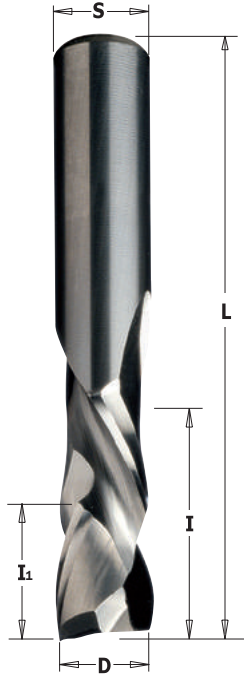


Solid Carbide Compression Spiral Bits



Solid carbide spiral bits are a great choice for anyone who is serious about performance and value. Spiral Bits are unsurpassed for cleaner cuts in ordinary or difficult materials, softwood, hardwood, plywood, composites etc.



190 Compression Upcut & Downcut 2+2-Edge



ORDER NO.	PACK QTY.	D		I	I ₁	L	S
Right-hand rotation		inches	mm	inches	inches	inches	inches
190.504.11	10	3/8	9.53	1-1/8	9/32	3	3/8
190.505.11	10	1/2	12.7	1	5/8	3	1/2
190.506.11	10	1/2	12.7	1-1/8	5/8	3	1/2
190.507.11	10	1/2	12.7	1-3/8	5/8	3-1/2	1/2
190.508.11	10	1/2	12.7	1-5/8	5/8	4	1/2
10 pcs. in Masterpack							
190.504.11-X10		3/8	9.53	1-1/8	9/32	3	3/8
190.507.11-X10		1/2	12.7	1-3/8	5/8	3-1/2	1/2

190 Compression Upcut & Downcut 3+3-Edge

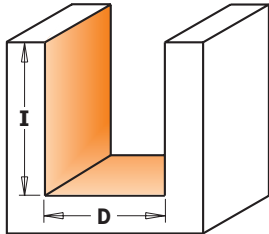


ORDER NO.	PACK QTY.	D		I	I ₁	L	S
Right-hand rotation		inches	mm	inches	inches	inches	inches
190.813.11	10	3/8	9.53	1	13/64	3	3/8

190 Mortise Compression Upcut & Downcut 2+2-Edge



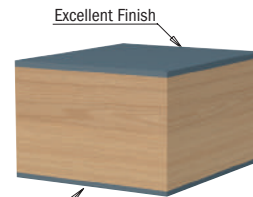
ORDER NO.	PACK QTY.	D		I	I ₁	L	S
Right-hand rotation		inches	mm	inches	inches	inches	inches
190.513.11	10	3/8	9.53	7/8	3/16	3	3/8
190.515.11	10	1/2	12.7	7/8	13/64	3	1/2
190.517.11	10	1/2	12.7	1-3/8	13/64	3-1/2	1/2
10 pcs. in Masterpack							
190.517.11-X10		1/2	12.7	1-3/8	13/64	3-1/2	1/2



Drawing is 1:1 scale



X10 (10 pcs. in Masterpack)



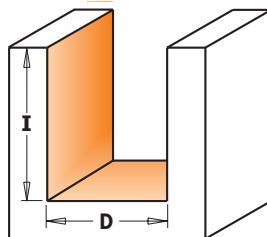
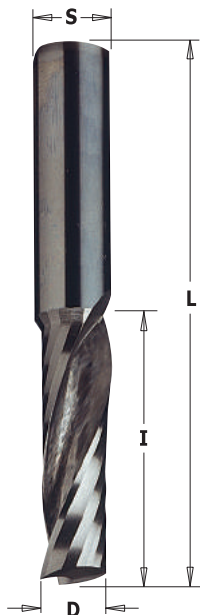
Excellent Finish

Solid Carbide Upcut 1-Edge Spiral Bits

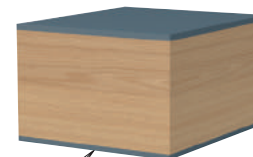
198 Upcut 1-Edge Spiral Bits



ORDER NO.	PACK QTY.	D		I	L	S
Right-hand rotation		inches	mm	inches	inches	inches
198.007.11	10	1/4	6.35	3/4	2	1/4
198.008.11	10	1/4	6.35	1	2-1/2	1/4
198.504.11	10	3/8	9.52	1-1/8	3	3/8



Drawing is 1:1 scale



Excellent Finish