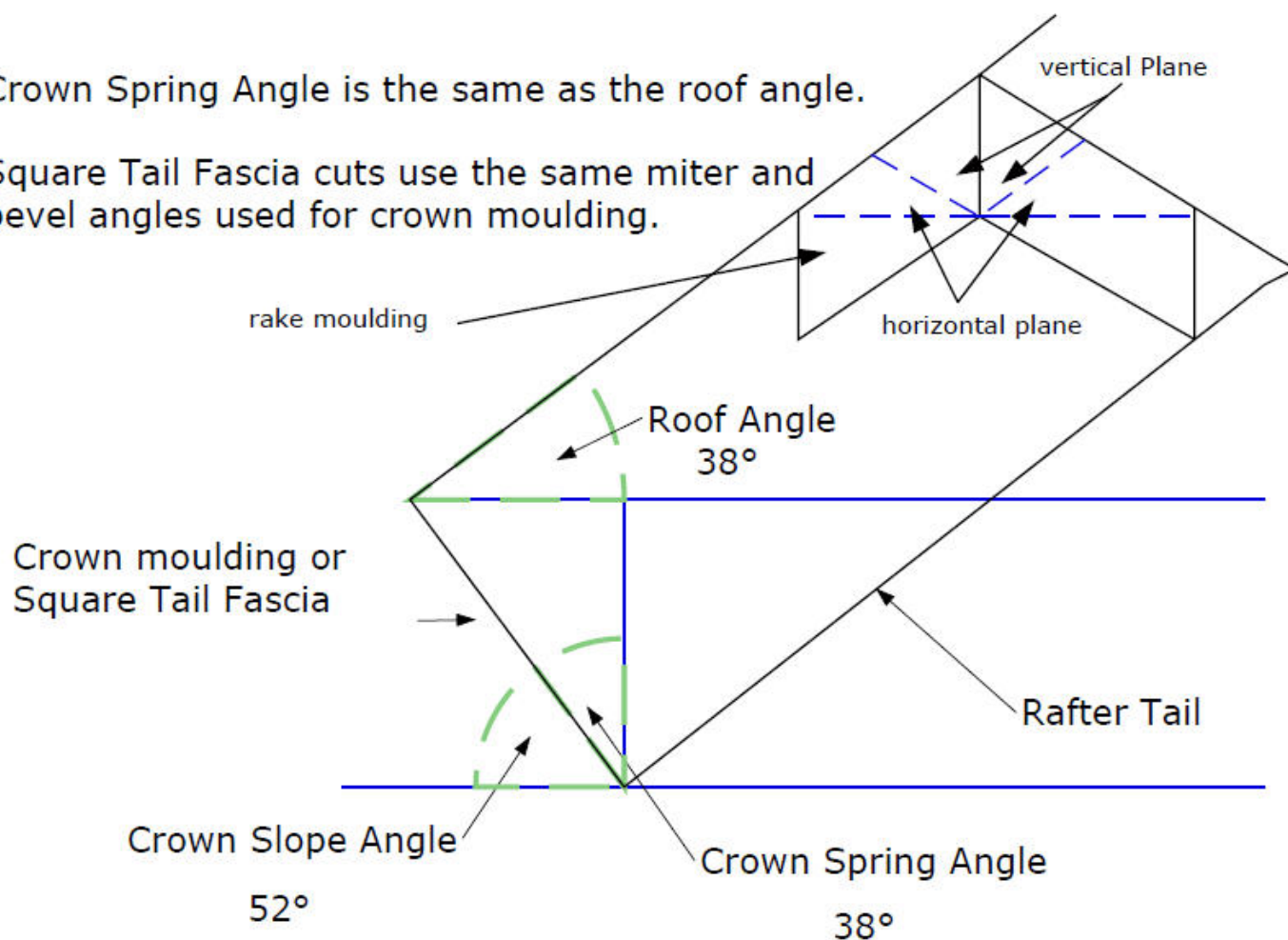


Crown Molding Miter Angle and Bevel Angle Settings

Crown Spring Angle is the same as the roof angle.

Square Tail Fascia cuts use the same miter and bevel angles used for crown moulding.



