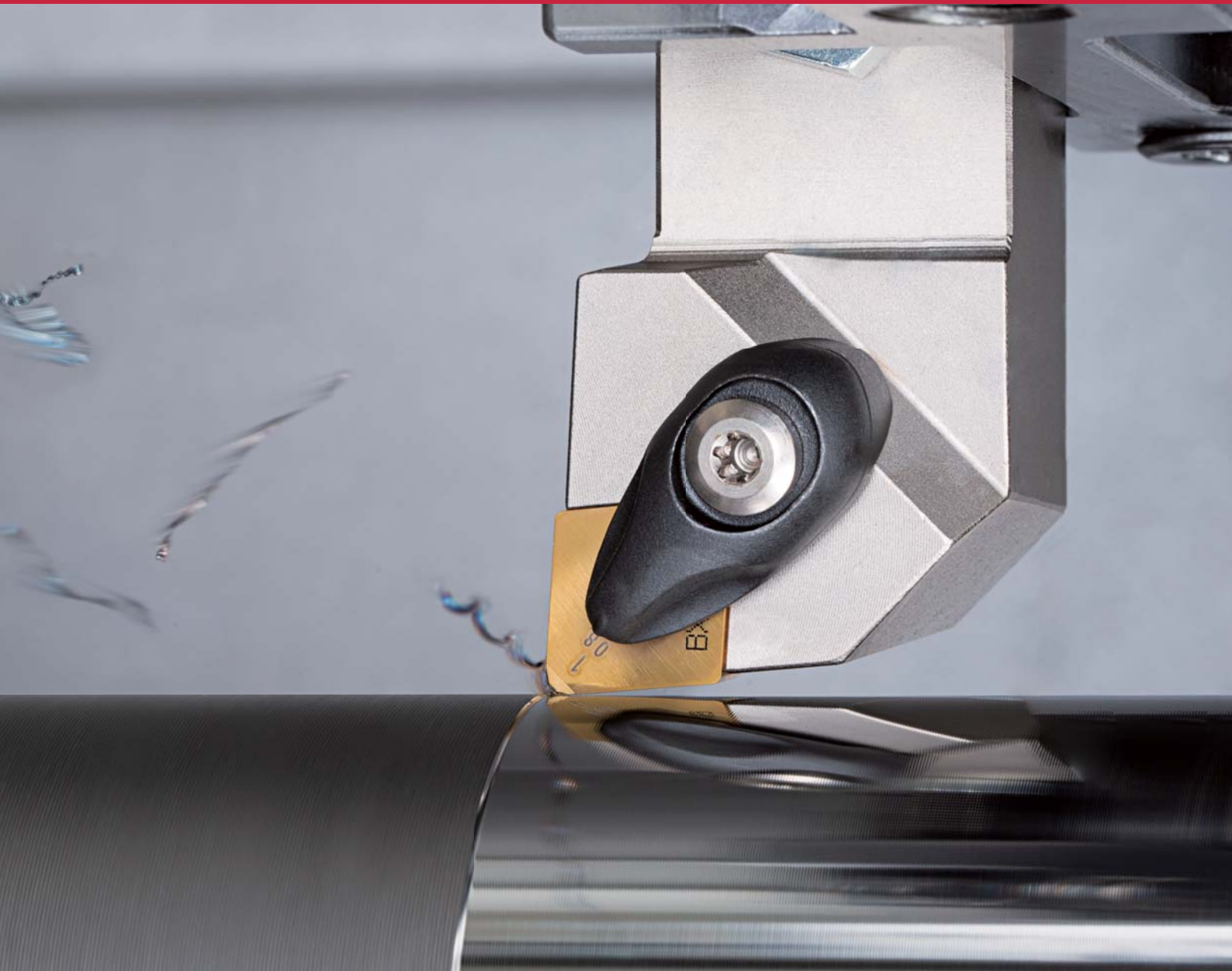


# T-CBN HARDBREAKER HP

[www.tungaloy.com/it](http://www.tungaloy.com/it)

