

Buttress Thread Dimension Chart (Metric)

Nominal Diameter (d)	Pitch (P)	Major Diameter (d)	Pitch Diameter (d2 = D2)	Minor Diameter (d3)	H	H1	h3	ac
10	2	10	9.25	8.26	3.1756	1.5	1.7355	0.2355
12	2	12	11.25	10.26	3.1756	1.5	1.7355	0.2355
	3	12	10.5	9.06	4.7628	2.25	2.6033	0.3533
14	2	14	13.25	12.26	3.1756	1.5	1.7355	0.2355
	3	14	12.5	11.06	4.7628	2.25	2.6033	0.3533
16	2	16	15.25	14.26	3.1756	1.5	1.7355	0.2355
	3	16	14.5	13.06	4.7628	2.25	2.6033	0.3533
18	2	18	17.25	16.26	3.1756	1.5	1.7355	0.2355
	3	18	16.5	15.06	4.7628	2.25	2.6033	0.3533
20	2	20	19.25	18.26	3.1756	1.5	1.7355	0.2355
	3	20	18.5	17.06	4.7628	2.25	2.6033	0.3533
	4	20	17	15.26	6.3504	3	3.4709	0.471
22	3	22	19.75	17.5	4.7628	2.25	2.6033	0.3533
	5	22	18.25	16.5	7.939	3.75	4.3368	0.5894
24	3	24	21.75	19.5	4.7628	2.25	2.6033	0.3533
	5	24	20.25	18.5	7.939	3.75	4.3368	0.5894
28	3	28	25.75	23.5	4.7628	2.25	2.6033	0.3533
	5	28	24.25	22.5	7.939	3.75	4.3368	0.5894
	8	28	18	14	12.7024	6	6.9418	0.942
30	3	30	27.75	25.5	4.7628	2.25	2.6033	0.3533
	6	30	24.79	21.79	9.5268	4.5	5.2078	0.707
32	3	32	29.75	27.5	4.7628	2.25	2.6033	0.3533
	6	32	26.79	23.79	9.5268	4.5	5.2078	0.707
36	3	36	33.75	31.5	4.7628	2.25	2.6033	0.3533
	6	36	30.79	27.79	9.5268	4.5	5.2078	0.707
40	4	40	37.5	34.5	6.3504	3	3.4709	0.471
	6	40	35.79	32.79	9.5268	4.5	5.2078	0.707
	8	40	33.5	30.5	12.7024	6	6.9418	0.942
42	4	42	39.5	36.5	6.3504	3	3.4709	0.471
	6	42	37.79	34.79	9.5268	4.5	5.2078	0.707
	8	42	35.5	32.5	12.7024	6	6.9418	0.942
44	4	44	41.5	38.5	6.3504	3	3.4709	0.471
	6	44	39.79	36.79	9.5268	4.5	5.2078	0.707
	8	44	37.5	34.5	12.7024	6	6.9418	0.942
46	4	46	43.5	40.5	6.3504	3	3.4709	0.471
	6	46	41.79	38.79	9.5268	4.5	5.2078	0.707

