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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



INSIDE CORNER

Left Side:

1. Miter **Right** at 45°
2. Save **Right End** of Cut



Right Side:

1. Miter **Left** at 45°
2. Save **Left End** of Cut



OUTSIDE CORNER

Left Side:

1. Miter **Left** at 45°
2. Save **Right End** of Cut



Right Side:

1. Miter **Right** at 45°
2. Save **Left End** of Cut



How to Cut Crown Molding: Compound Method (Flat)

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



Right Side:

1. **Bottom of Molding** Against Fence
2. Bevel Set at 33.85°
3. Miter **Left** at 31.62°
4. Save **Left End** of Cut



- * 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



Right Side:

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



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:

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



Right Side:

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



Left Side:

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



Right Side:

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



Angle Between Walls	52/38° Crown Molding		45/45° Crown Molding	
	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	34.12
76	38.24	38.39	42.15	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	32.52	34.53	36.21	30.57
89	32.07	34.20	35.74	30.29
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
101	26.91	30.08	30.24	26.73
102	26.50	29.73	29.80	26.42
103	26.09	29.38	29.36	26.12
104	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	24.25	22.33
116	21.04	24.68	23.84	22.01
117	20.67	24.31	23.43	21.68
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
121	19.20	22.83	21.80	20.38
122	18.84	22.46	21.40	20.05
123	18.48	22.09	21.00	19.72
124	18.13	21.71	20.61	19.39
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	12.63	15.64	14.43	14.00
141	12.30	15.25	14.06	13.65
142	11.97	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	7.47	7.40
160	6.20	7.86	7.11	7.05
161	5.88	7.47	6.75	6.70
162	5.57	7.08	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	4.59
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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