Enter Crown Spring Angle 45
or Enter Roof Angle

Submit

The **crown slope angle** is measured on a horizontal plane.

The **crown spring angle** is measured on a vertical plane.

The first column in the table is the corner angle in degrees. A corner angle of 90° or 270° have the same miter angle and bevel angle cuts. The second column is the miter angle for cutting the crown laying flat in the compound miter saw, face profile up, with the top edge of the crown touching the fence of the compound miter saw. The third column is the bevel angle for cutting the crown laying flat in the compound miter saw. The fourth and fifth columns are for cutting the crown moulding standing on edge in the compound miter saw with the top of the crown moulding at the top of the cut with face profile facing towards the blade cut.

A **sprung moulding** is a moulding that does not have a solid back.

The **crown spring angle** is sprung by using the correct Dihedral Angle for the compound miter and bevel angle.

Crown Spring Angle = 45 °

- Common Corner Angles for crown with a spring angle of 45 °
- [Corner Angle] Miter : Bevel
- [90°] 35.26 : 30.00
- [270°] 35.26 : 30.00
- [45°] 59.64 : 40.79
- [135°] 16.32 : 15.70
- [225°] 16.32 : 15.70 [1 piece radius corner crown]
- [210°] 10.73 : 10.55 [2 piece radius corner crown]
- [202.5°] 8.01 : 7.93 [3 piece radius corner crown]
- [pentagon] 27.19 : 24.56 [5 sided polygon] : 36° Upside Down in Miter Saw
- [hexagon] 22.21 : 20.70 [6 sided polygon] : 30° Upside Down in Miter Saw
- [heptagon] 18.80 : 17.87 [7 sided polygon] : 25.71° Upside Down in Miter Saw
- [octagon] 16.32 : 15.70 [8 sided polygon] : 22.5° Upside Down in Miter Saw
- [nonagon] 14.43 : 14.00 [9 sided polygon] : 20° Upside Down in Miter Saw
- [decagon] 12.94 : 12.62 [10 sided polygon] : 18° Upside Down in Miter Saw
- [dodecagon] 10.73 : 10.55 [12 sided polygon] : 15° Upside Down in Miter Saw
- [hexadecagon] 8.01 : 7.93 [16 sided polygon] : 11.25° Upside Down in Miter Saw
- [icosikaitetragon] 5.32 : 5.30 [24 sided polygon] : 7.5° Upside Down in Miter Saw
- [90° or 270°] radius corner back side crown width
- 1 piece radius corner back side crown width [3/4" radius = 0 5/8]: [1" radius = 0 7/8]: [1 1/2" radius = 1 1/4] : 22.5° Upside Down in Miter Saw
- 2 piece radius corner back side crown width [3/4" radius = 0 7/16]: [1" radius = 0 9/16]: [1 1/2" radius = 0 13/16] : 15° Upside Down in Miter Saw
- 3 piece radius corner back side crown width [3/4" radius = 0 5/16]: [1" radius = 0 7/16]: [1 1/2" radius = 0 5/8] : 11.25° Upside Down in Miter Saw

Crown Molding = Square cut Fascia

Crown Molding = Frieze Blocks

Crown Molding = Purlin Beams cut on side of purlin

Crown Molding cut on edge = Roof sheathing cuts

Crown Molding cut Angled Against Fence Dihedral Angle for 90° corner = 60.00 °

Radius Crown Corner Angle = 180° + (90° ÷ number of corner cuts)

[Wall Angle Crown Molding Miter Angle and Bevel Angle Settings](#)

[Rake Ceiling Crown Molding Miter Angle and Bevel Angle Settings](#)

