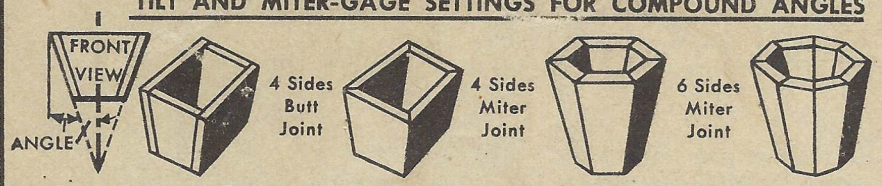
tables

TILT AND MITER-GAGE SETTINGS FOR COMPOUND ANGLES



Work Angle	Tilt Table	Miter Gage	Tilt Table	Miter Gage	Tilt Table	Miter Gage	Tilt Table	Miter Gage
5°	½	85	44¾	85	29¾	87½	22¼	88
10°	1½	80¼	44¼	80¼	29½	84½	22	86
15°	3¾	75½	43¼	75½	29	81¾	21½	84
20°	6¼	71	42	71	28¼	79	21	82
25°	10	67	40	67	27¼	76½	20¼	80
30°	14½	63½	37¾	63½	26	74	19¼	78¼
35°	19½	60¼	35¼	60¼	24½	71¾	18¼	76¾
40°	24½	57¼	32¾	57¼	22¾	69¾	17	75
45°	30	54¾	30	54¾	21	67¾	15¾	73¾
50°	36	52½	27	52½	19	66¼	14¼	72½
55°	42	50¾	24	50¾	16¾	64¾	12¾	71¼
60°	48	49	21	49	14½	63½	11	70¼

FIGURES ARE IN DEGREES AND ARE FOR DIRECT SETTING TO TILT SCALE AND MITER GAGE SCALE PROVIDING TILT STARTS AT 0° AND MITER GAGE AT 90° IN NORMAL POSITION.

BEVELS AND MITERS

Figure	Sides	Ripping (Tilt Table)	Crosscutting (Set Miter Gage)	Figure	Sides	Ripping (Tilt Table)	Crosscutting (Set Miter Gage)
Triangle	3	.....	30°	Octagon	8	22.5°	67.5°
Square	4	45°	45°	Nonagon	9	20°	70°
Pentagon	5	36°	54°	Decagon	10	18°	72°
Hexagon	6	30°	60°	Undecagon	11	16.62°	73.38°
Heptagon	7	25.83°	64.17°	Dodecagon	12	15°	75°

SAW SPEEDS

DIAMETER OF SAW	ARBOR SPEED
6	6300 RPM
7	5400 RPM
8	4700 RPM
10	3800 RPM
12	3200 RPM

TENON DIMENSIONS

Thickness of Work	Thickness of Tenon	Corresponding Mortise
⅜ inch	⅛ inch	⅛ inch router bit
½ inch	⅛ inch	⅛ inch router bit
¾ inch	¼ inch	¼ in. hollow chisel
⅞ inch	¼ or $\frac{5}{16}$ inch	¼ or $\frac{5}{16}$ in. chisel
1 inch	$\frac{5}{16}$ inch	$\frac{5}{16}$ in. hollow chisel
1⅛ inch	⅜ inch	⅜ in. hollow chisel
1¼ inch	⅜ or $\frac{7}{16}$ inch	⅜ or $\frac{7}{16}$ in. chisel
1½ inch	½ inch	½ in. hollow chisel
1¾ inch	$\frac{9}{16}$ inch	⅜ in. chisel (two rows)

These are maximum tenon thicknesses. The next size smaller is often satisfactory, especially in the larger sizes.