

GS Chip-Breaker

The Revolution in HRSA Turning



PalbitUSA.com



GS
CHIP-BREAKER

NEW



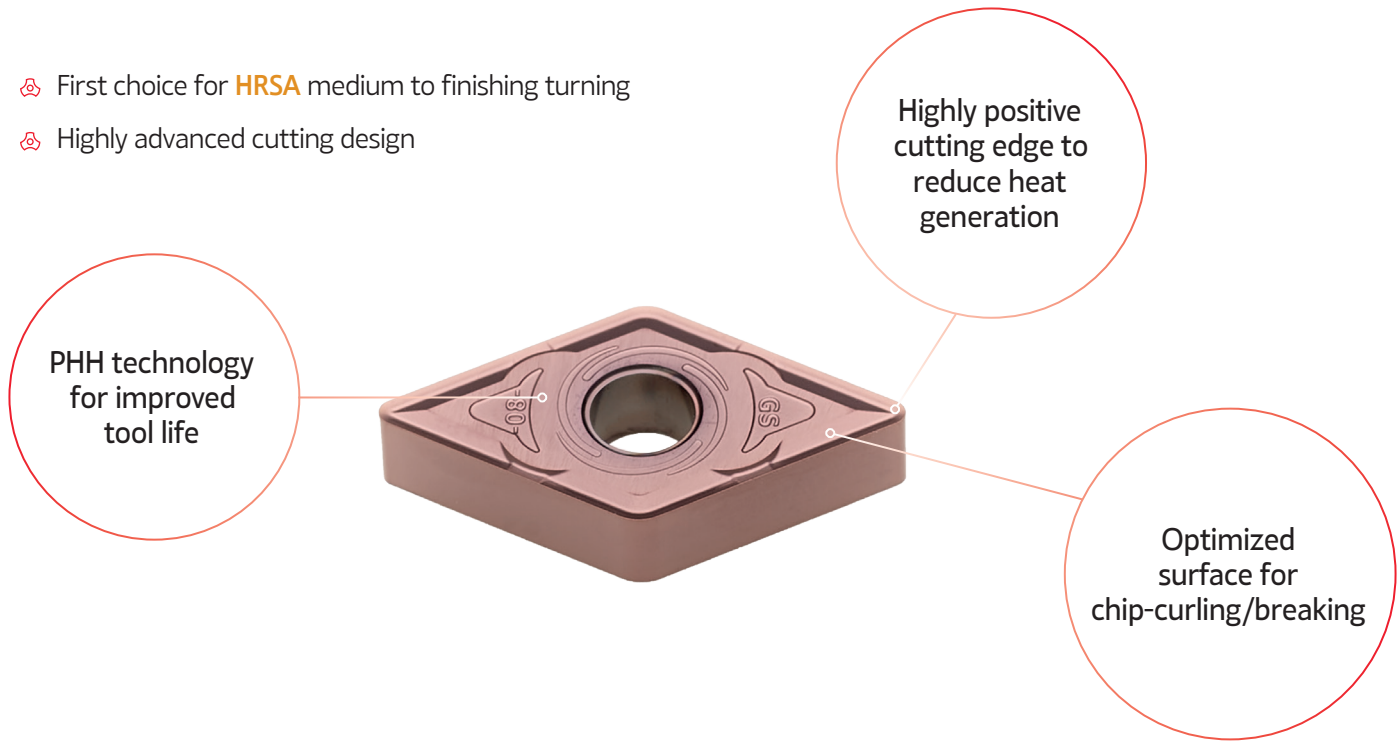
SINCE 1916

GS CHIP-BREAKER

NEW

Designed especially for HRSA, the new Chip-Breaker **GS**, combined with the latest PHH technology, offers exceptional performance in exotic materials machining.

- 🔗 First choice for **HRSA** medium to finishing turning
- 🔗 Highly advanced cutting design



PHH GRADE

As the latest in coating technology, PHH coating revolutionizes the turning of HRSA and stainless steels. PHH is a stable PVD coating that combines high hardness with unmatched heat resistance.



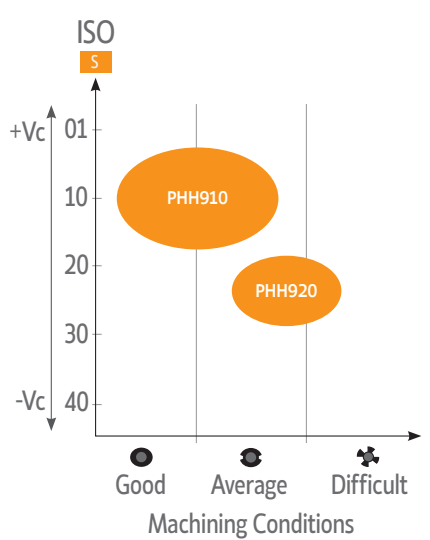
PHH910 NEW
M05-M10
S05-S15

First choice for HRSA.

