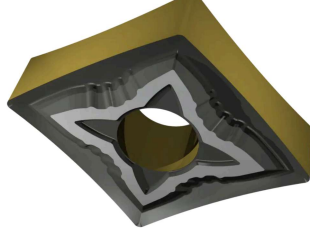




CNMG.SF 431 Z25



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 ≤ 10% and a hardness of < 45HRC), 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	787 - 1542	459 - 919	738 - 1460		131 - 410	
Fn inch/Z	0.0059 - 0.0118	0.0059 - 0.0106	0.0059 - 0.0118		0.0059 - 0.0094	
ap inch	0.031 - 0.118	0.031 - 0.118	0.031 - 0.118		0.031 - 0.094	

LEGENDA

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

FORMULA

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

TURNING CARBIDE INSERT