

ISO METRIC COARSE THREAD DIN 13-1 (60 °)
(METRİK KABA DİŞ)

Nominal Diameter (Çap) mm	Pitch (Adım) mm	Tapping Drill Size (Matkap Çapı) mm
M 1.0	0.25	0.78
M 1.1	0.25	0.83
M 1.2	0.25	0.93
M 1.4	0.30	1,08
M 1.6	0.35	1,22
M 1.8	0.35	1,42
M 2.0	0.40	1,57
M 2.2	0.45	1,71
M 2.5	0.45	2,01
M 3.0	0.50	2,46
M 3.5	0.60	2,85
M 4.0	0.70	3,24
M 4.5	0.75	3,69
M 5.0	0.80	4,13
M 6.0	1.00	4,92
M 7.0	1.00	5,92
M 8.0	1,25	6,65
M 9.0	1,25	7,65
M 10.0	1,50	8,38
M 11.0	1,50	9,38
M 12.0	1,75	10,11
M 14.0	2,00	11,84
M 16.0	2,00	13.84
M 18.0	2,50	15.29
M 20.0	2,50	17.29
M 22.0	2,50	19.29
M 24.0	3,00	20.75
M 27.0	3,00	23.75
M 30.0	3,50	26.21
M 33.0	3,50	29.21
M 36.0	4,00	31.67
M 39.0	4,00	34.67
M 42.0	4,50	37.13
M 45.0	4,50	40.13
M 48.0	5.00	42.59
M 52.0	5.00	46.59
M 56.0	5,50	50.05
M 60.0	5,50	54.05
M 64.0	6.00	57.51
M 68.0	6.00	61.51

**WHITWORTH COARSE THREAD 84 (55°)
BSW (BRITISH STANDARD WHITWORTH)**

Nominal Diameter (Çap)	Major Diameter (Diş Çapı)	Tapping Drill Size (Matkap Çapı)	TPI (Parmaktaki Diş Sayısı)	Pitch (Adım)
	mm	mm		mm
W 1/16"	1.588	1,05	60	0.423
W 3/32"	2.381	1,70	48	0.529
W 1/8"	3.175	2,36	40	0.635
W 5/32"	3.969	2,95	32	0.794
W 3/16"	4.763	3,41	24	1.058
W 7/32"	5.556	4,20	24	1.058
W 1/4"	6.350	4,72	20	1.270
W 5/16"	7.940	6,13	18	1.411
W 3/8"	9.525	7,49	16	1.587
W 7/16"	11.113	8,79	14	1.814
W 1/2"	12.700	9,99	12	2.117
W 9/16"	14.288	11,58	12	2.117
W 5/8"	15.875	12,92	11	2.309
W 3/4"	19.050	15.80	10	2.540
W 7/8"	22.225	18.61	9	2.822
W 1"	25.400	21.34	8	3.175
W 1 1/8"	28.575	23.93	7	3.628
W 1 1/4"	31.750	27,11	7	3.628
W 1 3/8"	34.925	29.51	6	4.233
W 1 1/2"	38.100	32.68	6	4.233
W 1 5/8"	41.275	34.77	5	5.080
W 1 3/4"	44.450	37.95	5	5.080
W 1 7/8"	47.625	40.40	4,50	5.644
W 2"	50.800	43.58	4,50	5.644
W 2 1/4"	57.150	49.02	4	6.350
W 2 1/2"	63.500	55.37	4	6.350
W 2 3/4"	69.850	60.56	3,50	7.257
W 3"	76.200	66.91	3,50	7.257
W 3 1/4"	82.550	72.55	3,25	7.815
W 3 1/2"	88.900	78.90	3,25	7.815
W 3 3/4"	95.250	84.41	3	8.467
W 4"	101.600	90.76	3	8.467

**WHITWORTH PARALLEL PIPE THREAD DIN ISO 228
BSPP (BRITISH STANDARD PIPE PARALLEL) 55°**

Nominal Diameter (Çap)	Major Diameter (Dış Çap)	Tapping Drill Size (Matkap Çapı)	TPI (Parmaktaki Dış Sayısı)	Pitch (Adım)
	mm	mm		mm
G 1/16"	7.722	6.561	28	0.907
G 1/8"	9.728	8.565	28	0.907
G 1/4"	13.157	11.445	19	1.337
G 3/8"	16.662	14.950	19	1.337
G 1/2"	20.955	18.633	14	1.814
G 3/4"	26.441	24.120	14	1.814
G 1"	33.249	30.292	11	2.309
G 1 1/4"	41.910	38.953	11	2.309
G 1 1/2"	47.803	44.846	11	2.309
G 2"	59.614	56.657	11	2.309
G 2 1/2"	75.184	72.227	11	2.309
G 3"	87.884	84.927	11	2.309
G 4"	113.030	110.073	11	2.309
G 5"	138.430	135.473	11	2.309
G 6"	163.830	160.873	11	2.309

