



HY-PRO® CARB

Performance Sub-Micrograin Carbide End Mills

List HP416

2 Flute, Ball End



SPEED FEED P1251-1252 CARBIDE TiAlN 30° SHANK h6

Milling Diameter Tolerance	
1/32 ≤ D ≤ 1/2	+0 / -0.0015"

EDP Number	Mill Diameter	Overall Length	Length of Cut	Shank Diameter
TiAlN	D	L	Lc	d
HP416-0312	1/32	2-1/2	1/16	1/4
HP416-0625	1/16	2-1/2	1/8	1/4
HP416-0938	3/32	2-1/2	3/16	1/4
HP416-1250	1/8	3	1/4	1/4
HP416-1875	3/16	3	3/8	1/4

EDP Number	Mill Diameter	Overall Length	Length of Cut	Shank Diameter
TiAlN	D	L	Lc	d
HP416-2500	1/4	3	1/2	1/4
HP416-3125	5/16	4	5/8	5/16
HP416-3750	3/8	4	3/4	3/8
HP416-5000	1/2	4	1	1/2

Units: Inch

Packed: 1 pc.
Available TiAlN coating only.



List HP416

2 Flute, Ball End



SPEED FEED P1251-1252 CARBIDE TiAlN 30° SHANK h6

Milling Diameter Tolerance	
1 ≤ D ≤ 25	+0 / -0.038mm

EDP Number	Mill Diameter	Overall Length	Length of Cut	Shank Diameter
TiAlN	D	L	Lc	d
HP416-0394	1.0	50	2.5	4
HP416-0472	1.2	50	3.0	4
HP416-0551	1.4	50	3.5	4
HP416-0591	1.5	50	4.0	4
HP416-0630	1.6	50	4.0	4
HP416-0709	1.8	50	4.5	4
HP416-0787	2.0	50	5.0	6
HP416-0984	2.5	60	6.0	6
HP416-1181	3.0	60	8.0	6
HP416-1378	3.5	70	8.0	6
HP416-1575	4.0	70	8.0	6
HP416-1576	4.0	60	8.0	4
HP416-1772	4.5	80	10.0	6
HP416-1969	5.0	80	10.0	6
HP416-2165	5.5	90	12.0	6
HP416-2362	6.0	90	12.0	6
HP416-2559	6.5	90	14.0	8

EDP Number	Mill Diameter	Overall Length	Length of Cut	Shank Diameter
TiAlN	D	L	Lc	d
HP416-2756	7.0	90	14.0	8
HP416-2953	7.5	90	14.0	8
HP416-3150	8.0	100	14.0	8
HP416-3346	8.5	100	18.0	10
HP416-3543	9.0	100	18.0	10
HP416-3740	9.5	100	18.0	10
HP416-3937	10.0	100	18.0	10
HP416-4331	11.0	100	22.0	12
HP416-4724	12.0	110	22.0	12
HP416-5118	13.0	110	26.0	16
HP416-5512	14.0	110	26.0	16
HP416-5906	15.0	110	30.0	16
HP416-6299	16.0	140	30.0	16
HP416-7087	18.0	140	34.0	20
HP416-7874	20.0	160	38.0	20
HP416-9843	25.0	180	50.0	25

Units: mm

Packed: 1 pc.
Available TiAlN coating only.



OSG's Performance & Savings

Want to turbo-charge performance? Try EXOCARB® WXL® - List 3610 or 3710 (p. 853 or 854)

Work Material

List No.	P					M			K Cast Iron	N		S Titanium	H					
	Carbon Steels			Alloy Steels	Die Steels	Stainless Steels				Aluminum			Nickel Alloy	Hardened Steels				
	Low	Med.	High			300	400	17-4 PH		6061	Casting			6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
HP416	<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"/>	<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

