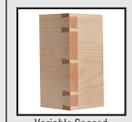
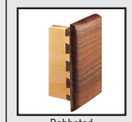
DOVETAIL JOINTS

DOVETAIL JOINTS

Model	Through					Half-Blind						Sliding	Box Joints				Advanced Joints	
	Fixed Spaced Through	Variable Spaced Through	Narrow Pins Through	Fixed Spaced Miniature Through	 Variable Spaced Miniature Through	Single Pass Fixed Spaced Half-Blind	Variable Spaced Half-Blind	Narrow Pins Half-Blind	Fixed Spaced Miniature Half-Blind	Variable Spaced Miniature Half-Blind	 Rabbeted Half-Blind	Sliding Dovetail	Fixed Spaced Box (Finger)	Variable Spaced Box (Finger)	Fixed Spaced Miniature Box (Finger)	Variable Spaced Miniature Box (Finger)	Inlaid Dovetails	Angle Joints
4210	w/4213	w/4213 **(SEE NOTE 2)**	No	w/4215	w/4215 **(SEE NOTE 2)**	Yes	Yes **(SEE NOTE 2)**	w/4215 **(SEE NOTE 2)**	w/4215	w/4215 **(SEE NOTE 2)**	Yes	Yes	1/2" w/4213 **(SEE NOTE 1)**	No	1/4" w/4215 **(SEE NOTE 1)**	No	Yes **(SEE NOTE 2)**	Yes **(SEE NOTE 2)**
4212	Yes	Yes **(SEE NOTE 2)**	No	w/4215	w/4215 **(SEE NOTE 2)**	Yes	Yes **(SEE NOTE 2)**	w/4215 **(SEE NOTE 2)**	w/4215	w/4215 **(SEE NOTE 2)**	Yes	Yes	Yes - 1/2" **(SEE NOTE 1)**	No	1/4" w/4215 **(SEE NOTE 1)**	No	Yes **(SEE NOTE 2)**	Yes **(SEE NOTE 2)**
4216	Yes	Yes **(SEE NOTE 2)**	No	Yes	Yes **(SEE NOTE 2)**	Yes	Yes **(SEE NOTE 2)**	Yes **(SEE NOTE 2)**	Yes	Yes **(SEE NOTE 2)**	Yes	Yes	Yes - 1/2" **(SEE NOTE 1)**	No	Yes - 1/4" **(SEE NOTE 1)**	No	Yes **(SEE NOTE 2)**	Yes **(SEE NOTE 2)**
55160	w/ 55161	w/55161	w/55161	w/55166	w/55166	Yes	w/55161	w/55166	w/55166	w/55166	Yes	Yes **(SEE NOTE 3)**	w/77245 & 55161	w/77245 & 55161	w/55165 & 55166	w/55165 & 55166	Yes **(SEE NOTE 2)**	Yes **(SEE NOTE 2)**
77240	Yes	Yes	Yes	w/77246	w/77246	Yes	Yes	w/77246	w/77246	w/77246	Yes	w/77248 **(SEE NOTE 3)**	w/77245	w/77245	w/55165 & 77246	w/55165 & 77246	Yes **(SEE NOTE 2)**	Yes **(SEE NOTE 2)**

Board Capacities	Model 4210	Model 4212	Model 4216	Model 55160	Model 77240
Maximum Thickness	1-1/8"	1-1/8"	1-1/8"	1-1/2"	1-1/2"
Minimum Thickness	1/4"	1/4"	1/4"	1/8"	1/8"
Maximum Width	12" **(SEE NOTE 4)**	12" **(SEE NOTE 4)**	12" **(SEE NOTE 4)**	16" **(SEE NOTE 4)**	24" **(SEE NOTE 4)**
Maximum Through Dovetail Thickness	1" **(SEE NOTE 2)**	1" **(SEE NOTE 2)**	1" **(SEE NOTE 2)**	1-1/2"	1-1/2"
Maximum Half-Blind Dovetail Thickness	1-1/8"	1-1/8"	1-1/8"	1-1/2"	1-1/2"

Features	Benefits	Model 4210	Model 4212	Model 4216	Model 55160	Model 77240
Pre-Assembled	Quick Set-Up	Yes	Yes	Yes	Yes	Yes
Directly Attaches to Work Bench		Yes - Clamp or Drill	Yes - Clamp or Drill	Yes - Clamp or Drill	Yes - Clamp or Drill	Yes - Clamp or Drill
Pre-Set Router Bit Depth Gauges	Application Repeatability / Minimized Test Cuts	Yes	Yes	Yes	Yes	Yes
Board Alignment Lines		Yes	Yes	Yes	Yes	w/77248
Pre-Set Template Positioning Stops		No	No	No	Yes **(SEE NOTE 6)**	Yes **(SEE NOTE 6)**
On-Board Operating Instructions	Ease of Use	Yes	Yes	Yes	Yes	Yes
Single Lever Cam Action Clamping Mechanism		Yes	Yes	Yes	Yes	Yes
Router Stabilizer Bar		No	No	No	Yes	Yes
Precision Machined Templates and/or Adjustable Fingers	Superior Joint Accuracy	Yes	Yes	Yes	Yes	Yes
Textured Clamping Surfaces		Yes - Abrasive Coating	Yes - Abrasive Coating	Yes - Abrasive Coating	Yes - Machined Aluminum	Yes - Machined Aluminum
1/2" Shank Router Bits		Yes **(SEE NOTE 5)**	Yes **(SEE NOTE 5)**	Yes **(SEE NOTE 5)**	Yes **(SEE NOTE 5)**	Yes **(SEE NOTE 5)**
Metal Jig Base	Long Term Durability	Single Piece Steel	Single Piece Steel	Single Piece Steel	Pivoting 2-Piece Aluminum	Pivoting 2-Piece Aluminum
Metal Clamping Bars & Levers		Yes	Yes	Yes	Yes	Yes
Dust Collection Shroud	System Support	No	No	No	55164	77244
Accessory Storage Case		No	No	No	77249	77249

(NOTE 1) Requires straight bit(s) to complete application (NOTE 2) Advanced techniques are required to achieve the joint and limitations may apply (NOTE 3) Sliding dovetail is tapered to assist in the assembly of joint (NOTE 4) All jigs are capable of handling infinite widths (for through dovetail applications) using advanced techniques
(NOTE 5) 4200 series uses 1/4" shank bits for all miniature joints while OMNIJIG uses 1/4" shanks on specific miniature applications (NOTE 6) Template Positioning Stops provide repeatability across changing applications and material sizes