

Innovation



New roughing geometry -R83

Process security in railway wheel turning



EN



Application - product characteristics

Geometry -R83

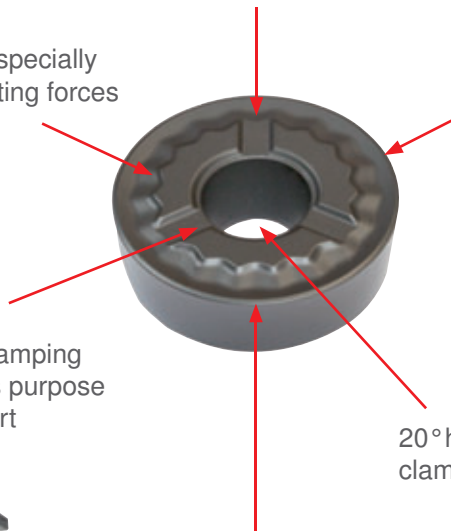
NEW

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

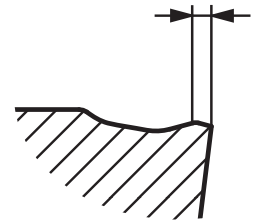
Stable protective chamfer enables economic roughing without insert breakage

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

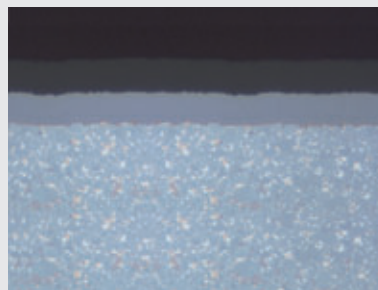
Well-proven edge hone to prevent chipping and edge flaking



Cutting materials

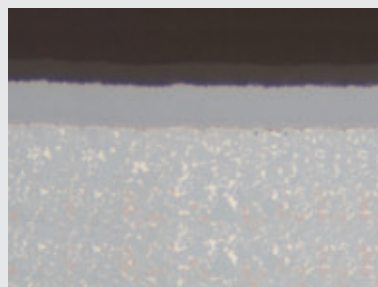
- Extreme heat resistance
- High toughness
- Excellent resistance to notching
- CVD high-performance coating with maximum hardness and extremely smooth surface

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

RCMX

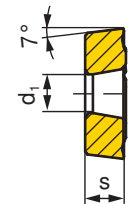
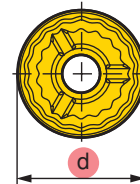


-R83

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

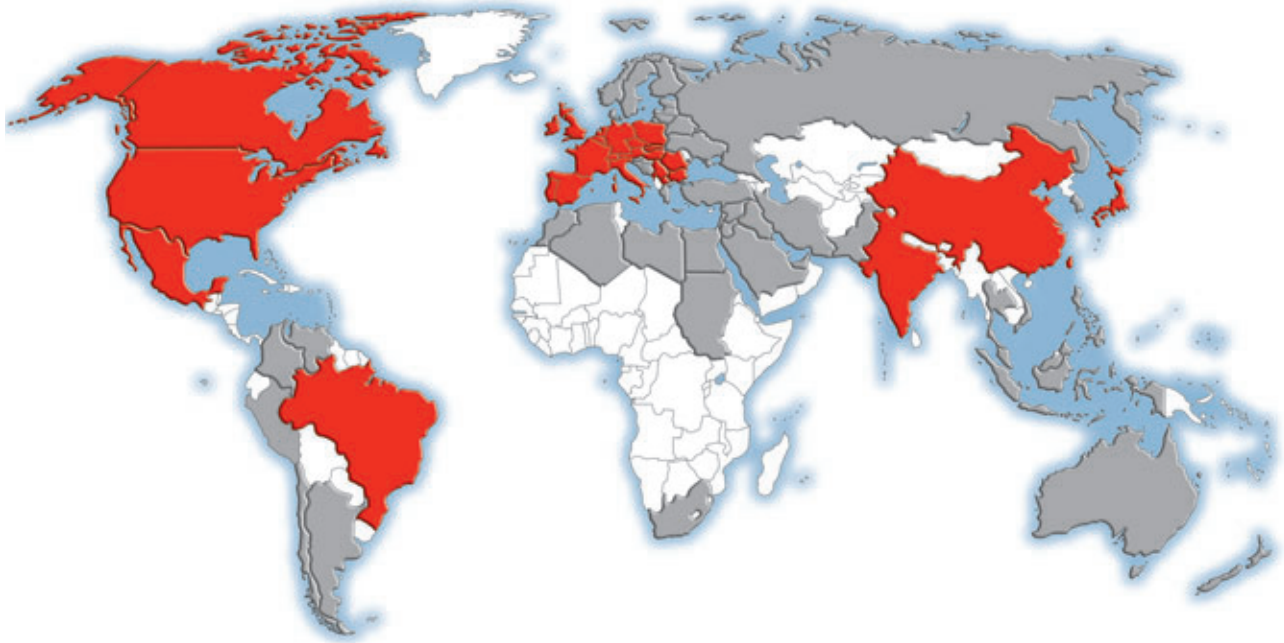
Ordering example: 10 pieces RCMX 3209MOSN-R83 CTCP115

Tooling systems available upon request:

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



CERATIZIT worldwide



- CERATIZIT worldwide production sites and support centres
- CERATIZIT worldwide distribution partner network



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