	8	46	39.5	36.5	12.7024	6	6.9418	0.942
48	4	48	45.5	42.5	6.3504	3	3.4709	0.471
	6	48	43.79	40.79	9.5268	4.5	5.2078	0.707
	8	48	41.5	38.5	12.7024	6	6.9418	0.942
50	4	50	47.5	44.5	6.3504	3	3.4709	0.471
	6	50	45.79	42.79	9.5268	4.5	5.2078	0.707
	8	50	43.5	40.5	12.7024	6	6.9418	0.942
	10	50	41.25	37.25	15.878	7.5	8.82	1.2
52	4	52	49.5	46.5	6.3504	3	3.4709	0.471
	6	52	47.79	44.79	9.5268	4.5	5.2078	0.707
	8	52	45.5	42.5	12.7024	6	6.9418	0.942
55	4	55	52.5	49.5	6.3504	3	3.4709	0.471
	6	55	50.79	47.79	9.5268	4.5	5.2078	0.707
	8	55	48.5	45.5	12.7024	6	6.9418	0.942
60	4	60	57.5	54.5	6.3504	3	3.4709	0.471
	6	60	55.79	52.79	9.5268	4.5	5.2078	0.707
	8	60	53.5	50.5	12.7024	6	6.9418	0.942
65	6	65	60.79	57.79	9.5268	4.5	5.2078	0.707
	8	65	58.5	55.5	12.7024	6	6.9418	0.942
	10	65	55.25	51.25	15.878	7.5	8.82	1.2
70	6	70	65.79	62.79	9.5268	4.5	5.2078	0.707
	8	70	63.5	60.5	12.7024	6	6.9418	0.942
	10	70	60.25	56.25	15.878	7.5	8.82	1.2
75	6	75	70.79	67.79	9.5268	4.5	5.2078	0.707
	8	75	68.5	65.5	12.7024	6	6.9418	0.942
	10	75	65.25	61.25	15.878	7.5	8.82	1.2
80	6	80	75.79	72.79	9.5268	4.5	5.2078	0.707
	8	80	73.5	70.5	12.7024	6	6.9418	0.942
	10	80	70.25	66.25	15.878	7.5	8.82	1.2
85	6	85	80.79	77.79	9.5268	4.5	5.2078	0.707
	8	85	83.5	75.5	12.7024	6	6.9418	0.942
	10	85	75.25	71.25	15.878	7.5	8.82	1.2
90	6	90	85.79	82.79	9.5268	4.5	5.2078	0.707
	8	90	88.5	80.5	12.7024	6	6.9418	0.942
	10	90	80.25	76.25	15.878	7.5	8.82	1.2
95	6	95	90.79	87.79	9.5268	4.5	5.2078	0.707
	8	95	93.5	85.5	12.7024	6	6.9418	0.942
	10	95	85.25	81.25	15.878	7.5	8.82	1.2
100	6	100	95.79	92.79	9.5268	4.5	5.2078	0.707
	8	100	98.5	90.5	12.7024	6	6.9418	0.942
	10	100	90.25	86.25	15.878	7.5	8.82	1.2
110	6	110	105.79	102.79	9.5268	4.5	5.2078	0.707

	8	110	108.5	100.5	12.7024	6	6.9418	0.942
	10	110	100.25	96.25	15.878	7.5	8.82	1.2
120	6	120	115.79	112.79	9.5268	4.5	5.2078	0.707
	8	120	118.5	110.5	12.7024	6	6.9418	0.942
	10	120	110.25	106.25	15.878	7.5	8.82	1.2
130	6	130	125.79	122.79	9.5268	4.5	5.2078	0.707
	8	130	128.5	120.5	12.7024	6	6.9418	0.942
	10	130	120.25	116.25	15.878	7.5	8.82	1.2
140	6	140	135.79	132.79	9.5268	4.5	5.2078	0.707
	8	140	138.5	130.5	12.7024	6	6.9418	0.942
	10	140	130.25	126.25	15.878	7.5	8.82	1.2
150	6	150	145.79	142.79	9.5268	4.5	5.2078	0.707
	8	150	148.5	140.5	12.7024	6	6.9418	0.942
	10	150	140.25	136.25	15.878	7.5	8.82	1.2
	12	150	138	132	19.0536	9	10.5942	1.456
160	6	160	155.79	152.79	9.5268	4.5	5.2078	0.707
	8	160	158.5	150.5	12.7024	6	6.9418	0.942
	10	160	150.25	146.25	15.878	7.5	8.82	1.2
	12	160	148	142	19.0536	9	10.5942	1.456
170	6	170	165.79	162.79	9.5268	4.5	5.2078	0.707
	8	170	168.5	160.5	12.7024	6	6.9418	0.942
	10	170	160.25	156.25	15.878	7.5	8.82	1.2
	12	170	158	152	19.0536	9	10.5942	1.456
180	6	180	175.79	172.79	9.5268	4.5	5.2078	0.707
	8	180	178.5	170.5	12.7024	6	6.9418	0.942
	10	180	170.25	166.25	15.878	7.5	8.82	1.2
	12	180	168	162	19.0536	9	10.5942	1.456
190	6	190	185.79	182.79	9.5268	4.5	5.2078	0.707
	8	190	188.5	180.5	12.7024	6	6.9418	0.942
	10	190	180.25	176.25	15.878	7.5	8.82	1.2
	12	190	178	172	19.0536	9	10.5942	1.456
200	6	200	195.79	192.79	9.5268	4.5	5.2078	0.707
	8	200	198.5	190.5	12.7024	6	6.9418	0.942
	10	200	190.25	186.25	15.878	7.5	8.82	1.2
	12	200	188	182	19.0536	9	10.5942	1.456
210	6	210	205.79	202.79	9.5268	4.5	5.2078	0.707
	8	210	208.5	200.5	12.7024	6	6.9418	0.942
	10	210	200.25	196.25	15.878	7.5	8.82	1.2
	12	210	198	192	19.0536	9	10.5942	1.456
220	6	220	215.79	212.79	9.5268	4.5	5.2078	0.707
	8	220	218.5	210.5	12.7024	6	6.9418	0.942
	10	220	210.25	206.25	15.878	7.5	8.82	1.2

