

METRIC TAPS

Straight Flute – Short Machine & Hand
High Speed Steel – Ground Thread

METRIC COARSE



%GROUP = TAPS

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
		Taper	Inter	Bottom				
1.6 x 0.35	72.51	A29EA3	A29EB3	A29EC3	217.53	A29ED3	ISO 2	3
2.0 x 0.4	31.25	A30EA3	A30EB3	A30EC3	93.75	A30ED3	ISO 2	3
2.2 x 0.45	26.31	A31EA3	A31EB3	A31EC3	78.93	A31ED3	ISO 2	3
2.3 x 0.4	39.71	A311EA3	A311EB3	A311EC3	119.13	A311ED3	ISO 2	3
2.5 x 0.45	26.31	A32EA3	A32EB3	A32EC3	78.93	A32ED3	ISO 2	3
2.6 x 0.45	39.71	A32XEA3	A32XEB3	A32XEC3	119.13	A32XED3	ISO 2	3
3.0 x 0.5	19.71	A33EA3	A33EB3	A33EC3	59.13	A33ED3	ISO 2	3
3.5 x 0.6	20.62	A34EA3	A34EB3	A34EC3	61.86	A34ED3	ISO 2	3
4.0 x 0.7	17.09	A35EA3	A35EB3	A35EC3	51.27	A35ED3	ISO 2	3
4.5 x 0.75	22.28	A36EA3	A36EB3	A36EC3	66.84	A36ED3	ISO 2	3
5.0 x 0.8	19.05	A37EA3	A37EB3	A37EC3	57.15	A37ED3	ISO 2	3
5.5 x 0.9	39.70	A337EA3	A337EB3	A337EC3	119.10	A337ED3	ISO 2	3
6.0 x 1.0	19.71	B38EA3	B38EB3	B38EC3	59.13	B38ED3	ISO 2	3
7.0 x 1.0	23.65	B39EA4	B39EB4	B39EC4	70.95	B39ED4	ISO 2	4
8.0 x 1.25	20.62	B40EA4	B40EB4	B40EC4	61.86	B40ED4	ISO 2	4
9.0 x 1.25	33.81	B41EA4	B41EB4	B41EC4	101.43	B41ED4	ISO 2	4
10 x 1.5	28.09	B42EA4	B42EB4	B42EC4	84.27	B42ED4	ISO 2	4
11 x 1.5	42.98	B43EA4	B43EB4	B43EC4	128.94	B43ED4	ISO 2	4
12 x 1.75	41.61	B44EA4	B44EB4	B44EC4	124.83	B44ED4	ISO 2	4
14 x 2.0	52.52	B45EA4	B45EB4	B45EC4	157.56	B45ED4	ISO 2	4
16 x 2.0	63.61	B46EA4	B46EB4	B46EC4	190.83	B46ED4	ISO 2	4
18 x 2.5	98.68	C47EA4	C47EB4	C47EC4	296.04	C47ED4	ISO 2	4
20 x 2.5	109.80	C48EA4	C48EB4	C48EC4	329.40	C48ED4	ISO 2	4
22 x 2.5	124.13	C49EA4	C49EB4	C49EC4	372.39	C49ED4	ISO 2	4
24 x 3.0	143.23	C50EA4	C50EB4	C50EC4	429.69	C50ED4	ISO 2	4
27 x 3.0	219.62	C51EA4	C51EB4	C51EC4	658.86	C51ED4	ISO 2	4
30 x 3.5	245.10	C52EA4	C52EB4	C52EC4	735.30	C52ED4	ISO 2	4
33 x 3.5	321.67	C53EA4	C53EB4	C53EC4	965.01	C53ED4	ISO 2	4
36 x 4.0	372.65	K54EA4	K54EB4	K54EC4	1117.95	K54ED4	ISO 2	4
39 x 4.0	407.54	K55EA6	K55EB6	K55EC6	1222.62	K55ED6	ISO 2	6
42 x 4.5	466.02	K56EA6	K56EB6	K56EC6	1398.06	K56ED6	ISO 2	6
45 x 4.5	615.93	K57EA6	K57EB6	K57EC6	1847.79	K57ED6	ISO 2	6
48 x 5.0	652.83	K58EA6	K58EB6	K58EC6	1958.49	K58ED6	ISO 2	6
52 x 5.0	805.61	K59EA6	K59EB6	K59EC6	2416.83	K59ED6	ISO 2	6
56 x 5.5	1170.10	K60EA6	K60EB6	K60EC6	3510.30	K60ED6	ISO 2	6

LEFT HAND METRIC COARSE

%GROUP = TAPS

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
		Taper	Inter	Bottom				
3.0 x 0.5	42.71	A33EA3L	A33EB3L	A33EC3L	128.13	A33ED3L	ISO 2	3
4.0 x 0.7	41.84	A35EA3L	A35EB3L	A35EC3L	125.52	A35ED3L	ISO 2	3
5.0 x 0.8	41.66	A37EA3L	A37EB3L	A37EC3L	124.98	A37ED3L	ISO 2	3
6.0 x 1.0	44.25	B38EA3L	B38EB3L	B38EC3L	132.75	B38ED3L	ISO 2	3
8.0 x 1.25	45.94	B40EA4L	B40EB4L	B40EC4L	137.82	B40ED4L	ISO 2	4
10 x 1.5	56.67	B42EA4L	B42EB4L	B42EC4L	170.01	B42ED4L	ISO 2	4
12 x 1.75	95.89	B44EA4L	B44EB4L	B44EC4L	287.67	B44ED4L	ISO 2	4
14 x 2.0	115.21	B45EA4L	B45EB4L	B45EC4L	345.63	B45ED4L	ISO 2	4
16 x 2.0	121.96	B46EA4L	B46EB4L	B46EC4L	365.88	B46ED4L	ISO 2	4
18 x 2.5	165.90	C47EA4L	C47EB4L	C47EC4L	497.70	C47ED4L	ISO 2	4
20 x 2.5	196.36	C48EA4L	C48EB4L	C48EC4L	589.08	C48ED4L	ISO 2	4
22 x 2.5	279.99	C49EA4L	C49EB4L	C49EC4L	839.97	C49ED4L	ISO 2	4
24 x 3.0	284.22	C50EA4L	C50EB4L	C50EC4L	852.66	C50ED4L	ISO 2	4

All prices exclude GST

METRIC TAPS

Straight Flute – Short Machine & Hand
High Speed Steel – Ground Thread



%GROUP = TAPS

METRIC FINE

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
		Taper	Inter	Bottom				
2.0 x 0.45	45.18	A301EA3	A301EB3	A301EC3	135.54	A301ED3	ISO 2	3
3.0 x 0.35	36.01	A33XEA3	A33XEB3	A33XEC3	108.03	A33XED3	ISO 2	3
3.0 x 0.60	39.72	A333EA3	A333EB3	A333EC3	119.16	A333ED3	ISO 2	3
3.5 x 0.35	39.72	A34XEA3	A34XEB3	A34XEC3	119.16	A34XED3	ISO 2	3
3.5 x 0.50	39.72	A334XEA3	A334XEB3	A334XEC3	119.16	A334XED3	ISO 2	3
4.0 x 0.5	34.61	A35XEA3	A35XEB3	A35XEC3	103.83	A35XED3	ISO 2	3
4.0 x 0.75	39.71	A335XEA3	A335XEB3	A335XEC3	119.13	A335XED3	ISO 2	3
4.5 x 0.5	34.79	A36XEA3	A36XEB3	A36XEC3	104.37	A36XED3	ISO 2	3
5.0 x 0.5	30.56	A37XEA3	A37XEB3	A37XEC3	91.68	A37XED3	ISO 2	3
5.0 x 0.75	39.71	A3337XEA3	A3337XEB3	A3337XEC3	119.13	A3337XED3	ISO 2	3
5.0 x 0.9	39.71	A337XEA3	A337XEB3	A337XEC3	119.13	A337XED3	ISO 2	3
6.0 x 0.50	51.79	B3338XEA3	B3338XEB3	B3338XEC3	155.37	B3338XED3	ISO 2	3
6.0 x 0.75	31.50	B38XEA3	B38XEB3	B38XEC3	94.50	B38XED3	ISO 2	3
6.0 x 1.25	47.05	B338XEA3	B338XEB3	B338XEC3	141.15	B338XED3	ISO 2	3
7.0 x 0.50	74.21	B3339XEA4	B3339XEB4	B3339XEC4	222.63	B3339XED4	ISO 2	4
7.0 x 0.75	33.61	B39XEA4	B39XEB4	B39XEC4	100.83	B39XED4	ISO 2	4
7.0 x 1.25	50.09	B339XEA4	B339XEB4	B339XEC4	150.27	B339XED4	ISO 2	4
8.0 x 0.50	92.99	B4044XEA4	B4044XEB4	B4044XEC4	278.97	B4044XED4	ISO 2	4
8.0 x 0.75	42.56	B440XEA4	B440XEB4	B440XEC4	127.68	B440XED4	ISO 2	4
8.0 x 1.0	38.24	B40XEA4	B40XEB4	B40XEC4	114.72	B40XED4	ISO 2	4
8.0 x 1.5	50.09	B404XEA4	B404XEB4	B404XEC4	150.27	B404XED4	ISO 2	4
9.0 x 0.75	65.09	B4144XEA4	B4144XEB4	B4144XEC4	195.27	B4144XED4	ISO 2	4
9.0 x 1.0	50.23	B441XEA4	B441XEB4	B441XEC4	150.69	B441XED4	ISO 2	4
9.0 x 1.5	51.57	B414XEA4	B414XEB4	B414XEC4	154.71	B414XED4	ISO 2	4
10 x 0.50	75.61	B4244XEA4	B4244XEB4	B4244XEC4	226.83	B4244XED4	ISO 2	4
10 x 0.75	59.26	B442XEA4	B442XEB4	B442XEC4	177.78	B442XED4	ISO 2	4
10 x 1.0	52.59	B41XEA4	B41XEB4	B41XEC4	157.77	B41XED4	ISO 2	4
10 x 1.25	52.52	B42XEA4	B42XEB4	B42XEC4	157.56	B42XED4	ISO 2	4
11 x 0.75	129.12	B4344XEA4	B4344XEB4	B4344XEC4	387.36	B4344XED4	ISO 2	4
11 x 1.0	129.12	B433XEA4	B433XEB4	B433XEC4	387.36	B433XED4	ISO 2	4
11 x 1.25	129.12	B434XEA4	B434XEB4	B434XEC4	387.36	B434XED4	ISO 2	4
12 x 0.50	93.13	B44444XEA4	B44444XEB4	B44444XEC4	279.39	B44444XED4	ISO 2	4
12 x 0.75	93.13	B4444XEA4	B4444XEB4	B4444XEC4	279.39	B4444XED4	ISO 2	4
12 x 1.0	69.12	B444XEA4	B444XEB4	B444XEC4	207.36	B444XED4	ISO 2	4
12 x 1.25	60.40	B43XEA4	B43XEB4	B43XEC4	181.20	B43XED4	ISO 2	4
12 x 1.5	60.40	B443XEA4	B443XEB4	B443XEC4	181.20	B443XED4	ISO 2	4
14 x 1.0	84.46	B445XEA4	B445XEB4	B445XEC4	253.38	B445XED4	ISO 2	4
14 x 1.25	89.14	B44XEA4	B44XEB4	B44XEC4	267.42	B44XED4	ISO 2	4
14 x 1.5	89.14	B45XEA4	B45XEB4	B45XEC4	267.42	B45XED4	ISO 2	4
15 x 1.0	125.37	B46555XEA4	B46555XEB4	B46555XEC4	376.11	B46555XED4	ISO 2	4
15 x 1.25	125.37	B465XEA4	B465XEB4	B465XEC4	376.11	B465XED4	ISO 2	4
15 x 1.5	125.37	B4655XEA4	B4655XEB4	B4655XEC4	376.11	B4655XED4	ISO 2	4
16 x 1.0	84.01	B446XEA4	B446XEB4	B446XEC4	252.03	B446XED4	ISO 2	4
16 x 1.25	84.53	B4446XEA4	B4446XEB4	B4446XEC4	253.59	B4446XED4	ISO 2	4
16 x 1.5	89.14	B46XEA4	B46XEB4	B46XEC4	267.42	B46XED4	ISO 2	4
16 x 1.75	120.24	B44446XEA4	B44446XEB4	B44446XEC4	360.72	B44446XED4	ISO 2	4
18 x 1.0	131.50	C447XEA4	C447XEB4	C447XEC4	394.50	C447XED4	ISO 2	4
18 x 1.25	99.10	C44447XEA4	C44447XEB4	C44447XEC4	297.30	C44447XED4	ISO 2	4
18 x 1.5	114.64	C47XEA4	C47XEB4	C47XEC4	343.92	C47XED4	ISO 2	4
18 x 2.0	124.48	C4447XEA4	C4447XEB4	C4447XEC4	373.44	C4447XED4	ISO 2	4
20 x 1.0	174.90	C4448XEA4	C4448XEB4	C4448XEC4	524.70	C4448XED4	ISO 2	4
20 x 1.25	138.54	C44448XEA4	C44448XEB4	C44448XEC4	415.62	C44448XED4	ISO 2	4
20 x 1.5	143.37	C48XEA4	C48XEB4	C48XEC4	430.11	C48XED4	ISO 2	4
20 x 2.0	129.19	C448XEA4	C448XEB4	C448XEC4	387.57	C448XED4	ISO 2	4
22 x 1.0	250.21	C44449XEA4	C44449XEB4	C44449XEC4	750.63	C44449XED4	ISO 2	4
22 x 1.25	250.21	C4449XEA4	C4449XEB4	C4449XEC4	750.63	C4449XED4	ISO 2	4

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METRIC TAPS

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High Speed Steel – Ground Thread



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METRIC FINE

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
		Taper	Inter	Bottom				
22 x 1.5	171.81	C49XEA4	C49XEB4	C49XEC4	515.43	C49XED4	ISO 2	4
22 x 2.0	129.33	C449XEA4	C449XEB4	C449XEC4	387.99	C449XED4	ISO 2	4
24 x 1.0	228.68	C55550XEA4	C55550XEB4	C55550XEC4	686.04	C55550XED4	ISO 2	4
24 x 1.25	254.47	C5550XEA4	C5550XEB4	C5550XEC4	763.41	C5550XED4	ISO 2	4
24 x 1.5	144.71	C550XEA4	C550XEB4	C550XEC4	434.13	C550XED4	ISO 2	4
24 x 2.0	210.23	C50XEA4	C50XEB4	C50XEC4	630.69	C50XED4	ISO 2	4
25 x 1.0	272.38	C5551XEA4	C5551XEB4	C5551XEC4	817.14	C5551XED4	ISO 2	4
25 x 1.5	144.47	C51XEA4	C51XEB4	C51XEC4	433.41	C51XED4	ISO 2	4
25 x 2.0	272.38	C55551XEA4	C55551XEB4	C55551XEC4	817.14	C55551XED4	ISO 2	4
26 x 1.5	335.72	C5551EA4	C5551EB4	C5551EC4	1007.16	C5551ED4	ISO 2	4
27 x 1.5	289.67	C5552XEA4	C5552XEB4	C5552XEC4	869.01	C5552XED4	ISO 2	4
27 x 2.0	181.51	C52XEA4	C52XEB4	C52XEC4	544.53	C52XED4	ISO 2	4
28 x 1.5	314.21	C5553XEA4	C5553XEB4	C5553XEC4	942.63	C5553XED4	ISO 2	4
30 x 1.5	277.28	C53XEA6	C53XEB6	C53XEC6	831.84	C53XED6	ISO 2	6
30 x 2.0	204.45	C55XEA6	C55XEB6	C55XEC6	613.35	C55XED6	ISO 2	6
30 x 3.0	322.38	C555XEA4	C555XEB4	C555XEC4	967.14	C555XED4	ISO 2	4
32 x 1.5	205.11	C54XEA6	C54XEB6	C54XEC6	615.33	C54XED6	ISO 2	6
33 x 1.5	371.86	C533XEA6	C533XEB6	C533XEC6	1115.58	C533XED6	ISO 2	6
33 x 2.0	349.87	C53333XEA6	C53333XEB6	C53333XEC6	1049.61	C53333XED6	ISO 2	6
33 x 3.0	373.21	C535XEA6	C535XEB6	C535XEC6	1119.63	C535XED6	ISO 2	6
36 x 1.5	461.75	K5444XEA6	K5444XEB6	K5444XEC6	1385.25	K5444XED6	ISO 2	6
36 x 2.0	519.91	K544XEA6	K544XEB6	K544XEC6	1559.73	K544XED6	ISO 2	6
36 x 3.0	519.91	K54XEA6	K54XEB6	K54XEC6	1559.73	K54XED6	ISO 2	6
39 x 1.5	494.72	K554XEA6	K554XEB6	K554XEC6	1484.16	K554XED6	ISO 2	6
39 x 2.0	494.72	K55XEA6	K55XEB6	K55XEC6	1484.16	K55XED6	ISO 2	6
39 x 3.0	494.72	K555XEA6	K555XEB6	K555XEC6	1484.16	K555XED6	ISO 2	6
40 x 1.5	357.83	K565XEA6	K565XEB6	K565XEC6	1073.49	K565XED6	ISO 2	6
42 x 1.5	530.83	K5666XEA6	K5666XEB6	K5666XEC6	1592.49	K5666XED6	ISO 2	6
42 x 3.0	530.83	K566XEA6	K566XEB6	K566XEC6	1592.49	K566XED6	ISO 2	6
45 x 1.5	554.88	K577XEA6	K577XEB6	K577XEC6	1664.64	K577XED6	ISO 2	6
45 x 3.0	554.88	K557XEA6	K557XEB6	K557XEC6	1664.64	K557XED6	ISO 2	6
48 x 1.5	610.62	K5888XEA6	K5888XEB6	K5888XEC6	1831.86	K5888XED6	ISO 2	6
50 x 1.5	626.55	K50X1.5T	K50X1.5I	K50X1.5B	1879.65	K50X1.5S	ISO 2	6

LEFT HAND METRIC FINE



%GROUP = TAPS

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
		Taper	Inter	Bottom				
8.0 x 1.0	66.72	B40XEA4L	B40XEB4L	B40XEC4L	200.16	B40XED4L	ISO 2	4
10 X 1.0	68.84	B41XEA4L	B41XEB4L	B41XEC4L	206.52	B41XED4L	ISO 2	4
10 X 1.25	67.95	B42XEA4L	B42XEB4L	B42XEC4L	203.85	B42XED4L	ISO 2	4
12 X 1.0	87.44	B444XEA4L	B444XEB4L	B444XEC4L	262.32	B444XED4L	ISO 2	4
12 X 1.25	87.44	B43XEA4L	B43XEB4L	B43XEC4L	262.32	B43XED4L	ISO 2	4
12 X 1.5	87.44	B443XEA4L	B443XEB4L	B443XEC4L	262.32	B443XED4L	ISO 2	4
14 X 1.5	104.92	B45XEA4L	B45XEB4L	B45XEC4L	314.76	B45XED4L	ISO 2	4
16 X 1.5	113.99	B46XEA4L	B46XEB4L	B46XEC4L	341.97	B46XED4L	ISO 2	4
18 X 1.5	167.58	C47XEA4L	C47XEB4L	C47XEC4L	502.74	C47XED4L	ISO 2	4
20 X 1.5	172.39	C48XEA4L	C48XEB4L	C48XEC4L	517.17	C48XED4L	ISO 2	4
22 X 1.5	212.22	C49XEA4L	C49XEB4L	C49XEC4L	636.66	C49XED4L	ISO 2	4
24 X 1.5	240.05	C550XEA4L	C550XEB4L	C550XEC4L	720.15	C550XED4L	ISO 2	4

All prices exclude GST



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RIGHT HAND

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
1/16	60	92.46	A05AA3	A05AB3	A05AC3	277.38	A05AD3	CL 2	3
3/32	48	71.35	AK06AA3	AK06AB3	AK06AC3	214.05	AK06AD3	CL 2	3
1/8	40	31.90	A07AA3	A07AB3	A07AC3	95.70	A07AD3	CL 2	3
5/32	32	31.90	AK08AA3	AK08AB3	AK08AC3	95.70	AK08AD3	CL 2	3
3/16	24	20.13	A09AA3	A09AB3	A09AC3	60.39	A09AD3	CL 2	3
7/32	24	24.99	AK10AA3	AK10AB3	AK10AC3	74.97	AK10AD3	CL 2	3
1/4	20	20.42	B11AA3	B11AB3	B11AC3	61.26	B11AD3	CL 2	3
5/16	18	21.37	B12AA4	B12AB4	B12AC4	64.11	B12AD4	CL 2	4
3/8	16	29.23	B13AA4	B13AB4	B13AC4	87.69	B13AD4	CL 2	4
7/16	14	38.91	B14AA4	B14AB4	B14AC4	116.73	B14AD4	CL 2	4
1/2	12	43.60	B15AA4	B15AB4	B15AC4	130.80	B15AD4	CL 2	4
9/16	12	41.30	B16AA4	B16AB4	B16AC4	123.90	B16AD4	CL 2	4
5/8	11	66.54	B17AA4	B17AB4	B17AC4	199.62	B17AD4	CL 2	4
3/4	10	86.56	C18AA4	C18AB4	C18AC4	259.68	C18AD4	CL 2	4
7/8	9	129.82	C19AA4	C19AB4	C19AC4	389.46	C19AD4	CL 2	4
1"	8	156.55	C20AA4	C20AB4	C20AC4	469.65	C20AD4	CL 2	4
1.1/8	7	256.37	C21AA4	C21AB4	C21AC4	769.11	C21AD4	CL 2	4
1.1/4	7	283.76	C22AA4	C22AB4	C22AC4	851.28	C22AD4	CL 2	4
1.3/8	6	339.38	C122AA4	C122AB4	C122AC4	1018.14	C122AD4	CL 2	4
1.1/2	6	424.21	C23AA4	C23AB4	C23AC4	1272.63	C23AD4	CL 2	4
1.3/4	5	599.76	K24AA6	K24AB6	K24AC6	1799.28	K24AD6	CL 2	6
2"	4.5	813.18	K25AA6	K25AB6	K25AC6	2439.54	K25AD6	CL 2	6



