

HY-PRO® CARB

Performance Sub-Micrograin Carbide End Mills

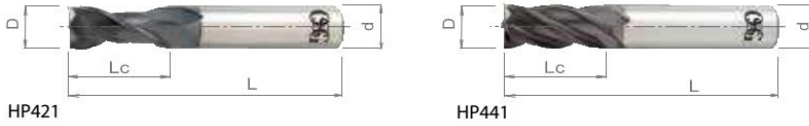


List HP421, HP441

Multiple Flutes

SPEED FEED P1234-1238	CARBIDE	TiAlN	35°	SHANK h6
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Milling Diameter Tolerance	
3/64 ≤ D ≤ 1	+0 / -0.0015"



Units: Inch

EDP Number		Mill Diameter	Overall Length	Length of Cut	Shank Diameter
List HP421 (2 Flute)	List HP441 (4 Flute)				
TiAlN	TiAlN	D	L	Lc	d
HP421-0469	HP441-0469	3/64	1-1/2	9/64	1/8
HP421-0625	HP441-0625	1/16	1-1/2	3/16	1/8
HP421-0781	HP441-0781	5/64	1-1/2	1/4	1/8
HP421-0938	HP441-0938	3/32	1-1/2	5/16	1/8
HP421-1094	HP441-1094	7/64	1-1/2	3/8	1/8
HP421-1250	HP441-1250	1/8	1-1/2	1/2	1/8
HP421-1406	HP441-1406	9/64	2	1/2	3/16
HP421-1562	HP441-1562	5/32	2	9/16	3/16
HP421-1719	HP441-1719	11/64	2	9/16	3/16
HP421-1875	HP441-1875	3/16	2	5/8	3/16
HP421-2031	HP441-2031	13/64	2-1/2	5/8	1/4
HP421-2188	HP441-2188	7/32	2-1/2	5/8	1/4
HP421-2500	HP441-2500	1/4	2-1/2	3/4	1/4
HP421-2812	HP441-2812	9/32	2-1/2	3/4	5/16
HP421-3125	HP441-3125	5/16	2-1/2	13/16	5/16
HP421-3438	HP441-3438	11/32	2-1/2	7/8	3/8
HP421-3750	HP441-3750	3/8	2-1/2	1	3/8
HP421-4062	HP441-4062	13/32	2-3/4	1	7/16
HP421-4375	HP441-4375	7/16	2-3/4	1	7/16
HP421-5000	HP441-5000	1/2	3	1	1/2
HP421-5625	HP441-5625	9/16	3-1/2	1-1/8	9/16
HP421-6250	HP441-6250	5/8	3-1/2	1-1/4	5/8
HP421-6875	HP441-6875	11/16	4	1-3/8	3/4
HP421-7500	HP441-7500	3/4	4	1-1/2	3/4
HP421-8750	HP441-8750	7/8	4	1-1/2	7/8
HP421-1000	HP441-1000	1	4	1-1/2	1

Packed: 1 pc.
Available TiAlN coating only.

continued on next page

OSG's Performance & Savings

Want to turbo-charge performance? Try EXOCARB® WXL® - List 3620, 3621, 3720 or 3721 (p. 862, 863, 869 or 870)

Chart applies to all list numbers above	Work Material																
	P					M			K	N		S		H			
	Carbon Steels			Alloy Steels	Die Steels	Stainless Steels			Cast Iron	Aluminum		Nickel Alloy	Titanium	Hardened Steels			
	Low	Med.	High	4140	4340	300	400	17-4 PH		6061	7075	Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC
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good best

