



HY-PRO® CARB

Performance Sub-Micrograin Carbide End Mills

List HP421, HP441 (Continued)

SPEED FEED P1234-1238	CARBIDE	TiAlN	35°	SHANK h6
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Milling Diameter Tolerance	
1 ≤ D ≤ 25	+0 / -0.038mm

Multiple Flutes



Units: mm

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
HP421-0394	HP441-0394	1.0	39	3	3
HP421-0591	HP441-0591	1.5	39	5	3
HP421-0787	HP441-0787	2.0	39	7	3
HP421-0984	HP441-0984	2.5	39	8	3
HP421-1181	HP441-1181	3.0	39	10	3
HP421-1378	HP441-1378	3.5	51	12	4
HP421-1575	HP441-1575	4.0	51	14	4
HP421-1772	HP441-1772	4.5	51	14	5
HP421-1968	HP441-1968	5.0	51	16	5
HP421-2362	HP441-2362	6.0	64	19	6
HP421-2756	HP441-2756	7.0	64	19	8
HP421-3150	HP441-3150	8.0	64	21	8
HP421-3543	HP441-3543	9.0	70	22	10
HP421-3937	HP441-3937	10.0	70	25	10
HP421-4331	HP441-4331	11.0	70	25	11
HP421-4724	HP441-4724	12.0	76	25	12
HP421-5512	HP441-5512	14.0	89	30	14
HP421-6299	HP441-6299	16.0	89	32	16
HP421-7087	HP441-7087	18.0	102	35	18
HP421-7874	HP441-7874	20.0	102	38	20
HP421-8661	HP441-8661	22.0	102	38	22
HP421-9843	HP441-9843	25.0	102	38	25

Packed: 1 pc.
Available TiAlN coating only.



OSG's Performance & Savings

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

Work Material

Chart applies to all list numbers above	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	45-50 HRC	50-70 HRC	
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good best

