🔀 danish**tools**

	Rp (BSP) 5 (cylindrical)			Rc (B _(taper)	BSPT) 5		
Nom.	Thr.	Major	Tap.	Nom	Thr.	Tap.	
dia.	pr. 1"	dia.	drill	dia.	pr. 1"	drill	
1/16	28	7,723	6,50	1/16	28	6,30	
1/6	28	9,728	8,50	1/8	28	8,30	
1/4	19	13,157	11,40	1/4	19	11,50	
3/8 1/2 3/4	19 14 14	16,662 20,955 26,441		3% 1½ 3%	19 14 14	14,70 18,20 23,50	
1	11	33,249	30,20	1	11	29.70	
1¼	11	41,910	38,90	1¼	11	38,50	
1½	11	47,803	44,80	1½	11	44,50	
2	11	59,614	72,20	2	11	56,50	
2½	11	75,184		2½	11	71,50	
3	11	87,884		3	11	84,00	

Pg					80
Nom	Thread	Major	Minor	liameter	Тар.
	pr. 1"	dia.	min.	max.	drill
Pg 7	20	12,5	11,28	11,43	11,40
Pg 9	18	15,2	13,86	14,01	13,90
Pg 11	18	18,6	17,26	17,41	17,30
Pg 13.5	18	20,4	19,06	19,21	19,10
Pg 16	18	22,5	21,16	21,31	21,20
Pg 21	16	28,3	26,78	27,03	26,80
Pg 29	16	37,0	35,48	35,73	35,50
Pg 36	16	47,0	45,48	45.73	45,50
Pg 42	16	54,0	52,48	52,73	52,50
Pg 48	16	59,3	57,78	58,03	57,80

	NPSM/NPSF- 60° Pipe threadtaper				M/NF thre		60 ¢	
Nom.	Nom. Thr.		Tapping drill		Thr.	Tapping drill		
dia.	pr. 1"	NPT	NTF	dia.	pr. 1"	NPSM	NPSF	
1/16 1/8 1/4	27 27 18	6,30 8,50 11,10	6,30 8,40 11,00	1/16 1/4 1/4	27 27 18	9,10 11,90	6,30 8,60 11,20	
3/8 1/2 3/4	18 14 14	14,50 18,00 23,20	14,30 17,80 23,00	3% 1½ 3%	18 14 14	15,50 19,00 24,50	14,70 18,20 23,50	
1 1¼ 1½	11½ 11½ 11½	29,20 38,00 44,00	29,00 37,80 43,80	1 1¼ 1½	11½ 11½ 11½	30,50 39,50 45,50	29,50	
2 2½ 3	11½ 8 8	56,40 67,00 83,00	56,00 66,50 82,50	2 2½ 3	11½ 8 8	57,50 69,00 85,00		

Tap selection

Hand tapping: The hand taps are straight fluted and are in sets of three for coarse threads: first taper, second tap and plug/bottoming tap. For fine threads in sets of two: second taper and plug/bottoming tap.

Machine tapping

Machine tapping taps are made in several designs.

For through holes a spiral point tap (gun nose tap) is preferred, allowing the materiel partials/chips to be forced forward.

For blind holes spiral fluted taps are suitable. Spiral fluted taps are available in three different angles: 15°, 35° and 45°. A general rule is that the more ductile the material and the deeper the hole, the greater the angle.

Taps and dies in standard versions are suited for most materials, but special ground taps and dies are required in some malerials, e.g. soft brass and stainless steel.

In ductile materials a thread forming tap can be used (not preferred for medical, food or aerospace industries). Tap and die holders are subject to preference for forming of threads. The rigid /synchro method is preferred.

