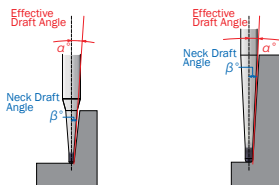




List 9581

EXOPRO® PHX-PC-DBT, Pencil Neck, Deep Feed

SPEED FEED 1473-1474	CARBIDE	WXS	3 FLUTE	45°	SHANK h6	STUB	PACKED 1 PIECE
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Radius Tolerance	
0.6mm ≤ D ≤ 6mm	+/- 0.010mm

Note: The tool may deflect and interfere with the draft area depending on the milling condition.

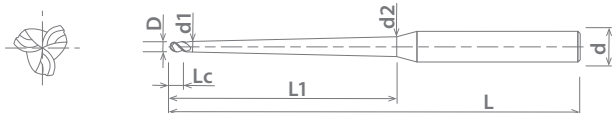
Note: For convenience, the Neck Draft Angle (β°) is shown the same as the Effective Draft Angle (α°), but actually it is different. (It does not interfere with the Effective Draft Angle (α°))

EDP Number	Diameter	Length of Cut	Neck Diameter Min	Neck Diameter Max	Neck Length	Effective Draft Angle	Neck Draft Angle	Overall Length	Shank Diameter	Type	
											D (mm)
3095125	●	1.00	1.50	0.95	1.20	16.00	0.38	0.50	60.00	6.00	1
3095141	●	1.00	1.50	0.95	1.10	6.00	0.56	1.00	60.00	6.00	1
3095142	●	1.00	1.50	0.95	1.17	8.00	0.68	1.00	60.00	6.00	1
3095143	●	1.00	1.50	0.95	1.24	10.00	0.75	1.00	60.00	6.00	1
3095144	●	1.00	1.50	0.95	1.31	12.00	0.79	1.00	60.00	6.00	1
3095145	●	1.00	1.50	0.95	1.45	16.00	0.85	1.00	60.00	6.00	1
3095146	●	1.00	1.50	0.95	1.59	20.00	0.88	1.00	60.00	6.00	1
3095155	●	1.00	1.50	0.95	1.65	15.00	1.30	1.50	60.00	6.00	1
3095147	●	1.00	1.50	0.95	1.77	25.00	0.91	1.00	70.00	6.00	1
3095157	●	1.00	1.50	0.95	2.18	25.00	1.39	1.50	70.00	6.00	1
3095191	●	1.00	1.50	0.95	5.43	30.00	4.30	4.50	70.00	6.00	1
3095211	●	1.50	2.25	1.45	1.58	6.00	0.45	1.00	60.00	6.00	1
3095212	●	1.50	2.25	1.45	1.68	9.00	0.65	1.00	60.00	6.00	1
3095213	●	1.50	2.25	1.45	1.79	12.00	0.74	1.00	60.00	6.00	1
3095214	●	1.50	2.25	1.45	1.89	15.00	0.80	1.00	60.00	6.00	1
3095215	●	1.50	2.25	1.45	2.10	21.00	0.86	1.00	60.00	6.00	1
3095216	●	1.50	2.25	1.45	2.41	30.00	0.90	1.00	70.00	6.00	1
3095223	●	2.00	3.00	1.95	2.24	20.00	0.38	0.50	60.00	6.00	1
3095241	●	2.00	3.00	1.95	2.19	10.00	0.62	1.00	60.00	6.00	1
3095242	●	2.00	3.00	1.95	2.36	15.00	0.76	1.00	60.00	6.00	1
3095243	●	2.00	3.00	1.95	2.54	20.00	0.82	1.00	60.00	6.00	1
3095244	●	2.00	3.00	1.95	2.71	25.00	0.86	1.00	70.00	6.00	1
3095245	●	2.00	3.00	1.95	2.89	30.00	0.89	1.00	80.00	6.00	1
3095246	●	2.00	3.00	1.95	3.24	40.00	0.92	1.00	80.00	6.00	1
3095251	●	2.00	3.00	1.95	3.88	40.00	1.39	1.50	80.00	6.00	1
3095273	●	2.00	3.00	1.95	5.75	41.20	2.85	3.00	80.00	6.00	2
3095281	●	2.00	3.00	1.95	5.67	30.00	3.95	3.80	80.00	6.00	2
3095247	●	2.00	3.00	1.95	3.59	50.00	0.93	1.00	100.00	6.00	1
3095262	●	2.00	3.00	1.95	5.81	60.30	1.94	2.00	100.00	6.00	2
3095321	●	3.00	4.50	2.90	3.17	20.00	0.27	0.50	80.00	6.00	1
3095341	●	3.00	4.50	2.90	3.44	20.00	0.69	1.00	80.00	6.00	1
3095342	●	3.00	4.50	2.90	3.61	25.00	0.76	1.00	80.00	6.00	1
3095343	●	3.00	4.50	2.90	3.79	30.00	0.80	1.00	80.00	6.00	1
3095344	●	3.00	4.50	2.90	4.13	40.00	0.85	1.00	80.00	6.00	1
3095374	●	3.00	4.50	2.90	5.60	32.10	2.81	3.00	80.00	6.00	2
3095345	●	3.00	4.50	2.90	4.48	50.00	0.88	1.00	100.00	6.00	1
3095346	●	3.00	4.50	2.90	4.83	60.00	0.90	1.00	100.00	6.00	1
3095356	●	3.00	4.50	2.90	5.74	60.80	1.45	1.50	100.00	6.00	2
3095365	●	3.00	4.50	2.90	5.70	46.50	1.92	2.00	100.00	6.00	2
3095421	●	4.00	6.00	3.90	4.23	25.00	0.29	0.50	80.00	6.00	1
3095441	●	4.00	6.00	3.90	4.73	30.00	0.76	1.00	80.00	6.00	1
3095442	●	4.00	6.00	3.90	5.08	40.00	0.82	1.00	80.00	6.00	1

