VCGT13-SK

Excellent surface finish and long tool life in precision turning

New inserts for swiss machining with superior chip control

SK chipbreaker
Molded chipbreaker maintains both sharpness and chip control

PR1725
Great for machining steel and other materials
Wide range of machining applications

PR1535
Fracture resistant with a tough substrate and high-resistant coating proving long tool life in steel, stainless steel and difficult-to-cut material

Visit us on LinkedIn

1st recommendation for semi-finishing

SK chipbreaker

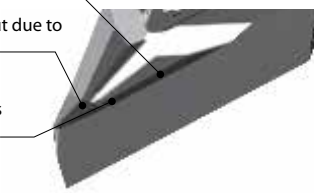
ap: 0.5 to 1.5 mm*
The molded chipbreaker maintains both sharpness and chip control

*(For other geometry up to 3.0 mm)

Stable chip evacuation in large D.O.C. due to large rake angle

Chip control is improved in small depths of cut due to chipbreaker projecting out to the corner tip

Cutting force is reduced as the cutting edge is lowered towards the center of the workpiece



Chip control comparison (internal evaluation)
C45

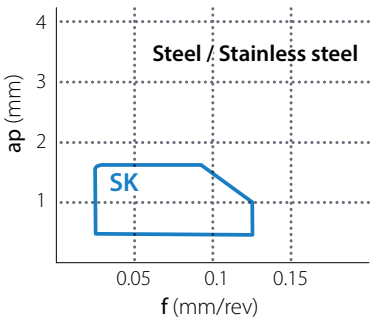
Competitor

Kyocera

VCGT130302, C45, φ14, Wet, External turning, Vc=140m/min, ap=0.5mm, f=0.07mm/rev, SVJCR1616 type

Chipbreaker map

1st recommendation for finishing (low cutting force)



Recommended cutting conditions (R0.2)

Vc = 60-180 m/min
ap = 0.5-1.5 mm
f = 0.03-0.13 mm/rev

Inserts

Shape	Description		Dimensions (mm)						MEGACOAT NANO PLUS	MEGACOAT NANO
			I.C.	Thick-ness	Hole	Corner-R (RE)	Relief angle	APMX	PR1725	PR1535
	VCGT	130301MFP-SK	7.94	3.18	3.4	< 0.1	7°	1.5	●	●
		130302MFP-SK				< 0.2			●	●

Learn more about Kyocera's PR17 Series

PR17 Series

Great surface finish and long tool life

Your choice to precision

SKS chipbreaker

SK chipbreaker