Cutting speeds

The most suitable cutting speed is generally found through experience, but cutting speed can be taken from the table below and afterwards corrected. The ideal cutting speed is influenced by many factors. Some of these are: Phone: +45 7027 5727, Fax: +45 3324 5727 E-mail: info@danishtools.com website: www.danishtools.com

- The material
- The length, diameter and pitch of thread
- The type of tap/die
- The lubricant/coolant quality and quantity
- · The tap drill diameter

Also the condition and type of the machine being used is an essential factor. It is therefore important to follow the specific machine instructions. Especially when CNC programming using tension compression it is important to follow the manufacturers recommendation.

Coolant/lubricant conditions

Correct cooling/lubricant will result in a prolonged life of the tap/die and a better result in thread quality.

The cutting speed depends also upon the temperature of the cutting edge. It is therefore essential to use plenty of lubricant/ coolant. Coolant with low EP additives demands lower range of cutting speeds. Grease is less suitable.

Inspection of the thread

For inspection of threads, thread gauges are used: Go / No Go plug gauges to verify internal thread and Go / No Go thread ring gauges to verify external thread. When using thread gauges pitch diameters, pitch error and thread angles to a certain degree are verified. Please note that the other errors may still occur e.g. errors in thread shapes and angle.

Tap drill non listed

For non listed metric (M) sizes and UN, the tap drill size can be easily found: Major thread diameter minus pitch equals drill diameter. For forming threads (roll taps): tap drill size is found by subtracting half the pitch from the major diameter.

The larger the drilled hole, the easier the cutling of the thread will be, thereby prolonging the life of the tap.

Material	M.P.M
Aluminium, long chip	25-45
Aluminium, short chip	15-25
Brass, long chip	20-25
Brass, short chip	15-20
Copper, long chip	20-25
Copper, short chip	12-15
Cast iron, grey	10-15
Cast iron, malleable	15-25
Steel, 50 Ion	12-16
Steel, 50-70	6-10
Steel, 70+	3-5
Stainless steel, free cutting	10-15
Stainless steel, austenitic	4-8
Stainless steel, ferrilic <850	4-8
Stainless steel, ferrilic >850	3-5
Zinç	20-25
Plastic, Ihermoplastic	20-30
Plastic, duroplastic	10-15

Ν	lomina	ù						Rpm.					
BSP	Inch	mm		When cutting speed V (m/min.) from table is:									
1	I.	1	4	6	8	10	12	15	20	25	30	45	50
	1/6	3	420	636	850	1060	1270	1590	2120	2750	3180	4770	5300
	5/32	4	320	478	638	800	955	1195	1600	2000	2390	3585	3980
	3/16	5	260	382	510	635	764	955	1270	1590	1910	2865	3180
	1/4	6	212	318	425	535	636	800	1070	1335	1600	2400	2650
	5/16	8	160	240	318	400	478	600	800	1000	1200	1800	1990
1/8	3/8	10	128	190	255	320	382	480	640	800	960	1440	1590
1/4	1/2	12	105	158	212	265	318	400	530	665	800	1200	1325
	%6	14	90	135	182	230	274	340	460	570	680	1020	1140
3%	5/8	16	80	120	160	200	240	300	400	500	600	900	990
		18	72	106	142	175	212	265	350	430	530	795	885
1/2	3/4 7/8	20	64	96	128	160	190	240	320	400	480	720	795
5%	7/8	22	60	88	116	145	174	220	290	365	440	660	720
		24	52	80	106	134	160	200	268	335	400	600	665
3/4	1	26	48	74	98	124	146	185	248	310	370	555	612
	1 1/8	28	46	68	90	114	138	170	228	285	340	510	570
		30	44	64	85	106	128	160	212	270	320	480	530
1	11/4	32	40	60	80	100	120	150	200	250	300	450	500
	1 3/8	35	36	54	72	90	110	135	180	225	270	405	450
11/4	11/2	40	32	48	64	80	96	120	160	200	240	360	397
11/2	13/4	45	28	42	56	70	85	105	140	175	210	315	350
	2	50	26	38	50	64	76	95	128	160	190	285	320