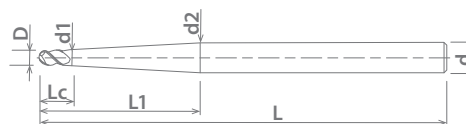
● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



Type 1



Type 2



CONTINUED ➔

P					M			K	N		S		H			
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel					Aluminum	Nickel Alloy	Titanium					
Low	Medium	High						6061				Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC
1010	1035	1045	1065	4140	4340	300	400	17-4 PH	7075	Casting	30 HRC					
○	○	○	○	○	○	○	○	○					○	○	○	○

○ Good ○ Best

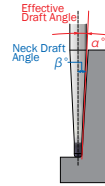
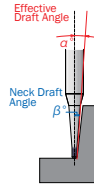




List 9581 (Continued)

EXOPRO[®] PHX-PC-DBT, Pencil Neck, Deep Feed

SPEED FEED 1473-1474	CARBIDE	WXS	3 FLUTE	45°		SHANK h6	STUB	PACKED 1 PIECE
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Radius Tolerance	
0.6mm ≤ D ≤ 6mm	+/- 0.010mm

Note: The tool may deflect and interfere with the draft area depending on the milling condition.

Note: For convenience, the Neck Draft Angle (β°) is shown the same as the Effective Draft Angle (α°), but actually it is different. (It does not interfere with the Effective Draft Angle (α°))

