

PHG & PHS New Turning Grades

The Best Grades for Machining Steels & Stainless Steels



PalbitUSA.com



PHG & PHS
New Turning Grades

NEW

Cosmic Technology for Better Productivity

PHG TURNING GRADES FOR STEELS



PHG105
P05-P10

First choice for continuous cutting with hardness higher than 38HRC

New CVD coating with Al_2O_3+TiN combined with a very hard substrate.

PHG115
P10-P25

Suitable for high to medium cutting speeds on steels

New CVD coating with Al_2O_3+TiN .

PHG125
P20-P35

Ideal for general applications with in all kind of steels

Carbide grade suitable for medium machining of steels at medium cutting speeds.

PHG140
P25-P45

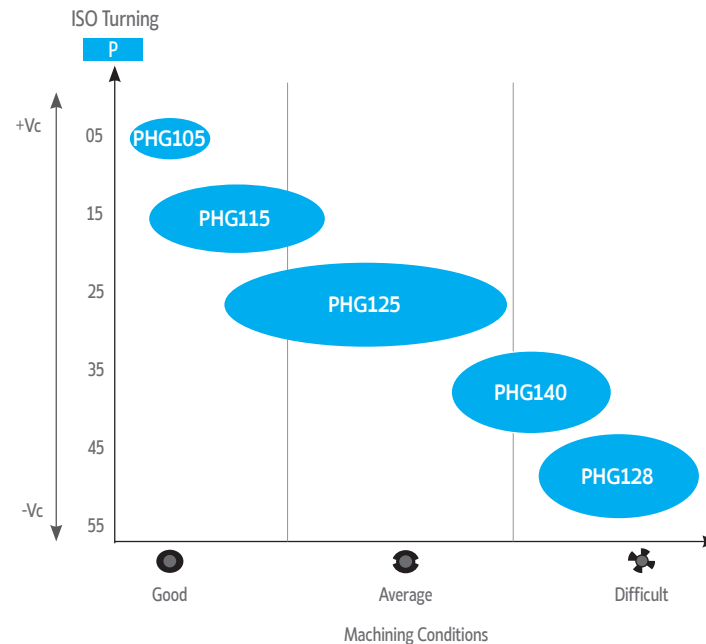
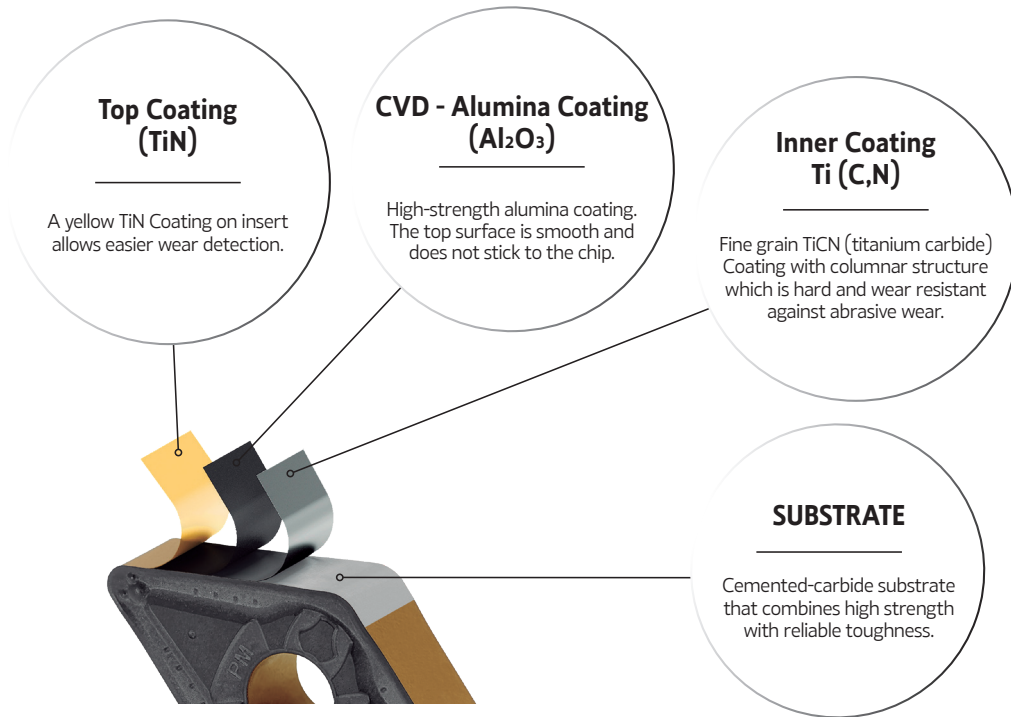
First choice for roughing to heavy roughing operations with interrupted cut at medium to low cutting speeds

Binary substrate grade (Wc-Co) with medium grain size combined with a medium temperature CVD coating.