%GROUP = TAPS

LEFT HAND

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
1/8	40	72.11	A07AA3L	A07AB3L	A07AC3L	216.33	A07AD3L	CL 2	3
5/32	32	72.11	AK08AA3L	AK08AB3L	AK08AC3L	216.33	AK08AD3L	CL 2	3
3/16	24	68.46	A09AA3L	A09AB3L	A09AC3L	205.38	A09AD3L	CL 2	3
1/4	20	54.49	B11AA3L	B11AB3L	B11AC3L	163.47	B11AD3L	CL 2	3
5/16	18	61.83	B12AA4L	B12AB4L	B12AC4L	185.49	B12AD4L	CL 2	4
3/8	16	61.83	B13AA4L	B13AB4L	B13AC4L	185.49	B13AD4L	CL 2	4
7/16	14	71.11	B14AA4L	B14AB4L	B14AC4L	213.33	B14AD4L	CL 2	4
1/2	12	107.83	B15AA4L	B15AB4L	B15AC4L	323.49	B15AD4L	CL 2	4
9/16	12	167.82	B16AA4L	B16AB4L	B16AC4L	503.46	B16AD4L	CL 2	4
5/8	11	157.76	B17AA4L	B17AB4L	B17AC4L	473.28	B17AD4L	CL 2	4
3/4	10	184.29	C18AA4L	C18AB4L	C18AC4L	552.87	C18AD4L	CL 2	4
7/8	9	241.93	C19AA4L	C19AB4L	C19AC4L	725.79	C19AD4L	CL 2	4
1"	8	314.28	C20AA4L	C20AB4L	C20AC4L	942.84	C20AD4L	CL 2	4



BSF & PG TAPS

Straight Flute – Short Machine and Hand
High Speed Steel – Ground Thread



%GROUP = TAPS

BSF RIGHT HAND

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
3/16	32	22.02	A09BA3	A09BB3	A09BC3	66.06	A09BD3	CL 2	3
7/32	28	35.27	AK10BA3	AK10BB3	AK10BC3	105.81	AK10BD3	CL 2	3
1/4	26	25.27	B11BA3	B11BB3	B11BC3	75.81	B11BD3	CL 2	3
5/16	22	27.40	B12BA4	B12BB4	B12BC4	82.20	B12BD4	CL 2	4
3/8	20	38.38	B13BA4	B13BB4	B13BC4	115.14	B13BD4	CL 2	4
7/16	18	45.91	B14BA4	B14BB4	B14BC4	137.73	B14BD4	CL 2	4
1/2	16	56.63	B15BA4	B15BB4	B15BC4	169.89	B15BD4	CL 2	4
9/16	16	73.29	B16BA4	B16BB4	B16BC4	219.87	B16BD4	CL 2	4
5/8	14	73.29	B17BA4	B17BB4	B17BC4	219.87	B17BD4	CL 2	4
3/4	12	113.18	C18BA4	C18BB4	C18BC4	339.54	C18BD4	CL 2	4
7/8	11	153.04	C19BA4	C19BB4	C19BC4	459.12	C19BD4	CL 2	4
1"	10	200.01	C20BA4	C20BB4	C20BC4	600.03	C20BD4	CL 2	4
1.1/8	9	280.70	C21BA4	C21BB4	C21BC4	842.10	C21BD4	CL 2	4
1.1/4	9	322.38	C22BA4	C22BB4	C22BC4	967.14	C22BD4	CL 2	4
1.3/8	8	406.30	C122BA4	C122BB4	C122BC4	1218.90	C122BD4	CL 2	4
1.1/2	8	509.26	C23BA4	C23BB4	C23BC4	1527.78	C23BD4	CL 2	4
1.3/4	7	716.18	K24BA6	K24BB6	K24BC6	2148.54	K24BD6	CL 2	6
2"	7	1045.85	K25BA6	K25BB6	K25BC6	3137.55	K25BD6	CL 2	6



%GROUP = TAPS

BSF LEFT HAND

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
1/4	26	71.34	B11BA3L	B11BB3L	B11BC3L	214.02	B11BD3L	CL 2	3
5/16	22	76.27	B12BA4L	B12BB4L	B12BC4L	228.81	B12BD4L	CL 2	4
3/8	20	97.06	B13BA4L	B13BB4L	B13BC4L	291.18	B13BD4L	CL 2	4
7/16	18	101.46	B14BA4L	B14BB4L	B14BC4L	304.38	B14BD4L	CL 2	4
1/2	16	152.68	B15BA4L	B15BB4L	B15BC4L	458.04	B15BD4L	CL 2	4
5/8	14	173.95	B17BA4L	B17BB4L	B17BC4L	521.85	B17BD4L	CL 2	4
3/4	12	241.90	C18BA4L	C18BB4L	C18BC4L	725.70	C18BD4L	CL 2	4
7/8	11	330.65	C19BA4L	C19BB4L	C19BC4L	991.95	C19BD4L	CL 2	4
1"	10	333.18	C20BA4L	C20BB4L	C20BC4L	999.54	C20BD4L	CL 2	4

PG TAPS

Size	Price	CODE NUMBER		
		Taper	Inter	Bottom
PG7	***	PG7T	PG7I	PG7B
PG9	***	PG9T	PG9I	PG9B
PG11	***	PG11T	PG11I	PG11B
PG13.5	***	PG13.5T	PG13.5I	PG13.5B
PG16	***	PG16T	PG16I	PG16B
PG21	***	PG21T	PG21I	PG21B

*** STOCKED SPECIALS - Price on application

All prices exclude GST



%GROUP = TAPS

RIGHT HAND

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
N0. 1	64	66.79	AK02CA3	AK02CB3	AK02CC3	200.37	AK02CD3	2B	3
N0. 2	56	50.59	AK03CA3	AK03CB3	AK03CC3	151.77	AK03CD3	2B	3
N0. 3	48	47.48	AK04CA3	AK04CB3	AK04CC3	142.44	AK04CD3	2B	3
N0. 4	40	33.48	A05CA3	A05CB3	A05CC3	100.44	A05CD3	2B	3
N0. 5	40	33.48	A06CA3	A06CB3	A06CC3	100.44	A06CD3	2B	3
N0. 6	32	21.87	A07CA3	A07CB3	A07CC3	65.61	A07CD3	2B	3
N0. 8	32	22.28	A08CA3	A08CB3	A08CC3	66.84	A08CD3	2B	3
N0. 10	24	20.41	A09CA3	A09CB3	A09CC3	61.23	A09CD3	2B	3
3/16 UNS	24	20.61	B09CA3	B09CB3	B09CC3	61.83	B09CD3	2B	3
N0. 12	24	24.55	A10CA3	A10CB3	A10CC3	73.65	A10CD3	2B	3
1/4	20	19.48	B11CA3	B11CB3	B11CC3	58.44	B11CD3	2B	3
5/16	18	20.41	B12CA4	B12CB4	B12CC4	61.23	B12CD4	2B	4
3/8	16	28.08	B13CA4	B13CB4	B13CC4	84.24	B13CD4	2B	4
7/16	14	37.29	B14CA4	B14CB4	B14CC4	111.87	B14CD4	2B	4
1/2	13	41.77	B15CA4	B15CB4	B15CC4	125.31	B15CD4	2B	4
9/16	12	60.39	B16CA4	B16CB4	B16CC4	181.17	B16CD4	2B	4
5/8	11	63.61	B17CA4	B17CB4	B17CC4	190.83	B17CD4	2B	4
3/4	10	82.82	C18CA4	C18CB4	C18CC4	248.46	C18CD4	2B	4
7/8	9	124.11	C19CA4	C19CB4	C19CC4	372.33	C20CD4	2B	4
1"	8	149.81	C20CA4	C20CB4	C20CC4	449.43	C20CD4	2B	4
1.1/8	7	245.09	C21CA4	C21CB4	C21CC4	735.27	C21CD4	2B	4
1.1/4	7	273.82	C22CA4	C22CB4	C22CC4	821.46	C22CD4	2B	4
1.3/8	6	366.32	C122CA4	C122CB4	C122CC4	1098.96	C122CD4	2B	4
1.1/2	6	408.05	C23CA4	C23CB4	C23CC4	1224.15	C23CD4	2B	4
1.3/4	5	562.05	K24CA6	K24CB6	K24CC6	1686.15	K24CD6	2B	6
2"	4.5	779.93	K25CA6	K25CB6	K25CC6	2339.79	K25CD6	2B	6



%GROUP = TAPS

LEFT HAND

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
1/4	20	60.99	B11CA3L	B11CB3L	B11CC3L	182.97	B11CD3L	2B	3
5/16	18	70.76	B12CA4L	B12CB4L	B12CC4L	212.28	B12CD4L	2B	4
3/8	16	84.11	B13CA4L	B13CB4L	B13CC4L	252.33	B13CD4L	2B	4
7/16	14	118.51	B14CA4L	B14CB4L	B14CC4L	355.53	B14CD4L	2B	4
1/2	13	152.83	B15CA4L	B15CB4L	B15CC4L	458.49	B15CD4L	2B	4
9/16	12	152.83	B16CA4L	B16CB4L	B16CC4L	458.49	B16CD4L	2B	4
5/8	11	177.24	B17CA4L	B17CB4L	B17CC4L	531.72	B17CD4L	2B	4
3/4	10	241.95	C18CA4L	C18CB4L	C18CC4L	725.85	C18CD4L	2B	4
7/8	9	329.16	C19CA4L	C19CB4L	C19CC4L	987.48	C19CD4L	2B	4
1"	8	329.16	C20CA4L	C20CB4L	C20CC4L	987.48	C20CD4L	2B	4



UNF TAPS

Straight Flute – Short Machine & Hand
High Speed Steel – Ground Thread



%GROUP = TAPS

RIGHT HAND

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
N0. 0	80	66.79	A01DA3	A01DB3	A01DC3	200.37	A01DD3	2B	3
N0. 1	72	66.79	A02DA3	A02DB3	A02DC3	200.37	A02DD3	2B	3
N0. 2	64	50.56	A03DA3	A03DB3	A03DC3	151.68	A03DD3	2B	3
N0. 3	56	47.78	A04DA3	A04DB3	A04DC3	143.34	A04DD3	2B	3
N0. 4	48	33.48	A05DA3	A05DB3	A05DC3	100.44	A05DD3	2B	3
N0. 5	44	33.48	A06DA3	A06DB3	A06DC3	100.44	A06DD3	2B	3
N0. 6	40	33.48	A07DA3	A07DB3	A07DC3	100.44	A07DD3	2B	3
N0. 8	36	22.95	A08DA3	A08DB3	A08DC3	68.85	A08DD3	2B	3
N0. 10	32	20.01	A09DA3	A09DB3	A09DC3	60.03	A09DD3	2B	3
3/16 UNS	32	24.80	B09DA3	B09DB3	B09DC3	74.40	B09DD3	2B	3
N0. 12	28	24.85	A10DA3	A10DB3	A10DC3	74.55	A10DD3	2B	3
1/4	28	19.04	B11DA3	B11DB3	B11DC3	57.12	B11DD3	2B	3
5/16	24	20.12	B12DA4	B12DB4	B12DC4	60.36	B12DD4	2B	4
3/8	24	27.63	B13DA4	B13DB4	B13DC4	82.89	B13DD4	2B	4
7/16	20	37.29	B14DA4	B14DB4	B14DC4	111.87	B14DD4	2B	4
1/2	20	42.03	B15DA4	B15DB4	B15DC4	126.09	B15DD4	2B	4
9/16	18	60.39	B16DA4	B16DB4	B16DC4	181.17	B16DD4	2B	4
5/8	18	62.01	B17DA4	B17DB4	B17DC4	186.03	B17DD4	2B	4
11/16	16	145.56	B117XDA4	B117XDB4	B117XDC4	436.68	B117XDD4	2B	4
11/16	18	145.56	B17XXDA4	B17XXDB4	B17XXDC4	436.68	B17XXDD4	2B	4
3/4	16	82.68	C18DA4	C18DB4	C18DC4	248.04	C18DD4	2B	4
7/8	14	124.11	C19DA4	C19DB4	C19DC4	372.33	C19DD4	2B	4
1"	12	149.52	C20DA4	C20DB4	C20DC4	448.56	C20DD4	2B	4
1 UNS	14	201.43	C220DA4	C220DB4	C220DC4	604.29	C220DD4	2B	4
1.1/16	12	190.88	C21XDA4	C21XDB4	C21XDC4	572.64	C21XDD4	2B	4
1.1/8	12	233.43	C21DA4	C21DB4	C21DC4	700.29	C21DD4	2B	4
1.1/4	12	273.82	C22DA4	C22DB4	C22DC4	821.46	C22DD4	2B	4
1.5/16	12	285.16	C22XDA4	C22XDB4	C22XDC4	855.48	C22XDD4	2B	4
1.3/8	12	366.32	C122DA4	C122DB4	C122DC4	1098.96	C122DD4	2B	4
1.1/2	12	407.56	C23DA4	C23DB4	C23DC4	1222.68	C23DD4	2B	4
1.5/8	12	522.97	K123DA6	K123DB6	K123DC6	1568.91	K123DD6	2B	6
1.3/4	12	620.64	K24DA6	K24DB6	K24DC6	1861.92	K24DD6	2B	6
1.7/8	12	626.29	K124DA6	K124DB6	K124DC6	1878.87	K124DD6	2B	6
2"	12	645.48	K25DA6	K25DB6	K25DC6	1936.44	K25DD6	2B	6



%GROUP = TAPS

LEFT HAND

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
N0. 10	32	44.20	A09DA3L	A09DB3L	A09DC3L	132.60	A09DD3L	2B	3
1/4	28	65.03	B11DA3L	B11DB3L	B11DC3L	195.09	B11DD3L	2B	3
5/16	24	70.76	B12DA4L	B12DB4L	B12DC4L	212.28	B12DD4L	2B	4
3/8	24	83.51	B13DA4L	B13DB4L	B13DC4L	250.53	B13DD4L	2B	4
7/16	20	118.63	B14DA4L	B14DB4L	B14DC4L	355.89	B14DD4L	2B	4
1/2	20	150.15	B15DA4L	B15DB4L	B15DC4L	450.45	B15DD4L	2B	4
9/16	18	137.18	B16DA4L	B16DB4L	B16DC4L	411.54	B16DD4L	2B	4
5/8	18	159.52	B17DA4L	B17DB4L	B17DC4L	478.56	B17DD4L	2B	4
11/16	18	162.11	B17XXDA4L	B17XXDB4L	B17XXDC4L	486.33	B17XXDD4L	2B	4
3/4	16	267.99	C18DA4L	C18DB4L	C18DC4L	803.97	C18DD4L	2B	4
7/8	14	335.55	C19DA4L	C19DB4L	C19DC4L	1006.65	C19DD4L	2B	4
1"	12	394.26	C20DA4L	C20DB4L	C20DC4L	1182.78	C20DD4L	2B	4

All prices exclude GST

UNEF TAPS

Straight Flute – Short Machine & Hand
High Speed Steel – Ground Thread



%GROUP = TAPS

UNEF TAPS

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
N0.12	32	65.80	B10XDA3	B10XDB3	B10XDC3	197.40	B10XDD3	2B	3
1/4	32	57.96	B11XDA3	B11XDB3	B11XDC3	173.88	B11XDD3	2B	3
5/16	32	62.99	B12XDA4	B12XDB4	B12XDC4	188.97	B12XDD4	2B	4
3/8	32	63.01	B13XDA4	B13XDB4	B13XDC4	189.03	B13XDD4	2B	4
7/16	28	73.83	B14XDA4	B14XDB4	B14XDC4	221.49	B14XDD4	2B	4
1/2	28	73.83	B15XDA4	B15XDB4	B15XDC4	221.49	B15XDD4	2B	4
9/16	24	90.85	B16XDA4	B16XDB4	B16XDC4	272.55	B16XDD4	2B	4
5/8	24	87.93	B17XDA4	B17XDB4	B17XDC4	263.79	B17XDD4	2B	4
3/4	20	102.62	C18XDA4	C18XDB4	C18XDC4	307.86	B18XDD4	2B	4
7/8	20	150.27	C19XDA4	C19XDB4	C19XDC4	450.81	B19XDD4	2B	4
1"	20	150.27	C20XDA4	C20XDB4	C20XDC4	450.81	B20XDD4	2B	4

8 UN TAPS

Straight Flute – Short Machine & Hand
High Speed Steel – Ground Thread



%GROUP = TAPS

8 UN TAPS

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
1.1/8	8	207.29	C821CA4	C821CB4	C821CC4	621.87	C821CD4	2B	4
1.1/4	8	230.11	C822CA4	C822CB4	C822CC4	690.33	C822CD4	2B	4
1.3/8	8	273.93	C8122CA4	C8122CB4	C8122CC4	821.79	C8122CD4	2B	4
1.1/2	8	313.31	C823CA4	C823CB4	C823CC4	939.93	C823CD4	2B	4
1.5/8	8	372.26	K8123CA6	K8123CB6	K8123CC6	1116.78	K8123CD6	2B	6
1.3/4	8	436.04	K824CA6	K824CB6	K824CC6	1308.12	K824CD6	2B	6
1.7/8	8	526.40	K8124CA6	K8124CB6	K8124CC6	1579.20	K8124CD6	2B	6
2"	8	615.37	K825CA6	K825CB6	K825CC6	1846.11	K825CD6	2B	6
2.1/4	8	767.44	K826CA6	K826CB6	K826CC6	2302.32	K826CD6	2B	6
2.1/2	8	898.26	K827CA6	K827CB6	K827CC6	2694.78	K827CD6	2B	6



All prices exclude GST

BA TAPS

Straight Flute – Short Machine & Hand
High Speed Steel – Ground Thread



%GROUP = TAPS

RIGHT HAND BA

Size	Pitch	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
N0.0	1.00	24.05	A65FA3	A65FB3	A65FC3	72.15	A65FD3	CL 2	3
N0.1	0.90	25.21	A66FA3	A66FB3	A66FC3	75.63	A66FD3	CL 2	3
N0.2	0.81	22.35	A67FA3	A67FB3	A67FC3	67.05	A67FD3	CL 2	3
N0.3	0.73	24.93	A68FA3	A68FB3	A68FC3	74.79	A68FD3	CL 2	3
N0.4	0.66	22.35	A69FA3	A69FB3	A69FC3	67.05	A69FD3	CL 2	3
N0.5	0.59	23.24	A70FA3	A70FB3	A70FC3	69.72	A70FD3	CL 2	3
N0.6	0.53	25.21	A71FA3	A71FB3	A71FC3	75.63	A71FD3	CL 2	3
N0.7	0.48	38.39	A72FA3	A72FB3	A72FC3	115.17	A72FD3	CL 2	3
N0.8	0.43	36.92	A73FA3	A73FB3	A73FC3	110.76	A73FD3	CL 2	3
N0.9	0.39	67.49	A74FA3	A74FB3	A74FC3	202.47	A74FD3	CL 2	3
N0.10	0.35	71.05	A75FA3	A75FB3	A75FC3	213.15	A75FD3	CL 2	3
N0.12	0.28	103.85	A76FA3	A76FB3	A76FC3	311.55	A76FD3	CL 2	3

BRASS (BSB) TAPS

Straight Flute – Short Machine & Hand
High Speed Steel – Ground Thread



%GROUP = TAPS

BRASS (BSB)

Size	Pitch	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
1/4	26	25.26	B201MA4	B201MB4	B201MC4	75.78	B201MD4	CL 2	3
5/16	26	46.55	B202MA4	B202MB4	B202MC4	139.65	B202MD4	CL 2	4
3/8	26	38.26	B203MA4	B203MB4	B203MC4	114.78	B203MD4	CL 2	4
7/16	26	69.77	B204MA4	B204MB4	B204MC4	209.31	B204MD4	CL 2	4
1/2	26	83.20	B205MA4	B205MB4	B205MC4	249.60	B205MD4	CL 2	4
9/16	26	91.21	B206MA4	B206MB4	B206MC4	273.63	B206MD4	CL 2	4
5/8	26	91.21	B207MA4	B207MB4	B207MC4	273.63	B207MD4	CL 2	4
3/4	26	107.61	C208MA4	C208MB4	C208MC4	322.83	C208MD4	CL 2	4
7/8	26	138.54	C209MA4	C209MB4	C209MC4	415.62	C209MD4	CL 2	4
1"	26	154.74	C210MA4	C210MB4	C210MC4	464.22	C210MD4	CL 2	4



All prices exclude GST

BSPF G (BSP/BSPP) TAPS for Parallel Threads



%GROUP = TAPS

Size	TPI	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
			Taper	Inter	Bottom				
1/8	28	33.81	B81GA4	B81GB4	B81GC4	101.43	B81GD4	Z3	4
1/4	19	47.78	B82GA4	B82GB4	B82GC4	143.34	B82GD4	Z3	4
3/8	19	70.09	C83GA4	C83GB4	C83GC4	210.27	C83GD4	Z3	4
1/2	14	98.69	C84GA4	C84GB4	C84GC4	296.07	C84GD4	Z3	4
5/8	14	130.43	C84AGA4	C84AGB4	C84AGC4	391.29	C84AGD4	Z3	4
3/4	14	140.14	C85GA4	C85GB4	C85GC4	420.42	C85GD4	Z3	4
7/8	14	200.54	C86GA4	C86GB4	C86GC4	601.62	C86GD4	Z3	4
1"	11	232.47	C87GA6	C87GB6	C87GC6	697.41	C87GD6	Z3	6
1.1/4	11	355.41	K88GA6	K88GB6	K88GC6	1066.23	K88GD6	Z3	6
1.1/2	11	438.23	K89GA6	K89GB6	K89GC6	1314.69	K89GD6	Z3	6
1.3/4	11	695.84	K90GA6	K90GB6	K90GC6	2087.52	K90GD6	Z3	6
2"	11	746.50	K91GA6	K91GB6	K91GC6	2239.50	K91GD6	Z3	6
2.1/4	11	1179.95	K92GA6	K92GB6	K92GC6	3539.85	K92GD6	Z3	6
2.1/2	11	1579.88	K93GA6	K93GB6	K93GC6	4739.64	K93GD6	Z3	6
3"	11	2032.54	K94GA8	K94GB8	K94GC8	6097.62	K94GD8	Z3	8

Available in Taper, Intermediate and Bottom Lead
Also Available in Spiral Point and Spiral Flute (See Pages 14 and 18)

*** For Tapwrenches to suit Pipe Tap sizes please see Page 44 & 45

BSPT Rc TAPS for Tapered Threads High Speed Steel - Ground Thread



%GROUP = TAPS

Size	TPI	Price	Code	Flutes
1/8	28	64.99	B81XHC4	4
1/4	19	87.47	B82XHC4	4
3/8	19	119.77	C83XHC4	4
1/2	14	147.43	C84XHC4	4
3/4	14	187.13	C85XHC5	5
1"	11	269.05	C87XHC5	5
1.1/4	11	402.38	K88XHC5	5
1.1/2	11	491.58	K89XHC7	7
2"	11	919.96	K91XHC7	7

Available in Bottom Lead as Standard
(Also available in Taper and Inter lead upon request. We can also supply these as a Tap Set)

*** For Tapwrenches to suit Pipe Tap sizes please see Page 44 & 45

PIPE TAPS

Pipe Taps are supplied with **PARALLEL** threads or **TAPER** threads.