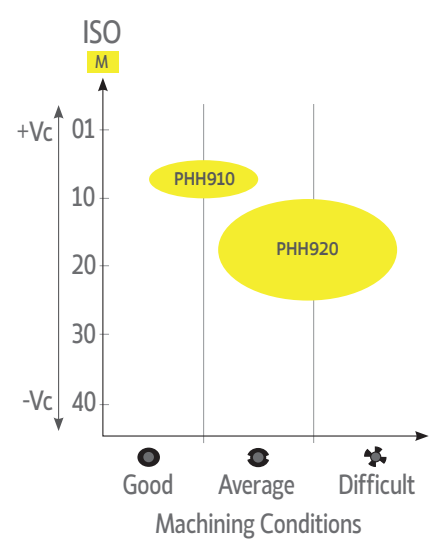
PHH920 NEW
M10-M25
S15-S30

Solution for general turning of stainless steels and HRSA.

S - HEAT RESISTANT / TITANIUM ALLOYS






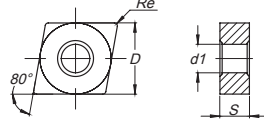








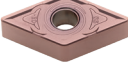




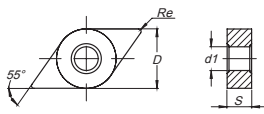

































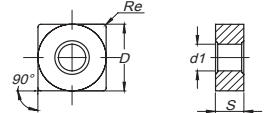













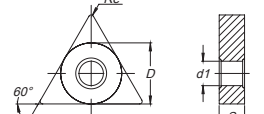













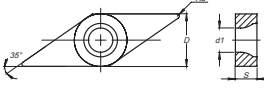












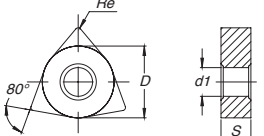


















M - STAINLESS STEEL






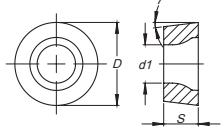






Inserts	(1) Geometry Code	ISO Reference	M		S		Dimensions (mm)				Cutting Conditions				Technical Drawings
			PVD		PVD										
			(2) Grade Code		X6	Y3	X6	Y3	D	S	Re	d1	a_p (mm)	Min	

NEGATIVE INSERTS

	1124514	CNMG 120404-GS					12.70	4.76	0.40	5.16	1.50	0.15	2.50	0.20	0.10	0.30	
	1124502	CNMG 120408-GS					12.70	4.76	0.80	5.16	2.00	0.20	3.00	0.25	0.10	0.35	
	1124515	CNMG 120412-GS					12.70	4.76	1.20	5.16	2.00	0.30	4.00	0.30	0.10	0.45	
	1124688	DNMG 110404-GS					9.53	4.76	0.40	3.81	1.50	0.15	2.00	0.20	0.10	0.25	
	1124689	DNMG 110408-GS					9.53	4.76	0.80	3.81	2.00	0.20	2.50	0.25	0.10	0.30	
	1124511	DNMG 150404-GS					12.70	4.76	0.40	5.16	1.50	0.15	2.00	0.20	0.10	0.25	
	1124512	DNMG 150408-GS					12.70	4.76	0.80	5.16	2.00	0.20	2.50	0.25	0.10	0.30	
	1124513	DNMG 150412-GS					12.70	4.76	1.20	5.16	2.00	0.30	3.00	0.25	0.10	0.35	
	1124682	DNMG 150604-GS					12.70	6.35	0.40	5.16	1.50	0.15	2.00	0.20	0.10	0.25	
	1124683	DNMG 150608-GS					12.70	6.35	0.80	5.16	2.00	0.20	2.50	0.25	0.10	0.30	
	1124684	DNMG 150612-GS					12.70	6.35	1.20	5.16	0.30	0.30	3.00	0.30	0.10	0.35	
	1124556	SNMG 120408-GS					12.70	4.76	0.80	5.16	2.00	0.20	3.00	0.25	0.15	0.40	
	1124557	SNMG 120412-GS					12.70	4.76	1.20	5.16	2.50	0.50	5.00	0.30	0.20	0.50	
	1124558	SNMG 120416-GS					12.70	4.76	1.60	5.16	2.50	0.50	5.00	0.40	0.20	0.50	
	1124508	TNMG 160404-GS					9.53	4.76	0.40	3.81	1.50	0.15	3.00	0.15	0.10	0.30	
	1124509	TNMG 160408-GS					9.53	4.76	0.80	3.81	2.00	0.20	3.00	0.25	0.10	0.30	
	1124510	TNMG 160412-GS					9.53	4.76	1.20	3.81	2.00	0.30	3.00	0.30	0.15	0.35	
	1124562	VNMG 160404-GS					9.53	4.76	0.40	3.81	1.00	0.15	2.00	0.15	0.05	0.20	
	1124563	VNMG 160408-GS					9.53	4.76	0.80	3.81	1.50	0.20	2.50	0.20	0.07	0.25	
	1124564	VNMG 160412-GS					9.53	4.76	1.20	3.81	1.50	0.30	3.00	0.20	0.10	0.25	
	1124690	WNMG 060404-GS					9.53	4.76	0.40	3.81	1.50	0.15	2.50	0.20	0.10	0.30	
	1124691	WNMG 060408-GS					9.53	4.76	0.80	3.81	2.00	0.20	3.00	0.25	0.10	0.35	
	1124559	WNMG 080404-GS					12.70	4.76	0.40	5.16	1.50	0.15	2.50	0.20	0.10	0.30	
	1124560	WNMG 080408-GS					12.70	4.76	0.80	5.16	2.00	0.20	3.00	0.25	0.10	0.35	
	1124561	WNMG 080412-GS					12.70	4.76	1.20	5.16	2.00	0.30	3.50	0.30	0.10	0.40	

