

3xD

# Series 160 (Diamond Coated) & 170 (Bright)

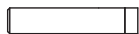
Application Materials:



Diamond Coated



External Coolant

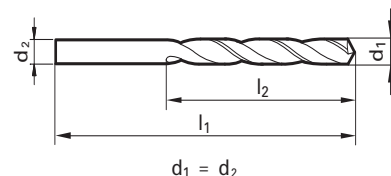


Straight Shank

## 90° Drill for Composite Materials

Carbide, 90° faceted point geometry, diamond coated tip

Diameter tolerance  $-.0005''$  / Shank tolerance h6



Contact Tech Support  
for feeds & speeds

Dec. inch	Diameter (d1)			l1 mm	l2 mm	Series 160 Order Code (Diamond Coated)	Series 170 Order Code (Bright)
	Fract. inch	Wire / letter	mm				
0.0980			2.489	43.00	14.00	344001454	380258770
0.1285			3.264	49.00	18.00	344001455	380258771
0.1420			3.607	52.00	20.00	344001456	380258772
0.1665		19*	4.229	58.00	24.00	344001457	380258773
0.1734		17*	4.404	58.00	24.00	344001458	380247152
0.1915			4.864	62.00	26.00	344001459	380247153
0.2220			5.639	66.00	28.00	344001460	380258776
0.2510	1/4*		6.375	70.00	31.00	344001461	380247154
0.3135	5/16*		7.963	79.00	37.00	344001462	380247155
0.3760	3/8*		9.550	89.00	43.00	344001463	380247156
0.4385	7/16*		11.138	95.00	47.00	344001464	380258782
0.5010	1/2*		12.725	102.00	51.00	344001465	380247159

Material-specific design and grade to machine carbon fiber-reinforced polymer (CFRP) composite materials by minimizing delamination and increasing tool life.

Special 90° point angle increases hole quality, with low thrust and improved hole quality.

Diamond coated for resistance to abrasion wear. Combination of point design, substrate, and coating provides longer tool life with substantially less cutting force.

\*Approximate final hole size

