Price	-	-
7/16-14	H1	4	EK507141B	Price	-	-	EK507141P	Price	-	-	-	-	-	-
7/16-14	H2	4	EK507142B	Price	-	-	EK507142P	Price	-	-	-	-	-	-
7/16-14	H3	4	EK507143B	Price	EK657143B	Price	EK507143P	Price	EK657143P	Price	EK507143T	Price	EK657143T	Price
7/16-14	H5	4	EK507145B	Price	-	-	EK507145P	Price	-	-	-	-	-	-
7/16-20	H1	4	-	-	-	-	EK507201P	Price	-	-	-	-	-	-
7/16-20	H2	4	EK507202B	Price	-	-	EK507202P	Price	-	-	-	-	-	-
7/16-20	H3	4	EK507203B	Price	EK657203B	Price	EK507203P	Price	EK657203P	Price	EK507203T	Price	EK657203T	Price
7/16-20	H5	4	-	-	EK657205B	Price	EK507205P	Price	-	-	-	-	-	-
1/2-13	H2	4	EK508132B	Price	EK658132B	Price	EK508132P	Price	EK658132P	Price	EK508132T	Price	EK658132T	Price
1/2-13	H3	4	EK508133B	Price	EK658133B	Price	EK508133P	Price	EK658133P	Price	EK508133T	Price	EK658133T	Price
1/2-13	H5	4		Price	EK658135B	Price	EK508135P	Price	-	-	-	-	-	-
1/2-20	H1	4	EK508201B	Price	EK658201B	Price	EK508201P	Price	-	-	-	-	-	-
1/2-20	H2	4	-	-	EK658202B	Price	-	-	EK658202P	Price	-	-	EK658202T	Price
1/2-20	H3	4	EK508203B	Price	EK658203B	Price	EK508203P	Price	EK658203P	Price	EK508203T	Price	EK658203T	Price
1/2-20	H5	4	EK508205B	Price	-	-	EK508205P	Price	-	-	EK508205T	Price	-	-
9/16-12	H3	4	EK509123B	Price	EK659123B	Price	EK509123P	Price	EK659123P	Price	EK509123T	Price	EK659123T	Price
9/16-12	H5	4	-	-	-	-	EK509125P	Price	-	-	-	-	-	-

RAPIDKUT 3 Pc. Tap Sets

High Speed Steel • Bright Finish

- Set includes one each: taper, plug and bottoming taps
- Ground threads, 4-flute
- For both ferrous and non-ferrous materials
- Used in all types of hand or machine tool operations
- **Buy a set & save**



Bottoming



Taper



Plug

Size	Thread Limits	Thread Length (in.)	OAL (in.)	Order No.	Price
6-32	H3	1/16	2	**EK65S906323**	Price
8-32	H3	3/4	2-1/8	**EK65S908323**	Price
10-24	H3	7/8	2-3/8	**EK65S910243**	Price
10-32	H3	7/8	2-3/8	**EK65S910323**	Price
12-24	H3	15/16	2-3/8	**EK65S912243**	Price
1/4-20	H3	1	2-1/2	**EK65S4203**	Price
5/16-18	H3	1-1/8	2-23/32	**EK65S5183**	Price
3/8-16	H3	1-1/4	2-15/16	**EK65S6163**	Price
7/16-14	H3	1-7/16	3-5/32	**EK65S7143**	Price
1/2-13	H3	1-21/32	3-3/8	**EK65S8133**	Price
5/8-11	H3	1-13/16	3-15/16	**EK65S10113**	Price
3/4-10	H3	2	4-1/4	**EK65S12103**	Price

DORMER 4 Flute Straight Shank Taps

- TiAlN top coating
- Excellent performance when threading both through and blind holes in short chipping materials



- Internal coolant with axial outlet - Reduces interruptions of the production process by providing optimum chip evacuation in both horizontal and vertical blind hole machining

					Bottoming		Semi-Bottoming	
Size (in.)	Thead Limits	Thread Length (in.)	OAL (in.)	Thread Tpe	Order No.	Price	Order No.	Price
10-32	H4	.551	2.756	UNF	-	-	**DS047350222**	Price
1/4-20	H5	.591	3.150	UNC	**DS047350231**	Price	**DS047350203**	Price
1/4-28	H4	.591	3.150	UNF	**DS047350240**	Price	-	-
1/4-28	H5	.591	3.150	UNF	-	-	**DS047350223**	Price
5/16-18	H5	.709	3.543	UNC	-	-	**DS047350204**	Price
5/16-18	H5	.787	3.543	UNC	**DS047350232**	Price	-	-
5/16-24	H5	.709	3.543	UNF	-	-	**DS047350224**	Price
5/16-24	H5	.787	3.543	UNF	**DS047350241**	Price	-	-
3/8-16	H5	.787	3.937	UNC	**DS047350233**	Price	**DS047350205**	Price
3/8-24	H5	.787	3.543	UNF	**DS047350242**	Price	**DS047350225**	Price
7/16-14	H5	.787	3.937	UNC	**DS047350234**	Price	**DS047350206**	Price
7/16-20	H5	.787	3.937	UNF	**DS047350243**	Price	**DS047350226**	Price
1/2-13	H5	.906	4.331	UNC	**DS047350235**	Price	**DS047350207**	Price
1/2-20	H5	.827	3.937	UNF	**DS047350244**	Price	**DS047350227**	Price
5/8-11	H5	.906	4.331	UNC	**DS047350236**	Price	**DS047350208**	Price
5/8-18	H5	.827	3.937	UNF	**DS047350245**	Price	**DS047350228**	Price
3/4-10	H5	1.181	4.921	UNC	**DS047350237**	Price	**DS047350209**	Price
3/4-16	H5	.906	4.331	UNF	**DS047350246**	Price	-	-
3/4-16	H6	.906	4.331	UNF	-	-	**DS047350229**	Price
7/8-9	H6	1.339	5.512	UNC	**DS047350238**	Price	**DS047350220**	Price
7/8-14	H6	.906	4.921	UNF	**DS047350247**	Price	**DS047350230**	Price
1-8	H6	1.417	6.299	UNC	**DS047350239**	Price	**DS047350221**	Price
1-12	H6	1.063	5.512	UNF	**DS047350248**	Price	-	-

General Purpose Hand Taps

Machine Screw Sizes • Straight Flute • Ground Thread • High Speed Steel



Bottoming



Plug



Taper

HSS M GP

			Morse Cutting Tools						OSG USA, Inc.					
			Bottoming		Plug		Price		Bottoming		Plug		Taper	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
0-80	H1	2	**MT3733801**	Price	**MT3733701**	Price	**MT3733601**	Price	**TP101000200**	Price	**TP101000100**	Price	**TP101000000**	Price
0-80	H2	2	**MT3733802**	Price	**MT3733702**	Price	-	-	**TP101010200**	Price	**TP101010100**	Price	-	-
1-64	H1	2	**MT3733803**	Price	**MT3733703**	Price	**MT3733602**	Price	**TP101000500**	Price	**TP101000400**	Price	**TP101000300**	Price
1-64	H2	2	-	-	**MT3733704**	Price	-	-	-	-	**TP101010400**	Price	-	-
1-72	H1	2	**MT3733804**	Price	**MT3733705**	Price	**MT3733603**	Price	**TP101000800**	Price	**TP101000700**	Price	**TP101000600**	Price
1-72	H2	2	**MT3733805**	Price	**MT3733706**	Price	-	-	**TP101010800**	Price	**TP101010700**	Price	-	-
2-56	H1	3	**MT3733806**	Price	**MT3733707**	Price	**MT3733604**	Price	**TP101001100**	Price	**TP101001000†**	Price	**TP101000900**	Price
2-56	H2	2	**MT3733808**	Price	**MT3733709**	Price	-	-	**TP101065200**	Price	**TP101065100††**	Price	-	-
2-56	H2	3	**MT3733807**	Price	**MT3733708**	Price	**MT3733605**	Price	**TP101011100**	Price	**TP101011000**	Price	**TP101010900**	Price
2-64	H2	3	**MT3733809**	Price	**MT3733710**	Price	**MT3733606**	Price	**TP101011400**	Price	**TP101011300**	Price	**TP101011200**	Price
3-48	H1	3	-	-	**MT3733711**	Price	-	-	-	-	**TP101001600**	Price	-	-
3-48	H2	3	**MT3733810**	Price	**MT3733712**	Price	**MT3733607**	Price	**TP101011700**	Price	**TP101011600†††**	Price	**TP101011500**	Price
3-56	H2	3	**MT3733812**	Price	**MT3733714**	Price	**MT3733608**	Price	**TP101012000**	Price	**TP101011900**	Price	**TP101011800**	Price
4-36	H2	3	**MT3733817**	Price	**MT3733720**	Price	**MT3733612**	Price	**TP101012900**	Price	**TP101012800**	Price	**TP101012700**	Price
4-40	H2	2	**MT3733815**	Price	**MT3733717**	Price	-	-	**TP101066400**	Price	**TP101066300†††**	Price	-	-
4-40	H2	3	**MT3733814**	Price	**MT3733716**	Price	**MT3733610**	Price	**TP101012300**	Price	**TP101012200**	Price	**TP101012100**	Price
4-48	H2	3	**MT3733816**	Price	**MT3733719**	Price	**MT3733611**	Price	**TP101012600**	Price	**TP101012500**	Price	**TP101012400**	Price
5-40	H1	3	-	-	**MT3733721**	Price	-	-	-	-	**TP101003100**	Price	-	-
5-40	H2	2	**MT3733819**	Price	**MT3733723**	Price	-	-	**TP101067300**	Price	**TP101067200**	Price	-	-
5-40	H2	3	**MT3733818**	Price	**MT3733722**	Price	**MT3733613**	Price	**TP101013200**	Price	**TP101013100**	Price	**TP101013000**	Price
5-44	H2	3	**MT3733820**	Price	**MT3733724**	Price	**MT3733614**	Price	**TP101013500**	Price	**TP101013400**	Price	**TP101013300**	Price

(continued on next page)

General Purpose Hand Taps (cont.)



Bottoming



Plug



Taper

HSS M GP

			Morse Cutting Tools						OSG USA, Inc.					
			Bottoming		Plug		Price		Bottoming		Plug		Taper	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
6-32	H1	3	MT3733821	Price	MT3733726	Price	MT3733615	Price	TP101003800	Price	TP101003700	Price	TP101003600	Price
6-32	H2	2	MT3733824	Price	MT3733729	Price	-	-	TP101067900	Price	TP101067800<>	Price	-	-
6-32	H2	3	MT3733822	Price	MT3733727	Price	MT3733616	Price	TP101013800	Price	TP101013700	Price	TP101013600	Price
6-32	H3	2	MT3733825	Price	MT3733730	Price	-	-	TP101072900	Price	TP101072800	Price	-	-
6-32	H3	3	MT3733823	Price	MT3733728	Price	MT3733617	Price	TP101023800	Price	TP101023700	Price	TP101023600	Price
6-40	H1	3	-	-	MT3733731	Price	-	-	-	-	-	-	-	-
6-40	H2	2	-	-	MT3733733	Price	-	-	-	-	TP101068100	Price	-	-
6-40	H2	3	MT3733826	Price	MT3733732	Price	MT3733618	Price	TP101014100	Price	TP101014000	Price	TP101013900	Price
8-32	H1	4	MT3733827	Price	MT3733734	Price	MT3733619	Price	TP101004400	Price	TP101004300	Price	TP101004200	Price
8-32	H2	2	MT3733833	Price	MT3733740	Price	-	-	TP101068500	Price	TP101068400	Price	-	-
8-32	H2	3	-	-	MT3733738	Price	-	-	TP101045200	Price	TP101045100	Price	-	-
8-32	H2	4	MT3733828	Price	MT3733735	Price	MT3733620	Price	TP101014400	Price	TP101014300	Price	TP101014200	Price
8-32	H3	2	MT3733834	Price	MT3733741	Price	-	-	TP101073500	Price	TP101073400<>	Price	-	-
8-32	H3	3	MT3733832	Price	MT3733739	Price	-	-	TP101050200	Price	TP101050100	Price	-	-
8-32	H3	4	MT3733829	Price	MT3733736	Price	MT3733621	Price	TP101024400	Price	TP101024300	Price	TP101024200	Price
8-36	H2	4	MT3733835	Price	MT3733742	Price	MT3733622	Price	TP101014700	Price	TP101014600	Price	TP101014500	Price
10-24	H1	4	MT3733836	Price	MT3733743	Price	MT3733623	Price	TP101005000	Price	TP101004900	Price	TP101004800	Price
10-24	H2	2	MT3733840	Price	MT3733749	Price	-	-	TP101069100	Price	TP101069000	Price	-	-
10-24	H2	3	-	-	MT3733747	Price	-	-	-	-	TP101045700	Price	-	-
10-24	H2	4	MT3733837	Price	MT3733744	Price	MT3733624	Price	TP101015000	Price	TP101014900	Price	TP101014800	Price
10-24	H3	2	MT3733841	Price	MT3733750	Price	-	-	TP101074100	Price	TP101074000<>	Price	-	-
10-24	H3	3	MT3733839	Price	MT3733748	Price	-	-	TP101050800	Price	TP101050700	Price	-	-
10-24	H3	4	MT3733838	Price	MT3733745	Price	MT3733625	Price	TP101025000	Price	TP101024900	Price	TP101024800	Price
10-32	H1	4	MT3733842	Price	MT3733751	Price	MT3733626	Price	TP101005300	Price	TP101005200	Price	TP101005100	Price
10-32	H2	2	MT3733847	Price	MT3733756	Price	-	-	TP101069400	Price	TP101069300	Price	-	-
10-32	H2	3	MT3733845	Price	MT3733754	Price	-	-	TP101046100	Price	TP101046000	Price	-	-
10-32	H2	4	MT3733843	Price	MT3733752	Price	MT3733627	Price	TP101015300	Price	TP101015200	Price	TP101015100	Price
10-32	H3	2	MT3733848	Price	MT3733757	Price	-	-	TP101074400	Price	TP101074300<>	Price	-	-
10-32	H3	3	MT3733846	Price	MT3733755	Price	-	-	TP101051100	Price	TP101051000	Price	-	-
10-32	H3	4	MT3733844	Price	MT3733753	Price	MT3733628	Price	TP101025300	Price	TP101025200	Price	TP101025100	Price
12-24	H3	4	MT3733849	Price	MT3733758	Price	MT3733629	Price	TP101025600	Price	TP101025500	Price	TP101025400	Price
12-28	H3	4	MT3733850	Price	MT3733759	Price	MT3733630	Price	TP101025900	Price	TP101025800	Price	TP101025700	Price

Note: OSG steam oxide available †Available in 2 flute from stock ††Available in H3 from stock ††† Available in H3 2 flute from stock <> Available in H4 from stock

General Purpose Hand Taps - Fractional Sizes

Ground Thread • High Speed Steel







			Morse Cutting Tools						OSG USA, Inc.					
			Bottoming		Plug		Price		Bottoming		Plug		Taper	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/4-20	H3	3	MT3732604	Price	MT3732406	Price	-	-	-	-	-	-	-	-
1/4-20	H1	4	MT3732601	Price	MT3732402	Price	MT3732301	Price	TP101100200	Price	TP101100100	Price	TP101100000	Price
1/4-20	H2	4	MT3732602	Price	MT3732404	Price	MT3732302	Price	TP101110200	Price	TP101110100•	Price	TP101110000	Price
1/4-20	H3	4	MT3732605	Price	MT3732407	Price	MT3732303	Price	TP101120200•	Price	TP101120100•†	Price	TP101120000	Price
1/4-20	H5	4	-	-	MT3732409	Price	-	-	TP101140200•	Price	TP101140100•	Price	-	-
1/4-28	H1	4	MT3732607	Price	MT3732410	Price	-	-	TP101100500	Price	TP101100400	Price	-	-
1/4-28	H2	4	MT3732608	Price	MT3732411	Price	-	-	TP101110500	Price	TP101110400	Price	-	-
1/4-28	H3	4	MT3732611	Price	MT3732414	Price	MT3732304	Price	TP101120500•	Price	TP101120400•†	Price	TP101120300	Price
1/4-28	H4	4	MT3732612	Price	MT3732415	Price	-	-	TP101130500	Price	TP101130400	Price	-	-
5/16-18	H2	4	MT3732614	Price	MT3732418	Price	-	-	TP101110800	Price	TP101110700	Price	-	-
5/16-18	H3	4	MT3732617	Price	MT3732421	Price	MT3732305	Price	TP101120800	Price	TP101120700•†	Price	TP101120600	Price
5/16-18	H5	4	MT3732618	Price	MT3732422	Price	-	-	TP101140800	Price	TP101140700	Price	-	-
5/16-24	H2	4	-	-	MT3732424	Price	-	-	TP101111100	Price	-	-	-	-
5/16-24	H3	4	MT3732621	Price	MT3732426	Price	MT3732306	Price	TP101121100	Price	TP101121000	Price	TP101120900	Price
5/16-24	H4	4	-	-	MT3732427	Price	-	-	TP101131100	Price	TP101131000	Price	-	-
3/8-16	H1	4	-	-	MT3732429	Price	-	-	-	-	TP101101300	Price	-	-
3/8-16	H2	4	MT3732624	Price	MT3732430	Price	-	-	TP101111400	Price	TP101111300	Price	-	-
3/8-16	H3	3	MT3732625	Price	MT3732431	Price	-	-	-	-	-	-	-	-
3/8-16	H3	4	MT3732626	Price	MT3732432	Price	MT3732307	Price	TP101121400•	9.48	TP101121300•	Price	TP101121200	Price
3/8-16	H5	4	MT3732627	Price	MT3732434	Price	-	-	TP101141400	Price	TP101141300	Price	-	-
3/8-24	H1	4	-	-	MT3732435	Price	-	-	-	-	TP101101600	Price	-	-
3/8-24	H2	4	MT3732629	Price	MT3732436	Price	-	-	TP101111700	Price	TP101111600	Price	-	-

(continued on next page)

General Purpose Hand Taps - Fractional Sizes (cont.)



			Morse Cutting Tools						OSG USA, Inc.					
			Bottoming		Plug		Price		Bottoming		Plug		Taper	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
3/8-24	H3	4	MT3732631	Price	MT3732438	Price	MT3732308	Price	TP101121700	Price	TP101121600	Price	TP101121500	Price
3/8-24	H4	4	-	-	MT3732439	Price	-	-	TP101131700	Price	TP101131600	Price	-	-
7/16-14	H3	4	MT3732633	Price	MT3732441	Price	MT3732309	Price	TP101122000	Price	TP101121900•	Price	TP101121800	Price
7/16-14	H5	4	MT3732634	Price	MT3732442	Price	-	-	TP101142000	Price	TP101141900	Price	-	-
7/16-20	H3	4	MT3732635	Price	MT3732444	Price	MT3732310	Price	TP101122300	Price	TP101122200	Price	TP101122100	Price
7/16-20	H5	4	MT3732636	Price	MT3732445	Price	-	-	TP101142300	Price	TP101142200	Price	-	-
1/2-13	H1	4	-	-	MT3732446	Price	-	-	-	-	TP101102500	Price	-	-
1/2-13	H3	4	MT3732640	Price	MT3732449	Price	MT3732311	Price	TP101122600•	Price	TP101122500•	Price	TP101122400	Price
1/2-13	H5	4	MT3732641	Price	MT3732450	Price	-	-	TP101142600	Price	TP101142500	Price	-	-
1/2-20	H1	4	MT3732642	Price	MT3732451	Price	-	-	TP101102900	Price	TP101102800	Price	-	-
1/2-20	H3	4	MT3732643	Price	MT3732453	Price	MT3732312	Price	TP101122900	Price	TP101122800	Price	TP101122700	Price
1/2-20	H5	4	-	-	MT3732454	Price	-	-	TP101142900	Price	TP101142800	Price	-	-
9/16-12	H3	4	MT3732644	Price	MT3732455	Price	MT3732313	Price	TP101123200	Price	TP101123100	Price	TP101123000	Price
9/16-12	H5	4	-	-	MT3732456	Price	-	-	-	-	TP101143100	Price	-	-
9/16-18	H2	4	-	-	MT3732457	Price	-	-	-	-	TP101113400	Price	-	-
9/16-18	H3	4	MT3732645	Price	MT3732458	Price	MT3732314	Price	TP101123500	Price	TP101123400	Price	TP101123300	Price
9/16-18	H5	4	-	-	MT3732459	Price	-	-	TP101143500	Price	TP101143400	Price	-	-
5/8-11	H2	4	-	-	MT3732460	Price	-	-	-	-	TP101113700	Price	-	-
5/8-11	H3	4	MT3732647	Price	MT3732461	Price	MT3732315	Price	TP101123800	Price	TP101123700	Price	TP101123600	Price
5/8-11	H5	4	MT3732648	Price	MT3732462	Price	-	-	TP101143800	Price	TP101143700	Price	-	-
5/8-18	H2	4	-	-	MT3732463	Price	-	-	-	-	TP101114000	Price	-	-
5/8-18	H3	4	MT3732649	Price	MT3732464	Price	MT3732316	Price	TP101124100	Price	TP101124000	Price	TP101123900	Price
5/8-18	H5	4	MT3732650	Price	MT3732465	Price	-	-	TP101144100	Price	TP101144000	Price	-	-
11/16-11	H3	4	MT3732651	Price	MT3732466	Price	MT3732317	Price	TP101124400	Price	TP101124300	Price	TP101124200	Price
11/16-16	H3	4	MT3732652	Price	MT3732467	Price	MT3732318	Price	TP101124700	Price	TP101124600	Price	TP101124500	Price
3/4-10	H3	4	MT3732653	Price	MT3732469	Price	MT3732319	Price	TP101125000	Price	TP101124900	Price	TP101124800	Price
3/4-10	H5	4	MT3732654	Price	MT3732470	Price	-	-	TP101145000	Price	TP101144900	Price	-	-
3/4-16	H1	4	-	-	MT3732471	Price	-	-	-	-	TP101105200	Price	-	-
3/4-16	H2	4	-	-	MT3732472	Price	-	-	-	-	TP101115200	Price	-	-
3/4-16	H3	4	MT3732655	Price	MT3732473	Price	MT3732320	Price	TP101125300	Price	TP101125200	Price	TP101125100	Price
3/4-16	H5	4	MT3732656	Price	MT3732474	Price	-	-	TP101145300	Price	TP101145200	Price	-	-
7/8-9	H4	4	MT3732657	Price	MT3732475	Price	MT3732321	Price	TP101135600	Price	TP101135500	Price	TP101135400	Price
7/8-9	H6	4	-	-	MT3732476	Price	-	-	-	-	TP101145500	Price	-	-
7/8-14	H2	4	-	-	MT3732477	Price	-	-	-	-	TP101115800	Price	-	-
7/8-14	H4	4	MT3732658	Price	MT3732478	Price	MT3732322	Price	TP101135900	Price	TP101135800	Price	TP101135700	Price
1-12	H4	4	MT3732660	Price	MT3732482	Price	MT3732324	Price	TP101136500	Price	TP101136400	Price	TP101136300	Price
1-14	H4	4	MT3732661	Price	MT3732484	Price	MT3732325	Price	TP101136800	Price	TP101136700	Price	TP101136600	Price
1-1/8-7	H4	4	MT3732662	Price	MT3732485	Price	MT3732326	Price	TP101137100	Price	TP101137000	Price	TP101136900	Price
1-1/8-12	H4	4	MT3732663	Price	MT3732486	Price	MT3732327	Price	TP101137400	Price	TP101137300	Price	TP101137200	Price
1-1/4-7	H4	4	MT3732664	Price	MT3732487	Price	MT3732328	Price	TP101137700	Price	TP101137600	Price	TP101137500	Price
1-1/4-12	H4	6	MT3732665	Price	MT3732488	Price	MT3732329	Price	TP101138000	Price	TP101137900	Price	TP101137800	Price
1-3/8-6	H4	4	MT3732666	Price	MT3732489	Price	MT3732330	Price	TP101138300	Price	TP101138200	Price	TP101138100	Price
1-3/8-12	H4	6	MT3732667	Price	MT3732490	Price	MT3732331	Price	TP101138600	Price	TP101138500	Price	TP101138400	Price
1-1/2-6	H4	4	MT3732668	Price	MT3732491	Price	MT3732332	Price	TP101138900	Price	TP101138800	Price	TP101138700	Price
1-1/2-12	H4	6	MT3732669	Price	MT3732492	Price	MT3732333	Price	TP101139200	Price	TP101139100	Price	TP101139000	Price

†Available in 2 Flute in stock •Available in 3 flute from stock Note: OSG steam oxide available

HSS Morse M GP General Purpose Hand Tap Sets

Ground Thread • High Speed Steel • Bright Finish

- Set consists of 1 each taper, plug and bottoming
- Morse List #2046



Size	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
1/4-20	H3	4	1	2-1/2	MT3732701	Price
1/4-28	H3	4	1	2-1/2	MT3732702	Price
5/16-18	H3	4	1-1/8	2-23/32	MT3732703	Price
5/16-24	H3	4	1-1/8	2-23/32	MT3732704	Price
3/8-16	H3	4	1-1/4	2-15/16	MT3732705	Price
3/8-24	H3	4	1-1/4	2-15/16	MT3732706	Price
7/16-14	H3	4	1-7/16	3-5/32	MT3732707	Price
7/16-20	H3	4	1-7/16	3-5/32	MT3732708	Price
1/2-13	H3	4	1-21/32	3-19/32	MT3732709	Price
1/2-20	H3	4	1-21/32	3-19/32	MT3732710	Price
9/16-12	H3	4	1-21/32	3-19/32	MT3732711	Price
9/16-18	H3	4	1-21/32	3-19/32	MT3732712	Price
5/8-11	H3	4	1-13/16	3-13/16	MT3732713	Price
5/8-18	H3	4	1-13/16	3-13/16	MT3732714	Price
11/16-11	H3	4	1-13/16	4-1/32	MT3732715	Price
11/16-16	H3	4	1-13/16	4-1/32	MT3732716	Price
3/4-10	H3	4	2	4-1/4	MT3732717	Price
3/4-16	H3	4	2	4-1/4	MT3732718	Price
7/8-9	H4	4	2-7/32	4-11/16	MT3732719	Price

Size	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
7/8-14	H4	4	2-7/32	4-11/16	MT3732720	Price
1-8	H4	4	2-1/2	5-1/8	MT3732721	Price
1-12	H4	4	2-1/2	5-1/8	MT3732722	Price
1-14	H4	4	2-1/2	5-1/8	MT3732723	Price
1-1/8-7	H4	4	2-9/16	5-7/16	MT3732724	Price
1-1/8-12	H4	4	2-9/16	5-7/16	MT3732725	Price
1-1/4-7	H4	4	2-9/16	5-3/4	MT3732726	Price
1-1/4-12	H4	4	2-9/16	5-3/4	MT3732727	Price
1-3/8-6	H4	4	3	6-1/16	MT3732728	Price
1-3/8-12	H4	4	3	6-1/16	MT3732729	Price
1-1/2-6	H4	4	3	6-3/8	MT3732730	Price
1-1/2-12	H4	4	3	6-3/8	MT3732731	Price

HSS M GP 3 Pc. Metric Straight Flute Hand Taps Sets



Ground Thread • High Speed Steel • Bright Finish

- Set consists of taper (8-10 thread chamfer), plug (3-4 thread chamfer) and bottoming (1-2 thread chamfer)
- Morse List #7500

Size	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
M1.6 x 0.35	D3	2	5/16	1-5/8	**MT3838200**	Price
M1.8 x 0.35	D3	2	5/16	1-5/8	**MT3838201**	Price
M2 x 0.40	D3	3	7/16	1-3/4	**MT3838203**	Price
M2.2 x 0.45	D3	3	7/16	1-3/4	**MT3838204**	Price
M2.5 x 0.45	D3	3	1/2	1-13/16	**MT3838205**	Price
M3 x 0.50	D3	3	5/8	1-15/16	**MT3838206**	Price
M3.5 x 0.60	D3	3	11/16	2	**MT3838207**	Price
M4 x 0.70	D4	4	3/4	2-1/8	**MT3838208**	Price
M4.5 x 0.75	D4	4	7/8	2-3/8	**MT3838209**	Price
M5 x 0.80	D4	4	7/8	2-3/8	**MT3838210**	Price
M6 x 1.00	D5	4	1	2-1/2	**MT3838211**	Price
M7 x 1.00	D5	4	1-1/8	2-23/32	**MT3838212**	Price
M8 x 1.00	D5	4	1-1/8	2-23/32	**MT3838213**	Price
M8 x 1.25	D5	4	1-1/8	2-23/32	**MT3838214**	Price
M10 x 1.25	D5	4	1-1/4	2-15/16	**MT3838215**	Price
M10 x 1.50	D6	4	1-1/4	2-15/16	**MT3838216**	Price
M12 x 1.25	D5	4	1-21/32	3-3/8	**MT3838217**	Price
M12 x 1.75	D6	4	1-21/32	3-3/8	**MT3838218**	Price
M14 x 1.50	D6	4	1-21/32	3-19/32	**MT3838219**	Price
M14 x 2.00	D7	4	1-21/32	3-19/32	**MT3838220**	Price

Size	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
M16 x 1.50	D6	4	1-13/16	3-13/16	**MT3838221**	Price
M16 x 2.00	D7	4	1-13/16	3-13/16	**MT3838222**	Price
M18 x 1.50	D6	4	1-13/16	4-1/32	**MT3838223**	Price
M18 x 2.50	D7	4	1-13/16	4-1/32	**MT3838224**	Price
M20 x 1.50	D6	4	2	4-15/32	**MT3838225**	Price
M20 x 2.50	D7	4	2	4-15/32	**MT3838226**	Price
M22 x 1.50	D6	4	2-7/32	4-11/16	**MT3838227**	Price
M22 x 2.50	D7	4	2-7/32	4-11/16	**MT3838228**	Price
M24 x 2.00	D7	4	2-7/32	4-29/32	**MT3838229**	Price
M24 x 3.00	D8	4	2-7/32	4-29/32	**MT3838230**	Price
M27 x 2.00	D7	4	2-1/2	5-1/8	**MT3838231**	Price
M27 x 3.00	D8	4	2-1/2	5-1/8	**MT3838232**	Price
M30 x 2.00	D7	4	2-9/16	5-7/16	**MT3838233**	Price
M30 x 3.50	D9	4	2-9/16	5-7/16	**MT3838234**	Price
M33 x 2.00	D9	6	2-9/16	5-3/4	**MT3838238**	Price
M36 x 3.00	D9	4	3	6-1/16	**MT3838236**	Price
M36 x 4.00	D8	4	3	6-1/16	**MT3838237**	Price

WIDIA Hand Tap Sets



High Speed Steel • Straight Flute

- Includes one of each, taper, plug and bottoming chamfer

Size	Thread Limits	No. of Flutes	Order No.	Price
0-80	H1	2	**WK302748981**	Price
1-64	H1	2	**WK302748968**	Price
1-72	H1	2	**WK302748961**	Price
2-56	H2	3	**WK302748945**	Price
2-64	H2	3	**WK302748928**	Price
3-48	H2	3	**WK302748918**	Price
3-56	H2	3	**WK302748902**	Price
4-40	H2	3	**WK302748880**	Price
4-48	H2	3	**WK302748863**	Price
5-40	H2	3	**WK302865313**	Price
5-44	H2	3	**WK302748851**	Price
6-32	H1	3	**WK302865286**	Price
6-32	H3	3	**WK302748838**	Price
6-32	H2	3	**WK302865274**	Price
6-40	H2	3	**WK302748818**	Price
8-32	H2	4	**WK302748801**	Price
8-32	H3	4	**WK302865185**	Price
8-36	H2	4	**WK302748756**	Price
10-24	H2	4	**WK302748743**	Price

Size	Thread Limits	No. of Flutes	Order No.	Price
10-24	H3	4	**WK302748731**	Price
10-32	H2	4	**WK302748685**	Price
10-32	H3	4	**WK302748670**	Price
12-24	H3	4	**WK302748637**	Price
12-28	H3	4	**WK302748623**	Price
1/4-20	H1	4	**WK302749834**	Price
1/4-20	H2	4	**WK302749824**	Price
1/4-20	H3	4	**WK302749815**	Price
1/4-28	H3	4	**WK302749764**	Price
5/16-18	H3	4	**WK302749729**	Price
5/16-24	H3	4	**WK302749680**	Price
3/8-16	H3	4	**WK302749644**	Price
3/8-24	H3	4	**WK302749605**	Price
7/16-14	H3	4	**WK302749581**	Price
7/16-20	H3	4	**WK302749560**	Price
1/2-13	H3	4	**WK302749538**	Price
1/2-20	H3	4	**WK302749503**	Price
9/16-12	H3	4	**WK302749488**	Price
9/16-18	H3	4	**WK302749472**	Price

Size	Thread Limits	No. of Flutes	Order No.	Price
5/8-11	H3	4	**WK302749454**	Price
5/8-18	H3	4	**WK302749426**	Price
11/16-11	H3	4	**WK302749402**	Price
3/4-10	H3	4	**WK302749388**	Price
3/4-16	H3	4	**WK302749368**	Price
7/8-9	H4	4	**WK302749350**	Price
7/8-14	H4	4	**WK302749335**	Price
1-8	H4	4	**WK302749320**	Price
1-12	H4	4	**WK303303777**	Price
1-14	H4	4	**WK302749288**	Price
1-1/8-7	H4	4	**WK302749275**	Price
1-1/8-12	H4	4	**WK302749267**	Price
1-1/4-7	H4	4	**WK302749260**	Price
1-1/4-12	H4	6	**WK302749254**	Price
1-3/8-6	H4	4	**WK302749249**	Price
1-3/8-12	H4	6	**WK302749243**	Price
1-1/2-6	H4	4	**WK302749237**	Price
1-1/2-12	H4	6	**WK302749231**	Price

WIDIA Hand Taps



Taper • Plug • Bottoming

- For general purpose use

Price				Bottoming			Plug			Taper		
Size	Thread Limits	No. of Flutes	OAL	Thread Length	Order No.	Price	Thread Length	Order No.	Price	Thread Length	Order No.	Price
0-80	H1	2	1.625	.310	**WK302748985**	Price	.310	**WK302748988**	Price	.310	**WK302748991**	Price
0-80	H2	2	1.625	.312	**WK302748977**	Price	.312	**WK302748979**	Price	-	**-**	-
1-64	H1	2	1.688	.380	**WK302748970**	Price	.380	**WK302748972**	Price	.380	**WK302748975**	Price
1-64	H2	2	1.688	-	**-**	-	.375	**WK302748966**	Price	-	**-**	-
1-72	H1	2	1.688	.380	**WK302748962**	Price	.380	**WK302748963**	Price	.380	**WK302748964**	Price
1-72	H2	2	1.688	.375	**WK303049563**	Price	.375	**WK302748959**	Price	-	**-**	-
2-56	H1	3	1.750	.438	**WK302748955**	Price	.438	**WK302865450**	Price	.438	**WK302748956**	Price
2-56	H2	3	1.750	.440	**WK302748947**	Price	.440	**WK302748950**	Price	.440	**WK302748951**	Price
2-64	H2	3	1.750	.438	**WK302748930**	Price	.438	**WK302748933**	Price	.440	**WK302748935**	Price
3-48	H2	3	1.813	.500	**WK302748920**	Price	.500	**WK302748924**	Price	.500	**WK302748925**	Price
3-56	H2	3	1.813	.500	**WK302748906**	Price	.500	**WK302748911**	Price	.500	**WK302748913**	Price
4-40	H2	3	1.875	.560	**WK302748882**	Price	.560	**WK302748885**	Price	.560	**WK302748887**	Price
4-48	H2	3	1.875	.560	**WK302748864**	Price	.560	**WK302748867**	Price	.560	**WK302748869**	Price
5-40	H2	3	1.938	.620	**WK302865316**	Price	.620	**WK302865319**	Price	.620	**WK302865323**	Price
5-44	H2	3	1.938	.620	**WK302748852**	Price	.620	**WK302748855**	Price	.620	**WK302748858**	Price
6-32	H1	3	2.000	.690	**WK302865289**	Price	.688	**WK302865292**	Price	.688	**WK302865295**	Price
6-32	H2	3	2.000	.690	**WK302865277**	Price	.690	**WK302865279**	Price	.690	**WK302748845**	Price
6-32	H3	3	2.000	.690	**WK302748840**	Price	.690	**WK302748843**	Price	.690	**WK302865268**	Price
6-40	H2	3	2.000	.690	**WK302748820**	Price	.690	**WK302748825**	Price	.690	**WK302748827**	Price
8-32	H1	4	2.125	.750	**WK302748811**	Price	.750	**WK302748813**	Price	-	**-**	-
8-32	H2	4	2.125	.750	**WK302748803**	Price	.750	**WK302748804**	Price	.750	**WK302748806**	Price
8-32	H3	4	2.125	.750	**WK302748781**	Price	.750	**WK302748785**	Price	.750	**WK302748787**	Price

WIDIA Hand Taps (cont.)

Taper • Plug • Bottoming



- For general purpose use

Price				Bottoming			Plug			Taper		
Size	Thread Limits	No. of Flutes	OAL	Thread Length	Order No.	Price	Thread Length	Order No.	Price	Thread Length	Order No.	Price
8-36	H2	4	2.125	.750	**WK302748758**	Price	.750	**WK302748761**	Price	.750	**WK302748764**	Price
10-24	H1	4	2.375	-	**-**	-	.875	**WK302748749**	Price	-	**-**	-
10-24	H2	4	2.375	.880	**WK302748744**	Price	.880	**WK302748746**	Price	.880	**WK302748747**	Price
10-24	H3	4	2.375	.880	**WK302748733**	Price	.880	**WK302748736**	Price	.880	**WK302748738**	Price
10-32	H1	4	2.375	.875	**WK302748702**	Price	.880	**WK302748706**	Price	.880	**WK302748708**	Price
10-32	H2	4	2.375	.880	**WK302748689**	Price	.880	**WK302748692**	Price	.880	**WK302748694**	Price
10-32	H3	4	2.375	.880	**WK302748675**	Price	.880	**WK302748678**	Price	.880	**WK302748679**	Price
12-24	H3	4	2.375	.940	**WK302748641**	Price	.940	**WK302748643**	Price	.940	**WK302748645**	Price
12-28	H3	4	2.375	.940	**WK302748624**	Price	.940	**WK302748628**	Price	.940	**WK302748631**	Price
1/4-20	H1	4	2.500	1.000	**WK302749836**	Price	1.000	**WK302749837**	Price	1.000	**WK302749838**	Price
1/4-20	H2	4	2.500	1.000	**WK302749826**	Price	1.000	**WK302749830**	Price	1.000	**WK302749832**	Price
1/4-20	H3	4	2.500	1.000	**WK302749818**	Price	1.000	**WK302957247**	Price	1.000	**WK303139335**	Price
1/4-20	H5	4	2.500	1.000	**WK302749793**	Price	1.000	**WK302749795**	Price	-	**-**	-
1/4-28	H2	4	2.500	1.000	**WK302749777**	Price	1.000	**WK302749780**	Price	-	**-**	-
1/4-28	H3	4	2.500	1.000	**WK302749766**	Price	1.000	**WK302749772**	Price	1.000	**WK302749775**	Price
1/4-28	H4	4	2.500	1.000	**WK301854370**	Price	1.000	**WK302749751**	Price	-	**-**	-
5/16-18	H1	4	2.719	1.120	**WK302749742**	Price	1.120	**WK302749744**	Price	-	**-**	-
5/16-18	H2	4	2.719	1.120	**WK302749739**	Price	1.120	**WK302435312**	Price	-	**-**	-
5/16-18	H3	4	2.719	1.120	**WK302749732**	Price	1.120	**WK302749734**	Price	1.120	**WK302749737**	Price
5/16-18	H5	4	2.719	1.120	**WK302749706**	Price	1.120	**WK302749709**	Price	-	**-**	-
5/16-24	H1	4	2.719	-	**-**	-	1.120	**WK302749694**	Price	-	**-**	-
5/16-24	H2	4	2.719	-	**-**	-	1.125	**WK302749691**	Price	-	**-**	-
5/16-24	H3	4	2.719	1.120	**WK302038474**	Price	1.120	**WK302749686**	Price	1.120	**WK302749689**	Price
5/16-24	H4	4	2.719	1.125	**WK302749662**	Price	1.120	**WK302749666**	Price	-	**-**	-
3/8-16	H1	4	2.938	1.250	**WK302749656**	Price	1.250	**WK302749659**	Price	-	**-**	-
3/8-16	H2	4	2.938	1.250	**WK302749652**	Price	1.250	**WK302749655**	Price	-	**-**	-
3/8-16	H3	4	2.938	1.250	**WK302749647**	Price	1.250	**WK302749649**	Price	1.250	**WK302749651**	Price
3/8-16	H5	4	2.938	1.250	**WK302749625**	Price	1.250	**WK302749629**	Price	-	**-**	-
3/8-24	H2	4	2.938	-	**-**	-	1.250	**WK302749613**	Price	-	**-**	-
3/8-24	H3	4	2.938	1.250	**WK301951472**	Price	1.250	**WK302749609**	Price	1.250	**WK302749611**	Price
3/8-24	H4	4	2.938	1.250	**WK302749589**	Price	1.250	**WK302749591**	Price	-	**-**	-
7/16-14	H3	4	3.156	1.440	**WK302749582**	Price	1.440	**WK302749584**	Price	1.440	**WK302749586**	Price
7/16-14	H5	4	3.156	1.438	**WK302749570**	Price	1.438	**WK302749572**	Price	-	**-**	-
7/16-20	H3	4	3.156	1.440	**WK302038865**	Price	1.440	**WK301951473**	Price	1.440	**WK302749568**	Price
7/16-20	H5	4	3.156	1.440	**WK302749548**	Price	1.438	**WK302749550**	Price	-	**-**	-
1/2-13	H1	4	3.375	1.660	**WK302749545**	Price	1.660	**WK302866262**	Price	-	**-**	-
1/2-13	H3	4	3.375	1.660	**WK302749540**	Price	1.660	**WK302415661**	Price	1.660	**WK302749543**	Price
1/2-13	H5	4	3.375	1.660	**WK302749520**	Price	1.660	**WK302957246**	Price	-	**-**	-
1/2-20	H1	4	3.375	-	**-**	-	1.656	**WK302749517**	Price	-	**-**	-
1/2-20	H3	4	3.375	1.660	**WK301951476**	Price	1.660	**WK302749513**	Price	1.660	**WK302749514**	Price
1/2-20	H5	4	3.375	-	**-**	-	1.660	**WK302749491**	Price	-	**-**	-
9/16-12	H3	4	3.594	1.660	**WK302866184**	Price	1.660	**WK302866187**	Price	1.660	**WK303139336**	Price
9/16-12	H5	4	3.594	-	**-**	-	1.656	**WK302749481**	Price	-	**-**	-
9/16-18	H2	4	3.594	-	**-**	-	1.656	**WK302749478**	Price	-	**-**	-
9/16-18	H3	4	3.594	1.660	**WK302749474**	Price	1.660	**WK302749475**	Price	1.660	**WK302749476**	Price
9/16-18	H5	4	3.594	-	**-**	-	1.656	**WK302749463**	Price	-	**-**	-
5/8-11	H2	4	3.813	-	**-**	-	1.813	**WK302749461**	Price	-	**-**	-
5/8-11	H3	4	3.813	1.810	**WK302749456**	Price	1.810	**WK302749458**	Price	1.810	**WK302749460**	Price
5/8-11	H5	4	3.813	1.810	**WK302749441**	Price	1.810	**WK302749444**	Price	-	**-**	-
5/8-18	H2	4	3.813	-	**-**	-	1.813	**WK302749434**	Price	-	**-**	-
5/8-18	H3	4	3.813	1.810	**WK302749428**	Price	1.810	**WK302749431**	Price	1.810	**WK302749432**	Price
5/8-18	H5	4	3.813	1.810	**WK302749411**	Price	1.810	**WK302749414**	Price	-	**-**	-
11/16-11	H3	4	4.031	1.813	**WK302749403**	Price	1.060	**WK302749405**	Price	1.813	**WK302749406**	Price
11/16-16	H3	4	4.031	1.060	**WK302749396**	Price	1.813	**WK302749397**	Price	1.813	**WK302749400**	Price
3/4-10	H3	4	4.250	2.000	**WK303180808**	Price	2.000	**WK302749392**	Price	2.000	**WK302749394**	Price
3/4-10	H5	4	4.250	2.000	**WK302749376**	Price	2.000	**WK302749379**	Price	-	**-**	-
3/4-16	H3	4	4.250	2.000	**WK302749370**	Price	2.000	**WK301825322**	Price	2.000	**WK302749374**	Price
3/4-16	H4	4	4.250	-	**-**	-	2.000	**WK302710849**	Price	-	**-**	-
3/4-16	H5	4	4.250	2.000	**WK302749358**	Price	2.000	**WK302749359**	Price	-	**-**	-
7/8-9	H4	4	4.688	2.220	**WK302749352**	Price	2.220	**WK302749354**	Price	2.220	**WK302749356**	Price
7/8-9	H6	4	4.688	-	**-**	-	2.219	**WK302749342**	Price	-	**-**	-
7/8-14	H4	4	4.688	2.220	**WK302749336**	Price	2.220	**WK302749338**	Price	2.220	**WK302749340**	Price
7/8-14	H6	4	4.688	-	**-**	-	2.219	**WK302749329**	Price	-	**-**	-
1-8	H4	4	5.125	2.500	**WK302749324**	Price	2.500	**WK302749326**	Price	2.500	**WK302749327**	Price
1-8	H6	4	5.125	-	**-**	-	2.500	**WK302749311**	Price	-	**-**	-
1-12	H4	4	5.125	2.500	**WK303006761**	Price	2.500	**WK302749305**	Price	2.500	**WK302749308**	Price
1-14	H2	4	5.125	-	**-**	-	2.500	**WK302749297**	Price	-	**-**	-
1-14	H4	4	5.125	2.500	**WK303180807**	Price	2.500	**WK302749292**	Price	2.500	**WK302749294**	Price
1-1/8-7	H4	4	5.437	2.560	**WK302749278**	Price	2.560	**WK302749280**	Price	2.560	**WK302749281**	Price
1-1/8-12	H4	4	5.437	2.560	**WK302749269**	Price	2.560	**WK302749271**	Price	2.560	**WK302749274**	Price
1-1/4-7	H4	4	5.750	2.560	**WK302749261**	Price	2.560	**WK302749263**	Price	2.560	**WK302749265**	Price
1-1/4-12	H4	6	5.750	2.560	**WK302749256**	Price	2.560	**WK302749258**	Price	2.560	**WK303171056**	Price
1-3/8-6	H4	4	6.062	3.000	**WK302749251**	Price	3.000	**WK302749252**	Price	3.000	**WK303012774**	Price
1-3/8-12	H4	6	6.062	3.000	**WK302749246**	Price	3.000	**WK302749247**	Price	3.000	**WK303171057**	Price
1-1/2-6	H4	4	6.375	3.000	**WK302749240**	Price	3.000	**WK303012775**	Price	3.000	**WK302749241**	Price
1-1/2-12	H4	6	6.375	3.000	**WK302749233**	Price	3.000	**WK302749234**	Price	3.000	**WK303012776**	Price

HSS MORSE GP Eight Pitch Straight Flute Hand Taps

Ground Thread • High Speed Steel • Bright Finish



- Morse List #2046

Price					Bottoming		Plug		Taper	
Size	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price
1-8	H4	4	2-1/2	5-1/8	**MT3732659**	Price	**MT3732480**	Price	**MT3732323**	Price
1-8	H6	4	2-1/2	5-1/8	-	-	**MT3732481**	Price	-	-
1-1/8-8	H5	4	2-9/16	5-7/16	**MT3732501**	Price	**MT3732508**	Price	**MT3732334**	Price
1-1/4-8	H5	4	2-9/16	5-3/4	**MT3732502**	Price	**MT3732509**	Price	**MT3732336**	Price
1-3/8-8	H5	4	3	6-1/16	**MT3732503**	Price	**MT3732510**	Price	**MT3732338**	Price
1-1/2-8	H5	6	3	6-3/8	**MT3732504**	Price	**MT3732511**	Price	**MT3732340**	Price
1-5/8-8	H6	6	3-3/16	6-11/16	**MT3732505**	Price	**MT3732512**	Price	-	-
1-3/4-8	H6	6	3-3/16	7	**MT3732506**	Price	**MT3732513**	Price	**MT3732344**	Price
1-7/8-8	H6	6	3-9/16	7-5/16	**MT3732507**	Price	**MT3732514**	Price	-	-
2-8	H6	6	3-9/16	7-5/8	**MT3732516**	Price	**MT3732515**	Price	**MT3732348**	Price
2-1/8-8	H6	6	3-9/16	8	**MT3734933**	Price	**MT3734925**	Price	**MT3734919**	Price
2-1/4-8	H6	6	3-9/16	8-1/4	**MT3734934**	Price	**MT3734926**	Price	**MT3734920**	Price
2-3/8-8	H6	6	4	8-1/2	**MT3734935**	Price	**MT3734927**	Price	**MT3734921**	Price
2-1/2-8	H6	6	4	8-3/4	**MT3734936**	Price	**MT3734928**	Price	**MT3734922**	Price
2-5/8-8	H8	6	4	8-3/4	**MT3734937**	Price	**MT3734929**	Price	-	-
2-3/4-8	H6	6	4	9-1/4	**MT3734938**	Price	**MT3734930**	Price	**MT3734923**	Price
2-7/8-8	H8	6	4	9-1/4	**MT3734939**	Price	**MT3734931**	Price	-	-
3-8	H8	6	4-9/16	9-3/4	**MT3734940**	Price	**MT3734932**	Price	**MT3734924**	Price

HSS MORSE GP Cleanout Taps

Fractional, Machine Screw & Metric • High Speed Steel • Plug Chamfer



- Cleanout taps are used exclusively to restore existing internal threads by removing dirt, old finishes, burrs, and debris
- Cleanout taps are used by hand, hand held driver, drill press, or machine to restore threaded holes. When used by machine, a holder with axial float should be used, allowing the tap to time itself to existing threads.
- Pitch diameter tolerance is H0 for all machine screw and fractional threads and D0 for all metric threads
- Morse List # 2146

- Inch					
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
10-24	4	7/8	2-3/8	**MT9131850**	Price
10-32	4	7/8	2-3/8	**MT9131851**	Price
1/4-20	4	1	2-1/2	**MT9131852**	Price
1/4-28	4	1	2-1/2	**MT9131853**	Price
5/16-18	4	1-1/8	2-23/32	**MT9131854**	Price
5/16-24	4	1-1/8	2-23/32	**MT9131855**	Price
3/8-16	4	1-1/4	2-15/16	**MT9131856**	Price
3/8-24	4	1-1/4	2-15/16	**MT9131857**	Price
7/16-14	4	1-7/16	3-5/32	**MT9131858**	Price
7/16-20	4	1-7/16	3-5/32	**MT9131859**	Price
1/2-13	4	1-21/32	3-3/8	**MT9131860**	Price
1/2-20	4	1-21/32	3-3/8	**MT9131861**	Price
5/8-11	4	1-13/16	3-13/16	**MT9131862**	Price

- Inch					
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
5/8-18	4	1-13/16	3-13/16	**MT9131863**	Price
3/4-10	4	2	4-1/4	**MT9131864**	Price
3/4-16	4	2	4-1/4	**MT9131865**	Price

- Metric					
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
M6x1.0	4	1	2-1/2	**MT9131866**	Price
M8x1.25	4	1-1/8	2-23/32	**MT9131867**	Price
M10x1.5	4	1-1/4	2-15/16	**MT9131868**	Price
M12x1.75	4	1-21/32	3-3/8	**MT9131869**	Price
M14x2.0	4	1-21/32	3-19/32	**MT9131870**	Price
M16x2.0	4	1-13/16	3-19/32	**MT9131871**	Price

TiN Coated Plug Taps

TiN Coating

- Produces an extremely hard coating on tool surface
- Offers outstanding wear resistance, reduces friction and prevents galling
- Greatly increases tool life
- Increased lubricity and chip flow provide better surface finish and reduced torque
- Allows for increased speed & feeds to improve productivity

RAPIDKUT™



- Manufactured in the USA
- Consistent high quality threads
- General & high tech applications
- Premium steel
- Maximum tap life

RAPIDKUT PROCUT

			Rapidkut		ProCut	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price
4-40	H2	3	**EK75904402P**	Price	**EK70904402P**	Price
4-48	H2	3	**EK75904482P**	Price	**EK70904482P**	Price
5-40	H2	3	**EK75905402P**	Price	**EK70905402P**	Price
5-44	H2	3	**EK75905442P**	Price	**EK70905442P**	Price
6-32	H3	3	**EK75906323P**	Price	**EK70906323P**	Price
6-40	H2	3	**EK75906402P**	Price	**EK70906402P**	Price
8-32	H3	4	**EK75908323P**	Price	**EK70908323P**	Price
8-36	H2	4	**EK75908362P**	Price	**EK70908362P**	Price
10-24	H3	4	**EK75910243P**	Price	**EK70910243P**	Price
10-32	H3	4	**EK75910323P**	Price	**EK70910323P**	Price
12-24	H3	4	**EK75912243P**	Price	**EK70912243P**	Price
12-28	H3	4	**EK75912283P**	Price	**EK70912283P**	Price
1/4-20	H3	4	**EK754203P**	Price	**EK704203P**	Price
1/4-28	H3	4	**EK754283P**	Price	**EK704283P**	Price
5/16-18	H3	4	**EK755183P**	Price	**EK705183P**	Price
5/16-24	H3	4	**EK755243P**	Price	**EK705243P**	Price
3/8-16	H3	4	**EK756163P**	Price	**EK706163P**	Price
3/8-24	H3	4	**EK756243P**	Price	**EK706243P**	Price
7/16-14	H3	4	**EK757143P**	Price	**EK707143P**	Price

RAPIDKUT PROCUT

			Rapidkut		ProCut	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price
7/16-20	H3	4	**EK757203P**	Price	**EK707203P**	Price
1/2-13	H3	4	**EK758133P**	Price	**EK708133P**	Price
1/2-20	H3	4	**EK758203P**	Price	**EK708203P**	Price
5/8-11	H3	4	**EK7510113P**	Price	**EK7010113P**	Price
5/8-18	H3	4	**EK7510183P**	Price	**EK7010183P**	Price
3/4-10	H3	4	**EK7512103P**	Price	**EK7012103P**	Price
3/4-16	H3	4	**EK7512163P**	Price	**EK7012163P**	Price
7/8-9	H4	4	**EK7514094P**	Price	**EK7014094P**	Price
7/8-14	H4	4	**EK7514144P**	Price	**EK7014144P**	Price
1-8	H4	4	**EK7516084P**	Price	**EK7016084P**	Price
1-12	H4	4	**EK7516124P**	Price	**EK7016124P**	Price
1-1/8-7	H4	4	**EK7518074P**	Price	**EK7018074P**	Price
1-1/8-12	H4	4	**EK7518124P**	Price	**EK7018124P**	Price
1-1/4-7	H4	4	**EK7520074P**	Price	**EK7020074P**	Price
1-1/4-12	H4	6	**EK7520124P**	Price	**EK7020124P**	Price
1-3/8-6	H4	4	**EK7522064P**	Price	**EK7022064P**	Price
1-3/8-12	H4	6	**EK7522124P**	Price	**EK7022124P**	Price
1-1/2-6	H4	4	**EK7524064P**	Price	**EK7024064P**	Price
1-1/2-12	H4	6	**EK7524124P**	Price	**EK7024124P**	Price

Self Aligning Tapping Fixture



- Tap wrench is aligned in a slip fit steel guide which automatically squares the tap or reamer with the workpiece
- Round as well as flat parts are accurately accepted
- Tap wrench portion has jaw capacity up to 1/2”
- Delivered complete with 2 sets of jaws (one for up to 1/4” taps and another for 1/4” to 1/2” taps)

Order No.	Price
NE60390	Price

RAPIDKUT® 3 Pc. Metric Tap Sets

High Speed Steel • Ground Thread

- Set includes one of each: plug, taper, and bottoming
- Bright finish
- For both ferrous and non-ferrous materials



Set Range	Thread Length	OAL	No. of Flutes	Class of Fit	Order No.	Price
M2 x 0.40	7/16	1-3/4	3	D3	EP6029505	Price
M3 x 0.50	5/8	1-15/16	3	D3	EP6029506	Price
M4 x 0.70	3/4	2-1/8	4	D4	EP6029507	Price
M5 x 0.80	7/8	2-3/8	4	D4	EP6029508	Price
M6 x 1.00	1	2-1/2	4	D5	EP6029509	Price
M7 x 1.00	1-1/8	2-23/32	4	D5	EP6029510	Price
M8 x 1.25	1-1/8	2-23/32	4	D5	EP6029511	Price
M10 x 1.50	1-1/4	2-15/16	4	D6	EP6029512	Price
M12 x 1.75	1-21/32	3-3/8	4	D6	EP6029513	Price
M14 x 2.00	1-21/32	3-19/32	4	D7	EP6029514	Price
M16 x 2.00	1-13/16	3-13/16	4	D7	EP6029515	Price
M18 x 2.50	1-13/16	4-1/32	4	D7	EP6029516	Price
M20 x 2.50	2	4-15/32	4	D7	EP6029517	Price
M24 x 3.00	2-7/32	4-29/32	4	D8	EP6029518	Price

2 Pc. Tap Guide Set

Consists of (1) EV52221 and (1) EV52223



Order No.	Price
EV52225	Price

Tap Guide



- 1/2 Diameter hardened shank
- 3/16 Diameter hardened tension pin
- Adjustable tension spring
- Reversible tension pin for male and female hole centering
- With this tool you start every tap straight

Order No.	Price
EV52221	Price

Machine Tapping Guide

- Provides sensitive feel for hand tapping small holes on milling machines, drilling presses, and lathes
- Starts every hole straight and prevents tap breakage
- Shank diameter is 3/8; handle diameter is 1”
- #0 to #12 tap capacity



Order No.	Price
EV52223	Price

Micro Tap Guide

- Adjustable spring tensioned 1/2” body, knurled for easy handling
- Both male and female. just reverse the point and you have a center hole for small taps
- A handy accessory for any machinist’s box



Order No.	Price
NG4920MTG	Price

Metric Hand Taps

High Speed Steel • Ground Thread



RAPIDKUT® Price PROCUT

							Bottoming		Taper		Plug			
							Bright		Bright		Bright		TiN	
Size (mm)	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M1.6x0.35	D3	2	5/16	1-5/8	EP6027701	Price	EP6027702	Price	EP6027700	Price	EP5040016†	Price	-	-
M1.8x0.35	D3	2	3/8	1-11/16	EP6027705	Price	EP6027706	Price	EP6027704	Price	EP5040018†	Price	-	-
M2x0.40	D3	3	7/16	1-3/4	EP6027709	Price	EP6027710	Price	EP6027708	Price	EP5027709†	Price	EP5127709TN	Price
M2x0.45	D3	3	7/16	1-3/4	-	-	-	-	-	-	EP5040020†	Price	EP5140020TN	Price
M2.2x0.45	D3	3	7/16	1-3/4	EP6027713	Price	EP6027714	Price	EP6027712	Price	EP5027713†	Price	EP5127713TN	Price
M2.5x0.45	D3	3	1/2	1-13/16	EP6027717	Price	EP6027718	Price	EP6027716	Price	EP5027717†	Price	EP5127717TN	Price
M2.6x0.45	D3	3	7/16	1-3/4	-	-	-	-	-	-	EP5040026	Price	-	-
M3x0.35	D3	3	5/8	1-15/16	-	-	-	-	-	-	EP5040030	Price	-	-
M3x0.50	D3	3	5/8	1-15/16	EP6027721	Price	EP6027722	Price	EP6027720	Price	EP5027721†	Price	EP5127721TN	Price
M3.5x0.35	D4	4	11/16	2	-	-	-	-	-	-	EP5040035	Price	-	-
M3.5x0.60	D3	3	11/16	2	-	-	-	-	-	-	EP5027725†	Price	EP5127725TN	Price
M3.5x0.60	D4	3	11/16	2	EP6027725	Price	EP6027726	Price	EP6027724	Price	-	-	-	-
M4x0.35	D4	4	3/4	2-1/8	-	-	-	-	-	-	EP5040041	Price	-	-
M4x0.50	D4	4	3/4	2-1/8	-	-	-	-	-	-	EP5040040	Price	EP5140040TN	Price
M4x0.70	D2	4	3/4	2-1/8	EP6020121	Price	-	-	-	-	-	-	-	-
M4x0.70	D4	4	3/4	2-1/8	EP6027729	Price	EP6027730	Price	EP6027728	Price	EP5027729†	Price	EP5127729TN	Price
M4.5x0.75	D4	4	7/8	2-3/8	EP6027733	Price	EP6027734	Price	EP6027732	Price	EP5027733†	Price	EP5127733TN	Price
M5x0.50	D4	4	7/8	2-3/8	-	-	-	-	-	-	EP5040050	Price	EP5140050TN	Price
M5x0.80	D4	4	7/8	2-3/8	EP6027737	Price	EP6027738	Price	EP6027736	Price	EP5027737†	Price	EP5127737TN	Price
M5x0.90	D4	4	7/8	2-3/8	-	-	-	-	-	-	EP5040051	Price	EP5140051TN	Price
M5.5x0.90	D4	4	7/8	2-3/8	-	-	-	-	-	-	EP5040055	Price	-	-
M6x0.50	D4	4	1	2-1/2	-	-	-	-	-	-	EP5040061	Price	EP5140061TN	Price
M6x0.75	D4	4	1	2-1/2	-	-	-	-	-	-	EP5040060	Price	EP5140060TN	Price
M6x1.0	D3	4	1	2-1/2	EP6020169	Price	EP6020170	Price	-	-	-	-	-	-

(continued next page)

Metric Hand Taps (cont.)

High Speed Steel • Ground Thread



RAPIDKUT® Price

PROCUT

							Bottoming		Taper		Plug			
							Bright		Bright		Bright		TiN	
Size (mm)	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M6x1.0	D5	4	1	2-1/2	EP6027741	Price	EP6027742	Price	EP6027740	Price	EP5027741†	Price	EP5127741TN	Price
M7x1.0	D5	4	1-1/8	2-23/32	EP6027745	Price	EP6027746	Price	EP6027744	Price	EP5027745†	Price	EP5127745TN	Price
M8x0.75	D5	4	1-1/8	2-23/32	-	-	-	-	-	-	EP5040080	Price	EP5140080TN	Price
M8x1.0	D3	4	1-1/8	2-23/32	EP6020233	Price	EP6020234	Price	-	-	-	-	-	-
M8x1.0	D5	4	1-1/8	2-23/32	EP6027753	Price	EP6027754	Price	EP6027752	Price	EP5027753†	Price	EP5127753TN	Price
M8x1.25	D3	4	1-1/8	2-23/32	EP6020217	Price	EP6020218	Price	-	-	-	-	-	-
M8x1.25	D5	4	1-1/8	2-23/32	EP6027749	Price	EP6027750	Price	EP6027748	Price	EP5027749†	Price	EP5127749TN	Price
M9x0.75	D5	4	1-1/4	2-15/16	-	-	-	-	-	-	EP5040092	Price	EP5140092TN	Price
M9x1.0	D5	4	1-1/4	2-15/16	-	-	-	-	-	-	EP5040091	Price	EP5140091TN	Price
M9x1.25	D5	4	1-1/4	2-15/16	-	-	-	-	-	-	EP5040090†	Price	EP5140090TN	Price
M10x0.75	D5	4	1-1/4	2-15/16	-	-	-	-	-	-	EP5040100	Price	EP5140100TN	Price
M10x1.0	D5	4	1-1/4	2-15/16	-	-	-	-	-	-	EP5027850†	Price	EP5127850TN	Price
M10x1.25	D3	4	1-1/4	2-15/16	EP6020265	Price	EP6020266	Price	-	-	-	-	-	-
M10x1.25	D5	4	1-1/4	2-15/16	EP6027761	Price	EP6027762	Price	EP6027760	Price	EP5027761†	Price	EP5127761TN	Price
M10x1.5	D3	4	1-1/4	2-15/16	EP6020249	Price	EP6020250	Price	-	-	-	-	-	-
M10x1.5	D6	4	1-1/4	2-15/16	EP6027757	Price	EP6027758	Price	EP6027756	Price	EP5027757†	Price	EP5127757TN	Price
M11x1.0	D5	4	1-7/16	3-5/32	-	-	-	-	-	-	EP5040111	Price	-	-
M11x1.5	D6	4	1-7/16	3-5/32	-	-	-	-	-	-	EP5040110†	Price	EP5140110TN	Price
M12x1.0	D5	4	1-21/32	3-3/8	-	-	-	-	-	-	EP5040121	Price	EP5140121TN	Price
M12x1.25	D5	4	1-21/32	3-3/8	EP6027769	Price	EP6027770	Price	EP6027768	Price	EP5027769†	Price	EP5127769TN	Price
M12x1.5	D4	4	1-21/32	3-3/8	-	-	-	-	-	-	EP5040120	Price	EP5140120TN	Price
M12x1.75	D3	4	1-21/32	3-19/32	-	-	EP6020282	Price	-	-	-	-	-	-
M12x1.75	D3	4	1-21/32	3-3/8	EP6020281	Price	-	-	-	-	-	-	-	-
M12x1.75	D6	4	1-21/32	3-3/8	EP6027765	Price	EP6027766	Price	EP6027764	Price	EP5027765†	Price	EP5127765TN	Price
M14x1.0	D6	4	1-21/32	3-19/32	-	-	-	-	-	-	EP5040140	Price	EP5140140TN	Price
M14x1.25	D6	4	1-21/32	3-19/32	-	-	-	-	-	-	EP5027860	Price	EP5127860TN	Price
M14x1.5	D3	4	1-21/32	3-19/32	EP6020329	Price	-	-	-	-	-	-	-	-
M14x1.5	D6	4	1-21/32	3-19/32	EP6027777	Price	EP6027778	Price	EP6027776	Price	EP5027777†	Price	EP5127777TN	Price
M14x2.0	D7	4	1-21/32	3-19/32	EP6027773	Price	EP6027774	Price	EP6027772	Price	EP5027773†	Price	EP5127773TN	Price
M16x1.0	D6	4	1-13/16	3-13/16	-	-	-	-	-	-	EP5040161	Price	EP5140161TN	Price
M16x1.25	D5	4	1-13/16	3-13/16	-	-	-	-	-	-	EP5040160	Price	-	-
M16x1.5	D3	4	1-13/16	3-13/16	EP6020361	Price	-	-	-	-	-	-	-	-
M16x1.5	D6	4	1-13/16	3-13/16	EP6027785	Price	EP6027786	Price	EP6027784	Price	EP5027785	Price	EP5127785TN	Price
M16x2.0	D4	4	1-13/16	3-13/16	EP6020345	Price	-	-	-	-	-	-	-	-
M16x2.0	D7	4	1-13/16	3-13/16	EP6027781	Price	EP6027782	Price	EP6027780	Price	EP5027781†	Price	EP5127781TN	Price
M18x1.0	D6	4	1-13/16	4-1/32	-	-	-	-	-	-	EP5040181	Price	EP5140181TN	Price
M18x1.5	D3	4	1-13/16	4-1/32	EP6020394	Price	-	-	-	-	-	-	-	-
M18x1.5	D6	4	1-13/16	4-1/32	EP6027793	Price	EP6027794	Price	EP6027792	Price	EP5027793†	Price	EP5127793TN	Price
M18x2.0	D6	4	1-13/16	4-1/32	-	-	-	-	-	-	EP5040180	Price	-	-
M18x2.5	D7	4	1-13/16	4-1/32	EP6027789	Price	EP6027790	Price	EP6027788	Price	EP5027789†	Price	EP5127789TN	Price
M20x1.0	D7	4	2	4-15/32	-	-	-	-	-	-	EP5040201	Price	-	-
M20x1.5	D6	4	2	4-15/32	EP6027800	Price	EP6027801	Price	EP6027799	Price	EP5027800	Price	EP5127800TN	Price
M20x2.0	D6	4	2	4-15/32	-	-	-	-	-	-	EP5040200	Price	-	-
M20x2.5	D7	4	2	4-15/32	EP6027796	Price	EP6027797	Price	EP6027795	Price	EP5027796	Price	EP5127796TN	Price
M22x1.5	D6	4	2-7/32	4-11/16	EP6027806	Price	EP6027807	Price	EP6027805	Price	EP5027806	Price	EP5127806TN	Price
M22x2.0	D6	4	2-7/32	4-11/16	-	-	-	-	-	-	EP5040220	Price	-	-
M22x2.5	D7	4	2-7/32	4-11/16	EP6027803	Price	EP6027804	Price	EP6027802	Price	EP5027803	Price	EP5127803TN	Price
M24x1.0	D7	4	2-7/32	4-29/32	-	-	-	-	-	-	EP5040240	Price	-	-
M24x2.0	D7	4	2-7/32	4-29/32	EP6027812	Price	EP6027813	Price	EP6027811	Price	EP5027812†	Price	EP5127812TN	Price
M24x3.0	D8	4	2-7/32	4-29/32	EP6027809	Price	EP6027810	Price	EP6027808	Price	EP5027809	Price	EP5127809TN	Price
M27x1.5	D7	4	2-1/2	5-1/8	-	-	-	-	-	-	EP5040270	Price	-	-
M27x2.0	D7	4	2-1/2	5-1/8	EP6027818	Price	EP6027819	Price	EP6027817	Price	EP5027818†	Price	-	-
M27x3.0	D8	4	2-1/2	5-1/8	EP6027815	Price	EP6027816	Price	EP6027814	Price	EP5027815†	Price	-	-
M28x2.0	D7	4	2-9/16	5-7/16	-	-	-	-	-	-	EP5040280	Price	-	-
M30x2.0	D7	4	2-9/16	5-7/16	EP6027824	Price	EP6027825	Price	EP6027823	Price	EP5027824†	Price	EP5127824TN	Price
M30x3.5	D9	4	2-9/16	5-7/16	EP6027821	Price	EP6027822	Price	EP6027820	Price	EP5027821†	Price	EP5127821TN	Price
M33x2.0	D7	4	2-9/16	5-3/4	EP6027830	Price	EP6027831	Price	EP6027829	Price	-	-	-	-
M33x2.0	D7	4	2-9/16	5-3/4	-	-	-	-	-	-	EP5027830	Price	-	-
M33x3.5	D9	4	2-9/16	5-3/4	-	-	EP6027827	Price	EP6027826	Price	EP5027827†	Price	-	-
M36x3.0	D8	4	3	6-1/16	EP6027836	Price	EP6027837	Price	EP6027835	Price	EP5027836†	Price	-	-
M36x4.0	D9	4	3	6-1/16	EP6027833	Price	EP6027834	Price	EP6027832	Price	EP5027833	Price	-	-
M39x3.0	D8	6	3-3/16	6-11/16	EP6027842	Price	EP6027843	Price	EP6027841	Price	EP5027842†	Price	-	-
M39x4.0	D9	6	3-3/16	6-11/16	EP6027839	Price	EP6027840	Price	EP6027838	Price	EP5027839†	Price	-	-
M42x4.5	D10	6	3-3/16	6-11/16	-	-	-	-	-	-	EP5040420	Price	-	-
M45x4.5	D10	6	3-3/16	7	-	-	-	-	-	-	EP5040450	Price	-	-
M48x5.0	D10	6	3-9/16	7-5/16	-	-	-	-	-	-	EP5040480	Price	-	-
M52x5.0	D10	6	3-5/8	7-5/8	-	-	-	-	-	-	EP5040520	Price	-	-

†Available in Bottoming and Taper Styles - while supplies last

Metric Hand Taps

High Speed Steel • Ground Thread • Bright Finish



- Plug style shown
- Morse List #7500
- OSG List #141

					Morse Cutting Tools		OSG USA, Inc.		Morse Cutting Tools		OSG USA, Inc.		Morse Cutting Tools	
					Bottoming		Bottoming		Plug		Plug		Price	
Size	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M1.6x0.35	D3	2	5/16	1-5/8	MT3838116	Price	-	-	MT3838016	Price	-	-	MT3838141	Price
M1.8x0.35	D3	2	3/8	1-11/16	MT3838117	Price	-	-	MT3838017	Price	-	-	MT3838142	Price
M2x0.40	D3	3	7/16	1-3/4	MT3838118	Price	TP121977400	Price	MT3838018	Price	TP121977300	Price	MT3838143	Price
M2.2x0.45	D3	3	7/16	1-3/4	MT3838119	Price	-	-	MT3838019	Price	-	-	MT3838144	Price
M2.5x0.45	D3	3	1/2	1-13/16	MT3838101	Price	TP121972300	Price	MT3838001	Price	TP121972200	Price	MT3838145	Price
M3x0.50	D3	3	5/8	1-15/16	MT3838102	Price	TP121970200	Price	MT3838002	Price	TP121970100	Price	MT3838146	Price
M3.5x0.60	D4	3	11/16	2	MT3838103	Price	TP121972600	Price	MT3838003	Price	TP121972500	Price	MT3838147	Price
M4x0.70	D4	4	3/4	2-1/8	MT3838104	Price	TP121970500	Price	MT3838004	Price	TP121970400	Price	MT3838148	Price
M4.5x0.75	D4	4	7/8	2-3/8	MT3838105	Price	TP121972900	Price	MT3838005	Price	TP121972800	Price	MT3838149	Price
M5x0.80	D4	4	7/8	2-3/8	MT3838106	Price	TP121970800	Price	MT3838006	Price	TP121970700	Price	MT3838150	Price
M6x1.0	D5	4	1	2-1/2	MT3838107	Price	TP121971100	Price	MT3838007	Price	TP121971000	Price	MT3838151	Price
M7x1.0	D5	4	1-1/8	2-23/32	MT3838108	Price	TP121973200	Price	MT3838008	Price	TP121973100	Price	MT3838152	Price
M8x1.0	D5	4	1-1/8	2-23/32	MT3838120	Price	TP121973500	Price	MT3838020	Price	TP121973400	Price	MT3838153	Price
M8x1.25	D5	4	1-1/8	2-23/32	MT3838109	Price	TP121971400	Price	MT3838009	Price	TP121971300	Price	MT3838154	Price
M10x1.0	D5	4	1-1/4	2-15/16	-	-	TP121973800	Price	-	-	TP121973700	Price	-	-
M10x1.25	D5	4	1-1/4	2-15/16	MT3838121	Price	TP121974100	Price	MT3838021	Price	TP121974000	Price	MT3838155	Price
M10x1.5	D6	4	1-1/4	2-15/16	MT3838110	Price	TP121971700	Price	MT3838010	Price	TP121971600	Price	MT3838156	Price
M12x1.25	D5	4	1-21/32	3-3/8	MT3838122	Price	TP121974400	Price	MT3838022	Price	TP121974300	Price	MT3838157	Price
M12x1.5	D6	4	1-21/32	3-3/8	-	-	TP121974700	Price	-	-	TP121974600	Price	-	-
M12x1.75	D6	4	1-21/32	3-3/8	MT3838111	Price	TP121972000	Price	MT3838011	Price	TP121971900	Price	MT3838158	Price
M14x1.25	D5	4	1-21/32	3-19/32	-	-	TP121975000	Price	-	-	TP121974900	Price	-	-
M14x1.5	D6	4	1-21/32	3-19/32	MT3838123	Price	TP121977700	Price	MT3838023	Price	TP121977600	Price	MT3838159	Price
M14x2.0	D7	4	1-21/32	3-19/32	MT3838112	Price	TP121975300	Price	MT3838012	Price	TP121975200	Price	MT3838160	Price
M16x1.5	D6	4	1-13/16	3-13/16	MT3838124	Price	TP121975600	Price	MT3838024	Price	TP121975500	Price	MT3838161	Price
M16x2.0	D7	4	1-13/16	3-13/16	MT3838113	Price	TP121975900	Price	MT3838013	Price	TP121975800	Price	MT3838162	Price
M18x1.5	D6	4	1-13/16	'4-1/32	-	-	TP121976200	Price	-	-	TP121976100	Price	-	-
M18x1.5	D6	4	1-13/16	4-1/32	MT3838125	Price	-	-	MT3838025	Price	-	-	MT3838163	Price
M18x2.5	D7	4	1-13/16	'4-1/32	-	-	TP121976500	Price	-	-	TP121976400	Price	-	-
M18x2.5	D7	4	1-13/16	4-1/32	MT3838114	Price	-	-	MT3838014	Price	-	-	MT3838164	Price
M20x1.5	D6	4	2	4-15/32	MT3838126	Price	TP121976800	Price	MT3838026	Price	TP121976700	Price	MT3838165	Price
M20x2.5	D7	4	2	4-15/32	MT3838115	Price	TP121977100	Price	MT3838015	Price	TP121977000	Price	MT3838166	Price
M22x1.5	D6	4	2-7/32	4-11/16	MT3838127	Price	-	-	MT3838027	Price	-	-	MT3838167	Price
M22x2.5	D7	4	2-7/32	4-11/16	MT3838128	Price	-	-	MT3838028	Price	-	-	MT3838168	Price
M24x2.0	D7	4	2-7/32	4-29/32	MT3838129	Price	-	-	MT3838029	Price	-	-	MT3838169	Price
M24x3.0	D8	4	2-7/32	4-29/32	MT3838130	Price	-	-	MT3838030	Price	-	-	MT3838170	Price
M27x2.0	D7	4	2-1/2	5-1/8	MT3838131	Price	-	-	MT3838031	Price	-	-	MT3838171	Price
M27x3.0	D8	4	2-1/2	5-1/8	MT3838132	Price	-	-	MT3838032	Price	-	-	MT3838172	Price
M30x2.0	D7	4	2-9/16	5-7/16	MT3838133	Price	-	-	MT3838033	Price	-	-	MT3838173	Price
M30x3.5	D9	4	2-9/16	5-7/16	MT3838134	Price	-	-	MT3838034	Price	-	-	MT3838174	Price
M33x2.0	D7	6	2-9/16	5-3/4	MT3838138	Price	-	-	MT3838038	Price	-	-	MT3838178	Price
M33x3.5	D9	4	2-9/16	5-3/4	-	-	-	-	MT3838035	Price	-	-	-	-
M36x3.0	D8	4	3	6-1/16	MT3838136	Price	-	-	MT3838036	Price	-	-	MT3838176	Price
M36x4.0	D9	4	3	6-1/16	MT3838137	Price	-	-	MT3838037	Price	-	-	MT3838177	Price

Note: OSG steam oxide available

Spiral Point Taps

Machine Screw Sizes



- Plug style
- Ground thread
- 2 Flute
- High speed steel

					Rapidkut		ProCut	
Size	Thread Limit	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
0-80	H1	2	5/16	1-5/8	EL65900801P	Price	EL50900801P	Price
0-80	H2	2	5/16	1-5/8	EL65900802P	Price	EL50900802P	Price
1-64	H1	2	3/8	1-11/16	-	-	EL50901641P	Price
1-64	H2	2	3/8	1-11/16	EL65901642P	Price	EL50901642P	Price
1-72	H1	2	3/8	1-11/16	-	-	EL50901721P	Price
1-72	H2	2	3/8	1-11/16	EL65901722P	Price	EL50901722P	Price
2-56	H1	2	7/16	1-3/4	EL65902561P	Price	EL50902561P	Price
2-56	H2	2	7/16	1-3/4	EL65902562P	Price	EL50902562P	Price
2-64	H1	2	7/16	1-3/4	EL65902641P	Price	EL50902641P	Price
2-64	H2	2	7/16	1-3/4	EL65902642P	Price	EL50902642P	Price
3-48	H2	2	1/2	1-13/16	EL65903482P	Price	EL50903482P	Price
3-56	H1	2	1/2	1-13/16	-	-	EL50903561P	Price
3-56	H2	2	1/2	1-13/16	EL65903562P	Price	EL50903562P	Price

					Rapidkut		ProCut	
Size	Thread Limit	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
4-36	H2	2	9/16	1-7/8	EL65904362P	Price	EL50904362P	Price
4-40	H1	2	9/16	1-7/8	EL65904401P	Price	EL50904401P	Price
4-40	H2	2	9/16	1-7/8	EL65904402P	Price	EL50904402P	Price
4-48	H1	2	9/16	1-7/8	EL65904481P	Price	EL50904481P	Price
4-48	H2	2	9/16	1-7/8	EL65904482P	Price	EL50904482P	Price
5-40	H2	2	5/8	1-15/16	EL65905402P	Price	EL50905402P	Price
5-44	H2	2	5/8	1-15/16	EL65905442P	Price	EL50905442P	Price
6-32	H1	2	11/16	2	EL65906321P	Price	EL50906321P	Price
5-40	H1	2	5/8	1-15/16	-	-	EL50905401P	Price
6-32	H2	2	11/16	2	EL65906322P	Price	EL50906322P	Price
6-32	H3	2	11/16	2	EL65906323P	Price	EL50906323P	Price
5-40	H3	2	5/8	1-15/16	-	-	EL50905403P	Price
6-40	H2	2	11/16	2	EL65906402P	Price	EL50906402P	Price

(continued next page)

Spiral Point Taps (cont.)