POSITIVE INSERTS

	1124495	RCMT 0803M0-GS					8.00	3.18	-	3.40	1.00	0.20	2.00	0.25	0.15	0.40	
	1124496	RCMT 1003M0-GS					10.00	3.18	-	3.40	1.50	0.40	2.50	0.30	0.15	0.45	

 First choice

 Stock Items

 Available Upon Request

Insert Order Code: (1) Geometry code + (2) Grade code

GS Chip-Breaker

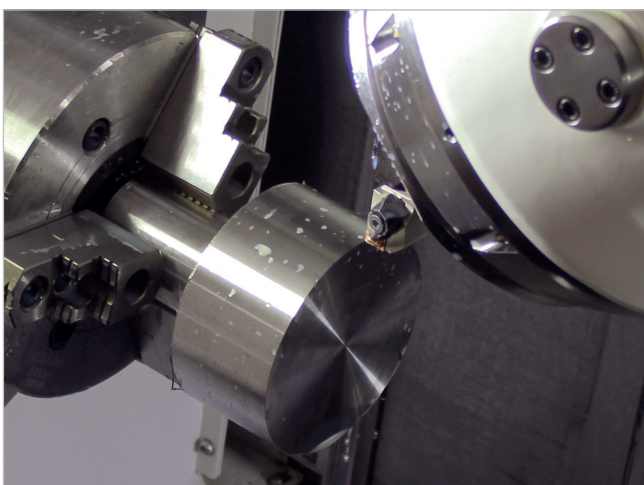
The Revolution in HRSA Turning

NEW

TEST REPORT

Toolholder: DCLN L 2525 M12

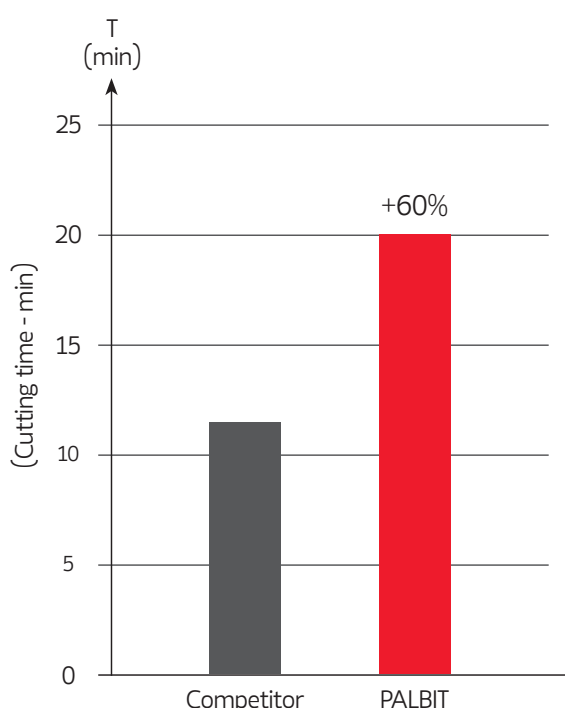
Insert: CNMG 120408-GS PHH910 vs. Competitor Equivalent



Workpiece Material: Inconel 625 Alloy

Cutting speed: V_c	85 m/min
Feed per tooth: f_n	0,12 mm/rev
Depth of cut: a_p	0,5 mm
Operation	External turning
Coolant	Emulsion

T - V_b max (0,4 mm)



U.S. Partner:
PILOT
 Precision Products

15 Merrigan Way | South Deerfield, MA 01373
 413-350-5200 | PilotPrecision.com
 ISO 9001:2015

