The Multiple Mortise and Tenon Joint

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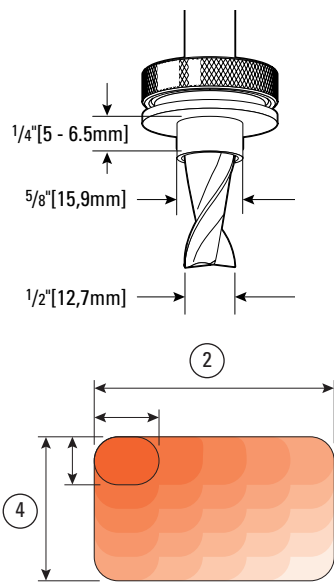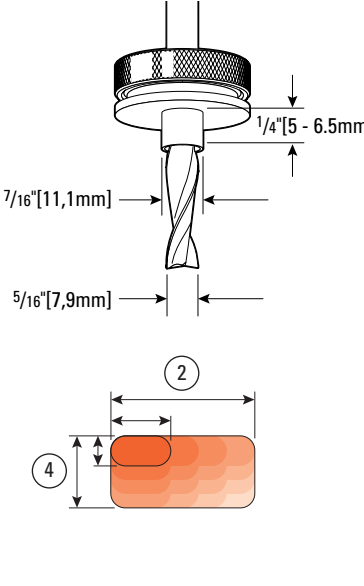
Joint Description
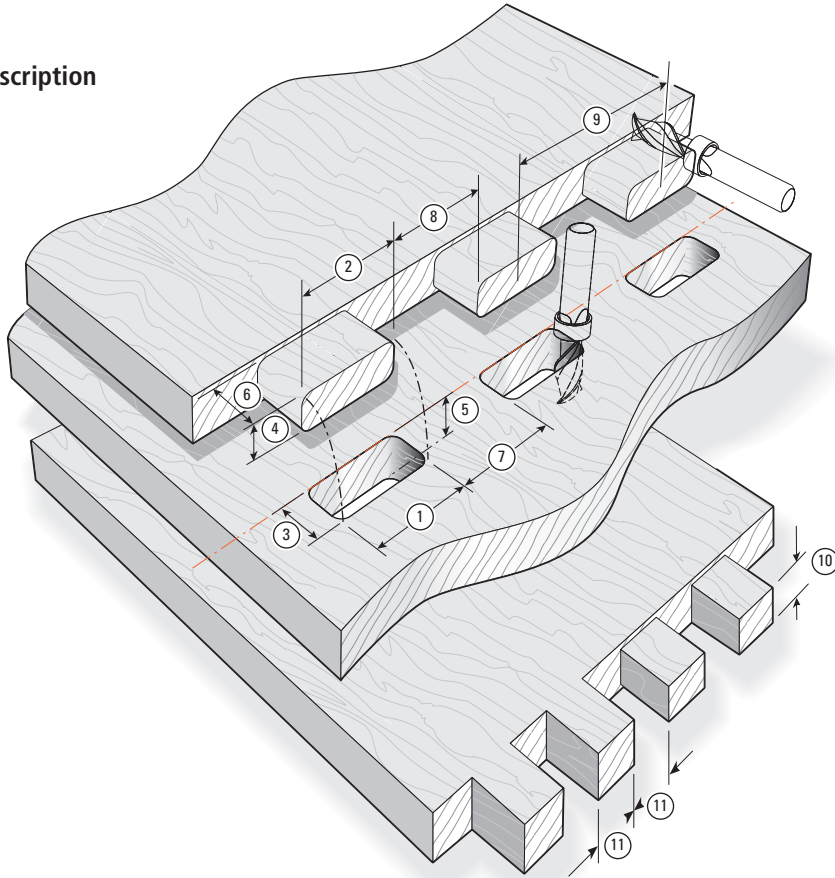
WIDTH	① **Mortise Width** is controlled by the distance between single guidefingers.	② **Tenon Width** is controlled by the distance between single guidefingers – the same setting as for the mortises!
HEIGHT	③ **Mortise Height** is controlled by the distance between the finger rail and mortise fence.	④ **Tenon Height** and ⑩ **Square Tenon Height** are controlled by the finger scale setting.
DEPTH	⑤ **Mortise Depth** is controlled by the depth of cut of the router cutter.	⑥ **Tenon Depth** is controlled by the depth of cut of the router cutter.
SPACING	⑦ **Mortise Spacing** is controlled by the distance between pairs of guidefingers.	⑧ **Tenon Spacing** and ⑪ **Finger Joint Spacing** are controlled by the distance between pairs of guidefingers – the same setting as for the mortises!

Note: Closest mortise and tenon centres ⑨: 1¼"[31,75 mm]

Joint Technical Specifications, Guidebush and Cutter Selection

	Option 1: ⅝"[15,9mm] outside dia. Guidebush and ½"[12,7mm] Spiral Upcut Cutter*	**Option 2:** ⁷⁄₁₆"[11,1mm] outside dia Guidebush and ⁵⁄₁₆"[7,9mm] Spiral Upcut Cutter
Width of Joint	Up to 24"[610mm]	Up to 24"[610mm]
Tenon Board Thickness	½"[13mm] to 1½"[38mm]	⁵⁄₁₆"[8mm] to ¾"[20mm]
Mortise Board Thickness	Up to 1½"[38mm]	Up to ¾"[20mm]
④ Tenon Height	½"[12,7mm] to 1½"[38mm]	⁵⁄₁₆"[7,9mm] to ¾"[20mm]
② Tenon Width	⅝"[15,9mm] to 2¼"[60mm]	⅝"[15,9mm] to 1½"[40mm]
⑩ "Square" Tenon Height	½"[12,7mm] to 1⅜"[35mm]	⁵⁄₁₆"[7,9mm] to ¾"[20mm]
⑪ Finger Joints	⅝"[15,9mm] width/up, variable	⅝"[15,9mm] width/up, variable
⑨ Closest Tenon Centres	1¼"[31,75mm]	1¼"[31,75mm]

Notes
* ½"[12,7mm] spiral upcut bit HSS, standard equipment.
Guidebushes must have a minimum ⁷⁄₃₂"[5mm] to maximum ¼"[6,5mm] projection from router base.

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