Machine Screw Sizes



RAPIDKUT PROCUT

Size	Thread Limit	No. of Flutes	Thread Length (in.)	OAL (in.)	Rapidkut Order No.	Rapidkut Price	ProCut Order No.	ProCut Price
5-44	H1	2	5/8	1-15/16	-	-	EL50905441P	Price
6-40	H3	2	11/16	2	EL65906403P	Price	EL50906403P	Price
8-32	H1	2	3/4	2-1/8	EL65908321P	Price	EL50908321P	Price
5-44	H3	2	5/8	1-15/16	-	-	EL50905443P	Price
8-32	H2	2	3/4	2-1/8	EL65908322P	Price	EL50908322P	Price
8-32	H3	2	3/4	2-1/8	EL65908323P	Price	EL50908323P	Price
8-36	H1	2	3/4	2-1/8	EL65908361P	Price	EL50908361P	Price
8-36	H2	2	3/4	2-1/8	EL65908362P	Price	EL50908362P	Price
6-40	H1	2	11/16	2	-	-	EL50906401P	Price
8-36	H3	2	3/4	2-1/8	EL65908363P	Price	EL50908363P	Price
10-24	H1	2	7/8	2-3/8	EL65910241P	Price	EL50910241P	Price
10-24	H2	2	7/8	2-3/8	EL65910242P	Price	EL50910242P	Price
10-24	H3	2	7/8	2-3/8	EL65910243P	Price	EL50910243P	Price

RAPIDKUT PROCUT

Size	Thread Limit	No. of Flutes	Thread Length (in.)	OAL (in.)	Rapidkut Order No.	Rapidkut Price	ProCut Order No.	ProCut Price
10-32	H1	2	7/8	2-3/8	EL65910321P	Price	EL50910321P	Price
10-32	H2	2	7/8	2-3/8	EL65910322P	Price	EL50910322P	Price
10-32	H3	2	7/8	2-3/8	EL65910323P	Price	EL50910323P	Price
12-24	H3	2	15/16	2-3/8	EL65912243P	Price	EL50912243P	Price
12-28	H3	2	15/16	2-3/8	EL65912283P	Price	EL50912283P	Price
12-24	H1	2	15/16	2-3/8	-	-	EL50912241P	Price
12-24	H2	2	15/16	2-3/8	-	-	EL50912242P	Price
12-28	H2	2	15/16	2-3/8	-	-	EL50912282P	Price
14-20	H2	2	1	2-1/8	-	-	EL50914202P	Price
14-20	H3	2	1	2-1/8	-	-	EL50914203P	Price
14-24	H2	2	1	2-1/8	-	-	EL50914242P	Price
14-24	H3	2	1	2-1/8	-	-	EL50914243P	Price

WIDIA GUN™ Spiral Pointed Taps

High Speed Steel

- For through holes in general machining applications



Size	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
0-80	H1	2	.310	1.625	WK302750251	Price
0-80	H2	2	.310	1.625	WK302750249	Price
1-64	H2	2	.375	1.688	WK302750246	Price
1-72	H1	2	.375	1.688	WK302750243	Price
1-72	H2	2	.380	1.688	WK302750241	Price
2-56	H1	2	.440	1.750	WK302867066	Price
2-56	H2	2	.440	1.750	WK302867063	Price
2-64	H2	2	.440	1.750	WK302750238	Price
3-48	H2	2	.500	1.813	WK302750236	Price
3-56	H2	2	.500	1.813	WK302750231	Price
4-36	H2	2	.563	1.875	WK302750230	Price
4-40	H2	2	.560	1.875	WK302750228	Price
4-48	H2	2	.560	1.875	WK302750225	Price
5-40	H2	2	.620	1.938	WK302750220	Price
5-44	H2	2	.620	1.938	WK302750218	Price
8-32	H1	2	.750	2.125	WK302750204	Price
6-32	H2	2	.690	2.000	WK302750212	Price
6-32	H3	2	.690	2.000	WK302750210	Price
6-40	H2	2	.690	2.000	WK302750206	Price
8-32	H2	2	.750	2.125	WK302750202	Price
8-32	H3	2	.750	2.125	WK302750199	Price
8-36	H2	2	.750	2.125	WK302750193	Price
10-24	H1	2	.880	2.375	WK302750192	Price
10-24	H2	2	.880	2.375	WK302750190	Price
10-24	H3	2	.880	2.375	WK302409831	Price
10-32	H1	2	.880	2.375	WK302750179	Price
10-32	H2	2	.880	2.375	WK302750177	Price
10-32	H3	2	.880	2.375	WK302750175	Price
12-24	H3	2	.940	2.375	WK302750160	Price
12-28	H3	2	.940	2.375	WK302750159	Price
1/4-20	H1	2	1.000	2.500	WK302750156	Price
1/4-20	H2	2	1.000	2.500	WK302750154	Price
1/4-20	H3	2	1.000	2.500	WK302750152	Price
1/4-20	H5	2	1.000	2.500	WK302750143	Price
1/4-20	H3	3	1.000	2.500	WK302750148	Price
1/4-20	H5	3	1.000	2.500	WK302750141	Price
1/4-28	H1	2	1.000	2.500	WK302750135	Price

Size	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
1/4-28	H2	2	1.000	2.500	WK302750132	Price
1/4-28	H3	2	1.000	2.500	WK302750128	Price
1/4-28	H4	2	1.000	2.500	WK302750119	Price
1/4-28	H2	3	1.000	2.500	WK302750129	Price
1/4-28	H4	3	1.000	2.500	WK302750118	Price
5/16-18	H1	2	1.120	2.719	WK302750115	Price
5/16-18	H2	2	1.120	2.719	WK302750112	Price
5/16-18	H3	2	1.120	2.719	WK302750111	Price
5/16-18	H5	2	1.120	2.719	WK302750105	Price
5/16-18	H3	3	1.120	2.719	WK302750109	Price
5/16-18	H5	3	1.120	2.719	WK302750103	Price
5/16-24	H2	2	1.120	2.719	WK302750094	Price
5/16-24	H3	2	1.120	2.719	WK302750088	Price
5/16-24	H4	2	1.125	2.719	WK302750086	Price
5/16-24	H4	3	1.120	2.719	WK302750084	Price
3/8-16	H1	3	1.250	2.938	WK302750082	Price
3/8-16	H2	3	1.250	2.938	WK302750080	Price
3/8-16	H3	3	1.250	2.938	WK302750078	Price
3/8-16	H5	3	1.250	2.938	WK302750075	Price
3/8-24	H2	3	1.250	2.938	WK302866897	Price
3/8-24	H3	3	1.250	2.938	WK302750067	Price
3/8-24	H4	3	1.250	2.938	WK302750066	Price
7/16-14	H2	3	1.440	3.156	WK302750062	Price
7/16-14	H3	3	1.440	3.156	WK302750060	Price
7/16-14	H5	3	1.440	3.156	WK302750058	Price
7/16-20	H3	3	1.440	3.156	WK302750055	Price
7/16-20	H5	3	1.440	3.156	WK302750054	Price
1/2-13	H2	3	1.660	3.375	WK302750053	Price
1/2-13	H3	3	1.660	3.375	WK302750052	Price
1/2-13	H5	3	1.660	3.375	WK302750047	Price
1/2-20	H2	3	1.656	3.375	WK302750041	Price
1/2-20	H3	3	1.660	3.375	WK302750040	Price
1/2-20	H5	3	1.660	3.375	WK302750039	Price
5/8-11	H3	3	1.810	3.813	WK302750036	Price
5/8-11	H5	3	1.810	3.813	WK302750032	Price
5/8-18	H3	3	1.810	3.813	WK302750028	Price
3/4-10	H3	3	2.000	4.250	WK302750024	Price
3/4-10	H5	3	2.000	4.250	WK302750023	Price

WIDIA GUN™ Spiral Pointed Taps

High Speed Steel • Plug Style

- For through holes in general machining applications



Size	Thread Limits	No. of Flutes	Thread Length	OAL	Order No.	Price
M1.6x0.35	D3	2	.310	1.625	WK302750021	Price
M2x0.40	6H	2	11.1mm	44.45mm	WK302750018	Price
M2.5x0.45	6H	2	12.7mm	46.04mm	WK302750017	Price
M3x0.50	6H	2	15.9mm	49.21mm	WK302750015	Price
M3.5x0.60	D4	2	17.5mm	50.8mm	WK302750013	Price
M4x0.70	6H	2	19mm	53.98mm	WK302750012	Price
M4.5x0.75	D4	2	22.2mm	60.32mm	WK302750010	Price
M5x0.80	6H	2	22.2mm	60.32mm	WK302750009	Price
M6.3x1.0	D5	2	25.4mm	63.5mm	WK302750002	Price
M6x1.0	6H	2	25.4mm	63.5mm	WK302750005	Price

Size	Thread Limits	No. of Flutes	Thread Length	OAL	Order No.	Price
M7x1.0	D5	2	28.6mm	69.06mm	WK302750000	Price
M8x1.25	6H	2	28.6mm	69.06mm	WK302749995	Price
M10x1.5	6H	3	31.8mm	74.61mm	WK302749991	Price
M12x1.75	D6	3	1.660	3.380	WK302749985	Price
M14x2.0	D7	3	1.660	3.590	WK302749982	Price
M16x2.0	D7	3	1.810	3.810	WK302749979	Price
M18x2.5	D7	3	46mm	102.39mm	WK302749977	Price
M20x2.5	D7	3	2.000	4.470	WK302749975	Price

Spiral Point Taps
Fractional Sizes

- Plug style
- Ground thread
- High speed steel



RAPIDKUT PROCUT

					Rapidkut		ProCut	
Size	Thread Limit	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/4-20	H1	2	1	2-1/2	EL654201P	Price	EL504201P	Price
1/4-20	H2	2	1	2-1/2	EL654202P	Price	EL504202P	Price
1/4-20	H3	2	1	2-1/2	EL654203P	Price	EL504203P	Price
1/4-20	H4	2	1	2-1/2	-	-	EL504204P	Price
1/4-28	H1	2	1	2-1/2	-	-	EL504281P	Price
1/4-28	H2	2	1	2-1/2	EL654282P	Price	EL504282P	Price
1/4-28	H3	2	1	2-1/2	EL654283P	Price	EL504283P	Price
1/4-28	H4	2	1	2-1/2	EL654284P	Price	-	-
5/16-18	H2	2	1-1/8	2-23/32	EL655182P	Price	EL505182P	Price
5/16-18	H3	2	1-1/8	2-23/32	EL655183P	Price	EL505183P	Price
5/16-18	H5	2	1-1/8	2-23/32	EL655185P	Price	EL505185P	Price
5/16-24	H1	2	1-1/8	2-23/32	EL655241P	Price	-	-
5/16-24	H2	2	1-1/8	2-23/32	EL655242P	Price	EL505242P	Price
5/16-24	H3	2	1-1/8	2-23/32	EL655243P	Price	EL505243P	Price
5/16-24	H4	2	1-1/8	2-23/32	-	-	EL505244P	Price
5/16-24	H5	4	1-1/8	2-23/32	EL655245P	Price	-	-
3/8-16	H2	3	1-1/4	2-15/16	EL656162P	Price	EL506162P	Price
3/8-16	H3	3	1-1/4	2-15/16	EL656163P	Price	EL506163P	Price
3/8-16	H5	3	1-1/4	2-15/16	EL656165P	Price	EL506165P	Price
3/8-24	H2	3	1-1/4	2-15/16	EL656242P	Price	EL506242P	Price
3/8-24	H3	3	1-1/4	2-15/16	EL656243P	Price	EL506243P	Price
3/8-24	H5	3	1-1/4	2-15/16	-	-	EL506245P	Price
7/16-14	H2	3	1-7/16	3-5/32	EL657142P	Price	EL507142P	Price
7/16-14	H3	3	1-7/16	3-5/32	EL657143P	Price	EL507143P	Price
7/16-14	H4	3	1-7/16	3-5/32	-	-	EL507144P	Price
7/16-14	H5	3	1-7/16	3-5/32	EL657145P	Price	EL507145P	Price
7/16-20	H2	3	1-7/16	3-5/32	EL657202P	Price	EL507202P	Price
7/16-20	H3	3	1-7/16	3-5/32	EL657203P	Price	EL507203P	Price
7/16-20	H4	3	1-7/16	3-5/32	EL657204P	Price	EL507204P	Price
7/16-20	H5	3	1-7/16	3-5/32	EL657205P	Price	EL507205P	Price
1/2-13	H1	3	1-21/32	3-3/8	-	-	EL508131P	Price
1/2-13	H2	3	1-21/32	3-3/8	EL658132P	Price	EL508132P	Price
1/2-13	H3	3	1-21/32	3-3/8	EL658133P	Price	EL508133P	Price
1/2-13	H5	3	1-21/32	3-3/8	EL658135P	Price	EL508135P	Price
1/2-20	H2	3	1-21/32	3-3/8	EL658202P	Price	EL508202P	Price
1/2-20	H3	3	1-21/32	3-3/8	EL658203P	Price	EL508203P	Price
1/2-20	H5	3	1-21/32	3-3/8	EL658205P	Price	-	-
9/16-12	H3	3	1-13/16	3-3/16	EL659123P	Price	EL5009123P	Price
9/16-12	H5	3	1-13/16	3-3/16	EL659125P	Price	-	-
9/16-18	H3	3	1-13/16	3-3/16	EL659183P	Price	EL5009183P	Price
5/8-11	H3	3	1-13/16	3-3/16	EL6510113P	Price	EL5010113P	Price
5/8-11	H5	3	1-13/16	3-3/16	-	-	EL5010115P	Price
5/8-18	H3	3	1-13/16	3-3/16	EL6510183P	Price	EL5010183P	Price
5/8-18	H5	3	1-13/16	3-3/16	-	-	EL5010185P	Price
11/16-11	H3	3	2	4-1/4	-	-	EL5011113P	Price
11/16-16	H3	3	2	4-1/4	-	-	EL5011163P	Price
3/4-10	H3	3	2	4-1/4	EL6512103P	Price	EL5012103P	Price
3/4-10	H5	3	2	4-1/4	-	-	EL5012105P	Price
3/4-16	H3	3	2	4-1/4	EL6512163P	Price	EL5012163P	Price
3/4-16	H5	3	2	4-1/4	-	-	EL5012165P	Price
7/8-9	H2	3	2-7/32	4-11/16	-	-	EL5014092P	Price
7/8-9	H4	3	2-7/32	4-11/16	EL6514094P	Price	EL5014094P	Price
7/8-14	H3	3	2-7/32	4-11/16	EL6514143P	Price	EL5014143P	Price
7/8-14	H4	3	2-7/32	4-11/16	EL6514144P	Price	EL5014144P	Price
1-8	H3	3	2-1/2	5-1/8	-	-	EL5016083P	Price
1-8	H4	3	2-1/2	5-1/8	-	-	EL5016084P	Price
1-12	H3	3	2-1/2	5-1/8	-	-	EL5016123P	Price
1-12	H4	3	2-1/2	5-1/8	-	-	EL5016124P	Price
1-12	H5	3	2-1/2	5-1/8	-	-	EL5016125P	Price
1-14	H3	3	2-1/2	5-1/8	EL6516143P	Price	EL5016143P	Price
1-14	H4	3	2-1/2	5-1/8	-	-	EL5016144P	Price

General Purpose Spiral Point Taps

- Plug & bottoming style
- Ground thread
- High speed steel

HSS M GP

- Morse List #2070 (machine screw sizes) 2047 (fractional)
- OSG List #105B (bottoming), 105 (plug)



			Plug		Bottoming		Plug				Bottoming			
			Bright		Bright		Price		Steam Oxide		Bright		Steam Oxide	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
0-80	H1	2	MT3634001	Price	-	-	TP111200000	Price	-	-	TP111200100	Price	-	-
0-80	H2	2	MT3634002	Price	MT3634101	Price	TP111205000	Price	TP111205001	Price	TP113000100	Price	-	-
0-80	H3	2	-	-	-	-	TP111210000	Price	TP111210001	Price	-	-	-	-
1-64	H1	2	MT3634003	Price	-	-	TP111200200	Price	-	-	-	-	-	-
1-64	H2	2	MT3634004	Price	-	-	TP111205200	Price	TP111205201	Price	-	-	-	-
1-72	H1	2	MT3634005	Price	-	-	TP111200400	Price	-	-	-	-	-	-
1-72	H2	2	MT3634006	Price	-	-	TP111205400	Price	TP111205401	Price	-	-	-	-
2-56	H2	2	MT3634008	Price	MT3634102	Price	TP111205600	Price	TP111205601	Price	TP111205700	Price	-	-
2-56	H3	2	-	-	-	-	TP111210600	Price	TP111210601	Price	-	-	-	-

General Purpose Spiral Point Taps (cont.)

HSS MI GP

			Plug		Bottoming		Plug				Bottoming			
			Bright		Bright		Price		Steam Oxide		Bright		Steam Oxide	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
2-56	H5	2	-	-	-	-	TP111215600	Price	-	-	-	-	-	-
2-64	H2	2	MT3634010	Price	-	-	TP111205800	Price	TP111205801	Price	-	-	-	-
3-48	H2	2	MT3634012	Price	MT3634103	Price	TP111206000	Price	TP111206001	Price	TP111206100	Price	-	-
3-56	H1	2	MT3634013	Price	-	-	TP111201200	Price	-	-	-	-	-	-
3-56	H2	2	MT3634014	Price	-	-	TP111206200	Price	TP111206201	Price	-	-	-	-
4-36	H2	2	MT3634019	Price	-	-	TP111206800	Price	-	-	-	-	-	-
4-40	H1	2	MT3634015	Price	-	-	TP111201400	Price	-	-	-	-	-	-
4-40	H2	2	MT3634016	Price	MT3634104	Price	TP111206400	Price	TP111206401	Price	TP111206500	Price	TP111206501	Price
4-40	H3	2	-	-	-	-	TP111211400	Price	TP111211401	Price	-	-	-	-
4-40	H5	2	-	-	-	-	TP111216400	Price	-	-	-	-	-	-
4-48	H1	2	MT3634017	Price	-	-	TP111201600	Price	-	-	-	-	-	-
4-48	H2	2	MT3634018	Price	MT3634105	Price	TP111206600	Price	TP111206601	Price	TP111206700	Price	-	-
5-40	H1	2	MT3634020	Price	-	-	TP111202000	Price	-	-	-	-	-	-
5-40	H2	2	MT3634021	Price	MT3634106	Price	TP111207000	Price	TP111207001	Price	TP111207100	Price	-	-
5-44	H2	2	MT3634022	Price	-	-	TP111207200	Price	TP111207201	Price	-	-	-	-
6-32	H1	2	MT3634023	Price	-	-	TP111202400	Price	-	-	-	-	-	-
6-32	H2	2	MT3634024	Price	MT3634107	Price	TP111207400	Price	TP111207401	Price	TP111207500	Price	-	-
6-32	H3	2	MT3634025	Price	MT3634108	Price	TP111212400	Price	TP111212401	Price	TP111212500	Price	TP111212501	Price
6-32	H4	2	-	-	-	-	TP112003900	Price	-	-	-	-	-	-
6-32	H5	2	-	-	-	-	TP111217400	Price	TP111217401	Price	-	-	-	-
6-40	H2	2	MT3634026	Price	MT3634109	Price	TP111207600	Price	TP111207601	Price	TP111207700	Price	-	-
8-32	H1	2	MT3634027	Price	-	-	TP111202800	Price	-	-	-	-	-	-
8-32	H2	2	MT3634028	Price	MT3634110	Price	TP111207800	Price	TP111207801	Price	TP111207900	Price	-	-
8-32	H3	2	MT3634029	Price	MT3634111	Price	TP111212800	Price	TP111212801	Price	TP111212900	Price	TP111212901	Price
8-32	H5	2	-	-	-	-	TP111217800	Price	TP111217801	Price	-	-	-	-
8-36	H2	2	MT3634030	Price	-	-	TP111208200	Price	-	-	-	-	-	-
10-24	H1	2	MT3634031	Price	-	-	TP111203400	Price	-	-	-	-	-	-
10-24	H2	2	MT3634032	Price	MT3634112	Price	TP111208400	Price	TP111208401	Price	TP11300450	Price	-	-
10-24	H3	2	MT3634033	Price	MT3634113	Price	TP111213400	Price	TP111213401	Price	TP111213500	Price	-	-
10-24	H5	2	-	-	-	-	TP112006600	Price	-	-	-	-	-	-
10-32	H1	2	MT3634034	Price	-	-	TP111203800	Price	-	-	-	-	-	-
10-32	H2	2	MT3634035	Price	MT3634114	Price	TP111208800	Price	TP111208801	Price	TP111208900	Price	-	-
10-32	H3	2	MT3634036	Price	MT3634115	Price	TP111213800	Price	TP111213801	Price	TP111213900	Price	TP111213901	Price
10-32	H5	2	-	-	-	-	TP111218800	Price	TP111218801	Price	-	-	-	-
12-24	H3	2	MT3634038	Price	MT3634116	Price	TP111214200	Price	-	-	TP111214300	Price	-	-
12-28	H3	2	MT3634039	Price	-	-	TP111214400	Price	-	-	-	-	-	-
1/4-20	H1	2	MT3633001	Price	-	-	TP111220000	Price	-	-	-	-	-	-
1/4-20	H2	2	MT3633002	Price	-	-	TP111225000	Price	-	-	-	-	-	-
1/4-20	H3	2	MT3633003	Price	MT3633101	Price	TP111230000	Price	TP111230001	Price	TP111230100	Price	TP111230101	Price
1/4-20	H3	3	MT3633005	Price	-	-	TP111230200	Price	TP111230201	Price	-	-	-	-
1/4-20	H5	2	MT3633004	Price	-	-	TP111240000	Price	-	-	-	-	-	-
1/4-20	H5	3	MT3633006	Price	-	-	TP111240200	Price	-	-	-	-	-	-
1/4-28	H1	2	MT3633007	Price	-	-	TP111220400	Price	-	-	-	-	-	-
1/4-28	H2	2	MT3633008	Price	-	-	TP111225400	Price	-	-	-	-	-	-
1/4-28	H2	3	MT3633011	Price	-	-	TP111225600	Price	-	-	-	-	-	-
1/4-28	H3	2	MT3633009	Price	MT3633102	Price	TP111230400	Price	TP111230401	Price	TP111230500	Price	TP111230501	Price
1/4-28	H4	2	MT3633010	Price	-	-	TP111235400	Price	-	-	-	-	-	-
1/4-28	H4	3	MT3633012	Price	-	-	TP111235600	Price	-	-	-	-	-	-
5/16-18	H1	2	MT3633013	Price	-	-	TP111220800	Price	-	-	-	-	-	-
5/16-18	H2	2	MT3633014	Price	-	-	TP111225800	Price	-	-	-	-	-	-
5/16-18	H3	2	MT3633015	Price	MT3633103	Price	TP111230800	Price	TP111230801	Price	TP111230900	Price	TP111230901	Price
5/16-18	H3	3	MT3633017	Price	-	-	TP111231000	Price	-	-	-	-	-	-
5/16-18	H5	2	MT3633016	Price	-	-	TP111240800	Price	-	-	-	-	-	-
5/16-18	H5	3	MT3633018	Price	-	-	TP111241000	Price	-	-	-	-	-	-
5/16-24	H1	2	MT3633019	Price	-	-	TP111221200	Price	-	-	-	-	-	-
5/16-24	H2	2	MT3633020	Price	-	-	TP111226200	Price	-	-	-	-	-	-
5/16-24	H2	3	MT3633023	Price	-	-	TP111226400	Price	-	-	-	-	-	-
5/16-24	H3	2	MT3633021	Price	MT3633104	Price	TP111231200	Price	TP111231201	Price	TP111231300	Price	-	-
5/16-24	H4	2	MT3633022	Price	-	-	TP111236200	Price	-	-	-	-	-	-
5/16-24	H4	3	MT3633024	Price	-	-	TP111236400	Price	-	-	-	-	-	-
3/8-16	H1	3	MT3633025	Price	-	-	TP111221600	Price	-	-	-	-	-	-
3/8-16	H2	3	MT3633026	Price	-	-	TP111226600	Price	-	-	-	-	-	-
3/8-16	H3	3	MT3633027	Price	-	-	TP111231600	Price	TP111231601	Price	TP111231700	Price	TP111231701	Price
3/8-16	H5	3	MT3633028	Price	-	-	TP111241600	Price	-	-	-	-	-	-
3/8-24	H1	3	MT3633029	Price	-	-	TP111221800	Price	-	-	-	-	-	-
3/8-24	H2	3	MT3633030	Price	-	-	TP111226800	Price	-	-	-	-	-	-
3/8-24	H3	3	MT3633031	Price	-	-	TP111231800	Price	TP111231801	Price	-	-	-	-
3/8-24	H4	3	MT3633032	Price	-	-	TP111236800	Price	-	-	-	-	-	-
7/16-14	H2	3	MT3633033	Price	-	-	TP111227000	Price	-	-	-	-	-	-
7/16-14	H3	3	MT3633034	Price	-	-	TP111232000	Price	-	-	-	-	-	-
7/16-14	H5	3	MT3633035	Price	-	-	TP111242000	Price	-	-	-	-	-	-
7/16-20	H3	3	MT3633036	Price	-	-	TP111232200	Price	TP111232201	Price	-	-	-	-
7/16-20	H5	3	MT3633037	Price	-	-	TP111242200	Price	-	-	-	-	-	-
1/2-13	H2	3	MT3633039	Price	-	-	TP111227400	Price	-	-	-	-	-	-
1/2-13	H3	3	MT3633040	Price	-	-	TP111232400	Price	TP111232401	Price	-	-	-	-
1/2-13	H5	3	MT3633041	Price	-	-	TP111242400	Price	-	-	-	-	-	-
1/2-20	H1	3	MT3633042	Price	-	-	TP111222600	Price	-	-	-	-	-	-
1/2-20	H2	3	MT3633043	Price	-	-	TP111227600	Price	-	-	-	-	-	-
1/2-20	H3	3	MT3633044	Price	-	-	TP111232600	Price	TP111232601	Price	-	-	-	-
1/2-20	H5	3	MT3633045	Price	-	-	TP111242600	Price	-	-	-	-	-	-
5/8-11	H3	3	MT3633046	Price	-	-	TP111233200	Price	TP111233201	Price	-	-	-	-
5/8-11	H5	3	MT3633047	Price	-	-	TP111243200	Price	-	-	-	-	-	-
5/8-18	H3	3	MT3633050	Price	-	-	TP111233400	Price	TP111233401	Price	-	-	-	-
3/4-10	H3	3	MT3633048	Price	-	-	TP111233600	Price	TP111233601	Price	-	-	-	-
3/4-10	H5	3	MT3633049	Price	-	-	TP111243600	Price	-	-	-	-	-	-
3/4-16	H3	3	MT3633052	Price	-	-	TP111233800	Price	TP111233801	Price	-	-	-	-

Note: OSG steam oxide available

TiN Coated Spiral Point Plug Taps

TiN Coating
- Produces an extremely hard coating on tool surface
- Offers outstanding wear resistance, reduces friction and prevents galling
- Greatly increases tool life
- Increased lubricity and chip flow provide better surface finish and reduced torque
- Allows for increased speed & feeds to improve productivity

RAPIDKUT™
- Manufactured in the USA
- Consistent high quality threads
- General & high tech applications
- Premium steel
- Maximum tap life



RAPIDKUT PROCUT

			Rapidkut		ProCut	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price
4-40	H2	2	**EL75904402P**	Price	**EL70904402P**	Price
4-48	H2	2	**EL75904482P**	Price	**EL70904482P**	Price
5-40	H2	2	**EL75905402P**	Price	**EL70905402P**	Price
5-44	H2	2	**EL75905442P**	Price	**EL70905442P**	Price
6-32	H3	2	**EL75906323P**	Price	**EL70906323P**	Price
6-40	H2	2	**EL75906402P**	Price	**EL70906402P**	Price
8-32	H3	2	**EL75908323P**	Price	**EL70908323P**	Price
8-36	H2	2	**EL75908362P**	Price	**EL70908362P**	Price
10-24	H3	2	**EL75910243P**	Price	**EL70910243P**	Price
10-32	H3	2	**EL75910323P**	Price	**EL70910323P**	Price
12-24	H3	2	**EL75912243P**	Price	**EL70912243P**	Price
12-28	H3	2	**EL75912283P**	Price	**EL70912283P**	Price
1/4-20	H3	2	**EL754203P**	Price	**EL704203P**	Price
1/4-28	H3	2	**EL754283P**	Price	**EL704283P**	Price
5/16-18	H3	2	**EL755183P**	Price	**EL705183P**	Price
5/16-24	H3	2	**EL755243P**	Price	**EL705243P**	Price
3/8-16	H3	3	**EL756163P**	Price	**EL706163P**	Price
3/8-24	H3	3	**EL756243P**	Price	**EL706243P**	Price
7/16-14	H3	3	**EL757143P**	Price	**EL707143P**	Price
7/16-20	H3	3	**EL757203P**	Price	**EL707203P**	Price
1/2-13	H3	3	**EL758133P**	Price	**EL708133P**	Price
1/2-20	H3	3	**EL758203P**	Price	**EL708203P**	Price
5/8-11	H3	3	**EL7510113P**	Price	**EL7010113P**	Price
5/8-18	H3	3	**EL7510183P**	Price	**EL7010183P**	Price
3/4-10	H3	3	**EL7512103P**	Price	**EL7012103P**	Price
3/4-16	H3	3	**EL7512163P**	Price	**EL7012163P**	Price
7/8-9	H4	3	**-**	-	**EL7014094P**	Price
7/8-14	H4	3	**-**	-	**EL7014144P**	Price
1-8	H4	3	**-**	-	**EL7016084P**	Price
1-12	H4	3	**-**	-	**EL7016124P**	Price

WIDIA Fast Spiral Fluted Taps

High Speed Steel • Bottoming

- For through holes in general machining applications



Size	Thread Limits	No. of Flutes	Thread Length	OAL	Order No.	Price
4-40	H2	2	.560	1.875	**WK302748375**	Price
5-40	H2	2	.560	1.938	**WK302748370**	Price
6-32	H3	2	.380	2.000	**WK302748367**	Price
8-32	H3	3	.380	2.125	**WK303083563**	Price
10-24	H3	3	.500	2.375	**WK302748361**	Price
10-32	H3	3	.500	2.375	**WK302748356**	Price
12-24	H3	3	.500	2.375	**WK302748353**	Price
1/4-20	H3	3	.620	2.500	**WK302748351**	Price
1/4-28	H3	3	.620	2.500	**WK301775500**	Price
5/16-18	H3	3	.680	2.719	**WK302748339**	Price
5/16-24	H3	3	.680	2.719	**WK303012779**	Price
3/8-16	H3	3	.740	2.938	**WK303083460**	Price
3/8-24	H3	3	.750	2.938	**WK302748329**	Price
7/16-14	H3	3	.880	3.156	**WK302748325**	Price
7/16-20	H3	3	.880	3.156	**WK302748321**	Price
1/2-13	H3	3	.940	3.375	**WK302748317**	Price
1/2-20	H3	3	.940	3.375	**WK302748314**	Price
5/8-11	H3	4	1.090	3.813	**WK302748309**	Price
3/4-10	H3	4	1.220	4.250	**WK303083458**	Price

WIDIA Fast Spiral Fluted Taps

High Speed Steel • Bottoming

- For through holes in general machining applications



Size	Thread Limit	No. of Flutes	Thread Limits	OAL	Order No.	Price
M3x0.50	D3	2	.310	1.940	**WK302748300**	Price
M4x0.70	D4	3	.380	2.130	**WK302748296**	Price
M5x0.80	D4	3	.500	2.380	**WK302748293**	Price
M6x1.0	D5	3	.380	2.500	**WK302748288**	Price
M8x1.25	D5	3	.680	2.720	**WK302748284**	Price
M10x1.5	D6	3	.740	2.940	**WK302748275**	Price
M12x1.75	D6	3	.940	3.380	**WK302748271**	Price

Metric Spiral Point Plug Taps High Speed Steel • Ground Thread

- Morse List #7501
- OSG List #142



HSS M GP RAPIDKUT PROCUT

			Morse Cutting Tools		Rapidkut		OSG USA, Inc.				ProCut			
			Bright		Bright		Price		Steam Oxide		Bright		TiN	
Size	Thread Limit	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M1.6x0.35	D3	2	**MT3838516**	Price	**EP6527703**	Price	**-**	-	**-**	-	**EP5037703**	Price	**-**	-
M1.8x0.35	D3	2	**MT3838517**	Price	**EP6527707**	Price	**-**	-	**-**	-	**EP5037707**	Price	**-**	-
M2x0.40	D3	2	**MT3838518**	Price	**EP6527711**	Price	**TP121982000**	Price	**TP121982001**	Price	**EP5037711**	Price	**EP5137711TN**	Price
M2.2x0.45	D3	2	**MT3838519**	Price	**EP6527715**	Price	**-**	-	**-**	-	**-**	-	**-**	-
M2.5x0.45	D3	2	**MT3838501**	Price	**EP6527719**	Price	**TP121982100**	Price	**TP121982101**	Price	**EP5037719**	Price	**EP5137719TN**	Price
M3x0.50	D3	2	**MT3838502**	Price	**EP6527723**	Price	**TP121980100**	Price	**-**	-	**EP5037723**	Price	**EP5137723TN**	Price
M3.5x0.60	D3	2	**-**	-	**-**	-	**-**	-	**-**	-	**EP5037727**	Price	**EP5137727TN**	Price
M3.5x0.60	D4	2	**MT3838503**	Price	**EP6527727**	Price	**TP121982200**	Price	**TP121982201**	Price	**-**	-	**-**	-
M4x0.70	D2	2	**-**	-	**EP6520123**	Price	**-**	-	**-**	-	**-**	-	**-**	-
M4x0.70	D4	2	**MT3838504**	Price	**EP6527731**	Price	**TP121980400**	Price	**TP121980401**	Price	**EP5037731**	Price	**EP5137731TN**	Price
M4.5x0.75	D4	2	**MT3838505**	Price	**EP6527735**	Price	**TP121982300**	Price	**TP121982301**	Price	**EP5037735**	Price	**EP5137735TN**	Price
M5x0.80	D2	2	**-**	-	**EP6520155**	Price	**-**	-	**-**	-	**-**	-	**-**	-
M5x0.80	D4	2	**MT3838506**	Price	**EP6527739**	Price	**TP121980700**	Price	**TP121980701**	Price	**EP5037739**	Price	**EP5137739TN**	Price

Metric Spiral Point Plug Taps High Speed Steel • Ground Thread (cont.)



			Morse Cutting Tools		Rapidkut		OSG USA, Inc.				ProCut			
			Bright		Bright		Price		Steam Oxide		Bright		TiN	
Size	Thread Limit	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M6x1.0	D3	2	-	-	EP6520171	Price	-	-	-	-	-	-	-	-
M6x1.0	D5	2	MT3838507	Price	EP6527743	Price	TP121981000	Price	TP121981001	Price	EP5037743	Price	EP5137743TN	Price
M7x1.0	D5	2	MT3838508	Price	EP6527747	Price	TP121982400	Price	TP121982401	Price	EP5037747	Price	-	-
M8x1.0	D3	2	-	-	EP6520235	Price	-	-	-	-	-	-	-	-
M8x1.0	D5	2	MT3838520	Price	EP6527755	Price	-	-	-	-	EP5037755	Price	EP5137755TN	Price
M8x1.0	D5	3	-	-	-	-	TP121982500	Price	TP121982501	Price	-	-	-	-
M8x1.25	D3	2	-	-	EP6520219	Price	-	-	-	-	-	-	-	-
M8x1.25	D5	2	MT3838509	Price	EP6527751	Price	TP121981300	Price	TP121981301	Price	EP5037751	Price	EP5137751TN	Price
M8x1.25	D5	3	-	-	-	-	TP121981400	Price	TP121981401	Price	-	-	-	-
M10x1.0	D5	3	-	-	-	-	TP121982600	Price	TP121982601	Price	-	-	-	-
M10x1.25	D5	3	MT3838521	Price	EP6527763	Price	TP121982700	Price	TP121982701	Price	EP5037763	Price	EP5137763TN	Price
M10x1.5	D3	3	-	-	EP6520251	Price	-	-	-	-	-	-	-	-
M10x1.5	D6	3	MT3838510	Price	EP6527759	Price	TP121981600	Price	TP121981601	Price	EP5037759	Price	EP5137759TN	Price
M12x1.25	D5	3	MT3838522	Price	EP6527771	Price	TP121982800	Price	TP121982801	Price	EP5037771	Price	EP5137771TN	Price
M12x1.5	D6	3	-	-	-	-	TP121982900	Price	-	-	-	-	-	-
M12x1.75	D3	3	-	-	EP6520283	Price	-	-	-	-	-	-	-	-
M12x1.75	D6	3	MT3838511	Price	EP6527767	Price	TP121981900	Price	TP121981901	Price	EP5037767	Price	EP5137767TN	Price
M14x1.25	D5	3	-	-	-	-	TP121983000	Price	TP121983001	Price	-	-	-	-
M14x1.5	D3	3	-	-	EP6520331	Price	-	-	-	-	-	-	-	-
M14x1.5	D6	3	MT3838523	Price	EP6527779	Price	-	-	-	-	EP5037779	Price	EP5137779TN	Price
M14x2.0	D7	3	MT3838512	Price	EP6527775	Price	TP121983100	Price	TP121983101	Price	EP5037775	Price	EP5137775TN	Price
M16x1.5	D6	3	MT3838524	Price	EP6527787	Price	TP121983200	Price	TP121983201	Price	EP5037787	Price	EP5137787TN	Price
M16x2.0	D7	3	MT3838513	Price	EP6527783	Price	TP121983300	Price	-	-	EP5037783	Price	EP5137783TN	Price
M18x1.5	D6	3	-	-	-	-	TP121983400	Price	TP121983401	Price	-	-	-	-
M18x2.5	D7	3	MT3838514	Price	EP6527791	Price	TP121983500	Price	-	-	EP5037791	Price	-	-
M20x1.5	D6	3	-	-	-	-	TP121983600	Price	-	-	-	-	-	-
M20x2.5	D7	3	MT3838515	Price	EP6527798	Price	TP121983700	Price	-	-	EP5037798	Price	EP5137798TN	Price

General Purpose Spiral Fluted Taps



High Speed Steel • Bright Finish

- Recommended for tapping relatively deep blind holes in materials which produce long curling chips
- The higher flute helix angle increases the lifting action in ejecting chips through the open end of the hole and affords increased ability to span slots or other interruptions
- OSG List #107 (inch) List #143 (metric)

			Price							
					Plug		Bottoming		Bottoming	
			Bright		Steam Oxide		Price		Steam Oxide	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
4-40	H2	2	TP151406400	Price	TP151406401	Price	TP151406500	Price	TP151406501	Price
5-40	H2	2	TP151407000	Price	-	-	TP151407100	Price	-	-
6-32	H2	2	TP155001400	Price	-	-	TP155001500	Price	-	-
6-32	H3	2	TP151412400	Price	TP151412401	Price	TP151412500	Price	TP151412501	Price
8-32	H2	3	TP155001800	Price	-	-	TP155001900	Price	-	-
8-32	H3	3	TP151412800	Price	-	-	TP151412900	Price	TP151412901	Price
10-24	H3	3	TP151413200	Price	-	-	TP151413300	Price	TP151413301	Price
10-32	H2	3	TP155002600	Price	-	-	TP155002700	Price	-	-
10-32	H3	3	TP151413400	Price	-	-	TP151413500	Price	TP151413501	Price
12-24	H3	3	-	-	-	-	-	-	TP151413701	Price
1/4-20	H3	3	TP151430000	Price	TP151430001	Price	TP151430100	Price	TP151430101	Price
1/4-20	H5	3	TP155003400	Price	-	-	TP155003500	Price	-	-
1/4-28	H3	3	TP151430200	Price	-	-	TP151430300	Price	-	-
5/16-18	H3	3	TP151430400	Price	TP151430401	Price	TP151430500	Price	TP151430501	Price
5/16-18	H5	3	TP155004600	Price	-	-	TP155004700	Price	-	-
5/16-24	H3	3	TP151430600	Price	-	-	TP151430700	Price	-	-
3/8-16	H3	3	TP151430800	Price	TP151430801	Price	TP151430900	Price	TP151430901	Price
3/8-16	H5	3	TP155005400	Price	-	-	TP155005500	Price	-	-
3/8-24	H3	3	TP151431000	Price	-	-	TP151431100	Price	-	-
7/16-14	H3	3	TP151431200	Price	-	-	TP151431300	Price	-	-
7/16-20	H3	3	TP151431600	Price	-	-	TP151431700	Price	-	-

General Purpose Spiral Fluted Taps (cont.)



Price										
					Plug		Bottoming		Bottoming	
			Bright		Steam Oxide		Price		Steam Oxide	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/2-13	H3	3	**TP151432000**	Price	**TP151432001**	Price	**TP151432100**	Price	**TP151432101**	Price
1/2-13	H5	3	**TP155007000**	Price	**-**	-	**TP155007100**	Price	**-**	-
1/2-20	H3	3	**TP151432400**	Price	**-**	-	**TP151432500**	Price	**-**	-
5/8-11	H3	4	**TP151432800**	Price	**-**	-	**TP151432900**	Price	**-**	-
5/8-18	H3	4	**TP151433200**	Price	**-**	-	**TP151433300**	Price	**-**	-
3/4-10	H3	4	**TP151433600**	Price	**-**	-	**TP151433700**	Price	**-**	-
3/4-16	H3	4	**TP151434000**	Price	**-**	-	**TP151434100**	Price	**-**	-

Price								
					Bottoming		Bottoming	
			Bright		Bright		Price	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
M3x0.5	D3	2	**TP151985100**	Price	**TP151985200**	Price	**TP151985201**	Price
M4x0.7	D4	3	**TP151985400**	Price	**TP151985500**	Price	**TP151985501**	Price
M5x0.8	D4	3	**TP151985700**	Price	**TP151985800**	Price	**TP151985801**	Price
M6x1.0	D5	3	**TP151986000**	Price	**TP151986100**	Price	**TP151986101**	Price
M8x1.25	D5	3	**TP151986300**	Price	**TP151986400**	Price	**TP151986401**	Price
M10x1.5	D6	3	**TP151986600**	Price	**TP151986700**	Price	**TP151986701**	Price
M12x1.75	D6	3	**TP151986900**	Price	**TP151987000**	Price	**-**	-

PRECISION BRAND Hot Melt Coating

- Strippable protective coating protects tools, gauges, and metal parts from nicks, corrosion, and abrasions during storage and shipping
- Packaged in convenient 5 lb. bags
- Easy to use — coating is presliced into manageable pieces
- Poly bag packaging means easy handling and storage
- Set time is less than 60 seconds
- To remove, coating peels right off
- Melting temperature: Type 1= 340-350°F



Color	Order No.	Price
Amber	**MA5243005**	Price
Blue	**MA5243025**	Price
Clear	**MA5243010**	Price

Color	Order No.	Price
Green	**MA5243020**	Price
Red	**MA5243015**	Price

PRODUIT Spiral Fluted Taps

High Speed Steel • Ground Thread

- **Fast Spiral 45°**
- **Slow Spiral 30°**
- Recommended for use in ductile materials such as brass, copper, aluminum, magnesium and die cast materials
- Excellent for tapping blind holes where chips are a problem
- These taps propel chips upward, out and away thus producing finer thread quality
- Spiral flutes will also bridge a keyway or other gap in the hole
- **Sizes 4, 5, & 6 are 2 flute - all other sizes are 3 flute**



Slow Spiral 30 Degrees



Fast Spiral 45 Degrees

			30°		45°	
Size	Thread Length	OAL (in.)	Order No.	Price	Order No.	Price
4-40	9/16	1-7/8	**ER5590440**	Price	**ER5490440**	Price
4-48	9/16	1-7/8	**-**	-	**ER5490448**	Price
5-40	5/8	1-15/16	**ER5590540**	Price	**ER5490540**	Price
5-44	5/8	1-15/16	**-**	-	**ER5490544**	Price
6-32	11/16	2	**ER5590632**	Price	**ER5490632**	Price
6-40	11/16	2	**ER5590640**	Price	**ER5490640**	Price
8-32	3/4	2-1/8	**ER5590832**	Price	**ER5490832**	Price
8-36	3/4	2-1/8	**ER5590836**	Price	**ER5490836**	Price
10-24	7/8	2-3/8	**ER5591024**	Price	**ER5491024**	Price
10-32	7/8	2-3/8	**ER5591032**	Price	**ER5491032**	Price
12-24	15/16	2-1/2	**ER5591224**	Price	**ER5491224**	Price
12-28	15/16	2-1/2	**ER5591228**	Price	**ER5491228**	Price
1/4-20	1	2-1/2	**ER55420**	Price	**ER54420**	Price
1/4-28	1	2-1/2	**ER55428**	Price	**ER54428**	Price
5/16-18	1-1/8	2-23/32	**ER55518**	Price	**ER54518**	Price
5/16-24	1-1/8	2-23/32	**ER55524**	Price	**ER54524**	Price
3/8-16	1-1/4	2-15/16	**ER55616**	Price	**ER54616**	Price
3/8-24	1-1/4	2-15/16	**ER55624**	Price	**ER54624**	Price

			30°		45°	
Size	Thread Length	OAL (in.)	Order No.	Price	Order No.	Price
7/16-14	1-7/16	3-5/32	**ER55714**	Price	**ER54714**	Price
7/16-20	1-7/16	3-5/32	**ER55720**	Price	**ER54720**	Price
1/2-13	1-21/32	3-3/8	**ER55813**	Price	**ER54813**	Price
1/2-20	1-21/32	3-3/8	**ER55820**	Price	**ER54820**	Price
9/16-12	1-21/32	3-9/16	**-**	-	**ER54912**	Price
9/16-18	1-21/32	3-9/16	**-**	-	**ER54918**	Price
5/8-11	1-13/16	3-13/16	**ER551011**	Price	**ER541011**	Price
5/8-18	1-13/16	3-13/16	**ER551018**	Price	**ER541018**	Price
3/4-10	2-1/16	4-3/16	**ER551210**	Price	**ER541210**	Price
3/4-16	2-1/16	4-3/16	**ER551216**	Price	**-**	-

RAPIDKUT® Combined Drills & Taps

High Speed Steel

- Drills and taps in one operation
- Can be used on multi-spindle operations
- 118° Self centering helical point eliminates the need for center punch or center drilling



Size Type - Fractional (in.)						
Size	Thread Length (in.)	Drill Dimensions	Flute Length (in.)	OAL (in.)	Order No.	Price
4-40	3/8	.0890	1/4	1-7/8	**ER5990440**	Price
5-40	13/32	.1015	9/32	1-15/16	**ER5990540**	Price
5-44	13/32	.1040	9/32	1-15/16	**ER5990544**	Price
6-32	7/16	.1095	5/16	2	**ER5990632**	Price
6-40	7/16	.1150	5/16	2	**ER5990640**	Price
8-32	1/2	.1360	3/8	2-1/8	**ER5990832**	Price
10-24	5/8	.1520	13/32	2-3/8	**ER5991024**	Price
10-32	5/8	.1610	13/32	2-3/8	**ER5991032**	Price
12-24	21/32	.1770	15/32	2-3/8	**ER5991224**	Price
12-28	21/32	.1835	15/32	2-3/8	**ER5991228**	Price
1/4-20	25/32	.2010	17/32	2-1/2	**ER59420**	Price
1/4-28	25/32	.2175	17/32	2-1/2	**ER59428**	Price
5/16-18	15/16	.2570	11/16	2-27/32	**ER59518**	Price
5/16-24	15/16	.2720	11/16	2-27/32	**ER59524**	Price
3/8-16	1-1/16	.3125	13/16	3-3/8	**ER59616**	Price
3/8-24	1-1/16	.3345	13/16	3-3/8	**ER59624**	Price
7/16-14	1-1/4	.3680	1	3-3/4	**ER59714**	Price
7/16-20	1-1/4	.3890	1	3-3/4	**ER59720**	Price

Size Type - Fractional (in.)						
Size	Thread Length (in.)	Drill Dimensions	Flute Length (in.)	OAL (in.)	Order No.	Price
1/2-13	1-3/8	.4250	1-1/8	4-1/16	**ER59813**	Price
1/2-20	1-3/8	.4510	1-1/8	4-1/16	**ER59820**	Price

Size Type - Metric						
Size	Thread Length (in.)	Drill Dimensions	Flute Length (in.)	OAL (in.)	Order No.	Price
M3 x 0.5	5/8	.1015	9/32	1-15/16	**ER5961894**	Price
M3.5 x 0.6	11/16	.1180	5/16	2	**ER5961895**	Price
M4 x 0.7	3/4	.1340	3/8	2-1/8	**ER5961896**	Price
M4.5 x 0.75	13/32	.1520	13/32	2-3/8	**ER5961897**	Price
M5 x 0.8	7/8	.1700	13/32	2-3/8	**ER5961898**	Price
M6 x 1.0	1	.2030	17/32	2-1/2	**ER5961899**	Price
M7 x 1.0	15/16	.2420	11/16	2-27/32	**ER5961900**	Price
M8 x 1.25	1-1/8	.2735	11/16	2-27/32	**ER5961901**	Price
M10 x 1.5	1-1/4	.3440	13/16	2-15/16	**ER5961902**	Price
M12 x 1.75	1-21/32	.4140	1-1/8	3-3/8	**ER5961903**	Price

PRIDUCT Special Thread Taps

High Speed Steel
Plug Style Furnished

• Bottoming (B) and Taper (T) style taps available in most sizes - add suffix to end of order number. IE. ER6001624B = 1/4-24 Bottoming



Size	Order No.	Price
1-56	**ER6000156**	Price
1-80	**ER6000180**	Price
2-48	**ER6000248**	Price
4-32	**ER6000432‡**	Price
4-56	**ER6000456**	Price
4-60	**ER6000460**	Price
4-64	**ER6000464**	Price
5-32	**ER6000532**	Price
5-36	**ER6000536**	Price
5-48	**ER6000548‡**	Price
5-60	**ER6000560**	Price
6-36	**ER6000636‡**	Price
6-48	**ER6000648‡**	Price
6-56	**ER6000656‡**	Price
6-60	**ER6000660‡**	Price
8-24	**ER6000824**	Price
8-30	**ER6000830‡**	Price
8-40	**ER6000840‡**	Price
8-48	**ER6000848‡**	Price
8-60	**ER6000860**	Price
8-64	**ER6000864**	Price
10-28	**ER6001028‡**	Price
10-30	**ER6001030‡**	Price
10-36	**ER6001036**	Price
10-40	**ER6001040**	Price
10-44	**ER6001044**	Price
10-48	**ER6001048**	Price
10-56	**ER6001056**	Price
10-60	**ER6001060‡**	Price
12-30	**ER6001230‡**	Price
12-32	**ER6001232‡**	Price
12-36	**ER6001236**	Price
12-40	**ER6001240**	Price
12-48	**ER6001248‡**	Price
14-28	**ER6001428**	Price
3/16-32	**ER6000932‡**	Price
1/4-14	**ER6001614**	Price
1/4-16	**ER6001616‡**	Price
1/4-18	**ER6001618**	Price
1/4-24	**ER6001624‡**	Price
1/4-32	**ER6001632‡**	Price
1/4-36	**ER6001636‡**	Price
1/4-38	**ER6001638**	Price
1/4-40	**ER6001640‡**	Price

Size	Order No.	Price
1/4-48	**ER6001648‡**	Price
1/4-50	**ER6001650**	Price
1/4-60	**ER6001660**	Price
1/4-64	**ER6001664**	Price
1/4-72	**ER6001672‡**	Price
5/16-20	**ER6002020‡**	Price
5/16-22	**ER6002022‡**	Price
5/16-27	**ER6002027‡**	Price
5/16-28	**ER6002028**	Price
5/16-32	**ER6002032‡**	Price
5/16-36	**ER6002036‡**	Price
5/16-40	**ER6002040‡**	Price
5/16-48	**ER6002048‡**	Price
5/16-64	**ER6002064‡**	Price
3/8-14	**ER6002414‡**	Price
3/8-18	**ER6002418‡**	Price
3/8-20	**ER6002420‡**	Price
3/8-26	**ER6002426**	Price
3/8-27	**ER6002427‡**	Price
3/8-32	**ER6002432‡**	Price
3/8-40	**ER6002440**	Price
3/8-48	**ER6002448**	Price
3/8-56	**ER6002456**	Price
3/8-60	**ER6002460**	Price
3/8-64	**ER6002464**	Price
7/16-24	**ER6002824‡**	Price
7/16-28	**ER6002828‡**	Price
7/16-32	**ER6002832**	Price
7/16-40	**ER6002840**	Price
7/16-48	**ER6002848**	Price
1/2-12	**ER6003212‡**	Price
1/2-14	**ER6003214‡**	Price
1/2-16	**ER6003216‡**	Price
1/2-18	**ER6003218**	Price
1/2-24	**ER6003224‡**	Price
1/2-27	**ER6003227**	Price
1/2-28	**ER6003228‡**	Price
1/2-32	**ER6003232‡**	Price
1/2-40	**ER6003240**	Price
1/2-48	**ER6003248**	Price
1/2-60	**ER6003260**	Price
9/16-16	**ER6003616‡**	Price
9/16-20	**ER6003620‡**	Price
9/16-24	**ER6003624‡**	Price
9/16-27	**ER6003627**	Price
9/16-28	**ER6003628**	Price
9/16-30	**ER6003630**	Price
9/16-32	**ER6003632‡**	Price
9/16-40	**ER6003640‡**	Price
5/8-12	**ER6004012‡**	Price
5/8-14	**ER6004014‡**	Price
5/8-16	**ER6004016‡**	Price
5/8-20	**ER6004020**	Price
5/8-24	**ER6004024‡**	Price
5/8-27	**ER6004027**	Price
5/8-28	**ER6004028**	Price
5/8-32	**ER6004032‡**	Price
11/16-12	**ER6004412**	Price
11/16-18	**ER6004418**	Price
11/16-20	**ER6004420‡**	Price

Size	Order No.	Price
11/16-24	**ER6004424‡**	Price
11/16-32	**ER6004432**	Price
11/16-36	**ER6004436‡**	Price
3/4-12	**ER6004812**	Price
3/4-14	**ER6004814**	Price
3/4-18	**ER6004818‡**	Price
3/4-20	**ER6004820‡**	Price
3/4-24	**ER6004824**	Price
3/4-28	**ER6004828**	Price
3/4-32	**ER6004832**	Price
13/16-16	**ER6005216‡**	Price
13/16-20	**ER6005220‡**	Price
7/8-12	**ER6005612‡**	Price
7/8-16	**ER6005616**	Price
7/8-18	**ER6005618‡**	Price
7/8-20	**ER6005620‡**	Price
7/8-24	**ER6005624**	Price
7/8-28	**ER6005628**	Price
7/8-32	**ER6005632**	Price
7/8-36	**ER6005636‡**	Price
7/8-40	**ER6005640‡**	Price
15/16-12	**ER6006012**	Price
15/16-16	**ER6006016‡**	Price
15/16-20	**ER6006020‡**	Price
1-10	**ER6010010**	Price
1-16	**ER6010016‡**	Price
1-18	**ER6010018**	Price
1-20	**ER6010020‡**	Price
1-24	**ER6010024**	Price
1-32	**ER6010032‡**	Price
1-1/16-12	**ER6010412†‡**	Price
1-1/16-14	**ER6010414**	Price
1-1/16-16	**ER6010416**	Price
1-1/16-18	**ER6010418**	Price
1-1/16-20	**ER6010420**	Price
1-1/16-24	**ER6010424**	Price
1-1/8-8	**ER6010808†‡**	Price
1-1/8-10	**ER6010810†**	Price
1-1/8-16	**ER6010816**	Price
1-1/8-18	**ER6010818‡**	Price
1-1/8-20	**ER6010820‡**	Price
1-1/8-24	**ER6010824**	Price
1-1/8-27	**ER6010827‡**	Price
1-1/8-32	**ER6010832**	Price
1-3/16-12	**ER6011212†‡**	Price
1-3/16-14	**ER6011214**	Price
1-3/16-16	**ER6011216**	Price
1-3/16-18	**ER6011218‡**	Price
1-1/4-8	**ER6011608†‡**	Price
1-1/4-14	**ER6011614**	Price
1-1/4-16	**ER6011616‡**	Price
1-1/4-18	**ER6011618‡**	Price
1-1/4-20	**ER6011620**	Price
1-1/4-24	**ER6011624‡**	Price
1-1/4-28	**ER6011628**	Price
1-1/4-36	**ER6011636**	Price
1-5/16-12	**ER6012012†‡**	Price
1-5/16-16	**ER6012016‡**	Price
1-5/16-18	**ER6012018**	Price
1-5/16-20	**ER6012020**	Price

Size	Order No.	Price
1-3/8-8	**ER6012408†‡**	Price
1-3/8-16	**ER6012416**	Price
1-3/8-18	**ER6012418‡**	Price
1-3/8-20	**ER6012420**	Price
1-7/16-12	**ER6012812**	Price
1-7/16-16	**ER6012816**	Price
1-7/16-18	**ER6012818**	Price
1-1/2-8	**ER6013208†‡**	Price
1-1/2-10	**ER6013210†‡**	Price
1-1/2-14	**ER6013214**	Price
1-1/2-16	**ER6013216‡**	Price
1-1/2-18	**ER6013218‡**	Price
1-9/16-16	**ER6013616**	Price
1-9/16-18	**ER6013618**	Price
1-5/8-5-1/2	**ER6014005†‡**	Price
1-5/8-8	**ER6014008†‡**	Price
1-5/8-12	**ER6014012‡**	Price
1-5/8-16	**ER6014016**	Price
1-5/8-18	**ER6014018**	Price
1-5/8-20	**ER6014020**	Price
1-3/4-5	**ER6014805†‡**	Price
1-3/4-8	**ER6014808†‡**	Price
1-3/4-10	**ER6014810‡**	Price
1-3/4-12	**ER6014812‡**	Price
1-3/4-16	**ER6014816**	Price
1-3/4-18	**ER6014818**	Price
1-3/4-20	**ER6014820**	Price
1-7/8-5	**ER6015605†‡**	Price
1-7/8-8	**ER6015608†‡**	Price
1-7/8-10	**ER6015610‡**	Price
1-7/8-12	**ER6015612‡**	Price
1-7/8-16	**ER6015616**	Price
1-7/8-20	**ER6015620**	Price
2-8	**ER6020008†‡**	Price
2-10	**ER6020010**	Price
2-12	**ER6020012‡**	Price
2-16	**ER6020016**	Price
2-1/8-8	**ER6020808†**	Price
2-1/8-12	**ER6020812‡**	Price
2-1/8-16	**ER6020816**	Price
2-1/4-4-1/2	**ER6021604**	Price
2-1/4-8	**ER6021608†‡**	Price
2-1/4-12	**ER6021612‡**	Price
2-1/4-16	**ER6021616**	Price
2-3/8-8	**ER6022408†‡**	Price
2-3/8-12	**ER6022412**	Price
2-1/2-4	**ER6023204**	Price
2-1/2-12	**ER6023212‡**	Price
2-1/2-8	**ER6023208†**	Price
2-1/2-16	**ER6023216**	Price
2-1/2-20	**ER6023220**	Price
2-3/4-8	**ER6024808†‡**	Price
2-3/4-12	**ER6024812**	Price
3-4	**ER6030004†**	Price
3-8	**ER6030008†‡**	Price
3-12	**ER6030012**	Price
3-1/4-12	**ER6031612**	Price
3-1/2-12	**ER6033212**	Price

† Items are long series taps
‡ Bottoming and / or taper also available

PROCUT Left Hand Taps

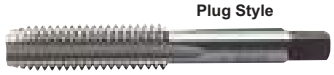
High Speed Steel • Ground Thread

Plug style & spiral point plug style

Spiral Point Style



Plug Style



Size	Thread Length (in.)	OAL (in.)	Plug Order No.	Plug Price	Spiral Point Plug Order No.	Spiral Point Plug Price
3-48	1/2	1-7/8	**ER5290348**	Price	**ER5390348**	Price
3-56	1/2	1-7/8	**-**	-	**ER5390356**	Price
4-40	9/16	1-7/8	**ER5290440**	Price	**ER5390440**	Price
4-48	9/16	1-7/8	**ER5290448**	Price	**ER5390448**	Price
5-40	5/8	1-15/16	**ER5290540**	Price	**-**	-
5-44	5/8	1-15/16	**ER5290544**	Price	**ER5390544**	Price
6-32	11/16	2	**ER5290632**	Price	**ER5390632**	Price
6-40	11/16	2	**ER5290640**	Price	**ER5390640**	Price
8-32	3/4	2-1/8	**ER5290832**	Price	**ER5390832**	Price
8-36	3/4	2-1/8	**ER5290836**	Price	**ER5390836**	Price
10-24	7/8	2-3/8	**ER5291024**	Price	**ER5391024**	Price
10-32	7/8	2-3/8	**ER5291032**	Price	**ER5391032**	Price
1/4-20	1	2-1/2	**ER52420**	Price	**ER53420**	Price
1/4-28	1	2-1/2	**ER52428**	Price	**ER53428**	Price
5/16-18	1-1/8	2-23/32	**ER52518**	Price	**ER53518**	Price
5/16-24	1-1/8	2-23/32	**ER52524**	Price	**ER53524**	Price
3/8-16	1-1/4	2-15/16	**ER52616**	Price	**ER53616**	Price
3/8-24	1-1/4	2-15/16	**ER52624**	Price	**ER53624**	Price
7/16-14	1-7/16	3-5/32	**ER52714**	Price	**ER53714**	Price
7/16-20	1-7/16	3-5/32	**ER52720**	Price	**ER53720**	Price
1/2-13	1-21/32	3-3/8	**ER52813**	Price	**ER53813**	Price
1/2-20	1-21/32	3-3/8	**ER52820**	Price	**ER53820**	Price
9/16-18	1-21/32	3-19/32	**ER52918**	Price	**-**	-
5/8-11	1-13/16	3-13/16	**ER521011**	Price	**ER531011**	Price
5/8-18	1-13/16	3-13/16	**ER521018**	Price	**ER531018**	Price
11/16-11	1-7/8	4-1/8	**ER521111**	Price	**ER531111**	Price
3/4-10	2	4-1/4	**ER521210**	Price	**ER531210**	Price
3/4-16	2	4-1/4	**ER521216**	Price	**ER531216**	Price
7/8-9	2-7/32	4-11/16	**ER521409**	Price	**-**	-
7/8-14	2-7/32	4-11/16	**ER521414**	Price	**-**	-
1-8	2-1/2	5-1/8	**ER521608**	Price	**-**	-
1-12	2-1/2	5-1/8	**ER521612**	Price	**-**	-
1-14	2-1/2	5-1/8	**ER521614**	Price	**-**	-
1-1/8-12	2-9/16	5-7/16	**ER521812**	Price	**-**	-
1-1/8-7	2-9/16	5-7/16	**ER521807**	Price	**-**	-
1-1/4-12	2-9/16	5-3/4	**ER522012**	Price	**-**	-
1-1/4-7	2-9/16	5-3/4	**ER522007**	Price	**-**	-
1-3/8-12	3	6-1/16	**ER522212**	Price	**-**	-
1-3/8-6	3	6-1/16	**ER522206**	Price	**-**	-
1-1/2-12	3	6-3/8	**ER522412**	Price	**-**	-
1-1/2-6	3	6-3/8	**ER522406**	Price	**-**	-

Note: Many sizes also available in Bottoming and Taper Styles

+.005 Oversize Taps - Plug Style

High Speed Steel Ground Thread

- These taps have a pitch diameter which is .005" larger than basic pitch diameter
- Morse List #2014



Size	HSS M GP Price Order No.	HSS M GP Price	PROCUT ProCut Order No.	PROCUT ProCut Price
5-40	**-**	-	**ER5090540**	Price
6-32	**MT3934222**	Price	**ER5090632**	Price
6-40	**-**	-	**ER5090640**	Price
8-32	**MT3934223**	Price	**ER5090832**	Price
8-36	**-**	-	**ER5090836**	Price
10-24	**MT3934225**	Price	**ER5091024**	Price
10-32	**MT3934226**	Price	**ER5091032**	Price
1/4-20	**MT3934301**	Price	**ER50420**	Price
1/4-28	**-**	-	**ER50428**	Price
5/16-18	**MT3934303**	Price	**ER50518**	Price
5/16-24	**-**	-	**ER50524**	Price
3/8-16	**MT3934305**	Price	**ER50616**	Price
3/8-24	**-**	-	**ER50624**	Price
7/16-14	**-**	-	**ER50714**	Price
7/16-20	**-**	-	**ER50720**	Price
1/2-13	**MT3934309**	Price	**ER50813**	Price
1/2-20	**-**	-	**ER50820**	Price
9/16-12	**-**	-	**ER50912**	Price
9/16-18	**-**	-	**ER50918**	Price
5/8-11	**MT3934313**	Price	**ER501011**	Price
5/8-18	**-**	-	**ER501018**	Price
3/4-10	**-**	-	**ER501210**	Price
3/4-16	**-**	-	**ER501216**	Price
7/8-9	**-**	-	**ER501409**	Price
7/8-14	**-**	-	**ER501414**	Price
1-8	**-**	-	**ER501608**	Price
1-14	**-**	-	**ER501614**	Price

