



GUHRING

The Tool Company

90° Stub Length Drill for *Composite Materials

- Material-specific design minimizes delamination and increases tool life
- Special 90° point angle increases hole quality and lowers thrust requirements
- Diamond coated for resistance to abrasion wear

NEW



Diameter (d1)				l1 mm	l2 mm	Series 160 Order Code (Diamond Coated)	Series 170 Order Code (Bright)
Dec. inch	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



**For a more complete listing of Guhring's standard and special tooling for composite materials, see our Composites and Aerospace brochure*

Guhring, Inc.

1445 Commerce Ave, Brookfield WI 53045

Phone (800) 776-6170 Fax (262) 784-9096

Visit our website at www.guhring.com