	12	220	208	202	19.0536	9	10.5942	1.456
230	6	230	225.79	222.79	9.5268	4.5	5.2078	0.707
	8	230	228.5	220.5	12.7024	6	6.9418	0.942
	10	230	220.25	216.25	15.878	7.5	8.82	1.2
	12	230	218	212	19.0536	9	10.5942	1.456
240	6	240	235.79	232.79	9.5268	4.5	5.2078	0.707
	8	240	238.5	230.5	12.7024	6	6.9418	0.942
	10	240	230.25	226.25	15.878	7.5	8.82	1.2
	12	240	228	222	19.0536	9	10.5942	1.456
250	6	250	245.79	242.79	9.5268	4.5	5.2078	0.707
	8	250	248.5	240.5	12.7024	6	6.9418	0.942
	10	250	240.25	236.25	15.878	7.5	8.82	1.2
	12	250	238	232	19.0536	9	10.5942	1.456
260	6	260	255.79	252.79	9.5268	4.5	5.2078	0.707
	8	260	258.5	250.5	12.7024	6	6.9418	0.942
	10	260	250.25	246.25	15.878	7.5	8.82	1.2
	12	260	248	242	19.0536	9	10.5942	1.456
270	6	270	265.79	262.79	9.5268	4.5	5.2078	0.707
	8	270	268.5	260.5	12.7024	6	6.9418	0.942
	10	270	260.25	256.25	15.878	7.5	8.82	1.2
	12	270	258	252	19.0536	9	10.5942	1.456
280	6	280	275.79	272.79	9.5268	4.5	5.2078	0.707
	8	280	278.5	270.5	12.7024	6	6.9418	0.942
	10	280	270.25	266.25	15.878	7.5	8.82	1.2
	12	280	268	262	19.0536	9	10.5942	1.456
290	6	290	285.79	282.79	9.5268	4.5	5.2078	0.707
	8	290	288.5	280.5	12.7024	6	6.9418	0.942
	10	290	280.25	276.25	15.878	7.5	8.82	1.2
	12	290	278	272	19.0536	9	10.5942	1.456
300	6	300	295.79	292.79	9.5268	4.5	5.2078	0.707
	8	300	298.5	290.5	12.7024	6	6.9418	0.942
	10	300	290.25	286.25	15.878	7.5	8.82	1.2
	12	300	288	282	19.0536	9	10.5942	1.456
320	6	320	315.79	312.79	9.5268	4.5	5.2078	0.707
	8	320	318.5	310.5	12.7024	6	6.9418	0.942
	10	320	310.25	306.25	15.878	7.5	8.82	1.2
	12	320	308	302	19.0536	9	10.5942	1.456
340	6	340	335.79	332.79	9.5268	4.5	5.2078	0.707
	8	340	338.5	330.5	12.7024	6	6.9418	0.942
	10	340	330.25	326.25	15.878	7.5	8.82	1.2
	12	340	328	322	19.0536	9	10.5942	1.456
360	6	360	355.79	352.79	9.5268	4.5	5.2078	0.707