+.005 Oversize Taps - Spiral Point Plug Style

High Speed Steel Ground Thread

- These taps have a pitch diameter which is .005" larger than basic pitch diameter
- Morse List #2015



Size	HSS M GP Price Order No.	HSS M GP Price	PROCUT ProCut Order No.	PROCUT ProCut Price
5-40	**-**	-	**ER5190540**	Price
6-32	**MT3934241**	Price	**ER5190632**	Price
6-40	**-**	-	**ER5190640**	Price
8-32	**MT3934243**	Price	**ER5190832**	Price
8-36	**-**	-	**ER5190836**	Price
10-24	**MT3934244**	Price	**ER5191024**	Price
10-32	**MT3934245**	Price	**ER5191032**	Price
1/4-20	**MT3934251**	Price	**ER51420**	Price
1/4-28	**-**	-	**ER51428**	Price
5/16-18	**MT3934253**	Price	**ER51518**	Price
5/16-24	**-**	-	**ER51524**	Price
3/8-16	**MT3934255**	Price	**ER51616**	Price
3/8-24	**-**	-	**ER51624**	Price
7/16-14	**-**	-	**ER51714**	Price
7/16-20	**-**	-	**ER51720**	Price
1/2-13	**MT3934259**	Price	**ER51813**	Price
1/2-20	**-**	-	**ER51820**	Price
9/16-12	**-**	-	**ER51912**	Price
5/8-11	**MT3934263**	Price	**ER511011**	Price
3/4-10	**-**	-	**ER511210**	Price
3/4-16	**-**	-	**ER511216**	Price
7/8-9	**-**	-	**ER511409**	Price
7/8-14	**-**	-	**ER511414**	Price
1-8	**-**	-	**ER511608**	Price
1-12	**-**	-	**ER511612**	Price
1-14	**-**	-	**ER511614**	Price

Left Hand Plug Taps

High Speed Steel • Bright Finish

- Ground thread
- OSG List #101L



Size	Thread Limits	No. of Flutes	Order No.	Price
8-32	H3	4	**TP161650500**	Price
10-24	H3	4	**TP161650900**	Price
10-32	H3	4	**TP161651100**	Price
1/4-20	H3	4	**TP161660100**	Price
1/4-28	H3	4	**TP161660300**	Price
5/16-18	H3	4	**TP161660500**	Price
5/16-24	H3	4	**TP161660700**	Price
3/8-16	H3	4	**TP161660900**	Price
3/8-24	H3	4	**TP161661100**	Price
7/16-14	H3	4	**TP161661300**	Price
7/16-20	H3	4	**TP161661500**	Price
1/2-13	H3	4	**TP161661700**	Price
1/2-20	H3	4	**TP161661900**	Price
5/8-11	H3	4	**TP161662500**	Price
5/8-18	H3	4	**TP161662700**	Price
3/4-10	H3	4	**TP161663300**	Price
3/4-16	H3	4	**TP161663500**	Price

Note: OSG steam oxide available

Taps for Cast Iron - Right Hand

High Speed Steel • Steam Oxide Coated

- Designed with proper hook angle
- Available only steam oxide over nitride finish
- OSG List #101C



			Bottoming		Plug	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price
1/4-20	H3	4	**TP181600207**	Price	**TP181600107**	Price
1/4-20	H5	4	**TP181600407**	Price	**TP181600307**	Price
1/4-28	H3	4	**-**	-	**TP181600507**	Price
5/16-18	H3	4	**TP181600807**	Price	**-**	-
5/16-18	H5	4	**TP181601007**	Price	**-**	-
3/8-16	H3	4	**TP181601407**	Price	**TP181601307**	Price
3/8-16	H5	4	**TP181601607**	Price	**-**	-
3/8-24	H3	4	**TP181601807**	Price	**-**	-
7/16-14	H5	4	**TP181602207**	Price	**TP181602107**	Price
1/2-13	H3	4	**TP181602807**	Price	**-**	-
1/2-13	H5	4	**TP181603007**	Price	**TP181602907**	Price
1/2-20	H3	4	**TP181603207**	Price	**-**	-
1/2-20	H5	4	**TP181603407**	Price	**-**	-
9/16-18	H3	4	**TP181603807**	Price	**-**	-
9/16-18	H5	4	**TP181600007**	Price	**-**	-
5/8-11	H3	4	**TP181604007**	Price	**-**	-
5/8-11	H5	4	**TP181604807**	Price	**-**	-
5/8-18	H5	4	**TP181605207**	Price	**-**	-
3/4-10	H3	4	**TP181604407**	Price	**TP181604307**	Price
3/4-16	H5	4	**TP181605007**	Price	**-**	-
M6x1.0	D5	3	**TP181608207**	Price	**TP181608107**	Price
M8x1.25	D5	4	**TP181608407**	Price	**TP181608307**	Price
M10x1.5	D6	4	**TP181608607**	Price	**-**	-
M12x1.75	D6	4	**TP181608807**	Price	**TP181608707**	Price

+.005 Taps - Spiral Point Plug Style

List #105H

High Speed Steel Ground Thread

- Bright & Steam Oxide Finish



		Bright		Steam Oxide	
Size	No. of Flutes	Order No.	Price	Order No.	Price
6-32	2	**TP141592000**	Price	**-**	-
8-32	2	**TP141592800**	Price	**TP141592801**	Price
10-24	2	**TP141593400**	Price	**TP141593401**	Price
10-32	2	**TP141593600**	Price	**TP141593601**	Price
1/4-20	2	**TP141590000**	Price	**TP141590001**	Price
1/4-28	2	**TP141590200**	Price	**TP141590201**	Price
5/16-18	2	**TP141590800**	Price	**TP141590801**	Price
5/16-24	2	**TP141591200**	Price	**-**	-
3/8-16	3	**TP141591600**	Price	**TP141591601**	Price
3/8-24	3	**TP141591800**	Price	**-**	-
1/2-13	3	**TP141592400**	Price	**TP141592401**	Price
1/2-20	3	**TP141592600**	Price	**-**	-
5/8-11	3	**TP141593200**	Price	**TP141593201**	Price
3/4-10	3	**TP141593800**	Price	**-**	-

+.005 Oversize Taps - Plug & Bottoming Style List #101H/102H

High Speed Steel Ground Thread



		Bottoming		Plug	
Size	No. of Flutes	Order No.	Price	Order No.	Price
6-32	3	**-**	-	**TP141593500**	Price
8-32	4	**-**	-	**TP141594300**	Price
10-24	4	**-**	-	**TP141594900**	Price
10-32	4	**-**	-	**TP141595100**	Price
1/4-20	4	**TP141009100**	Price	**TP141590100**	Price
1/4-28	4	**-**	-	**TP141590300**	Price
5/16-18	4	**TP141009200**	Price	**TP141590700**	Price
5/16-24	4	**-**	-	**TP141591100**	Price
3/8-16	4	**TP141009300**	Price	**TP141591300**	Price
3/8-24	4	**-**	-	**TP141591500**	Price
1/2-13	4	**TP141009400**	Price	**TP141592500**	Price
1/2-20	4	**-**	-	**TP141592700**	Price
5/8-11	4	**-**	-	**TP141593700**	Price

Oversized Plug Style Hand Taps

High Speed Steel

H6 Tolerance +.0025
H7 Tolerance +.0030



		H6		H7	
Size	No. of Flutes	Order No.	Price	Order No.	Price
4-40	3	**EP4021362**	Price	**EP4021372**	Price
5-40	3	**EP4021562**	Price	**EP4021572**	Price
6-32	3	**EP4021762**	Price	**EP4021772**	Price
8-32	3	**EP4021962**	Price	**EP4021972**	Price
10-24	3	**EP4022162**	Price	**EP4022172**	Price
10-32	3	**EP4022262**	Price	**EP4022272**	Price

Oversized Spiral Point Plug Taps

High Speed Steel

H6 Tolerance +.0025
H7 Tolerance +.0030



		H6		H7	
Size	No. of Flutes	Order No.	Price	Order No.	Price
4-40	2	**EP4022362**	Price	**EP4022372**	Price
5-40	2	**EP4022562**	Price	**EP4022572**	Price
6-32	2	**EP4022762**	Price	**EP4022772**	Price
8-32	2	**EP4022962**	Price	**EP4022972**	Price
10-24	2	**EP4023162**	Price	**EP4023172**	Price
10-32	2	**EP4023262**	Price	**EP4023272**	Price

+.005 Oversized Plug Style Hand Taps

High Speed Steel

H11 Tolerance +.005



Size	No. of Flutes	Order No.	Price
4-40	3	**EP4021382**	Price
5-40	3	**EP4021582**	Price
6-32	3	**EP4021782**	Price
8-32	3	**EP4021982**	Price
10-24	3	**EP4022182**	Price
10-32	3	**EP4022282**	Price
1/4-20	4	**EP4040573**	Price
1/4-28	4	**EP4040773**	Price
5/16-18	4	**EP4040973**	Price
5/16-24	4	**EP4041173**	Price
3/8-16	4	**EP4041373**	Price
3/8-24	4	**EP4041573**	Price
7/16-14	4	**EP4041773**	Price
7/16-20	4	**EP4041973**	Price
1/2-13	4	**EP4042173**	Price
1/2-20	4	**EP4042373**	Price
5/8-11	4	**EP4042401**	Price
5/8-18	4	**EP4042411**	Price
3/4-10	4	**EP4042421**	Price
3/4-16	4	**EP4042431**	Price
7/8-9	4	**EP4042441**	Price
7/8-14	4	**EP4042451**	Price
1-8	4	**EP4042461**	Price

+.005 Oversized Spiral Point Plug Taps

High Speed Steel

H11 Tolerance +.005



Size	No. of Flutes	Order No.	Price
4-40	2	**EP4022382**	Price
5-40	2	**EP4022582**	Price
6-32	2	**EP4022782**	Price
8-32	2	**EP4022982**	Price
10-24	2	**EP4023182**	Price
10-32	2	**EP4023282**	Price
1/4-20	2	**EP4040474**	Price
1/4-28	2	**EP4040674**	Price
5/16-18	3	**EP4040874**	Price
5/16-24	3	**EP4041074**	Price
3/8-16	3	**EP4041274**	Price
3/8-24	3	**EP4041474**	Price
7/16-14	3	**EP4041674**	Price
7/16-20	3	**EP4041874**	Price
1/2-13	3	**EP4042074**	Price
1/2-20	3	**EP4042274**	Price
5/8-11	3	**EP4042403**	Price
5/8-18	3	**EP4042413**	Price
3/4-10	3	**EP4042423**	Price
3/4-16	3	**EP4042433**	Price

Metric +.005 Oversized Plug Style Hand Taps

H11 Tolerance +.005



Size	No. of Flutes	Order No.	Price
M3x0.50	3	**EP4065002**	Price
M4x0.70	4	**EP4065022**	Price
M5x0.80	4	**EP4065032**	Price
M6x1.0	4	**EP4065042**	Price
M8x1.25	4	**EP4065052**	Price
M10x1.5	4	**EP4065062**	Price
M12x1.75	4	**EP4065072**	Price

Metric +.005 Oversized Spiral Point Plug Taps

H11 Tolerance +.005



Size	No. of Flutes	Order No.	Price
M3x0.50	2	**EP4065102**	Price
M4x0.70	2	**EP4065122**	Price
M5x0.80	2	**EP4065132**	Price
M6x1.0	2	**EP4065142**	Price
M8x1.25	2	**EP4065152**	Price
M10x1.5	3	**EP4065162**	Price
M12x1.75	3	**EP4065172**	Price

STI Screw Thread Insert Taps

High Speed Steel • Straight Flute



			Bottoming		Fast Spiral Bottoming		Plug	
Size	Thread Limit	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
2-56	H2	2	**-**	-	**EP4070023**	Price	**-**	-
2-56	H2	3	**EP4052023**	Price	**-**	-	**EP4052022**	Price
4-40	H2	3	**EP4054023**	Price	**EP4070123**	Price	**EP4054022**	Price
6-32	H2	3	**EP4054223**	Price	**-**	-	**EP4054222**	Price
6-32	H3	3	**EP4054233**	Price	**EP4070333**	Price	**EP4054232**	Price
8-32	H2	3	**EP4054423**	Price	**-**	-	**EP4054422**	Price
8-32	H3	2	**-**	-	**EP4070533**	Price	**-**	-
8-32	H3	3	**EP4054433**	Price	**-**	-	**EP4054432**	Price
10-24	H2	3	**EP4054523**	Price	**-**	-	**EP4054522**	Price
10-24	H3	3	**EP4054533**	Price	**EP4070633**	Price	**EP4054532**	Price

(continued next page)

STI Screw Thread Insert Taps (cont.)



			Bottoming		Fast Spiral Bottoming		Plug	
Size	Thread Limit	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
10-32	H2	3	**EP4054623**	Price	-	-	**EP4054622**	Price
10-32	H3	3	**EP4054633**	Price	**EP4070733**	Price	**EP4054632**	Price
1/4-20	H2	3	**EP4054823**	Price	-	-	**EP4054822**	Price
1/4-20	H3	3	**EP4054833**	Price	**EP4070833**	Price	**EP4054832**	Price
1/4-28	H2	3	**EP4054923**	Price	-	-	**EP4054922**	Price
1/4-28	H3	3	**EP4054933**	Price	**EP4070933**	Price	**EP4054932**	Price
5/16-18	H3	3	-	-	**EP4071033**	Price	-	-
5/16-18	H3	4	**EP4055033**	Price	-	-	**EP4055032**	Price
3/8-16	H3	4	**EP4055233**	Price	**EP4071233**	Price	**EP4055232**	Price
7/16-14	H3	4	**EP4055433**	Price	-	-	**EP4055432**	Price
1/2-13	H3	4	**EP4055633**	Price	**EP4071633**	Price	**EP4055632**	Price
5/8-11	H3	4	**EP4055753**	Price	-	-	**EP4055752**	Price
3/4-10	H3	4	**EP4055773**	Price	-	-	**EP4055772**	Price

Metric STI Screw Thread Insert Taps





			Bottoming		Fast Spiral Bottoming		Plug	
Size	Thread Limit	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
M2.5x0.45	D1	2	-	-	**EP4072119**	Price	-	-
M2.5x0.45	D1	3	**EP4072113**	Price	-	-	**EP4072112**	Price
M3x0.50	D1	3	**EP4072213**	Price	**EP4072219**	Price	**EP4072212**	Price
M4x0.70	D1	3	**EP4072413**	Price	**EP4072419**	Price	**EP4072412**	Price
M4x0.70	D2	3	-	-	-	-	**EP4072422**	Price
M5x0.80	D1	3	**EP4072513**	Price	**EP4072519**	Price	**EP4072512**	Price
M5x0.80	D2	3	-	-	-	-	**EP4072522**	Price
M6x1.0	D2	3	-	-	**EP4072629**	Price	**EP4072622**	Price
M6x1.0	D3	3	-	-	-	-	**EP4072632**	Price
M8x1.25	D2	3	-	-	**EP4072829**	Price	-	-
M8x1.25	D2	4	-	-	-	-	**EP4072822**	Price
M8x1.25	D3	4	-	-	-	-	**EP4072832**	Price
M10x1.5	D3	4	-	-	**EP4073139**	Price	**EP4073132**	Price
M10x1.5	D4	4	-	-	-	-	**EP4073142**	Price
M12x1.75	D3	4	-	-	**EP4073439**	Price	**EP4073432**	Price
M12x1.75	D5	4	-	-	-	-	**EP4073452**	Price

STI Screw Thread Insert Spiral Point Taps



			H2		H3	
Size	No. of Flutes	Thread Limit	Order No.	Price	Order No.	Price
2-56	2	H2	**EP4053022**	Price	-	-
4-40	2	H2	**EP4056022**	Price	-	-
6-32	2	H2	**EP4056222**	Price	-	-
6-32	2	H3	-	-	**EP4056232**	Price
8-32	2	H2	**EP4056422**	Price	-	-
8-32	2	H3	-	-	**EP4056432**	Price
10-24	2	H2	**EP4056522**	Price	-	-
10-24	2	H3	-	-	**EP4056532**	Price
10-32	2	H2	**EP4056622**	Price	-	-
10-32	2	H3	-	-	**EP4056632**	Price

			H2		H3	
Size	No. of Flutes	Thread Limit	Order No.	Price	Order No.	Price
1/4-20	2	H2	**EP4056822**	Price	-	-
1/4-20	2	H3	-	-	**EP4056832**	Price
1/4-28	2	H2	**EP4056922**	Price	-	-
1/4-28	2	H3	-	-	**EP4056932**	Price
5/16-18	3	H3	-	-	**EP4057032**	Price
3/8-16	3	H3	-	-	**EP4057232**	Price
7/16-14	3	H3	-	-	**EP4057432**	Price
1/2-13	3	H3	-	-	**EP4057632**	Price

STI Screw Thread Insert Taps

High Speed Steel • Straight Flute Plug Style



Size	Thread Limit	No. of Flutes	Order No.	Price
4-40	H2	3	**ER560041**	Price
4-48	H2	3	**ER560042**	Price
5-40	H2	3	**ER560051**	Price
5-44	H2	3	**ER560052**	Price
6-32	H2	3	**ER560061**	Price
6-40	H2	3	**ER560062**	Price
8-32	H3	3	**ER560081**	Price
8-36	H3	3	**ER560082**	Price
10-24	H3	3	**ER560101**	Price
10-32	H3	3	**ER560102**	Price
12-24	H2	3	**ER560121**	Price
12-28	H3	3	**ER560122**	Price
1/4-20	H3	3	**ER560251**	Price
1/4-28	H3	3	**ER560252**	Price
5/16-18	H3	4	**ER560311**	Price
5/16-24	H3	4	**ER560312**	Price
3/8-16	H3	4	**ER560371**	Price

Size	Thread Limit	No. of Flutes	Order No.	Price
3/8-24	H3	4	**ER560372**	Price
7/16-14	H3	4	**ER560431**	Price
7/16-20	H3	4	**ER560432**	Price
1/2-13	H3	4	**ER560501**	Price
1/2-20	H3	4	**ER560502**	Price
9/16-12	H3	4	**ER560561**	Price
9/16-18	H3	4	**ER560562**	Price
5/8-11	H3	4	**ER560621**	Price
5/8-18	H3	4	**ER560622**	Price
3/4-10	H3	4	**ER560751**	Price
3/4-16	H3	4	**ER560752**	Price
7/8-9	H4	4	**ER560871**	Price
7/8-14	H4	4	**ER560872**	Price
1-8	H4	4	**ER561001**	Price
1-12	H4	4	**ER561002**	Price
1-14	H4	4	**ER561003**	Price

Spiral Pointed Plug STI Taps



Inch Sizes • Screw Thread Insert

OSG List #125
- High speed steel
- Premium general purpose taps for general machining

OSG List #301
- VA-3 high vanadium high speed steel
- Specially designed for tough-to-machine stainless steels

OSG List #314
- VC-10 powdered metal
- Specially designed for machining alloy steels, die steels, hardened steels, and other difficult to machine materials

						301		314	
				Bright		Steam Oxide		Steam Oxide	
Size	Thread Limit	No. of Flutes	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price
2-56	H2	2	1-7/8	-	-	TP251712401	Price	TP251714601	Price
3-48	H2	2	1-15/16	TP207003200	Price	TP2330100101	Price	TP2331400101	Price
4-40	H2	2	2	TP201824000	Price	TP251712501	Price	-	-
4-40	H2	3	2	-	-	-	-	TP251714701	Price
4-48	H2	2	2	TP207004400	Price	TP2330100201	Price	-	-
4-48	H2	3	2	-	-	-	-	TP2331400201	Price
5-40	H2	2	2-1/8	TP207005000	Price	-	-	-	-
6-32	H2	2	2-3/8	TP201824800	Price	-	-	-	-
6-32	H3	2	2-3/8	TP201830400	Price	-	-	-	-
6-32	H2	3	2-3/8	-	-	TP251712601	Price	TP251714801	Price
6-32	H3	3	2-3/8	-	-	TP251712701	Price	TP251714901	Price
6-40	H2	2	2-3/8	TP207007100	Price	-	-	-	-
6-40	H2	3	2-3/8	-	-	TP2330100301	Price	TP2331400301	Price
8-32	H2	2	2-3/8	TP201825200	Price	-	-	-	-
8-32	H3	2	2-3/8	TP201830800	Price	-	-	-	-
8-32	H2	3	2-3/8	-	-	TP251712801	Price	TP251715001	Price
8-32	H3	3	2-3/8	-	-	TP251712901	Price	TP251715101	Price
8-36	H2	2	2-3/8	TP207008600	Price	-	-	-	-
8-36	H2	3	2-3/8	-	-	TP2330100401	Price	TP2331400401	Price
10-24	H2	2	2-1/2	TP201825600	Price	-	-	-	-
10-24	H3	2	2-1/2	TP207009800	Price	-	-	-	-
10-24	H2	3	2-1/2	-	-	TP2330100501	Price	TP2331400501	Price
10-24	H3	3	2-1/2	-	-	TP2330100601	Price	TP2331400601	Price
10-32	H2	2	2-1/2	TP201825800	Price	-	-	-	-
10-32	H3	2	2-1/2	TP207010700	Price	-	-	-	-
10-32	H2	3	2-1/2	-	-	TP251713001	Price	TP251715201	Price
10-32	H3	3	2-1/2	-	-	TP251713101	Price	TP251715301	Price
1/4-20	H2	3	2-23/32	TP201826400	Price	TP2330100701	Price	TP2331400701	Price
1/4-20	H3	3	2-23/32	TP201832000	Price	TP2330100801	Price	TP2331400801	Price
1/4-28	H2	3	2-23/32	TP201826600	Price	TP251713201	Price	TP251715401	Price
1/4-28	H3	3	2-23/32	TP201832200	Price	TP251713301	Price	TP251715501	Price
5/16-18	H3	3	2-15/16	TP207014700	Price	TP2330100901	Price	TP2331401001	Price
5/16-18	H4	3	2-15/16	TP207015300	Price	TP2330101101	Price	-	-
5/16-24	H3	3	2-15/16	TP207016200	Price	TP251713401	Price	TP251715601	Price
3/8-16	H3	3	3-3/8	TP207017100	Price	TP2330101301	Price	TP2331401201	Price
3/8-16	H4	3	3-3/8	TP207017400	Price	TP2330101401	Price	TP2331401301	Price
3/8-24	H3	3	3-3/8	TP207018300	Price	TP2330101601	Price	TP2331401501	Price
7/16-14	H3	3	3-19/32	TP2012500100	Price	TP2330101701	Price	TP2331401601	Price
7/16-20	H3	3	3-19/32	TP2012500300	Price	TP2330101901	Price	TP2331401801	Price
1/2-13	H3	3	3-13/16	TP2012500500	Price	TP2330102201	Price	TP2331402001	Price
1/2-20	H3	3	3-13/16	TP2012500700	Price	TP2330102401	Price	TP2331402201	Price
9/16-12	H3	3	4-1/32	TP2012500900	Price	TP2330102601	Price	TP2331402401	Price
9/16-18	H3	3	4-1/32	TP2012501100	Price	TP2330102801	Price	TP2331402601	Price
5/8-11	H3	3	4-1/4	TP2012501300	Price	TP2330103101	Price	TP2331402801	Price
5/8-18	H3	3	4-1/4	TP2012501500	Price	TP2330103301	Price	TP2331403001	Price
3/4-10	H3	3	4-11/16	TP2012501700	Price	TP2330103501	Price	-	-
3/4-10	H3	4	4-11/16	-	-	-	-	TP2331403201	Price
3/4-16	H3	3	4-11/16	TP2012501900	Price	TP2330103701	Price	-	-
3/4-16	H3	4	4-11/16	-	-	-	-	TP2331403401	Price
7/8-9	H3	3	5-1/8	TP2012502100	Price	TP2330103901	Price	-	-
7/8-9	H3	4	5-1/8	-	-	-	-	TP2331403601	Price
7/8-14	H3	3	5-1/8	TP2012502300	Price	TP2330104201	Price	-	-
7/8-14	H3	4	5-1/8	-	-	-	-	TP2331403801	Price
1-8	H4	3	5-3/4	-	-	TP2330104401	Price	-	-
1-8	H4	4	5-3/4	TP2012502500	Price	-	-	TP2331404001	Price
1-12	H4	3	5-3/4	-	-	TP2330104601	Price	-	-
1-12	H4	4	5-3/4	TP2012502700	Price	-	-	TP2331404201	Price

Metric STI Taps

Spiral Flute • Semi-Bottoming • Screw Thread Insert

OSG List S109
- Bright finish
- 45° Helix
- HSSE material

OSG List 343STI
- Steam oxide or V coating
- 45° Helix
- HSSE material

OSG List 345STI
- Steam oxide or V coating
- 15° Helix
- VC10 material





								345STI				S109	
				Steam Oxide		V		Steam Oxide		Price		Bright	
Size	Class of Fit	No. of Flutes	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M2x0.40	D2	2	1-7/8	**TP2334300101**	Price	**TP2334300108**	Price	**TP2334500101**	Price	**TP2334500108**	Price	**TP2010900100**	Price
M2.5x0.45	D2	2	1-15/16	**TP2334300201**	Price	**TP2334300208**	Price	**TP2334500201**	Price	**TP2334500208**	Price	**TP2010900200**	Price
M3x0.50	D2	3	2-1/8	**TP2334300301**	Price	**TP2334300308**	Price	**TP2334500301**	Price	**TP2334500308**	Price	**TP2010900300**	Price
M4x0.70	D3	3	2-3/8	**TP2334300401**	Price	**TP2334300408**	Price	**TP2334500401**	Price	**TP2334500408**	Price	**TP2010900400**	Price
M5x0.80	D3	3	2-1/2	**TP2334300501**	Price	**TP2334300508**	Price	**TP2334500501**	Price	**TP2334500508**	Price	**TP2010900500**	Price
M6x1.0	D3	3	2-23/32	**TP2334300601**	Price	**TP2334300608**	Price	**TP2334500601**	Price	**TP2334500608**	Price	**TP2010900600**	Price
M8x1.25	D3	3	2-15/16	**TP2334300701**	Price	**TP2334300708**	Price	**TP2334500701**	Price	**TP2334500708**	Price	**TP2010900700**	Price
M10x1.5	D4	3	3-3/8	**TP2334300801**	Price	**TP2334300808**	Price	**TP2334500801**	Price	**TP2334500808**	Price	**TP2010900800**	Price
M12x1.75	D4	3	3-13/16	**TP2334300901**	Price	**TP2334300908**	Price	**TP2334500901**	Price	**TP2334500908**	Price	**TP2010900900**	Price
M14x2.0	D5	3	4-1/32	**TP2334301001**	Price	**TP2334301008**	Price	**TP2334501001**	Price	**TP2334501008**	Price	**TP2010901000**	Price
M16x2.0	D5	3	4-1/4	**TP2334301101**	Price	**TP2334301108**	Price	**TP2334501101**	Price	**TP2334501108**	Price	**TP2010901100**	Price
M18x2.5	D5	4	4-1/4	**TP2334301201**	Price	**TP2334301208**	Price	**TP2334501201**	Price	**TP2334501208**	Price	**TP2010901200**	Price
M20x2.5	D5	4	4-29/32	**TP2334301301**	Price	**TP2334301308**	Price	**TP2334501301**	Price	**TP2334501308**	Price	**TP2010901300**	Price
M22x2.5	D5	4	5-1/8	**TP2334301401**	Price	**TP2334301408**	Price	**TP2334501401**	Price	**TP2334501408**	Price	**TP2010901400**	Price
M24x3.0	D6	4	5-7/16	**TP2334301501**	Price	**TP2334301508**	Price	**TP2334501501**	Price	**TP2334501508**	Price	**TP2010901500**	Price

Metric STI Taps

Spiral Pointed • Plug Style • Screw Thread Insert

OSG List 127
- Bright finish
- HSS material

OSG List 342STI
- Steam oxide or V coating
- HSSE material

OSG List 344STI
- Steam oxide or V coating
- VC10 material



						342STI				344STI			
				Bright		Steam Oxide		V		Price		V	
Size	Class of Fit	No. of Flutes	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M2x0.40	D2	2	1-7/8	**TP2012700100**	Price	**TP2334200101**	Price	**TP2334200108**	Price	**TP2334400101**	Price	**TP2334400108**	Price
M2.5x0.45	D2	2	1-15/16	**TP2012700200**	Price	**TP2334200201**	Price	**TP2334200208**	Price	**TP2334400201**	Price	**TP2334400208**	Price
M3x0.50	D2	2	2-1/8	**TP2012700300**	Price	**-**	-	**-**	-	**-**	-	**-**	-
M3x0.50	D2	3	2-1/8	**-**	-	**TP2334200301**	Price	**TP2334200308**	Price	**TP2334400301**	Price	**TP2334400308**	Price
M4x0.70	D3	2	2-3/8	**TP2012700400**	Price	**-**	-	**-**	-	**-**	-	**-**	-
M4x0.70	D3	3	2-3/8	**-**	-	**TP2334200401**	Price	**TP2334200408**	Price	**TP2334400401**	Price	**TP2334400408**	Price
M5x0.80	D3	2	2-1/2	**TP2012700500**	Price	**-**	-	**-**	-	**-**	-	**-**	-
M5x0.80	D3	3	2-1/2	**-**	-	**TP2334200501**	Price	**TP2334200508**	Price	**TP2334400501**	Price	**TP2334400508**	Price
M6x1.0	D3	3	2-23/32	**TP2012700600**	Price	**TP2334200601**	Price	**TP2334200608**	Price	**TP2334400601**	Price	**TP2334400608**	Price
M8x1.25	D3	3	2-15/16	**TP2012700700**	Price	**TP2334200701**	Price	**TP2334200708**	Price	**TP2334400701**	Price	**TP2334400708**	Price
M10x1.5	D4	3	3-3/8	**TP2012700800**	Price	**TP2334200801**	Price	**TP2334200808**	Price	**TP2334400801**	Price	**TP2334400808**	Price
M12x1.75	D4	3	3-13/16	**TP2012700900**	Price	**TP2334200901**	Price	**TP2334200908**	Price	**TP2334400901**	Price	**TP2334400908**	Price
M14x2.0	D5	3	4-1/32	**TP2012701000**	Price	**TP2334201001**	Price	**TP2334201008**	Price	**TP2334401001**	Price	**TP2334401008**	Price
M16x2.0	D5	3	4-1/4	**TP2012701100**	Price	**TP2334201101**	Price	**TP2334201108**	Price	**TP2334401101**	Price	**TP2334401108**	Price
M18x2.5	D5	3	4-1/4	**TP2012701200**	Price	**TP2334201201**	Price	**TP2334201208**	Price	**-**	-	**-**	-
M18x2.5	D5	4	4-1/4	**-**	-	**-**	-	**-**	-	**TP2334401201**	Price	**TP2334401208**	Price
M20x2.5	D5	3	4-29/32	**TP2012701300**	Price	**TP2334201301**	Price	**TP2334201308**	Price	**-**	-	**-**	-
M20x2.5	D5	4	4-29/32	**-**	-	**-**	-	**-**	-	**TP2334401301**	Price	**TP2334401308**	Price
M22x2.5	D5	3	5-1/8	**TP2012701400**	Price	**TP2334201401**	Price	**TP2334201408**	Price	**-**	-	**-**	-
M22x2.5	D5	4	5-1/8	**-**	-	**-**	-	**-**	-	**TP2334401401**	Price	**TP2334401408**	Price
M24x3.0	D6	4	5-7/16	**TP2012701500**	Price	**TP2334201501**	Price	**TP2334201508**	Price	**TP2334401501**	Price	**TP2334401508**	Price

PROCUT High Speed Steel Pulley Taps
Plug Style



			6" OAL		8 OAL		10 OAL		12 OAL	
Size	Thread Length (in.)	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
6-32	11/16	4	EM709632	Price	EM719632	Price	-	-	-	-
6-40	11/16	4	EM709640	Price	-	-	-	-	-	-
8-32	13/16	4	EM709832	Price	EM719832	Price	-	-	-	-
8-36	13/16	4	EM709836	Price	-	-	-	-	-	-
10-24	15/16	4	EM7091024	Price	-	-	-	-	-	-
10-32	15/16	4	EM7091032	Price	-	-	-	-	-	-
1/4-20	1	4	EM70420	Price	EM71420	Price	-	-	-	-
1/4-28	1	4	EM70428	Price	EM71428	Price	-	-	-	-
5/16-18	1-1/8	4	EM70518	Price	EM71518	Price	-	-	-	-
5/16-24	1-1/8	4	EM70524	Price	EM71524	Price	-	-	-	-
3/8-16	1-1/4	4	EM70616	Price	EM71616	Price	EM72616	Price	-	-
3/8-24	1-1/4	4	EM70624	Price	EM71624	Price	EM72624	Price	-	-
7/16-14	1-7/16	4	EM70714	Price	EM71714	Price	EM72714	Price	-	-
7/16-20	1-7/16	4	EM70720	Price	EM71720	Price	EM72720	Price	-	-
1/2-13	1-21/32	4	EM70813	Price	EM71813	Price	EM72813	Price	-	-
1/2-20	1-21/32	4	EM70820	Price	EM71820	Price	EM72820	Price	-	-
5/8-11	1-13/16	4	EM701011	Price	EM711011	Price	EM721011	Price	EM731011	Price
5/8-18	1-13/16	4	-	-	EM711018	Price	EM721018	Price	EM731018	Price
3/4-10	2	4	-	-	EM711210	Price	EM721210	Price	EM731210	Price
3/4-16	2	4	-	-	-	-	EM721216	Price	-	-
7/8-9	2-1/4	4	-	-	EM711409	Price	EM721409	Price	EM731409	Price
1-8	2-9/16	4	-	-	EM711608	Price	-	-	-	-

PROCUT 6" Spiral Point Pulley Taps
High Speed Steel • Plug Style



Size	No. of Flutes	Thread Length (in.)	Order No.	Price
6-32	2	11/16	EM759632	Price
6-40	2	11/16	EM759640	Price
8-32	2	13/16	EM759832	Price
8-36	2	13/16	EM759836	Price
10-24	2	15/16	EM7591024	Price
10-32	2	15/16	EM7591032	Price
1/4-20	2	1	EM75420	Price
1/4-28	2	1	EM75428	Price
5/16-18	2	1-1/8	EM75518	Price
5/16-24	2	1-1/8	EM75524	Price
3/8-16	3	1-1/4	EM75616	Price
3/8-24	3	1-1/4	EM75624	Price
7/16-14	3	1-7/16	EM75714	Price
7/16-20	3	1-7/16	EM75720	Price
1/2-13	3	1-21/32	EM75813	Price
1/2-20	3	1-21/32	EM75820	Price
5/8-11	3	1-13/16	EM751011	Price
5/8-18	3	1-13/16	EM751018	Price

Spiral Point Pulley Taps
High Speed Steel • Bright Finish
- OSG List #917



Size	Thread Limits	No. of Flutes	OAL (in.)	Order No.	Price
4-40	H2	2	4	TP171294000	Price
6-32	H3	2	4	TP171294100	Price
6-32	H3	2	6	TP171294200	Price
8-32	H3	2	4	TP171294300	Price
8-32	H3	2	6	TP171294400	Price
10-24	H3	2	4	TP171294500	Price
10-24	H3	2	6	TP171294600	Price
10-32	H3	2	4	TP171294700	Price
10-32	H3	2	6	TP171294800	Price
1/4-20	H3	2	4	TP171294900	Price
1/4-20	H3	2	6	TP171295000	Price
1/4-28	H3	2	6	TP171295100	Price
5/16-18	H3	2	4	TP172103000	Price
5/16-18	H3	2	6	TP171295200	Price
5/16-24	H3	2	6	TP172103600	Price
3/8-16	H3	3	4	TP172103800	Price
3/8-16	H3	3	6	TP171295300	Price
3/8-24	H3	3	6	TP172104400	Price
7/16-14	H3	3	6	TP171295400	Price
7/16-20	H3	3	6	TP172105200	Price
1/2-13	H3	3	6	TP171295500	Price
1/2-20	H3	3	6	TP172106000	Price
5/8-11	H3	3	6	TP171295600	Price

PROCUT 6" Spiral Point Extension Taps
High Speed Steel • Reduced Shank • Plug Style



Size	No. of Flutes	Order No.	Price
6-32	2	EM8090632	Price
8-32	2	EM8090832	Price
10-24	2	EM8091024	Price
10-32	2	EM8091032	Price
1/4-20	2	EM80420	Price
1/4-28	2	EM80428	Price
5/16-18	2	EM80518	Price

Size	No. of Flutes	Order No.	Price
5/16-24	2	EM80524	Price
3/8-16	3	EM80616	Price
3/8-24	3	EM80624	Price
7/16-14	3	EM80714	Price
1/2-13	3	EM80813	Price
1/2-20	3	EM80820	Price

Long Shank Spiral Flute Taps
High Speed Steel • Bright Finish
- Standard ANSI shanks
- OSG List #918



				Bottoming		Plug	
Size	Thread Limits	No. of Flutes	OAL (in.)	Order No.	Price	Order No.	Price
4-40	H2	2	4	TP171296100	Price	TP171296000	Price
6-32	H3	2	4	TP171296300	Price	TP171296200	Price
6-32	H3	2	6	TP171296500	Price	TP171296400	Price
8-32	H3	3	4	TP171296700	Price	TP171296600	Price
8-32	H3	3	6	TP171296900	Price	TP171296800	Price
10-24	H3	3	4	TP171297100	Price	TP171297000	Price
10-24	H3	3	6	TP171297300	Price	TP171297200	Price
10-32	H3	3	4	TP171297500	Price	TP171297400	Price
10-32	H3	3	6	TP171297700	Price	TP171297600	Price
1/4-20	H3	3	4	TP171297900	Price	TP171297800	Price
1/4-20	H3	3	6	TP171298100	Price	TP171298000	Price
1/4-28	H3	3	6	TP171298300	Price	TP171298200	Price
5/16-18	H3	3	6	TP171298500	Price	TP171298400	Price
3/8-16	H3	3	6	TP171298700	Price	TP171298600	Price
7/16-14	H3	3	6	TP171298900	Price	TP171298800	Price
1/2-13	H3	3	6	TP171299100	Price	TP171299000	Price
5/8-11	H3	4	6	TP171299300	Price	TP171299200	Price

Plug Style Pulley Taps
High Speed Steel • Steam Oxide Finish
- OSG List #916



Size	Thread Limits	No. of Flutes	OAL (in.)	Order No.	Price
1/4-20	H3	4	6	TP171290001	Price
5/16-18	H3	4	6	TP171290401	Price
3/8-16	H3	4	6	TP171290801	Price
1/2-13	H3	4	6	TP171292001	Price
5/8-11	H3	4	6	TP171292801	Price

Plug Style Small Shank Extension Taps

High Speed Steel - Ground Thread

Reduced shank for deeper threading & long reach applications



OAL (in.) - 4					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
1/4-20	H3	4	.185	**EP4045612**	Price
5/16-18	H3	4	.240	**EP4045614**	Price
3/8-16	H3	4	.275	**EP4045779**	Price
1/2-13	H3	4	.367	**EP4045748**	Price

OAL (in.) - 6					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
6-32	H3	3	.097	**EP4038332**	Price
8-32	H3	3	.123	**EP4038331**	Price
10-24	H3	3	.136	**EP4038342**	Price
10-32	H3	3	.136	**EP4039014**	Price
1/4-20	H3	4	.185	**EP4045681**	Price
1/4-28	H3	4	.185	**EP4045719**	Price
5/16-18	H3	4	.240	**EP4045683**	Price
5/16-24	H3	4	.240	**EP4045631**	Price
3/8-16	H3	4	.275	**EP4045685**	Price
3/8-24	H3	4	.275	**EP4045641**	Price
1/2-13	H3	4	.367	**EP4045687**	Price
1/2-20	H3	4	.367	**EP4045661**	Price
5/8-11	H3	4	.480	**EP4045689**	Price
5/8-18	H3	4	.480	**EP4044956**	Price
3/4-10	H3	4	.590	**EP4045831**	Price
3/4-16	H3	4	.590	**EP4045789**	Price
7/8-9	H4	4	.697	**EP4045741**	Price
1-8	H4	4	.800	**EP4045839**	Price

OAL (in.) - 8					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
3/8-16	H3	4	.275	**EP4045686**	Price
1/2-13	H3	4	.367	**EP4045668**	Price
5/8-11	H3	4	.480	**EP4045952**	Price
3/4-10	H3	4	.590	**EP4045832**	Price
7/8-9	H4	4	.697	**EP4045761**	Price
1-8	H4	4	.800	**EP4045841**	Price

OAL (in.) - 10					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
3/4-10	H3	4	.590	**EP4045834**	Price
7/8-9	H4	4	.697	**EP4045771**	Price
1-8	H4	4	.800	**EP4045851**	Price

OAL (in.) - 12					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
7/8-9	H4	4	.697	**EP4045772**	Price
1-8	H4	4	.800	**EP4045859**	Price

Metric 6" Pulley Taps

- Plug style



Size (mm)	Thread Limits	No. of Flutes	Shank Diameter	Order No.	Price
M4x0.70	D4	4	.123	**EP4045804**	Price
M4x0.70	D4	4	.168	**EP4045800**	Price
M5x0.80	D4	4	.136	**EP4045813**	Price
M5x0.80	D4	4	.194	**EP4045808**	Price
M6x1.0	D5	4	.185	**EP4045821**	Price
M6x1.0	D5	4	.255	**EP4045816**	Price
M8x1.25	D5	4	.240	**EP4045829**	Price
M8x1.25	D5	4	.318	**EP4045825**	Price
M10x1.5	D6	4	.275	**EP4045837**	Price
M10x1.5	D6	4	.381	**EP4045833**	Price
M12x1.75	D6	4	.367	**EP4045845**	Price
M12x1.75	D6	4	.507	**EP4045843**	Price
M14x2.0	D7	4	.429	**EP4045853**	Price
M14x2.0	D7	4	.570	**EP4045849**	Price
M16x2.0	D7	4	.480	**EP4045861**	Price
M16x2.0	D7	4	.633	**EP4045857**	Price

Spiral Point Small Shank Extension Taps



High Speed Steel - Ground Thread

Reduced shank for deeper threading & long reach applications.

OAL (in.) - 4					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
4-40	H2	2	.080	**EP4038302**	Price
4-48	H2	2	.080	**EP4038304**	Price
5-40	H2	2	.093	**EP4038312**	Price
6-32	H3	2	.097	**EP4038324**	Price
8-32	H3	2	.123	**EP4038328**	Price
10-24	H3	2	.136	**EP4038341**	Price
10-32	H3	2	.136	**EP4038992**	Price
1/4-20	H3	2	.185	**EP4045619**	Price
5/16-18	H3	2	.240	**EP4045753**	Price
3/8-16	H3	3	.275	**EP4045778**	Price
1/2-13	H3	3	.367	**EP4045744**	Price

OAL (in.) - 6					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
6-32	H3	2	.097	**EP4038326**	Price
8-32	H3	2	.123	**EP4038330**	Price
10-24	H3	2	.136	**EP4038343**	Price
10-32	H3	2	.136	**EP4039012**	Price
1/4-20	H3	2	.185	**EP4045732**	Price
1/4-28	H3	2	.185	**EP4045722**	Price
5/16-18	H3	2	.240	**EP4045737**	Price
5/16-24	H3	2	.240	**EP4045723**	Price
3/8-16	H3	3	.275	**EP4045742**	Price
3/8-24	H3	3	.275	**EP4045743**	Price
7/16-14	H3	3	.323	**EP4045792**	Price
7/16-20	H3	3	.323	**EP4045745**	Price
1/2-13	H3	3	.367	**EP4045747**	Price
1/2-20	H3	3	.367	**EP4045749**	Price
5/8-11	H3	3	.480	**EP4045752**	Price
5/8-18	H3	3	.480	**EP4045922**	Price
3/4-10	H3	3	.590	**EP4045756**	Price
3/4-16	H3	3	.590	**EP4045784**	Price

OAL (in.) - 8					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
3/8-16	H3	3	.275	**EP4045738**	Price
1/2-13	H3	3	.367	**EP4045665**	Price
5/8-11	H3	3	.480	**EP4045932**	Price
3/4-10	H3	3	.590	**EP4045835**	Price

OAL (in.) - 10					
Size	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
3/4-10	H3	3	.590	**EP4045783**	Price

Metric 6" Small Shank Extension Taps Spiral Point

- Plug style
- Class 6H fit



Size (mm)	Thread Limits	No. of Flutes	Shank Dia.	Order No.	Price
M4 x 0.7	D4	2	.123	**EP4045904**	Price
M4 x 0.7	D4	2	.168	**EP4045900**	Price
M5 x 0.8	D4	2	.136	**EP4045912**	Price
M5 x 0.8	D4	2	.194	**EP4045908**	Price
M6 x 1.0	D5	2	.185	**EP4045921**	Price
M6 x 1.0	D5	2	.255	**EP4045916**	Price
M8 x 1.25	D5	2	.240	**EP4045928**	Price
M8 x 1.25	D5	2	.318	**EP4045925**	Price
M10 x 1.5	D6	3	.275	**EP4045937**	Price
M10 x 1.5	D6	3	.381	**EP4045933**	Price
M12 x 1.75	D6	3	.367	**EP4045945**	Price
M12 x 1.75	D6	3	.507	**EP4045941**	Price
M14 x 2.0	D7	3	.429	**EP4045953**	Price
M14 x 2.0	D7	3	.570	**EP4045949**	Price
M16 x 2.0	D7	3	.480	**EP4045961**	Price
M16 x 2.0	D7	3	.633	**EP4045957**	Price

RAPIDKUT® Small Shank Extension & Pulley Taps



High Speed Steel • Ground Thread • Bright Finish

- Reduced shank for deeper threading and long reach applications
- Plug style

- Hand Taps - Inch						
Size	Class of Fit	Flutes	Overall Length	Shank Dia.	Order No.	Price
6-32	H3	3	6	.097	**EP55110066**	Price
8-32	H3	3	6	.123	**EP55110086**	Price
10-24	H3	3	6	.136	**EP55110106**	Price
10-32	H3	3	6	.136	**EP55110116**	Price
1/4-20	H3	4	4	.185	**EP55110164**	Price
1/4-20	H3	4	6	.185	**EP55110166**	Price
1/4-28	H3	4	6	.185	**EP55110176**	Price
5/16-18	H3	4	4	.240	**EP55110204**	Price
5/16-18	H3	4	6	.240	**EP55110206**	Price
5/16-24	H3	4	6	.240	**EP55110216**	Price
3/8-16	H3	4	4	.275	**EP55110244**	Price
3/8-16	H3	4	6	.275	**EP55110246**	Price
3/8-16	H3	4	8	.275	**EP55110248**	Price
3/8-24	H3	4	6	.275	**EP55110256**	Price
1/2-13	H3	4	4	.367	**EP55110324**	Price
1/2-13	H3	4	6	.367	**EP55110326**	Price
1/2-13	H3	4	8	.367	**EP55110328**	Price
1/2-20	H3	4	6	.367	**EP55110336**	Price
5/8-11	H3	4	6	.480	**EP55110406**	Price
5/8-11	H3	4	8	.480	**EP55110408**	Price
5/8-18	H3	4	6	.480	**EP55110506**	Price
3/4-10	H3	4	6	.590	**EP55110486**	Price
3/4-10	H3	4	8	.590	**EP55110488**	Price
3/4-10	H3	4	10	.590	**EP55110489**	Price
3/4-16	H3	4	6	.590	**EP55110496**	Price
7/8-9	H4	4	6	.697	**EP55110566**	Price
7/8-9	H4	4	8	.697	**EP55110568**	Price
7/8-9	H4	4	10	.697	**EP55110569**	Price
7/8-9	H4	4	12	.697	**EP55110560**	Price
1-8	H4	4	6	.800	**EP55111006**	Price
1-8	H4	4	8	.800	**EP55111008**	Price
1-8	H4	4	10	.800	**EP55111010**	Price
1-8	H4	4	12	.800	**EP55111012**	Price

- Hand Taps - Metric						
Size	Class of Fit	Flutes	Overall Length	Shank Dia.	Order No.	Price
M4x0.70	D4	4	6	.168	**EP553104076†**	Price
M5x0.80	D4	4	6	.194	**EP553105086†**	Price
M6x1.0	D5	4	6	.255	**EP553106026†**	Price
M8x1.25	D5	4	6	.318	**EP553108126†**	Price
M10x1.5	D6	4	6	.381	**EP553110156†**	Price
M10x1.5	D6	4	6	.275	**EP553010156**	Price
M12x1.75	D6	4	6	.507	**EP553112176†**	Price
M12x1.75	D6	4	6	.367	**EP553012176**	Price
M14x2.0	D7	4	6	.570	**EP553114206†**	Price
M14x2.0	D7	4	6	.429	**EP553014206**	Price

- Hand Taps - Metric						
Size	Class of Fit	Flutes	Overall Length	Shank Dia.	Order No.	Price
M16x2.0	D7	4	6	.633	**EP553116206†**	Price
M16x2.0	D7	4	6	.480	**EP553016206**	Price

- Spiral Point Taps - Inch						
Size	Class of Fit	Flutes	Overall Length	Shank Dia.	Order No.	Price
4-40	H2	2	4	.080	**EP55200404**	Price
4-48	H2	2	4	.080	**EP55200484**	Price
5-40	H2	2	4	.093	**EP55200544**	Price
6-32	H3	2	4	.097	**EP55200634**	Price
6-32	H3	2	6	.097	**EP55200636**	Price
8-32	H3	2	4	.123	**EP55200834**	Price
8-32	H3	2	6	.123	**EP55200836**	Price
10-24	H3	2	4	.136	**EP55201244**	Price
10-24	H3	2	6	.136	**EP55201246**	Price
10-32	H3	2	4	.136	**EP55201324**	Price
10-32	H3	2	6	.136	**EP55201326**	Price
1/4-20	H3	2	4	.185	**EP55201624**	Price
1/4-20	H3	2	6	.185	**EP55201626**	Price
1/4-28	H3	2	6	.185	**EP55201686**	Price
5/16-18	H3	2	4	.240	**EP55202184**	Price
5/16-18	H3	2	6	.240	**EP55202186**	Price
5/16-24	H3	2	6	.240	**EP55202246**	Price
3/8-16	H3	3	4	.275	**EP55203164**	Price
3/8-16	H3	3	6	.275	**EP55203166**	Price
3/8-16	H3	3	8	.275	**EP55203168**	Price
3/8-24	H3	3	6	.275	**EP55203246**	Price
7/16-14	H3	3	6	.323	**EP55204166**	Price
7/16-20	H3	3	6	.323	**EP55204206**	Price
1/2-13	H3	3	4	.367	**EP55206134**	Price
1/2-13	H3	3	6	.367	**EP55206136**	Price
1/2-13	H3	3	8	.367	**EP55206138**	Price
1/2-20	H3	3	6	.367	**EP55206206**	Price
5/8-11	H3	3	6	.480	**EP55207116**	Price
5/8-11	H3	3	8	.480	**EP55207118**	Price
5/8-18	H3	3	6	.480	**EP55208186**	Price
3/4-10	H3	3	6	.590	**EP55209106**	Price
3/4-10	H3	3	8	.590	**EP55209108**	Price
3/4-10	H3	3	10	.590	**EP55209110**	Price
3/4-16	H3	3	6	.590	**EP55209166**	Price

- Spiral Point Taps - Metric						
Size	Class of Fit	Flutes	Overall Length	Shank Dia.	Order No.	Price
M4 x 0.7	D4	2	6	.168	**EP554104076†**	Price
M5 x 0.8	D4	2	6	.194	**EP554105086†**	Price
M6 x 1.0	D5	2	6	.255	**EP554106106†**	Price
M8 x 1.25	D5	2	6	.318	**EP554108126†**	Price
M10 x 1.5	D6	3	6	.381	**EP554110156†**	Price
M12 x 1.75	D6	3	6	.507	**EP554112176†**	Price
M12 x 1.75	D6	3	6	.367	**EP554012176**	Price
M14 x 2.0	D7	3	6	.570	**EP554114206†**	Price
M14 x 2.0	D7	3	6	.429	**EP554014206**	Price
M16 x 2.0	D7	3	6	.633	**EP554116206†**	Price
M16 x 2.0	D7	3	6	.480	**EP554016206**	Price

† Standard shank pulley taps

Acme Tandem Taps



High Speed Steel

- Ground thread
- Roughing and finishing tap
- 2G fit

					PROCUT		RAPIDKUT®			
					Right Hand		Rapidkut Left Hand		Rapidkut Right Hand	
Size	Thread Length (in.)	OAL (in.)	Brass & Cast Iron	Bronze & Steel	Order No.	Price	Order No.	Price	Order No.	Price
1/2-10	2-9/16	5	1-1/2	1	**ER701210**	Price	**ER721210**	Price	**ER711210**	Price
5/8-8	3-3/16	6-1/4	1-7/8	1-1/4	**ER70588**	Price	**ER72588**	Price	**ER71588**	Price
3/4-6	4-5/16	7-15/16	2-1/4	1-1/2	**ER70346**	Price	**ER72346**	Price	**ER71346**	Price
7/8-6	4-3/8	8-5/8	2-5/8	1-3/4	**ER70786**	Price	**ER72786**	Price	**ER71786**	Price
1-5	5-1/4	10-1/8	3	2	**ER7015**	Price	**ER7215**	Price	**ER7115**	Price
1-1/8-5	5-1/4	10-3/4	3-3/8	2-1/4	**ER701185**	Price	-	-	-	-
1-1/4-5	5-1/4	11-1/8	3-3/4	2-1/2	**ER701145**	Price	**ER721145**	Price	**ER711145**	Price
1-3/8-4	5-7/8	12-1/4	4-1/8	2-3/4	**ER701384**	Price	-	-	-	-
1-1/2-4	5-7/8	12-5/8	4-1/2	3	**ER701124**	Price	**ER721124**	Price	**ER711124**	Price

Taper Pipe Taps

- High speed steel
- Taper pipe taps - NPT
- Dryseal taper pipe taps - NPTF
- All HSS taps have ground threads



RAPIDKUT

				ProCut				Rapidkut			
				NPT		NPTF		NPT		Price	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/16-27	4	11/16	2-1/8	EM50127	Price	EM51127	Price	EM40127	Price	EM41127	Price
1/8-27	4	3/4	2-1/8	EM50227	Price	EM51227	Price	EM40227	Price	EM41227	Price
1/8-27 (sm. sk.)	4	3/4	2-1/8	EM50227S†	Price	EM51227S†	Price	EM40227S†	Price	EM41227S†	Price
1/4-18	4	1-1/16	2-7/16	EM50418	Price	EM51418	Price	EM40418	Price	EM41418	Price
3/8-18	4	1-1/16	2-9/16	EM50618	Price	EM51618	Price	EM40618	Price	EM41618	Price
1/2-14	4	1-3/8	3-1/8	EM50814	Price	EM51814	Price	EM40814	Price	EM41814	Price
3/4-14	5	1-3/8	3-1/4	EM501214	Price	EM511214	Price	EM401214	Price	EM411214	Price
1-11-1/2	5	1-3/4	3-3/4	EM501611	Price	EM511611	Price	EM401611	Price	EM411611	Price
1-1/4-11-1/2	5	1-3/4	4	EM502011	Price	EM512011	Price	EM402011	Price	EM412011	Price
1-1/2-11-1/2	7	1-3/4	4-3/4	EM502411	Price	EM512411	Price	EM402411	Price	EM412411	Price
2-11-1/2	7	1-3/4	4-1/2	EM503211	Price	EM513211	Price	EM403211	Price	EM413211	Price
2-1/2-8	8	2-9/16	5-1/2	EM504008	Price	-	-	-	-	-	-
3-1/2-8	8	2-11/16	6-1/2	EM505608	Price	EM515608	Price	-	-	-	-
3-8	8	2-5/8	6	EM504808	Price	EM514808	Price	-	-	-	-
4-8	8	2-7/8	7	EM506408	Price	-	-	-	-	-	-

† Small shank .3125 diameter

Taper Pipe Taps High Speed Steel

- NPT/ANPT, NPTF
- Regular thread
- Morse List #2119
- OSG List #108 (NPT), List #118 (NPTF)



								OSG USA, Inc.							
				NPT		NPTF		NPT				NPTF			
				Bright		Bright		Bright		Price		Bright		Steam Oxide	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/16-27	4	11/16	2-1/8	MT4036121	Price	MT4036141	Price	TP131310000	Price	TP131310001	Price	TP131312500	Price	TP131312501	Price
1/8-27 (sm. shk.)	4	3/4	2-1/8	MT4036122	Price	MT4036142	Price	TP131310200†	Price	TP131310201	Price	TP131312700†	Price	TP131312701	Price
1/8-27 (lg. shk.)	4	3/4	2-1/8	MT4036123	Price	MT4036143	Price	TP131310100	Price	TP131310101	Price	TP131312600	Price	TP131312601	Price
1/4-18	4	1-1/16	2-7/16	MT4036124	Price	MT4036144	Price	TP131310300	Price	TP131310301	Price	TP131312800	Price	TP131312801	Price
3/8-18	4	1-1/16	2-9/16	MT4036125	Price	MT4036145	Price	TP131310400	Price	TP131310401	Price	TP131312900	Price	TP131312901	Price
1/2-14	4	1-3/8	3-1/8	MT4036126	Price	MT4036146	Price	TP131310500	Price	TP131310501	Price	TP131313000	Price	TP131313001	Price
3/4-14	5	1-3/8	3-1/4	MT4036127	Price	MT4036147	Price	TP131310600	Price	TP131310601	Price	TP131313100	Price	TP131313101	Price
1-11-1/2	5	1-3/4	3-3/4	MT4036128	Price	MT4036148	Price	TP131310700	Price	TP131310701	Price	TP131313200	Price	TP131313201	Price
1-1/4-11-1/2	5	1-3/4	4	MT4036129	Price	MT4036149	Price	TP131310800	Price	TP131310801	Price	TP131313300	Price	TP131313301	Price
1-1/2-11-1/2	7	1-3/4	4-1/4	MT4036130	Price	MT4036150	Price	TP131310900	Price	TP131310901	Price	TP131313400	Price	TP131313401	Price
2-11-1/2	7	1-3/4	4-1/2	MT4036131	Price	MT4036151	Price	TP131311000	Price	TP131311001	Price	TP131313500	Price	TP131313501	Price

†Small shank .3125 diameter

PROCUT Long Taper Pipe Taps



High Speed Steel

- Ground thread

		4" OAL		6" OAL	
Size	Thread Length (in.)	Order No.	Price	Order No.	Price
1/8-27	3/4	EM68227	Price	EM69227	Price
1/4-18	1-1/16	EM68418	Price	EM69418	Price
3/8-18	1-1/16	-	-	EM69618	Price

		4" OAL		6" OAL	
Size	Thread Length (in.)	Order No.	Price	Order No.	Price
1/2-14	1-3/8	-	-	EM69814	Price
3/4-14	1-3/8	-	-	EM691214	Price
1-11-1/2	1-3/4	-	-	EM691611	Price

British Pipe Taps

Style BSPP British Parallel Pipe 55º Whitworth Thread - Full Form



Size	Drill Dia. Range	No. of Flutes	Order No.	Price
1/8-28	.3372 - .3488	4	EP4047050	Price
1/4-19	.4505 - .4680	4	EP4047052	Price
3/8-19	.5885 - .6060	4	EP4047054	Price
1/2-14	.7335 - .7548	4	EP4047056	Price
3/4-14	.9495 - .9707	5	EP4047058	Price
1-11	1.1926 - 1.2178	5	EP4047060	Price
1-1/4-11	1.5335 - 1.5887	5	EP4047062	Price
1-1/2-11	1.7655 - 1.7907	7	EP4047064	Price
2-11	2.2306 - 2.2558	7	EP4047066	Price

British Pipe Taps

Style BSPT (Rc) British Taper Pipe 55º Whitworth Thread - Full Form



Size	BSPT (Rc) Stnd. Projections	No. of Flutes	Drill Dia. With Reamer	Drill Dia. Without Reamer	Order No.	Price
1/8-28	.206 ± .035	4	8.00mm	8.40mm	EP4047070	Price
1/4-19	.304 ± .050	4	10.80mm	11.20mm	EP4047074	Price
3/8-19	.306 ± .050	4	14.25mm	14.75mm	EP4047078	Price
1/2-14	.416 ± .070	4	17.75mm	18.25mm	EP4047080	Price
3/4-14	.413 ± .070	5	23.00mm	23.75mm	EP4047082	Price
1-11	.525 ± .080	5	29.00mm	30.00mm	EP4047084	Price
1-1/4-11	.524 ± .080	5	37.50mm	38.50mm	EP4047086	Price
1-1/2-11	.524 ± .090	7	43.50mm	44.50mm	EP4047088	Price

PRIMUS Taper Pipe Taps

Interrupted Thread

- First few threads on interrupted thread pipe taps are left full
- High speed steel
- Ground thread
- NPT, NPTF



				NPT		NPTF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8-27	5	3/4	2-1/8	**EM60227**	Price	**EM61227**	Price
1/8-27 (Sm. Shk.)	5	3/4	2-1/8	**EM60227S†**	Price	**EM61227S†**	Price
1/4-18	5	1-1/16	2-7/16	**EM60418**	Price	**EM61418**	Price
3/8-18	5	1-1/16	2-9/16	**EM60618**	Price	**EM61618**	Price
1/2-14	5	1-3/8	3-1/8	**EM60814**	Price	**EM61814**	Price
3/4-14	5	1-3/8	3-1/4	**EM601214**	Price	**EM611214**	Price
1-11-1/2	5	1-3/4	3-3/4	**EM601611**	Price	**EM611611**	Price
1-1/4-11-1/2	5	1-3/4	4	**EM602011**	Price	**EM612011**	Price
1-1/2-11-1/2	7	1-3/4	4-1/4	**EM602411**	Price	-	-
2-11-1/2	7	1-3/4	4-1/2	**EM603211**	Price	-	-

† Small shank .3125 diameter

OSG Taper Pipe Taps Ground Thread

List 108G • Interrupted Thread

- High speed steel
- NPT/ANPT, NPTF
- OSG List #108G



				NPT		NPTF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8 -27 (Lg.Shk.)	5	3/4	2-1/8	**TP131315100**	Price	**TP133310100**	Price
1/8-27 (Sm. Shk.)	5	3/4	2-1/8	**TP131315200†**	Price	**TP133310500†**	Price
1/4-18	5	1-1/16	2-7/16	**TP131315300**	Price	**TP133310900**	Price
3/8-18	5	1-1/16	2-9/16	**TP131315400**	Price	**TP131311300**	Price
1/2-14	5	1-3/8	3-1/8	**TP131315500**	Price	**TP131311700**	Price
3/4-14	5	1-3/8	3-1/4	**TP131315600**	Price	**TP131312100**	Price
1-11-1/2	5	3/4	3-3/4	**TP131315700**	Price	-	-

† Small shank .3125 diameter

HSS MORSE M GP Straight Pipe Taps

High Speed Steel • Bright Finish

- Ground thread
- NPS & NPSF
- Morse List #2123



				NPS		NPSF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8-27 (lg. shk.)	4	3/4	2-1/8	**MT4036162**	Price	**MT4036182**	Price
1/8-27 (sm. shk.)	4	3/4	2-1/8	**MT4036161†**	Price	**MT4036181†**	Price
1/4-18	4	1-1/16	2-7/16	**MT4036163**	Price	**MT4036183**	Price
3/8-18	4	1-1/16	2-9/16	**MT4036164**	Price	**MT4036184**	Price
1/2-14	4	1-3/8	3-1/8	**MT4036165**	Price	**MT4036185**	Price
3/4-14	5	1-3/8	3-1/4	**MT4036166**	Price	**MT4036186**	Price
1-11-1/2	5	1-3/4	3-3/4	**MT4036167**	Price	-	-

† Small shank .3125 diameter

HSS MORSE M GP Taper Pipe Taps

Interrupted Thread

- Ground thread
- High speed steel
- NPT/ANPT, NPTF
- Morse List #2113



				NPT		NPTF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8 -27 (Lg. Shk.)	5	3/4	2-1/8	**MT4036002**	Price	**MT4036022**	Price
1/8-27 (Sm. Shk.)	5	3/4	2-1/8	**MT4036001†**	Price	**MT4036021†**	Price
1/4-18	5	1-1/16	2-7/16	**MT4036003**	Price	**MT4036023**	Price
3/8-18	5	1-1/16	2-9/16	**MT4036004**	Price	**MT4036024**	Price
1/2-14	5	1-3/8	3-1/8	**MT4036005**	Price	**MT4036025**	Price
3/4-14	5	1-3/8	3-1/4	**MT4036006**	Price	**MT4036026**	Price
1-11-1/2	5	1-3/4	3-3/4	**MT4036007**	Price	**MT4036027**	Price
1-1/4-11-1/2	5	1-3/4	4	**MT4036008**	Price	-	-
1-1/2-11-1/2	7	1-3/4	4-1/4	**MT4036009**	Price	-	-
2-11-1/2	7	1-3/4	4-1/2	**MT4036010**	Price	-	-

† Small shank .3125 diameter

PRIMUS Straight Pipe Taps

- Ground thread
- High speed steel
- NPS & NPSF



			NPS		NPSF	
Size	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8-27 (lg. shk.)	3/4	2-1/8	**EM55227**	Price	**EM56227**	Price
1/8-27 (sm. shk.)	3/4	2-1/8	**EM55227S†**	Price	**EM56227S†**	Price
1/4-18	1-1/16	2-7/16	**EM55418**	Price	**EM56418**	Price
3/8-18	1-1/16	2-9/16	**EM55618**	Price	**EM56618**	Price
1/2-14	1-3/8	3-1/8	**EM55814**	Price	**EM56814**	Price
3/4-14	1-3/8	3-1/4	**EM551214**	Price	**EM561214**	Price
1-11-1/2	1-3/4	3-3/4	**EM551611**	Price	**EM561611**	Price

† Small shank .3125 diameter

OSG Straight Pipe Taps

High Speed Steel • Bright Finish

- Ground thread
- NPS & NPSF
- OSG List #109



				NPS		NPSF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8-27 (lg. shk.)	4	3/4	2-1/8	**TP131330100**	Price	**TP131332600**	Price
1/8-27 (sm. shk.)	4	3/4	2-1/8	**TP131330200**	Price	**TP131332700†**	Price
1/4-18	4	1-1/16	2-7/16	**TP131330300**	Price	**TP131332800**	Price
3/8-18	4	1-1/16	2-9/16	**TP131330400**	Price	**TP131332900**	Price
1/2-14	4	1-3/8	3-1/8	**TP131330500**	Price	**TP131333000**	Price
3/4-14	5	1-3/8	3-1/4	**TP131330600**	Price	**TP131333100**	Price
1-11-1/2	5	1-3/4	3-3/4	**TP131330700**	Price	-	-

† Small shank .3125 diameter

Regular NPT Pipe Taps

High Speed Steel



Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
1/16-27	4	11/16	2-1/8	**ER80P1000427**	Price
1/8-27	4	3/4	2-1/8	**ER80P1000827**	Price
1/4-18	4	1-1/16	2-7/16	**ER80P1001618**	Price
3/8-18	4	1-1/16	2-9/16	**ER80P1002418**	Price
1/2-14	4	1-3/8	3-1/8	**ER80P1003214**	Price
3/4-14	5	1-3/8	3-1/4	**ER80P1004814**	Price
1-11-1/2	5	1-3/4	3-3/4	**ER80P1010011**	Price
1-1/4-11-1/2	5	1-3/4	4	**ER80P1011611**	Price
1-1/2-11-1/2	7	1-3/4	4-1/4	**ER80P1013211**	Price
2-11-1/2	7	1-3/4	4-1/2	**ER80P1020011**	Price

Interrupted NPT Pipe Taps

High Speed Steel



Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
1/8-27	4	3/4	2-1/8	**ER80P3000827**	Price
1/4-18	4	1-1/16	2-7/16	**ER80P3001618**	Price
3/8-18	4	1-1/16	2-9/16	**ER80P3002418**	Price
1/2-14	4	1-3/8	3-1/8	**ER80P3003214**	Price
3/4-14	5	1-3/8	3-1/4	**ER80P3004814**	Price
1-11-1/2	5	1-3/4	3-3/4	**ER80P3010011**	Price

PROCUT Taper Pipe Reamers

Spiral Flute • High Speed Steel



Size (in.)	Diameter	Flute Length (in.)	OAL (in.)	Order No.	Price
1/8	.316 - .362	3/4	2-1/8	**EM90002**	Price
1/4	.406 - .472	1-1/16	2-7/16	**EM90004**	Price
3/8	.540 - .606	1-1/16	2-9/16	**EM90006**	Price
1/2	.665 - .751	1-3/8	3-1/8	**EM90008**	Price
3/4	.876 - .962	1-3/8	3-1/4	**EM90012**	Price
1	1.103 - 1.212	1-3/4	3-3/4	**EM90016**	Price
1-1/4	1.444 - 1.553	1-3/4	4	**EM90020**	Price
1-1/2	1.684 - 1.793	1-3/4	4-1/4	**EM90028**	Price
2	2.159 - 2.268	1-3/4	4-1/2	**EM90032**	Price

Spiral Flute HSSE-V3 NPT Pipe Taps

High Speed Steel

- Spiral flute design for steel, stainless steel and other materials



Size	No. of Flutes	Thread Length	OAL (in.)	Order No.	Price
1/16-27	4	11/16	2-1/8	**ER80P2000427**	Price
1/8-27	4	3/4	2-1/8	**ER80P2000827**	Price
1/4-18	4	1-1/16	2-7/16	**ER80P2001618**	Price
3/8-18	4	1-1/16	2-9/16	**ER80P2002418**	Price
1/2-14	4	1-3/8	3-1/8	**ER80P2003214**	Price
3/4-14	5	1-3/8	3-1/4	**ER80P2004814**	Price
1-11-1/2	5	1-3/4	3-3/4	**ER80P2010011**	Price
1-1/4-11-1/2	5	1-3/4	4	**ER80P2011611**	Price
1-1/2-11-1/2	5	1-3/4	4-1/4	**ER80P2013211**	Price
2-11-1/2	5	1-3/4	4-1/2	**ER80P2020022**	Price

Hy-Pro® Interrupted Pipe Taps

NPT • NPTF

- Interrupted modified bottoming
- Spiral flute
- Good for medium and high carbon steels, alloy steels, and die steels up to 20 HRc
- TiCN coated
- OSG List #12053 (NPT) and 12054 (NPTF)



				NPT		NPTF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8-27 (Sm. Shk.)	3	3/4	2-1/8	**TP281205300108**	Price	**TP281205400108**	Price
1/8-27 (Lg. Shk.)	3	3/4	2-1/8	**TP281205300208**	Price	**TP281205400208**	Price
1/4-18	3	1-1/16	2-7/16	**TP281205300308**	Price	**TP281205400308**	Price
3/8-18	4	1-1/16	2-9/16	**TP281205300408**	Price	**TP281205400408**	Price
1/2-14	5	1-3/8	3-1/8	**TP281205300508**	Price	**TP281205400508**	Price
3/4-14	5	1-3/8	3-1/4	**TP281205300608**	Price	**TP281205400608**	Price
1-11-1/2	5	1-3/4	3-3/4	**TP281205300708**	Price	**TP281205400708**	Price

EXOPIPE® Pipe Taps

HSSE • Steam Oxide Finish

- For 300 stainless steel
- Developed especially for tapping stainless steel pipe fittings
- OSG List #308 (NPT) List #318 (NPTF)



				NPT		NPTF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/16-27	4	11/16	2-1/8	**TP261735001**	Price	**TP261737501**	Price
1/8-27 (Lg. Shk.)	4	3/4	2-1/8	**TP261735101**	Price	**TP261737601**	Price
1/8-27 (Sm. Shk.)	4	3/4	2-1/8	**TP261735201†**	35.62	**TP261737701†**	35.62
1/4-18	4	1-1/16	2-7/16	**TP261735301**	Price	**TP261737801**	Price
3/8-18	4	1-1/16	2-9/16	**TP261735401**	Price	**TP261737901**	Price
1/2-14	4	1-3/8	3-1/8	**TP261735501**	Price	**TP261738001**	Price
3/4-14	5	1-3/8	3-1/4	**TP261735601**	Price	**TP261738101**	Price
1-11-1/2	5	1-3/4	3-3/4	**TP261735701**	Price	**TP261738201**	Price

† Small shank .3125 diameter

HSS M GP Taper Pipe Taps For Cast Iron

High Speed Steel • Ground Thread • NPT

- Manufactured with radial cutting face and surface treated to resist abrasion
- May also be used in brass and other materials having brittle chip characteristics
- Morse List #2133



Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
1/8-27	4	3/4	2-1/8	**MT4036202†**	Price
1/4-18	4	1-1/16	2-7/16	**MT4036203**	Price
3/8-18	4	1-1/16	2-9/16	**MT4036204**	Price
1/2-14	4	1-3/8	3-1/8	**MT4036205**	Price
3/4-14	5	1-3/8	3-1/4	**MT4036206**	Price
1-11-1/2	5	1-3/4	3-3/4	**MT4036207**	Price
1-1/4-11-1/2	5	1-3/4	4	**MT4036208**	Price
1-1/2-11-1/2	7	1-3/4	4-1/4	**MT4036209**	Price
2-11-1/2	7	1-3/4	4-1/2	**MT4036210**	Price

† Large shank

WIDIA High Performance NPT Pipe Taps

HSS-E • Straight Flute

- 0° Tapping angle



Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
1/4-18 NPT	4	1.030	2.437	**WK315629647**	Price
3/8-18 NPT	4	1.030	2.563	**WK315629648**	Price
3/4-14 NPT	5	1.375	3.250	**WK315629904**	Price

HSS M GP Taper High Hook Pipe Taps

High Speed Steel • Ground Thread • NPT & NPTF

- Designed for those ductile “soft gummy” materials
- Smooth, chatterfree threads in soft stainless steel, aluminum and other similar materials are achieved due to high hook design
- Morse List #2120



					NPT		NPTF	
Size	Projection (in.)	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8-27	High Hook Design	4	3/4	2-1/8	**MT4036188†**	Price	**MT4036194†**	Price
1/4-18	High Hook Design	4	1-1/16	2-7/16	**MT4036189**	Price	**MT4036195**	Price
3/8-18	High Hook Design	4	1-1/16	2-9/16	**MT4036190**	Price	**MT4036196**	Price
1/2-14	High Hook Design	4	1-3/8	3-1/8	**MT4036191**	Price	**MT4036197**	Price
3/4-14	High Hook Design	5	1-3/8	3-1/4	**MT4036192**	Price	**MT4036198**	Price
1-11-1/2	High Hook Design	5	1-3/4	3-3/4	**MT4036193**	Price	**MT4036199**	Price

† Large shank

HSS M GP Spiral Flute Taper Pipe Taps

High Speed Steel • Ground Thread • NPT & NPTF

- Offer the most effectiveness in those applications where long stringy chips are produced
- The spiral flutes create a lifting action of the chips from the hole being tapped
- Morse List #2121



				NPT		NPTF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8-27	4	3/4	2-1/8	**MT4036168†**	Price	**MT4036173†**	Price
1/4-18	4	1-1/16	2-7/16	**MT4036169**	Price	**MT4036174**	Price
3/8-18	4	1-1/16	2-9/16	**MT4036170**	Price	**MT4036175**	Price
1/2-14	4	1-3/8	3-1/8	**MT4036171**	Price	**MT4036176**	Price
3/4-14	5	1-3/8	3-1/4	**MT4036172**	Price	**MT4036177**	Price

† Large shank

Spiral Flute Taper Pipe Taps

High Speed Steel • Ground Thread • NPT & NPTF

- Offer the most effectiveness in those applications where long stringy chips are produced.
- The spiral flutes create a lifting action of the chips from the hole being tapped
- Bright finish
- OSG List #S125



				NPT		NPTF	
Size	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/8-27	4	3/4	2-1/8	**TP131250500†**	Price	**TP131250600†**	Price
1/4-18	4	1-1/16	2-7/16	**TP131251300**	Price	**TP131251400**	Price
3/8-18	4	1-1/16	2-9/16	**TP131251700**	Price	**TP131251800**	Price
1/2-14	4	1-3/8	3-1/8	**TP131252100**	Price	**TP131252200**	Price
3/4-14	5	1-3/8	3-1/4	**TP131252500**	Price	**TP131252600**	Price

† Large shank

RAPIDKUT® High Performance Spiral Point Taps

Bright Finish • Plug Style • Color Coded for Easy Identification



Blue Ring – High Vanadium Steel
For general purpose machining of:
- Low carbon steel (< HRc 16)<ParaStyle:Bullets>Medium to high carbon steel and low alloy steel (>HRc 23)
- Steel castings and forgings (> HRc 24)



Yellow Ring – High Vanadium Steel
For tough materials such as:
- Stainless steel (>HRc 23)
- Heat/corrosion resistant stainless steel (>HRc 24)
- Valve stainless steel (>HRc 38)
- Alloyed high carbon and tool steel



Red Ring – Powder Metallurgy HSS
For high tensile materials such as:
- Titanium (>HRc 38)
- Inconel, Waspaloy, Hastelloy and Monel (>HRc 38)
- Tool steels and nickel alloys
- High strength stainless steels
- Aluminum alloy castings

			General Purpose - Blue Band				Tough Material - Yellow Band				High Tensile - Red Band			
Size	OAL (in.)	Thread Length	Thread Limits	No. of Flutes	Order No.	Price	Thread Limits	No. of Flutes	Order No.	Price	Thread Limits	No. of Flutes	Order No.	Price
4-40	1-7/8	.3350	H2	2	**EK30BRB1000440**	Price	H2	2	**EK30YRB1000440**	Price	H2	2	**EK30RRB1000440**	Price
5-40	1-15/16	.3740	-	-	**-**	-	-	-	**-**	-	H2	3	**EK30RRB1000540**	Price
6-32	2	.4130	H3	2	**EK30BRB1000632**	Price	H3	3	**EK30YRB1000632**	Price	H3	3	**EK30RRB1000632**	Price
6-40	2	.4130	H2	2	**EK30BRB1000640**	Price	H2	3	**EK30YRB1000640**	Price	-	-	**-**	-
8-32	2-1/8	.4530	H3	2	**EK30BRB1000832**	Price	H3	3	**EK30YRB1000832**	Price	H3	3	**EK30RRB1000832**	Price
10-24	2-3/8	.5310	H3	2	**EK30BRB1001024**	Price	H3	3	**EK30YRB1001024**	Price	H3	3	**EK30RRB1001024**	Price
10-32	2-3/8	.5310	H3	2	**EK30BRB1001032**	Price	H3	3	**EK30YRB1001032**	Price	H3	3	**EK30RRB1001032**	Price
12-24	2-3/8	.5710	H3	2	**EK30BRB1001224**	Price	H3	3	**EK30YRB1001224**	Price	-	-	**-**	-
1/4-20	2-1/2	.5910	H3	2	**EK30BRB1001620**	Price	H3	3	**EK30YRB1001620**	Price	H3	3	**EK30RRB1001620**	Price
1/4-28	2-1/2	.5910	H3	3	**EK30BRB1001628**	Price	H2	3	**EK30YRB1001628**	Price	H3	3	**EK30RRB1001628**	Price
5/16-18	2-23/32	.6690	H3	2	**EK30BRB1002018**	Price	H3	3	**EK30YRB1002018**	Price	H3	3	**EK30RRB1002018**	Price
5/16-24	2-23/32	.6690	H3	3	**EK30BRB1002024**	Price	H3	3	**EK30YRB1002024**	Price	H3	3	**EK30RRB1002024**	Price
3/8-16	2-15/16	.7480	H3	3	**EK30BRB1002416**	Price	H3	3	**EK30YRB1002416**	Price	H3	3	**EK30RRB1002416**	Price
3/8-24	2-15/16	.7480	H3	3	**EK30BRB1002424**	Price	H3	3	**EK30YRB1002424**	Price	H3	3	**EK30RRB1002424**	Price
7/16-14	3-5/32	.8660	H3	3	**EK30BRB1002814**	Price	H3	3	**EK30YRB1002814**	Price	H3	3	**EK30RRB1002814**	Price
7/16-20	3-5/32	.8660	H3	3	**EK30BRB1002820**	Price	H3	3	**EK30YRB1002820**	Price	H3	3	**EK30RRB1002820**	Price
1/2-13	3-3/8	.9840	H3	3	**EK30BRB1003213**	Price	H3	3	**EK30YRB1003213**	Price	H3	3	**EK30RRB1003213**	Price
1/2-20	3-3/8	.9840	H3	3	**EK30BRB1003220**	Price	H3	3	**EK30YRB1003220**	Price	H3	3	**EK30RRB1003220**	Price
5/8-11	3-13/16	1.0830	H3	3	**EK30BRB1004011**	Price	H3	3	**EK30YRB1004011**	Price	H3	3	**EK30RRB1004011**	Price
5/8-18	3-13/16	1.0830	H3	3	**EK30BRB1004018**	Price	H3	3	**EK30YRB1004018**	Price	H3	3	**EK30RRB1004018**	Price
3/4-10	4-1/4	1.2010	H3	3	**EK30BRB1004810**	Price	H3	3	**EK30YRB1004810**	Price	H3	3	**EK30RRB1004810**	Price
3/4-16	4-1/4	1.2010	H3	3	**EK30BRB1004816**	Price	H3	3	**EK30YRB1004816**	Price	H3	3	**EK30RRB1004816**	Price
7/8-9	4-11/16	1.339	H4	3	**EK30BRB1005609**	Price	H4	3	**EK30YRB1005609**	Price	-	-	**-**	-
7/8-14	4-11/16	1.339	H4	3	**EK30BRB1005614**	Price	H4	3	**EK30YRB1005614**	Price	-	-	**-**	-
1-8	5-1/8	1.5000	H4	3	**EK30BRB1010008**	Price	H4	3	**EK30YRB1010008**	Price	-	-	**-**	-
1-12	5-1/8	1.5000	H4	3	**EK30BRB1010012**	Price	H4	3	**EK30YRB1010012**	Price	-	-	**-**	-
1-1/8-7	5-7/16	1.6100	H4	4	**EK30BRB1010807**	Price	H4	4	**EK30YRB1010807**	Price	-	-	**-**	-
1-1/8-12	5-7/16	1.6100	H4	4	**EK30BRB1010812**	Price	H4	4	**EK30YRB1010812**	Price	-	-	**-**	-
1-1/4-7	5-3/4	1.6100	H4	4	**EK30BRB1011607**	Price	H4	4	**EK30YRB1011607**	Price	-	-	**-**	-
1-1/4-12	5-3/4	1.6100	H4	4	**EK30BRB1011612**	Price	H4	4	**EK30YRB1011612**	Price	-	-	**-**	-
1-3/8-6	6-1/16	1.9000	H4	4	**EK30BRB1012406**	Price	H4	4	**EK30YRB1012406**	Price	-	-	**-**	-
1-3/8-12	6-1/16	1.9000	H4	4	**EK30BRB1012412**	Price	H4	4	**EK30YRB1012412**	Price	-	-	**-**	-
1-1/2-6	6-3/8	2.0000	H4	4	**EK30BRB1013206**	Price	H4	4	**EK30YRB1013206**	Price	-	-	**-**	-
1-1/2-12	6-3/8	2.0000	H4	4	**EK30BRB1013212**	Price	H4	4	**EK30YRB1013212**	Price	-	-	**-**	-

			Multi-Purpose - Black Band				Aluminum - Green Band			
Size	OAL (in.)	Thread Length	Thread Limits	No. of Flutes	Order No.	Price	Thread Limits	No. of Flutes	Order No.	Price
4-40	1-7/8	.3350	H2	2	**EK30BLRB4000440**	Price	H2	2	**EK30GRB6000440**	Price
4-48	1-7/8	.3350	H2	2	**EK30BLRB4000448**	Price	-	-	**-**	-
5-40	1-15/16	.3740	H2	2	**EK30BLRB4000540**	Price	-	-	**-**	-
5-44	1-15/16	.3740	H2	2	**EK30BLRB4000544**	Price	-	-	**-**	-
6-32	2	.4130	H3	3	**EK30BLRB4000632**	Price	H3	2	**EK30GRB6000632**	Price
6-40	2	.4130	H2	2	**EK30BLRB4000640**	Price	H2	2	**EK30GRB6000640**	Price
8-32	2-1/8	.4530	H3	3	**EK30BLRB4000832**	Price	H3	2	**EK30GRB6000832**	Price
8-36	2-1/8	.4530	H2	2	**EK30BLRB4000836**	Price	-	-	**-**	-
10-24	2-3/8	.5310	H3	3	**EK30BLRB4001024**	Price	H3	2	**EK30GRB6001024**	Price
10-32	2-3/8	.5310	H3	3	**EK30BLRB4001032**	Price	H3	2	**EK30GRB6001032**	Price
12-24	2-3/8	.5710	H3	3	**EK30BLRB4001224**	Price	H3	2	**EK30GRB6001224**	Price
12-28	2-3/8	.5710	H3	3	**EK30BLRB4001228**	Price	-	-	**-**	-
1/4-20	2-1/2	.5910	H5	3	**EK30BLRB4001620**	Price	H3	2	**EK30GRB6001620**	Price
1/4-28	2-1/2	.5910	H4	3	**EK30BLRB4001628**	Price	H2	2	**EK30GRB6001628**	Price
5/16-18	2-23/32	.6690	-	-	**-**	-	H3	2	**EK30GRB6002018**	Price
5/16-18	2-21/32	.6690	H5	3	**EK30BLRB4002018**	Price	-	-	**-**	-
5/16-24	2-23/32	.6690	-	-	**-**	-	H3	2	**EK30GRB6002024**	Price
5/16-24	2-21/32	.6690	H4	3	**EK30BLRB4002024**	Price	-	-	**-**	-
3/8-16	2-15/16	.7480	H5	3	**EK30BLRB4002416**	Price	H3	3	**EK30GRB6002416**	Price
3/8-24	2-15/16	.7480	H4	3	**EK30BLRB4002424**	Price	H3	3	**EK30GRB6002424**	Price
7/16-14	3-5/32	.8660	H5	3	**EK30BLRB4002814**	Price	H3	3	**EK30GRB6002814**	Price
7/16-20	3-5/32	.8660	H5	3	**EK30BLRB4002820**	Price	H3	3	**EK30GRB6002820**	Price
1/2-13	3-3/8	.9840	H5	3	**EK30BLRB4003213**	Price	H3	3	**EK30GRB6003213**	Price
1/2-20	3-3/8	.9840	H5	3	**EK30BLRB4003220**	Price	H3	3	**EK30GRB6003220**	Price
9/16-12	3-19/32	.9840	H5	3	**EK30BLRB4002816**	Price	-	-	**-**	-
9/16-18	3-19/32	.9840	H5	3	**EK30BLRB4002822**	Price	-	-	**-**	-
5/8-11	3-13/16	1.0830	H5	3	**EK30BLRB4004011**	Price	H3	3	**EK30GRB6004011**	Price
5/8-18	3-13/16	1.0830	H5	3	**EK30BLRB4004018**	Price	H3	3	**EK30GRB6004018**	Price
3/4-10	4-1/4	1.2010	H5	3	**EK30BLRB4004810**	Price	H3	3	**EK30GRB6004810**	Price
3/4-16	4-1/4	1.2010	H5	3	**EK30BLRB4004816**	Price	H3	3	**EK30GRB6004816**	Price
7/8-9	4-11/16	1.339	H6	3	**EK30BLRB4005609**	Price	H4	3	**EK30GRB6005609**	Price
7/8-14	4-11/16	1.339	H6	3	**EK30BLRB4005614**	Price	H4	3	**EK30GRB6005614**	Price
1-8	5-1/8	1.5000	H6	3	**EK30BLRB4010008**	Price	H4	3	**EK30GRB6010008**	Price
1-12	5-1/8	1.5000	H6	3	**EK30BLRB4010012**	Price	-	-	**-**	-



Black Ring - High Vanadium Steel
For multi-purpose use in a wide variety of materials such as:
- Low carbon steel (>HRc 16)
- Medium to high carbon steel (>HRc 23)
- Free machining stainless steel (< HRc 23) and heat/corrosion stainless steel (>HRc 24)
- Stainless steel castings (> 38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass



Green Ring – High Vanadium Steel
For all types of aluminum such as:
- Pure aluminum
- Aluminum alloys

RAPIDKUT® Metric High Performance Spiral Point Taps

Bright Finish • Plug Style
Color Coded for Easy Identification



Blue Ring – High Vanadium Steel
For general purpose machining of:
- Low carbon steel (< HRc 16)<ParaStyle:Bullets>Medium to high carbon steel and low alloy steel (>HRc 23)
- Steel castings and forgings (> HRc 24)



Yellow Ring – High Vanadium Steel
For tough materials such as:
- Stainless steel (>HRc 23)
- Heat/corrosion resistant stainless steel (>HRc 24)
- Valve stainless steel (>HRc 38)
- Alloyed high carbon and tool steel



Black Ring - High Vanadium Steel
For multi-purpose use in a wide variety of materials such as:
- Low carbon steel (>HRc 16)
- Medium to high carbon steel (>HRc 23)
- Free machining stainless steel (< HRc 23) and heat/corrosion stainless steel (>HRc 24)
- Stainless steel castings (> 38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass



Red Ring – Powder Metallurgy HSS
For high tensile materials such as:
- Titanium (>HRc 38)
- Inconel, Waspaloy, Hastelloy and Monel (>HRc 38)
- Tool steels and nickel alloys
- High strength stainless steels

				General Purpose - Blue Band			Tough Material - Yellow Band			Multi-Purpose - Black Band			High Tensile - Red Band		
Size	Thread Limits	OAL (in.)	Thread Length	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price
M2x0.40	D3	1-15/16	.3130	2	EK30BRB3002040	Price	2	EK30YRB3002040	Price	-	-	-	-	-	-
M2.5x0.45	D3	1-15/16	.3130	2	EK30BRB3002545	Price	2	EK30YRB3002545	Price	-	-	-	-	-	-
M3x0.50	D3	1-15/16	.3740	2	EK30BRB3003050	Price	3	EK30YRB3003050	Price	3	EK30BLRB3003050	Price	3	EK30RRB3003050	Price
M3.5x0.60	D4	2	.4130	2	EK30BRB3003560	Price	3	EK30YRB3003560	Price	3	EK30BLRB3003560	Price	-	-	-
M4x0.70	D4	2-1/8	.4530	2	EK30BRB3004070	Price	3	EK30YRB3004070	Price	3	EK30BLRB3004070	Price	3	EK30RRB3004070	Price
M4.5x0.75	D4	2-3/8	.5000	2	EK30BRB3004575	Price	3	EK30YRB3004575	Price	-	-	-	-	-	-
M5x0.80	D4	2-3/8	.5310	2	EK30BRB3005080	Price	3	EK30YRB3005080	Price	3	EK30BLRB3005080	Price	3	EK30RRB3005080	Price
M6x1.0	D5	2-1/2	.5910	3	EK30BRB3006100	Price	3	EK30YRB3006100	Price	3	EK30BLRB3006100	Price	3	EK30RRB3006100	Price
M7x1.0	D5	2-21/32	.6690	-	-	-	-	-	-	3	EK30BLRB3007100	Price	-	-	-
M7x1.0	D5	2-23/32	.6690	3	EK30BRB3007100	Price	3	EK30YRB3007100	Price	-	-	-	-	-	-
M8x1.0	D5	2-21/32	.6690	-	-	-	-	-	-	3	EK30BLRB3008100	Price	-	-	-
M8x1.0	D5	2-23/32	.6690	3	EK30BRB3008100	Price	3	EK30YRB3008100	Price	-	-	-	-	-	-
M8x1.25	D5	2-21/32	.6690	-	-	-	-	-	-	3	EK30BLRB3008125	Price	3	EK30RRB3008125	Price
M8x1.25	D5	2-23/32	.6690	3	EK30BRB3008125	Price	3	EK30YRB3008125	Price	-	-	-	-	-	-
M10x1.25	D5	2-15/16	.7480	-	-	-	3	EK30YRB3010125	Price	-	-	-	3	EK30RRB3010125	Price
M10x1.25	D6	2-15/16	.7480	3	EK30BRB3010125	Price	-	-	-	3	EK30BLRB3010125	Price	-	-	-
M10x1.5	D5	2-15/16	.7480	-	-	-	-	-	-	3	EK30BLRB3010150	Price	-	-	-
M10x1.5	D6	2-15/16	.7480	3	EK30BRB3010150	Price	3	EK30YRB3010150	Price	-	-	-	3	EK30RRB3010150	Price
M12x1.25	D5	3-3/8	.9840	3	EK30BRB3012125	Price	3	EK30YRB3012125	Price	-	-	-	-	-	-
M12x1.25	D6	3-3/8	.9840	-	-	-	-	-	-	3	EK30BLRB3012125	Price	-	-	-
M12x1.75	D5	3-3/8	.9840	-	-	-	-	-	-	3	EK30BLRB3012175	Price	-	-	-
M12x1.75	D6	3-3/8	.9840	3	EK30BRB3012175	Price	3	EK30YRB3012175	Price	-	-	-	3	EK30RRB3012175	Price
M14x1.5	D6	3-19/32	.9840	3	EK30BRB3014150	Price	3	EK30YRB3014150	Price	-	-	-	-	-	-
M14x1.5	D7	3-19/32	.9840	-	-	-	-	-	-	3	EK30BLRB3014150	Price	-	-	-
M14x2.0	D6	3-19/32	.9840	-	-	-	-	-	-	3	EK30BLRB3014200	Price	-	-	-
M14x2.0	D7	3-19/32	.9840	3	EK30BRB3014200	Price	3	EK30YRB3014200	Price	-	-	-	-	-	-
M16x1.5	D6	3-13/16	1.0830	3	EK30BRB3016150	Price	3	EK30YRB3016150	Price	-	-	-	-	-	-
M16x1.5	D7	3-13/16	1.0830	-	-	-	-	-	-	3	EK30BLRB3016150	Price	-	-	-
M16x2.0	D6	3-13/16	1.0830	-	-	-	-	-	-	3	EK30BLRB3016200	Price	-	-	-
M16x2.0	D7	3-13/16	1.0830	3	EK30BRB3016200	Price	3	EK30YRB3016200	Price	-	-	-	-	-	-
M18x1.5	D6	4-1/32	1.0830	3	EK30BRB3018150	Price	3	EK30YRB3018150	Price	-	-	-	-	-	-
M18x1.5	D7	4-1/32	1.0830	-	-	-	-	-	-	3	EK30BLRB3018150	Price	-	-	-
M18x2.5	D6	4-1/32	1.0830	-	-	-	-	-	-	3	EK30BLRB3018250	Price	-	-	-
M18x2.5	D7	4-1/32	1.0830	3	EK30BRB3018250	Price	3	EK30YRB3018250	Price	-	-	-	-	-	-
M20x1.5	D5	4-15/32	1.2010	3	EK30BRB3020150	Price	3	EK30YRB3020150	Price	-	-	-	-	-	-
M20x1.5	D7	4-15/32	1.2010	-	-	-	-	-	-	3	EK30BLRB3020150	Price	-	-	-
M20x2.5	D6	4-15/32	1.2010	3	EK30BRB3020250	Price	3	EK30YRB3020250	Price	3	EK30BLRB3020250	Price	-	-	-
M22x1.5	D6	4-11/16	1.339	3	EK30BRB3022150	Price	3	EK30YRB3022150	Price	-	-	-	-	-	-
M22x1.5	D7	4-11/16	1.339	-	-	-	-	-	-	3	EK30BLRB3022150	Price	-	-	-
M22x2.5	D6	4-11/16	1.339	3	EK30BRB3022250	Price	3	EK30YRB3022250	Price	3	EK30BLRB3022250	Price	-	-	-
M24x1.5	D5	4-29/32	1.4960	3	EK30BRB3024150	Price	3	EK30YRB3024150	Price	-	-	-	-	-	-
M24x3.0	D7	4-29/32	1.4960	3	EK30BRB3024300	Price	3	EK30YRB3024300	Price	-	-	-	-	-	-
M24x3.0	D8	4-29/32	1.4960	-	-	-	-	-	-	3	EK30BLRB3024300	Price	-	-	-
M27x1.5	D7	5	1.5630	4	EK30BRB3027150	Price	-	-	-	-	-	-	-	-	-
M27x3.0	D7	5	1.5630	4	EK30BRB3027300	Price	-	-	-	-	-	-	-	-	-
M30x1.5	D6	5-7/16	1.8130	4	EK30BRB3030150	Price	-	-	-	-	-	-	-	-	-
M30x3.5	D7	5-7/16	1.8130	4	EK30BRB3030350	Price	-	-	-	-	-	-	-	-	-

DORMER Spiral Point Shark Taps



Blue Ring - For Stainless Steel
- Super-B TiAlN + WC/C coating with an additional edge treament

Yellow Ring - For Structural, Plain Carbon & Low Alloy Steels
- TiAlN - Top coating with an additional edge treatment

Red Ring - For Alloy Steels
- TiAlN - Top coating with an additional edge treatment

					Blue Band			Red Band			Yellow Band		
Size (in.)	Thread Limits	OAL (in.)	Thread Length	Thread Type	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price
4-40	H2	2.205	.354	UNC	3	DS047350278	Price	3	DS047350391	Price	3	DS047350469	Price
6-32	H2	2.205	.433	UNC	-	-	-	3	DS047350392	Price	3	DS047350470	Price
6-32	H3	2.205	.433	UNC	3	DS047350279	Price	-	-	-	-	-	-
8-32	H3	2.480	.512	UNC	3	DS047350280	Price	3	DS047350393	Price	3	DS047350471	Price
10-24	H3	2.756	.551	UNC	3	DS047350281	Price	3	DS047350394	Price	3	DS047350472	Price
10-32	H3	2.756	.551	UNF	3	DS047350299	Price	3	DS047350404	Price	3	DS047350482	Price
1/4-20	H3	3.150	.591	UNC	3	DS047350283	Price	-	-	-	-	-	-
1/4-20	H5	3.150	.591	UNC	3	DS047350282	Price	3	DS047350395	Price	3	DS047350473	Price
1/4-28	H3	3.150	.591	UNF	3	DS047350301	Price	-	-	-	-	-	-
1/4-28	H4	3.150	.591	UNF	-	-	-	3	DS047350405	Price	3	DS047350483	Price
1/4-28	H5	3.150	.591	UNF	3	DS047350300	Price	-	-	-	-	-	-
5/16-18	H3	3.543	.709	UNC	3	DS047350285	Price	-	-	-	-	-	-
5/16-18	H5	3.543	.709	UNC	3	DS047350284	Price	3	DS047350396	Price	3	DS047350474	Price
5/16-24	H3	3.543	.709	UNF	3	DS047350303	Price	-	-	-	-	-	-
5/16-24	H4	3.543	.709	UNF	3	DS047350302	Price	3	DS047350406	Price	3	DS047350484	Price
3/8-16	H3	3.937	.787	UNC	3	DS047350287	Price	-	-	-	-	-	-
3/8-16	H4	3.543	.787	UNC	-	-	-	3	DS047350397	Price	-	-	-
3/8-16	H4	3.937	.787	UNC	-	-	-	-	-	-	3	DS047350475	Price
3/8-16	H5	3.937	.787	UNC	3	DS047350286	Price	-	-	-	-	-	-
3/8-24	H3	3.543	.787	UNF	3	DS047350305	Price	-	-	-	-	-	-
3/8-24	H4	3.543	.787	UNF	3	DS047350304	Price	3	DS047350407	Price	3	DS047350485	Price
7/16-14	H5	3.937	.787	UNC	4	DS047350288	Price	3	DS047350398	Price	3	DS047350476	Price
7/16-20	H5	3.937	.787	UNF	4	DS047350306	Price	3	DS047350408	Price	3	DS047350486	Price
1/2-13	H3	4.331	.906	UNC	4	DS047350290	Price	-	-	-	-	-	-
1/2-13	H5	4.331	.906	UNC	4	DS047350289	Price	3	DS047350399	Price	3	DS047350477	Price
1/2-20	H3	3.937	.827	UNF	4	DS047350308	Price	-	-	-	-	-	-
1/2-20	H5	3.937	.827	UNF	4	DS047350307	Price	3	DS047350409	Price	3	DS047350487	Price
5/8-11	H3	4.331	.906	UNC	4	DS047350292	Price	-	-	-	-	-	-
5/8-11	H5	4.331	.906	UNC	4	DS047350291	Price	3	DS047350400	Price	3	DS047350478	Price
5/8-18	H3	3.937	.827	UNF	4	DS047350310	Price	-	-	-	-	-	-
5/8-18	H5	3.937	.827	UNF	4	DS047350309	Price	3	DS047350410	Price	3	DS047350488	Price
3/4-10	H3	4.921	1.181	UNC	4	DS047350294	Price	-	-	-	-	-	-
3/4-10	H5	4.921	1.181	UNC	4	DS047350293	Price	4	DS047350401	Price	3	DS047350479	Price
3/4-16	H3	4.331	.906	UNF	4	DS047350312	Price	-	-	-	-	-	-
3/4-16	H5	4.331	.906	UNF	4	DS047350311	Price	4	DS047350411	Price	3	DS047350489	Price
7/8-9	H4	5.512	1.339	UNC	4	DS047350296	Price	-	-	-	-	-	-
7/8-9	H6	5.512	1.339	UNC	4	DS047350295	Price	4	DS047350402	Price	4	DS047350480	Price
7/8-14	H4	4.921	.906	UNF	4	DS047350314	Price	-	-	-	-	-	-
7/8-14	H6	4.921	.906	UNF	4	DS047350313	Price	4	DS047350412	Price	4	DS047350490	Price
1-8	H4	6.299	1.417	UNC	4	DS047350298	Price	-	-	-	-	-	-
1-8	H6	6.299	1.417	UNC	4	DS047350297	Price	4	DS047350403	Price	4	DS047350481	Price
1-12	H4	5.512	1.063	UNF	4	DS047350316	Price	-	-	-	-	-	-
1-12	H6	5.512	1.063	UNF	4	DS047350315	Price	4	DS047350413	Price	4	DS047350491	Price

RAPIDKUT® High Performance Spiral Flute Taps

Bright Finish • Semi-Bottoming Style
Color Coded for Easy Identification



Blue Ring – High Vanadium Steel
For general purpose machining of:
- Low carbon steel (< HRc 16)<ParaStyle:Bullets>Medium to high carbon steel and low alloy steel (>HRc 23)
- Steel castings and forgings (> HRc 24)



Yellow Ring – High Vanadium Steel
For tough materials such as:
- Stainless steel (>HRc 23)
- Heat/corrosion resistant stainless steel (>HRc 24)
- Valve stainless steel (>HRc 38)
- Alloyed high carbon and tool steel



Red Ring – Powder Metallurgy HSS
For high tensile materials such as:
- Titanium (>HRc 38)
- Inconel, Waspaloy, Hastelloy and Monel (>HRc 38)
- Tool steels and nickel alloys
- High strength stainless steels

			General Purpose - Blue Band				Tough Material - Yellow Band				High Tensile - Red Band			
Size	OAL (in.)	Thread Length	Thread Limits	No. of Flutes	Order No.	Price	Thread Limits	No. of Flutes	Order No.	Price	Thread Limits	No. of Flutes	Order No.	Price
4-40	1-7/8	.2360	H2	2	EK30BRB2000440	Price	H2	2	EK30YRB2000440	Price	H2	3	EK30RRB2000440	Price
6-32	2	.2760	H3	2	EK30BRB2000632	Price	H3	3	EK30YRB2000632	Price	H3	3	EK30RRB2000632	Price
8-32	2-1/8	.2760	H3	3	EK30BRB2000832	Price	H3	3	EK30YRB2000832	Price	H3	3	EK30RRB2000832	Price
10-24	2-3/8	.3540	H3	3	EK30BRB2001024	Price	H3	3	EK30YRB2001024	Price	H3	3	EK30RRB2001024	Price
10-32	2-3/8	.2760	H3	3	EK30BRB2001032	Price	H3	3	EK30YRB2001032	Price	H3	3	EK30RRB2001032	Price
1/4-20	2-1/2	.4330	H3	3	EK30BRB2001620	Price	H3	3	EK30YRB2001620	Price	H3	3	EK30RRB2001620	Price
1/4-28	2-1/2	.3540	H3	3	EK30BRB2001628	Price	H3	3	EK30YRB2001628	Price	H3	3	EK30RRB2001628	Price
5/16-18	2-23/32	.4720	H3	3	EK30BRB2002018	Price	H3	3	EK30YRB2002018	Price	H3	3	EK30RRB2002018	Price
5/16-24	2-23/32	.3940	H3	3	EK30BRB2002024	Price	H3	3	EK30YRB2002024	Price	H3	3	EK30RRB2002024	Price

(continued to next page)

RAPIDKUT® High Performance Spiral Flute Taps (cont.)





			General Purpose - Blue Band				Tough Material - Yellow Band				High Tensile - Red Band			
Size	OAL (in.)	Thread Length	Thread Limits	No. of Flutes	Order No.	Price	Thread Limits	No. of Flutes	Order No.	Price	Thread Limits	No. of Flutes	Order No.	Price
3/8-16	2-15/16	.5510	H3	3	**EK30BRB2002416**	Price	H3	3	**EK30YRB2002416**	Price	H3	3	**EK30RRB2002416**	Price
3/8-24	2-15/16	.3940	H3	3	**EK30BRB2002424**	Price	H3	3	**EK30YRB2002424**	Price	H3	3	**EK30RRB2002424**	Price
7/16-14	3-5/32	.5910	H3	3	**EK30BRB2002814**	Price	H3	3	**EK30YRB2002814**	Price	H3	3	**EK30RRB2002814**	Price
7/16-20	3-5/32	.4720	-	-	**-**	-	-	-	**-**	-	H3	3	**EK30RRB2002820**	Price
1/2-13	3-3/8	.6300	H3	3	**EK30BRB2003213**	Price	H3	3	**EK30YRB2003213**	Price	H3	3	**EK30RRB2003213**	Price
1/2-20	3-3/8	.6300	H3	3	**EK30BRB2003220**	Price	H3	3	**EK30YRB2003220**	Price	H3	3	**EK30RRB2003220**	Price
5/8-11	3-13/16	.7480	H3	4	**EK30BRB2004011**	Price	H3	4	**EK30YRB2004011**	Price	H3	4	**EK30RRB2004011**	Price
5/8-18	3-13/16	.5120	H3	4	**EK30BRB2004018**	Price	H3	4	**EK30YRB2004018**	Price	H3	4	**EK30RRB2004018**	Price
3/4-10	4-1/4	.8270	H3	4	**EK30BRB2004810**	Price	H3	4	**EK30YRB2004810**	Price	H3	4	**EK30RRB2004810**	Price
3/4-16	4-1/4	.5910	H3	4	**EK30BRB2004816**	Price	H3	4	**EK30YRB2004816**	Price	H3	4	**EK30RRB2004816**	Price
7/8-9	4-11/16	.8270	H4	4	**EK30BRB2005609**	Price	H4	4	**EK30YRB2005609**	Price	-	-	**-**	-
7/8-14	4-11/16	.7090	H4	4	**EK30BRB2005614**	Price	H4	4	**EK30YRB2005614**	Price	-	-	**-**	-
1-8	5-1/8	.9840	H4	4	**EK30BRB2010008**	Price	H4	4	**EK30YRB2010008**	Price	-	-	**-**	-
1-12	5-1/8	.7090	-	-	**-**	-	H4	4	**EK30YRB2010012**	Price	-	-	**-**	-
1-1/8-7	5-7/16	.9840	H4	4	**EK30BRB2010807**	Price	H4	4	**EK30YRB2010807**	Price	-	-	**-**	-
1-1/8-12	5-7/16	.9840	-	-	**-**	-	H4	4	**EK30YRB2010812**	Price	-	-	**-**	-
1-1/4-7	5-3/4	.9840	H4	4	**EK30BRB2011607**	Price	H4	4	**EK30YRB2011607**	Price	-	-	**-**	-
1-1/4-12	5-3/4	.9840	-	-	**-**	-	H4	4	**EK30YRB2011612**	Price	-	-	**-**	-
1-3/8-6	5-3/4	1.1150	H4	4	**EK30BRB2012406**	Price	H4	4	**EK30YRB2012406**	Price	-	-	**-**	-
1-3/8-12	5-3/4	1.1150	-	-	**-**	-	H4	4	**EK30YRB2012412**	Price	-	-	**-**	-
1-1/2-6	6-3/8	1.3500	H4	4	**EK30BRB2013206**	Price	H4	4	**EK30YRB2013206**	Price	-	-	**-**	-
1-1/2-12	6-3/8	1.3500	-	-	**-**	-	H4	4	**EK30YRB2013212**	Price	-	-	**-**	-

Black Ring - High Vanadium Steel
For multi-purpose use in a wide variety of materials such as:



- Low carbon steel (>HRc 16)
- Medium to high carbon steel (>HRc 23)
- Free machining stainless steel (< HRc 23) and heat/corrosion stainless steel (>HRc 24)
- Stainless steel castings (> 38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass

Green Ring – High Vanadium Steel
For all types of aluminum such as:



- Pure aluminum
- Aluminum alloys
- Aluminum alloy castings

			Multi-Purpose - Black Band				Aluminum - Green Band			
Size	OAL (in.)	Thread Length	Thread Limits	No. of Flutes	Order No.	Price	Thread Limits	No. of Flutes	Order No.	Price
4-40	1-7/8	.2360	H2	2	**EK30BLRB1000440**	Price	H2	2	**EK30GRB5000440**	Price
4-48	1-7/8	.2360	H2	2	**EK30BLRB1000448**	Price	-	-	**-**	-
5-40	1-15/16	.2360	H2	3	**EK30BLRB1000540**	Price	-	-	**-**	-
5-44	1-15/16	.2360	H2	3	**EK30BLRB1000544**	Price	-	-	**-**	-
6-32	2	.2760	H3	3	**EK30BLRB1000632**	Price	H3	2	**EK30GRB5000632**	Price
6-40	2	.2760	H2	3	**EK30BLRB1000640**	Price	-	-	**-**	-
8-32	2-1/8	.2760	H3	3	**EK30BLRB1000832**	Price	H3	2	**EK30GRB5000832**	Price
8-36	2-1/8	.2760	H2	3	**EK30BLRB1000836**	Price	-	-	**-**	-
10-24	2-3/8	.3540	H3	3	**EK30BLRB1001024**	Price	H3	2	**EK30GRB5001024**	Price
10-32	2-3/8	.2760	H3	3	**EK30BLRB1001032**	Price	H3	2	**EK30GRB5001032**	Price
12-24	2-3/8	.3540	H3	3	**EK30BLRB1001224**	Price	-	-	**-**	-
12-28	2-3/8	.2760	H3	3	**EK30BLRB1001228**	Price	-	-	**-**	-
1/4-20	2-1/2	.4330	H5	3	**EK30BLRB1001620**	Price	H3	2	**EK30GRB5001620**	Price
1/4-28	2-1/2	.3540	H4	3	**EK30BLRB1001628**	Price	H3	2	**EK30GRB5001628**	Price
5/16-18	2-23/32	.4720	H5	3	**EK30BLRB1002018**	Price	H3	2	**EK30GRB5002018**	Price
5/16-24	2-23/32	.3940	H4	3	**EK30BLRB1002024**	Price	H3	2	**EK30GRB5002024**	Price
3/8-16	2-15/16	.5510	H5	3	**EK30BLRB1002416**	Price	H3	2	**EK30GRB5002416**	Price
3/8-24	2-15/16	.3940	H4	3	**EK30BLRB1002424**	Price	H3	2	**EK30GRB5002424**	Price
7/16-14	3-5/32	.5910	H5	3	**EK30BLRB1002814**	Price	-	-	**-**	-
7/16-20	3-5/32	.4720	H5	3	**EK30BLRB1002820**	Price	-	-	**-**	-
1/2-13	3-3/8	.6300	H5	3	**EK30BLRB1003213**	Price	H3	2	**EK30GRB5003213**	Price
1/2-20	3-3/8	.6300	H5	3	**EK30BLRB1003220**	Price	H3	2	**EK30GRB5003220**	Price
9/16-12	3-19/32	.7090	H5	3	**EK30BLRB1002816**	Price	-	-	**-**	-
9/16-18	3-19/32	.5120	H5	3	**EK30BLRB1002822**	Price	-	-	**-**	-
5/8-11	3-13/16	.7480	H5	4	**EK30BLRB1004011**	Price	H3	3	**EK30GRB5004011**	Price
5/8-18	3-13/16	.5120	H5	4	**EK30BLRB1004018**	Price	H3	3	**EK30GRB5004018**	Price
3/4-10	4-1/4	.8270	H5	4	**EK30BLRB1004810**	Price	H3	3	**EK30GRB5004810**	Price
3/4-16	4-1/4	.5910	H5	4	**EK30BLRB1004816**	Price	H3	3	**EK30GRB5004816**	Price
7/8-9	4-11/16	.8270	H6	4	**EK30BLRB1005609**	Price	H4	3	**EK30GRB5005609**	Price
7/8-14	4-11/16	.7090	H6	4	**EK30BLRB1005614**	Price	H4	3	**EK30GRB5005614**	Price
1-8	5-1/8	.9840	H6	4	**EK30BLRB1010008**	Price	H4	3	**EK30GRB5010008**	Price
1-12	5-1/8	.7090	H6	4	**EK30BLRB1010012**	Price	-	-	**-**	-

RAPIDKUT® Metric High Performance Spiral Flute Taps

Bright Finish • Semi-Bottoming Style
Color Coded for Easy Identification



Blue Ring – High Vanadium Steel
For general purpose machining of:
- Low carbon steel (< HRc 16)<ParaStyle:Bullets>Medium to high carbon steel and low alloy steel (>HRc 23)
- Steel castings and forgings (> HRc 24)



Yellow Ring – High Vanadium Steel
For tough materials such as:
- Stainless steel (>HRc 23)
- Heat/corrosion resistant stainless steel (>HRc 24)
- Valve stainless steel (>HRc 38)
- Alloyed high carbon and tool steel



Red Ring – Powder Metallurgy HSS
For high tensile materials such as:
- Titanium (>HRc 38)
- Inconel, Waspaloy, Hastelloy and Monel (>HRc 38)
- Tool steels and nickel alloys
- High strength stainless steels



Black Ring - High Vanadium Steel
For multi-purpose use in a wide variety of materials such as:
- Low carbon steel (>HRc 16)
- Medium to high carbon steel (>HRc 23)
- Free machining stainless steel (< HRc 23) and heat/corrosion stainless steel (>HRc 24)
- Stainless steel castings (> 38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass

				General Purpose - Blue Band			Tough Material - Yellow Band			High Tensile - Red Band			Multi-Purpose - Black Band		
Size	Thread Limits	OAL (in.)	Thread Length	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price
M3x0.50	D3	1-15/16	.1970	2	EK30BRB4003050	Price	3	EK30YRB4003050	Price	3	EK30RRB4003050	Price	3	EK30BLRB2500305	Price
M3.5x0.60	D4	2	.2760	2	EK30BRB4003560	Price	3	EK30YRB4003560	Price	-	-	-	3	EK30BLRB2500356	Price
M4x0.70	D4	2-1/8	.2760	3	EK30BRB4004070	Price	3	EK30YRB4004070	Price	3	EK30RRB4004070	Price	3	EK30BLRB2500407	Price
M5x0.80	D4	2-3/8	.3540	3	EK30BRB4005080	Price	3	EK30YRB4005080	Price	3	EK30RRB4005080	Price	3	EK30BLRB2500508	Price
M6x1.0	D5	2-1/2	.4330	3	EK30BRB4006100	Price	3	EK30YRB4006100	Price	3	EK30RRB4006100	Price	3	EK30BLRB2500610	Price
M7x1.0	D5	2-23/32	.4330	3	EK30BRB4007100	Price	3	EK30YRB4007100	Price	-	-	-	3	EK30BLRB2500710	Price
M8x1.0	D5	2-23/32	.4720	3	EK30BRB4008100	Price	3	EK30YRB4008100	Price	-	-	-	3	EK30BLRB2500810	Price
M8x1.25	D5	2-23/32	.4720	3	EK30BRB4008125	Price	3	EK30YRB4008125	Price	3	EK30RRB4008125	Price	3	EK30BLRB2500812	Price
M10x1.25	D5	2-15/16	.5120	3	EK30BRB4010125	Price	3	EK30YRB4010125	Price	3	EK30RRB4010125	Price	-	-	-
M10x1.25	D6	2-15/16	.5120	-	-	-	-	-	-	-	-	-	3	EK30BLRB2501012	Price
M10x1.5	D5	2-15/16	.5120	-	-	-	-	-	-	-	-	-	3	EK30BLRB2501015	Price
M10x1.5	D6	2-15/16	.5120	3	EK30BRB4010150	Price	3	EK30YRB4010150	Price	3	EK30RRB4010150	Price	-	-	-
M12x1.25	D5	3-3/8	.5910	3	EK30BRB4012125	Price	3	EK30YRB4012125	Price	-	-	-	-	-	-
M12x1.25	D6	3-3/8	.5910	-	-	-	-	-	-	-	-	-	3	EK30BLRB2501212	Price
M12x1.75	D5	3-3/8	.5910	-	-	-	-	-	-	-	-	-	3	EK30BLRB2501217	Price
M12x1.75	D6	3-3/8	.5910	3	EK30BRB4012175	Price	3	EK30YRB4012175	Price	3	EK30RRB4012175	Price	-	-	-
M14x1.5	D6	3-19/32	.5510	3	EK30BRB4014150	Price	3	EK30YRB4014150	Price	-	-	-	-	-	-
M14x1.5	D7	3-19/32	.7090	-	-	-	-	-	-	-	-	-	3	EK30BLRB2501415	Price
M14x2.0	D6	3-19/32	.5510	-	-	-	-	-	-	-	-	-	3	EK30BLRB2501420	Price
M14x2.0	D7	3-19/32	.7090	3	EK30BRB4014200	Price	3	EK30YRB4014200	Price	-	-	-	-	-	-
M16x1.5	D6	3-13/16	.5510	3	EK30BRB4016150	Price	3	EK30YRB4016150	Price	-	-	-	-	-	-
M16x1.5	D7	3-13/16	.7090	-	-	-	-	-	-	-	-	-	3	EK30BLRB2501615	Price
M16x2.0	D6	3-13/16	.5510	-	-	-	-	-	-	-	-	-	3	EK30BLRB2501620	Price
M16x2.0	D7	3-13/16	.7090	3	EK30BRB4016200	Price	3	EK30YRB4016200	Price	-	-	-	-	-	-
M18x1.5	D6	4-1/32	.5510	4	EK30BRB4018150	Price	4	EK30YRB4018150	Price	-	-	-	-	-	-
M18x1.5	D7	4-1/32	.7880	-	-	-	-	-	-	-	-	-	4	EK30BLRB2501815	Price
M18x2.5	D6	4-1/32	.5510	-	-	-	-	-	-	-	-	-	4	EK30BLRB2501825	Price
M18x2.5	D7	4-1/32	.7870	4	EK30BRB4018250	Price	4	EK30YRB4018250	Price	-	-	-	-	-	-
M20x1.5	D5	4-15/32	.5510	4	EK30BRB4020150	Price	4	EK30YRB4020150	Price	-	-	-	-	-	-
M20x2.5	D6	4-15/32	.5520	-	-	-	-	-	-	-	-	-	4	EK30BLRB2502025	Price
M20x2.5	D6	4-15/32	.7880	4	EK30BRB4020250	Price	4	EK30YRB4020250	Price	-	-	-	-	-	-
M20x1.5	D7	4-15/32	.7880	-	-	-	-	-	-	-	-	-	4	EK30BLRB2502015	Price
M22x1.5	D6	4-11/16	.5510	3	EK30BRB4022150	Price	4	EK30YRB4022150	Price	-	-	-	-	-	-
M22x1.5	D7	4-11/16	.7870	-	-	-	-	-	-	-	-	-	4	EK30BLRB2502215	Price
M22x2.5	D6	4-11/16	.5510	-	-	-	-	-	-	-	-	-	4	EK30BLRB2502225	Price
M22x2.5	D6	4-11/16	.7870	4	EK30BRB4022250	Price	4	EK30YRB4022250	Price	-	-	-	-	-	-
M24x3.0	D8	4-29/32	1.5000	-	-	-	-	-	-	-	-	-	4	EK30BLRB2502430	Price
M24x1.5	D5	4-29/32	.7870	4	EK30BRB4024150	Price	-	-	-	-	-	-	-	-	-
M24x3.0	D7	4-29/32	1.5000	4	EK30BRB4024300	Price	4	EK30YRB4024300	Price	-	-	-	-	-	-
M27x3.0	D7	5-1/8	1.5000	4	EK30BRB4027300	Price	-	-	-	-	-	-	-	-	-
M30x3.5	D7	5-1/2	1.7500	4	EK30BRB4030350	Price	-	-	-	-	-	-	-	-	-
M30x1.5	D7	5-1/2	1.7500	4	EK30BRB4030150	Price	-	-	-	-	-	-	-	-	-

DORMER Spiral Flute Shark Taps

Blue Ring - For Stainless Steel
- Super-B TiAlN + WC/C coating with an additional edge treament
- 40° angle for blind holes

Yellow Ring - For Structural, Plain Carbon & Low Alloy Steels
- TiAlN - Top coating with an additional edge treatment
- 45° angle for blind holes
- Prevents nest formation of chips, reducing the risk of re-cutting chips on reversal

Red Ring - For Alloy Steels
- TiAlN - Top coating with an additional edge treatment
- 45° angle for blind holes
- Prevents nest formation of chips, reducing the risk of re-cutting chips on reversal
- Back tapered reducing chipping on the last threads of the taps and also reducing torque when the tap reverses







					Blue Band			Red Band			Yellow Band		
Size (in.)	Thread Limits	OAl (in.)	Thread Length	Thread Type	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price
4-40	H2	2.205	.256	UNC	3	**DS047350335**	Price	3	**DS047350430**	Price	3	**DS047350510**	Price
6-32	H2	2.205	.256	UNC	-	**-**	-	3	**DS047350431**	Price	3	**DS047350511**	Price
6-32	H3	2.205	.256	UNC	3	**DS047350336**	Price	-	**-**	-	-	**-**	-
8-32	H3	2.480	.276	UNC	3	**DS047350337**	Price	3	**DS047350432**	Price	3	**DS047350512**	Price
10-24	H3	2.756	.315	UNC	3	**DS047350338**	Price	3	**DS047350433**	Price	3	**DS047350513**	Price
10-32	H3	2.756	.315	UNF	3	**DS047350356**	Price	3	**DS047350443**	Price	3	**DS047350523**	Price
1/4-20	H3	3.150	.394	UNC	3	**DS047350340**	Price	-	**-**	-	-	**-**	-
1/4-20	H5	3.150	.394	UNC	3	**DS047350339**	Price	3	**DS047350434**	Price	3	**DS047350514**	Price
1/4-28	H3	3.150	.394	UNF	3	**DS047350358**	Price	-	**-**	-	-	**-**	-
1/4-28	H4	3.150	.394	UNF	-	**-**	-	3	**DS047350444**	Price	3	**DS047350524**	Price
1/4-28	H5	3.150	.394	UNF	3	**DS047350357**	Price	-	**-**	-	-	**-**	-
5/16-18	H3	3.543	.472	UNC	3	**DS047350342**	Price	-	**-**	-	-	**-**	-
5/16-18	H5	3.543	.472	UNC	3	**DS047350341**	Price	3	**DS047350435**	Price	3	**DS047350515**	Price
5/16-24	H3	3.543	.472	UNF	3	**DS047350360**	Price	-	**-**	-	-	**-**	-
5/16-24	H4	3.543	.472	UNF	3	**DS047350359**	Price	3	**DS047350445**	Price	3	**DS047350525**	Price
3/8-16	H3	3.937	.591	UNC	3	**DS047350344**	Price	-	**-**	-	-	**-**	-
3/8-16	H4	3.937	.591	UNC	-	**-**	-	3	**DS047350436**	Price	3	**DS047350516**	Price
3/8-16	H5	3.937	.591	UNC	3	**DS047350343**	Price	-	**-**	-	-	**-**	-
3/8-24	H3	3.543	.591	UNF	3	**DS047350362**	Price	-	**-**	-	-	**-**	-
3/8-24	H4	3.543	.591	UNF	3	**DS047350361**	Price	3	**DS047350446**	Price	3	**DS047350526**	Price
7/16-14	H5	3.937	.591	UNC	4	**DS047350345**	Price	3	**DS047350437**	Price	3	**DS047350517**	Price
7/16-20	H5	3.937	.591	UNF	4	**DS047350363**	Price	3	**DS047350447**	Price	3	**DS047350527**	Price
1/2-13	H3	4.331	.709	UNC	4	**DS047350347**	Price	-	**-**	-	-	**-**	-
1/2-13	H5	4.331	.709	UNC	4	**DS047350346**	Price	3	**DS047350438**	Price	3	**DS047350518**	Price
1/2-20	H3	3.937	.709	UNF	4	**DS047350365**	Price	-	**-**	-	-	**-**	-
1/2-20	H5	3.937	.709	UNF	4	**DS047350364**	Price	3	**DS047350448**	Price	3	**DS047350528**	Price
5/8-11	H3	4.331	.787	UNC	4	**DS047350349**	Price	-	**-**	-	-	**-**	-
5/8-11	H5	4.331	.787	UNC	4	**DS047350348**	Price	4	**DS047350439**	Price	4	**DS047350519**	Price
5/8-18	H3	3.937	.591	UNF	4	**DS047350367**	Price	-	**-**	-	-	**-**	-
5/8-18	H5	3.937	.591	UNF	4	**DS047350366**	Price	4	**DS047350449**	Price	4	**DS047350529**	Price
3/4-10	H3	4.921	.984	UNC	4	**DS047350351**	Price	-	**-**	-	-	**-**	-
3/4-10	H5	4.921	.984	UNC	4	**DS047350350**	Price	4	**DS047350440**	Price	4	**DS047350520**	Price
3/4-16	H3	4.331	.984	UNF	4	**DS047350369**	Price	-	**-**	-	-	**-**	-
3/4-16	H5	4.331	.984	UNF	4	**DS047350368**	Price	4	**DS047350450**	Price	4	**DS047350530**	Price
7/8-9	H4	5.512	.984	UNC	4	**DS047350353**	Price	-	**-**	-	-	**-**	-
7/8-9	H6	5.512	.984	UNC	4	**DS047350352**	Price	4	**DS047350441**	Price	4	**DS047350521**	Price
7/8-14	H4	4.921	.984	UNF	4	**DS047350371**	Price	-	**-**	-	-	**-**	-
7/8-14	H6	4.921	.984	UNF	4	**DS047350370**	Price	4	**DS047350451**	Price	4	**DS047350531**	Price
1-8	H4	6.299	1.181	UNC	4	**DS047350355**	Price	-	**-**	-	-	**-**	-
1-8	H6	6.299	1.181	UNC	4	**DS047350354**	Price	4	**DS047350442**	Price	4	**DS047350522**	Price
1-12	H4	5.512	1.063	UNF	4	**DS047350373**	Price	-	**-**	-	-	**-**	-
1-12	H6	5.512	1.063	UNF	4	**DS047350372**	Price	4	**DS047350452**	Price	4	**DS047350532**	Price

RAPIDKUT® High Performance Spiral Point Taps

Steam Oxide • Plug Style • Color Coded for Easy Indentification



Blue Band - for General Ductile Materials
Designed for high speed tapping applications. Developed to withstand the high stress and high heat associated with high speed CNC production tapping.
- Used in general machine tapping applications for mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065
- Up to 25 HRC



Red Band-for High Tensile Materials
Powdered metal taps offer superior toughness, lubricity and are made of super hard powder high speed steel.
- Used for heat resistant materials, high strength stainless stel and titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloys
- Up to 48 HRC



Yellow Band -for Tough Materials
Designed for high speed tapping applications. Developed to withstand the high stress and high heat associated with high speed CNC production tapping.
- Superior performance in hardened tool steels such as 4140, 4340, H13, D2, and a new variety of stainless steels
- Up to 35HRC

			General Purpose - Blue Band				High Tensile - Red Band				Tough Material - Yellow Band			
Size	Thread Limits	OAL (in.)	No. of Flutes	Thread Length	Order No.	Price	No. of Flutes	Thread Length	Order No.	Price	No. of Flutes	Thread Length	Order No.	Price
4-40	H2	1-7/8	2	.3130	**ER80B1000440**	Price	2	.3350	**ER80R1000440**	Price	2	.3350	**ER80Y1000440**	Price
5-40	H2	1-15/16	-	-	**-**	-	3	.3740	**ER80R1000540**	Price	-	-	**-**	-
6-32	H3	2	2	.3750	**ER80B1000632**	Price	3	.4130	**ER80R1000632**	Price	3	.4130	**ER80Y1000632**	Price
6-40	H2	2	2	.3750	**ER80B1000640**	Price	-	-	**-**	-	3	.4130	**ER80Y1000640**	Price
8-32	H3	2-1/8	3	.3750	**ER80B1000832**	Price	3	.4530	**ER80R1000832**	Price	3	.4530	**ER80Y1000832**	Price
10-24	H3	2-3/8	2	.5000	**ER80B1001024**	Price	3	.5310	**ER80R1001024**	Price	3	.5310	**ER80Y1001024**	Price
10-32	H3	2-3/8	2	.5000	**ER80B1001032**	Price	2	.5310	**ER80R1001032**	Price	3	.5310	**ER80Y1001032**	Price
12-24	H3	2-3/8	3	.5000	**ER80B1001224**	Price	-	-	**-**	-	3	.5310	**ER80Y1001224**	Price
1/4-20	H3	2-1/2	2	.6250	**ER80B1001620**	Price	3	.5910	**ER80R1001620**	Price	3	.5910	**ER80Y1001620**	Price
1/4-28	H3	2-1/2	3	.6250	**ER80B1001628**	Price	3	.5910	**ER80R1001628**	Price	3	.5910	**ER80Y1001628**	Price
5/16-18	H3	2-23/32	3	.6880	**ER80B1002018**	Price	3	.6690	**ER80R1002018**	Price	3	.6690	**ER80Y1002018**	Price
5/16-24	H3	2-23/32	3	.6880	**ER80B1002024**	Price	3	.6690	**ER80R1002024**	Price	3	.6690	**ER80Y1002024**	Price
3/8-16	H3	2-15/16	3	.7500	**ER80B1002416**	Price	3	.7480	**ER80R1002416**	Price	3	.7480	**ER80Y1002416**	Price
3/8-24	H3	2-15/16	3	.7500	**ER80B1002424**	Price	3	.7480	**ER80R1002424**	Price	3	.7480	**ER80Y1002424**	Price
7/16-14	H3	3-5/32	3	.8750	**ER80B1002814**	Price	3	.8660	**ER80R1002814**	Price	3	.8660	**ER80Y1002814**	Price
7/16-20	H3	3-5/32	3	.8750	**ER80B1002820**	Price	3	.8660	**ER80R1002820**	Price	3	.8660	**ER80Y1002820**	Price
1/2-13	H3	3-3/8	3	.9380	**ER80B1003213**	Price	3	.9840	**ER80R1003213**	Price	3	.9840	**ER80Y1003213**	Price
1/2-20	H3	3-3/8	3	.9380	**ER80B1003220**	Price	3	.9840	**ER80R1003220**	Price	3	.9840	**ER80Y1003220**	Price
5/8-11	H3	3-13/16	3	1.0940	**ER80B1004011**	Price	3	1.0830	**ER80R1004011**	Price	3	1.0830	**ER80Y1004011**	Price
5/8-18	H3	3-13/16	3	1.0940	**ER80B1004018**	Price	3	1.0830	**ER80R1004018**	Price	3	1.0830	**ER80Y1004018**	Price
3/4-10	H3	4-1/4	3	1.2190	**ER80B1004810**	Price	3	1.2010	**ER80R1004810**	Price	3	1.2010	**ER80Y1004810**	Price
3/4-16	H3	4-1/4	3	1.2190	**ER80B1004816**	Price	3	1.2010	**ER80R1004816**	Price	3	1.2010	**ER80Y1004816**	Price
7/8-9	H4	4-11/16	3	1.3440	**ER80B1005609**	Price	-	-	**-**	-	3	1.3390	**ER80Y1005609**	Price
7/8-14	H4	4-11/16	3	1.3440	**ER80B1005614**	Price	-	-	**-**	-	3	1.3390	**ER80Y1005614**	Price
1-8	H4	5-1/8	3	1.5000	**ER80B1010008**	Price	-	-	**-**	-	3	1.4960	**ER80Y1010008**	Price
1-12	H4	5-1/8	3	1.5000	**ER80B1010012**	Price	-	-	**-**	-	3	1.4960	**ER80Y1010012**	Price
1-1/8-7	H4	5-7/16	4	1.6100	**ER80B1010807**	Price	-	-	**-**	-	4	1.6100	**ER80Y1010807**	Price
1-1/8-12	H4	5-7/16	3	1.6100	**ER80B1010812**	Price	-	-	**-**	-	3	1.6100	**ER80Y1010812**	Price
1-1/4-12	H4	5-3/4	3	1.6100	**ER80B1011612**	Price	-	-	**-**	-	3	1.6100	**ER80Y1011612**	Price
1-1/4-7	H4	5-3/4	4	1.6100	**ER80B1011607**	Price	-	-	**-**	-	4	1.6100	**ER80Y1011607**	Price
1-3/8-6	H4	6-1/16	4	1.9000	**ER80B1012406**	Price	-	-	**-**	-	4	1.9000	**ER80Y1012406**	Price
1-3/8-12	H4	6-1/16	3	1.9000	**ER80B1012412**	Price	-	-	**-**	-	3	1.9000	**ER80Y1012412**	Price
1-1/2-6	H4	6-3/8	4	2.0000	**ER80B1013206**	Price	-	-	**-**	-	4	2.0000	**ER80Y1013206**	Price
1-1/2-12	H4	6-3/8	3	2.0000	**ER80B1013212**	Price	-	-	**-**	-	3	2.0000	**ER80Y1013212**	Price

RAPIDKUT® High Performance Spiral Flute Taps

Steam Oxide • Semi-Bottoming • Color Coded for Easy Indentification



Blue Band - for General Ductile Materials
Designed for high speed tapping applications. Developed to withstand the high stress and high heat associated with high speed CNC production tapping.

- Used in general machine tapping applications for mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065
- Up to 25 HRC



Red Band - for High Tensile Materials
Powdered Metal taps offer superior toughness, lubricity and are made of super hard powder high speed steel.

- Used for heat resistant materials, high strength stainless steel and titanium alloys as well as other high tensil steels and alloys including tool steel and nickel alloys
- Up to 48 HRC



Yellow Band - for Tough Materials
Designed for high speed tapping applications. Developed to withstand the high stress and high heat associated with high speed CNC production tapping.

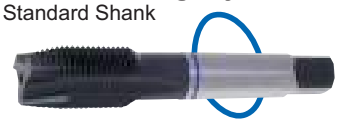
- Superior performance in hardened tool steels such as 4140, 4340, H13, D2, and a new variety of stainless steels
- Up to 35 HRC

			General Purpose - Blue Band				High Tensile - Red Band				Tough Material - Yellow Band			
Size	Thread Limits	OAL (in.)	No. of Flutes	Thread Length	Order No.	Price	No. of Flutes	Thread Length	Order No.	Price	No. of Flutes	Thread Length	Order No.	Price
4-40	H2	1-7/8	2	.3130	**ER80B2000440**	Price	3	.2360	**ER80R2000440**	Price	2	.2360	**ER80Y2000440**	Price
6-32	H3	2	2	.3750	**ER80B2000632**	Price	3	.2760	**ER80R2000632**	Price	3	.2760	**ER80Y2000632**	Price
8-32	H3	2-1/8	3	.3750	**ER80B2000832**	Price	3	.2760	**ER80R2000832**	Price	3	.276	**ER80Y2000832**	Price
10-24	H3	2-3/8	3	.5000	**ER80B2001024**	Price	3	.3540	**ER80R2001024**	Price	3	.3540	**ER80Y2001024**	Price
10-32	H3	2-3/8	3	.5000	**ER80B2001032**	Price	3	.2760	**ER80R2001032**	Price	3	.2760	**ER80Y2001032**	Price
1/4-20	H3	2-1/2	3	.6250	**ER80B2001620**	Price	3	.4330	**ER80R2001620**	Price	3	.4330	**ER80Y2001620**	Price
1/4-28	H3	2-1/2	3	.6250	**ER80B2001628**	Price	3	.4330	**ER80R2001628**	Price	3	.4330	**ER80Y2001628**	Price
5/16-18	H3	2-23/32	3	.6880	**ER80B2002018**	Price	3	.4720	**ER80R2002018**	Price	3	.4720	**ER80Y2002018**	Price
5/16-24	H3	2-23/32	3	.6880	**ER80B2002024**	Price	3	.4720	**ER80R2002024**	Price	3	.4720	**ER80Y2002024**	Price
3/8-16	H3	2-15/16	3	.7500	**ER80B2002416**	Price	3	.5510	**ER80R2002416**	Price	3	.5510	**ER80Y2002416**	Price
3/8-24	H3	2-15/16	3	.7500	**ER80B2002424**	Price	3	.5510	**ER80R2002424**	Price	3	.5510	**ER80Y2002424**	Price
7/16-14	H3	3-5/32	3	.8750	**ER80B2002814**	Price	3	.5910	**ER80R2002814**	Price	3	.5910	**ER80Y2002814**	Price
7/16-20	H3	3-5/32	-	-	**-**	-	3	.4720	**ER80R2002820**	Price	-	-	**-**	-
1/2-13	H3	3-3/8	3	.9380	**ER80B2003213**	Price	3	.6300	**ER80R2003213**	Price	3	.6300	**ER80Y2003213**	Price
1/2-20	H3	3-3/8	3	.9380	**ER80B2003220**	Price	3	.6300	**ER80R2003220**	Price	3	.6300	**ER80Y2003220**	Price
5/8-11	H3	3-13/16	4	1.0940	**ER80B2004011**	Price	4	.7480	**ER80R2004011**	Price	4	.7480	**ER80Y2004011**	Price
5/8-18	H3	3-13/16	4	1.0940	**ER80B2004018**	Price	4	.5720	**ER80R2004018**	Price	4	.5720	**ER80Y2004018**	Price
3/4-10	H3	4-1/4	4	1.2190	**ER80B2004810**	Price	4	.8270	**ER80R2004810**	Price	4	.8270	**ER80Y2004810**	Price
3/4-16	H3	4-1/4	4	1.2190	**ER80B2004816**	Price	4	.5910	**ER80R2004816**	Price	4	.5910	**ER80Y2004816**	Price
7/8-9	H4	4-11/16	4	1.3440	**ER80B2005609**	Price	-	-	**-**	-	4	.8270	**ER80Y2005609**	Price
7/8-14	H4	4-11/16	4	1.3440	**ER80B2005614**	Price	-	-	**-**	-	4	.7090	**ER80Y2005614**	Price
1-8	H4	5-1/8	4	1.5000	**ER80B2010008**	Price	-	-	**-**	-	4	.7640	**ER80Y2010008**	Price
1-12	H4	5-1/8	-	-	**-**	-	-	-	**-**	-	4	.9840	**ER80Y2010012**	Price
1-1/8-7	H4	5-7/16	4	1.1150	**ER80B2010807**	Price	-	-	**-**	-	4	1.1150	**ER80Y2010807**	Price
1-1/8-12	H4	5-7/16	-	-	**-**	-	-	-	**-**	-	4	.9840	**ER80Y2010812**	Price
1-1/4-7	H4	5-3/4	4	1.1150	**ER80B2011607**	Price	-	-	**-**	-	4	1.1150	**ER80Y2011607**	Price
1-1/4-12	H4	5-3/4	-	-	**-**	-	-	-	**-**	-	4	.9840	**ER80Y2011612**	Price
1-3/8-6	H4	5-3/4	4	1.1150	**ER80B2012406**	Price	-	-	**-**	-	4	1.1150	**ER80Y2012406**	Price
1-3/8-12	H4	5-3/4	-	-	**-**	-	-	-	**-**	-	4	1.1150	**ER80Y2012412**	Price
1-1/2-6	H4	6-3/8	4	1.3500	**ER80B2013206**	Price	-	-	**-**	-	4	1.3500	**ER80Y2013206**	Price
1-1/2-12	H4	6-3/8	-	-	**-**	-	-	-	**-**	-	4	1.3500	**ER80Y2013212**	Price

RAPIDKUT® Metric High Performance Spiral Point Taps

Steam Oxide • Plug Style • Color Coded for Easy Indentification

ANSI Standard Shank





			General Purpose - Blue Band				High Tensile - Red Band				Tough Material - Yellow Band			
Size	Thread Limits	OAL (in.)	No. of Flutes	Thread Length	Order No.	Price	No. of Flutes	Thread Length	Order No.	Price	No. of Flutes	Thread Length	Order No.	Price
M2x0.40	D3	1-15/16	2	.3130	**ER80B3002040**	Price	-	-	-	-	2	.3750	**ER80Y3002040**	Price
M2.5x0.45	D3	1-15/16	2	.3130	**ER80B3002545**	Price	-	-	-	-	2	.3750	**ER80Y3002545**	Price
M3x0.50	D3	1-15/16	2	.3100	**ER80B3003050**	Price	3	.3750	**ER80R3003050**	Price	3	.3750	**ER80Y3003050**	Price
M3.5x0.60	D4	2	2	.3750	**ER80B3003560**	Price	-	-	-	-	3	.3750	**ER80Y3003560**	Price
M4x0.70	D4	2-1/8	2	.3750	**ER80B3004070**	Price	3	.3750	**ER80R3004070**	Price	3	.3750	**ER80Y3004070**	Price
M4.5x0.75	D4	2-3/8	2	.5000	**ER80B3004575**	Price	-	-	-	-	3	.5000	**ER80Y3004575**	Price
M5x0.80	D4	2-3/8	2	.5000	**ER80B3005080**	Price	3	.5000	**ER80R3005080**	Price	3	.5000	**ER80Y3005080**	Price
M6x1.0	D5	2-1/2	3	.6250	**ER80B3006100**	Price	3	.6250	**ER80R3006100**	Price	2	.6250	**ER80Y3006100**	Price
M7x1.0	D5	2-23/32	3	.6880	**ER80B3007100**	Price	-	-	-	-	3	.6870	**ER80Y3007100**	Price
M8x1.0	D5	2-23/32	3	.6880	**ER80B3008100**	Price	-	-	-	-	3	.6870	**ER80Y3008100**	Price
M8x1.25	D5	2-23/32	3	.6880	**ER80B3008125**	Price	3	.6870	**ER80R3008125**	Price	3	.6870	**ER80Y3008125**	Price
M10x1.25	D5	2-15/16	3	.7500	**ER80B3010125**	Price	3	.7500	**ER80R3010125**	Price	3	.7500	**ER80Y3010125**	Price
M10x1.5	D6	2-15/16	3	.7500	**ER80B3010150**	Price	3	.7500	**ER80R3010150**	Price	3	.7500	**ER80Y3010150**	Price
M12x1.25	D5	3-3/8	3	.9380	**ER80B3012125**	Price	-	-	-	-	3	.9370	**ER80Y3012125**	Price
M12x1.75	D6	3-3/8	3	.9380	**ER80B3012175**	Price	3	.9370	**ER80R3012175**	Price	3	.9370	**ER80Y3012175**	Price
M14x1.5	D6	3-19/32	3	1.0000	**ER80B3014150**	Price	-	-	-	-	3	1.0000	**ER80Y3014150**	Price
M14x2.0	D7	3-19/32	3	1.0000	**ER80B3014200**	Price	-	-	-	-	3	1.0000	**ER80Y3014200**	Price
M16x1.5	D6	3-13/16	3	1.0940	**ER80B3016150**	Price	-	-	-	-	3	1.0930	**ER80Y3016150**	Price
M16x2.0	D7	3-13/16	3	1.0940	**ER80B3016200**	Price	-	-	-	-	3	1.0930	**ER80Y3016200**	Price
M18x1.5	D6	4-1/32	3	1.0940	**ER80B3018150**	Price	-	-	-	-	3	1.0930	**ER80Y3018150**	Price
M18x2.5	D7	4-1/32	3	1.0940	**ER80B3018250**	Price	-	-	-	-	3	1.0930	**ER80Y3018250**	Price
M20x1.5	D5	4-15/32	3	1.2190	**ER80B3020150**	Price	-	-	-	-	3	1.2010	**ER80Y3020150**	Price
M20x2.5	D6	4-15/32	3	1.2190	**ER80B3020250**	Price	-	-	-	-	3	1.2010	**ER80Y3020250**	Price
M22x1.5	D6	4-11/16	3	1.3440	**ER80B3022150**	Price	-	-	-	-	3	1.3430	**ER80Y3022150**	Price
M22x2.5	D6	4-11/16	3	1.3440	**ER80B3022250**	Price	-	-	-	-	3	1.3430	**ER80Y3022250**	Price
M24x1.5	D5	4-29/32	3	1.3440	**ER80B3024150**	Price	-	-	-	-	3	1.4960	**ER80Y3024150**	Price
M24x3.0	D7	4-29/32	3	1.3440	**ER80B3024300**	Price	-	-	-	-	3	1.4960	**ER80Y3024300**	Price
M27x1.5	D7	5	4	1.5630	**ER80B3027150**	Price	-	-	-	-	-	-	-	-
M27x3.0	D7	5	4	1.5630	**ER80B3027300**	Price	-	-	-	-	-	-	-	-
M30x1.5	D7	5-7/16	4	1.8130	**ER80B3030150**	Price	-	-	-	-	-	-	-	-
M30x3.5	D7	5-7/16	4	1.8130	**ER80B3030350**	Price	-	-	-	-	-	-	-	-

RAPIDKUT® Metric High Performance Spiral Flute Taps

Steam Oxide • Semi-Bottoming • Color Coded for Easy Indentification

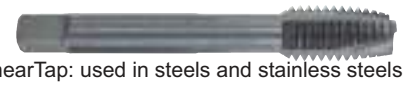




			General Purpose - Blue Band				High Tensile - Red Band				Tough Material - Yellow Band			
Size (mm)	Thread Limits	OAL (in.)	No. of Flutes	Thread Length	Order No.	Price	No. of Flutes	Thread Length	Order No.	Price	No. of Flutes	Thread Length	Order No.	Price
M3x0.50	D3	1-15/16	2	.3130	**ER80B4003050**	Price	3	.1970	**ER80R4003050**	Price	2	.1970	**ER80Y4003050**	Price
M3.5x0.60	D4	2	2	.3750	**ER80B4003560**	Price	-	-	-	-	3	.2760	**ER80Y4003560**	Price
M4x0.70	D4	2-1/8	3	.3750	**ER80B4004070**	Price	3	.2760	**ER80R4004070**	Price	2	.2760	**ER80Y4004070**	Price
M5x0.80	D4	2-3/8	3	.5000	**ER80B4005080**	Price	3	.3540	**ER80R4005080**	Price	2	.3540	**ER80Y4005080**	Price
M6x1.0	D5	2-1/2	3	.6250	**ER80B4006100**	Price	3	.4330	**ER80R4006100**	Price	2	.4330	**ER80Y4006100**	Price
M7x1.0	D5	2-23/32	3	.6880	**ER80B4007100**	Price	-	-	-	-	3	.4330	**ER80Y4007100**	Price
M8x1.0	D5	2-23/32	3	.6880	**ER80B4008100**	Price	-	-	-	-	3	.4720	**ER80Y4008100**	Price
M8x1.25	D5	2-23/32	3	.6880	**ER80B4008125**	Price	3	.4720	**ER80R4008125**	Price	3	.4720	**ER80Y4008125**	Price
M10x1.25	D5	2-15/16	3	.7500	**ER80B4010125**	Price	3	.4720	**ER80R4010125**	Price	3	.4720	**ER80Y4010125**	Price
M10x1.5	D6	2-15/16	3	.7500	**ER80B4010150**	Price	3	.5120	**ER80R4010150**	Price	3	.5120	**ER80Y4010150**	Price
M12x1.25	D5	3-3/8	3	.9380	**ER80B4012125**	Price	-	-	-	-	3	.5510	**ER80Y4012125**	Price
M12x1.75	D6	3-3/8	3	.9380	**ER80B4012175**	Price	3	.5910	**ER80R4012175**	Price	3	.5910	**ER80Y4012175**	Price
M14x1.5	D6	3-19/32	3	1.0000	**ER80B4014150**	Price	-	-	-	-	3	.7090	**ER80Y4014150**	Price
M14x2.0	D7	3-19/32	3	1.0000	**ER80B4014200**	Price	-	-	-	-	3	.7090	**ER80Y4014200**	Price
M16x1.5	D6	3-13/16	3	1.0940	**ER80B4016150**	Price	-	-	-	-	3	.5510	**ER80Y4016150**	Price
M16x2.0	D7	3-13/16	3	1.0940	**ER80B4016200**	Price	-	-	-	-	3	.7090	**ER80Y4016200**	Price
M18x1.5	D6	4-1/32	4	1.0940	**ER80B4018150**	Price	-	-	-	-	4	.5510	**ER80Y4018150**	Price
M18x2.5	D7	4-1/32	4	1.0940	**ER80B4018250**	Price	-	-	-	-	4	.7870	**ER80Y4018250**	Price
M20x1.5	D5	4-15/32	4	1.2190	**ER80B4020150**	Price	-	-	-	-	4	.5510	**ER80Y4020150**	Price
M20x2.5	D6	4-15/32	4	1.2190	**ER80B4020250**	Price	-	-	-	-	4	.7010	**ER80Y4020250**	Price
M22x1.5	D6	4-11/16	3	1.3440	**ER80B4022150**	Price	-	-	-	-	4	.5510	**ER80Y4022150**	Price
M22x2.5	D6	4-11/16	4	1.3440	**ER80B4022250**	Price	-	-	-	-	4	.7870	**ER80Y4022250**	Price
M24x1.5	D5	4-29/32	4	1.5000	**ER80B4024150**	Price	-	-	-	-	-	-	-	-
M24x3.0	D7	4-29/32	4	1.5000	**ER80B4024300**	Price	-	-	-	-	4	.7870	**ER80Y4024300**	Price
M27x3.0	D7	5-1/8	4	1.5000	**ER80B4027300**	Price	-	-	-	-	-	-	-	-
M30x3.5	D7	5-1/2	4	1.7500	**ER80B4030350**	Price	-	-	-	-	-	-	-	-
M30x1.5	D7	5-1/2	4	1.7500	**ER80B4030150**	Price	-	-	-	-	-	-	-	-

High Performance Taps

Spiral Point Plug Style Taps



ShearTap: used in steels and stainless steels up to 35Rc, 1010, 1018, 1046, 302, 303, 304, 310, 316



HPT for exotic alloys: used in exotic alloys, titanium, and nickel based alloys, monel, inconel



HPT for aluminum: recommended for all types of aluminum alloys

SHEAR M TAP — SINGLE M TAP

						ShearTap		High Performance			
						Surface Treated		TiCN		CrN	
						Stainless Steel		Exotic Alloys		Aluminum Alloys	
Size	Thread Limits	No. of Flutes	Thread Length	Neck Length	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price
4-40	H2	2	.3130	.2500	1-7/8	**MT3534400**	Price	**MT3360840**	Price	**MT3360700**	Price
4-40	H3	2	.3130	.2500	1-7/8	**MT3534401**	Price	-	-	-	-
6-32	H2	2	.3750	.3130	2	**MT3534404**	Price	**MT3360842**	Price	**MT3360704**	Price
6-32	H3	2	.3750	.3130	2	**MT3534405**	Price	**MT3360843**	Price	**MT3360705**	Price
8-32	H3	3	.3750	.3750	2-1/8	**MT3534408**	Price	**MT3360845**	Price	**MT3360708**	Price
10-24	H3	3	.5000	.3750	2-3/8	**MT3534410**	Price	**MT3360846**	Price	**MT3360710**	Price
10-32	H3	3	.5000	.3750	2-3/8	**MT3534412**	Price	**MT3360849**	Price	**MT3360712**	Price
1/4-20	H3	3	.6250	.3750	2-1/2	**MT3534417**	Price	**MT3360850**	Price	**MT3360713**	Price
1/4-28	H3	3	.6250	.3750	2-1/2	**MT3534420**	Price	**MT3360852**	Price	**MT3360715**	Price
5/16-18	H3	3	.6880	.4380	2-23/32	**MT3534422**	Price	**MT3360854**	Price	**MT3360717**	Price
5/16-24	H3	3	.6880	.4380	3-23/32	**MT3534424**	Price	**MT3360856**	Price	**MT3360719**	Price
3/8-16	H3	3	.7500	.5000	2	**MT3534426**	Price	**MT3360858**	Price	-	-
3/8-16	H3	3	.7500	.5000	2-15/16	-	-	-	-	**MT3360721**	Price
3/8-24	H3	3	.7500	.5000	2-15/16	**MT3534428**	Price	**MT3360860**	Price	**MT3360723**	Price
7/16-14	H3	3	.8750	.5630	2-15/16	**MT3534430**	Price	**MT3360862**	Price	-	-
7/16-14	H3	3	.8750	.5630	3-5/32	-	-	-	-	**MT3360725**	Price
7/16-20	H3	3	.8750	.5630	3-5/32	**MT3534432**	Price	**MT3360864**	Price	**MT3360727**	Price
1/2-13	H3	3	.9380	.7190	3-3/8	-	-	-	-	**MT3360729**	Price
1/2-13	H3	3	.9380	.7190	3-5/32	**MT3534434**	Price	**MT3360866**	Price	-	-
1/2-20	H3	3	.9380	.7190	3-3/8	**MT3534436**	Price	**MT3360868**	Price	**MT3360731**	Price
9/16-12	H3	4	1.0000	.6730	3-3/8	**MT3534438**	Price	**MT3360870**	Price	-	-
9/16-18	H3	4	1.0000	.6730	3-19/32	**MT3534439**	Price	**MT3360872**	Price	-	-
5/8-11	H3	4	1.1250	.6730	3-19/32	**MT3534440**	Price	**MT3360874**	Price	-	-
5/8-18	H3	4	1.1250	.6730	3-13/16	**MT3534441**	Price	**MT3360876**	Price	-	-
3/4-10	H3	4	1.2190	.7660	4-1/4	**MT3534444**	Price	**MT3360878**	Price	-	-
3/4-16	H3	4	1.2190	.7660	4-1/4	**MT3534445**	Price	**MT3360880**	Price	-	-
1-8	H4	4	1.5000	1.0000	5-1/8	**MT3534502**	Price	-	-	-	-
1-12	H4	4	1.5000	1.0000	5-1/8	**MT3534503**	Price	-	-	-	-

Note: sizes available through 2-4-1/2. TiN coated also available.

