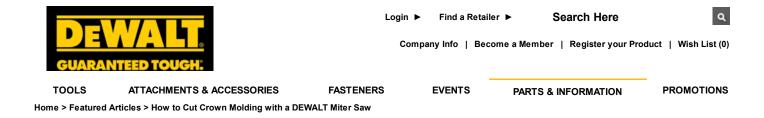
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DEWALT Miter Saw

Woodworking - How to Cut Crown Molding with a DEWALT Miter Saw



Cheat-Sheet Vertically Nested vs. Laying Flat

How to Cut Crown Molding: Non-Compound Method (Vertically Nested)

The advantage to cutting crown molding using this method is that no bevel cut is required. Therefore, when adjusting the saw for out of square corners, the user needs to only adjust the miter system, as opposed to both miter and bevel systems when laying crown materials flat.

All DEWALT Miter Saws have a tall sliding fence to support larger crown molding nested vertically against the fence. When cutting with this method, use the crown stops to support material. The **DW713**, **DW715**, **DW716**, and **DW718** all use the **DW7084** crown stops.

The capacities cutting crown vertically on each saw are as follows: DW713 -- up to 4-1/2" crown DW715 -- up to 5-1/4" crown DW716 -- up to 6-5/8" crown DW718 -- up to 6-5/8" crown

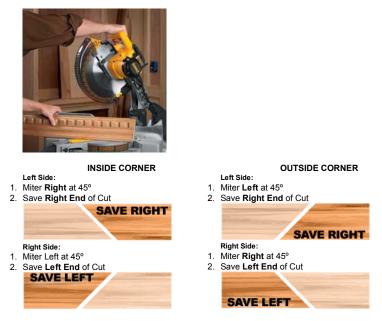
Always Remember: When cutting crown in this orientation the bottom of the molding goes against the fence (Bottom of molding is decorative side).

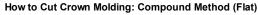


How to Cut Crown Molding: Non-Compound Method (Vertically Nested)

- · Bottom of the molding rest against fence
- Top of the molding rest against table
- · Angled "flats" on back of molding must rest squarely on the fence and base of the saw

Crown Molding Vertically Nested Against Fence - Decorative Edge is Always Against the Fence





When setting bevel and miter angles for all compound miters, remember that: The angles presented for crown moldings are very precise and difficult to set exactly. Since they can shift slightly and very few rooms have exactly square corners, all settings should be tested on scrap moldings. The following two chart shows settings are for all U.S. Standard Crown Molding with 52° and 38° angles, and assume that the angle between the wall is 90°. The chart at the end of this article lists the appropriate miter-bevel settings for both 52°/38° and 45°/45° Ceiling Wall Crown Moldings with angle-between-wall ranges of 67°-179°.

PRETESTING WITH SCRAP MATERIAL IS EXTREMELY IMPORTANT!



How to Cut Crown Molding: Compound Method (Flat)

- · Molding laying with broad back surface down flat on saw table.
- You must flip the material around to cut both ends of the inside and outside corners.



INSIDE CORNER

- Left Side: 1. Top of Molding Against Fence 2. Bevel Set at 33.85°
- 3. Miter Right at 31.62°
- 4. Save Left End of Cut



- Save Left End of Cut 4.

* Top of molding doesn't have decorative edge * Bottom of molding has decorative edge

OUTSIDE CORNER Left Side: 1. Bottom of Molding Against Fence 2. Bevel Set at 33.85° 3. Miter Left at 31.62° 4. Save Right End of Cut SAVE RIGHT Right Side: 1. Top of Molding Against Fence 2. Bevel Set at 33.85° Miter Right at 31.62° Save Right End of Cut SAVE RIGHT

- Compound Method (Flat) Using DW716/DW718 Double Bevel Miter Saws
- · Molding laying with broad back surface down flat on saw table.
- Top of the molding always rests against the fence for all cuts. No need to flip the material. INSIDE CORNER OUTSIDE CORNER

Left Side:	Left Side:
 Top of Molding Against Fence 	 Top of Molding Against Fence
Bevel Left at 33.85°	Bevel Right Set at 33.85°
Miter Right at 31.62°	Miter Left at 31.62°
4. Save Left End of Cut	Save Left End of Cut
SAVE LEFT	SAVE LEFT
Right Side:	Right Side:
 Top of Molding Against Fence 	 Top of Molding Against Fence
Bevel Right Set at 33.85°	Bevel Left at 33.85°
Miter Left at 31.62°	Miter Right at 31.62°
Save Right End of Cut	Save Right End of Cut
SAVE RIGHT	SAVE RIGHT

