

DIA-D-STAD

Triple Angle Drill

Diamond Coated

The D-STAD is a patent pending diamond coated drill specifically designed to eliminate fiber breakout and delamination issues on both entry and exit of drilled holes. The drill features patent pending triple angle geometry with OSG's patented diamond coating.

PATENT PENDING



EDP Number	Mill Diameter	Length	OAL	Shank Diameter	Stock	Price
	D	L	L	d		
48154001	4	30	80	4	●	
48154002	6	40	90	6	●	
48154003	8	50	100	8	●	
48154004	1/4	38	88	1/4	●	

Packed: 1 pc. Available Diamond coating only.

Recommended Cutting Conditions

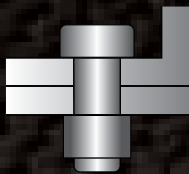
Depth of Cut	50 ~ 100 m/min	
Speed m/min.	50 ~ 100 m/min	
Dia	RPM	F (mm/rev.)
4	4.000 ~ 8.000	0,03 ~ 0,05
6	2.600 ~ 5.300	0,04 ~ 0,07
8	2.500 ~ 5.000	0,04 ~ 0,08
1/4	2.000 ~ 4.000	0,05 ~ 0,07

Applications

- ◆ Excels in carbon and glass composites and honeycombs
- ◆ For non-countersunk holes
- ◆ Excellent in CFRP & Al stack applications

Features

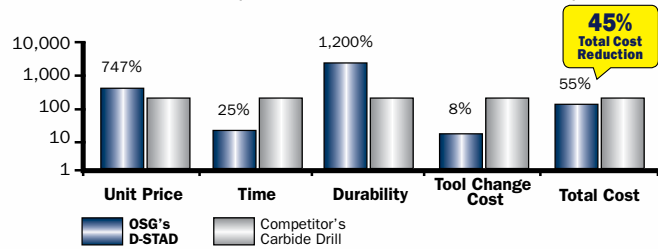
- ◆ Patented triple angle geometry to reduce push-out exit delamination
- ◆ Straight-fluted to eliminate the pull-up entrance delamination



Performance Highlights

OSG's Triple Angle Drill vs. Competitor's Carbide Tapered Drill

Initial Cost of D-STAD > Competitor • Total Cost for D-STAD < Competitor



OSG's Triple Angle Drill vs. Competitor's PCD Twist Drill

Tool Life of D-STAD > Competitor's Twist Drill

Diameter	Speed	Feed	Thickness
6 mm	100 m/min.	0,06 mm/rev	20 mm

	(Holes)	200 (Holes)	400 (Holes)	600 (Holes)	800 (Holes)
Competitor's PCD twist Drill					
D-STAD					
Competitor's PCD twist Drill					
D-STAD					

A considerable quality difference at the exit.