

# PAN AMERICAN TOOL CORPORATION

COMPOSITE CUTTING TOOLS



2014

CARBIDE BRAD POINT DRILLS

Specifically designed for drilling graphite and aramid fiber (KEVLAR®) reinforced composite materials. The specially modified tip of the drill bit keeps the composite fibers in tension while cutting them in shear which results in no delaminating eliminating "fuzz" or "fray" when the drill bit exits the material creating a more precise hole.



SIZE	PART NUMBER	DESCRIPTION	OVERALL LENGTH	FLUTE LENGTH INCHES	UNIT PRICE
#10	47-196	BRAD POINT CARBIDE	3"	1.25	\$26.25
#21	47-197	BRAD POINT CARBIDE	3"	1.25	23.75
#30	47-198	BRAD POINT CARBIDE	3"	1.25	20.90
#40	47-199	BRAD POINT CARBIDE	3"	1.25	20.45
3/32"	47-200	BRAD POINT CARBIDE	3"	1.25	20.45
1/8"	47-201	BRAD POINT CARBIDE	3"	1.25	20.90
5/32"	47-202	BRAD POINT CARBIDE	3"	1.25	23.75
3/16"	47-203	BRAD POINT CARBIDE	3"	1.25	26.15
1/4"	47-204	BRAD POINT CARBIDE	3"	1.25	30.40

CARBIDE DRILL/REAMER

Generally used for opening pre-drilled holes in composite materials. Manufactured in solid carbide. Carbide combination drill reamers allow you to drill and ream in one operation, eliminating multiple tools and steps. Also known as a "one-shot" drill-reamer, this tool can be used for hand drilling through a bushing or with power or positive feed drill motors. These drills are excellent for drilling graphite composites. Also available in threaded shank.



SIZE	PART NUMBER	DESCRIPTION	OVERALL LENGTH	UNIT PRICE
#10	50-850	DRILL/REAMER	6"	\$32.80
#21	50-689	DRILL/REAMER	6"	28.50
#30	49-713	DRILL/REAMER	6"	27.55
#40	50-698	DRILL/REAMER	6"	26.15
3/32"	43-756	DRILL/REAMER	6"	26.15
1/8"	40-927	DRILL/REAMER	6"	26.60
5/32"	40-928	DRILL/REAMER	6"	28.50
3/16"	43-757	DRILL/REAMER	6"	31.35
1/4"	50-186	DRILL/REAMER	6"	37.55

CARBIDE DAGGER DRILLS

Carbide Dagger Drills are used to produce holes in composite materials and/or graphite-aluminum stack ups in thicknesses of 1/4" or less. The dagger rill have proved to be the best drill for drilling on backed carbon fiber because of its ability to reduce delamination and at the same time produce a precise hole.



SIZE	PART NUMBER	DESCRIPTION	OVERALL LENGTH	UNIT PRICE
#6	49-353	DAGGER DRILL CARBIDE	6"	\$38.00
#8	49-354	DAGGER DRILL CARBIDE	6"	33.00
#10	43-099	DAGGER DRILL CARBIDE	6"	32.80
#12	43-356	DAGGER DRILL CARBIDE	6"	33.00
#20	49-357	DAGGER DRILL CARBIDE	6"	29.00
#21	49-358	DAGGER DRILL CARBIDE	6"	29.95
#30	43-694	DAGGER DRILL CARBIDE	6"	29.00
#40	44-992	DAGGER DRILL CARBIDE	6"	27.55
3/32"	43-755	DAGGER DRILL CARBIDE	6"	27.55
1/8"	43-702	DAGGER DRILL CARBIDE	6"	28.05
5/32"	48-158	DAGGER DRILL CARBIDE	6"	29.95
3/16"	43-613	DAGGER DRILL CARBIDE	6"	33.25
1/4"	49-359A	DAGGER DRILL CARBIDE	6"	38.00