Thread Cutting Tools Since 1898

CANISH**TOOLS**

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	E-mail: info@danishtools.c	con
	website: www.danishtools.o	con

2 B max.

Minor diameter

2 B min. **60**°

Tapping drill

Cut- Forting ming

UNC - Unified screw thread

Thr. pr. 1"

Nom. dia. Major dia. mm

Metric	ISO th	read			60 °
Nominal	Pitch	Minor d	iameter	Тарри	g drill
diameter	mm	6 H min.	6 H max	Cut- ting	For- ming
M 1	0,25	0,729	0,785	0.75	0.90
M 1,1	0,25	0,829	0,885	0,85	1,00
M 1.2	0,25	0,929	0,985	0,95	1,10
M 1.4	0,3	1,075	1,160	1,10	1,25
M 1.6	0,35	1,221	1,321	1,25	1,45
M 1.8	0,35	1,421	1,521	1,45	1,65
M 2	0.4	1,567	1,679	1,60	1,80
M 2,2	0.45	1,713	1,838	1,75	2,00
M (2,3)	0.4	1,867	1,979	1,90	2,10
M 2,5	0,45	2,013	2,138	2,05	2,30
M (2,6)	0,45	2,113	2,238	2,20	2,40
M 3	0,5	2,459	2,599	2,50	2,80
M 3,5	0,6	2,850	3,010	2,90	3,20
M 4	0,7	3,242	3,422	3,30	3,70
M 4,5	0,75	3,688	3,878	3,75	4,20
M 5	0,8	4,134	4,334	4,20	4,60
M 6	1,0	4,917	5,153	5,00	5,50
M 7	1,0	5,917	6,153	6,00	6,50
M 8	1,25	6,647	6,912	6,80	7,40
M 9	1,25	7,647	7,912	7,80	8,40
M 10	1,5	8,376	8,676	8,50	9,30
M 11	1,5	9,376	9,676	9,50	10,30
M 12	1.75	10,106	10,441	10,25	11,20
M 14	2,0	11,835	12,210	12,00	13,00
M 16	2,0	13,835	14,210	14,00	15,00
M 18	2,5	15,294	15,744	15,50	16,80
M 20	2,5	17,294	17,744	17.50	18,80
M 22	2,5	19,294	19,744	19,50	20,80
M 24	3,0	20,752	21,252	21.00	22,50
M 27	3,0	23,752	24,252	24,00	25,50
M 30	3.5	26,211	26,771	26,50	
M 33	3,5	29,211	29,771	29,50	
M 36	4,0	31,670	32,270	32,00	
M 39	4,0	34,670	35,270	35,00	
M 42	4,5	37,129	37,799	37.50	
M 45	4,5	40,129	40,799	40,50	
M 48	5,0	42,587	43,297	43.00	
M 52	5.0	46,587	47,297	47.00	
M 56	5.5	50,046	50,796	50,50	
M 60	5.5	54,046	54,796	54,50	
M 64	6.0	57,505	58,305	58,00	
M 68	6.0	61,505	62,305	62,00	