Tungaloy Report No. 86S1-I

**Ora disponibile in BXA10 (CBN)** - ottimo controllo truciolo nella tornitura di materiali duri



**INDUSTRY 4.0**  
*FEED the SPEED!*

## Disponibile nel nuovo grado CBN BXA10 per un ampio campo di impiego

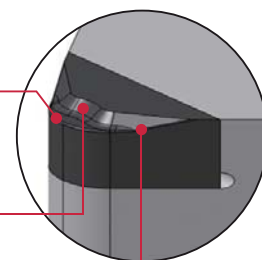
- 1 La posizione del rompitruciolo, leggermente arretrata rispetto alla zona di contatto, alleggerisce la forza di taglio imposta sul tagliente durante la lavorazione. Il risultato è una vita inserto prolungata.
- 2 La preparazione del tagliente è disegnata per assicurare un taglio agevole con basse forze di taglio, mantenendo strette tolleranze e precisione dimensionale.
- 3 Il rompitruciolo HP con raschianti integrati realizza ottime qualità superficiali ed assicura un buon controllo truciolo.



Preparazione del tagliente ottimizzata per basse forze di taglio

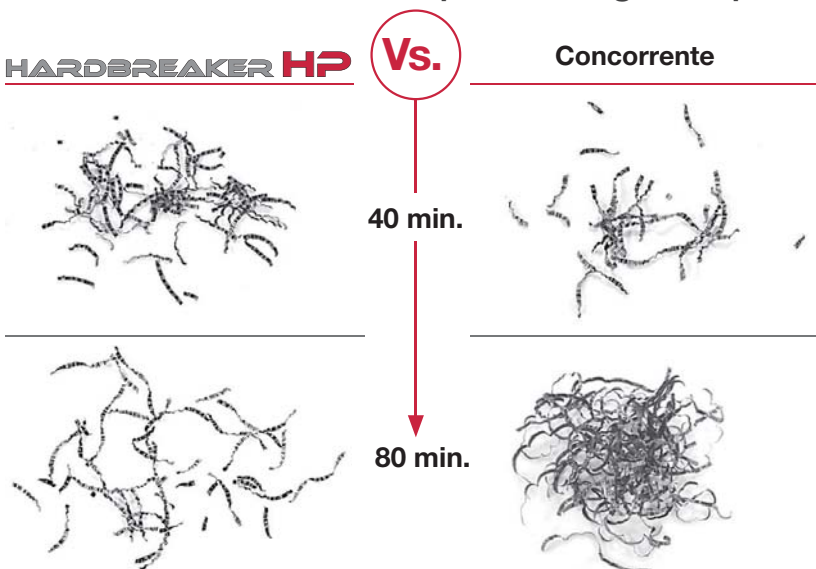
Rompitruciolo HP

Raschiante



## RENDIMENTO

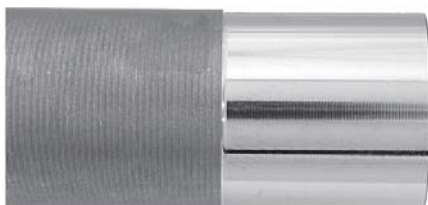
Controllo truciolo stabile per un lungo tempo di contatto



Inserto : 2QP-CNGM120408-HP  
 Materiale da lavorare : JIS SCM420 58HRC  
 Velocità di taglio :  $V_c = 180$  m/min  
 Avanzamento :  $f = 0.15$  mm/giro  
 Profondità di taglio :  $a_p = 0.15$  mm  
 Portainsero : ACLNR2525M12-A  
 Refrigerante : Sì  
 Operazione : Tornitura esterna, taglio continuo

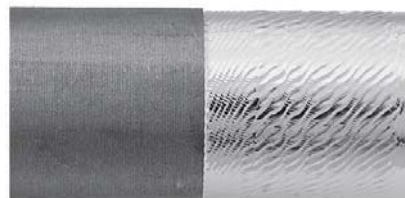
Resistenza alle vibrazioni

## HARDBREAKER HP








Grazie alle basse forze di taglio, la resistenza alle vibrazioni risulta notevolmente migliorata.