**WHITWORTH TAPARED PIPE THREAD
BSPT (BRITISH STANDARD TAPARED PIPE) 55° - 1 : 16**

Nominal Diameter (Çap)	Pipe Major Diameter (Dış Çap)	Tapping Drill Size (Matkap Çapı)	TPI (Parmaktaki Dış Sayısı)	Pitch (Adım)
	mm	mm		mm
R 1/16"	7.723	6.561	28	0.907
R 1/8"	9.728	8.566	28	0.907
R 1/4"	13.157	11.445	19	1.337
R 3/8"	16.662	14.950	19	1.337
R 1/2"	20.955	18.631	14	1.814
R 3/4"	26.441	24.117	14	1.814
R 1"	33.249	30.291	11	2.309
R 1 1/4"	41.910	38.952	11	2.309
R 1 1/2"	47.803	44.845	11	2.309
R 2"	59.614	56.656	11	2.309
R 2 1/2"	75.184	72.226	11	2.309
R 3"	87.884	84.926	11	2.309
R 4"	113.030	110.072	11	2.309
R 5"	138.430	135.472	11	2.309
R 6"	163.830	160.872	11	2.309

NPT AMERICAN TAPER PIPE THREAD ANSI B 1.20.1 (60°)

Nominal Diameter (Çap)	Major Diameter (Dış Çap)	Tapping Drill Size (Matkap Çapı)	TPI (Parmaktaki Diş Sayısı)	Pitch (Adım)
	mm	mm		mm
1/16" - 27 NPT	7.895	6.00	27	0.941
1/8" - 27 NPT	10.242	8,25	27	0.941
1/4" - 18 NPT	13.616	10,70	18	1.411
3/8" - 18 NPT	17.055	14,10	18	1.411
1/2" - 14 NPT	21.223	17.40	14	1.814
3/4" - 14 NPT	26.568	22.60	14	1.814
1" - 11 1/2 NPT	33.228	28.50	11,50	2.209
1 1/4" - 11 1/2 NPT	41.985	37.00	11,50	2.209
1 1/2" - 11 1/2 NPT	48.054	43.50	11,50	2.209
2" - 11 1/2 NPT	60.092	55.00	11,50	2.209
2 1/2" - 8 NPT	72.699	65.50	8	3.175
3" - 8 NPT	88.608	81.50	8	3.175
3 1/2" - 8 NPT	101.316	94.30	8	3.175
4" - 8 NPT	113.973	107.00	8	3.175
5" - 8 NPT	141.300	134.384	8	3.175
6" - 8 NPT	168.275	161.191	8	3.175
8" - 8 NPT	219.075	211.673	8	3.175
10" - 8 NPT	273.050	265.311	8	3.175
12" - 8 NPT	323.850	315.793	8	3.175

**NPT VE BSP DİŞ ARASINDAKİ FARK
(Parmaktaki Diş Sayısı)**

Ölçü	NPT (National Pipe Taper)	BSP (British Standard Pipe)
1/16 "	27 NPT
1/8"	27 NPT	28 BSP
1/4"	18 NPT	19 BSP
3/8"	18 NPT	19 BSP
1/2"	14 NPT	14 BSP
3/4"	14 NPT	14 BSP
1"	11 1/2 NPT	11 BSP
1 1/4"	11 1/2 NPT	11 BSP
1 1/2"	11 1/2 NPT	11 BSP
2"	11 1/2 NPT	11 BSP
3"	8 NPT	11 BSP
3 1/2"	8 NPT	11 BSP
4"	8 NPT	11 BSP

**WHITHWORTH FINE THREADS 84 (55°) (GB)
(BRITISH STANDARD)**

Nominal Diameter (Çap)	Major Diameter (Dış Çap)	Tapping Drill Size (Matkap Çapı)	TPI (Parmaktaki Dış Sayısı)	Pitch (Adım)
	mm	mm		mm
BSF 3/16"	4.763	3.950	32	0.794
BSF 7/32"	5.556	4.600	28	0.907
BSF 1/4"	6.350	5.300	26	0.977
BSF 9/32"	7.144	6.100	26	0.977
BSF 5/16"	7.938	6.750	22	1.154
BSF 3/8"	9.525	8.200	20	1.270
BSF 7/16"	11.113	9.580	18	1.411
BSF 1/2"	12.700	11.100	16	1.587
BSF 9/16"	14.288	12.600	16	1.587
BSF 5/8"	15.875	13.900	14	1.814
BSF 11/16"	17.463	15.500	14	1.814
BSF 3/4"	19.050	16.700	12	2.117
BSF 7/8"	22.225	19.600	11	2.309
BSF 1"	25.400	22.500	10	2.540
BSF 1 1/8"	28.575	25.400	9	2.822
BSF 1 1/4"	31.750	28.560	9	2.822
BSF 1 3/8"	34.925	31.350	8	3.175
BSF 1 1/2"	38.100	34.500	8	3.175
BSF 1 5/8"	41.275	37.710	8	3.175
BSF 1 3/4"	44.450	40.480	7	3.628
BSF 2"	50.800	46.830	7	3.628
BSF 2 1/4"	57.150	52.400	6	4.233
BSF 2 1/2"	63.500	58.740	6	4.233
BSF 2 3/4"	69.850	65.000	6	4.233
BSF 3"	76.200	70.500	5	5.080
BSF 3 1/4"	82.550	79.370	5	5.080
BSF 3 1/2"	88.900	82.550	4,50	5.644
BSF 3 3/4"	95.250	88.900	4,50	5.644
BSF 4"	101.600	95.250	4,50	5.644
BSF 4 1/4"	107.950	101.600	4	6.350

