# HY-PRO<sup>®</sup> CARB

Performance Sub-Micrograin Carbide End Mills

### List HP450 **Multiple Flute**



EDP Number	Mill Diameter	Overall Length	Length of Cut	Shank Diameter	
TiAIN	D	L	Lc	d	of Flutes
HP450-1250	1/8	1-1/2	1/2	1/8	4
HP450-1875	3/16	2	5/8	3/16	4
HP450-2500	1/4	2-1/2	3/4	1/4	6
HP450-3125	5/16	2-1/2	13/16	5/16	6
HP450-3750	3/8	2-1/2	1	3/8	6
HP450-4375	7/16	2-3/4	1	7/16	6

Packed: 1 pc. Available TiAlN coating only.

## List HP450

#### **Multiple Flute**



EDP Number	Mill Diameter	Overall Length	Length of Cut	Shank Diameter	
TIAIN	D	L	Lc	d	of Flutes
HP450-1181	3	51	10	6	4
HP450-1575	4	51	14	6	4
HP450-1969	5	51	16	6	4
HP450-2362	6	64	19	6	6
HP450-3150	8	64	21	8	6
HP450-3937	10	64	25	10	6
HP450-4724	12	76	25	12	6

EDP Number	Mill Diameter	Overall Length	Length of Cut	Shank Diameter	
TiAIN	D	L	Lc	d	of Flutes
HP450-5512	14	89	30	14	6
HP450-6299	16	89	35	16	6
HP450-7087	18	102	35	18	6
HP450-7874	20	102	38	20	6
HP450-8661	22	102	38	22	6
HP450-9843	25	102	38	25	8

Packed: 1 pc. Available TiAlN coating only.

#### **OSG's Performance & Savings**

Want to turbo-charge performance? Try EXOCARB® WXS® - List 4440 or 4540 (p. 886 or 887)

Work Material																	
	Р					M K N			S			H					
List No.	Ca Low	rbon Stee Med.	els High	Alloy Steels	Die	Stainless Steels		Cast Aluminum		Nickel Alloy		Hardened Steels					
LIST NU.	1010 1018	1035 1045	1065	4140 4340	Steels	300	400	17-4 PH	Iron	6061 7075	Casting	Inconel	6AI4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
HP450	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$			$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	

EDP

Number

TIAIN

HP450-5000

HP450-5625

HP450-6250

HP450-7500

HP450-8750

HP450-1000

Mill

Diameter

D

1/2

9/16

5/8

3/4

7/8

1

Overall

Length

L

3

3-1/2

3-1/2

4

4

4

🔘 best 🔵 good



Length

Lc

1

1-1/8

1-1/4 1-1/2

1-1/2

1-1/2

Shank

d

1/2

9/16

5/8

3/4

7/8

1

of Cut Diameter

Units: Inch

Number of Flutes

6

6

6

6

6

8

**PC** 

SPEED FEED P1241	CARBIDE	TiAIN	•	50°	shani h6
		Milling	Diamete	r Tolerand	e
		3≤D≤25		+0/-0.038	mm

					Unit
EDP umber	Mill Diameter	Overall Length	Length of Cut	Shank Diameter	Num

**HY-PRO® CARB Square End** 

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