PHG128
P40-P50

A very high toughness grade ideal for heavy roughing applications while using on large I.C. inserts

New CVD coating with Al_2O_3+TiN .



PHS TURNING GRADE FOR STAINLESS STEELS

NEW



PHS215
M10-M25

Suitable for high to medium cutting speeds in stainless steels. Ideal for turning on good condition of cut (continuous cut)

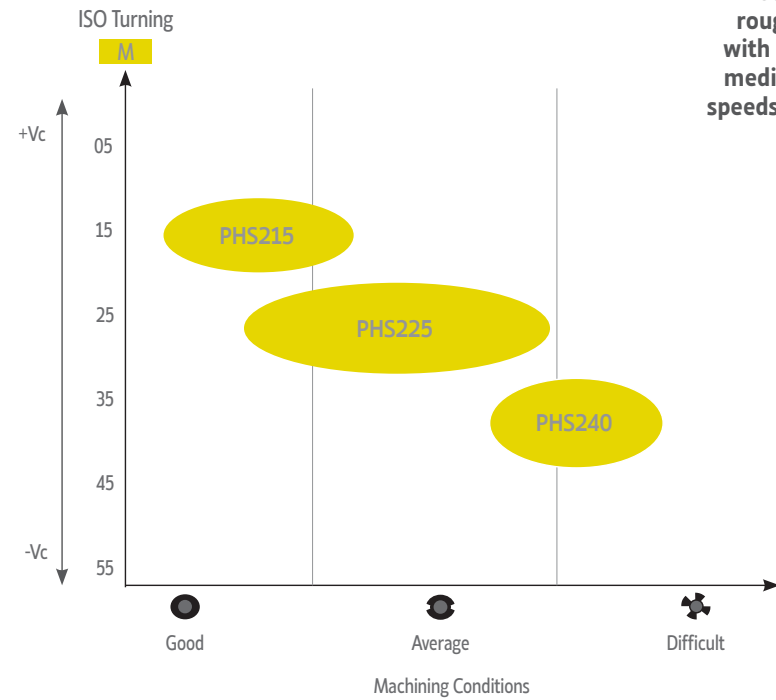
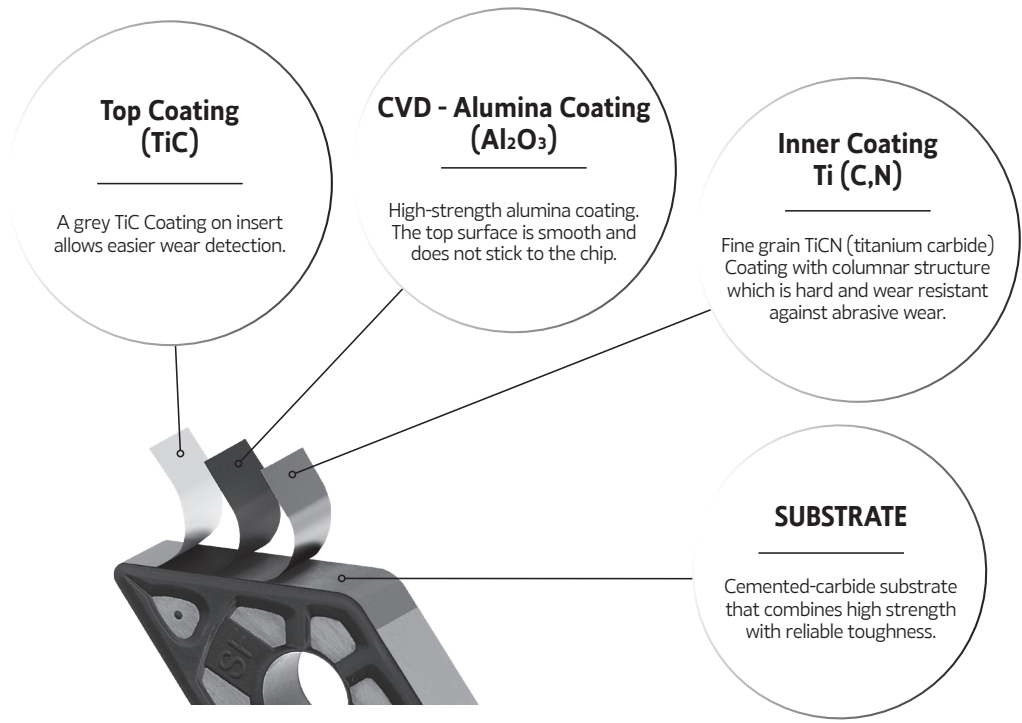
PHS225
M15-M30

First choice for general application on turning of stainless steels

Carbide grade suitable for medium machining of stainless steels and super alloys at medium cutting speeds.