EDP Number	Diameter	Length of Cut	Neck Diameter Min	Neck Diameter Max	Neck Length	Effective Draft Angle	Neck Draft Angle	Overall Length	Shank Diameter	Type
3095453	4.00	6.00	3.90	5.70	42.20	1.43	1.50	80.00	6.00	2
3095443	4.00	6.00	3.90	5.43	50.00	0.86	1.00	100.00	6.00	1
3095444	4.00	6.00	3.90	5.76	61.30	0.97	1.00	100.00	6.00	2
3095472	4.00	6.00	3.90	7.50	42.20	2.85	3.00	100.00	8.00	2
3095445	4.00	6.00	3.90	6.48	80.00	0.92	1.00	120.00	8.00	1
3095454	4.00	6.00	3.90	7.69	80.40	1.47	1.50	120.00	8.00	2
3095462	4.00	6.00	3.90	7.63	61.30	1.94	2.00	120.00	8.00	2
3095541	5.00	7.50	4.90	5.86	35.00	0.76	1.00	100.00	8.00	1
3095542	5.00	7.50	4.90	6.38	50.00	0.84	1.00	100.00	8.00	1
3095543	5.00	7.50	4.90	7.08	70.00	0.89	1.00	130.00	8.00	1
3095544	5.00	7.50	4.90	7.72	90.40	0.98	1.00	130.00	8.00	2
3095553	5.00	7.50	4.90	7.64	61.80	1.45	1.50	130.00	8.00	2
3095562	5.00	7.50	4.90	7.56	47.50	1.91	2.00	130.00	8.00	2
3095641	6.00	9.00	5.90	6.98	40.00	0.77	1.00	100.00	8.00	1
3095642	6.00	9.00	5.90	7.33	50.00	0.82	1.00	100.00	8.00	1
3095651	6.00	9.00	5.90	7.60	43.20	1.43	1.50	100.00	8.00	2
3095661	6.00	9.00	5.90	7.50	33.60	1.87	2.00	100.00	8.00	2
3095643	6.00	9.00	5.90	7.69	62.30	0.97	1.00	130.00	8.00	2
3095644	6.00	9.00	5.90	8.72	90.00	0.90	1.00	130.00	10.00	1
3095653	6.00	9.00	5.90	9.59	81.40	1.47	1.50	130.00	10.00	2
3095662	6.00	9.00	5.90	9.49	62.30	1.94	2.00	130.00	10.00	2
3095841	8.00	12.00	7.90	9.22	50.00	0.77	1.00	120.00	10.00	1
3095842	8.00	12.00	7.90	9.62	63.30	0.97	1.00	120.00	10.00	2
3095851	8.00	12.00	7.90	9.50	44.20	1.43	1.50	120.00	10.00	2
3095862	8.00	12.00	7.90	11.35	63.30	1.94	2.00	120.00	12.00	2
3095843	8.00	12.00	7.90	10.62	90.00	0.88	1.00	150.00	12.00	1
3095853	8.00	12.00	7.90	11.49	82.40	1.47	1.50	150.00	12.00	2
3095844	8.00	12.00	7.90	11.62	120.60	0.99	1.00	180.00	12.00	2
3096041	10.00	15.00	9.90	11.56	64.30	0.97	1.00	120.00	12.00	2
3096051	10.00	15.00	9.90	11.40	45.20	1.43	1.50	120.00	12.00	2
3096061	10.00	15.00	9.90	11.24	35.60	1.87	2.00	120.00	12.00	2
3096042	10.00	15.00	9.90	12.16	80.00	0.83	1.00	160.00	16.00	1
3096043	10.00	15.00	9.90	12.86	100.00	0.87	1.00	160.00	16.00	1
3096064	10.00	15.00	9.90	15.21	92.90	1.96	2.00	160.00	16.00	2
3096044	10.00	15.00	9.90	13.56	120.00	0.89	1.00	180.00	16.00	1
3096053	10.00	15.00	9.90	15.38	121.60	1.48	1.50	180.00	16.00	2
3096045	10.00	15.00	9.90	14.26	140.00	0.91	1.00	200.00	16.00	1
3096046	10.00	15.00	9.90	14.96	160.00	0.92	1.00	220.00	16.00	1
3096241	12.00	18.00	11.90	13.36	60.00	0.73	1.00	120.00	16.00	1
3096242	12.00	18.00	11.90	14.76	100.00	0.85	1.00	180.00	16.00	1
3096243	12.00	18.00	11.90	15.48	122.60	0.99	1.00	180.00	16.00	2
3096244	12.00	18.00	11.90	16.85	160.00	0.91	1.00	220.00	20.00	1
3096254	12.00	18.00	11.90	19.27	160.80	1.48	1.50	220.00	20.00	2

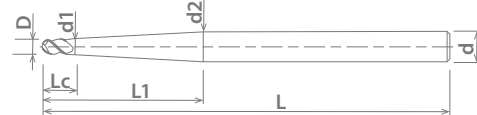
● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked

EP

Type 1



Type 2



P					M			K	N		S		H			
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel	300	400	17-4 PH		Aluminum		Nickel Alloy	Titanium				
Low	Medium	High						6061	Casting	Inconel			6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC
1010	1035	1045	4140	4340	300	400	17-4 PH	6061	7075	Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
○	○	○	○	○	○	○	○	○					○	○	○	○

○ Good ○ Best

