ALCA TOOLS LIMITED
ESTABLISHED 1974
Tel. +44 (0)1227 366051 Fax. +44 (0)1227 740033
Email sales@alcatools.co.uk Web www.alcatools.co.uk

Innovation

New roughing geometry -R83

Process security in railway wheel turning

EN

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Application - product characteristics

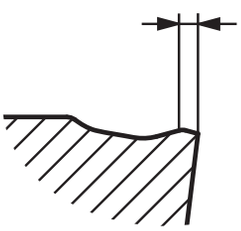
Geometry -R83

NEW

Optimal distance between cutting edge and chip breaker to ensure ideal swarf control

New, optimized chip groove with specially adapted rake angle to reduce cutting forces

Stable protective chamfer enables economic roughing without insert breakage



Indexing grooves 3 x 120° for secure insert locking using the clamping claw particularly designed for this purpose and to reduce the number of insert breakages

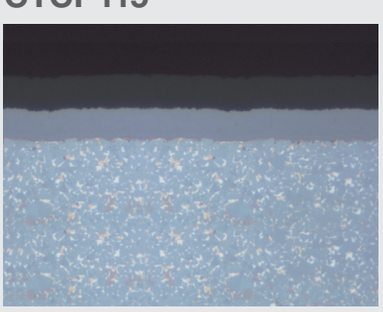
20° hole for efficient clamping

Well-proven edge hone to prevent chipping and edge flaking

Cutting materials

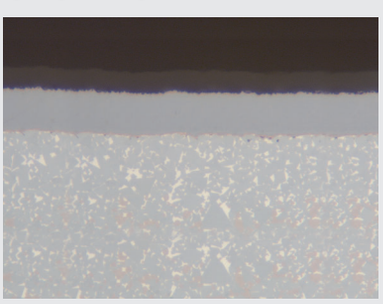
- ☐ Extreme heat resistance
- ☐ High toughness
- ☐ Excellent resistance to notching
- ☐ CVD high-performance coating with maximum hardness and extremely smooth surface

CTCP115



- ☐ Lightly interrupted cut
- ☐ Materials with higher tensile strength
- ☐ Higher cutting parameters

CTCP125



- ☐ Universal application
- ☐ Varying depth of cut
- ☐ Irregular skin and heavy skin
- ☐ Severely interrupted cut
- ☐ Materials with medium tensile strength

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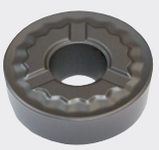
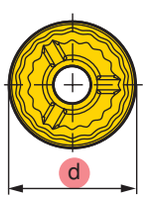
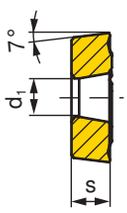
RCMX



-R83

d [mm]	Type, description	L N R	CTCP115	CTCP125			s [mm]	d_1 [mm]		
32,00	RCMX 3209MOSN-R83	N	●	●			9,52	9,50		
		Steel	●	●						
		Stainless	○	○						
		Cast iron	●	●						
		Non ferrous metals								
		Heat resistant	○							
		Hard materials								





● Main application
○ Extended application
● International CERATIZIT range, for present availability see price list

Ordering example: 10 pieces RCMX 3209MOSN-R83 CTCP115

Tooling systems available upon request:

- ☐ PSC according to ISO 26623
- ☐ HSK-T
- ☐ UTS
- ☐ Tool shanks