	8	360	358.5	350.5	12.7024	6	6.9418	0.942
	10	360	350.25	346.25	15.878	7.5	8.82	1.2
	12	360	348	342	19.0536	9	10.5942	1.456
380	6	380	375.79	372.79	9.5268	4.5	5.2078	0.707
	8	380	378.5	370.5	12.7024	6	6.9418	0.942
	10	380	370.25	366.25	15.878	7.5	8.82	1.2
	12	380	368	362	19.0536	9	10.5942	1.456
400	6	400	395.79	392.79	9.5268	4.5	5.2078	0.707
	8	400	398.5	390.5	12.7024	6	6.9418	0.942
	10	400	390.25	386.25	15.878	7.5	8.82	1.2
	12	400	388	382	19.0536	9	10.5942	1.456
420	6	420	415.79	412.79	9.5268	4.5	5.2078	0.707
	8	420	418.5	410.5	12.7024	6	6.9418	0.942
	10	420	410.25	406.25	15.878	7.5	8.82	1.2
	12	420	408	402	19.0536	9	10.5942	1.456
440	6	440	435.79	432.79	9.5268	4.5	5.2078	0.707
	8	440	438.5	430.5	12.7024	6	6.9418	0.942
	10	440	430.25	426.25	15.878	7.5	8.82	1.2
	12	440	428	422	19.0536	9	10.5942	1.456
460	6	460	455.79	452.79	9.5268	4.5	5.2078	0.707
	8	460	458.5	450.5	12.7024	6	6.9418	0.942
	10	460	450.25	446.25	15.878	7.5	8.82	1.2
	12	460	448	442	19.0536	9	10.5942	1.456
480	6	480	475.79	472.79	9.5268	4.5	5.2078	0.707
	8	480	478.5	470.5	12.7024	6	6.9418	0.942
	10	480	470.25	466.25	15.878	7.5	8.82	1.2
	12	480	468	462	19.0536	9	10.5942	1.456
500	6	500	495.79	492.79	9.5268	4.5	5.2078	0.707
	8	500	498.5	490.5	12.7024	6	6.9418	0.942
	10	500	490.25	486.25	15.878	7.5	8.82	1.2
	12	500	488	482	19.0536	9	10.5942	1.456
520	6	520	515.79	512.79	9.5268	4.5	5.2078	0.707
	8	520	518.5	510.5	12.7024	6	6.9418	0.942
	10	520	510.25	506.25	15.878	7.5	8.82	1.2
	12	520	508	502	19.0536	9	10.5942	1.456
540	6	540	535.79	532.79	9.5268	4.5	5.2078	0.707
	8	540	538.5	530.5	12.7024	6	6.9418	0.942
	10	540	530.25	526.25	15.878	7.5	8.82	1.2
	12	540	528	522	19.0536	9	10.5942	1.456
560	6	560	555.79	552.79	9.5268	4.5	5.2078	0.707
	8	560	558.5	550.5	12.7024	6	6.9418	0.942
	10	560	550.25	546.25	15.878	7.5	8.82	1.2

	12	560	548	542	19.0536	9	10.5942	1.456
580	6	580	575.79	572.79	9.5268	4.5	5.2078	0.707
	8	580	578.5	570.5	12.7024	6	6.9418	0.942
	10	580	570.25	566.25	15.878	7.5	8.82	1.2
	12	580	568	562	19.0536	9	10.5942	1.456
600	6	600	595.79	592.79	9.5268	4.5	5.2078	0.707
	8	600	598.5	590.5	12.7024	6	6.9418	0.942
	10	600	590.25	586.25	15.878	7.5	8.82	1.2
	12	600	588	582	19.0536	9	10.5942	1.456
620	6	620	615.79	612.79	9.5268	4.5	5.2078	0.707
	8	620	618.5	610.5	12.7024	6	6.9418	0.942
	10	620	610.25	606.25	15.878	7.5	8.82	1.2
	12	620	608	602	19.0536	9	10.5942	1.456
640	6	640	635.79	632.79	9.5268	4.5	5.2078	0.707
	8	640	638.5	630.5	12.7024	6	6.9418	0.942
	10	640	630.25	626.25	15.878	7.5	8.82	1.2
	12	640	628	622	19.0536	9	10.5942	1.456

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0.0283	0.248
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0.0433	0.372
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0.0283	0.248
0.0433	0.372
0.0283	0.248
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0.056	0.496
0.0433	0.372
0.0706	0.621
0.0433	0.372
0.0706	0.621
0.0433	0.372
0.0706	0.621
0.112	0.992
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0.084	0.744
0.0433	0.372
0.084	0.744
0.0433	0.372
0.084	0.744
0.056	0.496
0.084	0.744
0.112	0.992
0.056	0.496
0.084	0.744
0.112	0.992
0.056	0.496
0.084	0.744
0.112	0.992
0.056	0.496
0.084	0.744

0.172	1.492
0.084	0.744
0.112	0.992
0.142	1.243
0.172	1.492
0.084	0.744
0.112	0.992
0.142	1.243
0.172	1.492
0.084	0.744
0.112	0.992
0.142	1.243
0.172	1.492
0.084	0.744
0.112	0.992
0.142	1.243
0.172	1.492