These taps are much shorter than a similar size of regular hand tap but the design features are the same. They are suitable for hand or machine use.

PARALLEL PIPE TAPS

Parallel pipe taps are used for parallel threading by hand or machine.

- BSP – "G" Series (made to British Standards):** Used when a pressure tight joint on the threads is not required (note: a sealant must be used).
- NPS (made to American Standards):** Used for free-fitting mechanical joints where thread sealing is not required.

TAPERED PIPE TAPS

Tapered pipe taps are used for tapered threading by hand or machine.

- BSPT – "Rc" Series (made to British Standards):** Used when a pressure joint on threads is required (note: a sealant must be used).
- NPT (made to American Standards):** Used when a general purpose fit is required.

NPT (Tapered Threads)

%GROUP = TAPS

Size	TPI	Price	Code	Flutes
1/16	27	70.04	B80YJC4	4
1/8	27	59.44	B81YJC4	4
1/4	18	88.73	B82YJC4	4
3/8	18	107.79	C83YJC4	4
1/2	14	152.52	C84YJC4	4
3/4	14	185.05	C85YJC5	5
1"	11½	256.68	C87YJC5	5
1.1/4	11½	381.45	K88YJC5	5
1.1/2	11½	628.07	K89YJC7	7
2"	11½	994.95	K91YJC7	7
3"	8	1385.82	K94YJC7	7



NPTF (Dryseal Taper)

%GROUP = TAPS

Size	TPI	Price	Code	Flutes
1/16	27	79.52	B80ZKEC4	4
1/8	27	68.84	B81ZKEC4	4
1/4	18	111.77	B82ZKEC4	4
3/8	18	141.73	C83ZKEC4	4
1/2	14	175.30	C84ZKEC4	4
3/4	14	233.68	C85ZKEC5	5
1"	11½	299.17	C87ZKEC5	5
1.1/4	11½	458.39	K88ZKEC5	5

Available in Bottom Lead

Available in Bottom Lead as Standard
(Also available in Taper and Inter lead upon request. We can also supply these as a Tap Set)

TAPERED PIPE REAMERS

%GROUP = SPEC

Size	Code	Price	Usage Explanation
1/8	TPR1/8	31.41	Tapered Pipe Reamers should be used when tapping tapered pipe threads including BSPT, NPT and NPTF. The use of a Tapered Reamer before tapping will prolong the life of the tap and also produce a better quality thread.
1/4	TPR1/4	43.22	
3/8	TPR3/8	57.25	
1/2	TRP1/2	75.58	
3/4	TRP3/4	106.79	
1"	TRP1	144.10	
1.1/4	TRP114	199.93	

Note: Special Discount Structure applies to TPR Range.



NPS (Parallel)

%GROUP = TAPS

Size	TPI	Price	CODE NUMBER			Flutes
			Taper	Inter	Bottom	
1/16	27	70.04		B80ZKAB4		4
1/8	27	59.73	B81ZKAA4	B81ZKAB4	B81ZKAC4	4
1/4	18	99.94	B82ZKAA4	B82ZKAB4	B82ZKAC4	4
3/8	18	121.96	C83ZKAA4	C83ZKAB4	C83ZKAC4	4
1/2	14	188.26	C84ZKAA4	C84ZKAB4	C84ZKAC4	4
3/4	14	254.98	C85ZKAA4	C85ZKAB4	C85ZKAC4	4
1"	11½	371.83	C87ZKAA6	C87ZKAB6	C87ZKAC6	6

NPSF (Dryseal)

%GROUP = TAPS

Size	TPI	Price	CODE NUMBER			Flutes
			Taper	Inter	Bottom	
1/8	27	42.59	B81ZKCA4	B81ZKCB4	B81ZKCC4	4
1/4	18	71.94	B82ZKCA4	B82ZKCB4	B82ZKCC4	4
3/8	18	85.84	C83ZKCA4	C83ZKCB4	C83ZKCC4	4
1/2	14	131.65	C84ZKCA4	C84ZKCB4	C84ZKCC4	4
3/4	14	199.03	C85ZKCA4	C85ZKCB4	C85ZKCC4	4
1"	11½	316.31	C87ZKCA6	C87ZKCB6	C87ZKCC6	6

*** For Tapwrenches to suit Pipe Tap sizes please see Page 44 & 45

All prices exclude GST

+0.4mm OVERSIZE TAPS METRIC CONDUIT TAPS DIN LONG SERIES TAPS

High Speed Steel – Ground Thread

0.4mm OVERSIZE METRIC TAPS – To suit Galvanising



%GROUP = TAPS

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
		Taper	Inter	Bottom				
8.0 x 1.25 +0.4	56.41	B40EA4.4	B40EB4.4	B40EC4.4	169.23	B40ED4.4	ISO 2	4
10 x 1.5 +0.4	71.00	B42EA4.4	B42EB4.4	B42EC4.4	213.00	B42ED4.4	ISO 2	4
12 x 1.75 +0.4	83.09	B44EA4.4	B44EB4.4	B44EC4.4	249.27	B44ED4.4	ISO 2	4
16 x 2 +0.4	99.40	B46EA4.4	B46EB4.4	B46EC4.4	298.20	B46ED4.4	ISO 2	4
20 x 2.5 +0.4	134.44	C48EA4.4	C48EB4.4	C48EC4.4	403.32	C48ED4.4	ISO 2	4
24 x 3.0 +0.45	175.10	C50EA4.4	C50EB4.4	C50EC4.4	525.30	C50ED4.4	ISO 2	4

METRIC CONDUIT TAPS



%GROUP = TAPS

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Flutes
		Taper	Inter	Bottom				
16 x 1.5	89.14	B46XEA4	B46XEB4	B46XEC4	267.42	B46XED4	ISO 2	4
20 x 1.5	143.37	C48XEA4	C48XEB4	C48XEC4	430.11	C48XED4	ISO 2	4
25 x 1.5	144.47	C51XEA4	C51XEB4	C51XEC4	433.41	C51XED4	ISO 2	4
32 x 1.5	205.11	C54XEA6	C54XEB6	C54XEC6	615.33	C54XED6	ISO 2	6
40 x 1.5	357.83	K565XEA6	K565XEB6	K565XEC6	1073.49	K565XED6	ISO 2	6
50 x 1.5	626.55	K50X1.5T	K50X1.5I	K50X1.5B	1879.65	K50XI.5S	ISO 2	6

DIN 371 HSS-COBALT LONG SERIES Reinforced Shank – Metric Coarse



%GROUP = TAPS

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Overall Length	Shank Diam.
		Taper	Inter	Bottom					
3.0 x 0.5	23.94	A33EA3371	A33EB3371	A33EC3371	71.82	A33ED3371	6H	56	3.5
4.0 x 0.7	23.94	A35EA3371	A35EB3371	A35EC3371	71.82	A35ED3371	6H	63	4.5
5.0 x 0.8	24.71	A37EA3371	A37EB3371	A37EC3371	74.13	A37ED3371	6H	70	6
6.0 x 1.0	25.73	A38EA3371	A38EB3371	A38EC3371	77.19	A38ED3371	6H	80	6
8.0 x 1.25	28.18	B40EA4371	B40EB4371	B40EC4371	84.54	B40ED4371	6H	90	8
10 x 1.5	39.12	B42EA4371	B42EB4371	B42EC4371	117.36	B42ED4371	6H	100	10

DIN 376 HSS-COBALT LONG SERIES Reduced Shank – Metric Coarse



%GROUP = TAPS

Size	Price	CODE NUMBER			Price Sets	Code Sets	Pitch Dia. Tolerance	Overall Length	Shank Diam.
		Taper	Inter	Bottom					
3.0 x 0.5	25.77	A33EA3376	A33EB3376	A33EC3376	77.31	A33ED3376	6H	56	2.2
4.0 x 0.7	23.37	A35EA3376	A35EB3376	A35EC3376	70.11	A35ED3376	6H	63	2.8
5.0 x 0.8	27.81	A37EA3376	A37EB3376	A37EC3376	83.43	A37ED3376	6H	70	3.5
6.0 x 1.0	27.81	A38EA3376	A38EB3376	A38EC3376	83.43	A38ED3376	6H	80	4.5
8.0 x 1.25	29.12	B40EA4376	B40EB4376	B40EC4376	87.36	B40ED4376	6H	90	6
10 x 1.5	39.12	B42EA4376	B42EB4376	B42EC4376	117.36	B42ED4376	6H	100	7
12 x 1.75	53.57	B44EA4376	B44EB4376	B44EC4376	160.71	B44ED4376	6H	110	9
14 x 2	62.72	B45EA4376	B45EB4376	B45EC4376	188.16	B45ED4376	6H	110	11
16 x 2	85.10	B46EA4376	B46EB4376	B46EC4376	255.30	B46ED4376	6H	110	12
18 x 2.5	117.17	C47EA4376	C47EB4376	C47EC4376	351.51	C47ED4376	6H	125	14
20 x 2.5	146.03	C48EA4376	C48EB4376	C48EC4376	438.09	C48ED4376	6H	140	16

All prices exclude GST

SPIRAL POINT TAPS GUN NOSE

Ground Thread

%GROUP = TAPS

METRIC COARSE

HSS-CO

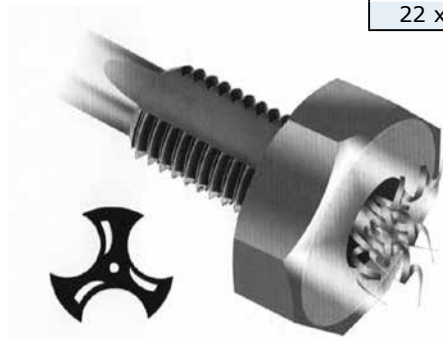
Size	Price	Code	Pitch Dia. Tolerance	Flutes
2.0 x 0.4	35.72	A30EE2SP	ISO 2	3
2.5 x 0.45	35.72	A32EE2SP	ISO 2	3
3.0 x 0.5	25.76	A33EE2SP	ISO 2	3
3.5 x 0.6	25.76	A34EE2SP	ISO 2	3
4.0 x 0.7	21.37	A35EE2SP	ISO 2	3
4.5 x 0.75	26.39	A36EE2SP	ISO 2	3
5.0 x 0.8	23.89	A37EE3SP	ISO 2	3
6.0 x 1.0	24.56	B38EE3SP	ISO 2	3
7.0 x 1.0	30.71	B39EE3SP	ISO 2	3
8.0 x 1.25	26.47	B40EE3SP	ISO 2	3
10 x 1.5	35.11	B42EE3SP	ISO 2	3
12 x 1.75	56.40	B44EE3SP	ISO 2	3
14 x 2.0	72.16	B45EE3SP	ISO 2	3
16 x 2.0	93.58	B46EE3SP	ISO 2	3
18 x 2.5	120.56	C47EE3SP	ISO 2	3
20 x 2.5	135.54	C48EE3SP	ISO 2	3
22 x 2.5	167.91	C49EE3SP	ISO 2	3
24 x 3.0	192.00	C50EE3SP	ISO 2	3
27 x 3.0	239.18	C51EE3SP	ISO 2	3
30 x 3.5	355.19	C52EE3SP	ISO 2	3
36 x 4.0	539.64	K54EE3SP	ISO 2	3



METRIC FINE

HSS-CO

Size	Price	Code	Pitch Dia. Tolerance	Flutes
4.0 x 0.5	43.41	A35XEE2SP	ISO 2	3
5.0 x 0.5	43.91	A37XEE2SP	ISO 2	3
6.0 x 0.75	44.83	B38XEE2SP	ISO 2	3
8.0 x 1.0	43.75	B40XEE3SP	ISO 2	3
10 x 1.0	51.95	B41XEE3SP	ISO 2	3
10 x 1.25	48.74	B42XEE3SP	ISO 2	3
12 x 1.0	93.65	B44XEE3SP	ISO 2	3
12 x 1.25	88.93	B43XEE3SP	ISO 2	3
12 x 1.5	58.18	B44XEE3SP	ISO 2	3
14 x 1.25	105.77	B44XEE3SP	ISO 2	3
14 x 1.5	105.77	B45XEE3SP	ISO 2	3
16 x 1.5	105.77	B46XEE3SP	ISO 2	3
18 x 1.5	126.69	C47XEE3SP	ISO 2	3
20 x 1.5	161.12	C48XEE3SP	ISO 2	3
22 x 1.5	161.12	C49XEE3SP	ISO 2	3



Gun nose taps have straight flutes supplemented by angular cutting faces at the lead. The design of the cutting portion propels the swarf ahead of the tap leaving the flutes clear for the flow of coolant to the cutting teeth.

Primarily designed for use in through holes, these taps can be used in blind holes provided that there is ample clearance beyond the threaded section to accommodate the swarf. The advantages of a gun nose tap are, the shearing action of the angular cutting faces which produce a fine finish on the threads and shallower flutes which permit a stronger cross section throughout the tap.

SPIRAL POINT TAPS

GUN NOSE

Ground Thread

%GROUP = TAPS

BSW

HSS-CO BA

HSS-CO

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
1/8	40	26.04	A07AE2SP	CL 2	3
5/32	32	26.10	AK08AE2SP	CL 2	3
3/16	24	27.00	A09AE3SP	CL 2	3
1/4	20	26.06	B11AE3SP	CL 2	3
5/16	18	27.90	B12AE3SP	CL 2	3
3/8	16	37.99	B13AE3SP	CL 2	3
7/16	14	54.93	B14AE3SP	CL 2	3
1/2	12	60.94	B15AE3SP	CL 2	3
9/16	12	81.51	B16AE3SP	CL 2	3
5/8	11	85.35	B17AE3SP	CL 2	3
3/4	10	130.94	C18AE3SP	CL 2	3
7/8	9	135.70	C19AE3SP	CL 2	3
1"	8	164.67	C20AE3SP	CL 2	3
1.1/4	7	314.42	C22AE3SP	CL 2	3
1.1/2	6	476.67	C23AE3SP	CL 2	3

Size	Pitch	Price	Code	Pitch Dia. Tolerance	Flutes
N0.0	1.00	33.54	A65FE2SP	CL 2	2
N0.1	0.90	44.35	A66FE2SP	CL 2	2
N0.2	0.81	33.54	A67FE2SP	CL 2	2
N0.3	0.73	42.10	A68FE2SP	CL 2	2
N0.4	0.66	42.11	A69FE2SP	CL 2	2
N0.5	0.59	44.28	A70FE2SP	CL 2	2
N0.6	0.53	44.28	A71FE2SP	CL 2	2
N0.7	0.48	58.20	A72FE2SP	CL 2	2
N0.8	0.43	58.20	A73FE2SP	CL 2	2

BSF

HSS-CO BSP

HSS-CO

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
3/16	32	42.10	A09BE2SP	CL 2	3
1/4	26	38.26	B11BE2SP	CL 2	3
5/16	22	42.10	B12BE3SP	CL 2	3
3/8	20	57.42	B13BE3SP	CL 2	3
7/16	18	67.50	B14BE3SP	CL 2	3
1/2	16	81.44	B15BE3SP	CL 2	3
9/16	16	113.14	B16BE3SP	CL 2	3
5/8	14	124.83	B17BE3SP	CL 2	3
3/4	12	178.83	C18BE3SP	CL 2	3
7/8	11	210.36	C19BE3SP	CL 2	3
1"	10	260.27	C20BE3SP	CL 2	3

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
1/8	28	88.94	B81GE3SP	Z3	3
1/4	19	63.22	B82GE3SP	Z3	3
3/8	19	82.17	C83GE3SP	Z3	3
1/2	14	130.44	C84GE3SP	Z3	3
3/4	14	179.77	C85GE3SP	Z3	3



All prices exclude GST

SPIRAL POINT TAPS GUN NOSE

Ground Thread

%GROUP = TAPS

UNC

HSS-C0

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
N0.1	64	51.78	AK02CE2SP	2B	2
N0.2	56	34.96	AK03CE2SP	2B	2
No.3	48	34.97	AK04CE2SP	2B	2
N0.4	40	38.83	A05CE2SP	2B	3
N0.5	40	31.11	A06CE2SP	2B	3
N0.6	32	25.27	A07CE2SP	2B	3
N0.8	32	28.09	A08CE2SP	2B	3
N0.10	24	25.47	A09CE2SP	2B	3
N0.12	24	29.54	A10CE2SP	2B	3
1/4	20	24.56	B11CE3SP	2B	3
5/16	18	26.47	B12CE3SP	2B	3
3/8	16	32.24	B13CE3SP	2B	3
7/16	14	52.52	B14CE3SP	2B	3
1/2	13	58.20	B15CE3SP	2B	3
9/16	12	92.37	B16CE3SP	2B	3
5/8	11	92.37	B17CE3SP	2B	3
3/4	10	125.48	C18CE3SP	2B	3
7/8	9	174.32	C19CE3SP	2B	3
1"	8	211.53	C20CE3SP	2B	3
1.1/8	7	270.21	C21CE3SP	2B	4
1.1/4	7	311.45	C22CE3SP	2B	4
1.1/2	6	472.89	C23CE3SP	2B	4



UNF

HSS-C0

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
N0.2	64	34.96	A03DE2SP	2B	2
N0.3	56	32.45	A04DE2SP	2B	2
N0.4	48	31.77	A05DE2SP	2B	3
N0.5	44	31.77	A06DE2SP	2B	3
N0.6	40	30.82	A07DE2SP	2B	3
N0.8	36	30.82	A08DE2SP	2B	3
N0.10	32	25.76	A09DE2SP	2B	3
N0.12	28	29.92	A10DE2SP	2B	3
1/4	28	24.85	B11DE3SP	2B	3
5/16	24	33.21	B12DE3SP	2B	3
3/8	24	36.23	B13DE3SP	2B	3
7/16	20	52.52	B14DE3SP	2B	3
1/2	20	58.20	B15DE3SP	2B	3
9/16	18	85.13	B16DE3SP	2B	3
5/8	18	90.03	B17DE3SP	2B	3
3/4	16	124.70	C18DE3SP	2B	3
7/8	14	174.32	C19DE3SP	2B	3
1"	12	211.53	C20DE3SP	2B	3
1" UNS	14	258.97	C220DE3SP	2B	3

All prices exclude GST

COBALT LONG SERIES

REDUCED SHANK MACHINE TAPS
SPIRAL POINT / GUN & SPIRAL FLUTE
DIN 376 HSS / COBALT Ground Thread

METRIC COARSE HSS / COBALT Reduced Shank Spiral Point/Gun

%GROUP = TAPS



Size	Price	Code	Pitch Dia. Tol.	Overall Length	Shank Diam.
3 x 0.5	33.51	A33EE3P376	6H	56	2.20
4 x 0.7	27.79	A35EE3P376	6H	63	2.80
5 x 0.8	31.07	A37EE3P376	6H	70	3.50
6 x 1.0	31.90	A38EE3P376	6H	80	4.50
8 x 1.25	34.38	B40EE3P376	6H	90	6.00
10 x 1.5	45.65	B42EE3P376	6H	100	7.00
12 x 1.75	75.67	B44EE3P376	6H	110	9.00
14 x 2	98.08	B45EE3P376	6H	110	11.00
16 x 2	121.62	B46EE3P376	6H	110	12.00
18 x 2.5	165.60	B47EE3P376	6H	125	14.00
20 x 2.5	193.49	C48EE3P376	6H	140	16.00

METRIC COARSE HSS / COBALT Reduced Shank Spiral Flute

%GROUP = TAPS



Size	Price	Code	Pitch Dia. Tol.	Overall Length	Shank Diam.
3 x 0.5	44.11	A33EF2376	6H	56	2.20
4 x 0.7	34.38	A35EF2376	6H	63	2.80
5 x 0.8	38.41	A37EF3376	6H	70	3.50
6 x 1.0	39.76	A38EF3376	6H	80	4.50
8 x 1.25	50.24	B40EF3376	6H	90	6.00
10 x 1.5	61.29	B42EF3376	6H	100	7.00
12 x 1.75	95.96	B44EF3376	6H	110	9.00
14 x 2	122.86	B45EF3376	6H	110	11.00
16 x 2	153.22	B46EF3376	6H	110	12.00
18 x 2.5	206.93	C47EF3376	6H	125	14.00
20 x 2.5	260.70	C48EF3376	6H	140	16.00

COMBINATION TAP & DRILL

METRIC COARSE HSS COMBINATION TAP & DRILL

%GROUP = SPEC



Size	Price	Code	Flutes
4.0 x 0.7	***	M4COMB	2
5.0 x 0.8	***	M5COMB	2
6.0 x 1.0	***	M6COMB	2
8.0 x 1.25	***	M8COMB	2
10 x 1.5	***	M10COMB	2
12 x 1.75	***	M12COMB	2

***STOCKED SPECIALS - Price on application

METRIC COARSE

HSS-CO

Size	Price	Code	Pitch Dia. Tolerance	Flutes
2 x 0.4	65.95	A30EF2	ISO 2	2
2.5 x 0.45	51.56	A32EF2	ISO 2	2
3.0 x 0.5	34.03	A33EF2	ISO 2	2
3.5 x 0.6	36.46	A34EF2	ISO 2	2
4.0 x 0.7	26.46	A35EF2	ISO 2	2
5.0 x 0.8	29.54	A37EF3	ISO 2	3
6.0 x 1.0	30.58	B38EF3	ISO 2	3
7.0 x 1.0	31.77	B39EF3	ISO 2	3
8.0 x 1.25	33.18	B40EF3	ISO 2	3
10 x 1.5	47.13	B42EF3	ISO 2	3
12 x 1.75	73.82	B44EF3	ISO 2	3
14 x 2.0	94.52	B45EF3	ISO 2	3
16 x 2.0	105.62	B46EF3	ISO 2	3
18 x 2.5	131.28	C47EF3	ISO 2	3
20 x 2.5	150.24	C48EF3	ISO 2	3
22 x 2.5	182.86	C49EF3	ISO 2	3
24 x 3.0	209.48	C50EF3	ISO 2	3
27 x 3.0	297.76	C51EF3	ISO 2	3
30 x 3.5	297.76	C52EF3	ISO 2	3
36 x 4.0	539.64	K54EF3	ISO 2	3



METRIC FINE

HSS-CO

Size	Price	Code	Pitch Dia. Tolerance	Flutes
4.0 x 0.5	59.85	A35XEF2	ISO 2	2
5.0 x 0.5	59.85	A37XEF3	ISO 2	3
6.0 x 0.75	59.85	B38XEF3	ISO 2	3
8.0 x 1.0	49.65	B40XEF3	ISO 2	3
10 x 1.0	65.80	B41XEF3	ISO 2	3
10 x 1.25	71.14	B42XEF3	ISO 2	3
12 x 1.25	75.83	B43XEF3	ISO 2	3
12 x 1.5	95.88	B443XEF3	ISO 2	3
14 x 1.25	117.98	B44XEF3	ISO 2	3
14 x 1.5	113.45	B45XEF3	ISO 2	3
16 x 1.5	117.98	B46XEF3	ISO 2	3
18 x 1.5	179.99	C47XEF3	ISO 2	3
20 x 1.5	231.31	C48XEF3	ISO 2	3
22 x 1.5	238.95	C49XEF3	ISO 2	3



Spiral Flute

Spiral Flute taps are designed primarily for machine tapping of blind holes, are used to the best advantage in materials that produce long continuous chips. The right hand spiral forces the swarf out of the hole and prevents the chips from clogging at the bottom of the hole or in the flutes, which could cause tap breakage or spoiled threads.