High Performance Taps

Metric Spiral Point Plug Style Taps



ShearTap: used in steels and stainless steels up to 35Rc, 1010, 1018, 1046, 302, 303, 304, 310, 316



Spiral point HPT for exotic alloys: used in exotic alloys, titanium, and nickel based alloys, monel, inconel

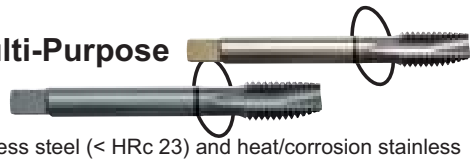


HPT for aluminum: recommended for all types of aluminum alloys

SHEAR M TAP — SINGLE M TAP

								High Performance			
						Surface Treated		TiCN		CrN	
						Stainless Steel		Exotic Alloys		Aluminum Alloys	
Size	Thread Limits	No. of Flutes	Thread Length	Neck Length	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price
M3x0.50	D3	2	.3130	.3130	1-15/16	**MT3535240**	Price	**MT3360900**	Price	**MT3360750**	Price
M3.5x0.60	D4	2	.3750	.3130	2	**MT3535241**	Price	-	-	-	-
M4x0.70	D4	3	.3750	.3750	2-1/8	**MT3535242**	Price	**MT3360901**	Price	**MT3360751**	Price
M5x0.80	D4	3	.5000	.3750	2-3/8	**MT3535243**	Price	**MT3360902**	Price	**MT3360752**	Price
M6x1.0	D5	3	.6250	.3750	2-1/2	**MT3535244**	Price	**MT3360903**	Price	**MT3360753**	Price
M7x1.0	D5	3	.6880	.4380	2-23/32	**MT3535245**	Price	-	-	-	-
M8x1.0	D5	3	.6880	.4380	2-23/32	**MT3535246**	Price	**MT3360904**	Price	**MT3360754**	Price
M8x1.25	D5	3	.6880	.4380	2-23/32	**MT3535247**	Price	**MT3360905**	Price	**MT3360755**	Price
M10x1.25	D5	3	.7500	.5000	2-15/16	**MT3535248**	Price	-	-	-	-
M10x1.5	D6	3	.7500	.5000	2-15/16	**MT3535249**	Price	**MT3360906**	Price	**MT3360756**	Price
M12x1.25	D5	3	.9380	.7190	3-3/8	**MT3535250**	Price	-	-	-	-
M12x1.75	D6	3	.9380	.7190	3-3/8	**MT3535251**	Price	**MT3360908**	Price	**MT3360758**	Price
M14x1.5	D6	4	1.0000	.6730	3-19/32	**MT3535252**	Price	-	-	-	-
M14x2.0	D7	4	1.0000	.6730	3-19/32	**MT3535253**	Price	-	-	-	-
M16x1.5	D6	4	1.1250	.6730	3-13/16	**MT3535254**	Price	-	-	-	-
M16x2.0	D7	4	1.1250	.6730	3-13/16	**MT3535255**	Price	-	-	-	-
M18x1.5	D6	4	1.1250	.7190	4-1/32	**MT3535256**	Price	-	-	-	-
M18x2.5	D7	4	1.1250	.7190	4-1/32	**MT3535257**	Price	-	-	-	-
M20x1.5	D6	4	1.1880	.8120	4-15/32	**MT3535280**	Price	-	-	-	-
M20x2.5	D7	4	1.1880	.8120	4-15/32	**MT3535281**	Price	-	-	-	-
M22x1.5	D6	4	1.1880	1.0310	4-11/16	**MT3535282**	Price	-	-	-	-
M22x2.5	D7	4	1.1880	1.0310	4-11/16	**MT3535283**	Price	-	-	-	-
M24x2.0	D7	4	1.422	.7970	4-29/32	**MT3535284**	Price	-	-	-	-
M24x3.0	D8	4	1.4220	.7970	4-29/32	**MT3535285**	Price	-	-	-	-

RAPIDKUT High Performance Spiral Pointed Taps for Multi-Purpose



Steam Oxide or TiCN • Plug Style • Color Coded for Easy Identification

- DIN length ANSI shank

Black Ring - High Vanadium Steel

For multi-purpose use in a wide variety of materials such as:

- Low carbon steel (>HRc 16)
- Medium to high carbon steel (>HRc 23)
- Free machining stainless steel (< HRc 23) and heat/corrosion stainless steel (>HRc 24)
- Stainless steel castings (> 38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass

					Steam Oxide		TICN	
Size	Thread Limits	Shk. Dia. (in.)	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
4-40	H2	.141	.335	2.210	**ER80BLK1000440**	Price	**ER80BLK1000440T**	Price
5-40	H2	.141	.374	2.210	**ER80BLK1000540**	Price	**ER80BLK1000540T**	Price
6-32	H3	.141	.413	2.210	**ER80BLK1000632**	Price	**ER80BLK1000632T**	Price
8-32	H3	.168	.453	2.480	**ER80BLK1000832**	Price	**ER80BLK1000832T**	Price
10-24	H3	.194	.531	2.760	**ER80BLK1001024**	Price	**ER80BLK1001024T**	Price
10-32	H3	.194	.531	2.760	**ER80BLK1001032**	Price	**ER80BLK1001032T**	Price
12-24	H3	.220	.571	3.150	**ER80BLK1001224**	Price	**ER80BLK1001224T**	Price
12-28	H3	.220	.571	3.150	**ER80BLK1001228**	Price	**ER80BLK1001228T**	Price
1/4-20	H5	.255	.591	3.150	**ER80BLK1001620**	Price	**ER80BLK1001620T**	Price
1/4-28	H4	.255	.591	3.150	**ER80BLK1001628**	Price	**ER80BLK1001628T**	Price
5/16-18	H5	.318	.669	3.540	**ER80BLK1002018**	Price	**ER80BLK1002018T**	Price
5/16-24	H4	.318	.669	3.540	**ER80BLK1002024**	Price	**ER80BLK1002024T**	Price
3/8-16	H5	.381	.748	3.940	**ER80BLK1002416**	Price	**ER80BLK1002416T**	Price
3/8-24	H4	.381	.748	3.940	**ER80BLK1002424**	Price	**ER80BLK1002424T**	Price
7/16-14	H5	.323	.866	3.940	**ER80BLK1002814**	Price	**ER80BLK1002814T**	Price
7/16-20	H5	.323	.866	3.940	**ER80BLK1002820**	Price	**ER80BLK1002820T**	Price
1/2-13	H5	.367	.984	4.330	**ER80BLK1003213**	Price	**ER80BLK1003213T**	Price
1/2-20	H5	.367	.984	3.940	**ER80BLK1003220**	Price	**ER80BLK1003220T**	Price
9/16-12	H5	.429	.984	4.330	**ER80BLK1003612**	Price	**ER80BLK1003612T**	Price
9/16-18	H5	.429	.984	3.940	**ER80BLK1003618**	Price	**ER80BLK1003618T**	Price
5/8-11	H5	.480	1.083	4.330	**ER80BLK1004011**	Price	**ER80BLK1004011T**	Price
5/8-18	H5	.480	1.083	3.940	**ER80BLK1004018**	Price	**ER80BLK1004018T**	Price
3/4-10	H5	.590	1.201	4.920	**ER80BLK1004810**	Price	**ER80BLK1004810T**	Price
3/4-16	H5	.590	1.201	4.330	**ER80BLK1004816**	Price	**ER80BLK1004816T**	Price
7/8-9	H6	.697	1.339	5.510	**ER80BLK1005609**	Price	**ER80BLK1005609T**	Price
7/8-14	H6	.697	1.339	4.920	**ER80BLK1005614**	Price	**ER80BLK1005614T**	Price
1-8	H6	.800	1.496	6.300	**ER80BLK1010008**	Price	**ER80BLK1010008T**	Price
1-12	H6	.800	1.496	5.510	**ER80BLK1010012**	Price	**ER80BLK1010012T**	Price

RAPIDKUT High Performance Spiral Flute Taps for Multi-Purpose



Steam Oxide or TiCN • Semi-Bottoming • Color Coded for Easy Identification

- DIN length ANSI shank

Black Ring - High Vanadium Steel

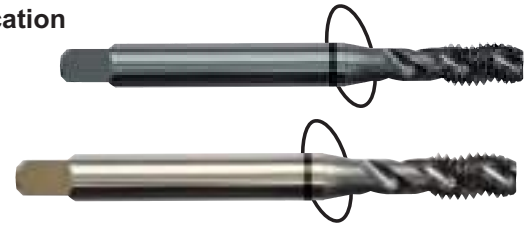
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- Medium to high carbon steel (>HRc 23)
- Free machining stainless steel (< HRc 23) and heat/corrosion stainless steel (>HRc 24)
- Stainless steel castings (> 38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass

						Steam Oxide		TICN	
Size	Thread Limits	No. of Flutes	Shk. Dia. (in.)	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
4-40	H2	2	.141	.236	2.210	**ER80BLK2000440**	Price	**ER80BLK2000440T**	Price
5-40	H2	3	.141	.236	2.210	**ER80BLK2000540**	Price	**ER80BLK2000540T**	Price
6-32	H3	3	.141	.276	2.210	**ER80BLK2000632**	Price	**ER80BLK2000632T**	Price
8-32	H3	3	.168	.276	2.480	**ER80BLK2000832**	Price	**ER80BLK2000832T**	Price
10-24	H3	3	.194	.354	2.760	**ER80BLK2001024**	Price	**ER80BLK2001024T**	Price
10-32	H3	3	.194	.276	2.760	**ER80BLK2001032**	Price	**ER80BLK2001032T**	Price
12-24	H3	3	.220	.354	3.150	**ER80BLK2001224**	Price	**ER80BLK2001224T**	Price
12-28	H3	3	.220	.276	3.150	**ER80BLK2001228**	Price	**ER80BLK2001228T**	Price
1/4-20	H5	3	.255	.433	3.150	**ER80BLK2001620**	Price	**ER80BLK2001620T**	Price
1/4-28	H4	3	.255	.354	3.150	**ER80BLK2001628**	Price	**ER80BLK2001628T**	Price
5/16-18	H5	3	.318	.472	3.540	**ER80BLK2002018**	Price	**ER80BLK2002018T**	Price
5/16-24	H4	3	.318	.394	3.540	**ER80BLK2002024**	Price	**ER80BLK2002024T**	Price
3/8-16	H5	3	.381	.551	3.940	**ER80BLK2002416**	Price	**ER80BLK2002416T**	Price
3/8-24	H4	3	.381	.394	3.940	**ER80BLK2002424**	Price	**ER80BLK2002424T**	Price
7/16-14	H5	3	.323	.591	3.940	**ER80BLK2002814**	Price	**ER80BLK2002814T**	Price
7/16-20	H5	3	.323	.472	3.940	**ER80BLK2002820**	Price	**ER80BLK2002820T**	Price
1/2-13	H5	3	.367	.630	4.330	**ER80BLK2003213**	Price	**ER80BLK2003213T**	Price
1/2-20	H5	3	.367	.472	3.940	**ER80BLK2003220**	Price	**ER80BLK2003220T**	Price
9/16-12	H5	3	.429	.709	4.330	**ER80BLK2003612**	Price	**ER80BLK2003612T**	Price
9/16-18	H5	3	.429	.512	3.940	**ER80BLK2003618**	Price	**ER80BLK2003618T**	Price
5/8-11	H5	4	.480	.748	4.330	**ER80BLK2004011**	Price	**ER80BLK2004011T**	Price
5/8-18	H5	4	.480	.512	3.940	**ER80BLK2004018**	Price	**ER80BLK2004018T**	Price
3/4-10	H5	4	.590	.827	4.920	**ER80BLK2004810**	Price	**ER80BLK2004810T**	Price
3/4-16	H5	4	.590	.591	4.330	**ER80BLK2004816**	Price	**ER80BLK2004816T**	Price
7/8-9	H6	4	.697	.827	5.510	**ER80BLK2005609**	Price	**ER80BLK2005609T**	Price
7/8-14	H6	4	.697	.709	4.920	**ER80BLK2005614**	Price	**ER80BLK2005614T**	Price
1-8	H6	4	.800	.984	6.300	**ER80BLK2010008**	Price	**ER80BLK2010008T**	Price
1-12	H6	4	.800	.709	5.510	**ER80BLK2010012**	Price	**ER80BLK2010012T**	Price

RAPIDKUT Metric High Performance Spiral Flute Taps for Multi-Purpose

Steam Oxide or TiCN • Semi-Bottoming • Color Coded for Easy Identification



- DIN length ANSI shank

Black Ring - High Vanadium Steel

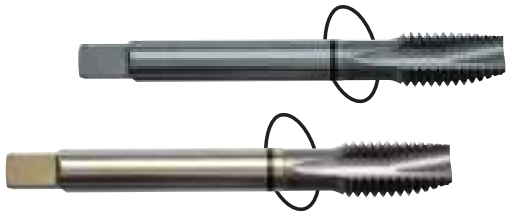
For multi-purpose use in a wide variety of materials such as:

- Low carbon steel (>HRc 16)
- Medium to high carbon steel (>HRc 23)
- Free machining stainless steel (< HRc 23) and heat/corrosion stainless steel (>HRc 24)
- Stainless steel castings (> 38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass

						Steam Oxide		TICN	
Size	Thread Limits	No. of Flutes	Shk. Dia. (in.)	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
M3x0.5	D3	3	.141	.197	2.210	**ER80BLK4003050**	Price	**ER80BLK4003050T**	Price
M3.5x0.6	D4	3	.141	.276	2.210	**ER80BLK4003560**	Price	**ER80BLK4003560T**	Price
M4x0.7	D4	3	.168	.276	2.480	**ER80BLK4004070**	Price	**ER80BLK4004070T**	Price
M5x0.8	D4	3	.194	.354	2.760	**ER80BLK4005080**	Price	**ER80BLK4005080T**	Price
M6x1.0	D5	3	.255	.433	3.150	**ER80BLK4006010**	Price	**ER80BLK4006010T**	Price
M8x1.25	D5	3	.318	.472	3.540	**ER80BLK4008125**	Price	**ER80BLK4008125T**	Price
M10x1.25	D5	3	.381	.472	3.940	**ER80BLK4010125**	Price	**ER80BLK4010125T**	Price
M10x1.5	D6	3	.381	.512	3.940	**ER80BLK4010150**	Price	**ER80BLK4010150T**	Price
M12x1.25	D5	3	.367	.551	3.940	**ER80BLK4012125**	Price	**ER80BLK4012125T**	Price
M12x1.75	D6	3	.367	.591	4.330	**ER80BLK4012175**	Price	**ER80BLK4012175T**	Price
M14x1.5	D6	3	.429	.551	3.940	**ER80BLK4014150**	Price	**ER80BLK4014150T**	Price
M14x2.0	D7	3	.429	.709	4.330	**ER80BLK4014200**	Price	**ER80BLK4014200T**	Price
M16x1.5	D6	3	.480	.551	3.940	**ER80BLK4016150**	Price	**ER80BLK4016150T**	Price
M16x2.0	D7	3	.480	.709	4.330	**ER80BLK4016200**	Price	**ER80BLK4016200T**	Price
M18x1.5	D6	4	.542	.551	4.330	**ER80BLK4018150**	Price	**ER80BLK4018150T**	Price
M18x2.5	D7	4	.542	.787	4.920	**ER80BLK4018250**	Price	**ER80BLK4018250T**	Price

RAPIDKUT Metric High Performance Spiral Pointed Taps for Multi-Purpose

Steam Oxide or TiCN • Plug Style • Color Coded for Easy Identification



- DIN length ANSI shank

Black Ring - High Vanadium Steel

For multi-purpose use in a wide variety of materials such as:

- Low carbon steel (>HRc 16)
- Medium to high carbon steel (>HRc 23)
- Free machining stainless steel (< HRc 23) and heat/corrosion stainless steel (>HRc 24)
- Stainless steel castings (> 38HRc)
- Aluminum, aluminum alloys, cast iron, copper and brass

						Steam Oxide		TICN	
Size	Thread Limits	No. of Flutes	Shk. Dia. (in.)	Thread Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
M3x0.5	D3	3	.141	.374	2.210	**ER80BLK3003050**	Price	**ER80BLK3003050T**	Price
M3.5x0.6	D4	3	.141	.413	2.210	**ER80BLK3003560**	Price	**ER80BLK3003560T**	Price
M4x0.7	D4	3	.168	.453	2.480	**ER80BLK3004070**	Price	**ER80BLK3004070T**	Price
M5x0.8	D4	3	.194	.531	2.760	**ER80BLK3005080**	Price	**ER80BLK3005080T**	Price
M6x1.0	D5	3	.255	.591	3.150	**ER80BLK3006010**	Price	**ER80BLK3006010T**	Price
M8x1.25	D5	3	.318	.669	3.540	**ER80BLK3008125**	Price	**ER80BLK3008125T**	Price
M10x1.25	D5	3	.381	.748	3.940	**ER80BLK3010125**	Price	**ER80BLK3010125T**	Price
M10x1.5	D6	3	.381	.748	3.940	**ER80BLK3010150**	Price	**ER80BLK3010150T**	Price
M12x1.25	D5	3	.367	.984	3.940	**-**	-	**ER80BLK3012125T**	Price
M12x1.25	D5	3	.367	.984	4.330	**ER80BLK3012125**	Price	**-**	-
M12x1.75	D6	3	.367	.984	3.940	**ER80BLK3012175**	Price	**ER80BLK3012175T**	Price
M14x1.5	D6	3	.429	.984	3.940	**ER80BLK3014150**	Price	**ER80BLK3014150T**	Price
M14x2.0	D7	3	.429	.984	3.940	**ER80BLK3014200**	Price	**ER80BLK3014200T**	Price
M16x1.5	D6	3	.480	1.083	3.940	**ER80BLK3016150**	Price	**ER80BLK3016150T**	Price
M16x2.0	D7	3	.480	1.083	3.940	**ER80BLK3016200**	Price	**ER80BLK3016200T**	Price
M18x1.5	D6	3	.542	1.083	3.940	**ER80BLK3018150**	Price	**ER80BLK3018150T**	Price
M18x2.5	D7	3	.542	1.083	3.940	**ER80BLK3018250**	Price	**ER80BLK3018250T**	Price

ONYX CNC Style Spiral Flute Taps



High Speed Steel • Semi-Bottoming • Steam Oxide or Bright Finish

- **Steam Oxide over Nitride** - increases wear resistance, reduces friction, reduces galling and chip welding, improves chip flow and increases tap lubricant retention - not recommended for non-ferrous materials
- **Bright Finish** for tapping a wide range of materials including non-ferrous materials
- For tapping a wide range of materials up to 28Rc hardness
- **CNC Reduced Neck Design and Shorter Thread Length -** for increased coolant flow to the cutting edge, enhanced chip evacuation and reduced contact between tap and workpiece
- Morse List # 2102

						Bright Finish		Steam Oxide	
Size	Thread Limit	No. of Flutes	Thread Length (in.)	Neck Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
4-40	H2	3	.2360	.3270	1-7/8	**MT7930870**	Price	**MT7934750**	Price
6-32	H3	3	.2360	.4520	2	**MT7930872**	Price	**MT7934751**	Price
8-32	H3	3	.2360	.5140	2-1/8	**MT7930874**	Price	**MT7934752**	Price
10-24	H3	3	.3540	.5210	2-3/8	**MT7930875**	Price	**MT7934753**	Price
10-32	H3	3	.3540	.5210	2-3/8	**MT7930876**	Price	**MT7934754**	Price
12-24	H3	3	.3540	.5210	2-3/8	**MT7930877**	Price	**MT7934755**	Price
1/4-20	H3	3	.4330	.5670	2-1/2	**MT7930879**	Price	**MT7934757**	Price
1/4-28	H3	3	.4330	.5670	2-1/2	**MT7930880**	Price	**MT7934758**	Price
5/16-18	H3	3	.4720	.6530	2-23/32	**MT7930881**	Price	**MT7934759**	Price
5/16-24	H3	3	.4720	.6530	2-23/32	**MT7930882**	Price	**MT7934760**	Price
3/8-16	H3	3	.5510	.6990	2-15/16	**MT7930883**	Price	**MT7934761**	Price
3/8-24	H3	3	.5510	.6990	2-15/16	**MT7930884**	Price	**MT7934762**	Price
7/16-14	H3	3	.5910	.8470	3-5/32	**MT7930885**	Price	**MT7934763**	Price
7/16-20	H3	3	.5910	.8470	3-5/32	**MT7930886**	Price	**MT7934764**	Price
1/2-13	H3	3	.6300	1.0260	3-3/8	**MT7930887**	Price	**MT7934765**	Price
1/2-20	H3	3	.6300	1.0260	3-3/8	**MT7930888**	Price	**MT7934766**	Price
9/16-12	H3	3	.6900	.9830	3-19/32	**MT7930889**	Price	**MT7934767**	Price
5/8-11	H3	3	.7450	1.0520	3-13/16	**MT7930891**	Price	**MT7934769**	Price
5/8-18	H3	3	.7450	1.0520	3-13/16	**MT7930892**	Price	**MT7934770**	Price
3/4-10	H3	4	.8200	1.1650	4-1/4	**MT7930893**	Price	**MT7934771**	Price
3/4-16	H3	4	.8200	1.1650	4-1/4	**MT7930894**	Price	**MT7934772**	Price
7/8-9	H4	4	.9110	1.3080	4-11/16	**MT7930895**	Price	**MT7934773**	Price
7/8-14	H4	4	.9110	1.3080	4-11/16	**MT7930896**	Price	**MT7934774**	Price
1-8	H4	4	1.0250	1.4750	5-1/8	**MT7930897**	Price	**MT7934775**	Price
1-12	H4	4	1.0250	1.4750	5-1/8	**MT7930898**	Price	**MT7934776**	Price
1-14	H4	4	1.0250	1.4750	5-1/8	**MT7930899**	Price	**MT7934785**	Price
1-1/8-7	H4	4	1.1430	1.4190	5-7/16	**MT7930900**	Price	**MT7934777**	Price
1-1/8-12	H4	4	1.1430	1.4190	5-7/16	**MT7930901**	Price	**MT7934778**	Price
1-1/4-7	H4	4	1.1430	1.4190	5-3/4	**MT7930902**	Price	**MT7934779**	Price
1-1/4-12	H4	4	1.1430	1.4190	5-3/4	**MT7930903**	Price	**MT7934780**	Price
1-3/8-6	H4	4	1.3330	1.6670	6-1/16	**MT7930904**	Price	**MT7934781**	Price
1-3/8-12	H4	4	1.3330	1.6670	6-1/16	**MT7930905**	Price	**MT7934782**	Price
1-1/2-6	H4	4	1.3330	1.6670	6-3/8	**MT7930906**	Price	**MT7934783**	Price
1-1/2-12	H4	4	1.3330	1.6670	6-3/8	**MT7930907**	Price	**MT7934784**	Price

ONYX CNC Style Spiral Flute Taps



High Speed Steel • Semi-Bottoming • Steam Oxide or Bright Finish

- **Steam Oxide over Nitride** - increases wear resistance, reduces friction, reduces galling and chip welding, improves chip flow and increases tap lubricant retention - not recommended for non-ferrous materials
- **Bright Finish** for tapping a wide range of materials including non-ferrous materials
- For tapping a wide range of materials up to 28Rc hardness
- **CNC Reduced Neck Design and Shorter Thread Length -** for increased coolant flow to the cutting edge, enhanced chip evacuation and reduced contact between tap and workpiece
- Pitch diameter limits are those recommended for 6H class thread
- Morse List # 2102M

						Bright Finish		Steam Oxide	
Size	Thread Limits	No. of Flutes	Thread Length (in.)	Neck Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
M3x0.5	D3	3	.2360	.3890	1-15/16	**MT7930940**	Price	**MT7934840**	Price
M4x0.7	D4	3	.2360	.5140	2-1/8	**MT7930942**	Price	**MT7934842**	Price
M5x0.8	D4	3	.3540	.5210	2-3/8	**MT7930943**	Price	**MT7934843**	Price
M6x1.0	D5	3	.4330	.5670	2-1/2	**MT7930944**	Price	**MT7934844**	Price
M7x1.0	D5	3	.4720	.6530	2-23/32	**MT7930945**	Price	**MT7934845**	Price
M8x1.0	D5	3	.4720	.6530	2-23/32	**MT7930946**	Price	**MT7934846**	Price
M8x1.25	D5	3	.4720	.6530	2-23/32	**MT7930947**	Price	**MT7934847**	Price
M10x1.25	D5	3	.5510	.6990	2-15/16	**MT7930948**	Price	**MT7934848**	Price
M10x1.5	D6	3	.5510	.6990	2-15/16	**MT7930949**	Price	**MT7934849**	Price
M12x1.25	D5	3	.6300	1.0260	3-3/8	**MT7930950**	Price	**MT7934850**	Price
M12x1.75	D6	3	.6300	1.0260	3-3/8	**MT7930952**	Price	**MT7934851**	Price
M14x1.5	D6	3	.6900	.9830	3-19/32	**MT7930953**	Price	**MT7934852**	Price
M14x2.0	D7	3	.6900	.9830	3-19/32	**MT7930954**	Price	**MT7934853**	Price
M16x1.5	D6	3	.7450	1.0520	3-13/16	**MT7930955**	Price	**MT7934854**	Price
M16x2.0	D7	3	.7450	1.0520	3-13/16	**MT7930956**	Price	**MT7934855**	Price
M18x1.5	D6	4	.8130	.9830	4-1/32	**MT7930957**	Price	**MT7934856**	Price
M18x2.5	D7	4	.8130	.9830	4-1/32	**MT7930958**	Price	**MT7934857**	Price
M20x1.5	D6	4	.7900	1.2100	4-15/32	**MT7930959**	Price	**MT7934858**	Price
M20x2.5	D7	4	.7900	1.2100	4-15/32	**MT7930960**	Price	**MT7934859**	Price
M24x1.5	D7	4	.9400	1.2790	4-29/32	**MT7930963**	Price	**MT7934862**	Price
M24x2.0	D7	4	.9400	1.2790	4-29/32	**MT7930964**	Price	**MT7934865**	Price
M24x3.0	D8	4	.9400	1.2790	4-29/32	**MT7930965**	Price	**MT7934863**	Price

High Performance Taps

Spiral Flute Modified Bottoming Style 48° Helix Angle



ShearTap - Used in steels and stainless steels up to 35Rc, 1010, 1018, 1046, 302, 303, 304, 310, 316



HPT for exotic alloys - used in exotic alloys, titanium, and nickel based alloys, monel, inconel



HPT for aluminum - recommended for all types of aluminum alloys

SHEAR MORSE M TAP

SINGLE MORSE M TAP

					ShearTap			High Performance					
								TiCN			CrN		
					Stainless Steel			Exotic Alloys			Aluminum Alloys		
Size	Thread Limits	Thread Length	Neck Length	OAL (in.)	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price	No. of Flutes	Order No.	Price
4-40	H2	.2360	.3270	1-7/8	3	**MT3534450**	Price	3	**MT3360920**	Price	2	**MT3360770**	Price
6-32	H2	.2360	.4520	2	3	**MT3534453**	Price	3	**MT3360922**	Price	2	**MT3360774**	Price
8-32	H3	.2360	.5140	2-1/8	3	**MT3534457**	Price	3	**MT3360925**	Price	2	**MT3360778**	Price
10-24	H3	.3540	.5210	2-3/8	3	**MT3534460**	Price	3	**MT3360926**	Price	2	**MT3360780**	Price
10-32	H3	.3540	.5210	2-3/8	3	**MT3534462**	Price	3	**MT3360929**	Price	2	**MT3360782**	Price
1/4-20	H3	.4330	.5670	2-1/2	3	**MT3534466**	Price	3	**MT3360930**	Price	2	**MT3360783**	Price
1/4-28	H3	.4330	.5670	2-1/2	3	**MT3534468**	Price	3	**MT3360932**	Price	2	**MT3360785**	Price
5/16-18	H3	.4720	.6530	2-23/32	3	**MT3534470**	Price	3	**MT3360934**	Price	2	**MT3360787**	Price
5/16-24	H3	.4720	.6530	2-23/32	3	**MT3534472**	Price	3	**MT3360936**	Price	2	**MT3360789**	Price
3/8-16	H3	.5510	.6990	2-15/16	3	**MT3534474**	Price	3	**MT3360938**	Price	2	**MT3360791**	Price
3/8-24	H3	.5510	.6990	2-15/16	3	**MT3534476**	Price	3	**MT3360940**	Price	2	**MT3360793**	Price
7/16-14	H3	.5910	.8470	3-5/32	3	**MT3534478**	Price	3	**MT3360942**	Price	2	**MT3360795**	Price
7/16-20	H3	.5910	.8470	3-5/32	3	**MT3534480**	Price	3	**MT3360944**	Price	2	**MT3360797**	Price
1/2-13	H3	.6300	1.0260	3-3/38	3	**MT3534482**	Price	3	**MT3360946**	Price	2	**MT3360799**	Price
1/2-20	H3	.6300	1.0260	3-3/38	3	**MT3534484**	Price	3	**MT3360948**	Price	2	**MT3360801**	Price
9/16-12	H3	.6900	.9830	3-19/32	3	**MT3534486**	Price	3	**MT3360950**	Price	-	**-**	-
9/16-18	H3	.6900	.9830	3-19/32	3	**MT3534487**	Price	3	**MT3360952**	Price	-	**-**	-
5/8-11	H3	.7450	1.0520	3-13/16	3	**MT3534488**	Price	3	**MT3360954**	Price	-	**-**	-
5/8-18	H3	.7450	1.0520	3-13/16	3	**MT3534489**	Price	3	**MT3360956**	Price	-	**-**	-
3/4-10	H3	.8200	1.1650	4-1/4	4	**MT3534492**	Price	4	**MT3360958**	Price	-	**-**	-
3/4-16	H3	.8200	1.1650	4-1/4	4	**MT3534493**	Price	4	**MT3360960**	Price	-	**-**	-
1-8	H4	1.0250	1.4750	5-1/8	4	**MT3534522**	Price	-	**-**	-	-	**-**	-
1-12	H4	1.0250	1.4750	5-1/8	4	**MT3534523**	Price	-	**-**	-	-	**-**	-

Note: sizes available through 2-4-1/2. TiN coating also available.

High Performance Taps

Metric Spiral Flute Modified Bottoming Taps



Surface treated ShearTap - used in steels and stainless steels up to 35Rc, 1010, 1018, 1046, 302, 303, 304, 310, 316



TiCN-HPT Spiral point for exotic Alloys - used in exotic alloys titanium, and nickel based alloys monel, inconel



CrN-HPT for aluminum: - recommended for all types of aluminum alloys

SHEAR MORSE M TAP

SINGLE MORSE M TAP

								High Performance			
						Surface Treated		TiCN		CrN	
						Stainless Steel		Exotic Alloys		Aluminum Alloys	
Size	Thread Limits	No. of Flutes	Thread Length	Neck Length	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price
M3x0.50	D3	3	.2360	.3890	1-15/16	**MT3535258**	Price	**MT3360980**	Price	**MT3360820**	Price
M3.5x0.60	D4	3	.2360	.4520	2	**MT3535259**	Price	**-**	-	**-**	-
M4x0.70	D4	3	.2360	.5140	2-1/8	**MT3535260**	Price	**MT3360981**	Price	**MT3360821**	Price
M5x0.80	D4	3	.3540	.5210	2-3/8	**MT3535261**	Price	**MT3360982**	Price	**MT3360822**	Price
M6x1.0	D5	3	.4330	.5670	2-1/2	**MT3535262**	Price	**MT3360983**	Price	**MT3360823**	Price
M7x1.0	D5	3	.4720	.6530	2-23/32	**MT3535263**	Price	**-**	-	**-**	-
M8x1.0	D5	3	.4720	.6530	2-23/32	**MT3535264**	Price	**MT3360984**	Price	**MT3360824**	Price
M8x1.25	D5	3	.4720	.6530	2-23/32	**MT3535265**	Price	**MT3360985**	Price	**MT3360825**	Price
M10x1.25	D5	3	.5510	.6990	2-15/16	**MT3535266**	Price	**-**	-	**-**	-
M10x1.5	D6	3	.5510	.6990	2-15/16	**MT3535267**	Price	**MT3360986**	Price	**MT3360826**	Price
M12x1.25	D5	3	.6300	1.0260	3-3/8	**MT3535268**	Price	**-**	-	**-**	-
M12x1.75	D6	3	.6300	1.0260	3-3/8	**MT3535269**	Price	**MT3360988**	Price	**MT3360828**	Price
M14x1.5	D6	3	.6900	.9830	3-19/32	**MT3535270**	Price	**-**	-	**-**	-
M14x2.0	D7	3	.6900	.9830	3-19/32	**MT3535271**	Price	**-**	-	**-**	-
M16x1.5	D6	3	.7450	1.0520	3-13/16	**MT3535272**	Price	**-**	-	**-**	-
M16x2.0	D7	3	.7450	1.0520	3-13/16	**MT3535273**	Price	**-**	-	**-**	-
M18x1.5	D6	4	.8130	.9830	4-1/32	**MT3535274**	Price	**-**	-	**-**	-
M18x2.5	D7	4	.8130	.9830	4-1/32	**MT3535275**	Price	**-**	-	**-**	-
M20x1.5	D6	4	.7900	1.2100	4-15/32	**MT3535290**	Price	**-**	-	**-**	-
M20x2.5	D7	4	.7900	1.2100	4-15/32	**MT3535291**	Price	**-**	-	**-**	-
M22x1.5	D6	4	.7900	1.4280	4-11/16	**MT3535292**	Price	**-**	-	**-**	-
M22x2.5	D7	4	.7900	1.4280	4-11/16	**MT3535293**	Price	**-**	-	**-**	-
M24x2.0	D7	4	.9400	1.2790	4-29/32	**MT3535294**	Price	**-**	-	**-**	-
M24x3.0	D8	4	.9400	1.2790	4-29/32	**MT3535295**	Price	**-**	-	**-**	-

SHEARMTAP Oversize Spiral Point & Spiral Flute SHEARTAP™

H7 Pitch Diameter Limit

- Oversize taps are mainly used for parts that will be plated or heat treated after tapping. Also used in materials that tend to shrink after tapping
- SHEARTAP™ used in steels and stainless steels up to 35Rc, 1010, 1018, 1046, 302, 303, 304, 310, 316

Inch					
		Spiral Flute		Price	
Size	Thread Limits	Order No.	Price	Order No.	Price
6-32	H7	**MT3534592**	Price	**MT3534542**	Price
8-32	H7	**MT3534594**	Price	**MT3534544**	Price
10-24	H7	**MT3534596**	Price	**MT3534546**	Price
10-32	H7	**MT3534598**	Price	**MT3534548**	Price
1/4-20	H7	**MT3534600**	Price	**MT3534550**	Price
1/4-28	H7	**MT3534602**	Price	**MT3534552**	Price
5/16-18	H7	**MT3534604**	Price	**MT3534554**	Price
5/16-24	H7	**MT3534606**	Price	**MT3534556**	Price
3/8-16	H7	**MT3534608**	Price	**MT3534558**	Price
3/8-24	H7	**MT3534610**	Price	**MT3534560**	Price

Size Type - Metric					
		Spiral Flute		Spiral Point	
Size	Thread Limits	Order No.	Price	Order No.	Price
M3x0.50	H7	**MT3534680**	Price	**MT3534670**	Price
M4x0.70	H7	**MT3534681**	Price	**MT3534671**	Price
M5x0.80	H7	**MT3534682**	Price	**MT3534672**	Price

SHEARTAP™ Cutting Speeds

MATERIAL	HARDNESS BHN	EXAMPLES	SFM*
Carbon Steel	200	1010, 1018	40–65
	200–300	1046, 1050	30–50
Stainless Steel	300	302, 303, 304, 310, 316	15–25
	300	405, 409	15–25
	300	440, 403	15–25

SPEEDS shown are suggested starting points only and may be increased or decreased depending on actual material and machining conditions. Start conservatively and increase until the machining cycle is optimized.

SPEEDS may be increased for coated taps, spiral point taps, fine pitch taps and when the percentage of thread is decreased.

SPEEDS may need to be reduced for spiral flute taps, coarse pitch taps, bottoming taps, difficult materials, longer thread lengths and when the percentage of thread is increased.



List No. 2090 - Steam Oxide Over Nitride
List No. 2090G - TiN Coated
List No. 2090M - Metric Steam Oxide Over Nitride



List No. 2091 - Steam Oxide Over Nitride
List No. 2091G - TiN Coated
List No. 2091M - Metric Steam Oxide Over Nitride

PRICE	AMOUNT LARGER THAN BASIC PITCH DIA.
H7	.0030″-.0035″
H11	.0050″-.0055″

Oversize taps are mainly used for parts that will be plated or heat treated after tapping. Also used in materials that tend to shrink after tapping.

SHEARMTAP Oversize Spiral Point & Spiral Flute SHEARTAP™

H11 Pitch Diameter Limit

- Oversize taps are mainly used for parts that will be plated or heat treated after tapping. Also used in materials that tend to shrink after tapping
- SHEARTAP™ used in steels and stainless steels up to 35Rc, 1010, 1018, 1046, 302, 303, 304, 310, 316

Inch					
		Spiral Flute		Price	
Size	Thread Limits	Order No.	Price	Order No.	Price
1/4-20	H11	**MT3534601**	Price	**MT3534551**	Price
1/4-28	H11	**MT3534603**	Price	**MT3534553**	Price
5/16-18	H11	**MT3534605**	Price	**MT3534555**	Price
5/16-24	H11	**MT3534607**	Price	**MT3534557**	Price
3/8-16	H11	**MT3534609**	Price	**MT3534559**	Price
3/8-24	H11	**MT3534611**	Price	**MT3534561**	Price
7/16-14	H11	**MT3534613**	Price	**MT3534563**	Price
7/16-20	H11	**MT3534615**	Price	**MT3534565**	Price
1/2-13	H11	**MT3534617**	Price	**MT3534567**	Price
1/2-20	H11	**MT3534619**	Price	**MT3534569**	Price
9/16-12	H11	**MT3534621**	Price	**MT3534571**	Price
9/16-18	H11	**MT3534623**	Price	**MT3534573**	Price
5/8-11	H11	**MT3534625**	Price	**MT3534575**	Price
5/8-18	H11	**MT3534627**	Price	**MT3534577**	Price
3/4-10	H11	**MT3534629**	Price	**MT3534579**	Price
3/4-16	H11	**MT3534631**	Price	**MT3534581**	Price
7/8-9	H11	**MT3534633**	Price	**MT3534583**	Price
7/8-14	H11	**MT3534635**	Price	**MT3534585**	Price
1-8	H11	**MT3534637**	Price	**MT3534587**	Price
1-12	H11	**MT3534639**	Price	**MT3534589**	Price

Size Type - Metric					
		Spiral Flute		Spiral Point	
Size	Thread Limits	Order No.	Price	Order No.	Price
M6x1.0	H11	**MT3534683**	Price	**MT3534673**	Price
M8x1.25	H11	**MT3534684**	Price	**MT3534674**	Price
M10x1.5	H11	**MT3534685**	Price	**MT3534675**	Price
M12x1.75	H11	**MT3534686**	Price	**MT3534676**	Price

SHEARMTAP Spiral Point Eight Pitch Plug Style SHEARTAP™

- SHEARTAP™ used in steels and stainless steels up to 35Rc, 1010, 1018, 1046, 302, 303, 304, 310, 316

					Surface Treated		TiN	
Size	Thread Limits	No. of Flutes	Thread Length	OAL (in.)	Order No.	Price	Order No.	Price
1-1/8-8	H5	4	1.7190	5-7/16	**MT3534650**	Price	**MT3594650**	Price
1-1/4-8	H5	4	1.7190	5-3/4	**MT3534651**	Price	**MT3594651**	Price
1-3/8-8	H5	4	2.0000	6-1/16	**MT3534652**	Price	**MT3594652**	Price
1-1/2-8	H5	6	2.0000	6-3/8	**MT3534653**	Price	**MT3594653**	Price
1-5/8-8	H6	6	2.0000	6-11/16	**MT3534654**	Price	**MT3594654**	Price
1-3/4-8	H6	6	2.4060	7	**MT3534655**	Price	**MT3594655**	Price
1-7/8-8	H6	6	2.4060	7-5/16	**MT3534656**	Price	**MT3594656**	Price
2-8	H6	6	2.6880	7-5/8	**MT3534657**	Price	**MT3594657**	Price

SHEARMTAP Spiral Flute Eight Pitch Bottoming Style SHEARTAP™

- SHEARTAP™ used in steels and stainless steels up to 35Rc, 1010, 1018, 1046, 302, 303, 304, 310, 316

					Surface Treated		TiN	
Size	Thread Limits	No. of Flutes	Thread Length	OAL (in.)	Order No.	Price	Order No.	Price
1-1/8-8	H5	4	1.1430	5-7/16	**MT3534660**	Price	**MT3594660**	Price
1-1/4-8	H5	4	1.1430	5-3/4	**MT3534661**	Price	**MT3594661**	Price
1-3/8-8	H5	4	1.3330	6-1/16	**MT3534662**	Price	**MT3594662**	Price
1-1/2-8	H5	4	1.3330	6-3/8	**MT3534663**	Price	**MT3594663**	Price
1-5/8-8	H6	6	1.3330	6-11/16	**MT3534664**	Price	**MT3594664**	Price
1-3/4-8	H6	6	1.6000	7	**MT3534665**	Price	**MT3594665**	Price
1-7/8-8	H6	6	1.6000	7-5/16	**MT3534666**	Price	**MT3594666**	Price
2-8	H6	6	1.7770	7-5/8	**MT3534667**	Price	**MT3594667**	Price

EXOTAP® A-TAP® Spiral Pointed Taps

VC10 • Plug Style





- Sharp cutting edge stabilizes chip shape
- Variable helix accelerates chip evacuation
- OSG's V coating for long tool life
- Good for carbon steels, alloy steels, 300 and 400 series stainless steels
- OSG List #16515

Size	Thread Limits	OAL	No. of Flutes	Order No.	Price
4-40	H2	56mm	2	**TP531651500108**	Price
4-48	H2	56mm	2	**TP531651500208**	Price
5-40	H2	56mm	3	**TP531651500308**	Price
5-44	H2	56mm	3	**TP531651500408**	Price
6-32	H3	56mm	3	**TP531651500508**	Price
6-32	H2	56mm	3	**TP531651500608**	Price
6-40	H2	56mm	3	**TP531651500708**	Price
8-32	H3	63mm	3	**TP531651500808**	Price
8-32	H2	63mm	3	**TP531651500908**	Price
8-36	H2	63mm	3	**TP531651501008**	Price
10-24	H3	70mm	3	**TP531651501108**	Price
10-32	H3	70mm	3	**TP531651501208**	Price
10-32	H2	70mm	3	**TP531651501308**	Price
12-24	H3	80mm	3	**TP531651501408**	Price
12-28	H3	80mm	3	**TP531651501508**	Price
1/4-20	H5	80mm	3	**TP531651501608**	Price
1/4-20	H3	80mm	3	**TP531651501708**	Price
1/4-28	H4	80mm	3	**TP531651501808**	Price
1/4-28	H3	80mm	3	**TP531651501908**	Price
5/16-18	H5	90mm	3	**TP531651502008**	Price
5/16-18	H3	90mm	3	**TP531651502108**	Price
5/16-24	H4	90mm	3	**TP531651502208**	Price
5/16-24	H3	90mm	3	**TP531651502308**	Price
3/8-16	H5	100mm	3	**TP531651502408**	Price
3/8-16	H3	100mm	3	**TP531651502508**	Price
3/8-24	H4	90mm	3	**TP531651502608**	Price
3/8-24	H3	90mm	3	**TP531651502708**	Price
7/16-14	H5	100mm	3	**TP531651502808**	Price
7/16-14	H3	100mm	3	**TP531651502908**	Price
7/16-20	H5	100mm	3	**TP531651503008**	Price
7/16-20	H3	100mm	3	**TP531651503108**	Price
1/2-13	H5	110mm	3	**TP531651503208**	Price
1/2-13	H3	110mm	3	**TP531651503308**	Price
1/2-20	H5	100mm	3	**TP531651503408**	Price
1/2-20	H3	100mm	3	**TP531651503508**	Price
9/16-12	H5	110mm	3	**TP531651503608**	Price
9/16-12	H3	110mm	3	**TP531651503708**	Price
9/16-18	H5	100mm	3	**TP531651503808**	Price
9/16-18	H3	100mm	3	**TP531651503908**	Price
5/8-11	H5	110mm	3	**TP531651504008**	Price
5/8-11	H3	110mm	3	**TP531651504108**	Price
5/8-18	H5	100mm	3	**TP531651504208**	Price
5/8-18	H3	100mm	3	**TP531651504308**	Price
3/4-10	H5	125mm	3	**TP531651504408**	Price
3/4-10	H3	125mm	3	**TP531651504508**	Price
3/4-16	H5	110mm	3	**TP531651504608**	Price
3/4-16	H3	110mm	3	**TP531651504708**	Price
7/8-9	H6	140mm	3	**TP531651504808**	Price
7/8-9	H4	140mm	3	**TP531651504908**	Price
7/8-14	H6	125mm	3	**TP531651505008**	Price
7/8-14	H4	125mm	3	**TP531651505108**	Price
1-8	H6	160mm	3	**TP531651505208**	Price
1-8	H4	160mm	3	**TP531651505308**	Price
1-12	H6	140mm	3	**TP531651505408**	Price
1-12	H4	140mm	3	**TP531651505508**	Price

EXOTAP® A-TAP® Spiral Pointed Taps

VC10 • Plug Style





- Sharp cutting edge stabilizes chip shape
- Variable helix accelerates chip evacuation
- OSG's V coating for long tool life
- Good for carbon steels, alloy steels, 300 and 400 series stainless steels
- OSG List #16510

Size	Thread Limits	OAL	No. of Flutes	Order No.	Price
M3x0.50	D3	56mm	3	**TP531651000108**	Price
M4x0.50	D3	63mm	3	**TP531651000208**	Price
M4x0.70	D4	63mm	3	**TP531651000308**	Price
M5x0.50	D3	70mm	3	**TP531651000408**	Price
M5x0.80	D4	70mm	3	**TP531651000508**	Price
M6x0.50	D3	80mm	3	**TP531651000608**	Price
M6x0.75	D4	80mm	3	**TP531651000708**	Price
M6x1.0	D5	80mm	3	**TP531651000808**	Price
M8x1.0	D5	90mm	3	**TP531651000908**	Price
M8x1.25	D5	90mm	3	**TP531651001008**	Price
M10x1.0	D5	100mm	3	**TP531651001108**	Price
M10x1.25	D5	100mm	3	**TP531651001208**	Price

EXOTAP® A-TAP® Spiral Flute Taps

VC10 • Modified Bottoming Style





- Sharp cutting edge stabilizes chip shape
- Variable helix accelerates chip evacuation
- OSG's V coating for long tool life
- Good for carbon steels, alloy steels, 300 and 400 series stainless steels
- OSG List #16505

Size	Thread Limits	OAL	No. of Flutes	Order No.	Price
4-40	H2	56mm	2	**TP531650500108**	Price
4-48	H2	56mm	2	**TP531650500208**	Price
5-40	H2	56mm	2	**TP531650500308**	Price
5-44	H2	56mm	2	**TP531650500408**	Price
6-32	H2	56mm	2	**TP531650500608**	Price
6-32	H3	56mm	2	**TP531650500508**	Price
6-40	H2	56mm	2	**TP531650500708**	Price
8-32	H2	63mm	2	**TP531650500908**	Price
8-32	H3	63mm	2	**TP531650500808**	Price
8-36	H2	63mm	2	**TP531650501008**	Price
10-24	H3	70mm	2	**TP531650501108**	Price
10-32	H2	70mm	2	**TP531650501308**	Price
10-32	H3	70mm	2	**TP531650501208**	Price
12-24	H3	80mm	2	**TP531650501408**	Price
12-28	H3	80mm	2	**TP531650501508**	Price
1/4-20	H3	80mm	2	**TP531650501708**	Price
1/4-20	H5	80mm	2	**TP531650501608**	Price
1/4-28	H3	80mm	2	**TP531650501908**	Price
1/4-28	H4	80mm	2	**TP531650501808**	Price
5/16-18	H3	90mm	3	**TP531650502108**	Price
5/16-18	H5	90mm	3	**TP531650502008**	Price
5/16-24	H3	90mm	3	**TP531650502308**	Price
5/16-24	H4	90mm	3	**TP531650502208**	Price
3/8-16	H3	100mm	3	**TP531650502508**	Price
3/8-16	H5	100mm	3	**TP531650502408**	Price
3/8-24	H3	90mm	3	**TP531650502708**	Price
3/8-24	H4	90mm	3	**TP531650502608**	Price
7/16-14	H3	100mm	3	**TP531650502908**	Price
7/16-14	H5	100mm	3	**TP531650502808**	Price
7/16-20	H3	100mm	3	**TP531650503108**	Price
7/16-20	H5	100mm	3	**TP531650503008**	Price
1/2-13	H3	110mm	3	**TP531650503308**	Price
1/2-13	H5	110mm	3	**TP531650503208**	Price
1/2-20	H3	100mm	3	**TP531650503508**	Price
1/2-20	H5	100mm	3	**TP531650503408**	Price
9/16-12	H3	110mm	3	**TP531650503708**	Price
9/16-12	H5	110mm	3	**TP531650503608**	Price
9/16-18	H3	100mm	3	**TP531650503908**	Price
9/16-18	H5	100mm	3	**TP531650503808**	Price
5/8-11	H3	110mm	3	**TP531650504108**	Price
5/8-11	H5	110mm	3	**TP531650504008**	Price
5/8-18	H3	100mm	3	**TP531650504308**	Price
5/8-18	H5	100mm	3	**TP531650504208**	Price
3/4-10	H3	125mm	4	**TP531650504508**	Price
3/4-10	H5	125mm	4	**TP531650504408**	Price
3/4-16	H3	110mm	4	**TP531650504708**	Price
3/4-16	H5	110mm	4	**TP531650504608**	Price
7/8-9	H4	140mm	4	**TP531650504908**	Price
7/8-9	H6	140mm	4	**TP531650504808**	Price
7/8-14	H4	125mm	4	**TP531650505108**	Price
7/8-14	H6	125mm	4	**TP531650505008**	Price
1-8	H4	160mm	4	**TP531650505308**	Price
1-8	H6	160mm	4	**TP531650505208**	Price
1-12	H4	140mm	4	**TP531650505508**	Price
1-12	H6	140mm	4	**TP531650505408**	Price

Size	Thread Limits	OAL	No. of Flutes	Order No.	Price
M10x1.5	D6	100mm	3	**TP531651001308**	Price
M12x1.0	D5	100mm	3	**TP531651001408**	Price
M12x1.25	D6	100mm	3	**TP531651001508**	Price
M12x1.5	D6	100mm	3	**TP531651001608**	Price
M12x1.75	D6	110mm	3	**TP531651001708**	Price
M14x1.5	D6	100mm	4	**TP531651001808**	Price
M14x2.0	D7	110mm	3	**TP531651001908**	Price
M16x1.5	D6	100mm	4	**TP531651002008**	Price
M16x2.0	D7	110mm	3	**TP531651002108**	Price
M18x1.5	D6	110mm	4	**TP531651002208**	Price
M18x2.5	D7	125mm	3	**TP531651002308**	Price
M20x1.5	D6	125mm	4	**TP531651002408**	Price
M20x2.5	D7	140mm	3	**TP531651002508**	Price
M22x1.5	D6	125mm	4	**TP531651002608**	Price
M22x2.5	D7	140mm	3	**TP531651002708**	Price
M24x1.5	D6	140mm	4	**TP531651002808**	Price
M24x3.0	D8	160mm	3	**TP531651002908**	Price

EXOTAP® A-TAP® Spiral Flute Taps

VC10 • Modified Bottoming Style

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- Good for carbon steels, alloy steels, 300 and 400 series stainless steels
- OSG List #16500



Size	Thread Limits	OAL	No. of Flutes	Order No.	Price
M3x0.50	D3	56mm	3	**TP531650000108**	Price
M4x0.50	D3	63mm	3	**TP531650000208**	Price
M4x0.70	D4	63mm	3	**TP531650000308**	Price
M5x0.50	D3	70mm	3	**TP531650000408**	Price
M5x0.80	D4	70mm	3	**TP531650000508**	Price
M6x0.50	D3	80mm	3	**TP531650000608**	Price
M6x0.75	D4	80mm	3	**TP531650000708**	Price
M6x1.0	D5	80mm	3	**TP531650000808**	Price
M8x1.0	D5	90mm	3	**TP531650000908**	Price
M8x1.25	D5	90mm	3	**TP531650001008**	Price
M10x1.0	D5	90mm	3	**TP531650001108**	Price
M10x1.25	D5	100mm	3	**TP531650001208**	Price
M10x1.5	D6	100mm	3	**TP531650001308**	Price
M12x1	D5	100mm	3	**TP531650001408**	Price
M12x1.25	D6	100mm	3	**TP531650001508**	Price
M12x1.5	D6	100mm	3	**TP531650001608**	Price
M12x1.75	D6	110mm	3	**TP531650001708**	Price
M14x1.5	D6	100mm	3	**TP531650001808**	Price
M14x2.0	D7	110mm	3	**TP531650001908**	Price
M16x1.5	D6	100mm	3	**TP531650002008**	Price
M16x2.0	D7	110mm	3	**TP531650002108**	Price
M18x1.5	D6	110mm	4	**TP531650002208**	Price
M18x2.5	D7	125mm	4	**TP531650002308**	Price
M20x1.5	D6	125mm	4	**TP531650002408**	Price
M20x2.5	D7	140mm	4	**TP531650002508**	Price
M22x1.5	D6	125mm	4	**TP531650002608**	Price
M22x2.5	D7	140mm	4	**TP531650002708**	Price
M24x1.5	D6	140mm	4	**TP531650002808**	Price
M24x3.0	D8	160mm	4	**TP531650002908**	Price

EXOTAP® VC-10 Spiral Fluted Taps

TiCN Coated

- Specially designed for difficult-to-machine materials
- Works best with alloy steels, stainless steel 17-4 PH, hardened steels up to 35HrC, die steels, titanium, inconel, stainless steel 400, hardened steel 35-45HrC
- Available in bottoming and modified bottoming
- OSG List #313



Size	Chamfer Length	Thread Limits	No. of Flutes	Order No.	Price
2-56	1.5P - 2P	H2	2	**TP25141708**	Price
4-40	2.5P - 3P	H3	2	**TP251754108**	Price
6-32	1.5P - 2P	H3	2	**TP25141908**	Price
6-32	2.5P - 3P	H3	2	**TP251752208**	Price
8-32	2.5P - 3P	H2	2	**TP251754608**	Price
8-32	2.5P - 3P	H3	2	**TP251752308**	Price
10-24	2.5P - 3P	H5	3	**TP251703008**	Price
10-32	1.5P - 2P	H3	3	**TP25142508**	Price
10-32	2.5P - 3P	H4	3	**TP251703208**	Price
10-32	2.5P - 3P	H5	3	**TP251703308**	Price
1/4-20	2.5P - 3P	H3	3	**TP241752608**	Price
1/4-20	2.5P - 3P	H5	3	**TP251703508**	Price
5/16-24	2.5P - 3P	H4	3	**TP251704008**	Price
5/16-24	2.5P - 3P	H6	3	**TP251704208**	Price
3/8-24	1.5P - 2P	H3	3	**TP25143108**	Price
3/8-24	2.5P - 3P	H4	3	**TP251704408**	Price
7/16-20	2.5P - 3P	H5	3	**TP251704808**	Price
1/2-13	2.5P - 3P	H5	3	**TP251704908**	Price
5/8-11	2.5P - 3P	H3	4	**TP251753608**	Price
3/4-10	2.5P - 3P	H3	4	**TP251753808**	Price
3/4-16	2.5P - 3P	H3	4	**TP251753908**	Price

SHEARMTAP Metric Spiral Flute SHEARTAP™

Premium High Speed Steel • 48° Helix Angle • Semi-Bottoming Style

- TiN coated
- Pitch diameter limits are those recommended for 6H class of thread
- Morse List # 2091G



Szie	Thread Limits	No. of Flutes	Thread Length (in.)	OAL (in.)	Order No.	Price
M3x0.50	D3	3	.2360	1-15/16	**MT3595258**	Price
M3.5x0.60	D4	3	.2360	2	**MT3595259**	Price
M4x0.70	D4	3	.2360	2-1/8	**MT3595260**	Price
M5x0.80	D4	3	.3540	2-3/8	**MT3595261**	Price
M6x1.0	D5	3	.4330	2-1/2	**MT3595262**	Price
M7x1.0	D5	3	.4720	2-23/32	**MT3595263**	Price
M8x1.0	D5	3	.4720	2-23/32	**MT3595264**	Price
M8x1.25	D5	3	.4720	2-23/32	**MT3595265**	Price
M10x1.25	D5	3	.5510	2-15/16	**MT3595266**	Price
M10x1.5	D6	3	.5510	2-15/16	**MT3595267**	Price
M12x1.25	D5	3	.6300	3-3/8	**MT3595268**	Price
M12x1.75	D6	3	.6300	3-3/8	**MT3595269**	Price
M14x1.5	D6	3	.6900	3-19/32	**MT3595270**	Price
M14x2.0	D7	3	.6900	3-19/32	**MT3595271**	Price
M16x1.5	D6	3	.7450	3-13/16	**MT3595272**	Price
M16x2.0	D7	3	.7450	3-13/16	**MT3595273**	Price

HY-PRO® Spiral Point Plug Style

Fractional • Steam Oxide Finish



- For tapping hardened steel
- Best application: 4140, 4340, H13, D2 and 1055 up to 35HRC
- OSG List #280

		H2		H3		H5	
Size	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
2-56	2	TP282805601	Price	-	-	-	-
4-40	2	TP282806401	Price	TP282811401	Price	TP282816401	Price
5-40	2	TP282807001	Price	-	-	-	-
6-32	2	TP282807401	Price	TP282812401	Price	TP282817401	Price
8-32	3	TP282807801	Price	TP282812801	Price	TP282817801	Price
10-24	3	-	-	TP282813401	Price	TP282818401	Price
10-32	3	TP282808801	Price	TP282813801	Price	TP282818801	Price
1/4-20	3	-	-	TP282830001	Price	TP282840001	Price
1/4-28	3	-	-	TP282830401	Price	TP282840401	Price
5/16-18	3	-	-	TP282830801	Price	TP282840801	Price
5/16-24	3	-	-	TP282831201	Price	TP282841201	Price
3/8-16	3	-	-	TP282831601	Price	TP282841601	Price
3/8-24	3	-	-	TP282831801	Price	TP282841801	Price
7/16-14	3	-	-	TP282832001	Price	-	-
7/16-20	3	-	-	TP282832201	Price	-	-
1/2-13	3	-	-	TP282832401	Price	-	-
1/2-20	3	-	-	TP282832601	Price	-	-
5/8-11	3	-	-	TP282833201	Price	TP282843201	Price
5/8-18	3	-	-	TP282833401	Price	-	-
3/4-10	3	-	-	TP282833601	Price	TP282843601	Price
7/8-9	3	-	-	-	-	TP282844001	Price
1-8	4	-	-	-	-	TP282844401	Price

Spiral Point Plug Style

Metric • Steam Oxide Finish



- For tapping hardened steel
- Best application: 4140, 4340, H13, D2 and 1055 up to 35HRC
- OSG List #289

Size	No. of Flutes	Thread Limit	Order No.	Price
M4x0.70	3	D4	TP282890601	Price
M5x0.80	3	D4	TP282890801	Price
M6x1.0	3	D5	TP282891001	Price
M8x1.25	3	D5	TP282891401	Price
M10x1.5	3	D6	TP282891801	Price
M12x1.75	3	D6	TP282892301	Price
M14x2.0	3	D7	TP282892601	Price
M16x2.0	3	D7	TP282892901	Price
M20x2.5	3	D8	TP282893601	Price

Other H limits and Bright Finish Taps available

HY-PRO® Spiral Fluted With Modified Bottom

Fractional • Steam Oxide Finish



- For tapping hardened steel
- Best application: 4140, 4340, H13, D2 and 1055 up to 35HRC
- OSG List #290

		H2		H3		H5	
Size	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
2-56	2	TP282905601	Price	-	-	-	-
4-40	3	TP282906401	Price	TP282911401	Price	-	-
5-40	3	TP282907001	Price	-	-	-	-
6-32	3	TP282907401	Price	TP282912401	Price	TP282917401	Price
8-32	3	TP282907801	Price	TP282912801	Price	TP282917801	Price
10-24	3	-	-	TP282913401	Price	TP282918401	Price
10-32	3	TP282908801	Price	TP282913801	Price	TP282918801	Price
1/4-20	3	-	-	TP282930001	Price	TP282940001	Price
1/4-28	3	-	-	TP282930401	Price	TP282940401	Price
5/16-18	3	-	-	TP282930801	Price	TP282940801	Price
5/16-24	3	-	-	TP282931201	Price	TP282941201	Price
3/8-16	3	-	-	TP282931601	Price	TP282941601	Price
3/8-24	3	-	-	TP282931801	Price	TP282941801	Price
7/16-14	3	-	-	TP282932001	Price	TP282942001	Price
7/16-20	3	-	-	TP282932201	Price	TP282942201	Price
1/2-13	3	-	-	TP282932401	Price	TP282942401	Price
1/2-20	3	-	-	TP282932601	Price	TP282942601	Price
5/8-11	4	-	-	TP282933201	Price	TP282943201	Price
5/8-18	4	-	-	TP282933401	Price	-	-
3/4-10	4	-	-	TP282933601	Price	TP282943601	Price
3/4-16	4	-	-	TP282933801	Price	TP282943801	Price
7/8-9	4	-	-	-	-	TP282944001	Price
1-8	4	-	-	-	-	TP282944401	Price

HY-PRO® DIN Spiral Flute Taps

Steam Oxide Finish



- DIN overall lengths, modified bottoming (2.5P-3P)
- OSG List #220 (inch) / #229 (metric)

Type - Inch					
Size	Class of Fit	No. of Flutes	OAL	Order No.	Price
4-40	2B	3	56mm	TP282211401	Price
6-32	2B	3	56mm	TP282212401	Price
8-32	2B	3	63mm	TP282217801	Price
10-24	2B	3	70mm	TP282213401	Price
10-32	2B	3	70mm	TP282218801	Price
1/4-20	2B	3	80mm	TP282230001	Price
1/4-28	2B	3	80mm	TP282230401	Price
5/16-18	2B	3	90mm	TP282230801	Price
5/16-24	2B	3	90mm	TP282231201	Price
3/8-16	2B	3	100mm	TP282231601	Price
3/8-24	2B	3	100mm	TP282231801	Price
7/16-14	2B	3	100mm	TP282232001	Price
7/16-20	2B	3	100mm	TP282232201	Price
1/2-13	2B	3	110mm	TP282232401	Price
1/2-20	2B	3	100mm	TP282232601	Price
5/8-11	2B	4	110mm	TP282233201	Price
5/8-18	2B	4	100mm	TP282233401	Price
3/4-10	2B	4	125mm	TP282233601	Price
3/4-16	2B	4	110mm	TP282233801	Price
7/8-9	2B	4	140mm	TP282244001	Price
7/8-14	2B	4	125mm	TP282239201	Price
1-8	2B	4	160mm	TP282244401	Price
1-12	2B	4	140mm	TP282239601	Price
1-1/8-7	2B	4	180mm	TP282247201	Price
1-1/8-12	2B	4	150mm	TP282245001	Price
1-1/4-7	2B	4	180mm	TP282247701	Price
1-1/4-12	2B	4	150mm	TP282245601	Price
1-3/8-6	2B	4	200mm	TP282248001	Price
1-3/8-12	2B	4	170mm	TP282246201	Price
1-1/2-6	2B	4	200mm	TP282248301	Price
1-1/2-12	2B	4	170mm	TP282246801	Price
1-3/4-5	2B	4	220mm	TP282248701	Price
2-4.5	2B	5	250mm	TP282249001	Price

Type - Metric					
Size	Class of Fit	No. of Flutes	OAL	Order No.	Price
M3x0.50	6H	3	56mm	TP282290401	Price
M4x0.70	6H	3	63mm	TP282290601	Price
M5x0.80	6H	3	70mm	TP282290801	Price
M6x1.0	6H	3	80mm	TP282291001	Price
M8x1.25	6H	3	90mm	TP282291401	Price
M10x1.25	6H	3	100mm	TP282291701	Price
M10x1.5	6H	3	100mm	TP282291801	Price
M12x1.25	6H	3	100mm	TP282292101	Price
M12x1.5	6H	3	100mm	TP282292201	Price
M12x1.75	6H	3	110mm	TP282292301	Price
M14x1.5	6H	3	100mm	TP282292501	Price
M14x2.0	6H	3	110mm	TP282292601	Price
M16x1.5	6H	3	100mm	TP282292801	Price
M16x2.0	6H	3	110mm	TP282292901	Price
M18x1.5	6H	4	110mm	TP282293001	Price
M18x2.5	6H	4	125mm	TP282293201	Price
M20x1.5	6H	4	125mm	TP282293401	Price
M20x2.5	6H	4	140mm	TP282293601	Price

Spiral Fluted Taps with Modified Bottom — Metric



Metric • Steam Oxide Finish

- For tapping hardened steel
- Best application: 4140, 4340, H13, D2 and 1055 up to 35HRC
- OSG List #299

Size	Thread Limit	No. of Flutes	Order No.	Price
M4x0.70	D4	3	TP282990601	Price
M5x0.80	D4	3	TP282990801	Price
M6x1.0	D5	3	TP282991001	Price
M8x1.25	D5	3	TP282991401	Price
M10x1.5	D6	3	TP282991801	Price
M12x1.75	D6	3	TP282992301	Price
M14x2.0	D7	3	TP282992601	Price
M16x2.0	D7	3	TP282992901	Price
M20x2.5	D8	4	TP282993601	Price

Other H limits and Bright Finish Taps available

WIDIA High Performance VariTap™ Spiral Flute Taps

HSS-E

- For blind holes
- 45° Helix



Bottoming						
					Oxide	
Size	Thread Limit	No. of Flutes	Thread Length	OAL	Order No.	Price
4-40	H2	2	.510	1.880	**WK316140539**	Price
4-40	H2	2	.560	6.000	**WK315602131**	Price
4-40	H3	2	.510	1.880	**WK316140540**	Price
5-40	H2	2	.580	1.940	**WK316140542**	Price
6-32	H2	2	.380	2.000	**WK316140543**	Price
6-32	H3	2	.380	2.000	**WK316140544**	Price
6-32	H3	2	.380	6.000	**WK315602132**	Price
6-32	H5	2	.380	2.000	**WK316140545**	Price
6-40	H2	2	.380	1.990	**WK316140546**	Price
6-40	H3	2	.380	1.990	**WK316140547**	Price
8-32	H2	3	.380	2.130	**WK316140548**	Price
8-32	H3	3	.380	2.130	**WK316140549**	Price
8-32	H3	3	.380	6.000	**WK315602133**	Price
8-32	H5	3	.380	2.130	**WK316140550**	Price
10-24	H3	3	.500	2.370	**WK316140561**	Price
10-24	H5	3	.500	2.370	**WK316140562**	Price
10-32	H3	3	.500	2.380	**WK316140563**	Price
10-32	H3	3	.500	6.000	**WK315602134**	Price
10-32	H5	3	.500	2.380	**WK316140564**	Price
1/4-20	H3	3	.630	2.500	**WK316140565**	Price
1/4-20	H3	3	.630	6.000	**WK315602135**	Price
1/4-20	H5	3	.630	2.500	**WK316140566**	Price
1/4-28	H3	3	.620	2.490	**WK316140567**	Price
1/4-28	H3	3	.630	6.000	**WK315602136**	Price
1/4-28	H5	3	.620	2.490	**WK316140568**	Price
5/16-18	H3	3	.690	2.720	**WK316140569**	Price
5/16-18	H5	3	.690	2.720	**WK316140570**	Price

Bottoming						
					Oxide	
Size	Thread Limit	No. of Flutes	Thread Length	OAL	Order No.	Price
5/16-18	H3	3	.690	6.000	**WK315602137**	Price
5/16-24	H3	3	.690	2.720	**WK316140571**	Price
5/16-24	H5	3	.690	2.720	**WK316140572**	Price
3/8-16	H3	3	.750	2.940	**WK316140574**	Price
3/8-16	H3	3	.750	6.000	**WK315602138**	Price
3/8-16	H5	3	.750	2.940	**WK316140573**	Price
3/8-24	H3	3	.750	2.940	**WK316140579**	Price
3/8-24	H3	3	.750	6.000	**WK315602139**	Price
3/8-24	H4	3	.750	2.940	**WK316140580**	Price
3/8-24	H5	3	.750	2.940	**WK316140581**	Price
7/16-14	H3	3	.880	3.160	**WK316140582**	Price
7/16-14	H3	3	.880	6.000	**WK315602140**	Price
7/16-14	H5	3	.880	3.160	**WK316140583**	Price
7/16-20	H3	3	.880	3.160	**WK316140584**	Price
7/16-20	H5	3	.880	3.160	**WK316140585**	Price
1/2-13	H3	3	.940	3.380	**WK316140586**	Price
1/2-13	H5	3	.940	3.380	**WK316140587**	Price
1/2-20	H3	3	.940	3.375	**WK316140588**	Price
9/16-12	H3	3	1.000	3.590	**WK316140589**	Price
9/16-18	H3	3	1.000	3.590	**WK316140590**	Price
5/8-11	H3	3	1.090	3.810	**WK316140591**	Price
5/8-11	H5	3	1.090	3.810	**WK316140592**	Price
5/8-18	H3	3	1.090	3.810	**WK316140593**	Price
5/8-18	H5	3	1.090	3.810	**WK316140595**	Price
3/4-10	H3	4	1.220	4.250	**WK316140597**	Price
3/4-16	H3	4	1.220	4.250	**WK316140599**	Price

Semi-Bottoming										
					Oxide		TiCN		TiN	
Size	Thread Limit	No. of Flutes	Thread Length	OAL	Order No.	Price	Order No.	Price	Order No.	Price
2-56	H2	2	.390	1.750	**WK316140249**	Price	**WK316140248**	Price	**-**	-
3-48	H2	2	.450	1.820	**WK316140271**	Price	**WK316140250**	Price	**-**	-
4-40	H2	2	.510	1.880	**WK316140273**	Price	**WK316140272**	Price	**-**	-
4-40	H2	2	.560	4.000	**WK315602125**	Price	**-**	-	**-**	-
4-40	H3	2	.510	1.880	**WK316140275**	Price	**WK316140274**	Price	**-**	-
4-48	H2	2	.510	1.880	**WK316140282**	Price	**WK316140281**	Price	**-**	-
5-40	H2	2	.580	1.940	**WK316140284**	Price	**WK316140283**	Price	**-**	-
6-32	H3	3	.380	2.000	**WK315886704**	Price	**WK315886705**	Price	**-**	-
6-32	H3	2	.380	4.000	**WK315602126**	Price	**-**	-	**-**	-
6-32	H5	3	.380	2.000	**WK315886706**	Price	**-**	-	**-**	-
6-40	H2	2	.380	1.990	**WK316140294**	Price	**WK316140293**	Price	**-**	-
6-40	H3	2	.380	1.990	**WK316140295**	Price	**-**	-	**-**	-
8-32	H2	3	.380	2.130	**WK316140297**	Price	**WK316140296**	Price	**-**	-
8-32	H3	3	.380	2.130	**WK315886707**	Price	**WK315886708**	Price	**-**	-
8-32	H3	3	.380	4.000	**WK315602127**	Price	**-**	-	**-**	-
8-32	H5	3	.380	2.130	**WK315886709**	Price	**WK316140299**	Price	**-**	-
8-36	H3	3	.380	2.130	**WK316140305**	Price	**-**	-	**-**	-
10-24	H3	3	.500	2.380	**WK315886710**	Price	**WK315887031**	Price	**-**	-
10-24	H3	3	.500	4.000	**WK315602128**	Price	**-**	-	**-**	-
10-24	H5	3	.500	2.380	**WK315887032**	Price	**WK316140308**	Price	**-**	-
10-32	H3	3	.500	2.380	**WK315887033**	Price	**WK315887034**	Price	**-**	-
10-32	H3	3	.500	4.000	**WK315602129**	Price	**-**	-	**-**	-
10-32	H4	3	.500	2.380	**WK316140314**	Price	**-**	-	**-**	-
10-32	H5	3	.500	2.380	**WK315887035**	Price	**WK316140315**	Price	**-**	-
10-32	H6	3	.500	2.380	**WK316140316**	Price	**-**	-	**-**	-
12-24	H3	3	.500	2.430	**WK315887036**	Price	**WK315887037**	Price	**-**	-
12-28	H3	3	.500	2.370	**WK316140322**	Price	**WK316140321**	Price	**-**	-
1/4-20	2B	3	.590	3.150	**-**	-	**-**	-	**WK316172794**	Price
1/4-20	H3	3	.630	2.500	**WK315887038**	Price	**WK315887039**	Price	**-**	-
1/4-20	H3	3	.630	4.000	**WK315602130**	Price	**-**	-	**-**	-
1/4-20	H3	3	.630	6.000	**WK315602114**	Price	**-**	-	**-**	-
1/4-20	H5	3	.630	2.500	**-**	-	**WK316140183**	Price	**-**	-
1/4-20	H7	3	.630	2.500	**WK316140185**	Price	**WK316140184**	Price	**-**	-
1/4-28	H3	3	.620	2.490	**WK315887041**	Price	**WK315887042**	Price	**-**	-
1/4-28	H4	3	.620	2.490	**WK316140190**	Price	**WK316140188**	Price	**-**	-
1/4-28	H5	3	.620	2.490	**WK315887043**	Price	**WK316140191**	Price	**-**	-
1/4-28	H6	3	.620	2.490	**WK316140192**	Price	**-**	-	**-**	-
1/4-28	H7	3	.620	2.490	**WK316140195**	Price	**WK316140193**	Price	**-**	-
5/16-18	2B	3	.690	2.720	**-**	-	**-**	-	**WK316172802**	Price
5/16-18	H3	3	.690	2.720	**WK315887044**	Price	**WK315887045**	Price	**-**	-
5/16-18	H3	3	.690	6.000	**WK315602116**	Price	**-**	-	**-**	-
5/16-18	H5	3	.690	2.720	**WK315887046**	Price	**WK316140198**	Price	**-**	-
5/16-18	H7	3	.690	2.720	**WK316140201**	Price	**WK316140200**	Price	**-**	-
5/16-24	H3	3	.680	2.710	**WK315887047**	Price	**WK315887048**	Price	**-**	-

(continued next page)

WIDIA High Performance VariTap™ Spiral Flute Taps (cont.)



