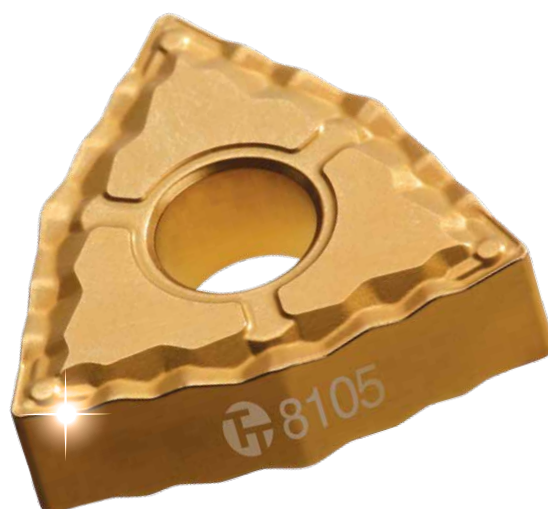


NEW PRODUCT NEWS



TT8105 – A New Grade for High-Speed Turning





TT8105 – A New grade for high-speed turning

FEATURES

- For high speed turning of steel in continuous cutting applications
- The most wear resistant grade used on steel applications
- Specially applied GOLDRUSH surface treatment

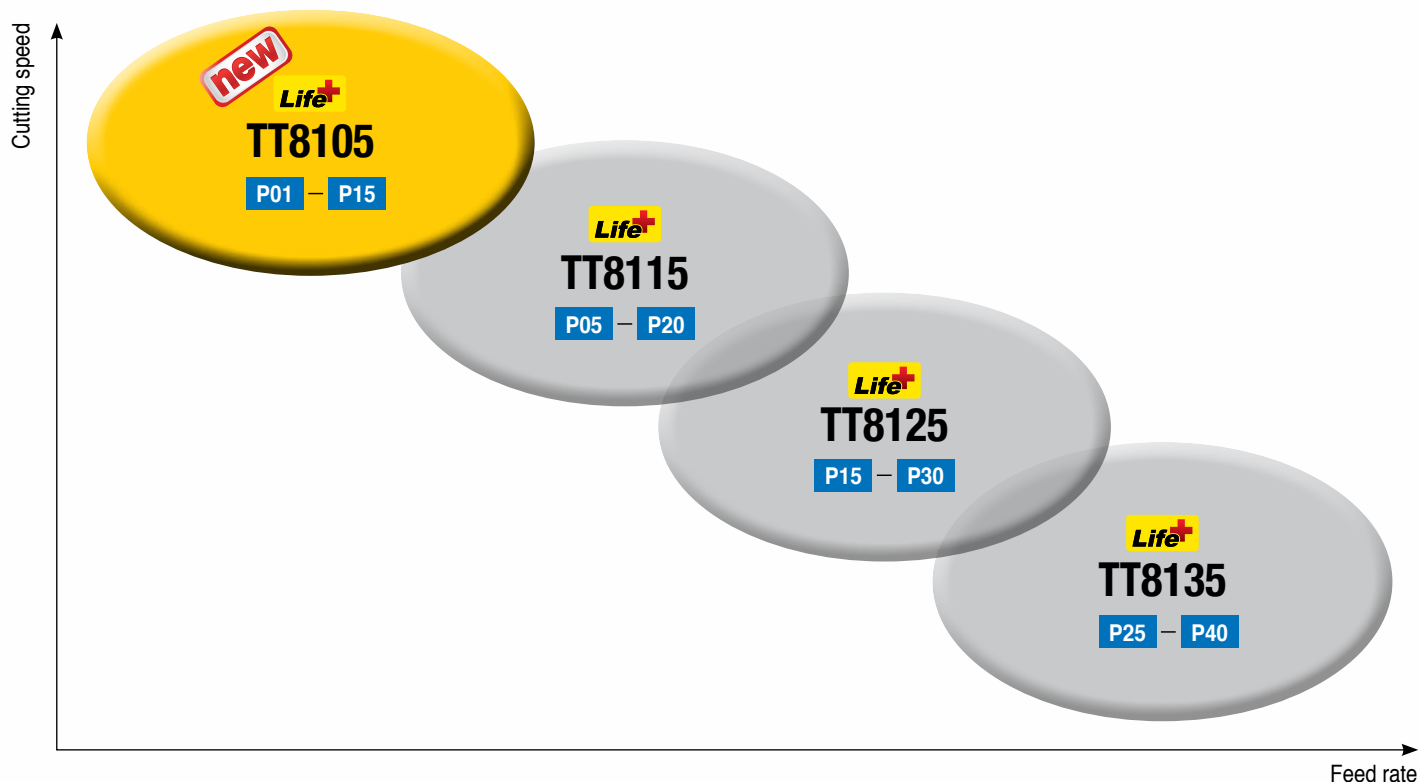
TaeguTec has launched a new LIFE+ grade that enables excellent wear resistance in steel machining applications.