Metric	fine th	read			60 °
Nominal	Pitch	Minor d	iameter	Tappin	g drill
diameter	mm	6 H min.	6 H max.	Cut- ting	For- ming
M 3 M 4 M 5	0,35 0,5 0,5	2,621 3,459 4,459	2,677 3,599 4,599	2,65 3,50 4,50	2,83 3,75 4,75
M 6 M 7 M 8 M 8	0,75 0,75 0,75 1,0	5,189 6,189 7,189 6,918	5,379 6,379 7,379 7,154	5,25 6,25 7,25 7,00	5,63 6,63 7,63 7,50
M 9 M 10 M 10 M 10 M 10	1.0 0,75 1,0 1,25	7,918 9,189 8,918 8,648	8,154 9,379 9,154 8,913	8,00 9,25 9,00 8,75	8,50 9,63 9,50 9,38
M 11 M 12 M 12 M 12 M 12	1,0 1,0 1,25 1,5	9,918 10,918 10,648 10,377	10,154 11,154 10,913 10,677	10,00 11,00 10,75 10,50	10,50 11,50 11,38 11,25
M 13 M 14 M 14 M 14 M 14	1.0 1.0 1,25 1,5	11,918 12,918 12,648 12,377	12,154 13,154 12,913 12,677	12,00 13,00 12,75 12,50	12,50 13,50 13,38 13,25
M 15 M 15 M 16 M 16	1.0 1,5 1,0 1,5	13,918 13,377 14,918 14,377	14,154 13,677 15,154 14,677	14,00 13,50 15,00 14,50	14,50 14,25 15,50 15,25
M 17 M 18 M 18 M 18 M 18	1,0 1,0 1,5 2,0	15,918 16,918 16,377 15,836	16,154 17,154 16,677 16,211	16.00 17,00 16,50 16,00	16,50 17,50 17,25 17,00
M 20 M 20 M 20 M 20 M 22	1,0 1,5 2,0 1,0	18,918 18,377 17,836 20,918	19,154 18,677 18,211 21,154	19,00 18,50 18,00 21,00	19,50 19,25 19,00 21,50
M 22 M 22 M 24 M 24	1,5 2,0 1,0 1,5	20,377 19,836 22,918 22,377	20,677 20,211 23,154 22,677	20,50 20,00 23,00 22,50	21,25 21,00 23,50 23,25
M 24 M 25 M 25 M 26	2,0 1,0 1,5 1,5	21,836 23,918 23,377 24,377	22,211 24,154 23,677 24,677	22,00 24,00 23,50 24,50	23.00 24,50 24,25 25,25