BSW

HSS-C0 BA

HSS-C0

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
1/8	40	32.01	A07AF2	CL 2	2
5/32	32	32.01	AK08AF2	CL 2	2
3/16	24	33.05	A09AF3	CL 2	3
1/4	20	31.89	B11AF3	CL 2	3
5/16	18	34.90	B12AF3	CL 2	3
3/8	16	47.88	B13AF3	CL 2	3
7/16	14	62.78	B14AF3	CL 2	3
1/2	12	73.14	B15AF3	CL 2	3
9/16	12	96.37	B16AF3	CL 2	3
5/8	11	100.82	B17AF3	CL 2	3
3/4	10	126.93	C18AF3	CL 2	3
7/8	9	186.47	C19AF3	CL 2	3
1"	8	228.15	C20AF3	CL 2	3

Size	Pitch	Price	Code	Pitch Dia. Tolerance	Flutes
N0.0	1.00	58.19	A65FF3	CL 2	3
N0.1	0.90	58.19	A66FF3	CL 2	3
N0.2	0.81	49.50	A67FF3	CL 2	3
N0.3	0.73	49.50	A68FF3	CL 2	2
N0.4	0.66	49.50	A69FF3	CL 2	2
N0.5	0.59	49.50	A70FF3	CL 2	2
N0.6	0.53	72.88	A71FF3	CL 2	2
N0.8	0.43	72.88	A73FF3	CL 2	2
N0.10	0.35	89.21	A75FF3	CL 2	2

BSF

HSS-C0 BSP

HSS-C0

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
3/16	32	41.15	A09BF2	CL 2	2
1/4	26	41.71	B11BF3	CL 2	3
5/16	22	49.50	B12BF3	CL 2	3
3/8	20	70.03	B13BF3	CL 2	3
7/16	18	90.95	B14BF3	CL 2	3
1/2	16	106.72	B15BF3	CL 2	3
9/16	16	145.50	B16BF3	CL 2	3
5/8	14	145.50	B17BF3	CL 2	3
3/4	12	212.89	C18BF3	CL 2	3
7/8	11	260.66	C19BF3	CL 2	3
1"	10	334.78	C20BF3	CL 2	3

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
1/8	28	75.83	B81GF3	Z3	3
1/4	19	91.21	B82GF3	Z3	3
3/8	19	107.61	C83GF3	Z3	3
1/2	14	138.54	C84GF3	Z3	3
3/4	14	154.74	C85GF3	Z3	3



UNC

HSS-C0

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
N0.4	40	38.53	A05CF2	2B	2
N0.5	40	38.53	A06CF2	2B	2
N0.6	32	31.15	A07CF2	2B	2
N0.8	32	31.15	A08CF2	2B	2
N0.10	24	31.15	A09CF3	2B	3
1/4	20	29.64	B11CF3	2B	3
5/16	18	33.48	B12CF3	2B	3
3/8	16	44.85	B13CF3	2B	3
7/16	14	61.28	B14CF3	2B	3
1/2	13	71.12	B15CF3	2B	3
9/16	12	101.19	B16CF3	2B	3
5/8	11	107.49	B17CF3	2B	3
3/4	10	137.54	C18CF3	2B	3
7/8	9	193.50	C19CF3	2B	3
1"	8	242.12	C20CF3	2B	3



UNF

HSS-C0

Size	TPI	Price	Code	Pitch Dia. Tolerance	Flutes
N0.4	48	38.49	A05DF2	2B	2
N0.5	44	35.63	A06DF2	2B	2
N0.6	40	33.54	A07DF2	2B	2
N0.8	36	33.54	A08DF2	2B	2
N0.10	32	31.58	A09DF3	2B	3
1/4	28	30.58	B11DF3	2B	3
5/16	24	33.48	B12DF3	2B	3
3/8	24	45.90	B13DF3	2B	3
7/16	20	61.49	B14DF3	2B	3
1/2	20	71.15	B15DF3	2B	3
9/16	18	92.29	B16DF3	2B	3
5/8	18	96.33	B17DF3	2B	3
3/4	16	123.14	C18DF3	2B	3
7/8	14	174.61	C19DF3	2B	3
1"	12	217.79	C20DF3	2B	3

High Performance TiAlN Coated Machine Taps / Stainless Steels

%GROUP = SPEC

Manufactured to specific Geometry to suit Stainless Steels, Heat resistant steels <900N/mm², Cementation steels, Heat-treatable steels, Tool steels <1200 N/mm², Free cutting steels, Construction steels, Alloyed steels, Steel castings <900 N/mm², Unalloyed and Low Alloyed steels <800 N/mm² & Structural steels <700 N/mm², Copper & Magnesium Alloys.

NOTE: Special Discount Structure applies for High Performance M/C Taps

METRIC COARSE SP/PT (GUN) TAP HSSE TiAlN

Size	Standard	Code	Price
3.0 x 0.5	DIN371	A33EE2SPHP	26.63
4.0 x 0.7	DIN371	A35EE2SPHP	26.63
5.0 x 0.8	DIN371	A37EE3SPHP	29.59
6.0 x 1.0	DIN371	B38EE3SPHP	29.59
8.0 x 1.25	DIN371	B40EE3SPHP	36.64
10 x 1.5	DIN371	B42EE3SPHP	46.08
12 x 1.75	DIN376	B44EE3SPHP	55.16
16 x 2.0	DIN376	B46EE3SPHP	87.42



METRIC COARSE SP/FLT TAP HSSE TiAlN

Size	Standard	Code	Price
3.0 x 0.5	DIN371	A33EF2HP	30.75
4.0 x 0.7	DIN371	A35EF2HP	30.75
5.0 x 0.8	DIN371	A37EF3HP	33.82
6.0 x 1.0	DIN371	B38EF3HP	33.82
8.0 x 1.25	DIN371	B40EF3HP	41.78
10 x 1.5	DIN371	B42EF3HP	52.70
12 x 1.75	DIN376	B44EF3HP	62.77
16 x 2.0	DIN376	B46EF3HP	94.28

TiN COATING Titanium Nitride Coating. Recommended for Plastics and is also acceptable on a wide range of steels. (50% Machining Speed Increase is achievable)

NOTE: Special Discount Structure applies for TiN Coated Taps

%GROUP = SPEC

METRIC COARSE SP/PT (GUN) TAP

Size	Code	Price
3.0 x 0.5	TA33EE2SP	21.14
4.0 x 0.7	TA35EE2SP	17.19
5.0 x 0.8	TA37EE3SP	18.85
6.0 x 1.0	TB38EE3SP	19.34
8.0 x 1.25	TB40EE3SP	24.65
10 x 1.5	TB42EE3SP	32.52
12 x 1.75	TB44EE3SP	45.80
16 x 2.0	TB46EE3SP	62.16
20 x 2.5	TC48EE3SP	95.30



METRIC COARSE SP/FLT TAP

Size	Code	Price
3.0 x 0.5	TA33EF2	21.63
4.0 x 0.7	TA35EF2	19.36
5.0 x 0.8	TA37EF3	19.98
6.0 x 1.0	TB38EF3	20.61
8.0 x 1.25	TB40EF3	28.06
10 x 1.5	TB42EF3	37.59
12 x 1.75	TB44EF3	48.49
16 x 2.0	TB46EF3	75.55
20 x 2.5	TC48EF3	105.29

TiCN COATING Titanium Carbonitride Coating. Recommended for Cast Iron (Gray & Ductile), Steels (Soft & Hard), High Temp Alloys (Iron Based, Cobalt Based & Nickel Based) and Composites (50% Machining Speed Increase is achievable)

NOTE: Special Discount Structure applies for TiCN Coated Taps

%GROUP = SPEC

METRIC COARSE SP/PT (GUN) TAP

Size	Code	Price
3.0 x 0.5	TCA33EE2SP	28.28
4.0 x 0.7	TCA35EE2SP	22.06
5.0 x 0.8	TCA37EE3SP	24.44
6.0 x 1.0	TCB38EE3SP	24.97
8.0 x 1.25	TCB40EE3SP	34.61
10 x 1.5	TCB42EE3SP	43.71
12 x 1.75	TCB44EE3SP	60.93
16 x 2.0	TCB46EE3SP	91.78
20 x 2.5	TCC48EE3SP	131.84



METRIC COARSE SP/FLT TAP

Size	Code	Price
3.0 x 0.5	TCA33EF2	28.79
4.0 x 0.7	TCA35EF2	24.98
5.0 x 0.8	TCA37EF3	25.58
6.0 x 1.0	TCB38EF3	26.20
8.0 x 1.25	TCB40EF3	38.01
10 x 1.5	TCB42EF3	48.80
12 x 1.75	TCB44EF3	60.93
16 x 2.0	TCB46EF3	105.20
20 x 2.5	TCC48EF3	141.78

* Other sizes and Threadforms also available upon request, please contact our friendly staff.

All prices exclude GST

FLUTELESS TAPS

High Speed Steel – Ground Thread
Roll Form / Thread Flow

%GROUP = TAPS

METRIC

Size	Price	Code	Pitch Dia. Tolerance
2.0 x 0.4	91.63	B30EG	6H
2.5 x 0.45	71.88	B32EG	6H
3.0 x 0.5	59.22	B33EG	6H
3.5 x 0.6	63.01	B34EG	6H
4.0 x 0.7	59.22	B35EG	6H
5.0 x 0.8	67.25	B37EG	6H
6.0 x 1.0	67.25	B38EG	6H
8.0 x 1.0	71.88	B40XEG	6H
8.0 x 1.25	71.88	B40EG	6H
10 x 1.0	108.17	B41XEG	6H
10 x 1.25	108.17	B42XEG	6H
10 x 1.5	108.17	B42EG	6H
12 x 1.25	145.05	B43XEG	6H
12 x 1.5	145.05	B443XEG	6H
12 x 1.75	145.05	B44EG	6H



BSW

Size	TPI	Price	Code	Pitch Dia. Tolerance
1/8	40	70.60	B07AG	Medium
5/32	32	70.60	BK08AG	Medium
3/16	24	64.97	B09AG	Medium
1/4	20	68.74	B11AG	Medium
5/16	18	75.18	B12AG	Medium
3/8	16	93.57	B13AG	Medium
1/2	12	147.61	B15AG	Medium

UNC

Size	TPI	Price	Code	Pitch Dia. Tolerance
N0.4	40	95.52	B05CG	2B
N0.5	40	95.52	B06CG	2B
N0.6	32	64.97	B07CG	2B
N0.8	32	64.97	B08CG	2B
N0.10	24	64.97	B09CG	2B
1/4	20	64.97	B11CG	2B
5/16	18	75.46	B12CG	2B
3/8	16	93.57	B13CG	2B
1/2	13	125.74	B15CG	2B

BA

Size	PITCH	Price	Code	Class of Fit
N0.0	1.00	68.47	B65FG	NORMAL
N0.2	.81	68.47	B67FG	NORMAL
N0.4	.66	68.47	B69FG	NORMAL
N0.6	.53	68.47	B71FG	NORMAL

UNF

Size	TPI	Price	Code	Pitch Dia. Tolerance
N0.4	48	95.52	B05DG	2B
N0.5	44	95.52	B06DG	2B
N0.6	40	95.52	B07DG	2B
N0.8	36	72.19	B08DG	2B
N0.10	32	72.19	B09DG	2B
1/4	28	72.19	B11DG	2B
5/16	24	72.19	B12DG	2B
3/8	24	120.06	B13DG	2B
7/16	20	130.36	B14DG	2B
1/2	20	138.97	B15DG	2B

BSF

Size	TPI	Price	Code	Pitch Dia. Tolerance
1/4	26	90.84	B11BG	MEDIUM
5/16	22	106.75	B12BG	MEDIUM
3/8	20	106.75	B13BG	MEDIUM



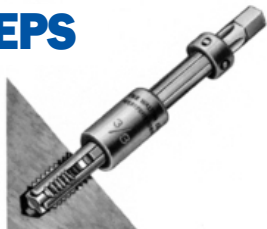
All prices exclude GST

WALTON TAP EXTRACTORS

Here's all there is to it . . .

3 SIMPLE STEPS

for removing
broken taps
the easy way



1

Thoroughly remove all chips of the broken tap. Insert the extractor fingers into the flutes of the broken tap, pushing them gently but firmly into position.



2

Push the holder down until it touches the broken tap. Slide the sleeve down until it touches the work. (Both are important.)

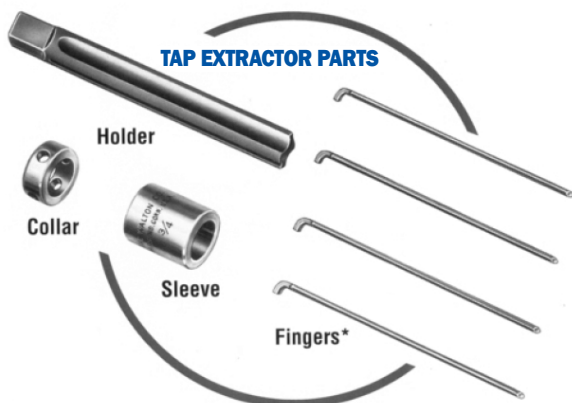
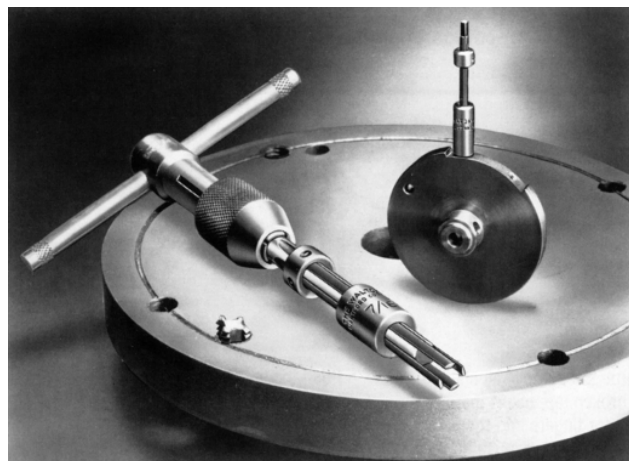


3

Apply a tap wrench to the square end of the holder. Twist forward and backward a few times to loosen, then back out the broken tap.

Size	Price	Code
3mm (#4) 3 Flute	28.44	TE3
3.2mm (#5) 3 Flute	28.44	TE3.2
3.5mm (#6) 3 Flute	28.44	TE3.5
4mm (#8) 3 Flute	28.44	TE4
5mm (#10) 3 Flute	28.44	TE5
5.5mm (#12) 3 Flute	29.63	TE5.5
6mm (1/4") 3 Flute	29.63	TE6
6mm (1/4") 4 Flute	29.63	TE6+4Flt
8mm (5/16") 3 Flute	30.81	TE8+3Flt
8mm (5/16") 4 Flute	30.81	TE8
9/10mm (3/8") 3 Flute	30.81	TE10+3Flt
9/10mm (3/8") 4 Flute	30.81	TE10
11mm (7/16") 4 Flute	32.00	TE11
12mm (1/2") 3 Flute	34.37	TE12+3Flt
12mm (1/2") 4 Flute	34.37	TE12
14mm (9/16") 4 Flute	46.22	TE14
16mm (5/8") 3 Flute	50.95	TE16+3Flt
16mm (5/8") 4 Flute	50.95	TE16
20mm (3/4") 3 Flute	61.62	TE20+3Flt
20mm (3/4") 4 Flute	61.62	TE20
22mm (7/8") 4 Flute	75.85	TE22
24/25mm (1") 3 Flute	75.85	TE24+3Flt
24/25mm (1") 4 Flute	75.85	TE24
6 pce Set (5,6,8,10,11 & 12mm)	187.23	TESET#1
6 pce Set (6,8,10,11,12 & 16mm)	210.93	TESET#2

%GROUP = SPEC



MADE IN

U. S. A.



All prices exclude GST

THREAD FILES & RELTON GROO-V TIP MULTI-PURPOSE BITS

THREADFILES TO SUIT INTERNAL & EXTERNAL THREADS



4 Different Thread Files Available	Code
Metric = 0.8, 1.0, 1.25, 1.5, 1.75, 2.0, 2.5 & 3.0mm Pitch	FILEMET
UN (UNC/UNF) = 11, 12, 13, 14, 16, 18, 20 & 24 tpi	FILEUN
Whitworth (BSW) = 10, 11, 12, 14, 16, 18, 20 & 24 tpi	FILEBSW
Gas (BSP) = 28, 19, 14 & 11 tpi	FILEGAS

Groo-V® Tip MULTI-PURPOSE BIT



Percussion or rotary-only, the Groo-V® Tip bit makes holes in almost all materials! Engineered for drilling hard materials, these specialized Ram Tip Bits have a serrated carbide tip, which penetrates faster - up to 50% faster than standard masonry bits! (A drill press or supported drill motor is recommended for drilling hard metal.)

SET PRICE			
Size	Price	Code	Overall Length
3/16, 1/4, 5/16, 3/8 & 1/2	89.25	GRT-K5	6"

%GROUP = SPEC



Refillable Case
Assortment of Most
Popular Sizes

INDIVIDUAL SIZES			
Size	Price	Code	Overall Length
1/8 x 75mm Overall	11.90	GRT-2-3	3"
3/16 x 100mm Overall	14.01	GRT-3-4	4"
3/16 x 150mm Overall	15.47	GRT-3-6	6"
1/4 x 100mm Overall	13.20	GRT-4-4	4"
1/4 x 150mm Overall	15.47	GRT-4-6	6"
5/16 x 150mm Overall	19.04	GRT-5-6	6"
3/8 x 150mm Overall	20.23	GRT-6-6	6"
1/2 x 150mm Overall	24.99	GRT-8-6	6"



RELTON
CORPORATION



All prices exclude GST

CARBIDE-TIPPED ROTARY-ONLY REBAR CUTTERS

At last, the answer to drilling through concrete-embedded rebar! No more broken or shattered hammer bits; now you can drill through the rebar and not have to relocate the hole to avoid the rebar!

SDS+

SHANK

Diameter Metric	Diameter Imperial	Overall Length	Code	Price	Suggested RPM'S	System
10mm		12"	MSRB-10	76.43	850-1200	This is a one-piece system (shanks are non-removable).
12mm		12"	MSRB-12	82.47	850-1200	
14mm		12"	MSRB-14	90.78	850-1200	
15.88mm	5/8	12"	SRB-10	95.14	750-1000	
16mm		12"	MSRB-16	95.14	750-1000	
17.46mm	11/16	12"	SRB-11	106.41	750-1000	
18mm		12"	MSRB-18	106.41	750-1000	
19.05mm	3/4	12"	SRB-12	112.07	600-850	
20mm		12"	MSRB-20	116.83	600-850	
20.64mm	13/16	12"	SRB-13	121.45	600-850	
22mm		12"	MRB-22HO	143.61	550-850	This is a two-piece system and comes with a shank to make a overall length of 12"; however longer shanks are available... see shanks on left.
24mm		12"	MRB-24HO	145.76	500-750	
25.40mm	1"	12"	SRB-16	161.89	500-750	
28mm		12"	MRB-28HO	173.96	500-750	
30mm		12"	MRB-30HO	177.75	480-680	
12" SDS+ SHANK		To Make 12" O/All	STDS-2-12	22.52		
18" SDS+ SHANK		To Make 18" O/All	STDS-2-18	32.00		
24" SDS+ SHANK		To Make 24" O/All	STDS-2-24	42.66		
12" PLAIN SHANK		To Make 12" O/All	TDS-2-12	22.52		



Choice of SDS+ or Plain Shank available to suite sizes 22mm and above only

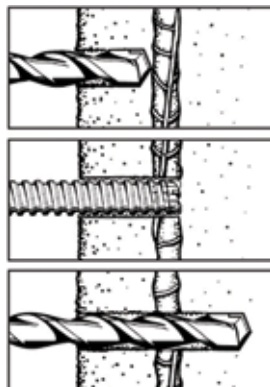
Follow power tool manufacturers' recommendations for bit capacity.

SAFETY NOTE: The operator of this tool assumes sole responsibility for any adverse structural effects of cutting rebar. Consult structural engineers if you have any concerns.

1. When rebar is encountered while drilling with a rotary hammer and carbide hammer bit, immediately stop the hammer and remove the bit from the hole (failure to stop could severely damage a carbide hammer bit - regardless of manufacturer's claim).

2. Mount a rotary rebar cutter in a standard 1/2" chuck/drill motor or SDS+ rotary hammer-motor (with selector in the **rotary-only position**); insert the rotary rebar cutter into the hole and drill through the embedded rebar.

3. Remove the rotary rebar cutter after the rebar has been drilled completely through and finish drilling the hole with the rotary hammer and hammer bit.



NOTICE:

The Relton carbide-tipped rotary rebar cutter is designed for use in a standard SDS+ hammer motor provided the selector mechanism is kept in the **rotary-only position**.

The Relton carbide-tipped rotary rebar cutter is intended for **rotary** drilling only; percussion (hammering action) will damage the tool.

RELTON
CORPORATION



Made in U.S.A.

