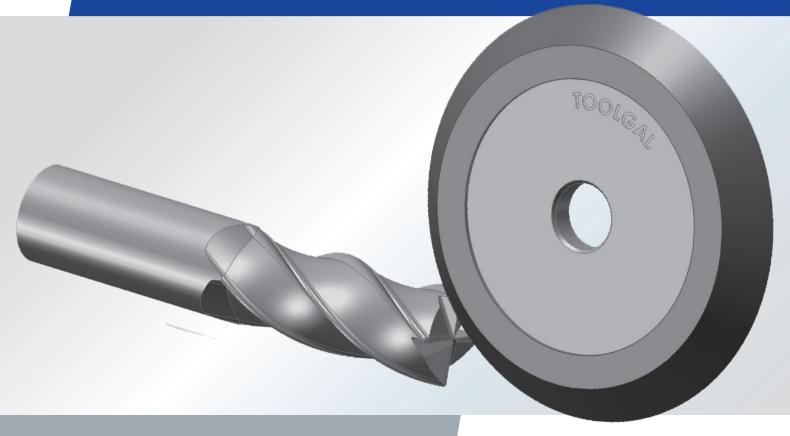


GASH GRINDING: THE CHALLENGE

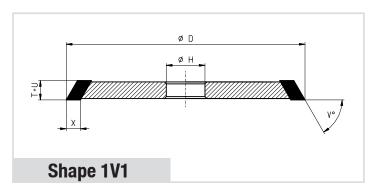


- Gashing requires higher profile consistency (of the grinding wheel) in comparison to fluting, due to the high edge quality required of carbide tools. However, there may still be substantial material removal in the gashing of end cutters. Hence, the demand for large removal capacity is high in this case as well.
- In the gashing operation, contact area is relatively large, requiring proper cooling.
- A peripheral speed of 22-25 m/s is recommended.
- Higher speeds make the wheel work harder, thus requiring more cooling.
- Lower speeds make the wheel work softer, which means rapid wear, but less cooling required.
- The Toolgal RM6/5 Gash Grinding wheels are very effective in the gashing operation, with very large stock removal capacity and high profile consistency.
- Good profile and corner stability
- Fast cutting speed
- Sharp wheel edge
- Optimal grit size: D64 C100 (270#)

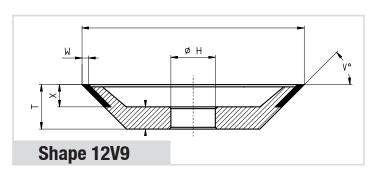
Suitable Shapes 1V1, 3V1, 14V1, 12V9

Toolgal Standard Program for Gash Grinding

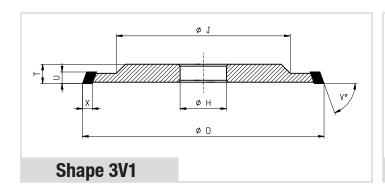
Specifications		Recommended Cutting Speed [m/s]				
Diamond	RM6/5 D64 C100	20-25				
CBN	RM9 B107 V240	25-40				

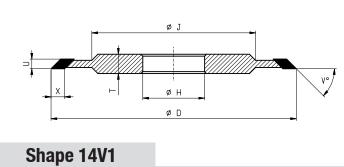


1V1				Bonds Available			
D Ø	Т	X	Х	Dian	CBN		
50	6,8,10	6	10	RM6	RM5	RM9	
75	6,8,10,12,15	6	10	RM6	RM5	RM9	
100	6,8,10,12,15	6	10	RM6	RM5	RM9	
125	6,8,10,12,15	6	10	RM6	RM5	RM9	



12V9			Bonds Available			
D	U	X	Diamond		CBN	
75	2,3	10	RM6	RM5	RM9	
100	2,3	10	RM6	RM5	RM9	
125	2,3	10	RM6	RM5	RM9	







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3V1 14V1				Bonds Available			
D	U	X=6mm	X=10mm	Diamond		CBN	
50	2,4,5	6		RM5		RM9	
	6,8,10	6	10	RM5	RM6	RM9	
75	2,3,4,5	6		RM5		RM9	
	6,8,10,12,15	6	10	RM5	RM6	RM9	
100	2,3,4,5	6		RM5		RM9	
	6,8,10,12,15	6	10	RM5	RM6	RM9	
125	2,3,4,5	6		RM5		RM9	
	6,8,10,12,15	6	10	RM5	RM6	RM9	