		v.cecture	min.	max.	ting	ming
No. 1 No. 2	64 56	1,854 2,184	1,425 1,694	1,582 1,872	1,55 1,85	1,96
No. 3 No. 4 No. 5	48 40 40	2,515 2,845 3,175	1,941 2,156 2,487	2,146 2,385 2,697	2,10 2,35 2,65	2,25 2,50 2,85
No. 6 No. 8 No. 10	32 32 24	3,505 4,166 4,826	2,642 3,302 3,683	2,896 3,531 3,962	2,85 3,50 3,90	3,10 3,80 4,30
No. 12 1/4 5/16	24 20 18	5,486 6,350 7,938	4,343 4,976 6,411	4,597 5,268 6,734	4,50 5,10 6,60	5,00 5,70 7,20
3% 7/16 1/2	16 14 13	9,525 11,112 12,700	7,805 9,149 10,584	8,164 9,550 11,013	8,00 9,40 10,80	8,70 10,20 11,70
%6 % 34	12 11 10	14,288 15,875 19,050	11,996 13,376 16,299	12,456 13,868 16,833	12,20 13,50 16,50	13,30 14,80
7/6 1 1 1/8	9 8 7	22,225 25,400 28,576	19,169 21,693 24,648	19,748 22,598 25,349	19,50 22,25 25,00	
1¼ 1% 1½	7 6 6	31,750 34,925 38,100	27,823 30,343 33,518	28,524 31,120 34,295	28,00 30,75 34,00	
1¾ 2	5 4½ 4½	44,450 50,800 57,150	38,951 44,689 51,028	39,814 45,598 51,943	39,50 45,00 51,50	1
21/4		The second second	50.047	57,582	57,00	a serie ou
21/2	4 4 4	63,500 69,850 76,200	56,617 62,967 69,317	63,932 70,282	63,50 70,00	
2½ 2¾ 3	4 4	69,850	62,967 69,317	63,932 70,282	63,50	60°
2½ 2¾ 3 UNF	4 4 - Unif	69,850 76,200 fied inch Major	62,967 69,317 SCREW	63,932 70,282	63,50 70,00	60° ng drill
2½ 2¾ 3	4 4	69,850 76,200	62,967 69,317 SCREW	63,932 70,282 trhead	63,50 70,00	
2½ 2¾ 3 UNF	4 4 - Unit	69,850 76,200 Tied inch Major dia.	62,967 69,317 SCREW Minor d 2 B	63,932 70,282 trhead	63,50 70,00 Tappir Cut-	ng drill For-
2½ 2¾ 3 UNF dia No. 0 No. 1 No. 2 No. 3 No. 4 No. 5 No. 6	4 4 7 Thr. pr. 1" 80 72 64 56 48 48 44 40	69,850 76,200 Tied inch Major dia. mm 1,524 1,854 2,184 2,515 2,845 3,175 3,505	62,967 69,317 SCrew Minor d 2 B min. 1,181 1,473 1,755 2,024 2,271 2,550 2,819	63,932 70,282 trhead mameter 2 B max. 1,306 1,613 1,913 2,197 2,459 2,741 3,023	63,50 70,00 Tappir Cut- ting 1,25 1,55 1,90 2,15 2,40 2,70 2,95	ng drill For- ming 2,00 2,30 2,60 2,90 3,20
UNF Nom. dia. No. 0 No. 1 No. 2 No. 3 No. 4 No. 5 No. 6 No. 8 No. 10 No. 12 Va	4 4 7 Thr. pr. 1" 80 72 64 56 48 44 40 36 32 28 28	69,850 76,200 Fied inch Major dia. mm 1,524 1,854 2,184 2,515 2,845 3,505 4,166 4,826 6,350	62,967 69,317 SCREW Minor d 2 B min. 1,181 1,473 1,755 2,024 2,271 2,550 2,819 3,404 3,972 4,496 5,367	63,932 70,282 trhead iameter 2 B max. 1,306 1,613 1,913 2,197 2,459 2,741 3,023 3,607 4,166 4,724 5,580	63,50 70,00 Tappin Cut- ting 1,25 1,55 1,90 2,15 2,40 2,70 2,95 3,50 4,10 4,70 5,50	ng drill For- ming 2,00 2,30 2,60 2,90 3,20 3,20 3,80 4,40 5,10 5,90
2½ 2% 3 UNF dia No. 0 No. 1 No. 2 No. 3 No. 4 No. 5 No. 6 No. 8 No. 10 No. 12 % 5% % 6	4 4 7 7 9 7 2 6 4 5 6 4 5 6 4 5 6 4 3 2 2 8 2 8 2 8 2 8 2 8 2 2 8 2 2 8 2 2 8 2 4 2 0	69,850 76,200 76,200 76,200 76,200 7,000 7,524 7,154 7,155 7	62,967 69,317 SCreW Minor d 2 B min. 1,181 1,473 1,755 2,024 2,271 2,550 2,819 3,404 3,9°2 4,496 5,367 6,792 8,379 9,738	63,932 70,282 trhead ameter 2 B max. 1,306 1,613 1,913 2,197 2,459 2,741 3,023 3,607 4,166 4,724 4,5580 7,038 8,626 10,030	63,50 70,00 Tappin Cut- ting 1,25 1,55 1,50 2,40 2,70 2,95 3,50 4,10 4,70 5,50 6,90 8,50 9,90	ng drill For- ming 2,00 2,30 2,60 2,90 3,20 3,80 4,40 5,10 5,90 7,40 9,00 10,50
2½ 2% 3 UNF No.0 No.1 No.2 No.3 No.4 No.5 No.6 No.8 No.10 No.12 % % %	4 4 4 7 7 9 7 2 6 4 5 6 4 8 5 6 4 8 4 4 4 0 3 6 3 2 8 28 28 28 28 28 24 20 20 20 18 18	69,850 76,200 76,200 76,200 76,200 76,200 7,524 7,1557	62,967 69,317 SCreW Minor d 2 B min. 1,181 1,473 1,755 2,024 2,271 2,550 2,819 3,404 3,9°2 4,496 5,367 6,792 8,379 9,738 11,326 12,761 14,348	63,932 70,282 70,282 trhead max. 1,306 1,613 1,913 2,197 2,459 2,741 3,023 3,607 4,166 4,724 5,580 7,038 8,626 8,626 8,626 10,030 11,618 13,084 14,671	63,50 70,00 Tappin Cut- ting 1,25 1,55 1,55 1,90 2,15 2,40 2,795 3,550 4,10 4,70 5,50 6,90 8,50 9,90 11,50 12,90	ng drill For- ming 2,00 2,30 2,60 2,90 3,20 3,80 4,40 5,10 5,90 7,40
2½ 2% 3 UNF No. 0 No. 1 No. 2 No. 3 No. 4 No. 5 No. 6 No. 10 No. 12 % 5 % 6 % % 6 % % 6 % %	4 4 4 7 Thr. pr. 1" 80 72 64 56 48 44 40 36 32 28 28 28 28 28 24 20 18	69,850 76,200 76,200 76,200 76,200 1,524 1,854 2,184 2,515 2,845 3,175 3,505 4,166 4,826 6,350 7,938 9,525 11,112 12,700 14,288	62,967 69,317 Screw Minor d 2 B min. 1,181 1,473 1,755 2,024 2,271 2,500 2,819 3,404 3,9°2 2,819 3,404 3,9°2 8,367 9,738 11,326 6,792 8,379 9,738	63,932 70,282 70,282 trhead max. 1,306 1,613 1,913 2,197 2,459 2,741 3,023 3,607 4,166 4,724 5,580 7,038 8,626 10,030 11,618 8,626	63,50 70,00 Tappin Cut- ting 1,25 1,55 1,55 1,55 1,55 1,55 2,40 2,15 2,40 2,70 2,95 3,50 4,10 4,70 5,50 6,90 8,50 9,950 11,50 12,90	ng drill For- ming 2,00 2,30 2,60 2,30 3,20 3,20 3,20 3,80 4,40 5,10 5,10 5,10 5,10 5,10 5,10 5,10 10,50 12,10 13,70