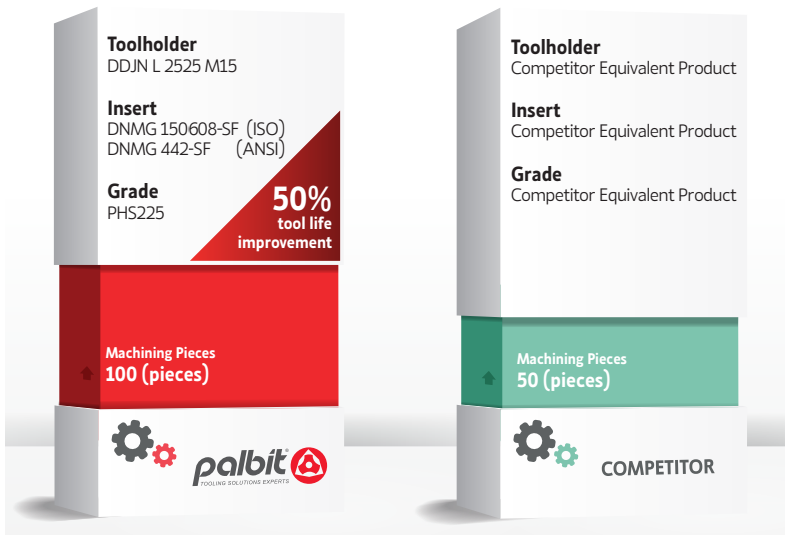
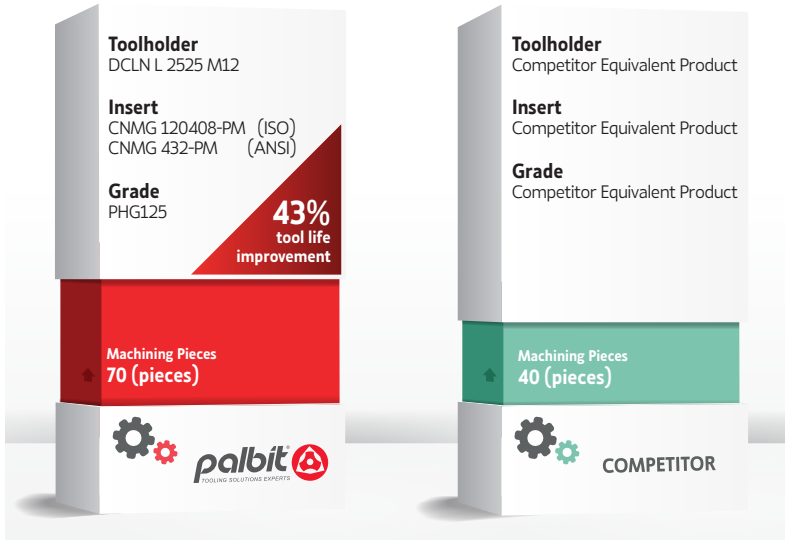
PHS240
M25-M45

First choice for roughing to heavy roughing operations with interrupted cut at medium to low cutting speeds on stainless steels.



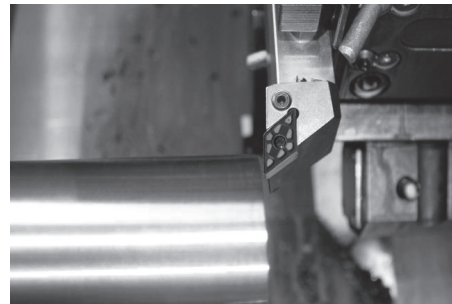
PHG & PHS NEW GRADES TEST REPORTS

SINCE 1916



Workpiece material: Low-alloy steel, Ck45 (200 HB)

Cutting speed: Vc	200 m/min	656 sfm
Feed per tooth: fn	0,30 mm/r	0.012 in/r
Depth of cut: ap	3,00 mm	0.118 in
Operation	External turning	
Coolant	Emulsion	



Workpiece material: stainless steel, AISI 316

Cutting speed: Vc	180 m/min	590 sfm
Feed per tooth: fn	0,30 mm/r	0.012 in/r
Depth of cut: ap	2,00 mm	0.078 in
Operation	External turning	
Coolant	Emulsion	



PalbitUSA.com

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ISO 9001:2015