All prices exclude GST

Goliath Semi-Synthetic Soluble Cutting Fluid (High Performance)

- 1 Litre Bottle** Code = CFWS1L
per bottle or case lots of 12 (Minimum Order 6 bottles)
- 5 Litre Bottle** Code = CFWS5L
per bottle or case lots of 4 (Minimum Order 2 bottles)
- 20 Litre Drum** Code = CFWS20L

GOLIATH
threading tools pty ltd



Relton Rapid Tap All Metal Cutting Fluid

- 4 Ounce Bottle** (118ml) Code = CFRT4OZ
per can or case lots of 24
- 1 Pint Bottle** (473ml) Code = CFRT1PT
per bottle or case lots of 12
- 1 Gallon Bottle** (3.785 litre) Code = CFRT1G
per bottle or case lots of 4
- 5 Gallon Drum** (18.90 litre) Code = CFRT5G

Rapid Tap
All-Metal Cutting Fluid
and Paste



All-Metal Cutting Paste

- 8 Ounce Jar** (236ml) Code = CPRT8OZ
per jar or case lots of 12

Relton A-9 Aluminium Cutting Fluid

- 4 Ounce Bottle** (118ml) Code = CFA94OZ
per bottle or case lots of 24
- 1 Pint Bottle** (473ml) Code = CFA91PT
per bottle or case lots of 12
- 1 Gallon Bottle** (3.785 litre) Code = CFA91G
per bottle or case lots of 4

A-9
Aluminum-Cutting Fluid



Relton STICK-KUT

- 15 Ounce Stick** Code = CFSK15OZ
per stick or case lots of 12

STICK-KUT™
LUBRICATING
STICK WAX



**MSDS Sheets available for download at www.goliath.com.au*

RELTON
CORPORATION



LONG REACH TAPS (MACHINE NUT)

High Speed Steel – Ground Thread

METRIC

%GROUP = TAPS

Size	Price	CODE NUMBER			Overall Length	Length Of Thread
		Taper	Inter	Bottom		
3.0 x 0.5	79.60	L33EH3	L33EJ3	L33EK3	89mm	19mm
4.0 x 0.7	79.60	L35EH3	L35EJ3	L35EK3	102mm	25mm
5.0 x 0.8	107.41	L37EH3	L37EJ3	L37EK3	108mm	32mm
6.0 x 1.0	107.41	L38EH3	L38EJ3	L38EK3	127mm	41mm
8.0 x 1.25	112.75	L40EH3	L40EJ3	L40EK3	140mm	46mm
10 x 1.5	162.40	L42EH3	L42EJ3	L42EK3	152mm	51mm
12 x 1.75	222.83	L44EH3	L44EJ3	L44EK3	178mm	63mm
14 x 2.0	222.83	L45EH3	L45EJ3	L45EK3	190mm	70mm
16 x 2.0	237.46	L46EH3	L46EJ3	L46EK3	203mm	76mm
18 x 2.5	262.28	L47EH3	L47EJ3	L47EK3	216mm	76mm
20 x 2.5	317.06	L48EH3	L48EJ3	L48EK3	229mm	83mm
22 x 2.5	346.33	L49EH3	L49EJ3	L49EK3	254mm	92mm
24 x 3.0	457.73	L50EH3	L50EJ3	L50EK3	254mm	92mm



BSW

Size	TPI	Price	CODE NUMBER			Overall Length	Length Of Thread
			Taper	Inter	Bottom		
1/8	40	86.60	L07AH3	L07AJ3	L07AK3	89mm	19mm
3/16	24	86.60	L09AH3	L09AJ3	L09AK3	108mm	32mm
1/4	20	95.54	L11AH3	L11AJ3	L11AK3	127mm	41mm
5/16	18	103.61	L12AH3	L12AJ3	L12AK3	140mm	46mm
3/8	16	147.55	L13AH3	L13AJ3	L13AK3	152mm	51mm
7/16	14	176.83	L14AH3	L14AJ3	L14AK3	165mm	60mm
1/2	12	204.30	L15AH3	L15AJ3	L15AK3	178mm	63mm
9/16	12	208.24	L16AH3	L16AJ3	L16AK3	190mm	70mm
5/8	11	214.79	L17AH3	L17AJ3	L17AK3	203mm	76mm
3/4	10	241.78	L18AH3	L18AJ3	L18AK3	229mm	83mm
7/8	9	355.05	L19AH3	L19AJ3	L19AK3	254mm	92mm
1"	8	450.51	L20AH3	L20AJ3	L20AK3	279mm	102mm

BSF

Size	TPI	Price	CODE NUMBER			Overall Length	Length Of Thread
			Taper	Inter	Bottom		
3/16	32	95.43	L09BH3	L09BJ3	L09BK3	108mm	32mm
1/4	26	105.62	L11BH3	L11BJ3	L11BK3	127mm	41mm
5/16	22	115.21	L12BH3	L12BJ3	L12BK3	140mm	46mm
3/8	20	155.95	L13BH3	L13BJ3	L13BK3	152mm	51mm
7/16	18	176.83	L14BH3	L14BJ3	L14BK3	165mm	60mm
1/2	16	202.81	L15BH3	L15BJ3	L15BK3	178mm	63mm
3/4	12	253.43	L18BH3	L18BJ3	L18BK3	229mm	83mm

All prices exclude GST

LONG REACH TAPS (MACHINE NUT)

High Speed Steel – Ground Thread

UNC

%GROUP = TAPS

Size	TPI	Price	CODE NUMBER			Overall Length	Length Of Thread
			Taper	Inter	Bottom		
N0.8	32	85.33	L08CH3	L08CJ3	L08CK3	95mm	25mm
N0.10	24	85.33	L09CH3	L09CJ3	L09CK3	108mm	32mm
1/4	20	92.16	L11CH3	L11CJ3	L11CK3	127mm	41mm
5/16	18	98.69	L12CH3	L12CJ3	L12CK3	140mm	46mm
3/8	16	140.58	L13CH3	L13CJ3	L13CK3	152mm	51mm
7/16	14	176.83	L14CH3	L14CJ3	L14CK3	165mm	60mm
1/2	13	193.13	L15CH3	L15CJ3	L15CK3	178mm	63mm
9/16	12	208.24	L16CH3	L16CJ3	L16CK3	190mm	70mm
5/8	11	225.52	L17CH3	L17CJ3	L17CK3	203mm	76mm
3/4	10	253.42	L18CH3	L18CJ3	L18CK3	229mm	83mm
7/8	9	355.05	L19CH3	L19CJ3	L19CK3	254mm	92mm
1"	8	473.06	L20CH3	L20CJ3	L20CK3	279mm	102mm



UNF

Size	TPI	Price	CODE NUMBER			Overall Length	Length Of Thread
			Taper	Inter	Bottom		
1/4	28	96.74	L11DH3	L11DJ3	L11DK3	127mm	32mm
5/16	24	103.62	L12DH3	L12DJ3	L12DK3	140mm	35mm
3/8	24	147.56	L13DH3	L13DJ3	L13DK3	152mm	38mm
7/16	20	176.83	L14DH3	L14DJ3	L14DK3	165mm	44mm
1/2	20	193.14	L15DH3	L15DJ3	L15DK3	178mm	48mm
5/8	18	225.71	L17DH3	L17DJ3	L17DK3	203mm	57mm
3/4	16	253.42	L18DH3	L18DJ3	L18DK3	229mm	63mm
7/8	14	355.05	L19DH3	L19DJ3	L19DK3	254mm	70mm
1"	12	473.06	L20DH3	L20DJ3	L20DK3	279mm	76mm

6 & 7 PIECE BOXED TAP SETS

High Speed Steel – Ground Thread

%GROUP = TAPS

INTER HAND TAPS

HSS

Thread Form	Range	No. of Pieces	Price	Code
Metric Coarse	M3 - M10	6	113.68	ETHP310I
Metric Coarse	M4 - M12	6	135.47	ETHP412I
Metric Coarse	M3 - M12	7	152.79	ETHP312I
Metric Fine	M3 - M10	6	219.23	ETHP310IF
Metric Fine	M4 - M12	6	236.97	ETHP412IF
Metric Fine	M3 - M12	7	279.56	ETHP312IF
BSW	1/8 - 1/2	7	184.36	ETHPW1812I
BSW	1/8 - 1/2	6	152.46	ETHPW1812I6
BSW	1/8 - 3/8	6	140.20	ETHPW1838I
UNC	No. 6 - 1/2	7	152.52	ETHPC612I
UNC	No. 8 - 1/2	6	140.95	ETHPC812I
UNC	No. 6 - 3/8	6	118.23	ETHPC638I
UNF	No. 6 - 1/2	7	168.28	ETHPF612I
UNF	No. 8 - 1/2	6	133.33	ETHPF812I
UNF	No. 6 - 3/8	6	130.21	ETHPF638I

Also available in Taper and Bottom Lead



SPIRAL POINT (GUN)

HSS-CO

Thread Form	Range	No. of Pieces	Price	Code
Metric Coarse	M3 - M10	6	141.39	ETHP310SP
Metric Coarse	M4 - M12	6	172.31	ETHP412SP
Metric Coarse	M3 - M12	7	199.06	ETHP312SP
BSW	1/8 - 1/2	6	207.39	ETHPW1812SP
UNC	No. 8 - 1/2	6	174.77	ETHPC812SP
UNF	No. 8 - 1/2	6	183.68	ETHPF812SP



SPIRAL FLUTE

HSS-CO

Thread Form	Range	No. of Pieces	Price	Code
Metric Coarse	M3 - M10	6	185.80	ETHP310SF
Metric Coarse	M4 - M12	6	223.83	ETHP412SF
Metric Coarse	M3 - M12	7	251.52	ETHP312SF
BSW	1/8 - 1/2	6	241.76	ETHPW1812SF
UNC	No. 8 - 1/2	6	224.23	ETHPC812SF
UNF	No. 8 - 1/2	6	232.64	ETHPF812SF

All prices exclude GST

14, 21 & 28 PIECE BOXED TAP SETS

High Speed Steel – Ground Thread

%GROUP = TAPS

21 PIECE TAP SETS

High Speed Steel - Ground Thread



Thread Form	Price	Code	Taps
Metric	491.79	ETDS01	M3, M4, M5, M6, M8, M10, M12
UNC	540.35	ETDS02	6-32, 10-24, 1/4, 5/16, 3/8, 7/16, 1/2
UNF	597.50	ETDS03	6-40, 10-32, 1/4, 5/16, 3/8, 7/16, 1/2
BSW	582.69	ETDS04	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2
BSF	612.52	ETDS05	3/16, 1/4, 5/16, 3/8, 7/16, 1/2

Each boxed set contains 21 Taps. The sets include a Taper, Inter and Bottom Tap of each of the seven sizes.

28 PIECE TAP AND DRILL SET

High Speed Steel - Ground Thread

Thread Form	Price	Code	Taps	Drills
Metric	542.81	EMDS10	M3, M4, M5, M6, M8, M10, M12	2.5, 3.3, 4.2, 5, 6.8, 8.5, 10.2

Each box contains 21 Taps and 7 Drills. The sets include a Taper, Inter and Bottom Tap of each of the seven Tap sizes, along with the corresponding drills.



14 PIECE SINGLE TAP AND DRILL SETS

High Speed Steel - Ground Thread - Metric Coarse



Available In	Price	Code	Taps	Drills
SP/PT (GUN)	246.23	EMDSX10SP	M3, M4, M5, M6, M8, M10, M12	2.5, 3.3, 4.2, 5, 6.8, 8.5, 10.2
SP/FLT	298.20	EMDSX10SF	M3, M4, M5, M6, M8, M10, M12	2.5, 3.3, 4.2, 5, 6.8, 8.5, 10.2
TAPER	170.11	EMDSX10T	M3, M4, M5, M6, M8, M10, M12	2.5, 3.3, 4.2, 5, 6.8, 8.5, 10.2
INTER	170.11	EMDSX10I	M3, M4, M5, M6, M8, M10, M12	2.5, 3.3, 4.2, 5, 6.8, 8.5, 10.2
BOTTOM	170.11	EMDSX10B	M3, M4, M5, M6, M8, M10, M12	2.5, 3.3, 4.2, 5, 6.8, 8.5, 10.2

Each box contains 7 Taps and 7 Corresponding Drills.

Keep your HSS Taps and corresponding drills in excellent condition and easy reach with these compact, neat combinations for any engineering firm, workshop or handyman.

All prices exclude GST

TAP BOX SETS

High Speed Steel – Ground Thread

%GROUP = T&DKIT

Thread Form	Price	Code	Tap Sizes	Leads Included	Tap Wrenches
BSW					
BSW 1/4-3/4	1094.11	ET1434W	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	T,I,B	No 2, No 3
BSW 1/4-1"	1887.54	ET141W	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	T,I,B	No 2, No 4
BSW 1 1/8 - 2"	4470.22	ET1182W	1 1/8, 1 1/4, 1 3/8, 1 1/2, 1 3/4, 2"	T,B	Not included
BSF					
BSF 1/4-3/4	1292.47	ET1434B	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	T,I,B	No 2, No 3
BSF 1/4-1"	2233.87	ET141B	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	T,I,B	No 2, No 4
UNC					
UNC 1/4-3/4	998.45	ET1434C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	T,I,B	No 2, No 3
UNC 1/4-1"	1795.68	ET141C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	T,I,B	No 2, No 4
UNC 1/4-1 1/2"	2301.77	ET14112C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1 1/4, 1 1/2	T,B	Not included
UNC 1 1/8 - 2"	4312.33	ET1182C	1 1/8, 1 1/4, 1 3/8, 1 1/2, 1 3/4, 2"	T,B	Not included
UNF					
UNF 1/4-3/4	991.47	ET1434F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	T,I,B	No 2, No 3
UNF 1/4 - 1"	1763.46	ET141F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	T,I,B	No 2, No 4
UNF 1/4-1 1/2"	2300.06	ET14112F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1 1/4, 1 1/2	T,B	Not included
UNF 1 1/8 - 2"	4281.11	ET1182F	1 1/8, 1 1/4, 1 3/8, 1 1/2, 1 3/4, 2"	T,B	Not included
METRIC (COARSE, FINE & COMBINATIONS)					
6 - 20mm Coarse	1550.55	ET620C	M6, M7, M8, M9, M10, M12, M14, M16, M18, M20	T,I,B	No 2, No 3
6 - 24mm Coarse	1920.20	ET624C	M6, M8, M10, M12, M14, M16, M20, M22, M24	T,I,B	No 2, No 4
6 - 30mm Coarse	3130.77	ET630C	M6, M8, M10, M12, M14, M16, M20, M22, M24, M27, M30	T,I,B	No 2, No 5
6 - 20mm Fine	1897.76	ET620F	M6x0.75, M8x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M18x1.5, M20x1.5	T,I,B	No 2, No 3
6 - 24mm Coarse & Fine	2983.44	ET624CF	M6, M8, M10, M12, M14, M16, M20, M22, M24, M6x0.75, M8x1.0, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M20x1.5, M22x1.5, M24x2.0	T,B	No 2, No 4
10 - 20mm Coarse & Fine	2079.63	ET10120F	M10, M12, M14, M16, M18, M20, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M18x1.5, M20x1.5	T,B	No 2, No 3
COMBINATIONS					
UNC & UNF 1/4 - 1/2	932.11	ET1412CF	1/4, 5/16, 3/8, 7/16, 1/2	T,I,B	No 2
UNC & UNF 1/4 - 3/4	1796.01	ET1434CF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	T,I,B	No 2, No 3
UNC & UNF 1/4 - 1"	3187.32	ET141CF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	T,I,B	No 2, No 4
Metric 6-12mm C/F, UNC & UNF 1/4 - 1/2	1789.70	ET1412MCF	M6, M8, M10, M12, M10x1.0, M10x1.25, M12x1.25, M12x1.5, 1/4, 5/16, 3/8, 7/16, 1/2	T,I,B	No 2
Metric 6-20mm, UNC & UNF 1/4 - 3/4	1883.26	ET1434MCF	M6, M8, M10, M12, M14, M16, M20, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	T,B	No 2, No 3
Metric 6-24mm, UNC & UNF 1/4 - 1"	2307.76	ET141MCF	M6, M8, M10, M12, M14, M16, M20, M22, M24, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	T,B	No 2, No 4
THE ULTIMATE COMBINATION Metric Coarse & Fine, UNC, UNF, BSP, BSPT, NPT	2963.34	ETULTIM	M6, M8, M10, M12, M14, M16, M10x1.0, M10x1.25, M12x1.25, M12x1.5, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8 UNC & UNF 1/8, 1/4 3/8 NPT, BSPT & BSP(F)	T,B	No 2, No 3
BSP (BSPF, BSPP)					
1/8 - 3/4 BSPF	1430.22	ET1834BSP	1/8, 1/4, 3/8, 1/2, 3/4	T,I,B	No 2, No 5
1/8 - 1" BSPF	1995.64	ET181BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1"	T,I,B	No 2, No 5
1/8 - 1 1/2 BSPF	2589.19	ET18112BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"	T,B	Not included
BSPT					
1/8 - 3/4 BSPT	1510.63	ET1834BSPT	1/8, 1/4, 3/8, 1/2, 3/4	T,B	No 2, No 5
1/8 - 1" BSPT	1911.45	ET181BSPT	1/8, 1/4, 3/8, 1/2, 3/4, 1"	T,B	No 2, No 5
1/8 - 1 1/2 BSPT	2454.91	ET18112BSPT	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"	T,B	Not included
NPT					
1/8 - 3/4 NPT	1505.05	ET1834NPT	1/8, 1/4, 3/8, 1/2, 3/4	T,B	No 2, No 5
1/8 - 1" NPT	1901.74	ETDS181NPT	1/8, 1/4, 3/8, 1/2, 3/4, 1"	T,B	No 2, No 5
1/8 - 1 1/2 NPT	3486.86	ETDS18112NPT	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"	T,B	Not included
BSP / BSPT / NPT COMBINATIONS					
1/8 - 3/4 BSP, BSPT & NPT	2226.59	ET1834PTN	1/8, 1/4, 3/8, 1/2, 3/4	T,B (BSPF) B (BSPT,NPT)	No 2, No 5
1/8 - 1" BSP, BSPT & NPT	3047.17	ET181PTN	1/8, 1/4, 3/8, 1/2, 3/4, 1"	T,B (BSPF) B (BSPT,NPT)	No 2, No 5

*LEADS INCLUDED T=TAPER I=INTER AND B=BOTTOM

All prices exclude GST

All Tap sets are supplied in a quality finished wooden box together with a sturdy industrial grade foam insert.
*Note sets are either ex-stock or made to order at 1 - 2 weeks delivery.

GOLIATH MERCHANDISING PARTS CABINET

60 Draw Capacity

4 Easy Options

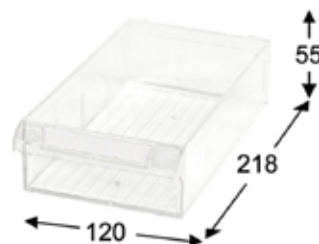
- Small Range
- Ideal Range
- Large Range
- Custom Range - You choose

the stock. Call our office for pricing information.
(minimum required)

Goliaths Tap Stock Cabinet features larger scale draws compared to similar size parts cabinets on the market. Our configuration consists of 4 Rows Wide x 15 Rows High with draw dimensions 120mm Wide x 55mm High x 218mm Deep.

Powder coated steel cabinet construction and ABS High Strength Plastic Draws with dividers.

All Draws are uniquely labelled matching your chosen range including custom designed packages.

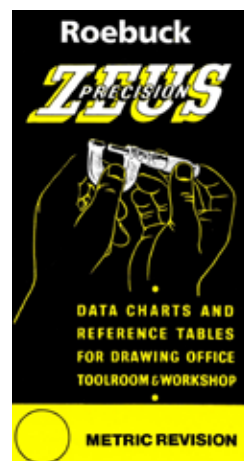


ZEUS PRECISION DATA BOOK

This well known Pocket Data and Reference Book contains a wide array of practical and hard to find information, widely used by toolrooms, workshops, machinists and handymen throughout.

