

Using the latest in engineering design and grinding capabilities, the new Series 29 Plastic Composite Router (PCR) is specifically designed for machine routing glass reinforced composite materials, such as fiberglass and G10, as well as most other common plastic and non-metallic materials. This PCR is offered in a variety of length and diameter options as well as 3 different end styles; no end cut, end mill cut and drill point. All sizes and end configurations are available from stock uncoated or with optional DI-NAMITE for superior wear and increased tool life.

- Radial chisel edge design provides smoother cuts and longer tool life.
- Designed for enhanced wear resistance in abrasive non-metallic materials.
- Manufactured using high performance substrate specifically for machining abrasive materials.
- Maximum performance with optional Di-NAMITE coating.



Series 29 PCR is available with the hardest coating available with the best abrasion resistance. The engineered application process allows for maximum adhesion and smooth coating structure held to tight tolerances for consistent batch to batch results. Diamond is the longest wearing surface of any material allowing for improved cutting edge performance and improved surface finishes. The extremely high thermal properties protect the cutting edge from excessive heat to extend tool life.

Microhardness: > 8000HV

Oxidation Temperature: 800°C - 1470°F

Coefficient of Friction: 0.15 - 0.2

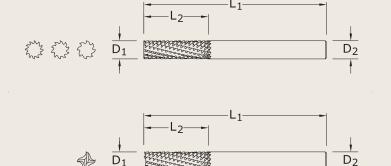
Thickness: 6 – 20 Microns (based on tool diameter)

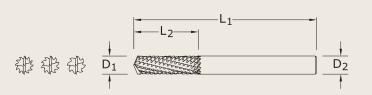
IDEAL INDUSTRIES:

- Aerospace
- Automotive
- Power Generation

TOLERANCES (inch)					
DIAMETER	D ₁	D_2			
All	+.0000 /0005	h6			

TOLERANCES (mm)						
DIAMETER	D_1	D ₂				
All	+0,000 / -0,130	h6				





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	Cutting Diameter (D ₁)	Length of Cut (L ₂)	Overall Length (L ₁)	Shank Diameter (D ₂)	End Style	Number of Flutes	Uncoated EDP No.	Di-NAMITE (TD) EDP No.
	1/8	1/2	1-1/2	1/8	No End Cut	8	74280	75080
SERIES 29 FRACTIONAL)	1/8	1/2	1-1/2	1/8	End Mill	8	74281	75081
	1/8	1/2	1-1/2	1/8	Drill	8	74282	75082
	1/4	1	2-1/2	1/4	No End Cut	10	74283	75083
	1/4	1	2-1/2	1/4	End Mill	10	74284	75084
	1/4	1	2-1/2	1/4	Drill	10	74285	75085
	5/16	1	2-1/2	5/16	No End Cut	12	74286	75086
	5/16	1	2-1/2	5/16	End Mill	12	74287	75087
	5/16	1	2-1/2	5/16	Drill	12	74288	75088
	3/8	1-1/8	2-1/2	3/8	No End Cut	12	74289	75089
	3/8	1-1/8	2-1/2	3/8	End Mill	12	74290	75090
	3/8	1-1/8	2-1/2	3/8	Drill	12	74291	75091





	Cutting Diameter (D ₁)	Length of Cut (L ₂)	Overall Length (L₁)	Shank Diameter (D ₂)	End Style	Number of Flutes	Uncoated EDP No.	Di-NAMITE (TD) EDP No.
	3,0	12,0	38,0	3,0	No End Cut	8	84280	85080
	3,0	12,0	38,0	3,0	End Mill	8	84281	85081
	3,0	12,0	38,0	3,0	Drill	8	84282	85082
	6,0	25,0	63,0	6,0	No End Cut	10	84283	85083
	6,0	25,0	63,0	6,0	End Mill	10	84284	85084
	6,0	25,0	63,0	6,0	Drill	10	84285	85085
	8,0	25,0	63,0	8,0	No End Cut	12	84286	85086
	8,0	25,0	63,0	8,0	End Mill	12	84287	85087
	8,0	25,0	63,0	8,0	Drill	12	84288	85088
	10,0	25,0	63,0	10,0	No End Cut	12	84289	85089
	10,0	25,0	63,0	10,0	End Mill	12	84290	85090
	10,0	25,0	63,0	10,0	Drill	12	84291	85091

SERIES 29M