Concorrente (senza rompitruciolo)







# INSERTI NEGATIVI

● : Taglio continuo  
 ● : Leggermente interrotto  
 ✱ : Taglio interrotto

		P	M	K	N	S	H										
		Acciai	Inossidabili	Ghisa	Non ferrosi	Super leghe	Materiali duri	●	●	●	●	●	●	●	●	●	●
Forma	Denominazione	BXA10	BXA20	BXM10	No. di taglienti	Dimensioni (mm)					Prep. del tagliente					Raschiante	Romptruciolo
						LE	RE	IC	S	D1	Standard	Affiliato	L	LFLC	H		
	<b>2QP-CNGM**-H*</b> 2QP-CNGM120404-HP	●	●	●	2	2.3	0.4	12.7	4.76	5.16							○
	2QP-CNGM120408-HP	●	●	●	2	2.2	0.8	12.7	4.76	5.16							○
	2QP-CNGM120412-HP	●	●	●	2	2.4	1.2	12.7	4.76	5.16							○
	2QP-CNGM120408WL-HP	●	●	●	2	2.2	0.8	12.7	4.76	5.16							○
	<b>2QP-DNGM**-H*</b> 2QP-DNGM150404-HP	●	●	●	2	2.5	0.4	12.7	4.76	5.16							○
	2QP-DNGM150408-HP	●	●	●	2	2.1	0.8	12.7	4.76	5.16							○
	2QP-DNGM150412-HP	●	●	●	2	2	1.2	12.7	4.76	5.16							○
	2QP-DNGM150608-HP	●	●	●	2	2.1	0.8	12.7	6.35	5.16							○
1) 	<b>2QP-GNGG**-HP</b> 2QP-GNGG120404-HP	●	●	●	2	2.1	0.4	12.7	4.76	5.16							○
	2QP-GNGG120408-HP	●	●	●	2	2.1	0.8	12.7	4.76	5.16							○
	2QP-GNGG120412-HP	●	●	●	2	2.2	1.2	12.7	4.76	5.16							○
	<b>3QP-TNGM**-H*</b> 3QP-TNGM160404-HP	●	●	●	3	2.2	0.4	9.525	4.76	3.81							○
	3QP-TNGM160408-HP	●	●	●	3	1.9	0.8	9.525	4.76	3.81							○
	3QP-TNGM160412-HP	●	●	●	3	2.4	1.2	9.525	4.76	3.81							○
	<b>2QP-VNGM**-H*</b> 2QP-VNGM160404-HP	●	●	●	2	3.1	0.4	9.525	4.76	3.81							○
	2QP-VNGM160408-HP	●	●	●	2	2.2	0.8	9.525	4.76	3.81							○

1) Standard Tungaloy

## POSITIVI

		P	M	K	N	S	H										
		Acciai	Inossidabili	Ghisa	Non ferrosi	Super leghe	Materiali duri	●	●	●	●	●	●	●	●	●	●
Forma	Denominazione	BXA10	BXA20	BXM10	No. di taglienti	Dimensioni (mm)					Prep. del tagliente					Raschiante	Romptruciolo
						LE	RE	IC	S	D1	Standard	Affiliato	L	LFLC	H		
	<b>2QP-CCGT**-HP</b> 2QP-CCGT060204-HP	●	●	●	2	2.3	0.4	6.35	2.38	2.8							○
	2QP-CCGT09T304-HP	●	●	●	2	2.3	0.4	9.525	3.97	4.4							○
	2QP-CCGT09T308-HP	●	●	●	2	2.2	0.8	9.525	3.97	4.4							○
	2QP-CCGT09T304WL-HP	●	●	●	2	2.3	0.4	9.525	3.97	4.4							○
	2QP-CCGT09T308WL-HP	●	●	●	2	2.2	0.8	9.525	3.97	4.4							○
	<b>2QP-DCGT**-HP</b> 2QP-DCGT070204-HP	●	●	●	2	2.5	0.4	6.35	2.38	2.8							○
	2QP-DCGT11T304-HP	●	●	●	2	2.5	0.4	9.525	3.97	4.4							○
	2QP-DCGT11T308-HP	●	●	●	2	2.1	0.8	9.525	3.97	4.4							○
	<b>3QP-TPGT**-HP</b> 3QP-TPGT110304-HP	●	●	●	3	2.2	0.4	6.35	3.18	3.4							○
	3QP-TPGT110308-HP	●	●	●	3	1.9	0.8	6.35	3.18	3.4							○
	<b>2QP-VBGT**-HP</b> 2QP-VBGT110304-HP	●	●	●	2	3	0.4	6.35	3.18	2.8							○
	2QP-VBGT110308-HP	●	●	●	2	2.2	0.8	6.35	3.18	2.8							○
	2QP-VBGT160404-HP	●	●	●	2	3	0.4	9.525	4.76	4.4							○
	2QP-VBGT160408-HP	●	●	●	2	2.2	0.8	9.525	4.76	4.4							○

● : Novità

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