



KORLOY NOTICE

• Web : www.korloy.com

TB-M

▶ Purpose

- To introduce improved TB-M grooving insert with chip breaker and 3 cutting edges

▶ Subject item

- All items of TB-M grooving inserts (Refer to the chart below.)

▶ Detail information

• Improvements

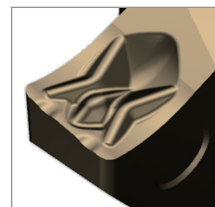
- Conventional insert : Wavy cutting edge
- New insert : straight cutting edge + optimally designed C/B

• Improvement Effectiveness

- Excellent surface roughness (minimized burr)
- Improved chip evacuation in both low and high feed machining
- Superb chipping resistance

【Before】

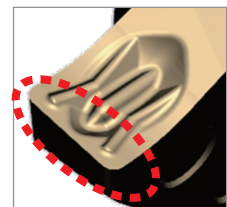
- Wavy cutting edge



【After】

New

- Straight cutting edge + optimally designed C/B



Designation	Grade		Dimensions (mm)				Geometries	
	PC5300	Right-handed	b	g (Tmax)	W	r		d
TB	4150R-M	●	1.5	3.5	4.76	0.2		
	4175R-M	●	1.75					
	4185R-M	●	1.85					
	4200R-M	●	2					
	4215R-M	●	2.15					
	4230R-M	●	2.3					
	4250R-M	●	2.5	4	0.3			
	4265R-M	●	2.65					
	4280R-M	●	2.8					
	4300R-M	●	3	5	0.4			
	4330R-M	●	3.3					
	4350R-M	●	3.5					
	4400R-M	●	4					
	4430R-M	●	4.3					
	4450R-M	●	4.5					

* All grades (coated, uncoated, cermet) are available for new inserts.

* The items above are going to be stocked by the end of Nov.

▶ Launching date

- Production from Sep. 22nd, 2014