Semi-Bottoming										
					Oxide		TiCN		TiN	
Size	Thread Limit	No. of Flutes	Thread Length	OAL	Order No.	Price	Order No.	Price	Order No.	Price
5/16-24	H5	3	.680	2.710	**WK315887049**	Price	**-**	-	**-**	-
5/16-24	H5	3	.690	2.710	**-**	-	**WK316140214**	Price	**-**	-
5/16-24	H6	3	.690	2.720	**WK316140216**	Price	**WK316140215**	Price	**-**	-
3/8-16	H3	3	.750	2.940	**WK315887050**	Price	**WK315887051**	Price	**-**	-
3/8-16	H3	3	.750	6.000	**WK315602118**	Price	**-**	-	**-**	-
3/8-16	H5	3	.750	2.940	**WK315887052**	Price	**WK316140222**	Price	**-**	-
3/8-24	H3	3	.740	2.920	**WK315887053**	Price	**WK315887054**	Price	**-**	-
3/8-24	H4	3	.750	2.940	**WK316140228**	Price	**WK316140227**	Price	**-**	-
3/8-24	H5	3	.740	2.920	**WK315887055**	Price	**-**	-	**-**	-
3/8-24	H5	3	.750	2.940	**-**	-	**WK316140229**	Price	**-**	-
7/16-14	H3	3	.880	3.160	**WK315887056**	Price	**WK315887057**	Price	**-**	-
7/16-14	H5	3	.880	3.160	**WK315887058**	Price	**WK316140235**	Price	**-**	-
7/16-20	H3	3	.880	3.160	**WK315887059**	Price	**WK315887061**	Price	**-**	-
7/16-20	H5	3	.880	3.160	**WK315887062**	Price	**WK316140240**	Price	**-**	-
1/2-13	2B	3	.940	3.380	**-**	-	**-**	-	**WK316172818**	Price
1/2-13	H3	3	.940	3.380	**WK315887063**	Price	**WK315887064**	Price	**-**	-
1/2-13	H3	3	.940	6.000	**WK315602122**	Price	**-**	-	**-**	-
1/2-13	H5	3	.940	3.380	**WK315887065**	Price	**WK316140422**	Price	**-**	-
1/2-20	H3	3	.940	3.380	**WK315887067**	Price	**WK315887068**	Price	**-**	-
1/2-20	H5	3	.940	3.375	**-**	-	**WK316140427**	Price	**-**	-
1/2-20	H5	3	.940	3.380	**WK315887069**	Price	**-**	-	**-**	-
1/2-20	H7	3	.940	3.375	**WK316140430**	Price	**WK316140429**	Price	**-**	-
9/16-12	H3	3	1.000	3.590	**WK316140436**	Price	**WK316140434**	Price	**-**	-
9/16-18	H3	3	1.000	3.590	**WK316140452**	Price	**WK316140440**	Price	**-**	-
5/8-11	H3	3	1.090	3.810	**WK315887070**	Price	**WK315887071**	Price	**-**	-
5/8-11	H5	3	1.090	3.810	**WK315887072**	Price	**WK316140456**	Price	**-**	-
5/8-18	H3	3	1.090	3.810	**WK315887073**	Price	**WK315887074**	Price	**-**	-
5/8-18	H5	3	1.090	3.810	**WK315887075**	Price	**-**	-	**-**	-
3/4-10	H3	4	1.220	4.250	**WK315887076**	Price	**WK315887077**	Price	**-**	-
3/4-10	H5	4	1.220	4.250	**WK315887078**	Price	**WK316140465**	Price	**-**	-
3/4-16	H3	4	1.220	4.250	**WK315887079**	Price	**WK315887080**	Price	**-**	-
3/4-16	H5	4	1.220	4.250	**WK315887081**	Price	**WK316140467**	Price	**-**	-
7/8-9	H5	4	1.340	4.690	**WK316140473**	Price	**WK316140471**	Price	**-**	-
7/8-14	H4	4	1.340	4.690	**WK316140477**	Price	**WK316140475**	Price	**-**	-
1-8	H5	4	1.500	5.130	**WK315887083**	Price	**-**	-	**-**	-
1-12	H4	4	1.500	5.130	**WK316140481**	Price	**WK316140479**	Price	**-**	-
1-1/8-7	H6	4	1.710	5.440	**WK316140483**	Price	**-**	-	**-**	-
1-1/8-8	H6	4	1.710	5.440	**WK316140484**	Price	**-**	-	**-**	-
1-1/4-7	H6	4	1.710	5.750	**WK316140488**	Price	**-**	-	**-**	-
1-1/4-8	H6	4	1.710	5.750	**WK316140492**	Price	**-**	-	**-**	-
1-3/8-6	H6	5	2.000	6.066	**WK316140498**	Price	**-**	-	**-**	-
1-1/2-6	H6	5	2.000	6.380	**WK316140500**	Price	**-**	-	**-**	-

WIDIA High Performance VariTap™ Spiral Flute Taps

HSS-E

- For blind holes
- 45° Helix



Bottoming						
					Oxide	
Size	Thread Limit	No. of Flutes	Thread Length	OAL	Order No.	Price
M3x0.50	D3	2	14.8mm	49.4mm	**WK316140343**	Price
M3.5x0.60	D4	2	9.7mm	50.5mm	**WK316140344**	Price
M4x0.70	D4	3	9.7mm	53.8mm	**WK316140345**	Price
M5x0.80	D4	3	12.7mm	60.3mm	**WK316140346**	Price
M6x1.0	D5	3	16mm	63.5mm	**WK316140347**	Price
M7x1.0	D5	3	17.5mm	69.2mm	**WK316140348**	Price
M8x1.0	D5	3	17.5mm	68.7mm	**WK316140350**	Price
M8x1.25	D5	3	17.5mm	68.7mm	**WK316140349**	Price
M10x1.25	D5	3	18.9mm	74.1mm	**WK316140392**	Price
M10x1.5	D6	3	19.1mm	74.3mm	**WK316140391**	Price
M12x1.25	D5	3	23.9mm	85.8mm	**WK316140395**	Price
M12x1.5	D6	3	23.9mm	85.9mm	**WK316140394**	Price
M12x1.75	D6	3	23.9mm	85.9mm	**WK316140393**	Price
M14x1.5	D6	3	25.4mm	91.2mm	**WK316140397**	Price
M14x2.0	D7	3	25.4mm	91.2mm	**WK316140396**	Price
M16x1.5	D6	3	27.7mm	96.8mm	**WK316140399**	Price
M16x2.0	D7	3	27.7mm	96.8mm	**WK316140398**	Price
M18x1.5	D6	4	27.7mm	102.4mm	**WK316140400**	Price

WIDIA High Performance VariTap™ Spiral Flute Taps (cont.)



Semi-Bottoming										
					Oxide		TiCN		TiN	
Size	Thread Limit	No. of Flutes	Thread Length	OAL	Order No.	Price	Order No.	Price	Order No.	Price
M3x0.50	D3	3	14.8mm	49.4mm	**WK315887084**	Price	**WK315887085**	Price	-	-
M3.5x0.60	D4	2	9.7mm	50.5mm	**WK316141781**	Price	**WK316141630**	Price	-	-
M4x0.70	D4	3	9.7mm	53.8mm	**WK315887086**	Price	**WK315887087**	Price	-	-
M5x0.80	D4	3	12.7mm	60.3mm	**WK315887088**	Price	**WK315887089**	Price	-	-
M6x1.0	D5	3	16mm	63.5mm	**WK315887090**	Price	**WK315887091**	Price	-	-
M7x1.0	D5	3	17.5mm	69.2mm	**WK316141792**	Price	**WK316141791**	Price	-	-
M8x1.0	D5	3	17.5mm	68.7mm	**WK316141797**	Price	**WK316141796**	Price	-	-
M8x1.25	6H	3	17.5mm	68.7mm	-	-	-	-	**WK316172486**	Price
M8x1.25	D5	3	17.5mm	68.7mm	**WK315887092**	Price	**WK315887093**	Price	-	-
M10x1.25	D5	3	18.9mm	74.1mm	**WK316141805**	Price	**WK316141804**	Price	-	-
M10x1.5	D6	3	19.1mm	74.3mm	**WK316141809**	Price	**WK316141808**	Price	-	-
M12x1.25	D5	3	23.9mm	85.8mm	**WK316140508**	Price	**WK316140507**	Price	-	-
M12x1.5	D6	3	23.9mm	85.9mm	**WK316140512**	Price	**WK316140511**	Price	-	-
M12x1.75	D6	3	23.9mm	85.9mm	**WK315887096**	Price	**WK315887097**	Price	-	-
M14x1.5	D6	3	25.4mm	91.2mm	**WK316140518**	Price	**WK316140517**	Price	-	-
M14x2.0	D7	3	25.4mm	91.2mm	**WK316140520**	Price	**WK316140519**	Price	-	-
M16x1.5	D6	3	27.7mm	96.8mm	**WK316140522**	Price	**WK316140521**	Price	-	-
M16x2.0	D7	3	27.7mm	96.8mm	**WK315887098**	Price	**WK315887099**	Price	-	-
M18x1.5	D6	4	27.7mm	102.4mm	**WK316140524**	Price	**WK316140523**	Price	-	-
M18x2.5	D7	4	31mm	102.4mm	**WK316140526**	Price	**WK316140525**	Price	-	-
M20x1.5	D6	4	31mm	113.5mm	**WK316140528**	Price	**WK316140527**	Price	-	-
M20x2.5	D7	4	31mm	113.5mm	**WK316140530**	Price	**WK316140529**	Price	-	-
M22x1.5	D6	4	31mm	119.1mm	**WK316140531**	Price	-	-	-	-
M22x2.5	D7	4	31mm	119.1mm	**WK316140532**	Price	-	-	-	-
M24x3.0	D8	4	31mm	124.7mm	**WK316140534**	Price	-	-	-	-
M27x3.0	D8	4	31mm	130.3mm	**WK316140536**	Price	-	-	-	-

ONYX MORSE TAP ONYX Metric Spiral Pointed Plug Taps



CNC Style • Steam Oxide or Bright Finish

- **Steam Oxide over Nitride** - increases wear resistance, reduces friction, reduces galling and chip welding, improves chip flow and increases tap lubricant retention - Not recommended for non-ferrous materials
- **Bright Finish** - for tapping a wide range of materials, including non-ferrouos materials
- For tapping a wide range of materials up to 28Rc hardness
- **CNC Reduced Neck Design and Shorter Thread Length -** for increased coolant flow to the cutting edge, enhanced chip evacuation and reduced contact between tap and workpiece
- Morse List # 2101M

						Bright Finish		Steam Oxide	
Size	Thread Limit	No. of Flutes	Thread Length (in.)	Neck Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
M2x0.40	D3	2	.3130	.3130	1-15/16	**MT7930910**	Price	**MT7934800**	Price
M2.5x0.45	D3	2	.3130	.3130	1-15/16	**MT7930911**	Price	**MT7934801**	Price
M3x0.50	D3	2	.3130	.3130	1-15/16	**MT7930912**	Price	**MT7934802**	Price
M4x0.70	D4	3	.3750	.3750	2-1/8	**MT7930914**	Price	**MT7934804**	Price
M5x0.80	D4	3	.5000	.3750	2-3/8	**MT7930915**	Price	**MT7934805**	Price
M6x1.0	D5	3	.6250	.3750	2-1/2	**MT7930916**	Price	**MT7934806**	Price
M7x1.0	D5	3	.6880	.4380	2-23/32	**MT7930917**	Price	**MT7934807**	Price
M8x1.0	D5	3	.6880	.4380	2-23/32	**MT7930918**	Price	**MT7934808**	Price
M8x1.25	D5	3	.6880	.4380	2-23/32	**MT7930919**	Price	**MT7934809**	Price
M10x1.25	D5	3	.7500	.5000	2-15/16	**MT7930920**	Price	**MT7934810**	Price
M10x1.5	D6	3	.7500	.5000	2-15/16	**MT7930921**	Price	**MT7934811**	Price
M12x1.25	D5	3	.9380	.7190	3-3/8	**MT7930922**	Price	**MT7934812**	Price
M12x1.75	D6	3	.9380	.7190	3-3/8	**MT7930924**	Price	**MT7934813**	Price
M14x1.5	D6	4	1.0000	.6730	3-19/32	**MT7930925**	Price	**MT7934814**	Price
M14x2.0	D7	4	1.0000	.6730	3-19/32	**MT7930926**	Price	**MT7934815**	Price
M16x1.5	D6	4	1.1250	.6730	3-13/16	**MT7930927**	Price	**MT7934816**	Price
M16x2.0	D7	4	1.1250	.6730	3-13/16	**MT7930928**	Price	**MT7934817**	Price
M18x1.5	D6	4	1.1250	.7190	4-1/32	**MT7930929**	Price	**MT7934818**	Price
M18x2.5	D7	4	1.1250	.7190	4-1/32	**MT7930930**	Price	**MT7934819**	Price
M20x1.5	D6	4	1.1880	.8120	4-15/32	**MT7930931**	Price	**MT7934820**	Price
M20x2.5	D7	4	1.1880	.8120	4-15/32	**MT7930932**	Price	**MT7934821**	Price
M24x1.5	D7	4	1.4220	.7970	4-29/32	**MT7930935**	Price	**MT7934824**	Price
M24x2.0	D7	4	1.4220	.7970	4-29/32	**MT7930936**	Price	**MT7934827**	Price
M24x3.0	D8	4	1.4220	.7970	4-29/32	**MT7930937**	Price	**MT7934825**	Price

EXOTAP® VA3® Spiral Point Plug Style

TiCN Coated

- Designed for low carbon steels, stainless steel 300 & 400, medium-high carbon steels & stainless steel 17-4PH
- OSG List #300



Size	No. of Flutes	Thread Limit	Order No.	Price
4-40	2	H3	**TP251734808**	Price
6-32	2	H3	**TP241730208**	Price
8-32	3	H3	**TP241730308**	Price
10-24	3	H3	**TP241730408**	Price
10-32	3	H3	**TP241730508**	Price
1/4-20	3	H3	**TP241730608**	Price
1/4-20	3	H5	**TP241737408**	Price
5/16-18	3	H3	**TP251730808**	Price
5/16-18	3	H5	**TP251738308**	Price
3/8-16	3	H3	**TP251731008**	Price
3/8-16	3	H5	**TP241738408**	Price
1/2-13	3	H3	**TP241731408**	Price
5/8-11	3	H5	**TP251738908**	Price
5/8-18	3	H3	**TP251731708**	Price

High Performance Spiral Fluted Bottom EXOTAPS®

EXOTAP® VA-3 Spiral Fluted Bottom Taps

- TiCN coated
- Designed for stainless steel 17-4PH, low carbon steels, stainless steel 300 & 400, medium-high carbon steels
- OSG List #303



Size	Chamfer Length	Thread Limits	No. of Flutes	Order No.	Price
2-56	1.5P - 2P	H2	2	**TP24135408**	Price
4-40	1.5P - 2P	H2	3	**TP24135608**	Price
6-32	1.5P - 2P	H3	3	**TP24136108**	Price
8-32	1.5P - 2P	H2	3	**TP24136308**	Price
8-32	1.5P - 2P	H3	3	**TP24136408**	Price
10-24	1.5P - 2P	H3	3	**TP24136708**	Price
1/4-20	1.5P - 2P	H3	3	**TP24137108**	Price
1/4-20	1.5P - 2P	H5	3	**TP24137208**	Price
5/16-24	1.5P - 2P	H4	3	**TP24137808**	Price

High Performance Spiral Fluted Modified Bottom EXOTAPS®

EXOTAP® VA-3 Spiral Fluted Modified Bottom Taps

- TiCN coated
- Designed for stainless steel 17-4PH, low carbon steels, stainless steel 300 & 400, medium-high carbon steels
- OSG List #303



Size	Chamfer Length	Thread Limits	No. of Flutes	Order No.	Price
6-32	2.5P - 3P	H3	3	**TP241732208**	Price
8-32	2.5P - 3P	H3	3	**TP241732308**	Price
10-24	2.5P - 3P	H2	3	**TP241724508**	Price
10-32	2.5P - 3P	H3	3	**TP241732508**	Price
10-32	2.5P - 3P	H5	3	**TP241722508**	Price
1/4-20	2.5P - 3P	H3	3	**TP241732608**	Price
1/4-20	2.5P - 3P	H5	3	**TP241722608**	Price
1/4-28	2.5P - 3P	H3	3	**TP241732708**	Price
5/16-18	2.5P - 3P	H3	3	**TP241732808**	Price
5/16-18	2.5P - 3P	H5	3	**TP241722808**	Price
5/16-24	2.5P - 3P	H3	3	**TP241732908**	Price
3/8-16	2.5P - 3P	H3	3	**TP241733008**	Price

EXOTAP® VA3® Spiral Point Plug Style

Steam Oxide Finish

- Specially designed for tough-to-machine stainless steels
- Best application: 300, 17-4ph stainless steels
- Good application: 400 stainless hardened steel up to 35 HRC
- OSG List #300



		H2		H3		H4	
Size	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
2-56	2	**TP241734601**	Price	**TP241734701**	Price	-	-
4-40	2	**TP241730001**	Price	**TP241734801**	Price	-	-
5-40	2	**TP241730101**	Price	-	-	-	-
6-32	2	**TP241735801**	Price	**TP241730201**	Price	-	-
8-32	3	**TP241735901**	Price	**TP241730301**	Price	-	-
10-24	3	-	-	**TP241730401**	Price	-	-
10-32	3	**TP241736501**	Price	**TP241730501**	Price	-	-
1/4-20	3	**TP241736601**	Price	**TP241730601**	Price	-	-
1/4-28	3	**TP241736701**	Price	**TP241730701**	Price	**TP241736801**	Price
5/16-18	3	-	-	**TP241730801**	Price	-	-
5/16-24	3	-	-	**TP241730901**	Price	**TP241736901**	Price
3/8-16	3	-	-	**TP241731001**	Price	-	-
3/8-24	3	-	-	**TP241731101**	Price	-	-
7/16-14	3	-	-	**TP241731201**	Price	-	-
7/16-20	3	-	-	**TP241731301**	Price	-	-
1/2-13	3	-	-	**TP241731401**	Price	-	-
1/2-20	3	-	-	**TP241731501**	Price	-	-
5/8-11	3	-	-	**TP241731601**	Price	-	-
5/8-18	3	-	-	**TP241731701**	Price	-	-
3/4-10	3	-	-	**TP241731801**	Price	-	-
3/4-16	3	-	-	**TP241731901**	Price	-	-
7/8-9	3	-	-	-	-	**TP241725201**	Price
7/8-14	3	-	-	-	-	**TP241725301**	Price
1-8	3	-	-	-	-	**TP241725401**	Price

VA3® Spiral Point Plug Style

Metric • Steam Oxide Finish

- Specially designed for tough-to-machine stainless steels
- Best application: 300, 17-4ph stainless steels
- Good application: 400 stainless hardened steel up to 35 HRC
- OSG List #342



Size	No. of Flutes	Thread Limit	Order No.	Price
M3x0.50	3	D3	**TP241750101**	Price
M4x0.70	3	D4	**TP241750401**	Price
M5x0.80	3	D4	**TP241750701**	Price
M6x1.0	3	D5	**TP241751001**	Price
M8x1.25	3	D5	**TP241751301**	Price
M10x1.5	3	D6	**TP241751601**	Price
M12x1.75	3	D6	**TP241751901**	Price

EXOTAP® VA3 Spiral Flute Taps

Metric Sizes

- Ideal for stainless steel
- Modified bottom
- OSG List #343



Size	Thread Limits	No. of Flutes	Order No.	Price
M3x0.50	D3	3	**TP241755101**	Price
M4x0.70	D4	3	**TP241755401**	Price
M5x0.80	D4	3	**TP241755701**	Price
M6x1.0	D5	3	**TP241756001**	Price
M8x1.25	D5	3	**TP241756301**	Price
M10x1.5	D6	3	**TP241756601**	Price
M12x1.75	D6	3	**TP241756901**	Price

High Performance Spiral Fluted EXOTAPS®

EXOTAP® VA-3 Spiral Fluted Taps

- Steam oxide finish
- Designed for stainless steels and other exotic alloy steels under 35 HrC
- Available in bottoming and modified bottoming
- OSG List #303



Size	Chamfer Length	Thread Limits	No. of Flutes	Order No.	Price
2-56	1.5P - 2P	H2	2	**TP240135401**	Price
4-40	1.5P - 2P	H3	3	**TP240135701**	Price
4-40	2.5P - 3P	H2	3	**TP241732001**	Price
4-40	2.5P - 3P	H3	3	**TP241722001**	Price
4-48	1.5P - 2P	H2	3	**TP240135801**	Price
5-40	1.5P - 2P	H2	3	**TP240135901**	Price
5-40	2.5P - 3P	H2	3	**TP241732101**	Price
6-32	1.5P - 2P	H3	3	**TP240136101**	Price
6-32	2.5P - 3P	H3	3	**TP241732201**	Price
6-40	1.5P - 2P	H2	3	**TP240136201**	Price
8-32	1.5P - 2P	H3	3	**TP240136401**	Price
8-32	2.5P - 3P	H3	3	**TP241732301**	Price
8-36	1.5P - 2P	H3	3	**TP240136501**	Price
10-24	1.5P - 2P	H3	3	**TP240136701**	Price
10-24	2.5P - 3P	H3	3	**TP241732401**	Price
10-32	1.5P - 2P	H3	3	**TP240136901**	Price
10-32	2.5P - 3P	H3	3	**TP241732501**	Price
1/4-20	1.5P - 2P	H3	3	**TP240137101**	Price
1/4-20	2.5P - 3P	H3	3	**TP241732601**	Price
1/4-28	1.5P - 2P	H3	3	**TP240137301**	Price
1/4-28	2.5P - 3P	H3	3	**TP241732701**	Price
5/16-18	1.5P - 2P	H3	3	**TP240137501**	Price
5/16-18	2.5P - 3P	H3	3	**TP241732801**	Price
5/16-24	1.5P - 2P	H3	3	**TP240137701**	Price
5/16-24	2.5P - 3P	H3	3	**TP241732901**	Price
3/8-16	1.5P - 2P	H3	3	**TP240137901**	Price
3/8-16	2.5P - 3P	H3	3	**TP241733001**	Price
3/8-16	2.5P - 3P	H5	3	**TP241723001**	Price

Size	Chamfer Length	Thread Limits	No. of Flutes	Order No.	Price
3/8-24	1.5P - 2P	H3	3	**TP240138101**	Price
3/8-24	2.5P - 3P	H3	3	**TP241733101**	Price
7/16-14	1.5P - 2P	H3	3	**TP240138301**	Price
7/16-14	2.5P - 3P	H3	3	**TP241733201**	Price
7/16-14	2.5P - 3P	H5	3	**TP241723201**	Price
7/16-20	1.5P - 2P	H3	3	**TP240138401**	Price
7/16-20	1.5P - 2P	H5	3	**TP240138501**	Price
7/16-20	2.5P - 3P	H3	3	**TP241733301**	Price
7/16-20	2.5P - 3P	H5	3	**TP241723301**	Price
1/2-13	1.5P - 2P	H3	3	**TP240138601**	Price
1/2-13	2.5P - 3P	H3	3	**TP241733401**	Price
1/2-13	2.5P - 3P	H5	3	**TP241723401**	Price
1/2-20	1.5P - 2P	H3	3	**TP240138801**	Price
1/2-20	2.5P - 3P	H3	3	**TP241733501**	Price
1/2-20	2.5P - 3P	H5	3	**TP241723501**	Price
5/8-11	1.5P - 2P	H3	4	**TP240139201**	Price
5/8-11	2.5P - 3P	H3	4	**TP241733601**	Price
5/8-18	1.5P - 2P	H3	4	**TP240139401**	Price
5/8-18	2.5P - 3P	H3	4	**TP241733701**	Price
3/4-10	1.5P - 2P	H3	4	**TP240139601**	Price
3/4-10	2.5P - 3P	H3	4	**TP241733801**	Price
3/4-16	1.5P - 2P	H3	4	**TP240139801**	Price
3/4-16	2.5P - 3P	H3	4	**TP241733901**	Price
7/8-9	2.5P - 3P	H4	4	**TP241726201**	Price
7/8-14	1.5P - 2P	H4	4	**TP240140001**	Price
7/8-14	2.5P - 3P	H4	4	**TP241726301**	Price
1-8	2.5P - 3P	H4	4	**TP241726401**	Price

ONYX Spiral Pointed Plug Taps



CNC Style • Steam Oxide or Bright Finish

- **Steam Oxide over Nitride** - increases wear resistance, reduces friction, reduces galling and chip welding, improves chip flow and increases tap lubricant retention - not recommended for non-ferrous materials
- **Bright Finish** for tapping a wide range of materials including non-ferrous materials
- For tapping a wide range of materials up to 28Rc hardness
- **CNC Reduced Neck Design and Shorter Thread Length -** for increased coolant flow to the cutting edge, enhanced chip evacuation and reduced contact between tap and workpiece
- Morse List # 2101M

						Bright Finish		Steam Oxide	
Size	Thread Limits	No. of Flutes	Thread Length (in.)	Neck Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
4-40	H2	2	.3130	.2500	1-7/8	**MT7930820**	Price	**MT7934700**	Price
6-32	H3	2	.3750	.3130	2	**MT7930822**	Price	**MT7934701**	Price
8-32	H3	2	.3750	.3750	2-1/8	**MT7930824**	Price	**MT7934702**	Price
8-32	H3	3	.3750	.3750	2-1/8	**MT7930826**	Price	**MT7934703**	Price
10-24	H3	2	.5000	.3750	2-3/8	**MT7930827**	Price	**MT7934704**	Price
10-24	H3	3	.5000	.3750	2-3/8	**MT7930828**	Price	**MT7934705**	Price
10-32	H3	2	.5000	.3750	2-3/8	**MT7930829**	Price	**MT7934706**	Price
10-32	H3	3	.5000	.3750	2-3/8	**MT7930830**	Price	**MT7934707**	Price
12-24	H3	3	.5000	.3750	2-3/8	**MT7930831**	Price	**MT7934708**	Price
1/4-20	H3	2	.6250	.3750	2-1/2	**MT7930833**	Price	**MT7934710**	Price
1/4-20	H3	3	.6250	.3750	2-1/2	**MT7930834**	Price	**MT7934711**	Price
1/4-28	H3	3	.6250	.3750	2-1/2	**MT7930836**	Price	**MT7934713**	Price
5/16-18	H3	3	.6880	.4380	2-23/32	**MT7930838**	Price	**MT7934714**	Price
5/16-24	H3	3	.6880	.4380	2-23/32	**MT7930840**	Price	**MT7934715**	Price
3/8-16	H3	3	.7500	.5000	2-15/16	**MT7930841**	Price	**MT7934716**	Price
3/8-24	H3	3	.7500	.5000	2-15/16	**MT7930842**	Price	**MT7934717**	Price
7/16-14	H3	3	.8750	.5630	3-5/32	**MT7930843**	Price	**MT7934718**	Price
7/16-20	H3	3	.8750	.5630	3-5/32	**MT7930844**	Price	**MT7934719**	Price
1/2-13	H3	3	.9380	.7190	3-3/8	**MT7930845**	Price	**MT7934720**	Price
1/2-20	H3	3	.9380	.7190	3-3/8	**MT7930846**	Price	**MT7934721**	Price
9/16-12	H3	4	1.0000	.6730	3-19/32	**MT7930847**	Price	**MT7934722**	Price
5/8-11	H3	4	1.1250	.6730	3-13/16	**MT7930849**	Price	**MT7934724**	Price
5/8-18	H3	4	1.1250	.6730	3-13/16	**MT7930850**	Price	**MT7934725**	Price
3/4-10	H3	4	1.2190	.7660	4-1/4	**MT7930851**	Price	**MT7934726**	Price
3/4-16	H3	4	1.2190	.7660	4-1/4	**MT7930852**	Price	**MT7934727**	Price
7/8-9	H4	4	1.3440	.8750	4-11/16	**MT7930853**	Price	**MT7934728**	Price
7/8-14	H4	4	1.3440	.8750	4-11/16	**MT7930854**	Price	**MT7934729**	Price
1-8	H4	4	1.5000	1.0000	5-1/8	**MT7930855**	Price	**MT7934730**	Price
1-12	H4	4	1.5000	1.0000	5-1/8	**MT7930856**	Price	**MT7934731**	Price
1-14	H4	4	1.5000	1.0000	5-1/8	**MT7930857**	Price	**MT7934742**	Price
1-1/8-7	H4	4	1.7190	.8430	5-7/16	**MT7930858**	Price	**MT7934732**	Price
1-1/8-12	H4	4	1.7190	.8430	5-7/16	**MT7930859**	Price	**MT7934733**	Price
1-1/4-7	H4	4	1.7190	.8430	5-3/4	**MT7930860**	Price	**MT7934734**	Price
1-1/4-12	H4	4	1.7190	.8430	5-3/4	**MT7930861**	Price	**MT7934735**	Price
1-3/8-6	H4	4	2.0000	1.0000	6-1/16	**MT7930862**	Price	**MT7934736**	Price
1-3/8-12	H4	4	2.0000	1.0000	6-1/16	**MT7930863**	Price	**MT7934737**	Price
1-1/2-6	H4	6	2.0000	1.0000	6-3/8	**MT7930864**	Price	**MT7934738**	Price
1-1/2-12	H4	6	2.0000	1.0000	6-3/8	**MT7930865**	Price	**MT7934739**	Price

EXOTAP® VA-3 Spiral Pointed Taps - Long Shank

Steam Oxide Finish

- Ideal for stainless steel
- OSG List #397





Size	Thread Limits	No. of Flutes	Neck Length	OAL (in.)	Order No.	Price
4-40	H2	2	.8430	4	**TP241764001**	Price
6-32	H3	2	1.031	4	**TP241764101**	Price
6-32	H3	2	1.031	6	**TP241764201**	Price
8-32	H3	3	1.125	4	**TP241764301**	Price
8-32	H3	3	1.125	6	**TP241764401**	Price
10-24	H3	3	1.312	4	**TP241764501**	Price
10-24	H3	3	1.312	6	**TP241764601**	Price
10-32	H3	3	1.312	4	**TP241764701**	Price
10-32	H3	3	1.312	6	**TP241764801**	Price
1/4-20	H3	3	1.500	4	**TP241764901**	Price
1/4-20	H3	3	1.500	6	**TP241765001**	Price

Size	Thread Limits	No. of Flutes	Neck Length	OAL (in.)	Order No.	Price
1/4-28	H3	3	1.500	6	**TP241765101**	Price
5/16-18	H3	3	1.687	6	**TP241765201**	Price
5/16-24	H3	3	1.687	6	**TP241765701**	Price
3/8-16	H3	3	1.875	6	**TP241765301**	Price
3/8-24	H3	3	1.875	6	**TP241765801**	Price
7/16-14	H3	3	-	6	**TP241765401**	Price
7/16-20	H3	3	-	6	**TP241765901**	Price
1/2-13	H3	3	-	6	**TP241765501**	Price
1/2-20	H3	3	-	6	**TP241766001**	Price
5/8-11	H3	3	-	6	**TP241765601**	Price

EXOTAP® VA-3 Spiral Fluted Taps - Long Shank

Steam Oxide Finish

- A special relief combined with the flute construction provides free cutting, rapid chip removal in stainless steel
- Modified bottoming
- OSG List #398



Size	Thread Limits	Neck Length	No. of Flutes	OAL (in.)	Order No.	Price
10-24	H3	1.312	3	4	**TP241767101**	Price
10-24	H3	1.312	3	6	**TP241767301**	Price
10-32	H3	1.312	3	4	**TP241767501**	Price
10-32	H3	1.312	3	6	**TP240144001†**	Price
10-32	H3	1.312	3	6	**TP241767701**	Price
1/4-20	H3	1.500	3	4	**TP241767901**	Price
1/4-20	H3	1.500	3	6	**TP240144101†**	Price
1/4-20	H3	1.500	3	6	**TP241768101**	Price
5/16-18	H3	1.687	3	6	**TP240144301†**	Price
5/16-18	H3	1.687	3	6	**TP241768501**	Price
5/16-24	H3	1.687	3	6	**TP241768601**	Price
3/8-16	H3	1.875	3	6	**TP240144401†**	Price
3/8-16	H3	1.875	3	6	**TP241768701**	Price
3/8-24	H3	1.875	3	6	**TP240144501†**	Price
3/8-24	H3	1.875	3	6	**TP241768801**	Price

†Bottoming style

HY-PRO® VXL-W Spiral Fluted Taps

Steam Oxide Finish

- Premium vanadium high speed steel
- For vertical applications
- DIN overall length
- Modified bottom chamfer
- Recommended for cast iron, carbon steels, alloy steels and hardened steels up to 35 HrC
- OSG List #13117



Size	Thread Limit	No. of Flutes	OAL	Order No.	Price
M16x2.0	D7	4	110mm	**TP221311702401**	Price
M16x2.0	D7	4	180mm	**TP221311702501**	Price
M16x2.0	D17	4	110mm	**TP221311702301**	Price
M20x2.5	D8	4	140mm	**TP221311700101**	Price
M20x2.5	D8	4	200mm	**TP221311700201**	Price
M24x3.0	D9	5	160mm	**TP221311700401**	Price
M24x3.0	D9	5	200mm	**TP221311700501**	Price
M27x3.0	D9	5	160mm	**TP221311700601**	Price
M30x3.5	D10	5	180mm	**TP221311700801**	Price
M33x3.5	D10	5	180mm	**TP221311701001**	Price
M36x4.0	D11	5	250mm	**TP221311701301**	Price

HY-PRO® -VXL Spiral Fluted Taps

Steam Oxide Finish

- Premium vanadium high speed steel
- For vertical applications
- DIN overall length
- Modified bottom chamfer
- Recommended for cast iron, carbon steels, alloy steels and hardened steels up to 35 HrC
- OSG List #13015



Size	Thread Limit	No. of Flutes	OAL	Order No.	Price
1/2-13	2B	4	110mm	**TP491301502601**	Price
9/16-18	2B	4	100mm	**TP491301500201**	Price
5/8-11	2B	4	110mm	**TP491301500301**	Price
3/4-10	2B	4	125mm	**TP491301500501**	Price
7/8-9	2B	4	140mm	**TP491301500601**	Price
1-8	2B	4	160mm	**TP491301500701**	Price
1-12	2B	5	140mm	**TP491301503001**	Price
1-1/8-7	2B	4	180mm	**TP491301500901**	Price
1-1/4-7	2B	5	180mm	**TP491301501201**	Price
1-3/8-8	2B	5	200mm	**TP491301501701**	Price
1-1/2-6	2B	5	200mm	**TP491301501801**	Price
1-1/2-8	2B	5	200mm	**TP491301502001**	Price
1-5/8-8	2B	6	200mm	**TP491301502101**	Price
1-7/8-8	2B	6	225mm	**TP491301502301**	Price

HY-PRO® SEVEN Spiral Point Plug Taps

Bright Finish

- 2B & 3B Class of fit
- Designed for tapping aluminum, mild steels and medium carbon steels
- Short thread geometry



- Results in highest fast speed tapping & max tool life
- OSG List #288

Inch					
		2B		Price	
Size	No. of Flutes	Order No.	Price	Order No.	Price
0-80	2	**TP202884100**	Price	-	-
2-56	2	**TP202884400**	Price	-	-
4-40	2	**TP202885000**	Price	**TP202880000**	Price
4-48	2	**TP202886400**	Price	-	-
6-32	2	**TP202885200**	Price	**TP202880200**	Price
8-32	2	**TP202885300**	Price	**TP202880300**	Price
10-24	2	**TP202885400**	Price	**TP202880400**	Price
10-32	2	**TP202885500**	Price	**TP202880500**	Price
12-24	2	**TP202886800**	Price	-	-
1/4-20	2	**TP202885600**	Price	**TP202880600**	Price
1/4-28	3	**TP202885700**	Price	**TP202880700**	Price
5/16-18	2	**TP202885800**	Price	**TP202880800**	Price
5/16-24	3	**TP202885900**	Price	**TP202880900**	Price
3/8-16	3	**TP202886000**	Price	**TP202881000**	Price
3/8-24	3	**TP202886100**	Price	**TP202881100**	Price

Inch					
		2B		Price	
Size	No. of Flutes	Order No.	Price	Order No.	Price
7/16-14	3	**TP202886900**	Price	-	-
7/16-20	3	**TP202887000**	Price	-	-
1/2-13	3	**TP202886200**	Price	**TP202881200**	Price
1/2-20	3	**TP202886300**	Price	**TP202881300**	Price

Metric			
		6H	
Size	No. of Flutes	Order No.	Price
M3x0.50	2	**TP202888000**	Price
M4x0.70	2	**TP202888100**	Price
M5x0.80	2	**TP202888200**	Price
M6x1.0	3	**TP202888300**	Price
M8x1.25	3	**TP202888400**	Price
M10x1.5	3	**TP202888500**	Price
M12x1.75	3	**TP202888600**	Price

HY-PRO® SEVEN Spiral Flute Bottoming Taps



Bright Finish

- 2B & 6H class of fit
- Designed for tapping aluminum, mild steels and medium carbon steels
- Highest speed tapping without chip packing
- OSG List #298

Size Type - Inch				
Size	No. of Flutes	Thread Limit	Order No.	Price
4-40	2	2B	**TP212985000**	Price
6-32	2	2B	**TP212985200**	Price
8-32	3	2B	**TP212985300**	Price
8-36	3	2B	**TP212986700**	Price
10-24	3	2B	**TP212985400**	Price
10-32	3	2B	**TP212985500**	Price
1/4-20	3	2B	**TP212985600**	Price
1/4-28	3	2B	**TP212985700**	Price
5/16-18	3	2B	**TP212985800**	Price
5/16-24	3	2B	**TP212985900**	Price
3/8-16	3	2B	**TP212986000**	Price
3/8-24	3	2B	**TP212986100**	Price
7/16-14	3	2B	**TP212986900**	Price

Size Type - Inch				
Size	No. of Flutes	Thread Limit	Order No.	Price
7/16-20	3	2B	**TP212987000**	Price
1/2-13	3	2B	**TP212986200**	Price
1/2-20	3	2B	**TP212986300**	Price

Size Type - Metric				
Size	No. of Flutes	Thread Limit	Order No.	Price
M3x0.50	2	6H	**TP212988000**	Price
M4x0.70	3	6H	**TP212988100**	Price
M5x0.80	3	6H	**TP212988200**	Price
M6x1.0	3	6H	**TP212988300**	Price
M8x1.25	3	6H	**TP212988400**	Price
M10x1.5	3	6H	**TP212988500**	Price
M12x1.75	3	6H	**TP212988600**	Price

EXOTIN® Spiral Point Plug Style



TiN Coated

- Designed for tough-to-machine steels
- Best for use with 1065 high carbon steel, 400 & 17-4ph stainless steel
- OSG List #320

Size	Thread Limits	No. of Flutes	Order No.	Price
4-40	H2	2	**TP231740005**	Price
5-40	H2	2	**TP231740105**	Price
6-32	H3	2	**TP231740205**	Price
8-32	H3	3	**TP231740305**	Price
10-24	H3	3	**TP231740405**	Price
10-32	H3	3	**TP231740505**	Price
1/4-20	H3	3	**TP231740605**	Price
1/4-28	H3	3	**TP231740705**	Price
5/16-18	H3	3	**TP231740805**	Price
5/16-24	H3	3	**TP231740905**	Price

Size	Thread Limits	No. of Flutes	Order No.	Price
3/8-16	H3	3	**TP231741005**	Price
3/8-24	H3	3	**TP231741105**	Price
7/16-14	H3	3	**TP231741205**	Price
7/16-20	H3	3	**TP231741305**	Price
1/2-13	H3	3	**TP231741405**	Price
1/2-20	H3	3	**TP231741505**	Price
5/8-11	H3	3	**TP231741605**	Price
5/8-18	H3	3	**TP231741705**	Price
3/4-10	H3	3	**TP231741805**	Price
3/4-16	H3	3	**TP231741905**	Price

WIDIA High Performance Plug Taps



HSS-E • Spiral Point

- Uncoated
- TiN coated
- TiCN coated
- Oxide

					Oxide		TiCN		TiN		Uncoated	
Size	Thread Limit	No. of Flutes	Thread Length	OAL	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M2x0.40	6H	2	7mm	45mm	**WK315366648**	Price	-	-	-	-	-	-
M3x0.50	D3	2	14.8mm	49.3mm	**WK315362589**	Price	**WK315362670**	Price	-	-	-	-
M3x0.50	D3	3	14.8mm	49.3mm	**WK315631640**	Price	**WK315631641**	Price	-	-	-	-
M3.5x0.60	D4	3	9.7mm	50.5mm	**WK315631646**	Price	**WK315631647**	Price	-	-	-	-
M4x0.70	D4	2	9.7mm	53.8mm	**WK315362691**	Price	**WK315362692**	Price	**WK315362693**	Price	-	-
M4x0.70	D4	3	9.7mm	53.8mm	**WK315631651**	Price	**WK315631652**	Price	-	-	-	-
M5x0.50	6H	2	12mm	70mm	-	-	-	-	-	-	**WK315368607**	Price
M5x0.80	D4	2	12.7mm	60.3mm	**WK315362697**	Price	**WK315362698**	Price	**WK315362699**	Price	-	-
M5x0.80	D4	3	12.7mm	60.3mm	**WK315631658**	Price	**WK315631659**	Price	-	-	-	-
M6x1.0	6H	3	12mm	80mm	-	-	**WK315368178**	Price	-	-	-	-
M6x1.0	D5	3	16mm	63.5mm	**WK315362703**	Price	**WK315362704**	Price	**WK315362705**	Price	**WK315362706**	Price
M7x1.0	D5	3	17.5mm	69.2mm	**WK315362709**	Price	**WK315362710**	Price	-	-	-	-
M8x1.0	D5	3	17.5mm	68.7mm	**WK315362714**	Price	**WK315362715**	Price	-	-	-	-
M8x1.25	6H	3	15mm	89.8mm	**WK315368179**	Price	**WK315368180**	Price	-	-	-	-
M8x1.25	D5	3	17.5mm	68.9mm	**WK315362720**	Price	**WK315362722**	Price	**WK315362723**	Price	**WK315362724**	Price
M10x1.0	D5	3	19.1mm	74mm	**WK315362729**	Price	**WK315362730**	Price	-	-	-	-
M10x1.25	D5	3	18.9mm	74.1mm	**WK315367304**	Price	**WK315367305**	Price	-	-	-	-
M10x1.5	6H	3	18mm	100mm	**WK315368183**	Price	**WK315368480**	Price	-	-	-	-
M10x1.5	D6	3	19.1mm	74.3mm	**WK315367309**	Price	**WK315367340**	Price	-	-	-	-
M12x1.25	D6	3	23.9mm	85.8mm	**WK315367345**	Price	**WK315367346**	Price	-	-	-	-
M12x1.5	D6	3	23.9mm	85.9mm	**WK315367350**	Price	**WK315367351**	Price	-	-	-	-
M12x1.75	D6	3	23.9mm	85.9mm	**WK315367355**	Price	**WK315367356**	Price	-	-	-	-

(continued next page)

WIDIA High Performance Plug Taps (cont.)



					Oxide		TiCN		TiN		Uncoated	
Size	Thread Limit	No. of Flutes	Thread Length	OAL	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
M14x1.5	D6	3	25.4mm	91.2mm	**WK315367361**	Price	**WK315367362**	Price	-	-	-	-
M14x2.0	D7	3	25.4mm	91.2mm	**WK315367364**	Price	**WK315367365**	Price	-	-	-	-
M16x1.5	D6	3	27.7mm	96.8mm	**WK315366475**	Price	**WK315366476**	Price	-	-	-	-
M16x2.0	D7	3	27.7mm	96.8mm	**WK315366479**	Price	**WK315366480**	Price	-	-	-	-
M18x1.5	D6	3	27.7mm	102.4mm	**WK315366483**	Price	**WK315366485**	Price	-	-	-	-
M18x2.5	D7	3	31mm	102.4mm	**WK315366487**	Price	**WK315366488**	Price	-	-	-	-
M20x1.5	D6	3	31mm	113.5mm	**WK315366490**	Price	**WK315366491**	Price	-	-	-	-
M20x2.5	D7	3	31mm	113.5mm	**WK315366492**	Price	**WK315366493**	Price	-	-	-	-
M22x1.5	D6	3	31mm	119.1mm	**WK315366494**	Price	-	-	-	-	-	-
M22x2.5	D7	3	31mm	119.1mm	**WK315366495**	Price	-	-	-	-	-	-
M24x2.0	D7	3	31mm	124.7mm	**WK315366496**	Price	-	-	-	-	-	-
M24x3.0	D8	3	31mm	124.7mm	**WK315366497**	Price	-	-	-	-	-	-
M27x1.5	D7	4	31mm	130.3mm	**WK315366498**	Price	-	-	-	-	-	-
M27x3.0	D8	4	31mm	130.3mm	**WK315366499**	Price	-	-	-	-	-	-
M30x1.5	D6	4	31mm	138.2mm	**WK315366510**	Price	-	-	-	-	-	-
M30x3.5	D9	4	31mm	138.2mm	**WK315366511**	Price	-	-	-	-	-	-

EXOTAP® DC Bottom Taps

TiCN Coated



- Designed for tapping cast aluminum and cast iron
- Recommended use with synchronized spindle
- DIN overall length
- VC10 material to achieve high-speed tapping & long tool life
- OSG List #10052 (inch) / #11052 (metric)



Size Type - Inch					
Size	Thread Limits	No. of Flutes	OAL	Order No.	Price
1/4-20	H3	4	80mm	**TP291005200108**	Price
1/4-28	H3	4	80mm	**TP291005200308**	Price
5/16-18	H3	4	90mm	**TP291005200408**	Price
5/16-24	H3	4	90mm	**TP291005200608**	Price
3/8-16	H3	4	100mm	**TP291005200708**	Price
3/8-24	H3	4	100mm	**TP291005200908**	Price
7/16-14	H3	4	100mm	**TP291005201008**	Price
7/16-20	H3	4	100mm	**TP291005201208**	Price
1/2-13	H3	4	110mm	**TP291005201408**	Price
1/2-20	H3	4	100mm	**TP291005201608**	Price
9/16-12	H3	5	110mm	**TP291005201808**	Price
9/16-18	H3	5	100mm	**TP291005202008**	Price
5/8-11	H3	5	110mm	**TP291005202208**	Price
5/8-18	H3	5	100mm	**TP291005202408**	Price
3/4-10	H3	5	125mm	**TP291005202608**	Price

Size Type - Metric					
Size	Thread Limits	No. of Flutes	OAL	Order No.	Price
M6x1.0	D5	3	80mm	**TP291105200108**	Price
M8x1.25	D5	4	90mm	**TP291105200208**	Price
M10x1.0	D5	4	90mm	**TP291105200308**	Price
M10x1.25	D6	4	100mm	**TP291105200408**	Price
M10x1.5	D6	4	100mm	**TP291105200508**	Price
M12x1.25	D6	4	100mm	**TP291105200608**	Price
M12x1.5	D6	4	100mm	**TP291105200708**	Price
M12x1.75	D6	4	110mm	**TP291105200808**	Price
M14x1.5	D7	5	100mm	**TP291105200908**	Price
M14x2.0	D7	5	110mm	**TP291105201008**	Price

EXOTAP® DC Oil Bottom Taps

Coolant Thru • TiCN Coated



- Designed for tapping cast aluminum and cast iron
- Recommended use with synchronized spindle
- DIN overall length
- VC10 material to achieve high-speed tapping & long tool life
- OSG List #10053 (inch) / #11053 (metric)



Size Type - Inch					
Size	Thread Limits	No. of Flutes	OAL	Order No.	Price
1/4-20	H3	4	80mm	**TP291005300108**	Price
1/4-28	H3	4	80mm	**TP291005300308**	Price
5/16-18	H3	4	90mm	**TP291005300408**	Price
5/16-24	H3	4	90mm	**TP291005300608**	Price
3/8-16	H3	4	100mm	**TP291005300708**	Price
3/8-24	H3	4	100mm	**TP291005300908**	Price
7/16-14	H3	4	100mm	**TP291005301008**	Price
7/16-20	H3	4	100mm	**TP291005301208**	Price
1/2-13	H3	4	110mm	**TP291005301408**	Price
1/2-20	H3	4	100mm	**TP291005301608**	Price

Size Type - Metric					
Size	Thread Limits	No. of Flutes	OAL	Order No.	Price
M6x1.0	D5	3	80mm	**TP291105300108**	Price
M8x1.25	D5	4	90mm	**TP291105300208**	Price
M10x1.25	D6	4	100mm	**TP291105300308**	Price
M10x1.5	D6	4	100mm	**TP291105300408**	Price
M12x1.5	D6	4	100mm	**TP291105300508**	Price
M12x1.75	D6	4	110mm	**TP291105300608**	Price
M14x1.5	D7	5	100mm	**TP291105300708**	Price
M14x2.0	D7	5	110mm	**TP291105300808**	Price

EXOTAP® DC Oil Bottom Taps

Coolant Thru • TiCN Coated



- Designed for tapping cast aluminum and cast iron
- Recommended use with synchronized spindle
- DIN shank



- DIN overall length
- VC10 material to achieve high-speed tapping & long tool life
- OSG List #11055

Size	Thread Limits	No. of Flutes	OAL	Order No.	Price
M6x1.0	D5	3	80mm	**TP291105500108**	Price
M8x1.25	D5	4	90mm	**TP291105500208**	Price

Size	Thread Limits	No. of Flutes	OAL	Order No.	Price
M10x1.5	D6	4	100mm	**TP291105500308**	Price
M12x1.75	D6	4	110mm	**TP291105500408**	Price

EXOTAP® DC Oil Bottom Taps

Coolant Thru • TiCN Coated





- Designed for tapping cast aluminum and cast iron
- Provides excellent tool life
- Recommended use with synchronized spindle
- OSG List #10057 (inch) / #11057 (metric)

Size Type - Inch				
Size	Thread Limits	No. of Flutes	Order No.	Price
1/4-20	H3	4	**TP291005700108**	Price
1/4-28	H3	4	**TP291005700308**	Price
5/16-18	H3	4	**TP291005700408**	Price
5/16-24	H3	4	**TP291005700608**	Price
3/8-16	H3	4	**TP291005700708**	Price
3/8-24	H3	4	**TP291005700908**	Price
7/16-14	H3	4	**TP291005701008**	Price
7/16-20	H3	4	**TP291005701208**	Price
1/2-13	H3	4	**TP291005701408**	Price
1/2-20	H3	4	**TP291005701608**	Price

Size Type - Metric				
Size	Thread Limits	No. of Flutes	Order No.	Price
M6x1.0	D5	3	**TP291105700108**	Price
M8x1.25	D5	4	**TP291105700208**	Price
M10x1.25	D6	4	**TP291105700308**	Price
M10x1.5	D6	4	**TP291105700408**	Price
M12x1.5	D6	4	**TP291105700508**	Price
M12x1.75	D6	4	**TP291105700608**	Price
M14x1.5	D7	5	**TP291105700708**	Price
M14x2.0	D7	5	**TP291105700808**	Price

EXOTAP® VC-10TI Spiral Point and Spiral Flute Taps

TiCN Coated



- High performance taps for titanium alloys
- VC-10 premium powdered high speed steel
- Designed for use in titanium alloys and nickel based alloys such as inconel and hastelloy



- Hardened steels up to 42 HrC
- OSG List #313Ti (spiral fluted)
- OSG List #312Ti (spiral pointed)

			Spiral Flute		Spiral Flute Mod.Bottoming		Spiral Point Plug	
			313TI		313TI		Price	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
2-56	H2	3	-	-	**TP251305710108**	Price	**TP251105610108**	Price
4-40	H2	3	-	-	**TP251305710208**	Price	**TP251105610208**	Price
6-32	H2	3	-	-	**TP251305710408**	Price	**TP251105610408**	Price
6-32	H3	3	-	-	**TP251305710508**	Price	**TP251105610508**	Price
6-40	H2	3	-	-	**TP251305710608**	Price	**TP251105610608**	Price
8-32	H2	3	-	-	**TP251305710708**	Price	**TP251105610708**	Price
8-32	H3	3	-	-	**TP251305710808**	Price	**TP251105610808**	Price
8-36	H2	3	-	-	**TP251305710908**	Price	**TP251105610908**	Price
10-24	H3	3	-	-	**TP251305711008**	Price	**TP251105611008**	Price
10-32	H2	3	-	-	**TP251305711108**	Price	**TP251105611108**	Price
10-32	H3	3	-	-	**TP251305711208**	Price	**TP251105611208**	Price
1/4-20	H3	3	-	-	**TP251305711308**	Price	**TP251105611308**	Price
1/4-20	H5	3	**TP251305711408**	Price	-	-	-	-
1/4-28	H3	3	-	-	**TP251305711508**	Price	**TP251105611508**	Price
1/4-28	H4	3	**TP251305711608**	Price	-	-	-	-
5/16-18	H3	3	-	-	**TP251305711708**	Price	**TP251105611708**	Price
5/16-18	H5	3	-	-	-	-	**TP251105611808**	Price
5/16-24	H3	3	-	-	**TP251305711908**	Price	**TP251105611908**	Price
3/8-16	H3	3	-	-	**TP251305712108**	Price	**TP251105612108**	Price
3/8-16	H5	3	**TP251305712208**	Price	-	-	-	-
3/8-24	H3	3	-	-	**TP251305712308**	Price	**TP251105612308**	Price
7/16-14	H3	3	-	-	**TP251305712508**	Price	**TP251105612508**	Price
7/16-20	H3	3	-	-	**TP251305712708**	Price	**TP251105612708**	Price
1/2-13	H3	3	-	-	**TP251305712908**	Price	**TP251105612908**	Price
1/2-13	H5	3	**TP251305713008**	Price	-	-	-	-
1/2-20	H3	3	-	-	**TP251305713108**	Price	**TP251105613108**	Price

EXOTAP® VC-10TI Spiral Point and Spiral Flute Taps (cont.)