Crown Spring Angle = 45 °

Corner Angle or Wall Angle in Degrees	Crown Molding Laying Flat		Crown Molding On Edge Against Fence	
	Miter Angle	Bevel Angle	Miter Angle	Bevel Angle
1 - 359	89.29291	44.99782	89.29291	44.99782
2 - 358	88.58593	44.99127	88.58593	44.99127
3 - 357	87.87916	44.98037	87.87916	44.98037
4 - 356	87.17272	44.96511	87.17272	44.96511
5 - 355	86.46671	44.94549	86.46671	44.94549
6 - 354	85.76123	44.92153	85.76123	44.92153
7 - 353	85.05639	44.89323	85.05639	44.89323
8 - 352	84.35230	44.86060	84.35230	44.86060
9 - 351	83.64906	44.82365	83.64906	44.82365
10 - 350	82.94677	44.78238	82.94677	44.78238
11 - 349	82.24554	44.73683	82.24554	44.73683
12 - 348	81.54547	44.68698	81.54547	44.68698
13 - 347	80.84665	44.63287	80.84665	44.63287

14 - 346	80.14918	44.57450	80.14918	44.57450
15 - 345	79.45316	44.51190	79.45316	44.51190
16 - 344	78.75869	44.44508	78.75869	44.44508
17 - 343	78.06585	44.37406	78.06585	44.37406
18 - 342	77.37474	44.29887	77.37474	44.29887
19 - 341	76.68545	44.21951	76.68545	44.21951
20 - 340	75.99806	44.13603	75.99806	44.13603
21 - 339	75.31266	44.04843	75.31266	44.04843
22 - 338	74.62933	43.95675	74.62933	43.95675
23 - 337	73.94815	43.86102	73.94815	43.86102
24 - 336	73.26920	43.76124	73.26920	43.76124
25 - 335	72.59256	43.65747	72.59256	43.65747
26 - 334	71.91830	43.54971	71.91830	43.54971
27 - 333	71.24649	43.43801	71.24649	43.43801
28 - 332	70.57719	43.32239	70.57719	43.32239
29 - 331	69.91049	43.20288	69.91049	43.20288
30 - 330	69.24643	43.07952	69.24643	43.07952
31 - 329	68.58508	42.95233	68.58508	42.95233
32 - 328	67.92650	42.82135	67.92650	42.82135
33 - 327	67.27074	42.68661	67.27074	42.68661
34 - 326	66.61787	42.54815	66.61787	42.54815
35 - 325	65.96792	42.40600	65.96792	42.40600
36 - 324	65.32094	42.26020	65.32094	42.26020
37 - 323	64.67699	42.11077	64.67699	42.11077
38 - 322	64.03610	41.95776	64.03610	41.95776
39 - 321	63.39832	41.80121	63.39832	41.80121
40 - 320	62.76369	41.64114	62.76369	41.64114
41 - 319	62.13223	41.47761	62.13223	41.47761
42 - 318	61.50398	41.31063	61.50398	41.31063
43 - 317	60.87898	41.14026	60.87898	41.14026
44 - 316	60.25724	40.96653	60.25724	40.96653
45 - 315	59.63881	40.78947	59.63881	40.78947
46 - 314	59.02369	40.60913	59.02369	40.60913
47 - 313	58.41191	40.42555	58.41191	40.42555
48 - 312	57.80349	40.23876	57.80349	40.23876
49 - 311	57.19845	40.04880	57.19845	40.04880
50 - 310	56.59680	39.85571	56.59680	39.85571
51 - 309	55.99855	39.65953	55.99855	39.65953
52 - 308	55.40372	39.46030	55.40372	39.46030
53 - 307	54.81230	39.25805	54.81230	39.25805
54 - 306	54.22432	39.05283	54.22432	39.05283
55 - 305	53.63976	38.84468	53.63976	38.84468

