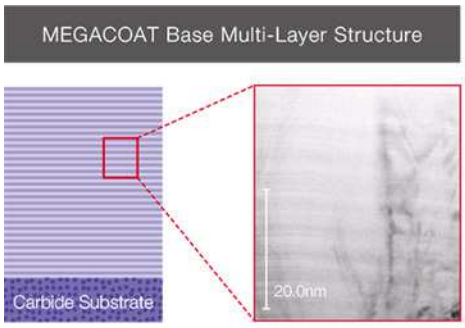
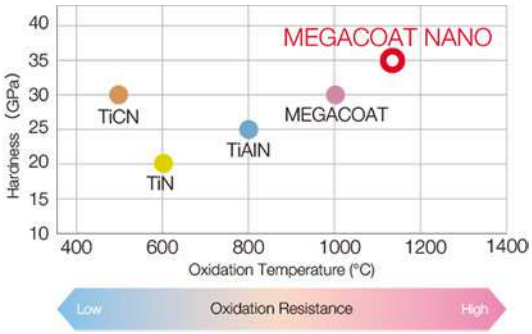
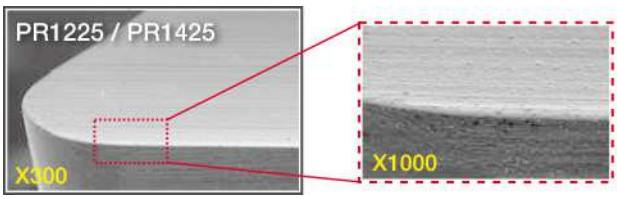
MEGACOAT NANO PR1425 (Grade Properties)



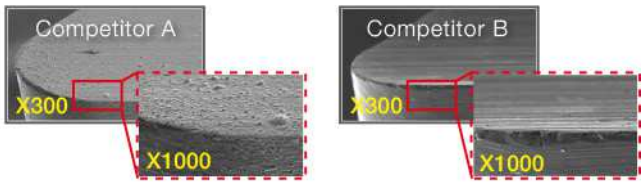


Prevents wear and fracture with high hardness (35GPa) and superior oxidation resistance (oxidation temperature: 1,150°C)

Cutting Edge Quality (Sharp Edge Insert)



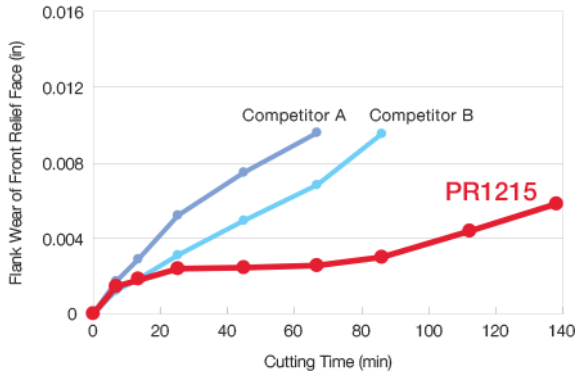
Superior edge-sharpening performance and smooth surface



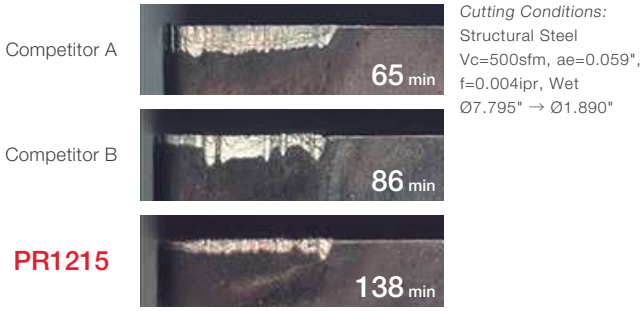
Delamination (coating peeling) and rough surface

MEGACOAT Series (PR1225/PR1425) - high edge sharpening performance and adhesion resistance.

PR1215 Wear Resistance Comparison
(Off-Centered Grooving)



Flank Wear of Front Relief Face



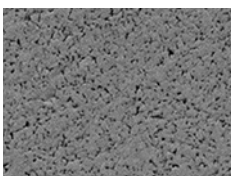
Cutting Conditions:
Structural Steel
Vc=500sfm, ae=0.059",
f=0.004ipr, Wet
Ø7.795" → Ø1.890"

PR13-Series Advantages

Superior wear and fracture resistance attained with uniform grain size and MEGACOAT on superior thermal shock resistant carbide

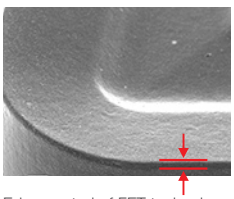
New edge preparation technology (FET: Fine Edge Treatment) controls and minimizes R horning and realizes large tip rake angle, and thus prevents burrs and notching. It provides good finished surface

Special Carbide Substrate



Uniform grain size enables superior thermal shock resistance and constant hardness

New Edge Preparation Technology



Edge control of FET technology (FET: Fine Edge Treatment)

Heat-Resistant Alloys (Ni-based)