

## A Perfect Crown Molding with your Starrett 505 Protractor



- 1) Measure the corner angle near the ceiling. Note the Miter Cut value from the dial (inner scale).
- 2) Determine the spring angle (information available where you purchase your crown molding stock).
- 3) Refer to the compound cut conversion table (see back). Locate the row with the same "Miter Cut" value as your corner measurement.
- 4) Note the "Miter Angle" and "Bevel Angle" from the row that corresponds to the spring angle of your work piece stock (38° or 45°).
- 5) Refer to the table below and carefully set the miter angle and bevel angle on your compound miter saw, then position your work piece with reference to the blade and fence, as indicated. Then, cut your first work piece.
- 6) Reset the saw and position your second work piece as indicated by the table below. Then, cut your second work piece.

**The two work pieces should align perfectly for your crown molding.**

### Settings and Layout to Cut Crown Molding with a Compound Miter Saw

#### Inside Corner

##### Left Piece

Miter Swing: **Right**

Bevel Swing: **Left**

Work Piece Location: **Left** of Blade

Molding Edge Against Fence: **Top**

##### Right Piece

Miter Swing: **Left**

Bevel Swing: **Left**

Work Piece Location: **Left** of Blade

Molding Edge Against Fence: **Bottom**

#### Outside Corner

##### Left Piece

Miter Swing: **Left**

Bevel Swing: **Right**

Work Piece Location: **Right** of Blade

Molding Edge Against Fence: **Bottom**

##### Right Piece

Miter Swing: **Right**

Bevel Swing: **Right**

Work Piece Location: **Right** of Blade

Molding Edge Against Fence: **Top**

## Compound Cut Conversion Table

Miter Cut	38° Crown		45° Crown		Miter Cut	38° Crown		45° Crown	
	Miter Angle	Bevel Angle	Miter Angle	Bevel Angle		Miter Angle	Bevel Angle	Miter Angle	Bevel Angle
1	0.6	0.8	0.7	0.7	31	20.3	23.9	23.0	21.4
2	1.2	1.6	1.4	1.4	32	21.0	24.7	23.8	22.0
3	1.9	2.4	2.1	2.1	33	21.8	25.4	24.7	22.7
4	2.5	3.2	2.8	2.8	34	22.6	26.2	25.5	23.3
5	3.1	3.9	3.5	3.5	35	23.3	26.9	26.3	23.9
6	3.7	4.7	4.3	4.2	36	24.1	27.6	27.2	24.6
7	4.3	5.5	5.0	4.9	37	24.9	28.3	28.1	25.2
8	5.0	6.3	5.7	5.7	38	25.7	29.0	28.9	25.8
9	5.6	7.1	6.4	6.4	39	26.5	29.7	29.8	26.4
10	6.2	7.9	7.1	7.1	40	27.3	30.4	30.7	27.0
11	6.8	8.7	7.8	7.8	41	28.2	31.1	31.6	27.6
12	7.5	9.4	8.6	8.5	42	29.0	31.8	32.5	28.2
13	8.1	10.2	9.3	9.2	43	29.9	32.5	33.4	28.8
14	8.7	11.0	10.0	9.9	44	30.7	33.2	34.3	29.4
15	9.4	11.8	10.7	10.6	45	31.8	33.9	35.3	30.0
16	10.0	12.5	11.5	11.2	46	32.5	34.5	36.2	30.6
17	10.7	13.3	12.2	11.9	47	33.4	35.2	37.2	31.1
18	11.3	14.1	12.9	12.6	48	34.4	35.9	38.1	31.7
19	12.0	14.9	13.7	13.3	49	35.3	36.5	39.1	32.3
20	12.6	15.6	14.4	14.0	50	36.3	37.1	40.1	32.8
21	13.3	16.4	15.2	14.7	51	37.2	37.8	41.1	33.3
22	14.0	17.2	15.9	15.4	52	38.2	38.4	42.2	33.9
23	14.7	17.9	16.7	16.0	53	39.3	39.0	43.2	34.4
24	15.3	18.7	17.5	16.7	54	40.3	39.6	44.2	34.9
25	16.0	19.5	18.3	17.4	55	41.3	40.2	45.3	35.4
26	16.7	20.2	19.0	18.1	56	42.4	40.8	46.4	35.9
27	17.4	21.0	19.8	18.7	57	43.5	41.4	47.4	36.4
28	18.1	21.7	20.6	19.4	58	44.6	41.9	48.5	36.8
29	18.8	22.5	21.4	20.1	59	45.7	42.5	49.6	37.3
30	19.6	23.2	22.2	20.7	60	46.8	43.0	50.8	37.8



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