	52/38° Crown Molding		45/45° Crown Molding	
Angle Between Walls	Miter Setting	Bevel Setting	Miter Setting	Bevel
				Setting
67	42.93	41.08	46.89	36.13
68	42.39	40.79	46.35	35.89
69	41.85	40.50	45.81	35.64
70	41.32	40.20	45.28	35.40
71	40.79	39.90	44.75	35.15
72	40.28	39.61	44.22	34.89
73	39.76	39.30	43.70	34.64
74	39.25	39.00	43.18	34.38
75	38.74	38.69	42.66	34.30
75	38.24	38.39	42.00	33.86
77	37.74	38.08	41.64	33.60
78	37.24	37.76	41.13	33.33
79	36.75	37.45	40.62	33.07
80	36.27	37.13	40.12	32.80
81	35.79	36.81	39.62	32.53
82	35.31	36.49	39.13	32.25
83	34.83	36.17	38.63	31.98
84	34.36	35.85	38.14	31.70
85	33.90	35.52	37.66	31.42
86	33.43	35.19	37.17	31.14
87	32.97	34.86	36.69	30.86
88	32.57	34.53	36.21	30.57
89	32.52	34.20	35.74	30.57
90	31.62	33.86	35.26	30.00
91	31.17	33.53	34.79	29.71
92	30.73	33.19	34.33	29.42
93	30.30	32.85	33.86	29.13
94	29.86	32.51	33.40	28.83
95	29.43	32.17	32.94	28.54
96	29.00	31.82	32.48	28.24
97	28.58	31.48	32.02	27.94
98	28.16	31.13	31.58	27.64
99	27.74	30.78	31.13	27.34
100	27.32	30.43	30.68	27.03
100	26.91	30.08	30.24	26.73
101	26.50	29.73	29.80	26.42
102	26.00	29.73	29.80	26.42
103	25.69	29.02	28.92	25.81
105	25.29	28.67	28.48	25.50
106	24.89	28.31	28.05	25.19
107	24.49	27.95	27.62	24.87
108	24.10	27.59	27.19	24.56
109	23.71	27.23	26.77	24.24
110	23.32	26.87	26.34	23.93
111	22.93	26.51	25.92	23.61
112	22.55	26.15	25.50	23.29
113	22.17	25.78	25.08	22.97
114	21.79	25.42	24.66	22.65
115	21.42	25.05	24.00	22.33
116	21.42	24.68	23.84	22.00
117	20.67	24.00	23.43	22.01
118	20.30	23.94	23.02	21.36
119	19.93	23.57	22.61	21.03

120	19.57	23.20	22.21	20.70
120	19.20	22.83	21.80	20.70
121	18.84	22.46	21.00	20.00
122	18.48	22.40	21.40	19.72
123	18.13	22.09		19.72
			20.61	
125	17.77	21.34	20.21	19.06
126	17.42	20.96	19.81	18.72
127	17.06	20.59	19.42	18.39
128	16.71	20.21	19.03	18.06
129	16.37	19.83	18.64	17.72
130	16.02	19.45	18.25	17.39
131	15.67	19.07	17.86	17.05
132	15.33	18.69	17.48	16.71
133	14.99	18.31	17.09	16.38
134	14.65	17.93	16.71	16.04
135	14.30	17.55	16.32	15.70
136	13.97	17.17	15.94	15.36
137	13.63	16.79	15.56	15.02
138	13.30	16.40	15.19	14.68
139	12.96	16.02	14.81	14.34
140	12.50	15.64	14.01	14.00
	12.63			
141	12.30	15.25	14.06	13.65
142		14.87	13.68	13.31
143	11.64	14.48	13.31	12.97
144	11.31	14.09	12.94	12.62
145	10.99	13.71	12.57	12.28
146	10.66	13.32	12.20	11.93
147	10.34	12.93	11.83	11.59
148	10.01	12.54	11.46	11.24
149	9.69	12.16	11.09	10.89
150	9.37	11.77	10.73	10.55
151	9.05	11.38	10.36	10.20
152	8.73	10.99	10.00	9.85
153	8.41	10.60	9.63	9.50
154	8.09	10.21	9.27	9.15
155	7.77	9.82	8.91	8.80
156	7.46	9.43	8.55	8.45
157	7.14	9.04	8.19	8.10
158	6.82	8.65	7.83	7.75
159	6.51	8.26	7.03	7.40
160	6.20	7.86	7.11	7.05
	5.88		6.75	
161	5.88	7.47 7.08		6.70
162			6.39	6.35
163	5.26	6.69	6.03	6.00
164	4.95	6.30	5.68	5.65
165	4.63	5.90	5.32	5.30
166	4.32	5.51	4.96	4.94
167	4.01	5.12	4.61	5.59
168	3.70	4.72	4.25	4.24
169	3.39	4.33	3.90	3.89
170	3.08	3.94	3.54	3.53
171	2.77	3.54	3.19	3.18
172	2.47	3.15	2.83	2.83
173	2.15	2.75	2.48	2.47
174	1.85	2.36	2.12	2.12
175	1.54	1.97	1.77	1.77
176	1.23	1.58	1.41	1.41
177	0.92	1.18	1.06	1.06
178	0.62	0.79	0.71	0.71
179	0.31	0.39	0.35	0.35

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