56 - 304	53.05864	38.63363	53.05864	38.63363
57 - 303	52.48095	38.41972	52.48095	38.41972
58 - 302	51.90670	38.20300	51.90670	38.20300
59 - 301	51.33588	37.98349	51.33588	37.98349
60 - 300	50.76848	37.76124	50.76848	37.76124
61 - 299	50.20450	37.53629	50.20450	37.53629
62 - 298	49.64394	37.30867	49.64394	37.30867
63 - 297	49.08678	37.07843	49.08678	37.07843
64 - 296	48.53301	36.84559	48.53301	36.84559
65 - 295	47.98262	36.61020	47.98262	36.61020
66 - 294	47.43560	36.37230	47.43560	36.37230
67 - 293	46.89193	36.13191	46.89193	36.13191
68 - 292	46.35160	35.88909	46.35160	35.88909
69 - 291	45.81459	35.64386	45.81459	35.64386
70 - 290	45.28089	35.39626	45.28089	35.39626
71 - 289	44.75046	35.14633	44.75046	35.14633
72 - 288	44.22330	34.89410	44.22330	34.89410
73 - 287	43.69938	34.63961	43.69938	34.63961
74 - 286	43.17868	34.38289	43.17868	34.38289
75 - 285	42.66117	34.12398	42.66117	34.12398
76 - 284	42.14684	33.86291	42.14684	33.86291
77 - 283	41.63566	33.59972	41.63566	33.59972
78 - 282	41.12760	33.33444	41.12760	33.33444
79 - 281	40.62263	33.06711	40.62263	33.06711
80 - 280	40.12074	32.79775	40.12074	32.79775
81 - 279	39.62189	32.52640	39.62189	32.52640
82 - 278	39.12605	32.25310	39.12605	32.25310
83 - 277	38.63321	31.97787	38.63321	31.97787
84 - 276	38.14331	31.70075	38.14331	31.70075
85 - 275	37.65635	31.42176	37.65635	31.42176
86 - 274	37.17229	31.14095	37.17229	31.14095
87 - 273	36.69109	30.85833	36.69109	30.85833
88 - 272	36.21273	30.57395	36.21273	30.57395
89 - 271	35.73717	30.28783	35.73717	30.28783
90 - 270	35.26439	30.00000	35.26439	30.00000
91 - 269	34.79435	29.71049	34.79435	29.71049
92 - 268	34.32702	29.41933	34.32702	29.41933
93 - 267	33.86237	29.12655	33.86237	29.12655
94 - 266	33.40037	28.83217	33.40037	28.83217
95 - 265	32.94098	28.53623	32.94098	28.53623
96 - 264	32.48417	28.23876	32.48417	28.23876
97 - 263	32.02990	27.93977	32.02990	27.93977

98 - 262	31.57815	27.63930	31.57815	27.63930
99 - 261	31.12888	27.33738	31.12888	27.33738
100 - 260	30.68206	27.03402	30.68206	27.03402
101 - 259	30.23765	26.72926	30.23765	26.72926
102 - 258	29.79562	26.42313	29.79562	26.42313
103 - 257	29.35593	26.11564	29.35593	26.11564
104 - 256	28.91856	25.80683	28.91856	25.80683
105 - 255	28.48347	25.49671	28.48347	25.49671
106 - 254	28.05062	25.18532	28.05062	25.18532
107 - 253	27.61998	24.87268	27.61998	24.87268
108 - 252	27.19152	24.55880	27.19152	24.55880
109 - 251	26.76521	24.24373	26.76521	24.24373
110 - 250	26.34100	23.92746	26.34100	23.92746
111 - 249	25.91887	23.61005	25.91887	23.61005
112 - 248	25.49879	23.29149	25.49879	23.29149
113 - 247	25.08071	22.97182	25.08071	22.97182
114 - 246	24.66461	22.65106	24.66461	22.65106
115 - 245	24.25045	22.32924	24.25045	22.32924
116 - 244	23.83821	22.00636	23.83821	22.00636
117 - 243	23.42784	21.68246	23.42784	21.68246
118 - 242	23.01931	21.35755	23.01931	21.35755
119 - 241	22.61259	21.03166	22.61259	21.03166
120 - 240	22.20765	20.70481	22.20765	20.70481
121 - 239	21.80446	20.37702	21.80446	20.37702
122 - 238	21.40298	20.04830	21.40298	20.04830
123 - 237	21.00318	19.71868	21.00318	19.71868
124 - 236	20.60502	19.38818	20.60502	19.38818
125 - 235	20.20848	19.05681	20.20848	19.05681
126 - 234	19.81353	18.72461	19.81353	18.72461
127 - 233	19.42012	18.39157	19.42012	18.39157
128 - 232	19.02824	18.05774	19.02824	18.05774
129 - 231	18.63784	17.72311	18.63784	17.72311
130 - 230	18.24890	17.38772	18.24890	17.38772
131 - 229	17.86139	17.05157	17.86139	17.05157
132 - 228	17.47526	16.71470	17.47526	16.71470
133 - 227	17.09051	16.37711	17.09051	16.37711
134 - 226	16.70708	16.03882	16.70708	16.03882
135 - 225	16.32495	15.69986	16.32495	15.69986
136 - 224	15.94409	15.36023	15.94409	15.36023
137 - 223	15.56447	15.01996	15.56447	15.01996
138 - 222	15.18607	14.67906	15.18607	14.67906
139 - 221	14.80884	14.33755	14.80884	14.33755

