



HY-PRO® CARB

Performance Sub-Micrograin Carbide End Mills

List HP411

4 Flute, Short Length, Long Neck

SPEED FEED P1247	CARBIDE	TiAlN		30°	SHANK h6
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Milling Diameter Tolerance	
1/8 ≤ D ≤ 1/4	+0 / -0.0015"



Units: Inch

EDP Number	Mill Diameter	Overall Length	Length of Cut	Neck Length	Neck Diameter	Shank Diameter
TiAlN	D	L	Lc	L1	d2	d
HP411-1250	1/8	3	3/16	5/8	0.119	1/4
HP411-1875	3/16	3	9/32	15/16	0.182	1/4
HP411-2500	1/4	4	3/8	1-1/4	0.244	1/4

Packed: 1 pc.
Available TiAlN coating only.



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4 Flute, Short Length, Long Neck

SPEED FEED P1247	CARBIDE	TiAlN		30°	SHANK h6
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Milling Diameter Tolerance	
3 ≤ D ≤ 6	+0 / -0.038mm



Units: mm

EDP Number	Mill Diameter	Overall Length	Length of Cut	Neck Length	Neck Diameter	Shank Diameter
TiAlN	D	L	Lc	L1	d2	d
HP411-1181	3.0	70	4.5	15.0	2.85	6
HP411-1378	3.5	70	5.3	17.5	3.35	6
HP411-1575	4.0	70	6.0	20.0	3.85	6
HP411-1969	5.0	80	7.5	25.0	4.85	6
HP411-2362	6.0	90	9.0	30.0	5.85	6

Packed: 1 pc.
Available TiAlN coating only.



OSG's Performance & Savings

Want to turbo-charge performance? Try EXOCARB® WXL® - List 3794 (p. 881-882)

Work Material

List No.	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			300	400	17-4 PH		6061 7075	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
HP411	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

good best

