



# HY-PRO® CARB

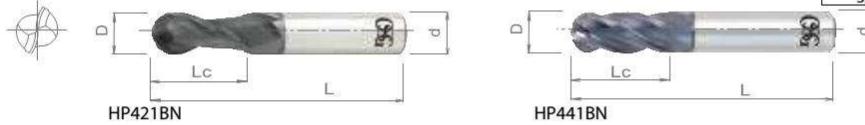
Performance Sub-Micrograin Carbide End Mills

## List HP421BN, HP441BN

2 or 4 Flute, Ball End

<b>SPEED FEED</b> P1249-1250	<b>CARBIDE</b>	<b>TiAlN</b>		<b>SHANK</b> 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 HP421BN (2 Flute)	List HP441BN (4 Flute)				
TiAlN	TiAlN	D	L	Lc	d
HP421-0469-BN	HP441-0469-BN	3/64	1-1/2	9/64	1/8
HP421-0625-BN	HP441-0625-BN	1/16	1-1/2	3/16	1/8
HP421-0781-BN	HP441-0781-BN	5/64	1-1/2	1/4	1/8
HP421-0938-BN	HP441-0938-BN	3/32	1-1/2	5/16	1/8
HP421-1094-BN	HP441-1094-BN	7/64	1-1/2	3/8	1/8
HP421-1250-BN	HP441-1250-BN	1/8	1-1/2	1/2	1/8
HP421-1406-BN	HP441-1406-BN	9/64	2	1/2	3/16
HP421-1562-BN	HP441-1562-BN	5/32	2	9/16	3/16
HP421-1719-BN	HP441-1719-BN	11/64	2	9/16	3/16
HP421-1875-BN	HP441-1875-BN	3/16	2	5/8	3/16
HP421-2031-BN	HP441-2031-BN	13/64	2-1/2	5/8	1/4
HP421-2188-BN	HP441-2188-BN	7/32	2-1/2	5/8	1/4
HP421-2500-BN	HP441-2500-BN	1/4	2-1/2	3/4	1/4
HP421-2812-BN	HP441-2812-BN	9/32	2-1/2	3/4	5/16
HP421-3125-BN	HP441-3125-BN	5/16	2-1/2	13/16	5/16
HP421-3438-BN	HP441-3438-BN	11/32	2-1/2	7/8	3/8
HP421-3750-BN	HP441-3750-BN	3/8	2-1/2	1	3/8
HP421-4062-BN	HP441-4062-BN	13/32	2-3/4	1	7/16
HP421-4375-BN	HP441-4375-BN	7/16	2-3/4	1	7/16
HP421-5000-BN	HP441-5000-BN	1/2	3	1	1/2
HP421-5625-BN	HP441-5625-BN	9/16	3-1/2	1-1/8	9/16
HP421-6250-BN	HP441-6250-BN	5/8	3-1/2	1-1/4	5/8
HP421-6875-BN	HP441-6875-BN	11/16	4	1-3/8	3/4
HP421-7500-BN	HP441-7500-BN	3/4	4	1-1/2	3/4
HP421-8750-BN	HP441-8750-BN	7/8	4	1-1/2	7/8
HP421-1000-BN	HP441-1000-BN	1	4	1-1/2	1

Packed: 1 pc.  
Available TiAlN coating only.



### OSG's Performance & Savings

Want to turbo-charge performance? Try EXOCARB® WXL® - List 3610 (p. 853)  
or EXOCARB® WXS® - List 4430 (p. 899)