UNC THREAD ANSI B1.1 (60°) (USA)

Nominal Diameter (Çap)	Major Diameter (Dış Çap)	Tapping Drill Size (Matkap Çapı)	TPI (Parmaktaki Dış Sayısı)	Pitch (Adım)
	mm	mm		mm
#1 - 64 UNC	1.854	1,50	64	0.397
#2 - 56 UNC	2.184	1,78	56	0.453
#3 - 48 UNC	2.515	2,05	48	0.529
#4 - 40 UNC	2.845	2,27	40	0.635
#5 - 40 UNC	3.175	2,59	40	0.635
#6 - 32 UNC	3.505	2,77	32	0.794
#8 - 32 UNC	4.166	3,42	32	0.794
#10 - 24 UNC	4.826	3,82	24	1.058
#12 - 24 UNC	5.486	4,47	24	1.058
1/4" - 20 UNC	6.350	5,11	20	1.270
5/16" - 18 UNC	7.938	6,55	18	1.411
3/8" - 16 UNC	9.525	7,95	16	1.587
7/16" - 14 UNC	11.112	9,30	14	1.814
1/2" - 13 UNC	12.700	10,73	13	1.954
9/16" - 12 UNC	14.288	12,15	12	2.117
5/8" - 11 UNC	15.875	13.53	11	2.309
3/4" - 10 UNC	19.050	16.46	10	2.540
7/8" - 9 UNC	22.225	19.34	9	2.822
1" - 8 UNC	25.400	22.15	8	3.175
1 1/8" - 7 UNC	28.575	24.87	7	3.628
1 1/4" - 7 UNC	31.750	28.85	7	3.628
1 3/8" - 6 UNC	34.925	30.60	6	4.233
1 1/2" - 6 UNC	38.100	33.70	6	4.233
1 3/4" - 5 UNC	44.450	39.26	5	5.080
2" - 4 1/2 UNC	50.800	45.03	4,50	5.644
2 1/4" - 4 1/2 UNC	57.150	51.38	4,50	5.644
2 1/2" - 4 UNC	63.500	57.00	4	6.350
2 3/4" - 4 UNC	69.850	63.36	4	6.350
3" - 4 UNC	76.200	69.71	4	6.350
3 1/4" - 4 UNC	82.550	76.06	4	6.350
3 1/2" - 4 UNC	88.900	82.41	4	6.350
3 3/4" - 4 UNC	95.250	88.76	4	6.350
4" - 4 UNC	101.600	95.11	4	6.350

UNF THREAD ANSI B1.1 (60°) (USA)

Nominal Diameter (Çap)	Major Diameter (Dış Çap)	Tapping Drill Size (Matkap Çapı)	TPI (Parmaktaki Diş Sayısı)	Pitch (Adım)
	mm	mm		mm
#0 - 80 UNF	1.524	1,25	80	0.317
#1 - 72 UNF	1.854	1,55	72	0.353
#2 - 64 UNF	2.184	1,90	64	0.397
#3 - 56 UNF	2.515	2,15	56	0.453
#4 - 48 UNF	2.845	2,40	48	0.529
#5 - 44 UNF	3.175	2,70	44	0.577
#6 - 40 UNF	3.505	2,95	40	0.635
#8 - 36 UNF	4.166	3,50	36	0.705
#10 - 32 UNF	4.826	4,10	32	0.794
#12 - 28 UNF	5.486	4,70	28	0.907
1/4" - 28 UNF	6.350	5,50	28	0.907
5/16" - 24 UNF	7.938	6,90	24	1.058
3/8" - 24 UNF	9.525	8,50	24	1.058
7/16" - 20 UNF	11.112	9,90	20	1.270
1/2" - 20 UNF	12.700	11,50	20	1.270
9/16" - 18 UNF	14.288	12,90	18	1.411
5/8" - 18 UNF	15.875	14,50	18	1.411
3/4" - 16 UNF	19.050	17,50	16	1.587
7/8" - 14 UNF	22.225	20,40	14	1.814
1" - 12 UNF	25.400	23,25	12	2.117
1 1/8" - 12 UNF	28.575	26,50	12	2.117
1 1/4" - 12 UNF	31.750	29,50	12	2.117
1 3/8" - 12 UNF	34.925	32,75	12	2.117
1 1/2" - 12 UNF	38.100	36,00	12	2.117