			Spiral Flute		Spiral Flute Mod.Bottoming		Spiral Point Plug	
			313TI		313TI		Price	
Size	Thread Limits	No. of Flutes	Order No.	Price	Order No.	Price	Order No.	Price
9/16-18	H3	3	-	-	TP251305713308	Price	TP251105613308	Price
5/8-11	H3	3	-	-	-	-	TP251105613508	Price
5/8-11	H3	4	-	-	TP251305713508	Price	-	-
5/8-18	H3	3	-	-	-	-	TP251105613608	Price
5/8-18	H3	4	-	-	TP251305713608	Price	-	-
3/4-10	H5	4	-	-	TP251305713808	Price	TP251105613808	Price
3/4-16	H5	4	-	-	TP251305714008	Price	TP251105614008	Price
7/8-9	H5	4	-	-	TP251305714308	Price	TP251105614308	Price
7/8-14	H5	4	-	-	TP251305714508	Price	TP251105614508	Price
1-8	H5	4	-	-	TP251305714108	Price	TP251105614108	Price

EXOTAP® VC-10Ni Spiral Flute Taps



VC-10 for Nickel Based Alloys • Steam Oxide Finish



- High performance spiral fluted taps
- VC-10 premium powered high speed steel
- OSG List #313Ni

Size	Thread Limits	No. of Flutes	Chamfer	Finish	Order No.	Price
2-56	H2	2	Semi-Bott	Steam Oxide	TP251770701	Price
4-40	H2	3	Mod-Bott	Steam Oxide	TP251719001	Price
4-40	H3	3	Mod-Bott	Steam Oxide	TP251719101	Price
6-32	H2	3	Bottoming	Steam Oxide	TP250140101	Price
6-32	H2	3	Semi-Bott	Steam Oxide	TP251720701	Price
6-32	H3	3	Mod-Bott	Steam Oxide	TP251709101	Price
8-32	H3	3	Mod-Bott	Steam Oxide	TP251709301	Price
8-32	H2	3	Bottoming	Steam Oxide	TP250140201	Price
10-24	H3	3	Mod-Bott	Steam Oxide	TP251719501	Price
10-32	H2	3	Semi-Bott	Steam Oxide	TP251770201	Price
10-32	H2	3	Bottoming	Steam Oxide	TP250140301	Price
10-32	H3	3	Mod-Bott	Steam Oxide	TP251709501	Price
1/4-20	H3	3	Bottoming	Steam Oxide	TP250140401	Price
1/4-20	H3	3	Mod-Bott	Steam Oxide	TP251719701	Price
1/4-28	H3	3	Mod-Bott	Steam Oxide	TP251709701	Price
1/4-28	H3	3	Bottoming	Steam Oxide	TP250140501	Price
5/16-18	H3	3	Mod-Bott	Steam Oxide	TP251719901	Price
5/16-24	H3	3	Mod-Bott	Steam Oxide	TP251709901	Price

Size	Thread Limits	No. of Flutes	Chamfer	Finish	Order No.	Price
5/16-24	H3	3	Bottoming	Steam Oxide	TP250140701	Price
3/8-16	H3	3	Mod-Bott	Steam Oxide	TP251720101	Price
3/8-24	H3	3	Mod-Bott	Steam Oxide	TP251710101	Price
3/8-24	H3	3	Bottoming	Steam Oxide	TP250140901	Price
7/16-14	H3	3	Mod-Bott	Steam Oxide	TP251720301	Price
7/16-20	H3	3	Mod-Bott	Steam Oxide	TP251710301	Price
1/2-13	H3	3	Mod-Bott	Steam Oxide	TP251720501	Price
7/16-20	H3	3	Bottoming	Steam Oxide	TP250141101	Price
1/2-20	H3	3	Mod-Bott	Steam Oxide	TP251710501	Price
1/2-20	H3	3	Bottoming	Steam Oxide	TP250141301	Price
5/8-11	H3	4	Semi-Bott	Steam Oxide	TP251710701	Price
5/8-18	H3	4	Semi-Bott	Steam Oxide	TP251710801	Price
3/4-10	H5	4	Semi-Bott	Steam Oxide	TP251711001	Price
3/4-16	H5	4	Semi-Bott	Steam Oxide	TP251711201	Price
7/8-9	H5	4	Semi-Bott	Steam Oxide	TP251711501	Price
7/8-14	H5	4	Semi-Bott	Steam Oxide	TP251711701	Price
1-8	H5	4	Semi-Bott	Steam Oxide	TP251711301	Price

HY-PRO® Spiral Fluted With Modified Bottom



Fractional • TiCN Coated

- For tapping medium to high carbon steels, alloy steels, cast iron, carbon steels, die steels, stainless steels hardened steel under 35 HrC
- OSG List # 290

Size	Thread Limit	No. of Flutes	Order No.	Price
3/8-16	H3	3	TP282931608	Price
3/8-16	H5	3	TP282941608	Price
3/8-16	H7	3	TP282942108	Price
3/8-24	H7	3	TP282941708	Price
7/16-20	H5	3	TP282942208	Price
1/2-13	H3	3	TP282932408	Price
1/2-13	H5	3	TP282942408	Price
1/2-13	H7	3	TP282942508	Price
5/8-11	H3	4	TP282933208	Price
3/4-10	H5	4	TP282943608	Price
3/4-16	H5	4	TP282943808	Price

HY-PRO® Spiral Fluted With Modified Bottom



Metric

- TiCN coated
- Designed for stainless steel 17-4PH, low carbon steels, stainless steel 300 & 400, medium-high carbon steels
- OSG List #299

Size	Thread Limits	No. of Flutes	Order No.	Price
M3x0.50	D3	3	TP282990408	Price
M4x0.70	D4	3	TP282990608	Price
M5x0.80	D4	3	TP282990808	Price
M6x1.0	D5	3	TP282991008	Price
M8x1.25	D5	3	TP282991408	Price
M10x1.25	D5	3	TP282991708	Price
M10x1.5	D6	3	TP282991808	Price
M12x1.75	D6	3	TP282992308	Price

WIDIA Victory™ Spiral Flute Taps



HSS-E-PM

- GM6515 TiN + CrC/C for stainless steel
- GP6520 TiCN for steel
- WS39MG oxide/nitride for nickel- and cobalt-based alloys
- WU32MG TiCN for nickel- and cobalt-based alloys

Size	Thread Limits	No. of Flutes	Style	Description	Order No.	Price
4-40	H2	3	Plug	WS39MG Oxide/Nitride	**WK345708148**	Price
6-32	H3	3	Plug	WU32MG TiCN	**WK345705279**	Price
8-32	3BX	3	Semi-Bottoming	GM6515 TiN + CrC/C	**WK343955136**	Price
8-32	H3	3	Plug	WS39MG Oxide/Nitride	**WK345708175**	Price
10-24	H3	3	Plug	WS39MG Oxide/Nitride	**WK345708014**	Price
10-32	H3	3	Plug	WS39MG Oxide/Nitride	**WK345708018**	Price
1/4-20	2BX	3	Semi-Bottoming	GM6515 TiN + CrC/C	**WK343955138**	Price
1/4-20	H3	3	Plug	WS39MG Oxide/Nitride	**WK345708201**	Price
1/4-20	H3	3	Plug	WU32MG TiCN	**WK345705275**	Price
1/4-20	3BX	3	Plug	GM6515 TiN + CrC/C	**WK343955285**	Price
1/4-20	3BX	3	Semi-Bottoming	GM6515 TiN + CrC/C	**WK343955139**	Price
1/4-20	2BX	3	Semi-Bottoming	GP6520 TiCN	**WK343955168**	Price
5/16-18	3BX	3	Semi-Bottoming	GM6515 TiN + CrC/C	**WK343955141**	Price
5/16-18	3BX	4	Semi-Bottoming	GP6520 TiCN	**WK344035542**	Price
5/16-18	H3	3	Plug	WS39MG Oxide/Nitride	**WK345708261**	Price
5/16-18	H3	3	Plug	WU32MG TiCN	**WK345705273**	Price
3/8-16	2BX	3	Semi-Bottoming	GP6520 TiCN	**WK343955172**	Price
3/8-16	H3	3	Plug	WS39MG Oxide/Nitride	**WK345708227**	Price
3/8-16	H3	3	Plug	WU32MG TiCN	**WK345705272**	Price
7/16-20	3BX	5	Semi-Bottoming	GP6520 TiCN	**WK343955199**	Price
1/2-13	2BX	4	Semi-Bottoming	GP6520 TiCN	**WK343955185**	Price
5/8-11	3BX	5	Semi-Bottoming	GM6515 TiN + CrC/C	**WK343955148**	Price
5/8-11	3BX	4	Semi-Bottoming	GP6520 TiCN	**WK344035571**	Price

WIDIA Victory™ Spiral Flute Taps



HSS-E-PM

- GP6520 TiCN for steel
- WP31MG TiN for steel 32–44 HRC
- WS30MG nitride for titanium and titanium alloys
- WS39MG oxide/nitride for nickel- and cobalt-based alloys

Size	Thread Limits	No. of Flutes	Style	Description	Order No.	Price
M2.5x0.45	D3	3	Semi-Bottoming	WS30MG Nitride	**WK345565219**	Price
M3x0.50	D3	3	Plug	WS39MG - Oxide/Nitride	**WK345708335**	Price
M4x0.70	D4	3	Plug	WS39MG - Oxide/Nitride	**WK345708337**	Price
M5x0.80	D4	3	Plug	WS39MG - Oxide/Nitride	**WK345708339**	Price
M6x1.0	6HX	3	Semi-Bottoming	GP6520 TiCN	**WK343955350**	Price
M6x1.0	D5	3	Semi-Bottoming	WS30MG Nitride	**WK345565227**	Price
M6x1.0	D5	3	Plug	WS39MG - Oxide/Nitride	**WK345708341**	Price
M10x1.5	D6	3	Plug	WS39MG - Oxide/Nitride	**WK345708323**	Price
M10x1.5	6HX	4	Semi-Bottoming	GP6520 TiCN	**WK344033753**	Price
M20x2.5	6HX	4	Plug	WP31MG TiN	**WK344153759**	Price

EXOTAP® VC-10Ni Spiral Pointed Taps

VC-10NI for Nickel Based Alloys



- Spiral point plug style steam oxide taps
- Designed for hard to machine materials
- OSG List #312Ni



Size	Thread Limits	No. of Flutes	Order No.	Price
4-40	H3	3	**TP251776301**	Price
6-32	H3	3	**TP251706301**	Price
8-32	H3	3	**TP251706501**	Price
10-24	H3	3	**TP251706701**	Price
10-32	H3	3	**TP251706901**	Price
10-32	H5	3	**TP251707001**	Price
1/4-20	H3	3	**TP251707101**	Price
1/4-28	H3	3	**TP251707301**	Price
5/16-18	H3	3	**TP251707501**	Price
5/16-18	H5	3	**TP251707601**	Price
5/16-24	H3	3	**TP251707701**	Price
3/8-16	H3	3	**TP251707901**	Price
3/8-24	H3	3	**TP251708101**	Price
7/16-14	H3	3	**TP251708301**	Price
7/16-20	H3	3	**TP251708501**	Price
1/2-13	H3	3	**TP251708701**	Price
1/2-20	H3	3	**TP251708901**	Price
9/16-18	H3	3	**TP251717201**	Price
5/8-11	H3	3	**TP251717401**	Price
5/8-18	H3	3	**TP251717501**	Price
3/4-10	H5	4	**TP251717701**	Price
3/4-16	H5	4	**TP251717901**	Price
1-8	H5	4	**TP251718001**	Price

HY-PRO® DIN Spiral Flute Taps

Coolant Thru • TiN Coated

- Designed for tapping hardened steel such as 4140, 4340, H-13, D-2 and 1055 up to 35 HRC as well as a variety of stainless steel
- TiN surface treatment and coolant through capability enables high speed tapping
- Recommended for use with a synchronized spindle
- DIN overall length
- Modified bottom
- OSG List #230 (inch) / #239 (metric)



Type - Inch					
Size	Class of Fit	No. of Flutes	OAL	Order No.	Price
1/4-20	2B	3	80mm	**TP282330005**	Price
5/16-18	2B	3	90mm	**TP282330805**	Price
3/8-16	2B	3	100mm	**TP282331605**	Price
1/2-13	2B	3	110mm	**TP282332405**	Price
5/8-11	2B	4	110mm	**TP282333205**	Price
3/4-10	2B	4	125mm	**TP282333605**	Price

Type - Metric					
Size	Class of Fit	No. of Flutes	OAL	Order No.	Price
M6x1.0	6H	3	80mm	**TP282391005**	Price
M8x1.25	6H	3	90mm	**TP282391405**	Price
M10x1.5	6H	3	100mm	**TP282391805**	Price
M12x1.5	6H	3	100mm	**TP282392205**	Price
M12x1.75	6H	3	110mm	**TP282392305**	Price
M14x1.5	6H	3	100mm	**TP282392505**	Price
M14x2.0	6H	3	110mm	**TP282392605**	Price
M16x2.0	6H	3	110mm	**TP282392905**	Price
M18x1.5	6H	4	110mm	**TP282393005**	Price
M18x2.5	6H	4	125mm	**TP282393205**	Price
M20x1.5	6H	4	125mm	**TP282393405**	Price
M20x2.5	6H	4	140mm	**TP282393605**	Price

HY-PRO® DIN Spiral Point Taps



Coolant Thru • TiN Coated

- Designed for tapping hardened steel such as 4140, 4340, H-13, D-2 and 1055 up to 35 HRC as well as a variety of stainless steel
- TiN surface treatment and coolant through capability enables high speed tapping
- Recommended for use with a synchronized spindle
- Plug style
- DIN overall length
- OSG List #260 (inch) / #269 (metric)

Type - Inch

Size	Class of Fit	No. of Flutes	OAL	Order No.	Price
1/4-20	2B	3	80mm	**TP282630005**	Price
5/16-18	2B	3	90mm	**TP282630805**	Price
3/8-16	2B	3	100mm	**TP282631605**	Price
1/2-13	2B	3	110mm	**TP282632405**	Price
5/8-11	2B	3	110mm	**TP282633205**	Price
3/4-10	2B	3	125mm	**TP282633605**	Price

Type - Metric

Size	Class of Fit	No. of Flutes	OAL	Order No.	Price
M6x1.0	6H	3	80mm	**TP282691005**	Price
M8x1.25	6H	3	90mm	**TP282691405**	Price
M10x1.5	6H	3	100mm	**TP282691805**	Price
M12x1.5	6H	3	100mm	**TP282692205**	Price
M12x1.75	6H	3	110mm	**TP282692305**	Price
M14x1.5	6H	3	100mm	**TP282692505**	Price

Type - Metric

Size	Class of Fit	No. of Flutes	OAL	Order No.	Price
M14x2.0	6H	3	110mm	**TP282692605**	Price
M16x2.0	6H	3	110mm	**TP282692905**	Price
M18x1.5	6H	3	110mm	**TP282693005**	Price
M18x2.5	6H	3	125mm	**TP282693205**	Price
M20x1.5	6H	3	125mm	**TP282693405**	Price
M20x2.5	6H	3	140mm	**TP282693605**	Price

EXOTAP® VC-10® Spiral Pointed Plug Style



TiCN Coated

- EXOTAP® VC-10® is the premium solution for unsurpassed performance in difficult to maching materials
- Designed for alloy steels, stainless steel 17-4PH, hardened steel up to 35 HrC, die steels, titanium, high nickel alloy, stainless steel 400, hardened steels up to 35-45HrC
- OSG List 312



Size	Thread Limits	No. of Flutes	Order No.	Price
4-40	H4	2	**TP251759208**	Price
6-32	H3	3	**TP251757208**	Price
6-32	H5	3	**TP251759608**	Price
8-32	H3	3	**TP251757308**	Price
10-24	H5	3	**TP251760208**	Price
10-32	H4	3	**TP251760408**	Price
1/4-20	H5	3	**TP251700208**	Price
1/4-28	H3	3	**TP251757708**	Price
3/8-16	H3	3	**TP251758008**	Price
3/8-16	H5	3	**TP251701008**	Price
3/8-24	H3	3	**TP251758108**	Price
3/4-10	H3	4	**TP241758808**	Price
3/4-16	H3	4	**TP251758908**	Price

EXOTAP® VC-10® Spiral Pointed Plug Style



Steam Oxide Finish

- Specially designed for difficult-to-machine materials
- Best for 400 & 17-4ph stainless steel and hardened steel up to 45 HRC
- OSG List 312 (inch sizes) / List 344 (metric)



Size Type - Inch

Size	Thread Limits	No. of Flutes	Order No.	Price
2-56	H2	2	**TP251759001**	Price
4-40	H3	2	**TP251759101**	Price
5-40	H2	3	**TP251757101**	Price
6-32	H3	3	**TP251757201**	Price
8-32	H3	3	**TP251757301**	Price
10-24	H3	3	**TP251757401**	Price
10-32	H3	3	**TP251757501**	Price
1/4-20	H3	3	**TP251757601**	Price
1/4-28	H3	3	**TP251757701**	Price
5/16-18	H3	3	**TP251757801**	Price
5/16-24	H3	3	**TP251757901**	Price
3/8-16	H3	3	**TP251758001**	Price
3/8-24	H3	3	**TP251758101**	Price
7/16-14	H3	3	**TP251758201**	Price
7/16-20	H3	3	**TP251758301**	Price
1/2-13	H3	3	**TP251758401**	Price

Size Type - Inch

Size	Thread Limits	No. of Flutes	Order No.	Price
1/2-20	H3	3	**TP251758501**	Price
5/8-11	H3	3	**TP251758601**	Price
5/8-18	H3	3	**TP251758701**	Price
3/4-10	H3	4	**TP251758801**	Price
3/4-16	H3	4	**TP251758901**	Price

Size Type - Metric

Size	Thread Limits	No. of Flutes	Order No.	Price
M3x0.50	D3	3	**TP251702201**	Price
M4x0.70	D4	3	**TP251702301**	Price
M5x0.80	D4	3	**TP251702401**	Price
M6x1.0	D5	3	**TP251702501**	Price
M8x1.25	D5	3	**TP251702601**	Price
M10x1.25	D5	3	**TP251702701**	Price
M10x1.5	D6	3	**TP251702801**	Price
M12x1.75	D6	3	**TP251702901**	Price

EXOTAP® VC-10 Spiral Fluted Taps

- Specially designed for difficult-to-machine materials
- Powdered metal with steam oxide finish
- Works best with 400, 17-4 PH stainless steels and hardened steels up to 45HrC
- Available in bottoming and modified bottoming
- OSG List #313





Size	Chamfer Length	Thread Limits	No. of Flutes	Order No.	Price
2-56	1.5P - 2P	H2	2	**TP250141701**	Price
2-56	2.5P - 3P	H2	2	**TP251754001**	Price
4-40	1.5P - 2P	H2	2	**TP250141801**	Price
4-40	2.5P - 3P	H3	2	**TP251754101**	Price
5-40	2.5P - 3P	H2	2	**TP251752101**	Price
6-32	1.5P - 2P	H3	2	**TP250141901**	Price
6-32	2.5P - 3P	H3	2	**TP251752201**	Price
8-32	1.5P - 2P	H3	2	**TP250142201**	Price
8-32	2.5P - 3P	H3	2	**TP251752301**	Price
10-24	2.5P - 3P	H3	3	**TP251752401**	Price
10-32	2.5P - 3P	H2	3	**TP251703101**	Price
10-32	1.5P - 2P	H3	3	**TP250142501**	Price
10-32	2.5P - 3P	H3	3	**TP251752501**	Price
1/4-20	2.5P - 3P	H3	3	**TP251752601**	Price
1/4-28	1.5P - 2P	H3	3	**TP250142701**	Price
1/4-28	1.5P - 2P	H4	3	**TP250142801**	Price
1/4-28	2.5P - 3P	H3	3	**TP251752701**	Price
1/4-28	2.5P - 3P	H5	3	**TP251703701**	Price
1/4-28	2.5P - 3P	H6	3	**TP251703801**	Price
5/16-18	2.5P - 3P	H3	3	**TP251752801**	Price

Size	Chamfer Length	Thread Limits	No. of Flutes	Order No.	Price
5/16-18	2.5P - 3P	H5	3	**TP251703901**	Price
5/16-24	1.5P - 2P	H3	3	**TP250142901**	Price
5/16-24	2.5P - 3P	H3	3	**TP251752901**	Price
3/8-16	2.5P - 3P	H3	3	**TP251753001**	Price
3/8-16	2.5P - 3P	H5	3	**TP251704301**	Price
3/8-24	1.5P - 2P	H3	3	**TP250143101**	Price
3/8-24	2.5P - 3P	H3	3	**TP251753101**	Price
7/16-14	2.5P - 3P	H3	3	**TP251753201**	Price
7/16-20	1.5P - 2P	H3	3	**TP250143301**	Price
7/16-20	2.5P - 3P	H3	3	**TP251753301**	Price
7/16-20	2.5P - 3P	H5	3	**TP251704801**	Price
1/2-13	2.5P - 3P	H3	3	**TP251753401**	Price
1/2-13	2.5P - 3P	H5	3	**TP241704901**	Price
1/2-20	1.5P - 2P	H3	3	**TP250143501**	Price
1/2-20	2.5P - 3P	H3	3	**TP251753501**	Price
1/2-20	2.5P - 3P	H5	3	**TP251705001**	Price
5/8-11	2.5P - 3P	H3	4	**TP251753601**	Price
5/8-18	2.5P - 3P	H3	4	**TP251753701**	Price
3/4-10	2.5P - 3P	H3	4	**TP251753801**	Price
3/4-16	2.5P - 3P	H3	4	**TP251753901**	Price

EXPRO®-XPF Forming Tap



Fractional Sizes

- Cobalt high speed steel
- Coolant thru
- OSG's V multi-layered coating
- DIN overall length
- Modified bottom chamfer
- Recommended for aluminum, carbon steels, alloy steels, die steels up to 20 HrC, stainless steels and hardened steels up to 35 HrC
- OSG List #16050

Size	Thread Limit	OAL	Order No.	Price
1/4-20	H4	80mm	**TP521605014204**	Price
1/4-20	H6	80mm	**TP521605014206**	Price
1/4-28	H4	80mm	**TP521605014284**	Price
1/4-28	H6	80mm	**TP521605014286**	Price
5/16-18	H5	90mm	**TP521605056185**	Price
5/16-18	H7	90mm	**TP521605056187**	Price
5/16-24	H5	90mm	**TP521605056245**	Price
5/16-24	H7	90mm	**TP521605056247**	Price
3/8-16	H5	100mm	**TP521605038165**	Price
3/8-16	H7	100mm	**TP521605038167**	Price
3/8-24	H5	100mm	**TP521605038245**	Price
3/8-24	H7	100mm	**TP521605038247**	Price
7/16-14	H5	100mm	**TP521605076145**	Price
7/16-14	H8	100mm	**TP521605076148**	Price
7/16-20	H5	100mm	**TP521605076205**	Price
7/16-20	H8	100mm	**TP521605076208**	Price
1/2-13	H5	110mm	**TP521605012135**	Price
1/2-13	H8	110mm	**TP521605012138**	Price
1/2-20	H5	100mm	**TP521605012205**	Price
1/2-20	H8	100mm	**TP521605012208**	Price

Size	Thread Limit	OAL	Order No.	Price
9/16-12	H7	110mm	**TP521605096127**	Price
9/16-12	H10	110mm	**TP521605096120**	Price
9/16-18	H7	100mm	**TP521605096187**	Price
9/16-18	H10	100mm	**TP521605096180**	Price
5/8-11	H7	110mm	**TP521605058117**	Price
5/8-11	H10	110mm	**TP521605058110**	Price
5/8-18	H7	100mm	**TP521605058187**	Price
5/8-18	H10	100mm	**TP521605058180**	Price
3/4-10	H7	125mm	**TP521605034107**	Price
3/4-10	H10	125mm	**TP521605034100**	Price
3/4-16	H7	110mm	**TP521605034167**	Price
3/4-16	H10	110mm	**TP521605034160**	Price
7/8-9	H8	140mm	**TP521605078908**	Price
7/8-9	H11	140mm	**TP521605078901**	Price
7/8-14	H8	125mm	**TP521605078148**	Price
7/8-14	H11	125mm	**TP521605078141**	Price
1-8	H8	160mm	**TP521605001088**	Price
1-8	H11	160mm	**TP521605001081**	Price
1-12	H8	140mm	**TP521605001128**	Price
1-12	H11	140mm	**TP521605001121**	Price

EXOPRO®-XPF Forming Tap



Metric Sizes

- Cobalt high speed steel
- OSG's V multi-layered coating
- Modified bottom chamfer
- DIN overall length
- Recommended for aluminum, carbon steels, alloy steels, die steels up to 20 HrC, stainless steels and hardened steels up to 35 HrC
- OSG List #16150

Size	Thread Limit	OAL	Order No.	Price
M6x0.75	D4	80mm	**TP521615006754**	Price
M6x0.75	D6	80mm	**TP521615006757**	Price
M6x1.0	D5	80mm	**TP521615006015**	Price
M6x1.0	D8	80mm	**TP521615006018**	Price
M7x1.0	D5	80mm	**TP521615007015**	Price
M7x1.0	D8	80mm	**TP521615007018**	Price
M8x0.75	D4	80mm	**TP521615008754**	Price
M8x0.75	D6	80mm	**TP521615008757**	Price
M8x1.0	D5	90mm	**TP521615008015**	Price
M8x1.0	D8	90mm	**TP521615008018**	Price
M8x1.25	D5	90mm	**TP521615008255**	Price
M8x1.25	D9	90mm	**TP521615008259**	Price
M10x1.0	D5	90mm	**TP521615010015**	Price
M10x1.0	D8	90mm	**TP521615010018**	Price
M10x1.25	D5	100mm	**TP521615010255**	Price
M10x1.25	D9	100mm	**TP521615010259**	Price
M10x1.5	D6	100mm	**TP521615010156**	Price
M10x1.5	D10	100mm	**TP521615010150**	Price
M12x1.0	D6	100mm	**TP521615012106**	Price
M12x1.0	D10	100mm	**TP521615012100**	Price
M12x1.25	D6	100mm	**TP521615012256**	Price
M12x1.25	D10	100mm	**TP521615012250**	Price
M12x1.5	D6	100mm	**TP521615012156**	Price
M12x1.5	D11	100mm	**TP521615012151**	Price
M12x1.75	D6	110mm	**TP521615012756**	Price
M12x1.75	D11	110mm	**TP521615010751**	Price
M14x1.5	D6	100mm	**TP521615014156**	Price

Size	Thread Limit	OAL	Order No.	Price
M14x1.5	D11	100mm	**TP521615014151**	Price
M14x2.0	D7	110mm	**TP521615014027**	Price
M14x2.0	D12	110mm	**TP521615014022**	Price
M16x1.5	D6	100mm	**TP521615016152**	Price
M16x1.5	D11	100mm	**TP521615016151**	Price
M16x2.0	D7	110mm	**TP521615016207**	Price
M16x2.0	D12	110mm	**TP521615016202**	Price
M18x1.5	D6	110mm	**TP521615018156**	Price
M18x1.5	D11	110mm	**TP521615018151**	Price
M18x2.5	D7	125mm	**TP521615018257**	Price
M18x2.5	D12	125mm	**TP521615018252**	Price
M20x1.5	D6	125mm	**TP521615020156**	Price
M20x1.5	D11	125mm	**TP521615020151**	Price
M20x2.5	D7	140mm	**TP521615020257**	Price
M20x2.5	D12	140mm	**TP521615020252**	Price
M22x1.5	D6	125mm	**TP521615022156**	Price
M22x1.5	D11	125mm	**TP521615022151**	Price
M22x2.0	D7	140mm	**TP521615022207**	Price
M22x2.0	D12	140mm	**TP521615022202**	Price
M22x2.5	D7	140mm	**TP521615022257**	Price
M22x2.5	D12	140mm	**TP521615022252**	Price
M24x1.5	D6	140mm	**TP521615024156**	Price
M24x1.5	D11	140mm	**TP521615024151**	Price
M24x2.0	D7	140mm	**TP521615024207**	Price
M24x2.0	D13	140mm	**TP521615024203**	Price
M24x3.0	D9	160mm	**TP521615024309**	Price
M24x3.0	D15	160mm	**TP521615024305**	Price

EXOPRO®-XPF Forming Taps

- Cobalt high speed steel
- OSG's V multi-layered coating
- DIN overall length
- Modified bottom chamfer
- Recommended for aluminum, carbon steels, alloy steels, die steels up to 20 HrC, stainless steels and hardened steels up to 35 HrC
- OSG List 16250 (inch) / List 16350 (metric)



List No. - 16250				
Size	Thread Limit	OAL	Order No.	Price
1/4-20	H4	80mm	**TP521625014204**	Price
1/4-20	H6	80mm	**TP521625014206**	Price
1/4-28	H4	80mm	**TP521625014284**	Price
1/4-28	H6	80mm	**TP521625014286**	Price
5/16-18	H5	90mm	**TP521625056185**	Price
5/16-18	H7	90mm	**TP521625056187**	Price
5/16-24	H5	90mm	**TP521625056245**	Price
5/16-24	H7	90mm	**TP521625056247**	Price
3/8-16	H5	100mm	**TP521625038165**	Price
3/8-16	H7	100mm	**TP521625038167**	Price
3/8-24	H5	100mm	**TP521625038245**	Price
3/8-24	H7	100mm	**TP521625038247**	Price
7/16-14	H5	100mm	**TP521625076145**	Price
7/16-14	H8	100mm	**TP521625076148**	Price
7/16-20	H5	100mm	**TP521625076205**	Price
7/16-20	H8	100mm	**TP521625076208**	Price
1/2-13	H5	110mm	**TP521625012135**	Price
1/2-13	H8	110mm	**TP521625012138**	Price
1/2-20	H5	100mm	**TP521625012205**	Price
1/2-20	H8	100mm	**TP521625012208**	Price
9/16-12	H7	110mm	**TP521625096127**	Price
9/16-12	H10	110mm	**TP521625096120**	Price
9/16-18	H7	100mm	**TP521625096187**	Price
9/16-18	H10	100mm	**TP521625096180**	Price
5/8-11	H7	110mm	**TP521625058117**	Price
5/8-11	H10	110mm	**TP521625058110**	Price
5/8-18	H7	100mm	**TP521625058187**	Price
5/8-18	H10	100mm	**TP521625058180**	Price
3/4-10	H7	125mm	**TP521625034107**	Price
3/4-10	H10	125mm	**TP521625034100**	Price
3/4-16	H7	110mm	**TP521625034167**	Price
3/4-16	H10	110mm	**TP521625034160**	Price
7/8-9	H8	140mm	**TP521625078908**	Price
7/8-9	H11	140mm	**TP521625078901**	Price
7/8-14	H8	125mm	**TP521625078148**	Price
7/8-14	H11	125mm	**TP521625078141**	Price
1-8	H8	160mm	**TP521625001088**	Price
1-8	H11	160mm	**TP521625001081**	Price
1-12	H8	140mm	**TP521625001128**	Price
1-12	H11	140mm	**TP521625001121**	Price

List No. - 16350				
Size	Thread Limit	OAL	Order No.	Price
M6x0.75	D4	80mm	**TP521635006754**	Price
M6x0.75	D6	80mm	**TP521635006757**	Price
M6x1.0	D5	80mm	**TP521635006015**	Price
M6x1.0	D8	80mm	**TP521635006018**	Price
M7x1.0	D5	80mm	**TP521635007015**	Price
M7x1.0	D8	80mm	**TP521635007018**	Price
M8x0.75	D4	80mm	**TP521635008754**	Price
M8x0.75	D6	80mm	**TP521635008757**	Price
M8x1.0	D5	90mm	**TP521635008015**	Price
M8x1.0	D8	90mm	**TP521635008018**	Price
M8x1.25	D5	90mm	**TP521635008255**	Price
M8x1.25	D9	90mm	**TP521635008259**	Price
M10x1.0	D5	90mm	**TP521635010015**	Price
M10x1.0	D8	90mm	**TP521635010018**	Price
M10x1.25	D5	100mm	**TP521635010255**	Price
M10x1.25	D9	100mm	**TP521635010259**	Price
M10x1.5	D6	100mm	**TP521635010156**	Price
M10x1.5	D10	100mm	**TP521635010150**	Price
M12x1.5	D6	100mm	**TP521635012156**	Price
M12x1.5	D11	100mm	**TP521635012151**	Price
M12x1.75	D6	110mm	**TP521635012756**	Price
M14x1.5	D6	100mm	**TP521635014156**	Price
M14x1.5	D11	100mm	**TP521635014151**	Price
M14x2.0	D7	110mm	**TP521635014027**	Price
M14x2.0	D12	110mm	**TP521635014022**	Price
M16x1.5	D11	100mm	**TP521635016151**	Price
M16x2.0	D7	110mm	**TP521635016207**	Price
M16x2.0	D12	110mm	**TP521635016202**	Price
M18x1.5	D6	110mm	**TP521635018156**	Price
M18x1.5	D11	110mm	**TP521635018151**	Price
M18x2.5	D7	125mm	**TP521635018257**	Price
M18x2.5	D12	125mm	**TP521635018252**	Price
M20x1.5	D6	125mm	**TP521635020156**	Price
M20x1.5	D11	125mm	**TP521635020151**	Price
M20x2.5	D7	140mm	**TP521635020257**	Price
M20x2.5	D12	140mm	**TP521635020252**	Price

HY-PRO® NRT® M42 Cobalt Forming Taps



Bright Finish

- Best applications: aluminum, aluminum castings, low, medium and high carbon steels
- OSG List #14001 (inch) / List #14101 (metric)

Thread Limits - H3			
Size	Chamfer Length	Order No.	Price
2-56	1.5P	**TP221400102300**	Price
3-56	2.5P	**TP221400104400**	Price
4-40	1.5P	**TP221400104900**	Price
5-40	2.5P	**TP221400107700**	Price
6-32	2.5P	**TP221400110400**	Price
8-32	2.5P	**TP221400114300**	Price

Thread Limits - H4			
Size	Chamfer Length	Order No.	Price
10-24	2.5P	**TP221400118300**	Price
10-32	2.5P	**TP221400120400**	Price
12-24	2.5P	**TP221400122200**	Price
1/4-20	2.5P	**TP221400126200**	Price

Thread Limits - H5			
Size	Chamfer Length	Order No.	Price
3-56	2.5P	**TP221400104600**	Price
4-40	1.5P	**TP221400105100**	Price
5-40	2.5P	**TP221400107900**	Price
6-32	2.5P	**TP221400110600**	Price
8-32	2.5P	**TP221400114500**	Price
5/16-18	2.5P	**TP221400130700**	Price
5/16-24	2.5P	**TP221400133000**	Price
3/8-16	2.5P	**TP221400135100**	Price
3/8-24	2.5P	**TP221400137400**	Price

Thread Limits - H6			
Size	Chamfer Length	Order No.	Price
10-24	2.5P	**TP221400118500**	Price
10-32	2.5P	**TP221400120600**	Price
12-24	2.5P	**TP221400122400**	Price
1/4-20	2.5P	**TP221400126400**	Price

Thread Limits - H7			
Size	Chamfer Length	Order No.	Price
5/16-18	2.5P	**TP221400130900**	Price
5/16-24	2.5P	**TP221400133200**	Price
7/16-20	2.5P	**TP221400141200**	Price
1/2-20	2.5P	**TP221400144800**	Price

Thread Limits - H8			
Size	Chamfer Length	Order No.	Price
3/8-16	2.5P	**TP221400135400**	Price
3/8-24	2.5P	**TP221400137700**	Price
7/16-14	2.5P	**TP221400139500**	Price
1/2-13	2.5P	**TP221400143100**	Price

Metric NRT® M42 Cobalt Forming Taps

For material up to 30 HRC
Best performance

- Aluminum materials
- Carbon steel types: 1010, 1018, 1035, 1045 & 1065



Size	Thread Limits	Chamfer Length	Order No.	Price
M2x0.40	D5	1.5P	**TP221410100500**	Price
M2.5x0.45	D5	1.5P	**TP221410100900**	Price
M3x0.50	D5	1.5P	**TP221410101500**	Price
M3.5x0.60	D6	1.5P	**TP221410101900**	Price
M4x0.70	D6	1.5P	**TP221410102500**	Price
M5x0.80	D7	1.5P	**TP221410103100**	Price
M6x1.0	D8	1.5P	**TP221410103700**	Price
M8x1.25	D9	1.5P	**TP221410104300**	Price
M10x1.5	D10	1.5P	**TP221410104900**	Price
M12x1.75	D11	1.5P	**TP221410105500**	Price

EXOTAP® NRT® Forming Taps

TiCN Coated

- VC10 material to achieve high-speed tapping and long tool life
- Good for a variety of materials, such as stainless, aluminum, and low, medium and high carbon steels
- OSG List #14050



Size	Thread Limits	Chamfer Length	Order No.	Price
4-40	H3	1.5P	**TP271405002008**	Price
5-40	H3	1.5P	**TP271405002608**	Price
6-32	H3	1.5P	**TP271405003208**	Price
8-32	H3	1.5P	**TP271405004008**	Price
10-24	H4	1.5P	**TP271405004908**	Price
10-32	H4	1.5P	**TP271405005708**	Price
1/4-20	H5	1.5P	**TP271405006808**	Price
1/4-28	H5	1.5P	**TP271405007708**	Price
5/16-18	H5	1.5P	**TP271405008408**	Price
5/16-24	H5	1.5P	**TP271405009508**	Price
3/8-16	H5	1.5P	**TP271405010408**	Price
3/8-24	H5	1.5P	**TP271405011508**	Price

HY-PRO® SEVEN Nu-Roll Forming Taps

Bottoming Style • Bright Finish

- Manufactured with lead correction allowing uniform material formation on both sides of the flank, resulting in extended tap life
- Best application: aluminum and aluminum castings
- OSG List #286



Size Type - Inch			
Size	**Class of Fit**	**Order No.**	**Price**
2-56	2B	**TP192864400**	Price
3-48	2B	**TP192864600**	Price
4-40	2B	**TP192864800**	Price
6-32	2B	**TP192865000**	Price
8-32	2B	**TP192865200**	Price
10-24	2B	**TP192865400**	Price
10-32	2B	**TP192865600**	Price
1/4-20	2B	**TP192865800**	Price
1/4-28	2B	**TP192866000**	Price
5/16-18	2B	**TP192866200**	Price
5/16-24	2B	**TP192866400**	Price

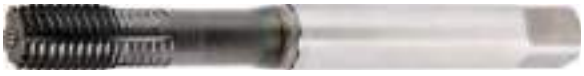
Size Type - Inch			
Size	**Class of Fit**	**Order No.**	**Price**
3/8-16	2B	**TP192866600**	Price
3/8-24	2B	**TP192866800**	Price

Size Type - Metric			
Size	**Class of Fit**	**Order No.**	**Price**
M3x0.50	6H	**TP192868100**	Price
M4x0.70	6H	**TP192868300**	Price
M5x0.80	6H	**TP192868500**	Price
M6x1.0	6H	**TP192868700**	Price
M8x1.25	6H	**TP192868900**	Price
M10x1.5	6H	**TP192869100**	Price
M12x1.75	6H	**TP192869300**	Price

Victory™ Forming Taps

HSS-E-PM • Blind and Through Holes

- WU32MG TiCN for steel and stainless steel



Size	Thread Limits	Style	Description	Order No.	Price
1/4-20	H6	Bottoming	WU32MG TiCN Not Coolant Through	**WK345945108**	Price
4-40	H3	Bottoming	WU32MG TiCN Not Coolant Through	**WK345945094**	Price
10-32	H4	Bottoming	WU32MG TiCN Not Coolant Through	**WK345945105**	Price
1/4-20	H4	Bottoming	WU32MG TiCN Not Coolant Through	**WK345945107**	Price
1/4-20	H6	Semi-Bottoming	WU32MG TiCN Coolant Through	**WK345944975**	Price
1/4-20	H4	Semi-Bottoming	WU32MG TiCN Coolant Through-DIN	**WK345945029**	Price
1/4-20	H4	Semi-Bottoming	WU32MG TiCN Coolant Through	**WK345944974**	Price
1/2-13	H5	Semi-Bottoming	WU32MG TiCN Coolant Through	**WK345944990**	Price

Metric Thread Forming HPT High Performance Taps

Plug Style

- TiN coated
- Morse List #2106G



Size	Thread Limits	No. of Lube Grooves	Thread Length (in.)	Neck Length (in.)	OAL	Order No.	Price
M4x0.70	D6	3	.5118	.3150	63mm	**MT4294740**	Price
M5x0.80	D7	4	.5906	.3937	70mm	**MT4294741**	Price
M6x1.0	D8	4	.6693	.5118	80mm	**MT4294742**	Price
M8x1.25	D9	4	.7874	.5906	90mm	**MT4294743**	Price
M10x1.5	D10	4	.8661	.6693	100mm	**MT4294744**	Price
M12x1.75	D11	4	.9449	†	110mm	**MT4294745**	Price
M14x2.0	D11	6	1.0236	†	110mm	**MT4294746**	Price
M16x2.0	D12	6	1.0630	†	110mm	**MT4294747**	Price
M20x2.5	D12	6	1.2598	†	140mm	**MT4294748**	Price

† Reduced shank (shank diameter is smaller than minor diameter)

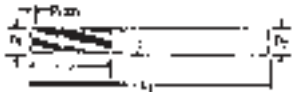
Helical Flute Thread Mills - NPT, NPTF, Pipe Threads



- AlTiN coated
- Helical flute design for reduced cutting forces, smoother cuts, longest tool life, and maximum thread milling performance
- 100% thread form; superior threads vs. tapping
- Cuts right hand and left hand high quality threads
- Internal and external threads
- Suitable for all types of materials, including heat treated and difficult to machine workpieces

Price		Price		Price		Price									
	Price		Price		Price		Price					Rapidkut			
							NPT		NPTF			NPT		NPTF	
Minimum Thread	Pitch	Cutter Dia. (in.)	Shank Dia. (in.)	OAL (in.)	Length of Cut (in.)	No. of Flutes	Order No.	Price	Order No.	Price		Order No.	Price	Order No.	Price
1/16 Pipe	27	.245	1/4	2-1/2	7/16	3	**MT3098641**	Price	**MT3098648**	Price		**EN9050041**	Price	**EN9050046**	Price
1/8 Pipe	27	5/16	5/16	2-1/2	7/16	4	**MT3098642**	Price	**MT3098649**	Price		**EN9050042**	Price	**EN9050047**	Price
1/4 Pipe	18	.370	3/8	3	5/8	4	**MT3098656**	Price	**MT3098658**	Price		**EN9050051**	Price	**EN9050053**	Price
3/8 Pipe	18	.370	3/8	3	5/8	4	**MT3098657**	Price	**MT3098659**	Price		**EN9050052**	Price	**EN9050054**	Price
1/2 Pipe	14	.495	1/2	3-1/2	7/8	4	**MT3098645**	Price	**MT3098652**	Price		**EN9050043**	Price	**EN9050048**	Price
3/4 Pipe	14	.495	1/2	3-1/2	7/8	4	**MT3098646**	Price	**MT3098653**	Price		**EN9050044**	Price	**EN9050049**	Price
1 Pipe	11-1/2	.620	3/4	4	1-1/8	5	**MT3098647**	Price	**MT3098654**	Price		**EN9050045**	Price	**EN9050050**	Price

MICRO 100 Helical Flute Thread Mills – NPT, NPTF, Pipe Threads

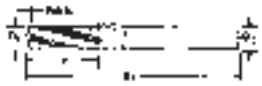




Price							NPT		NPTF	
Minimum Thread	Pitch	Cutter Dia. D1 (in.)	Shank Dia. D2 (in.)	OAL L1 (in.)	Length of Cut L2	Flutes	Order No.	Price	Order No.	Price
1/16 & 1/8 Pipe	27	.245	1/4	2-1/2	7/16	3	**GE45TM27NPTX**	Price	**-**	-
1/4 & 3/8 Pipe	18	.305	5/16	3	5/8	4	**GE45TM18NPTX**	Price	**GE45TM18NPTFX**	Price
1/2 & 3/4 Pipe	14	.495	1/2	4	7/8	4	**GE45TM14NPTX**	Price	**-**	-
1 & 2 Pipe	11.5	.620	5/8	4	1-1/8	4	**GE45TM11NPTX**	Price	**-**	-

Metric Thread Mills





Brand Name - Morse Cutting Tools								
Minimum Thread	Pitch	Cutter Dia. D1	Shank Dia. D2	OAL L1	Length of Cut L2	Flutes	Order No.	Price
M4	.7mm	.120	1/8	2	1/4	3	**MT3098625**	Price
M4.5	.75mm	.120	1/8	2	1/4	3	**MT3098626**	Price
M5	.8mm	.120	3/16	2	5/16	3	**MT3098627**	Price
M6	1mm	.170	3/16	2-1/2	1/2	3	**MT3098628**	Price
M8	.75mm	.235	1/4	2-1/2	5/8	3	**MT3098629**	Price
M8	1mm	.235	1/4	2-1/2	5/8	3	**MT3098630**	Price
M8	1.25mm	.235	1/4	2-1/2	5/8	3	**MT3098631**	Price
M10	1.25mm	.300	5/16	3	3/4	4	**MT3098632**	Price
M10	1.5mm	.300	5/16	3	3/4	4	**MT3098633**	Price
M12	1mm	.360	3/8	3-1/2	7/8	4	**MT3098634**	Price
M12	1.25mm	.360	3/8	3-1/2	7/8	4	**MT3098635**	Price
M12	1.75mm	.360	3/8	3-1/2	7/8	4	**MT3098636**	Price
M14	1.5mm	.360	3/8	3-1/2	7/8	4	**MT3098637**	Price
M16	2mm	.470	1/2	3-1/2	1-1/4	5	**MT3098638**	Price
M18	2.5mm	.470	1/2	3-1/2	1-1/4	5	**MT3098639**	Price
M20	3mm	.470	5/8	3-1/2	1-1/4	5	**MT3098640**	Price

Brand Name - Rapidkut								
Minimum Thread	Pitch	Cutter Dia. D1	Shank Dia. D2	OAL L1	Length of Cut L2	Flutes	Order No.	Price
M4	.7mm	.120	1/8	2	1/4	3	**EN9050025**	Price
M4.5	.75mm	.120	1/8	2	1/4	3	**EN9050026**	Price
M5	.8mm	.120	3/16	2	5/16	3	**EN9050027**	Price
M6	1mm	.170	3/16	2-1/2	1/2	3	**EN9050028**	Price
M8	.75mm	.235	1/4	2-1/2	5/8	3	**EN9050029**	Price
M8	1mm	.235	1/4	2-1/2	5/8	3	**EN9050030**	Price
M8	1.25mm	.235	1/4	2-1/2	5/8	3	**EN9050031**	Price
M10	1.25mm	.300	5/16	3	3/4	4	**EN9050032**	Price
M10	1.5mm	.300	5/16	3	3/4	4	**EN9050033**	Price
M12	1mm	.360	3/8	3-1/2	7/8	4	**EN9050034**	Price
M12	1.25mm	.360	3/8	3-1/2	7/8	4	**EN9050035**	Price
M12	1.75mm	.360	3/8	3-1/2	7/8	4	**EN9050036**	Price
M14	1.5mm	.360	3/8	3-1/2	7/8	4	**EN9050037**	Price
M16	2mm	.470	1/2	3-1/2	1-1/4	5	**EN9050038**	Price
M18	2.5mm	.470	1/2	3-1/2	1-1/4	5	**EN9050039**	Price
M20	3mm	.470	5/8	3-1/2	1-1/4	5	**EN9050040**	Price

MICRO 100 Metric Thread Mills



- AlTiN coated
- Helical flute design for reduced cutting forces, smoother cuts, longest tool life, and maximum thread milling performance
- 100% thread form; superior threads vs. tapping
- Cuts right hand and left hand high quality threads
- Suitable for all types of materials, including heat treated and difficult to machine workpieces

Minimum Thread	Pitch	Cutter Dia.	Shank Dia.	OAL	Length of Cut	Flutes	Order No.	Price
M4.5	.75mm	3mm	6mm	57mm	6mm	3	**GE45TMM045075X**	Price
M5	.8mm	3mm	6mm	57mm	8mm	3	**GE45TMM050080X**	Price
M6	1mm	4.3mm	6mm	57mm	12mm	3	**GE45TMM060100X**	Price
M8	.75mm	6mm	6mm	57mm	16mm	3	**GE45TMM080075X**	Price
M8	1.25mm	6mm	6mm	57mm	16mm	3	**GE45TMM080125X**	Price

Minimum Thread	Pitch	Cutter Dia.	Shank Dia.	OAL	Length of Cut	Flutes	Order No.	Price
M10	1.5mm	7.62mm	8mm	75mm	20mm	4	**GE45TMM100150X**	Price
M12	1mm	9.15mm	10mm	100mm	22mm	4	**GE45TMM120100X**	Price
M12	1.75mm	9.15mm	10mm	100mm	22mm	4	**GE45TMM120175X**	Price
M18	1.5mm	11.94mm	12mm	100mm	32mm	4	**GE45TMM180150X**	Price
M20	2.5mm	11.94mm	12mm	100mm	32mm	4	**GE45TMM200250X**	Price

MICRO 100 Helical Flute Thread Mills



- Completely CNC ground
- Helical flute design for reduced cutting forces, smoother cuts, longest tool life, and maximum thread milling performance
- 100% Thread form; superior threads vs. tapping
- Cuts right hand and left hand high quality threads
- Suitable for all types of materials, including heat treated and difficult to machine workpieces
- Supplied with AlTiN coating, uncoated thread mills are also available

Tolerances:
- Shank diameter: -.0001 to -.0003”
- Cutter diameter: ±.0005”
- Length of cut: +.050 to .000”
- Overall length: ±.015”
- TIR maximum: .0005”

Min. Thread Size	Pitch	Cutter Dia.	Shank Dia. (in.)	OAL (in.)	Length of Cut (in.)	No. of Flutes	Order No.	Price
4	40	.080	1/4	2	3/16	2	**GE45TM11240X**	Price
6	32	.100	1/4	2	1/4	2	**GE45TM13832X**	Price
10	32	.120	1/4	2	5/16	3	**GE45TM19032X**	Price
1/4	20	1/4	1/4	2-1/2	1/2	3	**GE45TM25020X**	Price
1/4	28	.180	1/4	2-1/2	1/2	3	**GE45TM25028X**	Price
5/16	18	.235	1/4	2-1/2	5/8	3	**GE45TM31218X**	Price
5/16	24	.235	1/4	2-1/2	5/8	3	**GE45TM31224X**	Price
3/8	16	.285	5/16	2-1/2	3/4	4	**GE45TM37516X**	Price
3/8	24	.285	5/16	2-1/2	3/4	4	**GE45TM37524X**	Price

Min. Thread Size	Pitch	Cutter Dia.	Shank Dia. (in.)	OAL (in.)	Length of Cut (in.)	No. of Flutes	Order No.	Price
7/16	14	.305	5/16	2-1/2	3/4	4	**GE45TM43714X**	Price
7/16	20	.305	5/16	2-1/2	3/4	4	**GE45TM43720X**	Price
1/2	13	.350	3/8	3	7/8	4	**GE45TM50013X**	Price
5/8	11	.470	1/2	4	1-1/4	4	**GE45TM62511X**	Price
3/4	10	.495	1/2	4	1-1/4	4	**GE45TM75010X**	Price
3/4	12	.495	1/2	4	1-1/4	4	**GE45TM75012X**	Price
3/4	16	.495	1/2	4	1-1/4	4	**GE45TM75016X**	Price
7/8	14	.490	1/2	4	1-1/4	4	**GE45TM87514X**	Price
1	8	.620	5/8	4	1-3/8	4	**GE45TM00108X**	Price

Helical Flute Thread Mills – UN Threads

- Completely CNC ground
- Helical flute design for reduced cutting forces, smoother cuts, longest tool life, and maximum thread milling performance
- 100% thread form; superior threads vs. tapping
- Cuts right hand and left hand high quality threads
- Internal and external threads
- Suitable for all types of materials, including heat treated and difficult to machine workpieces

- **Supplied with AlTiN coating only**

Tolerance:
- Shank diameter -.0001 to -.0003”
- Cutter diameter ±.0005”
- Length of cut ±.0050 to .000”
- Overall length ±.015”
- T.I.R. maximum .0005”





Price Price Price Price RAPIDKUT® MILL M THREAD

							Rapidkut		Morse Cutting Tools	
Minimum Thread (in.)	Pitch	Cutter Dia. D1	Shank Dia. D2 (in.)	OAL L1 (in.)	Length of Cut L2 (in.)	Flutes	Order No.	Price	Order No.	Price
6	32	.100	1/8	2	7/32	3	**EN9050000**	Price	**MT3098600**	Price
8	32	.115	1/8	2	1/4	3	**EN9050002**	Price	**MT3098602**	Price
8	36	.115	1/8	2	1/4	3	**EN9050001**	Price	**MT3098601**	Price
10	24	.120	3/16	2	5/16	3	**EN9050003**	Price	**MT3098603**	Price
10	32	.120	3/16	2	5/16	3	**EN9050004**	Price	**MT3098604**	Price
1/4	20	.180	3/16	2-1/2	1/2	3	**EN9050005**	Price	**MT3098605**	Price
1/4	28	.180	3/16	2-1/2	1/2	3	**EN9050006**	Price	**MT3098606**	Price
5/16	18	.240	1/4	2-1/2	5/8	3	**EN9050007**	Price	**MT3098607**	Price
5/16	24	.240	1/4	2-1/2	5/8	3	**EN9050008**	Price	**MT3098608**	Price
3/8	16	.290	5/16	3	3/4	4	**EN9050009**	Price	**MT3098609**	Price
3/8	24	.290	5/16	3	3/4	4	**EN9050010**	Price	**MT3098610**	Price
7/16	14	.340	3/8	3	7/8	4	**EN9050011**	Price	**MT3098611**	Price
7/16	20	.340	3/8	3	7/8	4	**EN9050012**	Price	**MT3098612**	Price
1/2	13	.350	3/8	3	7/8	4	**EN9050013**	Price	**MT3098613**	Price
1/2	20	.350	3/8	3-1/2	7/8	4	**EN9050014**	Price	**MT3098614**	Price
9/16	12	.370	1/2	3-1/2	7/8	4	**EN9050015**	Price	**MT3098615**	Price
9/16	18	.370	1/2	3-1/2	7/8	4	**EN9050016**	Price	**MT3098616**	Price
5/8	11	.470	1/2	3-1/2	1-1/4	5	**EN9050017**	Price	**MT3098617**	Price
5/8	18	.470	1/2	3-1/2	1-1/4	5	**EN9050018**	Price	**MT3098618**	Price
3/4	10	.495	1/2	3-1/2	1-1/4	5	**EN9050019**	Price	**MT3098619**	Price
3/4	16	.495	1/2	3-1/2	1-1/4	5	**EN9050020**	Price	**MT3098620**	Price
7/8	9	.620	5/8	3-1/2	1-1/4	5	**EN9050021**	Price	**MT3098621**	Price
7/8	14	.620	5/8	3-1/2	1-1/4	5	**EN9050022**	Price	**MT3098622**	Price
1	8	.620	3/4	4	1-3/8	5	**EN9050023**	Price	**MT3098623**	Price
1	12	.620	3/4	4	1-3/8	5	**EN9050024**	Price	**MT3098624**	Price

MICRO 100 Precision ID & OD Thread Mills



Solid Carbide

- Engineered for milling precision ID and OD threads in all types of steels, non-ferrous metal and exotic materials
- Equally effective in laminated plastics, fiberglass, and composites
- Thread form generated in American Standard thread
- Minimum pitch listed is for an internal thread
- Solid carbide cutter head brazed to solid carbide shank for maximum rigidity

Price									AlTiN		Uncoated	
Cutter Dia. (in.)	TPI Range	Shank Dia. (in.)	No. of Flutes	Neck Dia. (in.)	Neck Length (in.)	Flat	Thickness (in.)	OAL (in.)	Order No.	Price	Order No.	Price
.120	32-56	3/16	3	.070	3/8	.001	.032	2	**GE45TM1206X**	Price	**GE45TM1206**	Price
.120	32-56	3/16	3	.070	5/8	.001	.032	2	**GE45TM12010X**	Price	**GE45TM12010**	Price
.180	18-56	1/4	4	.100	3/4	.002	.060	2-1/2	**GE45TM18012X**	Price	**GE45TM18012**	Price
.250	16-48	1/4	4	.100	1	.002	.065	2-1/2	**GE45TM25016X**	Price	**GE45TM25016**	Price
.250	16-48	5/16	4	.150	1-1/2	.002	.065	3-1/2	**GE45TM25024X**	Price	**GE45TM25024**	Price
.720	5-12	3/4	6	.370	1-1/4	.0045	.200	4	**GE45TM72020X**	Price	**GE45TM72020**	Price
.720	5-12	3/4	6	.370	2	.0045	.200	4	**GE45TM72032X**	Price	**GE45TM72032**	Price

Carmex Precision Tools Ltd. Solid Carbide 3-in-1 Drill

Thread, Chamfer

- TiAlN coating
- Cancels the need for drilling the hole
- Good for both blind and through holes
- Short cycle time and high performance reduces machining costs



Pitch	Min. Thread Size	Shank Dia.	Cutter Dia.	No. of Flutes	Length of Cut	OAL	Order No.	Price
20	1/4	8mm	.189	3	.550	2-1/2	**FF6110410**	Price
28	1/4	8mm	.197	3	.570	2-1/2	**FF6110400**	Price
18	5/16	8mm	.236	4	.670	2-1/2	**FF6110415**	Price
24	5/16	8mm	.256	4	.670	2-1/2	**FF6110405**	Price
16	3/8	8mm	.264	3	7/8	2-1/2	**FF6110420**	Price

Carmex Precision Tools Ltd. Solid Carbide Thread Mills with Coolant Bore



Full Profile – UN

- TiAlN coating
- Run at medium to high cutting speeds
- General purpose for all materials
- Coolant fluid washes the chips of hole
- Increased tool life

Pitch	Mini. Thread Size	Shank Dia.	Cutter Dia.	No. of Flutes	Length of Cut	OAL	Order No.	Price
32	8	1/4	.126	3	.270	2-1/2	**FF6110275**	Price
20	1/4	1/4	.185	3	.480	2-1/2	**FF6110310**	Price
28	1/4	1/4	.197	3	7/16	2-1/2	**FF6110290**	Price
18	5/16	1/4	.220	3	.580	2-1/2	**FF6110330**	Price
24	5/16	5/16	.260	3	.560	2-1/2	**FF6110300**	Price
32	5/16	5/16	5/16	3	.580	2-1/2	**FF6110280**	Price
16	3/8	5/16	.264	3	.660	2-1/2	**FF6110340**	Price
32	3/8	5/16	5/16	4	.740	2-1/2	**FF6110285**	Price
14	7/16	5/16	.303	3	.820	2-1/2	**FF6110350**	Price
20	7/16	5/16	5/16	3	.830	2-1/2	**FF6110315**	Price
28	7/16	1/4	5/16	3	.560	2-1/2	**FF6110295**	Price
13	1/2	3/8	.362	3	.890	3	**FF6110360**	Price
20	1/2	3/8	3/8	4	7/8	3	**FF6110320**	Price
12	9/16	1/2	.413	3	1.040	4	**FF6110365**	Price
18	9/16	1/2	.445	4	1.030	4	**FF6110335**	Price
11	5/8	1/2	.449	3	1.140	4	**FF6110375**	Price
10	3/4	5/8	.567	4	1.350	4	**FF6110380**	Price
16	3/4	1/2	1/2	4	1.220	4	**FF6110345**	Price
20	3/4	1/2	1/2	5	1.070	4	**FF6110325**	Price
9	7/8	5/8	5/8	3	1-1/2	4	**FF6110385**	Price
14	7/8	5/8	5/8	5	1.460	4	**FF6110355**	Price
8	1	3/4	3/4	4	1.690	4	**FF6110390**	Price
7	1-1/8	3/4	3/4	4	1.780	4	**FF6110395**	Price
12	1	5/8	5/8	5	1.630	4	**FF6110370**	Price

Carmex Precision Tools Ltd. Mini Mill - Thread UN - 2 x D

- TiAlN coating
- Run at medium to high cutting speeds
- General purpose for all materials
- 3-Flute



Pitch	Tap Size	Shank Dia.	Cutter Dia.	No. of Flutes	LOC	OAL	Order No.	Price
72	1	1/4	.057	3	.150	2-1/2	**FF6110000**	Price
64	1	1/4	.055	3	.150	2-1/2	**FF6110005**	Price
56	2	1/4	.065	3	.170	2-1/2	**FF6110010**	Price
48	3	1/4	.075	3	.200	2-1/2	**FF6110015**	Price
40	4	1/4	.083	3	1/4	2-1/2	**FF6110020**	Price
40	5	1/4	.096	3	.280	2-1/2	**FF6110025**	Price
32	6	1/4	.100	3	.280	2-1/2	**FF6110035**	Price
32	8	1/4	.126	3	.370	2-1/2	**FF6110040**	Price
36	8	1/4	.130	3	.350	2-1/2	**FF6110030**	Price
32	10	1/4	.146	3	.410	2-1/2	**FF6110045**	Price
24	10	1/4	.138	3	.420	2-1/2	**FF6110060**	Price
28	12	1/4	.165	3	.430	2-1/2	**FF6110050**	Price
20	1/4	1/4	3/16	3	.550	2-1/2	**FF6110070**	Price
28	1/4	1/4	.197	3	.570	2-1/2	**FF6110055**	Price
18	5/16	1/4	.236	3	.670	2-1/2	**FF6110080**	Price
24	5/16	5/16	.260	3	.670	2-1/2	**FF6110065**	Price
16	3/8	5/16	.264	3	7/8	2-1/2	**FF6110085**	Price
14	7/16	5/16	.303	3	.980	2-1/2	**FF6110090**	Price
20	7/16	5/16	5/16	3	.980	2-1/2	**FF6110075**	Price
13	1/2	3/8	.362	3	1.080	3	**FF6110095**	Price
12	9/16	1/2	.413	3	1.240	3-1/2	**FF6110100**	Price
11	5/8	1/2	.449	3	1.360	3-1/2	**FF6110105**	Price

Carmex Precision Tools Ltd. Solid Carbide Mini Mill Thread Mills ISO

- TiAlN coating
- Run at medium to high cutting speeds
- General purpose for all materials



Pitch (mm)	Min. Thread Size	Shank Dia.	Cutter Dia.	No. of Flutes	Length of Cut	OAL	Order No.	Price
.4mm	M2	3mm	.610	3	1/4	1-1/2	**FF6110240**	Price
.4mm	M2	1/4	.610	3	.180	2-1/2	**FF6110180**	Price
.45mm	M2.5	1/4	.770	3	7/32	2-1/2	**FF6110185**	Price
.45mm	M2.5	1/4	.770	3	.300	2-1/2	**FF6110245**	Price
.5mm	M3	1/4	.930	3	.260	2-1/2	**FF6110190**	Price
.5mm	M3	1/4	.930	3	.370	2-1/2	**FF6110250**	Price
.7mm	M4	1/4	.122	3	.350	2-1/2	**FF6110195**	Price
.7mm	M4	1/4	.122	3	.490	2-1/2	**FF6110255**	Price
.8mm	M5	1/4	.150	3	.490	2-1/2	**FF6110200**	Price
.8mm	M5	1/4	.150	3	.630	2-1/2	**FF6110260**	Price
1mm	M6	1/4	.183	3	.550	2-1/2	**FF6110205**	Price
1mm	M6	1/4	.183	3	.790	2-1/2	**FF6110265**	Price
1.25mm	M8	1/4	.234	3	.710	2-1/2	**FF6110210**	Price
1.25mm	M8	1/4	.234	3	.940	2-1/2	**FF6110270**	Price
1.5mm	M10	5/16	.370	3	.910	2-1/2	**FF6110215**	Price
1.75mm	M12	3/8	.354	3	1.200	3	**FF6110220**	Price
2mm	M16	1/2	.465	4	1-3/8	3-1/2	**FF6110225**	Price



PROCUT 15 Pc. Carbon Steel Tap & Die Set

#4 thru #12
13/16" Adjustable Round Dies

- In hinged cover box
- Includes one each plug tap and 13/16" OD adjustable round die for the following 6 thread sizes plus tools indicated:
- **Thread sizes:** 4-40, 6-32, 8-32, 10-24, 10-32, 12-24
- **Threading tools:** plain die stock, T-handle tap wrench, straight tap wrench



Set Material	Order No.	Price
Carbon Steel	**ET51C613**	Price

PROCUT 39 Pc. Tap & Die Sets

#4 thru 1/2"
1" Adjustable Round Dies

- Self-hinged durable plastic case with removable tray
- Includes one each plug tap and 1" OD die for the following 17 thread sizes plus tools indicated
- **Thread sizes:** 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 1/8-27 NPT (pipe die is solid round)
- **Threading tools:** T-handle tap wrench, straight tap wrenches, die stock



Set Material	Order No.	Price
Carbon Steel	**ET51C614**	Price
High Speed Steel	**ET51HS614**	Price

PROCUT 41 Pc. Tap & Die Sets

1/4" thru 3/4" NC & NF
1-1/2" Adjustable Round Dies

- Complete set in self-hinged durable plastic case 20" x 12" x 2-1/4"
- Includes one each plug tap and 1-1/2" OD adjustable round die for each of the following 18 thread sizes plus tools indicated:
- **Thread sizes:** 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 9/16-12, 9/16-18, 5/8-11, 5/8-18, 3/4-10, 3/4-16, 1/8-27 NPT, 1/4-18 NPT (pipe dies are solid round)
- **Threading tools:** Adjustable die stock, adjustable handle tap wrench, T-handle tap wrench, screw pitch gauge & screwdriver



Set Material	Order No.	Price
Carbon Steel	**ET51C3465**	Price
High Speed Steel	**ET51HS3465**	Price

IRWIN HANSON 41 Pc. Carbon Steel Tap & Hex Die Set

#4 thru 1/2"

- Packed in a hinged durable plastic case with removable tray
- Contains one each of the following taps and hex dies:
- **Thread sizes:** 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 1/8-27 NPT
- **Threading tools:** 2 die stocks, tap handles, tap wrench, 1 screwdriver, 1 thread gage



Set Material	Order No.	Price
Carbon Steel	**EW5124606**	Price

PROCUT 64 Pc. Tap & Die Sets

#4 thru 1", 1", 1-1/2", 2" Adjustable Round Dies

- In self-hinged durable plastic case with tray
- Complete set includes one each plug tap and die for the following 28 thread sizes plus tools indicated:
- **Thread sizes:** 1" Adjustable round dies: 4-40, 8-32, 10-32, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 1/8-27 NPT, 6-32, 10-24, 12-24, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20
- **Thread sizes:** 1-1/2" Adjustable round dies: 9/16-12, 5/8-11, 3/4-10, 9/16-18, 5/8-18, 3/4-16, 1/4-18 NPT pipe die is solid round
- **Thread sizes:** 2" Adjustable round dies: 7/8-9, 7/8-14, 1-8, 1-14
- **Threading tools:** 1" Adjustable die stock, 1-1/2" adjustable die stock, 2" adjustable die stock, 2" adjustable handle, tap wrenches, T-handle tap wrench, screw pitch gauge, screwdriver



Set Material	Order No.	Price
Carbon Steel	**ET51C99146**	Price
High Speed Steel	**ET51HS99146**	Price

IRWIN HANSON 39 Pc. #4-1/2" Super Set

Carbon Steel Taps and 1" Adjustable Round Dies



Thread sizes:
4-40
6-32
8-32
10-24
10-32
12-24
1/4-20
1/4-28
5/16-18
5/16-24
3/8-16
3/8-24
7/16-20
1/2-13
1/2-20
1/8-27 NPT

Threading tools:
- Adjustable die stock
- Adjustable handle tap wrench
- T-handle tap wrench
- Screw pitch gauge
- Screwdriver

Set Material	Order No.	Price
Carbon Steel	**EW5125914**	Price

IRWIN HANSON 41 Pc. 1/4"-3/4" Fractional Sizes

Carbon Steel Taps and 1-1/2" Screw Adjusting Dies



Thread sizes:
1/4-20
1/4-28
5/16-18
5/16-24
3/8-16
3/8-24
7/16-14
7/16-20
1/2-13
1/2-20
9/16-12
9/16-18
5/8-11
5/8-18
3/4-10
3/4-16
1/8-27 NPT
1/4-18 NPT

Threading tools:
- Adjustable die stock – 1-1/2" round
- Adjustable handle tap wrench
- T-handle tap wrench
- Screw pitch gauge
- Screwdriver

Set Material	Order No.	Price
Carbon Steel	**EW5125941**	Price

IRWIN HANSON 54 Pc. Metric Sizes 3mm-18mm

Carbon Steel Taps and Hexagon Dies with Drill Chart



Thread sizes:
1" Die
1/8-28 BSP
1/4-19 BSP
M3x0.50
M4x0.70
M4x0.75
M5x0.80
M5x0.90
M6x1.00
M7x1.00
M8x1.25
M9x1.00
M9x1.25
M10x1.25
M10x1.50
M11x1.50
M12x1.50
M12X1.75
1-7/16" Die
M14x1.25
M14x2.00
M16x1.50
M16x2.00
M18x1.50
M18x2.50

Threading tools:
- Adjustable die stock for 1" hex dies
- Adjustable die stock for 1-7/16" hex dies
- T-Handle tap wrench, hex nut
- Adjustable handle tap wrench
- Screw pitch gauge-metric
- Screwdriver

Set Material	Order No.	Price
Carbon Steel	**EW5126394**	Price

IRWIN HANSON 66 Pc. Combination Set Metric Sizes 3mm-24mm

Carbon Steel Taps and Hexagon Dies



Thread sizes:
5/8" Die
M3x0.50
M4x0.70
M4x0.75
M5x0.80
M5x0.90
M6x1.00
1" Die
M7x1.00
M8x1.00
M8x1.25
M9x1.00
M9x1.25
M10x1.25
M10x1.50
M11x1.50
M12x1.50
M12x1.75
1-7/16" Die
M14x1.25
M14x1.50
M14x2.00
M16x1.50
M16x2.00
M18x1.50
M18x2.50
1-13/16" Die
M20x2.50
M22x1.50
M24x2.00
M24x3.00
Pipe 1" Die
1/8-28 BSP

Threading tools:
- Adjustable die stock for 1" hexagon dies
- Adjustable die stock for 1-7/16" hexagon dies
- Adjustable die stock for 1-13/16" hexagon dies
- Plain die stock
- T-handle tap wrench, hex nut
- T-handle tap wrench, hex nut with 3/8" square drive
- Adjustable handle tap wrench
- Screw pitch gauge-metric
- Screwdriver

Set Material	Order No.	Price
Carbon Steel	**EW5197312**	Price

IRWIN HANSON 117 Pc. Super Tap and Die Set

Combination Machine Screw, Fractional and Metric Taps and Dies, Screw Extractors and High Speed Steel Drill Bits



Set includes carbon hex dies and plug style taps

Thread sizes
Machine screw:
4-40
6-32
8-32
10-24
10-32
12-24
Fractional:
1/4-20
1/4-28
5/16-18
5/16-24
3/8-16
3/8-24
7/16-14
7/16-20
1/2-13
1/2-20
Metric:
M3x0.50
M4x0.70
M4x0.75
M5x0.80
M5x0.90
M6x1.00
M7x1.00
M8x1.00
M8x1.25
M9x1.00
M9x1.25
M10x1.25
M10x1.50
M11x1.50
M12x1.50
M12x1.75
Spiral flute
Screw extractors: EX-1, EX-2, EX-3, EX-4, EX-5
Pipe:
1/8-27 NPT
1/8-28 BSP
Deluxe drill bits:
Includes 36 sizes
Threading tools:
- Adjustable die stock – 1" hexagon dies
- Plain die stock – 5/8" hexagon dies
- Adjustable handle tap wrench – taps no. 0 to 1/2"
- Two-in-one tap wrench – taps 1/4" to 1/2"
- T-Handle wrench – taps no. 0 to 1/4"
- 16 Leaf metric thread pitch gauge
- 18 Leaf standard thread pitch gauge
- Screwdriver

Set Material	Order No.	Price
Carbon Steel	**EW5126377**	Price

PROCUT Master Tap and Drill Sets

High Speed Steel
Compact Set for Toolmakers Box

Set Includes:

ET50103:
4-40, drill #44
5-40, drill #39
6-32, drill #36
8-32, drill #29
10-24, drill #25
1/4-20, drill #7
5/16-18, drill F
3/8-16, drill 5/16
7/16-14, drill U
1/2-13, drill 27/64

ET50104:
4-48, drill #43
5-44, drill #38
6-40, drill #34
8-36, drill #29
10-32, drill #21
1/4-28, drill #3
5/16-24, drill #1
3/8-24, drill O
7/16-20, drill W
1/2-20, drill 29/64



Set Range	Order No.	Price
#4 thru 1/2" NC Taps -- #44 thru 27/64" Drills	**ET50103**	Price
#4 thru 1/2" NF Taps -- #43 thru 29/64" Drills	**ET50104**	Price

PROCUT Tap and Drill Set

High Speed Steel with Metal Index

All the popular taps and necessary drills plus metal index.

Set Includes:
6-32, drill #36
8-32, drill #29
10-24, drill #25
10-32, drill #21
1/4-20, drill #7
5/16-18, drill F
3/8-16, drill 5/16
7/16-14, drill U
1/2-13, drill 27/64



Set Range	Order No.	Price
#6 thru 1/2" NF Taps -- #21 thru 29/64 Drills	**ET5018TDS**	Price
#6 thru 1/2" Taps -- #36 thru 27/64" Drills	**ET5099TDS**	Price

PROCUT Metric Tap and Drill Set

High Speed Steel with Metal Index

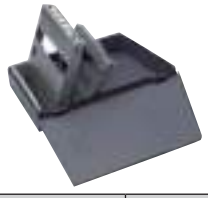
All the popular taps and necessary drills plus metal index.