Product Code: ZAZEUS

Thick, Laminated grease-proof pages



TAP & DIE BOX SETS

High Speed Steel – Ground Thread

%GROUP = T&DKIT

Thread Form	Price	Code	Tap and Button Die Sizes	Tap Wrenches	Die Stocks
METRIC (COARSE, FINE & COMBINATIONS)					
2 - 6mm Coarse	774.20	ETDS40	M2, M2.5, M3, M3.5, M4, M5, M6	No 1	13/16
3 - 10mm Coarse	622.21	EPDS310	M3, M4, M5, M6, M8, M10 (PLASTIC BOX THIS SET ONLY)	No 1.5	1"
6 - 12mm Coarse	959.23	ETDS41	M6, M7, M8, M9, M10, M11, M12	No 2	1", 1 1/2
6 - 20mm Coarse	2197.98	ETDS42	M6, M7, M8, M9, M10, M12, M14, M16, M18, M20	No 2, No 4	1", 1.1/2, 2"
6 - 24mm Coarse	2256.52	ETDS44	M6, M8, M10, M12, M14, M16, M20, M22, M24	No 2, No 4	1", 1.1/2, 2"
6 - 30mm Coarse	3509.86	ETDS630C	M6, M8, M10, M12, M14, M16, M20, M22, M24, M27, M30	No 2, No 5	1", 1.1/2, 2"
3 - 7mm Fine	1189.85	ETDS37F	M3x0.35, M3.5x0.5, M4x0.5, M4.5x0.5, M5x0.5, M6x0.75, M7x0.75	No 1	13/16
6 - 14mm Fine	1535.02	ETDS614F	M6x0.75, M8x1.0, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5	No 2	1", 1 1/2
6 - 20mm Fine	2735.56	ETDS620F	M6x0.75, M8x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M18x1.5, M20x1.5	No 2, No 4	1", 1.1/2
6 - 24mm Coarse & Fine	4634.05	ETDS614CF	M6, M8, M10, M12, M14, M16, M20, M22, M24, M6x0.75, M8x1.0, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M20x1.5, M22x1.5, M24x2.0	No 2, No 4	1", 1.1/2, 2"
10 - 20mm Coarse & Fine	3408.86	ETDS1020CF	M10, M12, M14, M16, M18, M20, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M18x1.5, M20x1.5	No 2, No 3	1", 1.1/2
BSW					
BSW 1/4-1/2	755.50	ETDS28	1/4, 5/16, 3/8, 7/16, 1/2	No 2	1"
BSW 1/4-3/4	1401.25	ETDS32	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	No 2, No 3	1", 1.1/2
BSW 1/4-1"	2386.52	ETDS36	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	No 2, No 4	1", 1.1/2, 2"
BSF					
BSF 1/4-1/2	817.42	ETDS29	1/4, 5/16, 3/8, 7/16, 1/2	No 2	1"
BSF 1/4-3/4	1687.61	ETDS33	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	No 2, No 3	1", 1.1/2
BSF 1/4-1"	2710.87	ETDS37	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	No 2, No 4	1", 1.1/2, 2"
UNC					
UNC 2-56 - 10-24	995.83	ETDSGUNC	2-56, 3-48, 4-40, 5-40, 6-32, 8-32, 10-24	No 1	13/16"
UNC 1/4-1/2	714.78	ETDS30	1/4, 5/16, 3/8, 7/16, 1/2	No 2	1"
UNC 1/4-3/4	1431.61	ETDS34	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	No 2 No 3	1", 1.1/2
UNC 1/4-1"	2312.12	ETDS38	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	No 2, No 4	1", 1.1/2, 2"
UNF					
UNF 2-64 - 10-32	995.83	ETDSGUNF	2-64, 3-56, 4-48, 5-44, 6-40, 8-36, 10-32	No 1	13/16"
UNF 1/4-1/2	714.78	ETDS31	1/4, 5/16, 3/8, 7/16, 1/2	No 2	1"
UNF 1/4-3/4	1431.61	ETDS35	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	No 2 No 3	1", 1.1/2
UNF 1/4 - 1"	2315.48	ETDS39	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	No 2, No 4	1", 1.1/2, 2"
BSP (BSPF, BSPP)					
1/8 - 1/2 BSPF	1308.65	ETDS51	1/8, 1/4, 3/8, 1/2	No 2, No 3	1.1/2, 2"
1/8 - 3/4 BSPF	1835.94	ETDS52	1/8, 1/4, 3/8, 1/2, 3/4	No 2, No 5	1.1/2, 2"
1/8 - 1" BSPF	2947.35	ETDS53	1/8, 1/4, 3/8, 1/2, 3/4, 1"	No 3, No 5	1.1/2, 2", 3"
BSPT					
1/8 - 1/2 BSPT	1932.46	ETDS1812BSPT	1/8, 1/4, 3/8, 1/2	No 2, No 3	1.1/2, 2"
1/8 - 3/4 BSPT	2517.79	ETDS1834BSPT	1/8, 1/4, 3/8, 1/2, 3/4	No 2, No 5	1.1/2, 2"
1/8 - 1" BSPT	3767.45	ETDS181BSPT	1/8, 1/4, 3/8, 1/2, 3/4, 1"	No 3, No 5	1.1/2, 2", 3"
NPT					
1/8 - 1/2 NPT	1910.51	ETDS1812NPT	1/8, 1/4, 3/8, 1/2	No 2, No 3	1.1/2, 2"
1/8 - 3/4 NPT	2633.13	ETDS1834NPT	1/8, 1/4, 3/8, 1/2, 3/4	No 2, No 5	1.1/2, 2"
1/8 - 1" NPT	3720.69	ETDS181NPT	1/8, 1/4, 3/8, 1/2, 3/4, 1"	No 3, No 5	1.1/2, 2", 3"
NPS					
1/8 - 1/2 NPS	1939.58	ETDS1812NPS	1/8, 1/4, 3/8, 1/2	No 2, No 3	1.1/2, 2"
1/8 - 3/4 NPS	2805.65	ETDS1834NPS	1/8, 1/4, 3/8, 1/2, 3/4	No 2, No 5	1.1/2, 2"

Each Tap & Die set includes a Taper & Bottom of each size tap with corresponding dies plus Tap Wrenches & Diestocks.

All Tap & Die sets are supplied in a quality finished wooden box (unless stated) together with a sturdy industrial grade foam insert.

*Note sets are either ex-stock or made to order at 1 - 2 weeks delivery.

All prices exclude GST

TAP & DIE BOX SETS

High Speed Steel – Ground Thread

%GROUP = T&DKIT

Thread Form	Price	Code	Tap and Button Die Sizes	Tap Wrenches	Die Stocks
COMBINATIONS					
UNC & UNF 1/4 - 1/2	1368.97	ETDS1412CF	1/4, 5/16, 3/8, 7/16, 1/2	No 2	1"
UNC & UNF 1/4 - 3/4	2498.55	ETDS1434CF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	No 2 No 3	1", 1.1/2
UNC & UNF 1/4 - 1"	3998.52	ETDS141CF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	No 2, No 4	1", 1.1/2, 2"
Metric 6-12mm C/F, UNC & UNF 1/4 - 1/2	2217.33	ETDS1412MCF	M6, M8, M10, M12, M10x1.25, M12x1.5 1/4, 5/16, 3/8, 7/16, 1/2	No 2	1"
Metric 6-20mm, UNC & UNF 1/4 - 3/4	3685.40	ETDS1434MCF	M6, M8, M10, M12, M14, M16, M20, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	No 2 No 3	1", 1.1/2
Metric 6-24mm, UNC & UNF 1/4 - 1"	5989.60	ETDS141MCF	M6, M8, M10, M12, M14, M16, M20, M22, M24 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"	No 2, No 4	1", 1.1/2, 2"
THE ULTIMATE COMBINATION Metric Coarse & Fine, UNC, UNF, BSP, NPT	5154.56	ETDSULT	M6, M8, M10, M12, M16, M10x1.0, M10x1.25, M12x1.25, M12x1.5 1/4, 5/16, 3/8, 7/16, 1/2, 5/8 UNC & UNF 1/8, 1/4 3/8 NPT, BSPT & BSP(F)	No 2, No 4	1", 1.1/2
BA					
BA 0 - 6	646.31	ETDS25	0, 1, 2, 3, 4, 5, 6	No 1	13/16
BA 0 - 8	884.75	ETDS26	0, 1, 2, 3, 4, 5, 6, 7, 8	No 1	13/16
BA 0 - 10	1229.40	ETDS27	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	No 1	13/16



All Tap & Die sets are supplied in a quality finished wooden box together with a sturdy industrial grade foam insert.

*Note sets are either ex-stock or made to order at 1 - 2 weeks delivery.

All prices exclude GST

BUTTON DIE BOX SETS

High Speed Steel

%GROUP = T&DKIT

Thread Form	Price	Code	Button Die Sizes
BSW			
BSW 1/4-3/4	479.88	ED1434W	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
BSW 1/4-1"	710.48	ED141W	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
BSW 1/4-1 1/2"	1357.15	ED14112W	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1 1/4, 1 1/2
BSF			
BSF 1/4-3/4	583.60	ED1434B	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
BSF 1/4-1"	820.20	ED141B	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
UNC			
UNC No 10 - 1/2	289.60	EBDHPUNC	No 10 x 24, 1/4, 5/16, 3/8, 7/16, 1/2 (PLASTIC BOX)
UNC 1/4-3/4	444.89	ED1434C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
UNC 1/4-1"	687.22	ED141C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
UNC 1/4-1 1/2"	1348.67	ED14112C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1 1/4, 1 1/2
UNF			
UNF No 10 - 1/2	289.60	EBDHPUNF	No 10 x 32, 1/4, 5/16, 3/8, 7/16, 1/2 (PLASTIC BOX)
UNF 1/4-3/4	444.89	ED1434F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
UNF 1/4 - 1"	687.22	ED141F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
UNF 1/4-1 1/2"	1348.67	ED14112F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1 1/4, 1 1/2
METRIC (COARSE, FINE & COMBINATIONS)			
3 - 10mm Coarse	265.68	EBDHP310C	M3, M4, M5, M6, M8, M10 (PLASTIC BOX)
4 - 12mm Coarse	265.58	EBDHP412C	M4, M5, M6, M8, M10, M12 (PLASTIC BOX)
6 - 20mm Coarse	722.12	ED620C	M6, M7, M8, M9, M10, M12, M14, M16, M18, M20
6 - 24mm Coarse	745.49	ED624C	M6, M8, M10, M12, M14, M16, M20, M22, M24
6 - 30mm Coarse	1060.79	ED630C	M6, M8, M10, M12, M14, M16, M20, M22, M24, M27, M30
3 - 10mm Fine	561.49	EBDHP310F	M3x0.35, M4x0.5, M5x0.5, M6x0.75, M8x1.0, M10x1.25 (PLASTIC BOX)
6 - 20mm Fine	932.80	ED620F	M6x0.75, M8x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M18x1.5, M20x1.5
6 - 24mm Coarse & Fine	1934.79	ED624CF	M6, M8, M10, M12, M14, M16, M20, M22, M24, M6x0.75, M8x1.0, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M20x1.5, M22x1.5, M24x2.0
10 - 20mm Coarse & Fine	1333.34	ED10120F	M10, M12, M14, M16, M18, M20, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M18x1.5, M20x1.5
COMBINATIONS			
UNC & UNF 1/4 - 3/4	871.29	ED1434CF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
UNC & UNF 1/4 - 1"	1349.32	ED141CF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
Metric 6-12mm, UNC & UNF 1/4 - 1/2	827.90	ED1412MCF	M6, M8, M10, M12, M10x1.25, M12x1.5 1/4, 5/16, 3/8, 7/16, 1/2
Metric 6-20mm, UNC & UNF 1/4 - 3/4	1315.25	ED1434MCF	M6, M8, M10, M12, M14, M16, M20 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
Metric 6-24mm, UNC & UNF 1/4 - 1"	2150.21	ED141MCF	M6, M8, M10, M12, M14, M16, M20, M22, M24 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
THE ULTIMATE COMBINATION Metric Coarse & Fine, UNC, UNF, BSP, NPT	2538.40	EDULTIM	M6, M8, M10, M12, M14, M16, M10x1.0, M10x1.25, M12x1.25, M12x1.5 1/4, 5/16, 3/8, 7/16, 1/2, 5/8 UNC & UNF 1/8, 1/4 3/8 NPT, BSPT & BSP(F)
BSP (BSPF, BSPP)			
1/8 - 1" BSPF	726.18	ED181BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1"
1/8 - 1 1/2 BSPF	1598.23	ED18112BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"
BSPT			
1/8 - 1" BSPT	1208.41	ED181BSPT	1/8, 1/4, 3/8, 1/2, 3/4, 1"
1/8 - 1 1/2 BSPT	2096.21	ED18112BSPT	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"
NPT			
1/8 - 1" NPT	1266.58	ED181NPT	1/8, 1/4, 3/8, 1/2, 3/4, 1"
1/8 - 1 1/2 NPT	2223.17	ED18112NPT	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"
BSP / BSPT / NPT COMBINATIONS			
1/8-3/4 BSP,BSPT & NPT	2254.53	ED1834PTN	1/8, 1/4, 3/8, 1/2, 3/4
1/8-1" BSP,BSPT & NPT	3297.49	ED181PTN	1/8, 1/4, 3/8, 1/2, 3/4, 1"

*Note: Diestocks not supplied with button die sets

All Die sets are supplied in a quality finished wooden box (unless stated) together with a sturdy industrial grade foam insert.

*Note sets are either ex-stock or made to order at 1 - 2 weeks delivery.

All prices exclude GST

DIE NUT BOX SETS

High Speed Steel

%GROUP = T&DKIT

Thread Form	Price	Code	Die Nut Sizes
BSW			
BSW 3/16-1/2	429.80	EDNHPBSW	3/16, 1/4, 5/16, 3/8, 7/16, 1/2 (PLASTIC BOX)
BSW 1/4-3/4	649.61	EDN1434W	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
BSW 1/4-1"	988.42	EDN141W	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
BSW 1/4-1 1/2"	1897.11	EDN14112W	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1 1/4, 1 1/2
BSF			
BSF 1/4-3/4	684.42	EDN1434B	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
BSF 1/4-1"	1074.51	EDN141B	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
UNC			
No 10 - 1/2 UNC	429.80	EDNHPUNC	No 10 x 24, 1/4, 5/16, 3/8, 7/16, 1/2 (PLASTIC BOX)
UNC 1/4-3/4	626.20	EDN1434C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
UNC 1/4-1"	966.12	EDN141C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
UNC 1/4-1 1/2"	1828.22	EDN14112C	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1 1/4, 1 1/2
UNF			
No 10 - 1.2 UNF	429.80	EDNHPUNF	No 10 x 32, 1/4, 5/16, 3/8, 7/16, 1/2 (PLASTIC BOX)
UNF 1/4-3/4	626.20	EDN1434F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
UNF 1/4 - 1"	966.12	EDN141F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
UNF 1/4-1 1/2"	1828.22	EDN14112F	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1", 1 1/4, 1 1/2
METRIC (COARSE, FINE & COMBINATIONS)			
3 - 10mm Coarse	377.67	EDNHP310C	M3, M4, M5, M6, M8, M10 (PLASTIC BOX)
4 - 12mm Coarse	414.72	EDNHP412C	M4, M5, M6, M8, M10, M12 (PLASTIC BOX)
6 - 20mm Coarse	888.44	EDN620C	M6, M7, M8, M9, M10, M12, M14, M16, M18, M20
6 - 24mm Coarse	976.14	EDN624C	M6, M8, M10, M12, M14, M16, M20, M22, M24
6 - 30mm Coarse	1630.01	EDN630C	M6, M8, M10, M12, M14, M16, M20, M22, M24, M27, M30
3 - 10mm Fine	610.61	EDNHP310F	M3x0.35, M4x0.5, M5x0.5, M6x0.75, M8x1.0, M10x1.25 (PLASTIC BOX)
4 - 12mm Fine	610.61	EDNHP412F	M4x0.5, M5x0.5, M6x0.75, M8x1.0, M10x1.25, M12x1.5 (PLASTIC BOX)
6 - 20mm Fine	1250.22	EDN620F	M6x0.75, M8x1.0, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M18x1.5, M20x1.5
6 - 24mm Coarse & Fine	2362.14	EDN624CF	M6, M8, M10, M12, M14, M16, M20, M22, M24, M6x0.75, M8x1.0, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M20x1.5, M22x1.5, M24x2.0
10 - 20mm Coarse & Fine	1575.75	EDN1020CF	M10, M12, M14, M16, M18, M20, M10x1.0, M10x1.25, M12x1.25, M12x1.5, M14x1.5, M16x1.5, M18x1.5, M20x1.5
COMBINATIONS			
UNC & UNF 1/4 - 3/4	1202.66	EDN1434CF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
UNC & UNF 1/4 - 1"	1941.76	EDN141CF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
Metric 6-12mm, UNC & UNF 1/4 - 1/2	1195.11	EDN1412MCF	M6, M8, M10, M12, M10x1.25, M12x1.5 1/4, 5/16, 3/8, 7/16, 1/2
Metric 6-20mm, UNC & UNF 1/4 - 3/4	1777.82	EDN1434MCF	M6, M8, M10, M12, M14, M16, M20 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4
Metric 6-24mm, UNC & UNF 1/4 - 1"	2771.16	EDN141MCF	M6, M8, M10, M12, M14, M16, M20, M22, M24 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"
THE ULTIMATE COMBINATION Metric Coarse & Fine, UNC, UNF, BSP, NPT	2883.46	EDNULTIM	M6, M8, M10, M12, M14, M16, M10x1.0, M10x1.25, M12x1.25, M12x1.5 1/4, 5/16, 3/8, 7/16, 1/2, 5/8 UNC & UNF 1/8, 1/4 3/8 NPT, BSPT & BSP(F)
BSP (BSPF, BSPP)			
1/8 - 1" BSPF	1152.23	EDN181BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1"
1/8 - 1 1/2 BSPF	2300.06	EDN18112BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"
BSPT			
1/8 - 1" BSPT	1392.12	EDN181BSPT	1/8, 1/4, 3/8, 1/2, 3/4, 1"
1/8 - 1 1/2 BSPT	2577.77	EDN18112BSPT	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"
NPT			
1/8 - 1" NPT	1392.12	EDN181NPT	1/8, 1/4, 3/8, 1/2, 3/4, 1"
1/8 - 1 1/2 NPT	2577.77	EDN18112NPT	1/8, 1/4, 3/8, 1/2, 3/4, 1" 1 1/4, 1 1/2"
BSP / BSPT / NPT COMBINATIONS			
1/8-3/4 BSP,BSPT & NPT	2574.44	EDN1834P	1/8, 1/4, 3/8, 1/2, 3/4
1/8-1" BSP,BSPT & NPT	3896.25	EDN181P	1/8, 1/4, 3/8, 1/2, 3/4, 1"

All Die sets are supplied in a quality finished wooden box (unless stated) together with a sturdy industrial grade foam insert.

*Note sets are either ex-stock or made to order at 1 - 2 weeks delivery.

All prices exclude GST

METRIC COARSE

O/D	Diameter	Price	Code
13/16	1.2 x 0.25	66.47	F29XXEA
	1.4 x 0.3	66.47	F29XXXEA
	1.6 x 0.35	66.47	F29EA
	1.7 x 0.35	66.47	F299EA
	2.0 x 0.4	66.47	F30EA
	2.2 x 0.45	66.47	F31EA
	2.3 x 0.4	66.47	F331EA
	2.5 x 0.45	42.01	F32EA
	2.6 x 0.45	42.01	F332EA
	3.0 x 0.5	42.01	F33EA
	3.5 x 0.6	66.47	F34EA
	4.0 x 0.7	42.01	F35EA
	4.5 x 0.75	66.47	F36EA
	5.0 x 0.8	42.01	F37EA
	6.0 x 1.0	42.01	F38EA
	7.0 x 1.0	42.01	F39EA
1"	2.0 x 0.4	66.47	F30EB
	2.5 x 0.45	42.01	F32EB
	3.0 x 0.5	42.01	F33EB
	4.0 x 0.7	42.01	F35EB
	5.0 x 0.8	42.01	F37EB
	6.0 x 1.0	42.01	F38EB
	7.0 x 1.0	49.61	F39EB
	8.0 x 1.25	42.01	F40EB
	9.0 x 1.25	49.61	F41EB
	10 x 1.5	42.01	F42EB
	11 x 1.5	42.01	F43EB
	12 x 1.75	42.01	F44EB
1.1/2	6.0 x 1.0	78.03	F38ED
	8.0 x 1.25	78.03	F40ED
	10 x 1.5	78.03	F42ED
	11 x 1.5	98.50	F43ED
	12 x 1.75	78.03	F44ED
	14 x 2.0	78.03	F45ED
	16 x 2.0	98.50	F46ED
	20 x 2.5	98.50	F48ED
2"	12 x 1.75	99.90	F44EE
	14 x 2.0	99.90	F45EE
	16 x 2.0	99.90	F46EE
	18 x 2.5	99.90	F47EE
	20 x 2.5	99.90	F48EE
	22 x 2.5	126.14	F49EE
	24 x 3.0	126.14	F50EE
	27 x 3.0	161.95	F51EE
	30 x 3.5	161.95	F52EE
2.1/4	27 x 3.0	161.95	F51EF
3"	27 x 3.0	286.21	F51EG
	30 x 3.5	286.21	F52EG
	33 x 3.5	286.21	F53EG
	36 x 4.0	286.21	F54EG
	39 x 4.0	286.21	F55EG
	42 x 4.5	359.27	F56EG
	45 x 4.5	359.27	F57EG
	48 x 5.0	359.27	F58EG

METRIC FINE

%GROUP = DIES

O/D	Diameter	Price	Code
13/16	3.0 x 0.35	89.75	F33XEA
	3.5 x 0.35	89.75	F34XEA
	4.0 x 0.5	89.75	F35XEA
	4.5 x 0.5	89.75	F36XEA
	5.0 x 0.5	89.75	F37XEA
	6.0 x 0.75	89.75	F38XEA
	7.0 x 0.75	89.75	F39XEA
1"	4.0 x 0.5	89.75	F35XEB
	5.0 x 0.5	89.75	F37XEB
	6.0 x 0.5	89.75	F38XXEB
	6.0 x 0.75	89.75	F38XEB
	6.0 x 1.25	89.75	F38XXXEB
	7.0 x 0.75	89.75	F39XEB
	8.0 x 0.75	89.75	F440XEB
	8.0 x 1.0	89.75	F40XEB
	9.0 x 0.75	89.75	F4144XEB
	9.0 x 1.0	89.75	F441XEB
	10 x 0.75	89.75	F442XEB
	10 x 1.0	89.75	F41XEB
	10 x 1.25	89.75	F42XEB
	11 x 1.25	89.75	F434XEB
	12 x 0.5	89.75	F12X0.5
	12 x 0.75	89.75	F12X0.75
1.1/2	10 x 1.0	104.94	F41XED
	10 x 1.25	99.95	F42XED
	11 x 1.0	104.94	F433XED
	12 x 1.0	104.94	F444XED
	12 x 1.25	99.95	F43XED
	12 x 1.5	99.95	F443XED
	14 x 1.0	104.94	F445XED
	14 x 1.25	104.94	F44XED
	14 x 1.5	99.95	F45XED
	15 x 1.5	104.94	F46555XED
	16 x 1.0	99.95	F446XED
	16 x 1.5	99.95	F46XED
	17 x 1.0	104.94	F17X1
	17 x 1.5	104.94	F17X1.5
	18 x 1.0	104.94	F447XED
	18 x 1.25	104.94	F44447XED
	18 x 1.5	104.94	F47XED
	18 x 2.0	104.94	F4447XED
	20 x 1.0	104.94	F4448XED
	20 x 1.25	104.94	F44448XED
	20 x 1.5	99.95	F48XED
	20 x 2.0	104.94	F448XED
2"	20 x 1.5	166.64	F48XEE
	22 x 1.0	174.97	F4449XEE
	22 x 1.5	166.64	F49XEE
	22 x 2.0	174.97	F449XEE
	24 x 1.5	174.97	F550XEE
	24 x 2.0	166.64	F50XEE
	25 x 1.5	166.64	F51XEE
	26 x 1.5	174.97	F5551XEE
	27 x 2.0	174.97	F52XEE
	28 x 1.5	174.97	F5553XEE
	30 x 1.5	174.97	F53XEE
	30 x 2.0	174.97	F55XEE
3"	20 x 1.5	226.80	F48XEG
	25 x 1.5	226.80	F51XEG
	27 x 2.0	341.84	F52XEG
	30 x 1.5	341.84	F53XEG
	30 x 2.0	341.84	F55XEG
	32 x 1.5	226.80	F54XEG
	40 x 1.5	226.80	F565XEG



All prices exclude GST

BSW

O/D	Diam	TPI	Price	Code
13/16	1/16	60	66.60	F05AA
	3/32	48	66.60	F06AA
	1/8	40	49.21	F07AA
	5/32	32	66.60	F08AA
	3/16	24	49.21	F09AA
	7/32	24	66.60	F10AA
	1/4	20	49.21	F11AA
1"	1/4	20	44.20	F11AB
	5/16	18	44.20	F12AB
	3/8	16	44.20	F13AB
	7/16	14	49.21	F14AB
	1/2	12	49.21	F15AB
1.1/2	3/8	16	86.75	F13AD
	7/16	14	86.75	F14AD
	1/2	12	86.75	F15AD
	9/16	12	86.75	F16AD
	5/8	11	86.75	F17AD
	3/4	10	86.75	F18AD
2"	1/2	12	99.95	F15AE
	9/16	12	99.95	F16AE
	5/8	11	99.95	F17AE
	3/4	10	99.95	F18AE
	7/8	9	124.70	F19AE
	1"	8	124.70	F20AE
3"	1.1/8	7	341.84	F21AG
	1.1/4	7	341.84	F22AG
	1.3/8	6	341.84	F122AG
	1.1/2	6	341.84	F23AG