140 - 220	14.43276	13.99545	14.43276	13.99545
141 - 219	14.05779	13.65276	14.05779	13.65276
142 - 218	13.68392	13.30952	13.68392	13.30952
143 - 217	13.31110	12.96573	13.31110	12.96573
144 - 216	12.93932	12.62142	12.93932	12.62142
145 - 215	12.56853	12.27659	12.56853	12.27659
146 - 214	12.19872	11.93126	12.19872	11.93126
147 - 213	11.82985	11.58545	11.82985	11.58545
148 - 212	11.46188	11.23918	11.46188	11.23918
149 - 211	11.09481	10.89245	11.09481	10.89245
150 - 210	10.72858	10.54529	10.72858	10.54529
151 - 209	10.36319	10.19771	10.36319	10.19771
152 - 208	9.99859	9.84972	9.99859	9.84972
153 - 207	9.63475	9.50135	9.63475	9.50135
154 - 206	9.27166	9.15260	9.27166	9.15260
155 - 205	8.90928	8.80348	8.90928	8.80348
156 - 204	8.54759	8.45403	8.54759	8.45403
157 - 203	8.18655	8.10424	8.18655	8.10424
158 - 202	7.82613	7.75413	7.82613	7.75413
159 - 201	7.46632	7.40372	7.46632	7.40372
160 - 200	7.10708	7.05302	7.10708	7.05302
161 - 199	6.74838	6.70205	6.74838	6.70205
162 - 198	6.39020	6.35082	6.39020	6.35082
163 - 197	6.03250	5.99934	6.03250	5.99934
164 - 196	5.67527	5.64763	5.67527	5.64763
165 - 195	5.31847	5.29571	5.31847	5.29571
166 - 194	4.96208	4.94357	4.96208	4.94357
167 - 193	4.60607	4.59125	4.60607	4.59125
168 - 192	4.25040	4.23876	4.25040	4.23876
169 - 191	3.89507	3.88610	3.89507	3.88610
170 - 190	3.54002	3.53329	3.54002	3.53329
171 - 189	3.18525	3.18034	3.18525	3.18034
172 - 188	2.83073	2.82728	2.83073	2.82728
173 - 187	2.47641	2.47410	2.47641	2.47410
174 - 186	2.12229	2.12084	2.12229	2.12084
175 - 185	1.76833	1.76749	1.76833	1.76749
176 - 184	1.41450	1.41407	1.41450	1.41407
177 - 183	1.06078	1.06060	1.06078	1.06060
178 - 182	0.70714	0.70709	0.70714	0.70709
179 - 181	0.35356	0.35355	0.35356	0.35355
180 - 0	0.00000	0.00000	0.00000	0.00000

or Wall Angle in Degrees	Miter Angle	Bevel Angle	Miter Angle	Bevel Angle
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Crown Molding Run
3.5

Crown Molding Rise
4

Calculate Crown Spring Angle Help

Crown Spring Angle
41.18593°

Close

[Polygon Crown Molding Miter Angles and Bevel Angles](#)

[Cutting Crown Molding with Gary Katz JLC](#)

[Cutting 14" Chemcrest Crown Molding](#)

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[Cutting Crown Molding with CompoundMiter.com](#)

[Rake Ceiling Crown Molding Miter Angle and Bevel Angle Settings](#)

[Rake Ceiling To Flat Ceiling Crown Molding Miter Angle and Bevel Angle Settings](#)

[Wall Angle Crown Molding Miter Angle and Bevel Angle Settings](#)