Set Includes:
M2.5x0.45, drill 2.05mm
M3x0.50, drill 2.50mm
M3.5x0.60, drill 2.90mm
M4x0.70, drill 3.30mm
M5x0.80, drill 4.20mm
M6x1.00, drill 5.00mm
M8x1.25, drill 6.70mm
M10x1.5, drill 8.50mm
M12x1.75, drill 10.20mm



Set Range	Order No.	Price
M2 thru M12 Taps -- 2.05mm thru 10.2mm Drills	**ET504099TDS**	Price

Huot Metal Indexes



Sizes Held	Order No.	Price
M2 thru M12 Taps -- 2.05mm thru 10.2mm Drills	**AP534099**	Price
National Coarse: Holds sizes 6-32 Tap #36 Drill, 8-32 #29, 10-24 #25, 10-32 #21, 1/4-20 #7, 5/16-18 #F, 3/8-16 #5/16, 7/16-14 #U, 1/2-13 #27/64.	**AP5399**	Price

PROCUT 41 Pc. Metric Tap and Die Sets

3mm thru 12mm • 1" Hexagon Dies

- Features the advantage of hexagon dies allowing user to work in places where a die stock cannot be used.
- Plastic case with removable tray.
- Includes one each: plug tap and hexagon, die for the following 17 metric thread sizes plus tools indicated:

Thread sizes:
M3x0.50
M3x0.60
M4x0.70
M4x0.75
M5x0.80
M5x0.90
M6x0.75
M6x1.00
M7x0.75
M7x1.00
M8x1.00
M8x1.25
M10x1.25
M10x1.50
M12x1.50
M12x1.75
1/8 NPT



Threading tools:
- Adjustable die stock
- Screw pitch gauge (metric)
- Screwdriver
- T-handle tap wrenches (2)
- Straight tap wrench

Set Material	Order No.	Price
Carbon Steel	**ET516312**	Price
High Speed Steel	**ET51HS6312**	Price

PROCUT 24 Pc. Metric Tap & Die Sets

3mm thru 12mm • 1" Hexagon Dies

- In self-hinged plastic case
- Includes plug tap and 1" hexagon die for the following sizes plus tools indicated:

Thread sizes:
M3x0.50
M4x0.70
M5x0.80
M6x1.00
M7x1.00
M8x1.25
M9x1.25
M10x1.50
M12x1.50
M12x1.75
1/8 NPT



Threading tools:
- 1" Hex die stock
- Straight tap wrench

Set Material	Order No.	Price
Carbon Steel	**ET514M**	Price
High Speed Steel	**ET51HS4M**	Price

IRWIN HANSON 41 Pc. Carbon Steel Metric Tap & Die Set

3mm thru 12mm

- Provides for many metric threading requirements
- Packed in a hinged plastic case with removable tray
- Includes one each plug tap and hexagon die for the following metric thread sizes plus tools indicated

Thread sizes:
M3x0.50
M4x0.70
M4x0.75
M5x0.80
M5x0.90
M6x1.00
M7x1.00
M8x1.00
M8x1.25
M9x1.00
M9x1.25
M10x1.25
M10x1.50
M11x1.50
M12x1.50
M12x1.75
1/8-28 BSP



Threading tools:
- Dies stocks (2)
- Tap wrenches (2)
- Tap handle
- Thread gauge
- Screwdriver

Order No.	Price
EW5126317	Price

Lisle Tap Socket Set

- Ideal for use in areas where a T-handle won't fit
- Set of (8) sockets fits all number and fractional M.C.T.I. standard taps thru 1/2 inch
- Also fits 1/8 inch NPT taps and metric taps thru 12mm manufactured to M.C.T.I. standards
- Sockets contained on a vinyl holder



Order No.	Price
KN6570500	Price

PROCUT & RAPIDKUT Standard Thread Round Adjustable Dies

High Speed Steel

Machine screw & fractional sizes
National coarse or fine thread

Price				
	Price		ProCut	
Size	Order No.	Price	Order No.	Price
5-40	EN2011140	Price	EN310005NC	Price
5-44	EN2011144	Price	EN310005NF	Price
6-32	EN2011232	Price	EN310006NC	Price
6-40	EN2011240	Price	EN310006NF	Price
8-32	EN2011332	Price	EN310008NC	Price
8-36	EN2011336	Price	EN310008NF	Price
10-24	EN2011424	Price	EN310010NC	Price
10-32	EN2011432	Price	EN310010NF	Price
12-24	EN2011524	Price	EN310012NC	Price
12-28	EN2011528	Price	EN310012NF	Price
1/4-20	EN2012332	Price	EN310025NC	Price
1/4-28	EN2012424	Price	EN310025NF	Price
5/16-18	EN2012432	Price	EN310031NC	Price
5/16-24	EN2012524	Price	EN310031NF	Price

Type - Standard Thread Die OD (in.) - 1				
	Rapidkut		ProCut	
Size	Order No.	Price	Order No.	Price
6-32	EN2011620	Price	EN320006NC	Price
6-40	-	-	EN320006NF	Price
8-32	EN2011628	Price	EN320008NC	Price
8-36	-	-	EN320008NF	Price
10-24	EN2011718	Price	EN320010NC	Price
10-32	EN2011724	Price	EN320010NF	Price
12-24	EN2012232	Price	EN320012NC	Price
12-28	-	-	EN320012NF	Price
1/4-20	EN2012620	Price	EN320025NC	Price
1/4-28	EN2012628	Price	EN320025NF	Price
5/16-18	EN2012718	Price	EN320031NC	Price
5/16-24	EN2012724	Price	EN320031NF	Price
3/8-16	EN2012816	Price	EN320037NC	Price
3/8-24	EN2012824	Price	EN320037NF	Price
7/16-14	EN2012914	Price	EN320043NC	Price
7/16-20	EN2012920	Price	EN320043NF	Price

Type - Standard Thread Die OD (in.) - 1				
	Rapidkut		ProCut	
Size	Order No.	Price	Order No.	Price
1/2-13	-	-	EN320050NC	Price
1/2-20	-	-	EN320050NF	Price

Price				
	Price		ProCut	
Size	Order No.	Price	Order No.	Price
1/4-20	EN2013120	Price	EN330025NC	Price
1/4-28	EN2013128	Price	EN330025NF	Price
5/16-18	EN2013218	Price	EN330031NC	Price
5/16-24	EN2013224	Price	EN330031NF	Price
3/8-16	EN2013316	Price	EN330037NC	Price
3/8-24	EN2013324	Price	EN330037NF	Price
7/16-14	EN2013414	Price	EN330043NC	Price
7/16-20	EN2013420	Price	EN330043NF	Price
1/2-13	EN2013513	Price	EN330050NC	Price
1/2-20	EN2013520	Price	EN330050NF	Price
9/16-12	EN2013612	Price	EN330056NC	Price
9/16-18	EN2013618	Price	EN330056NF	Price
5/8-11	EN2013711	Price	EN330062NC	Price
5/8-18	EN2013718	Price	EN330062NF	Price
3/4-10	-	-	EN330075NC	Price
3/4-16	-	-	EN330075NF	Price

Type - Standard Thread Die OD (in.) - 2				
	Rapidkut		ProCut	
Size	Order No.	Price	Order No.	Price
5/8-11	EN2014111	Price	EN340062NC	Price
5/8-18	EN2014118	Price	EN340062NF	Price
3/4-10	EN2014210	Price	EN340075NC	Price
3/4-16	EN2014216	Price	EN340075NF	Price
7/8-9	EN2014309	Price	EN340087NC	Price
7/8-14	EN2014314	Price	EN340087NF	Price
1-8	-	-	EN340100NC	Price
1-12	-	-	EN340100NF	Price
1-14	-	-	EN340101NF	Price



Price		
	Price	
Size	Order No.	Price
1-1/8-7	EN351125NC	Price
1-1/8-12	EN351125NF	Price
1-1/4-7	EN351250NC	Price
1-1/4-12	EN351250NF	Price
1-3/8-6	EN351375NC	Price
1-3/8-12	EN351375NF	Price
1-1/2-6	EN351500NC	Price
1-1/2-12	EN351500NF	Price

Type - Metric Die OD (in.) - 13/16		
	Rapidkut	
Size	Order No.	Price
M2.5x0.45	EN2021245	Price
M3x0.50	EN2021350	Price
M3.5x0.60	EN2021356	Price
M4x0.70	EN2021407	Price
M4.5x0.75	EN2021458	Price
M5x0.80	EN2021510	Price
M6x1.0	EN2021610	Price

Type - Metric Die OD (in.) - 1		
	Rapidkut	
Size	Order No.	Price
M6x1.0	EN2022610	Price
M7x1.0	EN2022710	Price
M8x1.25	EN2022812	Price
M10x1.5	EN2022815	Price
M12x1.75	EN2022917	Price

Type - Metric Die OD (in.) - 1-1/2		
	Rapidkut	
Size	Order No.	Price
M14x2.0	EN2023142	Price
M16x2.0	EN2023162	Price
M18x2.5	EN2023182	Price
M20x2.5	EN2023202	Price

PROCUT Metric Round Adjustable Dies

High Speed Steel

- Coarse pitch
- Fine pitch



Size	O.D. (in.)	Pitch	Style	Order No.	Price
M2	1	0.40	Coarse	EP52020	Price
M2	1	0.45	Coarse	EP52021	Price
M2.2	1	0.45	Coarse	EP52022	Price
M2.5	1	0.45	Coarse	EP52025	Price
M3	1	0.35	Fine	EP53030	Price
M3	1	0.50	Coarse	EP52030	Price
M3.5	1	0.35	Fine	EP53035	Price
M3.5	1	0.60	Coarse	EP52035	Price
M4	1	0.50	Fine	EP53041	Price
M4	1	0.70	Coarse	EP52040	Price
M4.5	1	0.75	Coarse	EP52045	Price
M5	1	0.50	Fine	EP53050	Price
M5	1	0.80	Coarse	EP52050	Price
M5.5	1	0.90	Coarse	EP52055	Price
M6	1	0.50	Fine	EP53060	Price
M6	1	0.75	Fine	EP53061	Price
M6	1	1.0	Coarse	EP52060	Price
M7	1	0.75	Fine	EP53070	Price
M7	1	1.0	Coarse	EP52070	Price
M8	1	1.0	Fine	EP53080	Price
M8	1	1.25	Coarse	EP52080	Price
M9	1	1.0	Fine	EP53090	Price
M9	1	1.25	Coarse	EP52090	Price
M10	1	1.5	Coarse	EP52100A	Price
M10	1-1/2	1.25	Fine	EP53100	Price
M10	1-1/2	1.5	Coarse	EP52100	Price
M11	1-1/2	1.0	Fine	EP53110	Price
M11	1-1/2	1.5	Coarse	EP52110	Price
M12	1-1/2	1.25	Fine	EP53121	Price
M12	1-1/2	1.5	Fine	EP53120	Price
M12	1-1/2	1.75	Coarse	EP52120	Price
M14	1-1/2	1.25	Fine	EP53141	Price

Size	O.D. (in.)	Pitch	Style	Order No.	Price
M14	1-1/2	1.5	Fine	EP53140	Price
M14	1-1/2	2.0	Coarse	EP52140	Price
M16	1-1/2	1.5	Fine	EP53160	Price
M16	1-1/2	2.0	Coarse	EP52160	Price
M18	1-1/2	1.5	Fine	EP53181	Price
M18	1-1/2	2.0	Fine	EP53180	Price
M18	1-1/2	2.5	Coarse	EP52180	Price
M20	2	2.0	Fine	EP53200	Price
M20	2	2.5	Coarse	EP52200	Price
M22	2	2.0	Fine	EP53220	Price
M22	2	2.5	Coarse	EP52220	Price
M24	2	2.0	Fine	EP53240	Price
M24	2	3.0	Coarse	EP52240	Price
M28	2-1/2	2.0	Fine	EP53280	Price
M30	2-1/2	2.0	Fine	EP53300	Price
M30	2-1/2	3.5	Coarse	EP52300	Price

PROCUT NPT Round Adjustable Pipe Dies

High speed steel



Size	O.D. (in.)	Order No.	Price
1/16–27	1	EN52001	Price
1/8–27	1	EN52002	Price
1/8–27	1-1/2	EN62002	Price
1/4–18	1-1/2	EN62004	Price
3/8–18	1-1/2	EN62006	Price
1/2–14	2	EN72008	Price
3/4–14	2	EN72012	Price
1–11-1/2	2-1/2	EN82016	Price

PROCUT Metric Special Pitch Round Adjustable Dies

High Speed Steel



Size	O.D. (in.)	Order No.	Price
M1.6x0.35	1	ER6101635A	Price
M3.5x0.50	1	ER6135050A	Price
M3x0.60	1	ER6130060A	Price
M4.5x0.50	1	ER6145050A	Price
M5x0.90	1	ER6150090A	Price
M5x1.0	1	ER6150100A	Price
M6.3x1.0	1	ER6163010A	Price
M10x0.75	1	ER6110075A	Price
M10x1.0	1	ER6110100A	Price
M10x1.5	1	ER6110150A	Price
M10x1.0	1-1/2	ER6110100B	Price
M12x0.75	1-1/2	ER6112075B	Price
M12x1.0	1-1/2	ER6112100B	Price
M12x1.25	1-1/2	ER6112125B	Price
M13x1.0	1-1/2	ER6113100B	Price
M13x1.25	1-1/2	ER6113125B	Price
M13x1.5	1-1/2	ER6113150B	Price
M13x1.75	1-1/2	ER6113175B	Price
M14x1.0	1-1/2	ER6114100B	Price
M15x.75	1-1/2	ER6115075B	Price
M15x1.0	1-1/2	ER6115100B	Price
M15x1.50	1-1/2	ER6115150B	Price
M16x1.0	1-1/2	ER6116100B	Price
M17x1.5	1-1/2	ER6117150B	Price
M22x1.0	2	ER6122100C	Price
M25x2.0	2	ER6125200C	Price
M27x2.0	2-1/2	ER6127200D	Price
M27x3.0	2-1/2	ER6127300D	Price
M34x3.5	2-1/2	ER6134350D	Price
M36x2.0	2-1/2	ER6136200D	Price
M38x4.0	2-1/2	ER6138400D	Price

PROCUT Left Hand Round Adjustable Dies

High Speed Steel



Die OD (in.) - 13/16		
Size	Order No.	Price
2-56	ER620002NC	Price
2-64	ER620002NF	Price
3-48	ER620003NC	Price
3-56	ER620003NF	Price
4-40	ER620004NC	Price
4-48	ER620004NF	Price
5-40	ER620005NC	Price
5-44	ER620005NF	Price
6-32	ER620006NC	Price
6-40	ER620006NF	Price
8-32	ER620008NC	Price
8-36	ER620008NF	Price
10-24	ER620010NC	Price
10-32	ER620010NF	Price

Die OD (in.) - 1		
Size	Order No.	Price
6-32	ER621006NC	Price
6-40	ER621006NF	Price
8-32	ER621008NC	Price
8-36	ER621008NF	Price
10-24	ER621010NC	Price
10-32	ER621010NF	Price
12-24	ER621012NC	Price
12-28	ER621012NF	Price
1/4-20	ER621025NC	Price
1/4-28	ER621025NF	Price
5/16-18	ER621031NC	Price
5/16-24	ER621031NF	Price
3/8-16	ER621037NC	Price
3/8-24	ER621037NF	Price
7/16-14	ER621043NC	Price
7/16-20	ER621043NF	Price

Die OD (in.) - 1-1/2		
Size	Order No.	Price
1/4-20	ER622025NC	Price
1/4-28	ER622025NF	Price

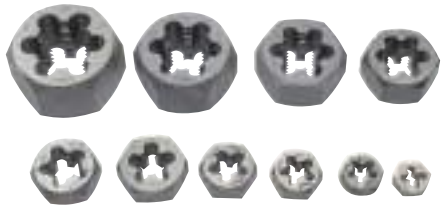
Die OD (in.) - 1-1/2		
Size	Order No.	Price
5/16-18	ER622031NC	Price
5/16-24	ER622031NF	Price
3/8-16	ER622037NC	Price
3/8-24	ER622037NF	Price
7/16-14	ER622043NC	Price
7/16-20	ER622043NF	Price
1/2-13	ER622050NC	Price
1/2-20	ER622050NF	Price
5/8-11	ER622065NC	Price
5/8-18	ER622065NF	Price
3/4-10	ER622075NC	Price
3/4-16	ER622075NF	Price

Die OD (in.) - 2		
Size	Order No.	Price
5/8-11	ER623065NC	Price
5/8-18	ER623065NF	Price
3/4-10	ER623075NC	Price
3/4-16	ER623075NF	Price
7/8-9	ER623087NC	Price
7/8-14	ER623087NF	Price
1-8	ER623100NC	Price
1-12	ER623100NF	Price

Die OD (in.) - 2-1/2		
Size	Order No.	Price
1-1/2-6	ER624150NC	Price
1-1/2-12	ER624150NF	Price
1-1/4-7	ER624125NC	Price
1-1/4-12	ER624125NF	Price
1-1/8-7	ER624112NC	Price
1-1/8-12	ER624112NF	Price
1-3/8-6	ER624137NC	Price
1-3/8-12	ER624137NF	Price

PROCUT Hexagon Rethreading Die Sets

- High carbon tool steel hexagon dies with extra thickness for restoring damaged threads
- Case not included



No. of Pieces - 10		
Set Range	Order No.	Price
1/4" thru 1" - Coarse	ET51403	Price
1/4" thru 1" - Fine	ET51413	Price

No. of Pieces - 5		
Set Range	Order No.	Price
1/4" thru 1/2" -- Coarse	ET51401	Price
1/4" thru 1/2" -- Fine	ET51411	Price

IRWIN HANSON 75 Pc. Super Tap & Die Combination Set

Modular case system

- Individual modular sets of SAE taps, SAE dies, metric taps, metric dies, drive tools
- Slim design fits in smallest tool drawers

Set includes:

- Plain die stock for 5/8" hex dies
- Adjustable die stock for 1" hex dies
- Adjustable tap wrench for taps #0 to 1/2"
- Two-in-one tap wrench 1/4" to 1/2"
- T-handle tap wrench 1/4" to 1/2"
- 16 Leaf fractional thread pitch gage
- 16 Leaf metric thread pitch gage
- **Thread size -machine screw:** 4-40, 6-32, 8-32, 10-24, 10-32, 12-24
- **Fractional:** 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20
- **Metric:** M3x0.50, M4x0.70, M4x0.75, M5x0.80, M5x0.90, M6x1.00, M7x1.00, M8x1.00, M8x1.25, M9x1.00, M9x1.25, M10x1.25, M10x1.50, M11x1.50, M12x1.50, M12x1.75
- **Pipe sizes:** 1/8-27 NPT, 1/8-28 BSP



Set Includes	Order No.	Price
Carbon Aligning Hex Die and Plug Style Taps	EW5126376	Price

Nu-Thread Thread Restoring Files

- Overlap a few good threads & use just like a file to restore damaged areas
- 7/16" Square x 8-1/2" overall length



For Use With - Bolts		
Repairs (TPI)	Order No.	Price
.80, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, & 3.00mm	FB808M	Price
11, 12, 13, 14, 16, 18, 20, & 24	FB801	Price
9, 10, 12, 16, 20, 27, 28, & 32	FB802	Price

For Use With - External Pipe Threads		
Repairs (TPI)	Order No.	Price
8, 10, 11-1/2, 14, 16, 18, 24 & 27 TPI	FB807	Price
8, 10, 11-1/2 & 14	FB805†	Price

† 1" x 1/2" x 8-3/8"

LANG Thread Restorer Files

- Restores damaged external threads, any diameter, right or left hand
- Select the proper number of threads per inch or millimeters per thread
- File is highly tempered for strength and durability



Repair Range	Order No.	Price
9, 10, 12, 16, 20, 27, 28, 32	KL402666	Price
11,12 ,13, 14, 16, 18, 20, 24	KL402665	Price
.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00mm	KL402670	Price

LANG 3 Pc. Thread Restorer File Set

- Restores damaged external threads, any diameter, right or left hand
- Files are highly tempered for strength and durability
- Pitches included on SAE rethread files (threads per inch): 9, 10, 11, 12, 13, 14, 16, 18, 20, 24, 27, 28, 30
- Pitches included on metric rethread files (millimeters per thread): .75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00

MADE IN THE USA



Order No.	Price
KL402573	Price

Hexagon Rethreading Dies



High Speed Steel or Carbon Steel

- Permits restoring of jammed threads to good condition
- Hexagon size is same as nut for thread being cut

Price	PROCUT	IRWIN HANSON	PROCUT
	Price		High Speed Steel
	Price	C.H. Hanson	ProCut
Die Thread Size	Order No. / Price	Order No. / Price	Order No. / Price
4-40	ER630004NC Price	- -	- -
4-48	ER630004NF Price	- -	- -
5-40	ER630005NC Price	- -	- -
5-44	ER630005NF Price	- -	- -
6-32	ER630006NC Price	- -	- -
8-32	ER630008NC Price	- -	- -
8-36	ER630008NF Price	- -	- -
10-24	ER630010NC Price	- -	- -
10-32	ER630010NF Price	- -	- -
12-24	ER630012NC Price	- -	- -
12-28	ER630012NF Price	- -	- -
3/16-24	ER630316NC Price	- -	- -
1/4-20	ER637220 Price	EW517220 Price	ER687220 Price
1/4-28	ER637223 Price	EW517223 Price	ER687223 Price
5/16-18	ER637227 Price	EW517227 Price	ER687227 Price
5/16-24	ER637229 Price	- -	ER687229 Price
3/8-16	ER637234 Price	EW517234 Price	ER687234 Price
3/8-24	ER637236 Price	EW517236 Price	ER687236 Price
7/16-14	ER637239 Price	EW517239 Price	ER687239 Price
7/16-20	ER637240 Price	EW517240 Price	ER687240 Price
1/2-13	ER637244 Price	EW517244 Price	ER687244 Price
1/2-20	ER637245 Price	EW517245 Price	ER687245 Price
9/16-12	ER637248 Price	EW517248 Price	ER687248 Price
9/16-18	ER637249 Price	EW517249 Price	ER687249 Price
5/8-11	ER637252 Price	EW517252 Price	ER687252 Price
5/8-18	ER637254 Price	EW517254 Price	ER687254 Price
11/16-11	ER637256 Price	EW517256 Price	- -
11/16-16	ER637257 Price	EW517257 Price	- -
3/4-10	ER637258 Price	EW517258 Price	ER687258 Price
3/4-16	ER637260 Price	EW517260 Price	ER687260 Price
7/8-9	ER637261 Price	EW517261 Price	ER687261 Price
7/8-14	ER637263 Price	EW517263 Price	ER687263 Price
1-8	ER637265 Price	EW517265 Price	ER687265 Price
1-12	ER637266 Price	EW517266 Price	ER687266 Price
1-14	ER637267 Price	EW517267 Price	ER687267 Price
1-1/8-7	ER637268 Price	EW517268 Price	ER687268 Price
1-1/8-12	ER637269 Price	EW517269 Price	ER687269 Price
1-1/4-7	ER637270 Price	EW517270 Price	ER687270 Price
1-1/4-12	ER637271 Price	EW517271 Price	ER687271 Price
1-3/8-6	ER637272 Price	EW517272 Price	ER687272 Price
1-3/8-12	ER637273 Price	EW517273 Price	ER687273 Price
1-1/2-6	ER637274 Price	EW517274 Price	ER687274 Price
1-1/2-12	ER637275 Price	EW517275 Price	ER687275 Price

PROCUT Left Hand Hexagon Rethreading Dies



Carbon Steel

Die Thread Size	Order No.	Price
1/4-20 NC	ER677220	Price
1/4-28 NF	ER677223	Price
5/16-18 NC	ER677227	Price
5/16-24 NF	ER677229	Price
3/8-16 NC	ER677234	Price
3/8-24 NF	ER677236	Price
7/16-14 NC	ER677239	Price
7/16-20 NF	ER677240	Price
1/2-13 NC	ER677244	Price
1/2-20 NF	ER677245	Price

Die Thread Size	Order No.	Price
5/8-11 NC	ER677252	Price
5/8-18 NF	ER677254	Price
3/4-10 NC	ER677258	Price
3/4-16 NF	ER677260	Price
7/8-14 NF	ER677263	Price
7/8-9 NC	ER677261	Price
1-8 NC	ER677265	Price
1-12 NF	ER677266	Price
1-14 NS	ER677267	Price

Special Thread Hexagon Rethreading Dies



Carbon Steel

Die Thread Size	Order No.	Price
1-1/8-8	ER6418008	Price
1-1/8-16	ER6418016	Price
1-1/8-18	ER6418018	Price
1-1/4-8	ER6420008	Price
1-1/4-16	ER6420016	Price
1-1/4-18	ER6420018	Price
1-3/8-8	ER6422008	Price
1-3/8-16	ER6422016	Price
1-3/8-18	ER6422018	Price
1-1/2-8	ER6424008	Price
1-1/2-16	ER6424016	Price
1-1/2-18	ER6424018	Price
1-1/2-20	ER6424020	Price
1-5/8-5-1/2	ER6426051	Price
1-5/8-8	ER6426008	Price
1-5/8-12	ER6426012	Price
1-5/8-16	ER6426016	Price
1-5/8-18	ER6426018	Price
1-3/4-5	ER6428005	Price
1-3/4-6	ER6428006	Price
1-3/4-8	ER6428008	Price
1-3/4-12	ER6428012	Price
1-3/4-18	ER6428018	Price
1-7/8-5	ER6430005	Price
1-7/8-8	ER6430008	Price
1-7/8-12	ER6430012	Price
1-7/8-16	ER6430016	Price

Die Thread Size	Order No.	Price
2-4-1/2	ER6432041	Price
2-8	ER6432008	Price
2-12	ER6432012	Price
2-18	ER6432018	Price
2-1/8-8	ER6434008	Price
2-1/8-12	ER6434012	Price
2-1/4-4-1/2	ER6436041	Price
2-1/4-8	ER6436008	Price
2-1/4-12	ER6436012	Price
2-1/4-16	ER6436016	Price
2-3/8-8	ER6438008	Price
2-3/8-12	ER6438012	Price
2-1/2-4	ER6440004	Price
2-1/2-6	ER6440006	Price
2-1/2-8	ER6440008	Price
2-1/2-12	ER6440012	Price
2-5/8-12	ER6442012	Price
2-3/4-8	ER6444008	Price
2-3/4-12	ER6444012	Price
2-7/8-12	ER6446012	Price
3-8	ER6448008	Price
3-12	ER6448012	Price
3-1/4-4	ER6450004	Price
3-1/4-8	ER6450008	Price
3-1/4-12	ER6450012	Price
3-1/2-8	ER6452008	Price
3-1/2-12	ER6452012	Price
4-8	ER6454008	Price
4-12	ER6454012	Price

PROCUT NPT Hexagon Rethreading Dies

Carbon Steel

Die Thread Size	Order No.	Price
1/8-27 NPT	ER667402	Price
1/4-18 NPT	ER667403	Price
3/8-18 NPT	ER667404	Price
1/2-14 NPT	ER667405	Price
3/4-14 NPT	ER667406	Price
1-11-1/2 NPT	ER667407	Price
1-1/4-11-1/2 NPT	ER667408	Price
1-1/2-11-1/2 NPT	ER667409	Price



PROCUT Metric Hexagon Rethreading Dies



Carbon Steel

Die Thread Size (mm)	Order No.	Price
M3 x .50	ER656612	Price
M3 x .60	ER656613	Price
M4 x .70	ER656617	Price
M4 x .75	ER656618	Price
M5 x .80	ER656622	Price
M5 x .90	ER656623	Price
M6 x 1.00	ER656627	Price
M6.3 x 1.00	ER656629	Price
M7 x 1.00	ER656631	Price
M8 x 1.00	ER656633	Price
M8 x 1.25	ER656634	Price
M9 x .75	ER656635	Price
M9 x 1.00	ER656636	Price
M9 x 1.25	ER656637	Price
M10 x 1.00	ER656638	Price
M10 x 1.25	ER656639	Price
M10 x 1.50	ER656640	Price
M11 x 1.50	ER656641	Price

Die Thread Size (mm)	Order No.	Price
M12 x 1.25	ER656642	Price
M12 x 1.50	ER656643	Price
M12 x 1.75	ER656644	Price
M14 x 1.25	ER656649	Price
M14 x 1.50	ER656650	Price
M14 x 2.00	ER656652	Price
M16 x 1.50	ER656655	Price
M16 x 2.00	ER656656	Price
M18 x 1.00	ER656658	Price
M18 x 1.50	ER656659	Price
M18 x 2.50	ER656661	Price
M20 x 2.50	ER656664	Price
M22 x 1.50	ER656665	Price
M24 x 1.50	ER656667	Price
M30 x 1.50	ER656673	Price

HeliCoil Inch Thread Repair Kits

- Quickly and permanently restore stripped, worn or damaged threads to their original size and condition
- Damaged threads can be restored to better than new condition
- Increase your repair capabilities and restore parts that otherwise would have to be scrapped



Inch Thread Repair Kits

Thread Type - Coarse				
Thread Size	Thread Length	Inserts per Kit	Order No.	Price
4-40	.168	24	**EX70540104**	Price
5-40	.189	24	**EX70540105**	Price
6-32	.207	24	**EX70540106**	Price
8-32	.246	24	**EX7054012**	Price
10-24	.285	24	**EX7054013**	Price
12-24	.324	24	**EX7054011**	Price
1/4-20	.375	24	**EX7054014**	Price
5/16-18	.469	24	**EX7054015**	Price
3/8-16	.562	12	**EX7054016**	Price
7/16-14	.656	12	**EX7054017**	Price
1/2-13	.750	12	**EX7054018**	Price
9/16-12	.844	6	**EX7054019**	Price
5/8-11	.938	6	**EX70540110**	Price
3/4-10	1.125	4	**EX70540112**	Price
7/8-9	1.312	6	**EX70552114**	Price
1-8	1.500	6	**EX70552116**	Price
1-1/8-7	1.688	5	**EX70552118**	Price
1-1/4-7	1.875	4	**EX70552120**	Price
1-3/8-6	2.062	4	**EX70552122**	Price
1-1/2-6	2.250	4	**EX70552124**	Price

Thread Type - Fine				
Thread Size	Thread Length	Inserts per Kit	Order No.	Price
6-40	.207	24	**EX70540206**	Price
8-36	.246	24	**EX7054022**	Price
10-32	.285	24	**EX7054023**	Price
1/4-28	.375	24	**EX7054024**	Price
5/16-24	.469	24	**EX7054025**	Price
3/8-24	.562	12	**EX7054026**	Price
7/16-20	.656	12	**EX7054027**	Price
1/2-20	.750	12	**EX7054028**	Price
9/16-18	.844	6	**EX7054029**	Price
5/8-18	.938	6	**EX70540210**	Price
3/4-16	1.125	4	**EX70540212**	Price
7/8-14	1.312	6	**EX70552814**	Price
1-12	1.500	6	**EX705528161**	Price
1-14	1.500	6	**EX70552816**	Price
1-1/8-12	1.688	5	**EX70552818**	Price
1-1/4-12	1.875	4	**EX70552820**	Price
1-3/8-12	2.062	4	**EX70552822**	Price
1-1/2-12	2.250	4	**EX70552824**	Price

HeliCoil Extracting Tools



Thread Size	Order No.	Price
#2	**EX70122702**	Price
#3 thru #8	**EX70122706**	Price
#10 thru 3/8	**EX7012276**	Price
7/16 thru 1	**EX70122716**	Price
1-1/8 thru 1-1/2	**EX70122724**	Price

Metric Thread Repair Kits

For Use With - Coarse				
Thread Size	Thread Length	Inserts per Kit	Order No.	Price
M3 x .50	4.5mm	12	**EX7054033**	Price
M4 x .70	6mm	12	**EX7054034**	Price
M5 x .80	7.5mm	12	**EX7054035**	Price
M6 x 1.00	9mm	12	**EX7054036**	Price
M7 x 1.00	10.5mm	12	**EX7054037**	Price
M8 x 1.25	12mm	12	**EX7054038**	Price
M10 x 1.50	15mm	12	**EX70540310**	Price
M12 x 1.75	18mm	12	**EX70540312**	Price
M14 x 2.00	21mm	12	**EX70540314**	Price
M16 x 2.00	24mm	6	**EX70540316**	Price
M18 x 2.50	27mm	6	**EX70540318**	Price
M20 x 2.50	30mm	4	**EX70540320**	Price

For Use With - Fine				
Thread Size	Thread Length	Inserts per Kit	Order No.	Price
M8 x 1.00	-	12	**EX7054048**	Price
M10 x 1.00	15mm	12	**EX70540410**	Price
M10 x 1.25	15mm	12	**EX70540510**	Price
M12 x 1.25	18mm	12	**EX70540512**	Price
M12 x 1.50	18mm	12	**EX70540612**	Price
M14 x 1.50	21mm	12	**EX70540614**	Price
M16 x 1.50	24mm	6	**EX70540616**	Price
M18 x 1.50	27mm	6	**EX70540618**	Price

HeliCoil Master Thread Repair Sets

- Each set contains the necessary taps, drills, installation tools and inserts to repair common thread problems
- Available in coarse or fine pitch, inch or metric
- These sets contain a complete product inventory that solves a wide range of the most commonly encountered inch coarse and fine thread repair problems
- Packed in durable, custom-molded case along with instruction sheet, drill and product reference chart



Thread Size	Order No.	Price
M5 x .8 thru M10 x 1.5	**EX704937150**	Price
10-32 thru 1/2-20	**EX704936**	Price
1/4-20 thru 5/8-11	**EX704934**	Price

HeliCoil Pneumatic Power Tool Installation Kit

- **8522 Kit** contains an air motor, adapter, tools, a filter-regulator-lubricator, oil, two (2) quick disconnect fittings and wrenches and handles sizes up to 1/4" (M6)
- **8521 Kit** includes all of the same contents and handles sizes up to1/2" (M12)
- Front end assemblies may be ordered separately to fit the sizes of Heli-Coil inserts to be installed



For Use With - Front End Assemblies		
Thread Size	Order No.	Price
up to 1/4", M6	**EX708521**	Price
up to 1/2", M12	**EX708522**	Price

For Use With - Power Tool Installer		
Thread Size	Order No.	Price
4-40	**EX70855104**	Price
5-40	**EX70855105**	Price
6-32	**EX70855106**	Price
6-40	**EX70855206**	Price
8-32	**EX7085512**	Price
10-24	**EX7085513**	Price
10-32	**EX7085523**	Price
1/4-20	**EX7085514**	Price
1/4-28	**EX7085524**	Price
5/16-18	**EX7082515**	Price
5/16-24	**EX7082525**	Price
3/8-16	**EX7082516**	Price
3/8-24	**EX7082526**	Price
7/16-14	**EX7082517**	Price
7/16-20	**EX7082527**	Price
1/2-13	**EX7082518**	Price
1/2-20	**EX7082528**	Price

HeliCoil Inserting Tools



For Use With - Coarse Thread		
Thread Size	Order No.	Price
4-40	**EX70228804**	Price
6-32	**EX70228806**	Price
8-32	**EX7022882**	Price
10-24	**EX7022883**	Price
12-24	**EX7022881**	Price
1/4-20	**EX7022884**	Price
5/16-18	**EX7022885**	Price
3/8-16	**EX7022886**	Price
7/16-14	**EX7022887**	Price
1/2-13	**EX7022888**	Price
9/16-12	**EX7022889**	Price
5/8-11	**EX70228810**	Price
3/4-10	**EX70228812**	Price

For Use With - Fine Thread		
Thread Size	Order No.	Price
10-32	**EX7022993**	Price
1/4-28	**EX7022994**	Price
5/16-24	**EX7022995**	Price
3/8-24	**EX7022996**	Price
7/16-20	**EX7022997**	Price
1/2-20	**EX7022998**	Price
9/16-18	**EX7022999**	Price
5/8-18	**EX70229910**	Price
3/4-16	**EX70229912**	Price

HeliCoil Package Inserts




For Use With - Coarse Thread				
Thread Size	Thread Length	Inserts per Pack	Order No.	Price
4-40	.168	12	EX70R118504	Price
5-40	.188	12	EX70R118505	Price
6-32	.207	12	EX70R118506	Price
8-32	.246	12	EX70R11852	Price
10-24	.285	12	EX70R11853	Price
12-24	.324	12	EX70R11851	Price
1/4-20	.375	12	EX70R11854	Price
5/16-18	.469	12	EX70R11855	Price
3/8-16	.562	12	EX70R11856	Price
7/16-14	-	6	EX70R11857	Price
1/2-13	.750	6	EX70R11858	Price
9/16-12	.844	6	EX70R11859	Price
5/8-11	.938	6	EX70R118510	Price
3/4-10	1.125	4	EX70R118512	Price
7/8-9	1.312	1	EX70K118514	Price
1-8	1.500	1	EX70K118516	Price
1-1/8-7	1.688	1	EX70K118518	Price
1-1/4-7	1.875	1	EX70K118520	Price
1-3/8-6	2.062	1	EX70K118522	Price
1-1/2-6	2.250	1	EX70K118524	Price
M3 x .50	4.5mm	12	EX70R10843	Price
M4 x .70	6mm	12	EX70R10844	Price
M5 x .80	7.5mm	12	EX70R10845	Price
M6 x 1.00	9mm	12	EX70R10846	Price
M7 x 1.00	10.5mm	12	EX70R10847	Price
M8 x 1.25	12mm	12	EX70R10848	Price
M10 x 1.50	15mm	12	EX70R108410	Price
M12 x 1.75	18mm	6	EX70R108412	Price
M14 x 2.00	21mm	6	EX70R108414	Price
M16 x 2.00	24mm	6	EX70R108416	Price
M18 x 2.50	27mm	6	EX70R108418	Price
M20 x 2.50	30mm	4	EX70R108420	Price

For Use With - Fine Thread				
Thread Size	Thread Length	Inserts per Pack	Order No.	Price
6-40	.207	12	EX70R119106	Price
8-36	.246	12	EX70R11912	Price
10-32	.285	12	EX70R11913	Price
1/4-28	.375	12	EX70R11914	Price
5/16-24	.469	12	EX70R11915	Price
3/8-24	.562	12	EX70R11916	Price
7/16-20	.656	6	EX70R11917	Price
1/2-20	.750	6	EX70R11918	Price
9/16-18	.844	6	EX70R11919	Price
5/8-18	.938	6	EX70R119110	Price
3/4-16	1.125	4	EX70R119112	Price
7/8-14	1.312	1	EX70K119114	Price
1-12	1.500	1	EX70K1191161	Price
1-14	1.500	1	EX70K119116	Price
1-1/8-12	1.688	1	EX70K119118	Price
1-1/4-12	1.875	1	EX70K119120	Price
1-3/8-12	2.062	1	EX70K119122	Price
1-1/2-12	2.250	1	EX70K119124	Price
M8 x 1.00	8mm	12	EX70R42558	Price
M10 x 1.00	15mm	12	EX70R425510	Price
M10 x 1.25	15mm	12	EX70R464910	Price
M12 x 1.25	18mm	6	EX70R464912	Price
M12 x 1.50	18mm	6	EX70R374512	Price
M14 x 1.50	21mm	6	EX70R374514	Price
M16 x 1.50	24mm	6	EX70R374516	Price

Larger Quantity Discounts are available for Bulk Inserts. Metric and Screw-Locking Styles are also available.

Specify Part Number + Length
When Ordering Bulk Inserts.
Example: EX70-1185-4CN 500 = 1/4-20 x .500

HeliCoil Standard Bulk Inserts




Thread Size	Thread Length	Order No.	Price
2-56	.086	EX70118502CN086	Price
2-56	.129	EX70118502CN129	Price
2-56	.172	EX70118502CN172	Price
4-40	.112	EX70118504CN112	Price
4-40	.168	EX70118504CN168	Price
4-40	.224	EX70118504CN224	Price
6-32	.138	EX70118506CN138	Price
6-32	.207	EX70118506CN207	Price
6-32	.276	EX70118506CN276	Price
8-32	.164	EX7011852CN164	Price
8-32	.246	EX7011852CN246	Price
10-24	.190	EX7011853CN190	Price
10-24	.285	EX7011853CN285	Price
10-32	.380	EX7011913CN380	Price
1/4-20	.250	EX7011854CN250	Price
1/4-20	.375	EX7011854CN375	Price
1/4-28	.500	EX7011914CN500	Price
5/16-18	.312	EX7011855CN312	Price
5/16-18	.469	EX7011855CN469	Price
5/16-24	.625	EX7011915CN625	Price
3/8-16	.375	EX7011856CN375	Price
3/8-16	.562	EX7011856CN562	Price
3/8-24	.750	EX7011916CN750	Price
7/16-14	.438	EX7011857CN438	Price
7/16-14	.656	EX7011857CN656	Price
7/16-20	.875	EX7011917CN875	Price
1/2-13	.500	EX7011858CN500	Price
1/2-13	.750	EX7011858CN750	Price
1/2-20	1.000	EX7011918CN1000	Price
9/16-12	.562	EX7011859CN562	Price
9/16-18	.844	EX7011919CN844	Price
5/8-11	.625	EX70118510C625	Price
5/8-11	.938	EX70118510C938	Price
5/8-18	1.250	EX70119110C1250	Price
3/4-10	.750	EX70118512C750	Price
3/4-16	1.125	EX70119112C1125	Price
7/8-9	.875	EX70118514C875	Price
7/8-14	1.312	EX70119114C1312	Price
1-8	1.000	EX70118516C1000	Price
1-8	1.500	EX70118516C1500	Price
1-8	2.000	EX70118516C2000	Price

Please contact us with your requirements.



Type I
Threaded Mandrel
Sizes 2-56 and 3-48



Type II
Prewinder
#4 thru 1/2" UNC, #3 thru 1/2" UNF



Type III
Threaded Mandrel
9/16" thru 1-1/2" UNC



Type IV
Non-Captive Prewinder
9/16" thru 1-1/2" UNF

Production Inserting Tools - Inch Series

Thread Size	Order No.	Price
2-56	EX7055102	Price
3-48	EX7055103	Price
4-40	EX70755104	Price
5-40	EX70755105	Price
6-32	EX70755106	Price
8-32	EX7075512	Price
10-24	EX7075513	Price
12-24	EX7075511	Price
1/4-20	EX7075514	Price
5/16-18	EX7075515	Price
3/8-16	EX7075516	Price
7/16-14	EX7075517	Price
1/2-13	EX7075518	Price
9/16-12	EX7037249	Price
5/8-11	EX70372410	Price
3/4-10	EX70372412	Price
7/8-9	EX70372414	Price
1-8	EX70372416	Price
3-56	EX70755203	Price
4-48	EX70755204	Price
6-40	EX70755206	Price
8-36	EX7075522	Price
10-32	EX7075523	Price
1/4-28	EX7075524	Price
5/16-24	EX7075525	Price
3/8-24	EX7075526	Price
7/16-20	EX7075527	Price
1/2-20	EX7075528	Price
9/16-18	EX705359	Price
5/8-18	EX7053510	Price
3/4-16	EX7053512	Price
7/8-14	EX7053514	Price
1-12	EX70535161	Price
1-14	EX7053516	Price

RECOIL Thread Repair Inserts

- Manufactured to the highest quality standards including ISO-9000 and QS-9000
- Also available in locking style, a variety of materials and sizes to numerous to list



System Of Measurement - Inch	Thread Type - Coarse			
Size	Length	Pkg. Qty.	Order No.	Price
4-40	.168	10	EX7123543	Price
5-40	.188	10	EX7123553	Price
6-32	.207	10	EX7123563	Price
8-32	.246	10	EX7123583	Price
10-24	.285	10	EX7123603	Price
12-24	.324	10	EX7123623	Price
1/4-20	.375	10	EX7123043	Price
5/16-18	.469	10	EX7123053	Price
3/8-16	.562	10	EX7123063	Price
7/16-14	.656	10	EX7123073	Price
1/2-13	.750	10	EX7123083	Price
9/16-12	.844	5	EX7123093	Price
5/8-11	.938	5	EX7123103	Price
3/4-10	1.125	5	EX7123123	Price
7/8-9	1.312	3	EX7123143	Price
1-8	1.500	1	EX7123163	Price
1-1/8-7	1.688	1	EX7123183	Price
1-1/4-7	1.875	1	EX7123203	Price
1-3/8-6	2.062	1	EX7123223	Price
1-1/2-6	2.250	1	EX7123243	Price

System Of Measurement - Inch	Thread Type - Fine			
Size	Length	Pkg. Qty.	Order No.	Price
6-40	.207	10	EX7124563	Price
8-36	.246	10	EX7124583	Price
10-32	.285	10	EX7124603	Price
1/4-28	.375	10	EX7124043	Price
5/16-24	.469	10	EX7124053	Price
3/8-24	.562	10	EX7124063	Price
7/16-20	.656	10	EX7124073	Price
1/2-20	.750	10	EX7124083	Price
9/16-18	.844	5	EX7124093	Price
5/8-18	.938	5	EX7124103	Price
3/4-16	1.125	5	EX7124123	Price
7/8-14	1.312	3	EX7124143	Price
1-12	1.500	1	EX7124163	Price
1-14	1.500	1	EX712416314	Price
1-1/8-12	1.688	1	EX7124183	Price
1-1/4-12	1.875	1	EX7124203	Price
1-3/8-12	2.062	1	EX7124223	Price
1-1/2-12	2.250	1	EX7124243	Price

System Of Measurement - Metric	Thread Type - Coarse			
Size	Length	Pkg. Qty.	Order No.	Price
M3 x .50	4.5mm	10	EX7125033	Price
M4 x .70	6mm	10	EX7125043	Price
M5 x .80	7.5mm	10	EX7125053	Price
M6 x 1.00	9mm	10	EX7125063	Price
M7 x 1.00	10.5mm	10	EX7125073	Price
M8 x 1.25	12mm	10	EX7125083	Price
M10 x 1.50	15mm	10	EX7125103	Price
M12 x 1.75	18mm	10	EX7125123	Price
M14 x 2.00	21mm	5	EX7125143	Price
M16 x 2.00	24mm	5	EX7125163	Price
M18 x 2.50	27mm	5	EX7125183	Price
M20 x 2.50	30mm	5	EX7125203	Price

System Of Measurement - Metric	Thread Type - Fine			
Size	Length	Pkg. Qty.	Order No.	Price
M8 x 1.00	12mm	10	EX7127083	Price
M10 x 1.00	15mm	10	EX7128103	Price
M10 x 1.25	15mm	10	EX7127103	Price
M12 x 1.25	18mm	10	EX7128123	Price
M12 x 1.50	18mm	10	EX7127123	Price
M14 x 1.50	21mm	5	EX7127143	Price
M16 x 1.50	24mm	5	EX7127163	Price

RECOIL Thread Repair Inserts Standard Bulk



Price					
Size	Length	Order No.	1 -100	101 -500	501+
2-56	.086	EX7103522†	Price	Price	Price
2-56	.129	EX7103523†	Price	Price	Price
2-56	.172	EX7103524†	Price	Price	Price
3-48	.099	EX7103532†	Price	Price	Price
3-48	.148	EX7103533†	Price	Price	Price
3-48	.198	EX7103534†	Price	Price	Price
4-40	.112	EX7103542†	Price	Price	Price
4-40	.168	EX7103543†	Price	Price	Price
4-40	.224	EX7103544†	Price	Price	Price
5-40	.125	EX7103552†	Price	Price	Price
5-40	.188	EX7103553†	Price	Price	Price
5-40	.250	EX7103554†	Price	Price	Price
6-32	.138	EX7103562†	Price	Price	Price
6-32	.207	EX7103563†	Price	Price	Price
6-32	.276	EX7103564†	Price	Price	Price
8-32	.164	EX7103582†	Price	Price	Price
8-32	.246	EX7103583†	Price	Price	Price
10-24	.190	EX7103602†	Price	Price	Price
10-24	.285	EX7103603†	Price	Price	Price
1/4-20	.250	EX7103042†	Price	Price	Price
1/4-20	.375	EX7103043†	Price	Price	Price
5/16-18	.312	EX7103052†	Price	Price	Price
5/16-18	.469	EX7103053†	Price	Price	Price
3/8-16	.375	EX7103062	Price	Price	Price
3/8-16	.562	EX7103063	Price	Price	Price
7/16-14	.438	EX7103072	Price	Price	Price
7/16-14	.656	EX7103073	Price	Price	Price
1/2-13	.500	EX7103082	Price	Price	Price
1/2-13	.750	EX7103083	Price	Price	Price

System of Measurement - Metric					
Size	Length	Order No.	1 -100	101 -500	501+
M3 x .50	3mm	EX7105032†	Price	Price	Price
M3 x .50	4.5mm	EX7105033†	Price	Price	Price
M3 x .50	6mm	EX7105034†	Price	Price	Price
M4 x .70	4mm	EX7105042†	Price	Price	Price
M4 x .70	6mm	EX7105043†	Price	Price	Price
M4 x .70	8mm	EX7105044†	Price	Price	Price
M5 x .80	5mm	EX7105052†	Price	Price	Price
M5 x .80	7.5mm	EX7105053†	Price	Price	Price
M5 x .80	10mm	EX7105054†	Price	Price	Price
M6 x 1.00	6mm	EX7105062†	Price	Price	Price
M6 x 1.00	9mm	EX7105063†	Price	Price	Price
M6 x 1.00	12mm	EX7105064†	Price	Price	Price
M7 x 1.00	7mm	EX7105072†	Price	Price	Price
M7 x 1.00	10.5mm	EX7105073†	Price	Price	Price
M7 x 1.00	14mm	EX7105074†	Price	Price	Price
M8 x 1.25	8mm	EX7105082†	Price	Price	Price
M8 x 1.25	12mm	EX7105083†	Price	Price	Price
M8 x 1.25	16mm	EX7105084†	Price	Price	Price
M10 x 1.50	10mm	EX7105102	Price	Price	Price
M10 x 1.50	15mm	EX7105103	Price	Price	Price
M10 x 1.50	20mm	EX7105104	Price	Price	Price
M12 x 1.75	12mm	EX7105122	Price	Price	Price
M12 x 1.75	18mm	EX7105123	Price	Price	Price
M12 x 1.75	24mm	EX7105124	Price	Price	Price
M14 x 2.00	14mm	EX7105142	Price	Price	Price
M14 x 2.00	21mm	EX7105143	Price	Price	Price
M14 x 2.00	28mm	EX7105144	Price	Price	Price
M16 x 2.00	16mm	EX7105162	Price	Price	Price
M16 x 2.00	24mm	EX7105163	Price	Price	Price
M16 x 2.00	32mm	EX7105164	Price	Price	Price

† These inserts are only sold in multiples of 100

RECOIL Production Inserting Tools



Thread Type - Coarse	System Of Measurement - Inch	
Thread Size	Order No.	Price
2-56	EX7153522U	Price
3-48	EX7153532U	Price
4-40	EX7153542U	Price
5-40	EX7153552U	Price
6-32	EX7153562U	Price
8-32	EX7153582U	Price
10-24	EX7153602U	Price
12-24	EX7153622U	Price
1/4-20	EX7153042U	Price
5/16-18	EX7153052U	Price
3/8-16	EX7153062U	Price
7/16-14	EX7153072U	Price
1/2-13	EX7153082U	Price
9/16-12	EX7153096	Price
5/8-11	EX7153106	Price
3/4-10	EX7153126	Price
7/8-9	EX7153146	Price
1-8	EX7153166	Price

Thread Type - Coarse	System Of Measurement - Metric	
Thread Size	Order No.	Price
M2.5 x .45	EX7155252U	Price
M3 x .50	EX7155032U	Price
M4 x .70	EX7155042U	Price
M5 x .80	EX7155052U	Price
M6 x 1.00	EX7155062U	Price
M7 x 1.00	EX7155071	Price
M8 x 1.25	EX7155082U	Price
M10 x 1.50	EX7155102U	Price
M12 x 1.75	EX7155122U	Price
M14 x 2.00	EX7155146	Price
M16 x 2.00	EX7155166	Price
M18 x 2.50	EX7155186	Price
M20 x 2.50	EX7155206	Price

Thread Type - Fine	System Of Measurement - Inch	
Thread Size	Order No.	Price
3-56	EX7154531	Price
4-48	EX7154542U	Price
6-40	EX7154562U	Price
8-36	EX7154582U	Price
10-32	EX7154602U	Price
1/4-28	EX7154042U	Price
5/16-24	EX7154052U	Price
3/8-24	EX7154062U	Price
7/16-20	EX7154072U	Price
1/2-20	EX7154082U	Price
9/16-18	EX7154091	Price
5/8-18	EX7154101	Price
3/4-16	EX7154121	Price
7/8-14	EX7154141	Price
1-12	EX7154161	Price
1-14	EX7154171	Price

Thread Type - Fine	System Of Measurement - Metric	
Thread Size	Order No.	Price
M8 x 1.00	EX7157082U	Price
M10 x 1.00	EX7158102U	Price
M10 x 1.25	EX7157102U	Price
M12 x 1.25	EX7158122U	Price
M12 x 1.50	EX7157122U	Price

Starrett® Plain Tap Wrenches



- For holding taps, drills, reamers and small tools to be turned by hand
- Body is centered for use on lathe centers or drilling machines to start tap straight
- Jaws heat treated to with stand hard use
- All wrenches have sliding handle
- Bodies are longer on 2nd one listed for each size which permits work at depths which cannot be reached with shorter wrenches

Tap Capacity	Length (in.)	Order No.	Price
1/16 - 3/16	2	**MV7050427**	Price
1/16 - 3/16	6	**MV7050430**	Price
7/32 - 7/16	2-1/2	**MV7050428**	Price
7/32 - 7/16	10	**MV7050431**	Price
1/4 - 1/2	3-1/2	**MV7050429**	Price
1/4 - 1/2	13	**MV7050432**	Price

T-Handle Tap Wrenches- Plain Style



- Hardened and tempered jaws

Tap Capacity	Order No.	Price
#0 - #8	**EV52182**	Price
#8 - 1/4	**EV52183**	Price
1/4 - 1/2	**EV52184**	Price
3-Pc. Set #0-1/2	**EV52003**	Price

Starrett® Tap Wrenches

- Highly finished tempered gripping surfaces
- Holds square or round shanks
- Plunger operated by knurled sleeve
- Spring inside sleeve causes plunger to back off when pressure removed



Tap Capacity	Length (in.)	Order No.	Price
1/16 - 1/4	6	**MV7050419**	Price
3/16 - 1/2	9	**MV7050420**	Price
1/4 - 5/8	12	**MV7050421**	Price
5/16 - 3/4	16	**MV7050422**	Price

NATIONAL Extra Long T-Handle Tap Wrenches



- Hardened and tempered jaw
- Reversible ratchet
- 13” Long

Tap Capacity	Length (in.)	Order No.	Price
1/16 - 1/4	13	**EV52188L**	Price
1/4 - 1/2	13	**EV52189L**	Price
2-Pc. Set 1/16 - 1/2	13	**EV52190L**	Price

GENERAL Plain Tap Wrenches



- NE50163 has a fixed T-handle
- NE50164 and NE50166 have sliding T-handle which is good for fitting into tight spaces with greater leverage

Tap Capacity	Length (in.)	Order No.	Price
#0 - #8	2-1/4	**NE50163**	Price
0 - 1/4	2-3/4	**NE50164**	Price
#12 - 1/2	3-3/4	**NE50166**	Price

GENERAL Reversible Ratchet Tap Wrenches



- Ratchet can be set for right or left hand operation or locked for non-ratchet use
- Self centering hardened tool steel jaws and knurled chuck sleeve provide positive grip on taps, reamers and small tools
- NE50161R conforms to government specifications GGG-W-680a

Tap Capacity	Length (in.)	Order No.	Price
#0 - #8	2-3/4	**NE50160R**	Price
0 - 1/4	3-1/2	**NE50161R**	Price
#12 - 1/2	4-1/4	**NE50162R**	Price

T-Handle Tap Wrenches- Knurled Nut



- Sliding handle with spring tension stop
- May be extended to full length for more leverage
- Positive grip knurled nut

Tap Capacity	Order No.	Price
#0 - #8	**EV52TR0E**	Price
0 - 1/4	**EV52TR1E**	Price
#12 - 5/16	**EV52TR112E**	Price
#12 - 1/2	**EV52TR2E**	Price
4-Pc. Set #0-1/2	**EV52TR4**	Price

T-Handle Tap Wrenches- Reversible Ratchet Style



- Hardened and tempered jaws

Tap Capacity	Order No.	Price
#0 - #8	**EV52185**	Price
#8 - 1/4	**EV52186**	Price
#12 - 1/2	**EV52187**	Price
3-Pc. Set #0-1/2	**EV52004**	Price

Straight Tap Wrenches



- Heavy duty
- Quickly adjusts by turning handle
- Two jaws
- Hardened steel for long wear
- Knurled handles
- Use for taps or reamers

Hand Taps (in.)	Machine Screw	Pipe	Hand Reamers (in.)	Order No.	Price
1/16 - 1/4	0 - 14	-	1/8 - 21/64	**EV510**	Price
5/32 - 3/4	7 - 14	1/8 - 1/4	11/64 - 41/64	**EV516**	Price
5/32 - 1/2	7 - 14	1/8	11/64 - 7/16	**EV515**	Price
1/4 - 1-1/8	-	1/8 - 3/4	9/32 - 29/32	**EV517**	Price
3/4 - 1-5/8	-	3/8 - 1-1/4	37/64 - 1-11/32	**EV518**	Price
1 - 2-1/2	-	3/4 - 2	7/8 - 2-1/2	**EV5122**	Price

NATIONAL Tap Extensions



- Use when extra reach is required

Tap Capacity	Length (in.)	Order No.	Price
0 - 1/4	7	**EV52TE1**	Price
#12 - 1/2	10-3/4	**EV52TE2**	Price
2-Pc set #0-1/2	7 - 10-3/4	**EV52TE3**	Price

Multi-Purpose Tap & Die Wrench Set



- Eliminates the need for individual tap wrenches and die stocks
- Drives dies with 1” or 1-1/2” outside diameter
- Drives taps 1/4” thru 1/2”

Order No.	Price
ET5020313	Price

Piloted Spindle Tap Wrenches



- Used for threading a drilled hole manually at one machine location, without moving the workpiece
- Reduce tap breakage
- Simple to use

Tap Capacity	Order No.	Price
0 - 1/4	**EV52E176**	Price
#12 - 1/2	**EV52E276**	Price
2-Pc. Set #0-1/2	**EV52E300**	Price

IRWIN HANSON 2 Pc. Adjustable Tap Socket



- Jaws adjust to tightly secure taps
- Square drive (3/8”) compatible with common ratchets
- Small profile for use in tight spaces
- Two sizes cover taps up to 1/2”

Order No.	Price
EW513095001	Price

IRWIN HANSON T-Handle Regular & Ratcheting Tap Wrenches

T-Handle Ratcheting Tap Wrenches

- Three-position gear box provides quick, efficient ratcheting action
- Knurled nut for tightening
- Ideal for hard-to-reach areas
- Chrome plated for long life and rust resistance



T-Handle Tap Wrenches

- Designed for use with taps and many other tools turned by hand
- Adjust and tighten to size by twisting knurled nut
- Additional holding jaws are recessed inside the hole for gripping onto smaller sized taps
- T-handle can be extended to either direction for more leverage



Type - T-Handle		
Description	**Order No.**	**Price**
For taps No. 0 to 1/4 (3mm to 6mm)	**EW5112001**	Price
For taps 1/4 to 1/2 (6mm to 12mm)	**EW5112002**	Price

Type - T-Handle / Ratchet		
Description	**Order No.**	**Price**
For taps No. 0 to 1/4 (3mm to 6mm)	**EW5121201**	Price
For taps 1/4 to 1/2 (6mm to 12mm)	**EW5121202**	Price
10" Extended length for taps No. 0 to 1/4 (3mm to 6mm)	**EW5121210**	Price
12" Extended length for taps 1/4 to 1/2 (6mm to 12mm)	**EW5121212**	Price

IRWIN HANSON Tap & Reamer Wrenches

- Solid construction
- Straight handle design provides greater leverage



Holding Capacity	Order No.	Price
#0-1/2 (3.0mm - 12.0mm)	**EW51311088**	Price
1/4 - 1 (6.0mm - 24.0mm)	**EW5112498**	Price

IRWIN HANSON Adjustable Guide Die Stock

- Accurate straight threading
- Dies lock in position with set screw



Description	Order No.	Price
For 1 Adjustable Round Dies	**EW5112428**	Price
For 1 Hexagon or Round Dies	**EW5111026**	Price
1-7/16 Hexagon Dies	**EW5112436**	Price
For 1-1/2 Adjustable Round Dies	**EW5112435**	Price
For 1-13/16 Hexagon Dies	**EW5112446**	Price
For 2 Adjustable Round Dies	**EW5112445**	Price

Interchangeable Reversible Ratchet Tap Holder Set

- Set consists of: 1/8" to 1/4" chuck, 1/4" to 1/2" chuck, 2 handles and tap wrench



Order No.	Price
EV52RRTH	Price

6 Pc. Tap Wrench Set

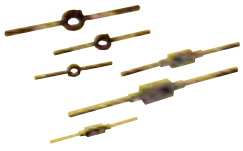
- 3 Straight tap wrenches: 1/16 - 1/4", 5/32" - 1/2", 5/32" - 3/4"
- 3 T-handle tap wrenches: #0- #8, #8- 1/4", 1/4" - 1/2"



Order No.	Price
EV52TR6	Price

6 Pc. Die & Tap Wrench Set

- 3 Die stocks: 13/16", 1" and 1-1/2"
- 3 Straight tap wrenches: 1/16" - 1/4", 5/32" - 1/2", 5/32" - 3/4"



Order No.	Price
EV50006	Price

Die Holders

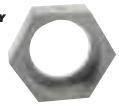
- Ideal for short or medium run threading of shafts, etc
- Can be used safely on lathes, milling machines, tapping heads, etc
- Shank length-2"
- Body length-1"



Round Die OD Size (in.)	Shank Dia. (in.)	Order No.	Price
13/16	1/2	**EV50218**	Price
1	1/2	**EV50219**	Price
1-1/2	3/4	**EV50220**	Price
13/16, 1, 1-1/2 (3 pc set)	1/2, 1/2, 3/4	**EV50003**	Price

Die Adapters

- Converts round dies to hex dies
- Use where conventional die stocks cannot swing due to lack of space



Round Die OD Size (in.)	Dia. Across Flats (in.)	Order No.	Price
13/16	1-1/16	**EV53052**	Price
1	1-1/4	**EV53100**	Price
1-1/2	1-31/32	**EV53132**	Price
2	2-9/16	**EV53200**	Price
2-1/2	3	**EV53232**	Price
3	3-1/2	**EV53300**	Price
13/16, 1, 1-1/2, 2 (4 pc set)	Set	**EV53SET**	Price

Die Stocks

- Holds round, solid or adjustable dies
- Rugged long lasting
- Heavy duty set screw holds die firmly in place



Round Die OD Size (in.)	Order No.	Price
5/8	**EV50625**	Price
13/16	**EV50812**	Price
1	**EV50100**	Price
1-1/2	**EV50150**	Price
2	**EV50200**	Price
2-1/2	**EV50250**	Price
3	**EV50300**	Price
4	**EV50400**	Price
5	**EV50500**	Price
13/16, 1, 1-1/2, 2 (4 Pc set)	**EV50004**	Price

WALTON Tap Extractor Units

- Removes broken taps quickly
- Extractor fingers fit into flutes of broken tap and a few turns of a tap wrench on the extractor removes the broken tap



No. of Flutes - 2 Flute			
Size	Metric Size	Order No.	Price
#4	M3	EX5010042	Price
#5 (1/8)	M3.2	EX5010052	Price
#6	M3.5	EX5010062	Price
#8	M4	EX5010082	Price
#10 (3/16)	M5	EX5010102	Price
#12	M5.5	EX5010122	Price
1/4	M6	EX5010252	Price
5/16	M7 & M8	EX5010312	Price
3/8	M9 & M10	EX5010372	Price
7/16	M11	EX5010432	Price
1/2	M12	EX5010502	Price

No. of Flutes - 3 Flute			
Size	Metric Size	Order No.	Price
#4	M3	EX5010043	Price
#5 (1/8)	M3.2	EX5010053	Price
#6	M3.5	EX5010063	Price
#8	M4	EX5010083	Price
#10 (3/16)	M5	EX5010103	Price
#12	M5.5	EX5010123	Price
1/4	M6	EX5010253	Price
5/16	M7 & M8	EX5010313	Price
3/8	M9 & M10	EX5010373	Price
7/16	M11	EX5010433	Price
1/2	M12	EX5010503	Price
9/16	M14	EX5010563	Price
5/8	M16	EX5010623	Price
3/4	M18 & M20	EX5010753	Price
7/8	M22	EX5010873	Price
1	M25	EX5011003	Price

No. of Flutes - 4 Flute			
Size	Metric Size	Order No.	Price
#6	M3.5	EX5010064	Price
#8	M4	EX5010084	Price
#10 (3/16)	M5	EX5010104	Price
#12	M5.5	EX5010124	Price
1/4	M6	EX5010254	Price
9/32	M7	EX5010284	Price
5/16	M7 & M8	EX5010314	Price
11/32	-	EX5010344	Price
3/8	M9 & M10	EX5010374	Price
13/32	M10	EX5010404	Price
7/16	M11	EX5010434	Price
1/2	M12	EX5010504	Price
9/16	M14	EX5010564	Price
5/8	M16	EX5010624	Price
11/16	M18	EX5010684	Price
3/4	M18 & M20	EX5010754	Price
7/8	M22	EX5010874	Price
1	M25	EX5011004	Price
1-1/8	M28	EX5011124	Price
1-1/4	M32	EX5011254	Price
1-3/8	M35	EX5011374	Price
1-1/2	M38	EX5011504	Price

No. of Flutes - 6 Flute			
Size	Metric Size	Order No.	Price
1-1/8	M28	EX5011126	Price
1-1/4	M32	EX5011256	Price
1-3/8	M35	EX5011376	Price
1-1/2	M38	EX5011506	Price

WALTON Tap Extractors for Pipe Taps



No. of Flutes - 4 Flute		
Size (in.)	Order No.	Price
1/8	EX5120124	Price
1/4	EX5120254	Price
3/8	EX5120374	Price
1/2	EX5120504	Price

No. of Flutes - 5 Flute		
Size (in.)	Order No.	Price
1/8	EX5120125	Price
1/4	EX5120255	Price
3/8	EX5120375	Price
1/2	EX5120505	Price
3/4	EX5120755	Price
1	EX5121005	Price

Tap Extractor Extra Fingers

No. of Flutes - 2 Flute			
Size	Metric Size	Order No.	Price
#4	3	EX6012042	Price
#5 (1/8)	3.2	EX6012052	Price
#6	3.5	EX6012062	Price
#8	4	EX6012082	Price
#10 (3/16)	5	EX6012102	Price
#12	5.5	EX6012122	Price
1/4	6	EX6012252	Price
5/16	7 & 8	EX6012312	Price
3/8	9 & 10	EX6012372	Price
7/16	11	EX6012432	Price
1/2	12	EX6012502	Price

No. of Flutes - 3 Flute			
Size	Metric Size	Order No.	Price
#4	3	EX6012043	Price
#5 (1/8)	3.2	EX6012053	Price
#6	3.5	EX6012063	Price
#8	4	EX6012083	Price
#10 (3/16)	5	EX6012103	Price
#12	5.5	EX6012123	Price
1/4	6	EX6012253	Price
5/16	7 & 8	EX6012313	Price
3/8	9 & 10	EX6012373	Price
7/16	11	EX6012433	Price
1/2	12	EX6012503	Price
9/16	14	EX6012563	Price
5/8	16	EX6012623	Price
3/4	18 & 20	EX6012753	Price
7/8	22	EX6012873	Price
1	25	EX6013003	Price

No. of Flutes - 4 Flute			
Size	Metric Size	Order No.	Price
#6	3.5	EX6012064	Price
#8	4	EX6012084	Price
#10 (3/16)	5	EX6012104	Price
#12	5.5	EX6012124	Price
1/4	6	EX6012254	Price
9/32	7	EX6012284	Price
5/16	7 & 8	EX6012314	Price
1132	-	EX6012344	Price
3/8	9 & 10	EX6012374	Price
13/32	10	EX6012404	Price
7/16	11	EX6012434	Price
1/2	12	EX6012504	Price
9/16	14	EX6012564	Price
5/8	16	EX6012624	Price
11/16	18	EX6012684	Price
3/4	18 & 20	EX6012754	Price
7/8	22	EX6012874	Price
1	25	EX6013004	Price
1-1/8	28	EX6013124	Price
1-1/4	32	EX6013254	Price
1-3/8	35	EX6013374	Price
1-1/2	38	EX6013504	Price

No. of Flutes - 6 Flute			
Size	Metric Size	Order No.	Price
1-1/8	28	EX6013126	Price
1-1/4	32	EX6013256	Price
1-3/8	35	EX6013376	Price
1-1/2	38	EX6013506	Price

Pipe Tap Extractor Extra Fingers

No .of Flutes - 4 Flute		
Size (in.)	Order No.	Price
1/8	EX6122124	Price
1/4	EX6122254	Price
3/8	EX6122374	Price
1/2	EX6122504	Price

No .of Flutes - 5 Flute		
Size (in.)	Order No.	Price
1/8	EX6122125	Price
1/4	EX6122255	Price
3/8	EX6122375	Price
1/2	EX6122505	Price
3/4	EX6122755	Price
1	EX6123005	Price

WALTON Tap Extractor for S.T.I. Taps

HeliCoil Type Extractors



No. of Flutes - 2 Flute		
Size	Order No.	Price
#4 STI	EX5030042	Price
#5 STI	EX5030052	Price
#6 STI	EX5030062	Price
#8 STI	EX5030082	Price
#10 STI	EX5030102	Price
#12 STI	EX5030122	Price
1/4 STI	EX5030252	Price

No. of Flutes - 3 Flute		
Size	Order No.	Price
#4 STI	EX5030043	Price
#5 STI	EX5030053	Price
#6 STI	EX5030063	Price
#8 STI	EX5030083	Price
#10 STI	EX5030103	Price
#12 STI	EX5030123	Price
1/4 STI	EX5030253	Price
5/16 STI	EX5030313	Price
3/8 STI	EX5030373	Price

No. of Flutes - 4 Flute		
Size	Order No.	Price
1/2 STI	EX5030504	Price
1/4 STI	EX5030254	Price
3/8 STI	EX5030374	Price
5/16 STI	EX5030314	Price
5/8 STI	EX5030624	Price
7/16 STI	EX5030434	Price
9/16 STI	EX5030564	Price

STI Tap Extractor Extra Fingers

No. of Flutes - 2 Flute		
Size	Order No.	Price
#4 STI	EX6032042	Price
#5 STI	EX6032052	Price
#6 STI	EX6032062	Price
#8 STI	EX6032082	Price
#10 STI	EX6032102	Price
#12 STI	EX6032122	Price
1/4 STI	EX6032252	Price

No. of Flutes - 3 Flute		
Size	Order No.	Price
#4 STI	EX6032043	Price
#5 STI	EX6032053	Price
#6 STI	EX6032063	Price
#8 STI	EX6032083	Price
#10 STI	EX6032103	Price
#12 STI	EX6032123	Price
1/4 STI	EX6032253	Price
3/8 STI	EX6032373	Price
5/16 STI	EX6032313	Price

No. of Flutes - 4 Flute		
Size	Order No.	Price
1/2 STI	EX6032504	Price
1/4 STI	EX6032254	Price
3/8 STI	EX6032374	Price
5/16 STI	EX6032314	Price
5/8 STI	EX6032624	Price
7/16 STI	EX6032434	Price
9/16 STI	EX6032564	Price

WALTON Tap Extractor Sets

Sets No's 1, 2, 3 packed in 6 compartment plastic case
Sets No's 11, 13, 15 packed in 15 compartment plastic case

Sizes Included (in.)	Order No.	Price
3/16, 1/4, 5/16, 3/8, 7/16, 1/2	**EX521**	Price
1/4, 5/16, 3/8, 7/16, 1/2, 5/8	**EX522**	Price
5/16, 3/8, 7/16, 1/2, 9/16, 5/8	**EX523**	Price
1/8†, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	**EX5211**	Price
4†, 5†, 6†, 8, 10, 12, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	**EX5213**	Price
4†, 5†, 6†, 8, 10, 12, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	**EX5215**	Price



† Items supplied in 3-flute style. All others 4-flute style

WALTON Tap Extensions

Style "A" for Hand Tapping Only

- For tapping places where it is difficult or impossible, because of limited space, to turn a tap wrench
- Each set contains two 5" long extensions which can be used singly or in combination



Tap Size (in.)	Square Shank Of Tap	Major OD of Extention	Square Socket Opening	Order No.	Price
#10	.152 sq.	.289	.154 sq	**EX5345010**	Price
1/4	.191 sq.	.354	.193 sq	**EX5345025**	Price
5/16	.238 sq.	.454	.242 sq	**EX5345031**	Price
3/8	.206 sq.	.404	.210 sq	**EX5345037**	Price
3/8	.286 sq.	.529	.290 sq	**EX5345038**	Price
7/16	.242 sq.	.454	.246 sq	**EX5345043**	Price
1/2	.275 sq.	.529	.279 sq	**EX5345050**	Price
5/8	.360 sq.	.704	.364 sq	**EX5345062**	Price

† The 3/8" (.286 sq) size is more frequently used than the 3/8" (.206 sq) size. Please specify which is required

WALTON Tap Extensions

Style "B" for Both Machine & Hand Tapping

- Provides easy access to those hard-to-reach tapping locations
- Tap, supported by close-fitting long socket of extension, is held firmly in position by two socket set screws which bear on the square of tap
- All extensions are 8" overall length





Size	A Body Dia. (in.)	B Nose Dia. (in.)	D Tap Shank Dia. (in.)	J Tap Square Dia. (in.)	E Square Size (in.)	C Shank Dia. (in.)	Order No.	Price
#0-#6	5/16	.250	.142	.112	.191	.255	**EX5440006**	Price
#8	3/8	.250	.169	.133	.191	.255	**EX5440008**	Price
#10	3/8	.312	.195	.154	.191	.255	**EX5440010**	Price
#12	7/16	.312	.220	.166	.164	.219	**EX5440012**	Price
1/4	7/16	.375	.256	.193	.191	.255	**EX5440025**	Price
5/16	1/2	.437	.319	.240	.237	.318	**EX5440031**	Price
3/8	5/8	.500	.382	.288	.285	.381	**EX5440037**	Price
7/16	5/8	.500	.324	.244	.241	.323	**EX5440043**	Price
1/2	5/8	.500	.368	.277	.274	.367	**EX5440050**	Price
9/16	11/16	.562	.430	.322	.320	.428	**EX5440056**	Price
5/8	3/4	.625	.481	.361	.359	.479	**EX5440062**	Price
3/4	7/8	.750	.591	.443	.441	.589	**EX5440075**	Price
7/8	1-1/16	.906	.698	.524	.522	.696	**EX5440087**	Price
1	1-1/16	1.00	.801	.601	.599	.799	**EX5440100**	Price

WHITNEY TOOL Tool Tap Extension Sets





	Set Range	No. of Pieces	Order No.	Price
5	#0 thru 1/2"	9	**EX6596119**	Price
9	#0 thru 1/2"	9	**EX6596120**	Price

WHITNEY TOOL Tap Extensions



- Internal square drive for positive tap drive
- Compression cap for easy tightening, no wrench required
- The slim profile lets you fit into places not accessible to conventional tap extensions



Extension Size - 5"							
Tap Size	A Tap Shank Dia. (in.)	B Body Dia. (in.)	C Shank Dia. (in.)	D Square Size (in.)	Depth of Tap (in.)	Order No.	Price
#0-#6	.141	1/4	.194	.152	7/8	**EX6596089**	Price
#8	.168	5/16	.194	.152	7/8	**EX6596090**	Price
#10	.194	3/8	.194	.152	1	**EX6596091**	Price
#12	.220	3/8	.194	.152	1	**EX6596092**	Price
1/4	.255	7/16	.255	.191	1	**EX6596093**	Price
5/16	.318	1/2	.318	.238	1-1/16	**EX6596094**	Price
3/8	.381	9/16	.381	.286	1-1/8	**EX6596095**	Price
7/16	.323	1/2	.323	.242	1-1/16	**EX6596096**	Price
1/2	.367	9/16	.367	.275	1-1/8	**EX6596097**	Price
1/16 & 1/8 RS NPT	.312	1/2	.312	.234	1	**EX6596098**	Price
M2 - M2.6	.110	1/4	.236	.193	7/8	**EX6596201**	Price
M3	.137	5/16	.236	.193	7/8	**EX6596202**	Price
M3.5	.157	3/8	.236	.193	7/8	**EX6596203**	Price
M4	.177	3/8	.236	.193	7/8	**EX6596204**	Price
M4.5 - M6	.236	7/16	.275	.216	1	**EX6596205**	Price
M7	.275	1/2	.275	.216	1	**EX6596206**	Price
M8	.315	1/2	.315	.244	1-1/8	**EX6596207**	Price
M9	.354	5/8	.354	.275	1-3/16	**EX6596208**	Price
M10	.393	5/8	.393	.315	1-1/4	**EX6596209**	Price
M12	.472	3/4	.472	.354	1-3/8	**EX6596211**	Price
M14	.433	3/4	.433	.354	1-3/8	**EX6596210**	Price

Extension Size - 6"							
Tap Size	A Tap Shank Dia. (in.)	B Body Dia. (in.)	C Shank Dia. (in.)	D Square Size (in.)	Depth of Tap (in.)	Order No.	Price
9/16	.429	3/4	.429	.320	1-1/4	**EX6596109**	Price
1/8 NPT	.437	3/4	.437	.328	1	**EX6596110**	Price
5/8	.480	3/4	.480	.360	1-1/4	**EX6596111**	Price
11/16	.542	7/8	.542	.406	1-1/4	**EX6596112**	Price
1/4 NPT	.562	7/8	.562	.420	1	**EX6596113**	Price
3/4	.590	7/8	.590	.440	1-3/8	**EX6596114**	Price
7/8	.697	1	.697	.520	1-3/8	**EX6596115**	Price
3/8 NPT	.700	1	.700	.530	1-3/16	**EX6596116**	Price
1/2 NPT	.687	1	.687	.515	1-1/4	**EX6596117**	Price
1	.800	1	.800	.600	1-1/2	**EX6596118**	Price

Extension Size - 9"							
Tap Size	A Tap Shank Dia. (in.)	B Body Dia. (in.)	C Shank Dia. (in.)	D Square Size (in.)	Depth of Tap (in.)	Order No.	Price
#0-#6	.141	1/4	.194	.152	7/8	**EX6596099**	Price
#8	.168	5/16	.194	.152	7/8	**EX6596100**	Price
#10	.194	3/8	.194	.152	1	**EX6596101**	Price
#12	.220	3/8	.194	.152	1	**EX6596102**	Price
1/4	.255	7/16	.255	.191	1	**EX6596103**	Price
5/16	.318	1/2	.318	.238	1-1/16	**EX6596104**	Price
3/8	.381	9/16	.381	.286	1-1/8	**EX6596105**	Price
7/16	.323	1/2	.323	.242	1-1/16	**EX6596106**	Price
1/2	.367	9/16	.367	.275	1-1/8	**EX6596107**	Price
1/16 & 1/8 RS NPT	.312	1/2	.312	.234	1	**EX6596108**	Price
M2 - M2.6	.110	1/4	.236	.193	7/8	**EX6596212**	Price
M3	.137	5/16	.236	.193	7/8	**EX6596213**	Price
M3.5	.157	3/8	.236	.193	7/8	**EX6596214**	Price
M4	.177	3/8	.236	.193	7/8	**EX6596215**	Price
M4.5 - M6	.236	7/16	.275	.216	1	**EX6596216**	Price
M7	.275	1/2	.275	.216	1	**EX6596217**	Price
M8	.315	1/2	.315	.244	1-1/8	**EX6596218**	Price
M9	.354	5/8	.354	.275	1-3/16	**EX6596219**	Price
M10	.393	5/8	.393	.315	1-1/4	**EX6596220**	Price
M12	.472	3/4	.472	.354	1-3/8	**EX6596222**	Price
M14	.433	3/4	.433	.354	1-3/8	**EX6596221**	Price

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