BSF

%GROUP = DIES

O/D	Diam	TPI	Price	Code
1"	1/4	26	55.90	F11BB
	5/16	22	55.90	F12BB
	3/8	20	55.90	F13BB
	7/16	18	63.10	F14BB
	1/2	16	63.10	F15BB
1.1/2	3/8	20	98.59	F13BD
	7/16	18	98.59	F14BD
	1/2	16	98.59	F15BD
	9/16	16	98.59	F16BD
	5/8	14	98.59	F17BD
2"	3/4	12	98.59	F18BD
	1/2	16	130.92	F15BE
	9/16	16	130.93	F16BE
	5/8	14	130.93	F17BE
	3/4	12	130.93	F18BE
3"	7/8	11	130.93	F19BE
	1"	10	130.93	F20BE
	1.1/8	9	341.84	F21BG
	1.1/4	9	341.84	F22BG
	1.1/2	8	341.84	F23BG

BSB (Brass)

O/D	Diam	TPI	Price	Code
1"	1/4	26	55.90	F201MB
	5/16	26	78.13	F202MB
	3/8	26	78.13	F203MB
1.5/16	7/16	26	108.34	F204MC
1.1/2	1/2	26	129.70	F205MD
	5/8	26	129.70	F207MD
	3/4	26	151.56	F208MD
2"	1"	26	221.58	F210ME

BA

O/D	Diameter	Price	Code
13/16"	No. 0	44.23	F65FA
	No. 1	44.23	F66FA
	No. 2	44.23	F67FA
	No. 3	44.23	F68FA
	No. 4	44.23	F69FA
	No. 5	44.23	F70FA
	No. 6	44.23	F71FA
	No. 7	44.23	F72FA
	No. 8	75.64	F73FA
	No. 9	96.62	F74FA
1"	No. 10	96.62	F75FA
	No.0	62.24	F65FB
	No. 1	62.24	F66FB
1"	No. 2	62.24	F67FB



All prices exclude GST

UNC

O/D	Diam	TPI	Price	Code
13/16	No. 1	64	75.17	F02CA
	No. 2	56	75.17	F03CA
	No. 3	48	59.12	F04CA
	No. 4	40	49.21	F05CA
	No. 5	40	49.21	F06CA
	No. 6	32	46.87	F07CA
	No. 8	32	46.87	F08CA
	No. 10	24	46.87	F09CA
	No. 12	24	46.87	F10CA
	1/4	20	46.87	F11CA
1"	No.8	32	53.24	F08CB
	No. 10	24	53.24	F09CB
	No. 12	24	53.24	F10CB
	1/4	20	42.12	F11CB
	5/16	18	42.12	F12CB
	3/8	16	42.12	F13CB
	7/16	14	53.24	F14CB
	1/2	13	53.24	F15CB
1.1/2	1/4	20	77.98	F11CD
	5/16	18	77.98	F12CD
	3/8	16	77.98	F13CD
	7/16	14	77.98	F14CD
	1/2	13	77.98	F15CD
	9/16	12	81.88	F16CD
	5/8	11	96.98	F17CD
	3/4	10	96.98	F18CD
2"	1/2	13	99.90	F15CE
	9/16	12	104.90	F16CE
	5/8	11	99.90	F17CE
	3/4	10	99.90	F18CE
	7/8	9	126.20	F19CE
3"	1"	8	126.20	F20CE
	1.1/8	7	323.57	F21CG
	1.1/4	7	323.57	F22CG
	1.3/8	6	323.57	F122CG
	1.1/2	6	323.57	F23CG
	1.3/4	5	429.72	F24CG
	2"	4 1/2	429.72	F25CG

UNF

%GROUP = DIES

O/D	Diam	TPI	Price	Code
13/16	No. 0	80	84.76	F01DA
	No. 1	72	84.76	F02DA
	No. 2	64	61.71	F03DA
	No. 3	56	49.21	F04DA
	No. 4	48	49.21	F05DA
	No. 5	44	49.21	F06DA
	No. 6	40	46.87	F07DA
	No. 8	36	46.87	F08DA
	No. 10	32	46.87	F09DA
	No. 12	28	46.87	F10DA
	1/4	28	46.87	F11DA
1"	No. 10	32	46.87	F09DB
	1/4	28	42.12	F11DB
	5/16	24	42.12	F12DB
	3/8	24	42.12	F13DB
	7/16	20	53.24	F14DB
	1/2	20	53.24	F15DB
1.1/2	1/4	28	77.98	F11DD
	5/16	24	77.98	F12DD
	3/8	24	77.98	F13DD
	7/16	20	77.98	F14DD
	1/2	20	77.98	F15DD
	9/16	18	77.98	F16DD
	5/8	18	96.98	F17DD
	11/16	16	140.73	F117XDD
	11/16	18	140.73	F17XXDD
	3/4	16	96.98	F18DD
2"	1/2	20	99.90	F15DE
	9/16	18	99.90	F16DE
	5/8	18	99.90	F17DE
	3/4	16	99.90	F18DE
	7/8	14	126.20	F19DE
	1"	12	126.20	F20DE
	1" UNS	14	166.38	F220DE
3"	1.1/8	12	299.16	F21DG
	1.1/4	12	299.16	F22DG
	1.3/8	12	299.16	F122DG
	1.1/2	12	388.87	F23DG
	1.5/8	12	388.87	F123DG
	1.3/4	12	388.87	F24DG
	1.7/8	12	388.87	F124DG
	2"	12	388.87	F25DG

BS Cycle (Equivalent 60° UN)

O/D	Diam	TPI	Price	Code
1"	1/4	26	121.05	F11BSC
	5/16	26	121.05	F12BSC
	3/8	26	121.05	F13BSC
	7/16	26	121.05	F14BSC
	1/2	26	121.05	F15BSC



All prices exclude GST

8 UN

O/D	Diam	TPI	Price	Code
2.1/2"	1.1/8	8	359.74	F821CG
	1.1/4	8	359.74	F822CG
	1.3/8	8	359.74	F8122CG
	1.1/2	8	359.74	F823CG
3"	1.5/8	8	477.22	F8123CG
	1.3/4	8	477.22	F824CG
	1.7/8	8	477.22	F8124CG
	2"	8	477.22	F825CG

NPS

O/D	Diam	TPI	Price	Code
1"	1/16	27	112.53	F80ZKB
1.1/2	1/8	27	135.88	F81ZKD
	1/4	18	135.88	F82ZKD
	3/8	18	135.88	F83ZKD
2"	1/2	14	186.98	F84ZKE
	3/4	14	186.98	F85ZKE
2.1/2"	1"	11.5	282.27	F87ZKE



BSP (BSPF BSPP)

O/D	Diam	TPI	Price	Code
1"	1/8	28	53.89	F81GB
1.1/2	1/8	28	98.59	F81GD
	1/4	19	98.59	F82GD
	3/8	19	98.59	F83GD
	1/2	14	98.59	F84GD
2"	1/8	28	131.54	F81GE
	1/4	19	131.54	F82GE
	3/8	19	131.54	F83GE
	1/2	14	131.54	F84GE
	5/8	14	131.54	F84AGE
	3/4	14	131.54	F85GE
	1"	11	167.24	F87GE
3"	7/8	14	354.31	F86GG
	1"	11	354.31	F87GG
	1.1/4	11	446.64	F88GG
	1.1/2	11	494.15	F89GG

UNEF

%GROUP = DIES

O/D	Diam	TPI	Price	Code
1"	12g	32	84.01	F10XDB
	1/4	32	84.01	F11XDB
	5/16	32	84.01	F12XDB
	3/8	32	84.01	F13XDB
1.1/2	7/16	28	113.16	F14XDD
	1/2	28	113.16	F15XDD
	9/16	24	113.16	F16XDD
	5/8	24	113.16	F17XDD
	3/4	20	113.16	F18XDD
2"	7/8	20	194.25	F19XDE
	1"	20	194.25	F20XDE

NPT

O/D	Diam	TPI	Price	Code
1"	1/16	27	113.16	F80YJB
	1/8	27	113.16	F81YJB
1.1/2	1/8	27	156.70	F81YJD
	1/4	18	156.70	F82YJD
	3/8	18	156.70	F83YJD
2"	1/4	18	188.87	F82YJE
	3/8	18	188.87	F83YJE
	1/2	14	188.87	F84YJE
	3/4	14	188.87	F85YJE
3"	1"	11 1/2	398.74	F87YJG
	1 1/4"	11 1/2	488.38	F88YJG
	1 1/2"	11 1/2	488.38	F89YJG
4"	2"	11 1/2	583.63	F91YJG

BSPT

O/D	Diam	TPI	Price	Code
1"	1/8	28	112.53	F81XHB
1.1/2	1/8	28	156.70	F81XHD
	1/4	19	156.70	F82XHD
	3/8	19	156.70	F83XHD
2"	1/4	19	188.87	F82XHE
	3/8	19	188.87	F83XHE
	1/2	14	188.87	F84XHE
	3/4	14	188.87	F85XHE
3"	1"	11	360.57	F87XHG
	1.1/4	11	423.34	F88XHG
	1.1/2	11	470.77	F89XHG

LEFT HAND BUTTON DIES

High Speed Steel

METRIC COARSE – Left Hand

O/D	Diameter	Price	Code
13/16	3.0 x .5	107.22	F33EAL
	4.0 x .7	107.22	F35EAL
	5.0 x .8	107.22	F37EAL
	6.0 x 1.0	107.22	F38EAL
1"	4.0 x 0.7	120.89	F35EBL
	5.0 x 0.8	120.89	F37EBL
	6.0 x 1.0	120.89	F38EBL
	8.0 x 1.25	120.89	F40EBL
	9.0 x 1.25	120.89	F41EBL
	10 x 1.5	120.89	F42EBL
1.1/2	12 x 1.75	145.04	F44EDL
	14 x 2.0	145.04	F45EDL
	16 x 2.0	145.04	F46EDL
	20 x 2.5	145.04	F48EDL
2"	18 x 2.5	187.34	F47EEL
	20 x 2.5	187.34	F48EEL
	24 x 3	187.34	F50EEL
	27 x 3	187.34	F51EEL
	27 x 2	187.34	F52XEEL

BSW – Left Hand

%GROUP = DIES

O/D	Diam	TPI	Price	Code
1"	1/4	20	119.65	F11ABL
	5/16	18	119.65	F12ABL
	3/8	16	119.65	F13ABL
1.1/2	7/16	14	180.13	F14ADL
	1/2	12	180.13	F15ADL
	9/16	12	180.13	F16ADL
	5/8	11	180.13	F17ADL
2"	5/8	11	225.71	F17AEL
	3/4	10	225.71	F18AEL
	7/8	9	225.71	F19AEL
	1"	8	225.71	F20AEL

METRIC FINE – Left Hand

O/D	Diameter	Price	Code
1"	10 x 1.0	120.89	F41XEEL
	10 x 1.25	120.89	F42XEEL
	12 x 1.0	120.89	F444XEEL
	12 x 1.25	120.89	F43XEEL
	12 x 1.5	120.89	F443XEEL
1.1/2	14 x 1.0	145.04	F445XEDL
	14 x 1.25	135.74	F44XEDL
	14 x 1.5	135.74	F45XEDL
	16 x 1.0	145.04	F446XEDL
	16 x 1.5	135.74	F46XEDL
	18 x 1.5	145.04	F47XEDL
	20 x 1.5	145.04	F48XEDL
	20 x 2.0	145.04	F448XEDL

BSF – Left Hand

O/D	Diam	TPI	Price	Code
1"	1/4	26	119.65	F11BBL
	5/16	22	119.65	F12BBL
	3/8	20	119.65	F13BBL
1.1/2	1/2	16	216.92	F15BDL
	5/8	14	216.92	F17BDL



All prices exclude GST

LEFT HAND BUTTON DIES

High Speed Steel

UNC – Left Hand

O/D	Diam	TPI	Price	Code
13/16	No. 6	32	112.33	F07CAL
	No. 8	32	112.33	F08CAL
1"	No.10	24	112.33	F09CBL
	1/4	20	112.33	F11CBL
	5/16	18	112.33	F12CBL
	3/8	16	112.33	F13CBL
1.1/2	3/8	16	145.06	F13CDL
	7/16	14	168.78	F14CDL
	1/2	13	145.06	F15CDL
	9/16	12	168.78	F16CDL
	5/8	11	145.06	F17CDL
	3/4	10	168.78	F18CDL
2"	5/8	11	187.34	F17CEL
	3/4	10	187.34	F18CEL
	7/8	9	218.18	F19CEL
	1"	8	218.18	F20CEL
2.1/2	1.1/8	7	331.93	F21CFL
	1.1/4	7	331.93	F22CFL

UNF – Left Hand

%GROUP = DIES

O/D	Diam	TPI	Price	Code
1"	No. 10	32	112.33	F10DBL
	1/4	28	112.33	F11DBL
	5/16	24	112.33	F12DBL
	3/8	24	112.33	F13DBL
1.1/2	3/8	24	145.06	F13DDL
	7/16	20	168.78	F14DDL
	1/2	20	145.06	F15DDL
	9/16	18	168.78	F16DDL
	5/8	18	145.06	F17DDL
	3/4	16	145.06	F18DDL
2"	3/4	16	187.34	F18DEL
	7/8	14	218.18	F19DEL
	1"	12	218.18	F20DEL
	1" UNS	14	218.18	F220DEL
2.1/2	1.1/8	12	331.93	F21DFL
	1.1/4	12	331.93	F22DFL



LEFT HAND DIENUTS

High Speed Steel



UNF L/H

Size	Price	Code
5/16	160.69	FH12DJL
3/8	160.69	FH13DJL
1/2	182.74	FH15DJL
5/8	212.29	FH17DJL
3/4	214.33	FH18DJL

METRIC COARSE L/H

Size	Price	Code
4.0 x 0.7	133.83	FH35EJL
5.0 x 0.8	133.83	FH37EJL
6.0 x 1.0	133.83	FH38EJL
8.0 x 1.25	133.83	FH40EJL
10 x 1.5	144.70	FH42EJL
12 x 1.75	152.52	FH44EJL
16 x 2.0	159.58	FH46EJL
20 x 2.5	205.99	FH48EJL
24 x 3.0	223.45	FH50EJL

All prices exclude GST

RIGHT HAND DIENUTS

High Speed Steel

METRIC COARSE

Size	Price	Code
3.0 x 0.5	79.15	FH33EJ
4.0 x 0.7	79.15	FH35EJ
5.0 x 0.8	69.29	FH37EJ
6.0 x 1.0	45.68	FH38EJ
7.0 x 1.0	60.33	FH39EJ
8.0 x 1.25	60.33	FH40EJ
9.0 x 1.25	61.95	FH41EJ
10 x 1.5	67.32	FH42EJ
11 x 1.5	81.20	FH43EJ
12 x 1.75	88.44	FH44EJ
14 x 2.0	97.00	FH45EJ
16 x 2.0	113.17	FH46EJ
18 x 2.5	113.17	FH47EJ
20 x 2.5	129.28	FH48EJ
22 x 2.5	129.28	FH49EJ
24 x 3.0	201.46	FH50EJ
27 x 3.0	274.58	FH51EJ
30 x 3.5	391.77	FH52EJ
33 x 3.5	468.48	FH53EJ
36 x 4.0	501.43	FH54EJ
39 x 4.0	535.94	FH55EJ
42 x 4.5	555.43	FH56EJ
45 x 4.5	594.90	FH57EJ
48 x 5.0	614.51	FH58EJ

METRIC FINE

Size	Price	Code
3.0 x 0.35	98.50	FH33XEJ
4.0 x 0.5	81.95	FH34XEJ
4.5 x 0.5	81.95	FH35XEJ
5.0 x 0.5	81.95	FH37XEJ
6.0 x 0.75	103.02	FH38XEJ
7.0 x 0.75	103.02	FH39XEJ
8.0 x 0.75	103.02	FH40XEJ
8.0 x 1.0	103.02	FH41XEJ
10 x 1.0	104.35	FH42XEJ
10 x 1.25	104.35	FH444XEJ
12 x 1.0	104.35	FH43XEJ
12 x 1.25	124.16	FH44XEJ
12 x 1.5	124.16	FH445XEJ
14 x 1.0	134.76	FH45XEJ
14 x 1.25	134.76	FH445XEJ
14 x 1.5	134.76	FH446XEJ
16 x 1.0	134.76	FH46XEJ
16 x 1.5	134.76	FH447XEJ
18 x 1.0	134.76	FH47XEJ
18 x 1.5	134.76	FH448XEJ
20 x 1.0	214.23	FH48XEJ
20 x 1.5	134.76	FH448XEJ
20 x 2.0	214.23	FH49XEJ
22 x 1.5	191.10	FH50XEJ
24 x 1.5	218.12	FH51XEJ
24 x 2.0	218.12	FH53XEJ
25 x 1.5	218.12	FH55XEJ
30 x 1.5	377.06	FH55XEJ
30 x 2.0	388.40	FH55XEJ
30 x 3.0	388.40	FH54XEJ
32 x 1.5	417.53	FH54XEJ
40 x 1.5	556.11	FH565XEJ



BSW

%GROUP = DIES

Size	TPI	Price	Code
1/8	40	71.91	FH07AJ
3/16	24	71.91	FH09AJ
1/4	20	49.89	FH11AJ
5/16	18	60.10	FH12AJ
3/8	16	70.32	FH13AJ
7/16	14	81.21	FH14AJ
1/2	12	88.19	FH15AJ
9/16	12	109.32	FH16AJ
5/8	11	109.32	FH17AJ
3/4	10	129.05	FH18AJ
7/8	9	150.62	FH19AJ
1"	8	201.46	FH20AJ
1.1/8	7	384.43	FH21AJ
1.1/4	7	396.17	FH22AJ
1.3/8	6	487.58	FH122AJ
1.1/2	6	543.85	FH23AJ
1.3/4	5	607.13	FH24AJ
2"	4.5	649.35	FH25AJ

BSF

Size	TPI	Price	Code
3/16	32	77.79	FH09BJ
1/4	26	53.96	FH11BJ
5/16	22	65.02	FH12BJ
3/8	20	75.95	FH13BJ
7/16	18	89.86	FH14BJ
1/2	16	97.62	FH15BJ
9/16	16	120.97	FH16BJ
5/8	14	120.97	FH17BJ
3/4	12	142.82	FH18BJ
7/8	11	166.73	FH19BJ
1"	10	232.46	FH20BJ
1.1/8	9	394.92	FH21BJ
1.1/4	9	436.71	FH22BJ
1.1/2	8	464.14	FH23BJ

8 UN

Size	Price	Code
1.1/8	380.14	FH821CJ
1.1/4	380.14	FH822CJ
1.3/8	448.05	FH8122CJ
1.1/2	528.73	FH823CJ
1.5/8	558.48	FH8123CJ
1.3/4	556.06	FH824CJ
1.7/8	575.48	FH8124CJ
2"	615.22	FH825CJ

All prices exclude GST

RIGHT HAND DIENUTS

High Speed Steel

UNC

Size	TPI	Price	Code
No.6	32	86.42	FH07CJ
No.8	32	71.91	FH08CJ
No.10	24	71.91	FH09CJ
No.12	24	81.20	FH10CJ
1/4	20	49.94	FH11CJ
5/16	18	60.10	FH12CJ
3/8	16	70.28	FH13CJ
7/16	14	81.20	FH14CJ
1/2	13	88.19	FH15CJ
9/16	12	109.31	FH16CJ
5/8	11	109.31	FH17CJ
3/4	10	129.05	FH18CJ
7/8	9	150.61	FH19CJ
1"	8	201.44	FH20CJ
1.1/8	7	337.30	FH21CJ
1.1/4	7	395.65	FH22CJ
1.3/8	6	452.12	FH122CJ
1.1/2	6	493.96	FH23CJ
1.3/4	5	565.64	FH24CJ
2"	4.5	565.64	FH25CJ

UNF

%GROUP = DIES

Size	TPI	Price	Code
No.10	32	71.91	FH09DJ
1/4	28	49.90	FH11DJ
5/16	24	60.10	FH12DJ
3/8	24	70.28	FH13DJ
7/16	20	81.20	FH14DJ
1/2	20	88.19	FH15DJ
9/16	18	109.31	FH16DJ
5/8	18	109.31	FH17DJ
3/4	16	129.05	FH18DJ
7/8	14	167.15	FH19DJ
1"	12	201.44	FH20DJ
1" UNS	14	222.85	FH220DJ
1.1/8	12	337.30	FH21DJ
1.1/4	12	395.65	FH22DJ
1.3/8	12	452.12	FH122DJ
1.1/2	12	493.96	FH23DJ
1.3/4	12	565.64	FH24DJ
2"	12	646.85	FH25DJ

NPT

Size	TPI	Price	Code
1/8	27	115.27	FH81YJJ
1/4	18	160.35	FH82YJJ
3/8	18	165.81	FH83YJJ
1/2	14	252.18	FH84YJJ
3/4	14	270.31	FH85YJJ
1"	11 1/2	441.18	FH87YJJ
1.1/4	11 1/2	527.79	FH88YJJ
1.1/2	11 1/2	690.89	FH89YJJ
2"	11 1/2	848.23	FH91YJJ

BSPT

Size	TPI	Price	Code
1/8	28	115.27	FH81XHJ
1/4	19	160.35	FH82XHJ
3/8	19	165.81	FH83XHJ
1/2	14	252.18	FH84XHJ
3/4	14	270.31	FH85XHJ
1"	11	441.18	FH87XHJ
1.1/4	11	527.79	FH88XHJ
1.1/2	11	690.89	FH89XHJ
2"	11	848.23	FH91XHJ

BSP

Size	TPI	Price	Code
1/8	28	106.97	FH81GJ
1/4	19	78.40	FH82GJ
3/8	19	109.31	FH83GJ
1/2	14	153.66	FH84GJ
5/8	14	188.90	FH84AGJ
3/4	14	251.61	FH85GJ
1"	11	478.77	FH87GJ
1.1/4	11	602.15	FH88GJ
1.1/2	11	614.85	FH89GJ
2"	11	785.77	FH91GJ