UNEF - Unified inch screw trhead

Nom	Thr.	Major	Minor d	lameter	Tappir	ng drill
	pr. 1"	dia. mm	2 B min.	2 B max.	Cut- ting	For- ming
No. 12	32	5,486	4,623	4,826	4,80	5,10
1/4	32	6,350	5,486	5,690	5,60	6,00
5/16	32	7,938	7,087	7;264	7,20	7,60
3/8	32	9,525	8,661	8,865	8,80	9,20
1/16	28	11,112	10,134	10,338	10,30	10,70
1/2	28	12,700	11,709	11,938	11,80	12,30
%6	24	14,288	13,132	13,386	13,30	13,80
5%	24	15,875	14,732	14,986	15,00	15,40
11/16	24	17,462	16,307	16,561	16,50	17,00
3/4	20	19.050	17,678	17,958	18,00	18,50
13/16	20	20,638	19,253	19,558	19,50	
7/8	20	22,225	20,853	21,133	21,00	and the second
1	20	25,400	24,028	24,308	24,30	R - Ar
1%6	18	26,988	25,451	25,781	25,70	
1%	18	28,576	27,051	27,381	27,20	
11/4	18	31,750	30,226	30,556	30,50	
13/8	18	34,925	33,401	33,731	33,50	
11/2	18	38,100	36,576	36,881	36,80	

