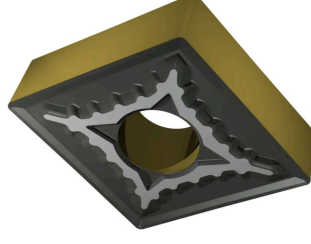




CNMG.SM 431 Z25



Double-sided Negative turning insert the first choice for finishing of Steels and Cast irons. also conditionally suitable for Stainless steels and Super-alloys. is suitable for materials and Continuous cut.

GRADE Z25

This grade is versatile and is the first choice for medium machining of Cast irons. It features positive rake angle and negative/stable, moderate T-land. It's also suitable for Steels, and conditionally for Hard materials. and MT-CVD-coated, functionally graded substrate Z25, designed primarily for P-group materials. is suitable for materials: P - Steel and cast steel (steels with alloy content $\leq 10\%$ and a hardness of $< 45\text{HRC}$), K - Cast Iron (castings of iron and carbon alloys with $> 2\%$ carbon content) and Slightly interrupted cut.

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S-ALLOYS	HEAT TREATED
GROUP	P30	M30	K30		S30	
sfm ft/min	722 - 1198	427 - 705	673 - 1132		115 - 312	
Fn inch/Z	0.0071 - 0.0102	0.0071 - 0.0092	0.0071 - 0.0102		0.0071 - 0.0092	
ap inch	0.016 - 0.157	0.016 - 0.157	0.016 - 0.157		0.016 - 0.126	

LEGENDA

sfm (Vc)	Surface per minute
Fn (ipr)	Feed per revolution
Fz (ipt)	Feed per tooth
ap	Depth per cut

FORMULA

S (RPM)	$= Vc * 1000 / \pi / D = \text{rev per minute}$
F (IPR, inch per revolution)	$= S * Fn = \text{feed per minute}$
F (IPM, inch/per minute)	$= S * Fz * n, \text{flutes} = \text{feed per minute}$
sfm	$= S * D * \pi / 1000$

TURNING CARBIDE INSERT