METRIC

+0.3mm OVERSIZE HSS DIENUTS
- To suit Galvanising

Size	Price	Code
10x1.5 +.3mm	104.49	FH42EJ+.3
12x1.75 +.3mm	118.79	FH44EJ+.3
16x2 +.3mm	160.55	FH46EJ+.3
20x2.5 +.3mm	194.12	FH48EJ+.3
24x3 +.3mm	271.07	FH50EJ+.3
30x3.5 +.3mm	433.62	FH52EJ+.3



DIESTOCKS

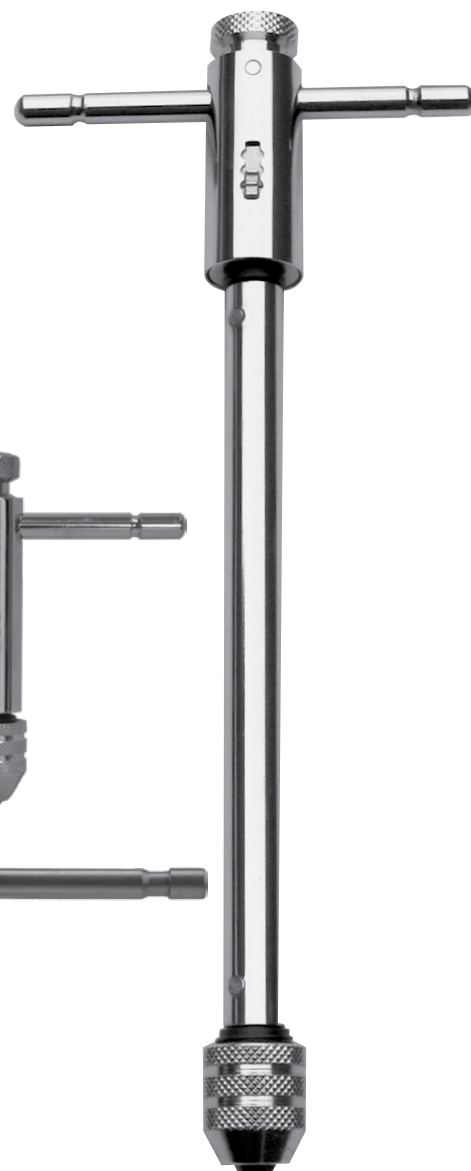
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Size	Price	Code
13/16	27.42	UGOL10
1"	26.24	UGOL11
1.5/16	56.66	UGOL12
1.1/2	59.21	UGOL13
2"	82.65	UGOL14
2.1/4	117.48	UGOL15
2.1/2	213.12	UGOL14.5
3"	236.65	UGOL16
4"	471.88	UGOL17



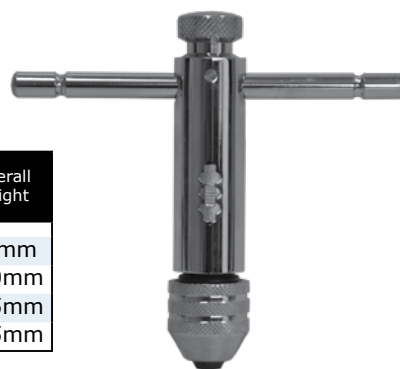
ADJUSTABLE TAP WRENCHES

Goliath Tap Wrench Number	Equivalent Number	Size Range Not Including Pipe Taps	Size Range Pipe Taps	Price	Code	Overall Length
0	0	M1 - M6 1/16 - 1/4		58.37	UGOL00	130mm
1		M1 - M8 1/16 - 5/16	1/8	58.37	UGOL01	175mm
1.5	0	M1 - M12 1/16 - 1/2	1/8	61.80	UGOL1.5	175mm
2	5	M4 - M14 5/32 - 9/16	1/8 - 1/4	61.80	UGOL02	275mm
3	6	M5 - M20 7/32 - 3/4	1/8 - 3/8	99.65	UGOL03	375mm
4	7	M11 - M27 7/16 - 1"	1/8 - 5/8	151.18	UGOL04	460mm
5		M13 - M36 1/2 - 1.3/8	1/4 - 1"	263.40	UGOL05	770mm
6	8	M18 - M45 3/4 - 1.3/4	1/4 - 1.1/4	381.95	UGOL06	875mm
7		M25 - M60 1" - 2.1/2	5/8 - 2"	471.88	UGOL07	990mm



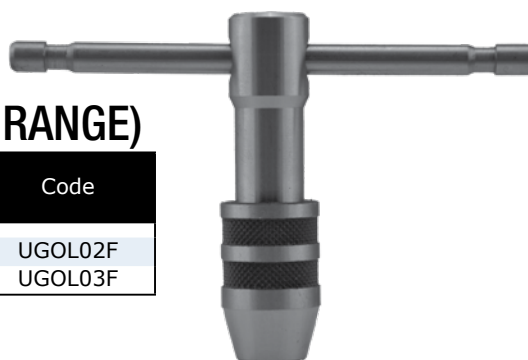
RATCHET TYPE TAP WRENCHES

Size	Price	Range	Code	Overall Height
1/4 Ratchet	53.10	M3 - M8 1/8 - 5/16	UGOL01R	85mm
1/2 Ratchet	69.20	M6 - M12 7/32 - 1/2	UGOL02R	110mm
1/4 Ratchet Long	67.13	M3 - M8 1/8 - 5/16	UGOL10R	245mm
1/2 Ratchet Long	83.68	M6 - M12 7/32 - 1/2	UGOL20R	295mm



FIXED "T" WRENCHES (UPGRADED RANGE)

Size	Price	Range	Code
1/4 "T" TYPE	30.90	M1.6 - M6 1/16 - 1/4	UGOL02F
1/2 "T" TYPE	49.87	M6 - M12 1/4 - 1/2	UGOL03F



All prices exclude GST

DIESTOCKS



Size	Price	Code
1"	29.90	DS1GOL
1.1/2	66.65	DS112GOL
2"	90.19	DS2GOL



ADJUSTABLE TAP WRENCHES

Goliath Tap Wrench Number	Equivalent Number	Size Range Not Including Pipe Taps	Size Range Pipe Taps	Price	Code	Overall Length
0	0	M1 - M6 1/16 - 1/4		67.19	TW0GOL	135mm
1		M3 - M8 1/8 - 5/16	1/8	65.07	TW1GOL	185mm
2		M4 - M12 3/16 - 1/2	1/8 - 1/4	67.76	TW2GOL	285mm
3	6	M5 - M20 1/4 - 3/4	1/8 - 3/8	109.73	TW3GOL	375mm
4	7	M9 - M27 3/8 - 1.1/16	1/8 - 1/2	164.79	TW4GOL	520mm
5		M13 - M33 1/2 - 1.5/16	1/8 - 3/4	304.61	TW5GOL	620mm



RATCHET BAR TAP WRENCH

Size	Price	Range	Code	Overall Height
1/2 Ratchet Bar Tap Wrench	86.42	M5 - M12 7/32 - 1/2	TWR01GOL	310mm



COVENTRY CHASERS

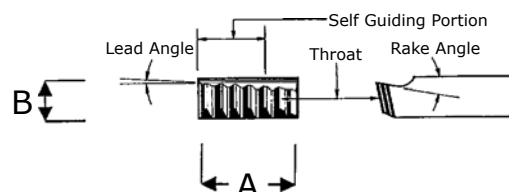
Size Range	Diehead Range
BSW 1/8-1"	1/4, 5/16, 1/2, 3/4, 1", 1.1/4
BSF 3/16 - 1"	1/4, 5/16, 1/2, 3/4, 1", 1.1/4
UNC NO.2 - 1"	1/4, 5/16, 1/2, 3/4, 1", 1.1/4
UNF NO. 2 - 1"	1/4, 5/16, 1/2, 3/4, 1", 1.1/4
METRIC M2 - M30	1/4, 5/16, 1/2, 3/4, 1", 1.1/4
BA NO. 0 - NO 10	1/4, 5/16, 1/2, 3/4
BSB 5/16-1"	5/16, 1/2, 3/4, 1"
BSP 1/8-1"	5/16, 1/2, 3/4, 1", 1.1/4
BSPT 1/8 - 1"	1/2, 3/4, 1", 1.1/4



Coventry Type Chasers

All Chasers are available in "S" Rake. Most sizes **ex stock**.
Certain sizes are available in "AM5" Rake.
Prices on application.

HEAD SIZE MEASUREMENTS		
Head Size	A	B
1/4	5/16 (7.93mm)	5/32 (3.96mm)
5/16	7/16 (11.11mm)	5/32 (3.96mm)
1/2	1/2 (12.70mm)	1/4 (6.35mm)
3/4	3/4 (19.05mm)	5/16 (7.93mm)
1"	7/8 (22.22mm)	3/8 (9.52mm)
1.1/4	1" (25.40mm)	7/16 (11.11mm)
1.1/2	1.1/8 (28.57)	1/2 (12.70mm)



GAUGES Go & No Go

SCREW PLUG GAUGES & SCREW RING GAUGES

All Goliath's Gauges are made from the finest quality steel and are through hardened, stabilised and thread ground under strict quality control procedures ensuring a high quality product for best wear life.
All Gauges are supplied with Calibration Certificates



Single Ended
Plug Gauge



Style E
Plug Gauge



Solid Screw
Ring Gauge



TAP SET



TAP SET PACKAGING



TAP & DRILL SET



TAP & DIE BOXED SET

HANDY PACKS



TAPS

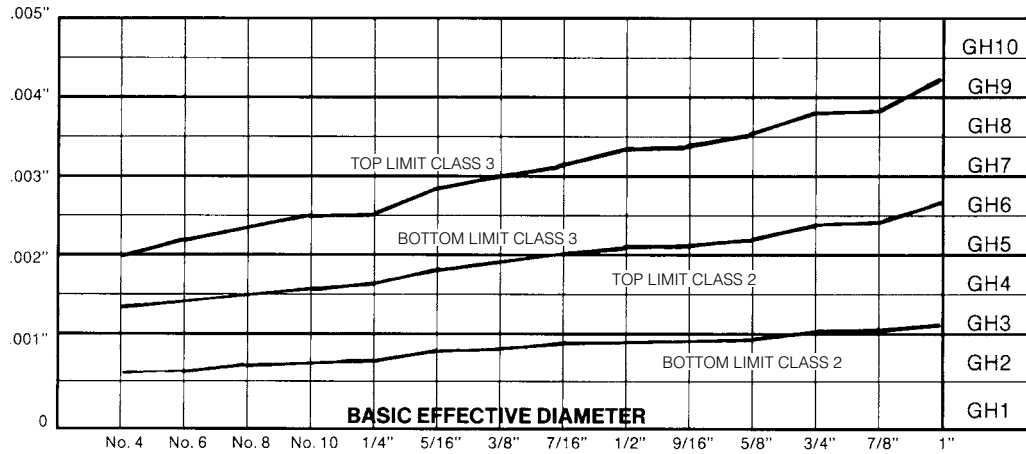


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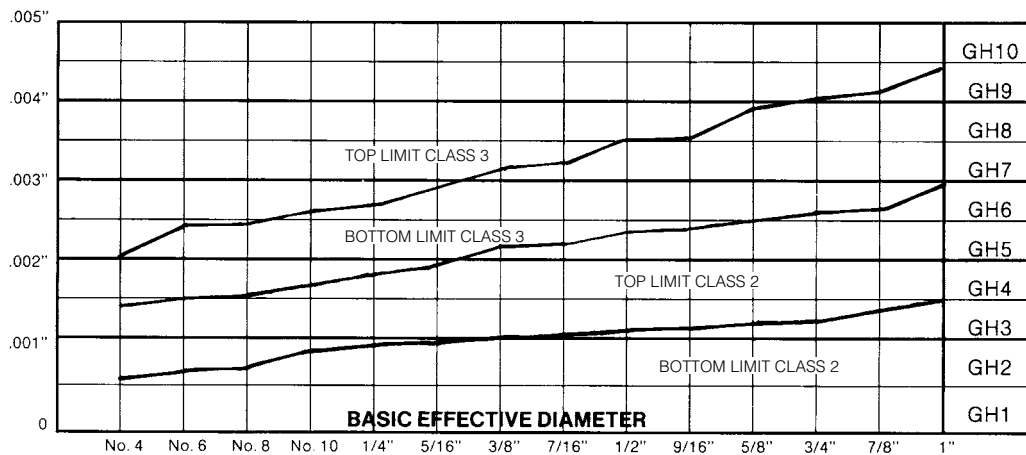


CLASS and TOLERANCE TABLES

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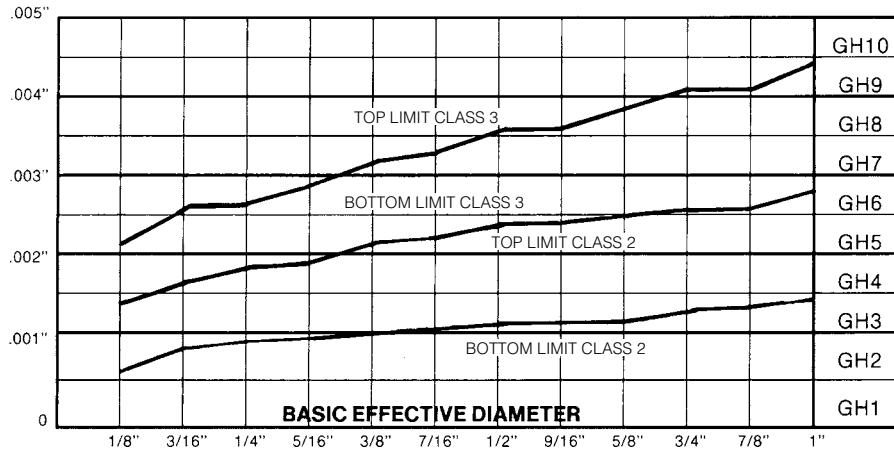


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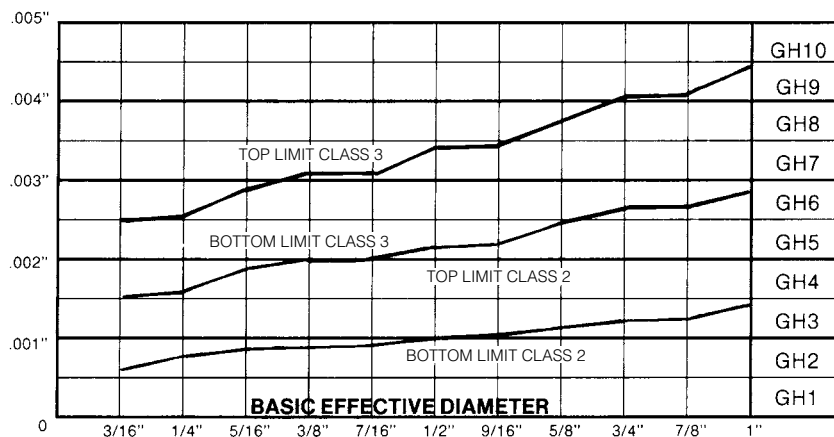


CLASS and TOLERANCE TABLES

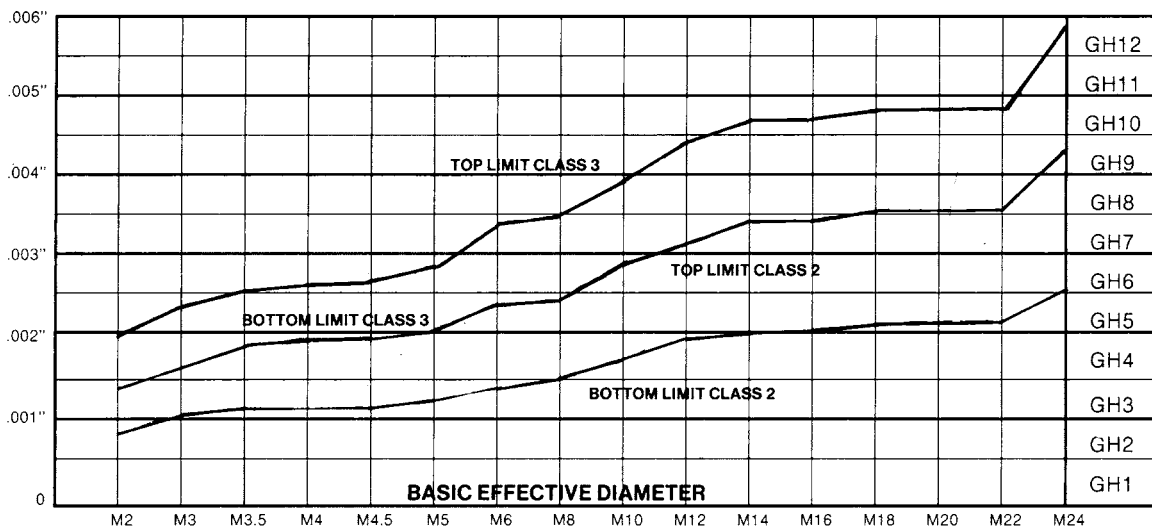
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METRIC (I.S.O.)



MATERIAL	CUTTING SPEED ft. per min		LUBRICANT OR COOLANT
	C.S.	H.S.S.	
Aluminium	30-50	70-90	Soluble oil. Paraffin + Lard oil
Aluminium Alloys	20-30	50-70	Soluble oil. Paraffin + Lard oil
Brass (free cutting)	40-50	80-100	Soluble oil. Paraffin + Lard oil
Brass (wrought)	25-35	60-80	Soluble oil. Paraffin + Lard oil
Bronze (phosphor)		30-40	Soluble oil. Paraffin + Lard oil
Bronze (tin)		40-60	Soluble oil. Paraffin + Lard oil
Bronze (high tensile)		25-35	Soluble oil. Paraffin + Lard oil
Copper	25-35	60-80	Soluble oil. Paraffin + Lard oil
Gun Metal		50-60	Soluble oil. Paraffin + Lard oil
Iron (grey cast)	15-25	30-60	Soluble oil. Air Blast
Iron (malleable)		20-40	Soluble oil. Air Blast
Iron (alloy cast)		15-30	Sulphurized oil
Magnesium alloys	25-35	50-70	Soluble oil. Paraffin + Lard oil
Nimonic alloys		8-12	Extreme Pressure cutting oils
Zinc Base alloys	25-35	50-70	Paraffin
Bakelite and Plastics	25-35	50-70	Air Blast
Steel (mild)	15-25	30-50	Soluble oil. Sulphurized oil
Steel (up to 0.4% carbon)		20-40	Soluble oil. Sulphurized oil
Steel (up to 0.7% carbon)		20-30	Soluble oil. Sulphurized oil
Steel (over 0.7% carbon)		15-25	Soluble oil. Sulphurized oil
Steel alloy (up to 60 T tensile)		15-25	Soluble oil. Sulphurized oil
Steel alloy (60-80 T tensile)		10-15	Soluble oil. Sulphurized oil
Steel (stainless magnetic)		10-20	Sulphurized oil
Steel (stainless non-magnetic)		10-15	Sulphurized oil
Steel (Tool)		15-25	Sulphurized oil

Use slowest speed first, increase if work and conditions permit.

Taper thread taps (B.S.P., Tr., N.P.T. etc.) should run at approximately 50% - 60% of normal speed.

Taps with very coarse pitches such as Square or Acme should be run at 40% - 50% of normal speed.

FAULTS AND CAUSES

CAUSE	FAULT OVERSIZE HOLES BELL MOUTH HOLES	FAULT POOR THREAD FINISH	FAULT CHIPPING OF TAP TEETH	FAULT EXCESSIVE TAP WEAR	FAULT TAP BREAKAGE	FAULT COLD- WELDING
MISALIGNMENT						
LEAD REGROUND ECCENTRIC						
INCORRECT FEED						
INCORRECT TAP						
INCORRECT SHARPENING						
INCORRECT LUBRICANT						
TAP BOTTOMING						
SPEED TOO HIGH						
HOLE WORK HARDENED						
FAULTY MACHINE						
INSUFFICIENT CHIP REMOVAL						
INCORRECT TAP DRILL						
BLUNT TAP						
MATERIAL TOO SOFT						

Correct tapping drill size is important in relation to the torque. For example, when thread percentage is increased from 60% to 80% the torque can be trebled. The use of incorrect lubricant can in some instances almost double the torque. Where possible use standard taps which are available from stock and are cheaper than specials. These factors should be considered regarding wear and economy in the use of taps.

1. Standard Tools

All tools included in this list are classed as standard. Taps are supplied to the general dimensions given in ISO529.

2. Prices

Price set out or referred to herein is a recommended price only and there is no obligation to comply with the recommendation.

3. Non-Standard Sizes and Pitches

Sizes and pitches not listed are subject to special prices which may be obtained on application.

4. Types not Listed

Types of tools not listed are subject to special prices which may be obtained on application.

5. Left Hand Screwing Tools

(a) Ranges of left hand screwing hand taps and circular dies which are standard, are shown as priced items in this list.

(b) Special prices, which vary with the quantity ordered will apply to other left hand tools not included in this list.

6. Thread Tolerances and Oversize Taps

Short machine taps of non-preferred thread serials and unified thread form will be supplied to Z3 tolerances as given in British Standard 949 1969 or any subsequent amendment thereto, at the appropriate list price. Short machine taps of metric thread form will be supplied to class 2 tolerance as given in British Standard 949 1976 or any subsequent and amendment thereto, at the appropriate list price.

Fluteless taps will be supplied to the upper limit of Zone 4 tolerance as given in BS 949 1969. If however, the taps are ordered to specific limits within Z3 or class 2 respectively, special prices will apply.

Nut taps up to and including 1/2" diameter will be supplied to Z3 tolerance as given in British Standard 949 1969 or any subsequent amendment thereto, at the appropriate list price.

Nut taps over 1/2" diameter will be supplied to Z4 tolerance as given in British Standard 949 1969 or any subsequent amendment thereto, at the appropriate list price.

Nut taps outside the limits of tolerance on effective diameter specified in Z3 or Z4 of British Standard 949 1969 or any subsequent amendment thereto, are subject to special prices which may be obtained on application.

Short machine taps ordered to Z1 or Z2 tolerance as given in British Standard 949 1969 or class 1 tolerances given in British Standard 949 1976 or any subsequent amendment thereto, are subject to special prices which may be obtained on application.

7. Number of Flutes

Are as shown in the price list, any variation subject to price on application.

8. Tap Shank

Standard taps are ordered with shank tolerance finer than those given in British Standard 949, 1951/1954 table 20, or table 3 British Standard 949 1969, or tables 3 and 4 British Standard 949 1976, subject to special prices which may be obtained on application.

9. Marking

Taps for standard threads will be marked with the designation applicable to the thread series as given in the headings on each page.

10. Trade Terms

Trade terms are subject to alterations without notice. Details of terms may be obtained on application to your local Branch.

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