60°

		100		
G	BSP.F) ISO p	ipe thread	55°

Nom	Thread	Major	Minor d	iameter	Tappir	ng drill
dia	pr. 1"	dia.	min.	max.	Cut- ling	For- ming
1/16	28	7,723	6,561	6,843	6,70	7,40
	28	9,728	8,566	8,848	8,70	9,40
1/8 1/4	19	13,157	11,445	11,890	11,75	12,60
3/6	19	16,662	14,950	15,395	15,25	16,00
1/2	14	20,955	18,631	19,172	19,00	20,20
5%	14	22,911	20,587	21,128	21,00	22,10
3/4	14	26,441	24,117	24,658	24,50	25,70
7/8	14	30,201	27,877	28,418	28,30	29,40
1	11	33,249	30,291	30,931	30,50	32,30
11/2	11	37,897	34,939	35,579	35,50	
11/4	11	41,910	38,952	39,592	39,50	
1%	11	44,323	41,365	42,005	41,50	
1%	11	47,803	44,845	45,485	45,00	and the second second second
13/4	11	53,746	50,788	51,428	51,00	
2	11	59,614	56,656	57,296	57,00	
21/4	11	65,710	62,752	63,392	63,00	
21/2	11	75,184	72,226	72,866	72,50	
23/4	11	81,534	78,576	79,216	79,00	
3	11	87.884	84,926	85,566	85,50	

Nom. dia.	Pilch mm	Minor diameter		Tapping
		min.	max.	drill
Tr. 8	1,5	6,500	6,690	6.60
Tr. 10	2	8,000	8,236	8,20
Tr. 10	3	7,000	7,315	7,30
Tr. 12	3	9,000	9,315	9,30
Tr. 14	3	11,000	11,315	11,30
Tr. 14	4	10,000	10,375	10,30
Tr. 16	4	12,000	12,375	12,30
Tr. 18	4	14,000	14,375	14,30
Tr. 20	4	16,000	16,375	16,30
Tr. 22	5	17,000	17,450	17,40
Tr. 24	5	19,000	19,450	19,40
Tr. 26	5	21,000	21,450	21,40
Tr. 28	5	23,000	23,450	23,40
Tr. 30	6	24,000	24,500	24,40
Tr 32	6	26,000	26.500	26,40
Tr 36	6	30,000	30.500	30,40
Tr 40	7	33,000	33.560	33,40

M EG (I	lelicoil)		60 °	
Nominal diameter	Pilch	Tapping	Major	
	mm	drill	diameter	
M 5	0,8	5,2	6,04	
M 6	1,0	6,3	7,30	
M8	1,25	8,4	9,62	
M 8x1	1,0	8,3	9,30	
M 10	1,5	10,50	11,95	
M 12	1,75	12,50	14,27	
M 12x1,5	1,5	12,50	13,95	

BSW/BSF - (Whiteworth) Brutish inch thread	55°

Nom.	Thr.	Major	Tapping drill	
dia	pr. 1"	dia.	Cutting	Forming
BSW				
1/16	60	1,588	1,20	
3/32	48	2,381	1,90	
1/4	40	3,175	2,60	2,80
5/32	32	3,969	3,20	3,50
3/16	24	4,762	3,80	4,10
7/32	24	5,556	4,60	4,90
1/4	20	6.350	5.20	5,60
5/16	18	7.938	6,60	7,10
3/8	16	9,525	8,00	8,60
7/16	14	11,112	9.40	10,00
1/2	12	12,700	10,50	11,50
%6	12	14,288	12,00	13,00
5/8	11	15,875	13,50	14,50
3/4	10	19,050	16,50	17,50
1/8	9	22,225	19,50	20,60
1	8	25,400	22,50	
1%	777	28,575	25,00	
11/4	7	31,750	28,00	
1%	6	34,925	31,00	
11/2	6	38,100	34,00	
13/4	5	44,450	39,50	
2	4½	50,800	45,50	
BSF				
3/16	32	4.762	4.00	
7/32	28	5,556	4,60	
1/4	26	6,350	5.40	
5/16	22	7,938	6,80	
3/6	20	9,525	8,30	
7/16	18	11.112	9,80	
1/2	16	12,700	11,00	
%6	16	14,288	12,50	
5%	14	15,875	14,00	1.

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