The TT8105 grade is optimized for increased productivity on steel machining applications with high cutting speed. It also guarantees stable and long tool life because of its special coating technology.

A further benefit of the TT8105 grade is the additional GOLDRUSH treatment that enables better surface roughness and high durability.

Along with the current LIFE+ range – including the TT8115, TT8125 & TT8135 – the newly launched TT8105 expands the wide application range and selection offered to customers.

Application range



Recommended cutting conditions

ISO	Material		Tensile strength (N/mm ²)	Brinell HB	Material group No.	Coated
						TT8105
						Cutting speed (m/min)
P	Non-alloy steel, cast steel, free cutting steel	<0.25%C Annealed	420	125	1	310-580
		>=0.25%C Annealed	650	190	2	270-530
		<0.55%C Quenched and tempered	850	250	3	230-490
		>=0.55%C Annealed	750	220	4	250-500
		Quenched and tempered	1000	300	5	210-470
	Low alloy steel and cast steel (less than 5% of alloying elements)	Annealed	6000	200	6	230-550
		Quenched and tempered	930	275	7	180-330
			1000	300	8	160-300
			1200	350	9	150-280
	High alloy steel, cast steel and tool steel	Annealed	680	200	10	210-420
		Quenched and tempered	1100	325	11	100-200

■ Steel

TT8105 Grade item list

Insert	Designation	feed (mm/rev)	ap (mm)	TT8105
	CNMG 120404 FC	0.05-0.30	0.2-2.5	●
	120408 FC	0.08-0.35	0.3-2.5	●
	CNMG 120404 PC	0.10-0.40	0.4-5.0	●
	120408 PC	0.15-0.50	0.5-5.0	●
	120412 PC	0.17-0.55	0.6-5.0	●
	DNMG 150404 FC	0.05-0.30	0.2-2.5	●
	150408 FC	0.08-0.35	0.3-2.5	●
	150608 FC	0.08-0.35	0.3-2.5	●
	DNMG 150404 PC	0.10-0.40	0.4-4.0	●
	150408 PC	0.10-0.40	0.4-4.0	●
	150412 PC	0.15-0.50	0.5-4.0	●
	150608 PC	0.10-0.40	0.4-4.0	●
	150612 PC	0.15-0.50	0.5-4.0	●
	TNMG 160404 FC	0.05-0.30	0.2-2.5	●
	160408 FC	0.08-0.35	0.3-2.5	●
	160412 FC	0.10-0.40	0.3-2.5	●
	TNMG 160404 PC	0.13-0.50	0.5-4.5	●
	160408 PC	0.15-0.50	0.5-4.5	●
	160412 PC	0.17-0.55	0.6-4.5	●
	VNMG 160408 FX	0.05-0.20	0.2-2.0	●
	VNMG 160408 PC	0.15-0.40	0.6-4.0	●
	WNMG 080404 FC	0.07-0.20	0.3-2.0	●
	080408 FC	0.08-0.35	0.3-2.5	●
	WNMG 080408 PC	0.15-0.50	0.5-4.0	●
	080412 PC	0.17-0.50	0.5-4.0	●

● : Standard item