



EXOTAP® VC-10

Ideal for Difficult to Machine Materials

ABOUT OSG

DRILLING

THREADING

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List 314

EXOTAP® VC-10 POT STI

SPIRAL POINT	VC10	S/O	V	C/SP	0°	STI	PACKED 1 PIECE
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EDP		Thread Size	Thread Limit	Overall Length	Thread Length	Neck Length	Shank Diameter	Square Width	Square Length	Number of Flutes	Surface Treatment
				L (Inch)	Lc (Inch)	L1 (Inch)	d (Inch)	k (Inch)	lk (Inch)		
1714601	●	No. 2 - 56 UNC STI	H2	1.882	0.299	0.610	0.141	0.110	0.188	2	Steam Oxide
1714608	●	No. 2 - 56 UNC STI	H2	1.882	0.299	0.610	0.141	0.110	0.188	2	V
31400101	●	No. 3 - 48 UNC STI	H2	1.941	0.346	0.681	0.141	0.110	0.188	3	Steam Oxide
31400108	●	No. 3 - 48 UNC STI	H2	1.941	0.346	0.681	0.141	0.110	0.188	3	V
1714701	●	No. 4 - 40 UNC STI	H2	2.000	0.413	0.751	0.141	0.110	0.188	3	Steam Oxide
1714708	●	No. 4 - 40 UNC STI	H2	2.000	0.413	0.751	0.141	0.110	0.188	3	V
31400201	●	No. 4 - 48 UNF STI	H2	2.000	0.413	0.751	0.141	0.110	0.188	3	Steam Oxide
31400208	●	No. 4 - 48 UNF STI	H2	2.000	0.413	0.751	0.141	0.110	0.188	3	V
1714801	●	No. 6 - 32 UNC STI	H2	2.382	0.515	0.952	0.194	0.152	0.250	3	Steam Oxide
1714808	●	No. 6 - 32 UNC STI	H2	2.382	0.515	0.952	0.194	0.152	0.250	3	V
1714901	●	No. 6 - 32 UNC STI	H3	2.382	0.515	0.952	0.194	0.152	0.250	3	Steam Oxide
1714908	●	No. 6 - 32 UNC STI	H3	2.382	0.515	0.952	0.194	0.152	0.250	3	V
31400301	●	No. 6 - 40 UNF STI	H2	2.130	0.515	0.830	0.168	0.131	0.250	3	Steam Oxide
31400308	●	No. 6 - 40 UNF STI	H2	2.130	0.515	0.830	0.168	0.131	0.250	3	V
1715001	●	No. 8 - 32 UNC STI	H2	2.382	0.527	1.027	0.220	0.165	0.281	3	Steam Oxide
1715008	●	No. 8 - 32 UNC STI	H2	2.382	0.527	1.027	0.220	0.165	0.281	3	V
1715101	●	No. 8 - 32 UNC STI	H3	2.382	0.527	1.027	0.220	0.165	0.281	3	Steam Oxide
1715108	●	No. 8 - 32 UNC STI	H3	2.382	0.527	1.027	0.220	0.165	0.281	3	V
31400401	●	No. 8 - 36 UNF STI	H2	2.382	0.527	1.027	0.220	0.165	0.281	3	Steam Oxide
31400408	●	No. 8 - 36 UNF STI	H2	2.382	0.527	1.027	0.220	0.165	0.281	3	V
31400501	●	No. 10 - 24 UNC STI	H2	2.500	0.688	1.106	0.255	0.191	0.313	3	Steam Oxide
31400508	●	No. 10 - 24 UNC STI	H2	2.500	0.688	1.106	0.255	0.191	0.313	3	V
31400601	●	No. 10 - 24 UNC STI	H3	2.500	0.688	1.106	0.255	0.191	0.313	3	Steam Oxide
31400608	●	No. 10 - 24 UNC STI	H3	2.500	0.688	1.106	0.255	0.191	0.313	3	V
1715201	●	No. 10 - 32 UNF STI	H2	2.500	0.688	1.106	0.255	0.191	0.313	3	Steam Oxide
1715208	●	No. 10 - 32 UNF STI	H2	2.500	0.688	1.106	0.255	0.191	0.313	3	V
1715301	●	No. 10 - 32 UNF STI	H3	2.500	0.688	1.106	0.255	0.191	0.313	3	Steam Oxide
1715308	●	No. 10 - 32 UNF STI	H3	2.500	0.688	1.106	0.255	0.191	0.313	3	V
31400701	●	1/4 - 20 UNC STI	H2	2.720	0.842	1.267	0.318	0.238	0.375	3	Steam Oxide
31400708	●	1/4 - 20 UNC STI	H2	2.720	0.842	1.267	0.318	0.238	0.375	3	V
31400801	●	1/4 - 20 UNC STI	H3	2.720	0.842	1.267	0.318	0.238	0.375	3	Steam Oxide
31400808	●	1/4 - 20 UNC STI	H3	2.720	0.842	1.267	0.318	0.238	0.375	3	V
1715401	●	1/4 - 28 UNC STI	H2	2.720	0.838	1.263	0.318	0.238	0.375	3	Steam Oxide
1715408	●	1/4 - 28 UNC STI	H2	2.720	0.838	1.263	0.318	0.238	0.375	3	V
1715501	●	1/4 - 28 UNC STI	H3	2.720	0.838	1.263	0.318	0.238	0.375	3	Steam Oxide
1715508	●	1/4 - 28 UNC STI	H3	2.720	0.838	1.263	0.318	0.238	0.375	3	V
31400901	●	5/16 - 18 UNC STI	H2	2.941	0.956	1.429	0.381	0.286	0.438	3	Steam Oxide
31400908	●	5/16 - 18 UNC STI	H2	2.941	0.956	1.429	0.381	0.286	0.438	3	V
31401001	●	5/16 - 18 UNC STI	H3	2.941	0.956	1.429	0.381	0.286	0.438	3	Steam Oxide
31401008	●	5/16 - 18 UNC STI	H3	2.941	0.956	1.429	0.381	0.286	0.438	3	V
31401101	●	5/16 - 24 UNF STI	H2	2.941	0.952	1.425	0.381	0.286	0.438	3	Steam Oxide
31401108	●	5/16 - 24 UNF STI	H2	2.941	0.952	1.425	0.381	0.286	0.438	3	V
1715601	●	5/16 - 24 UNF STI	H3	2.941	0.952	1.251	0.381	0.286	0.438	3	Steam Oxide
1715608	●	5/16 - 24 UNF STI	H3	2.941	0.952	1.251	0.381	0.286	0.438	3	V
31401201	●	3/8 - 16 UNC STI	H3	3.382	0.874	1.307	0.367	0.275	0.438	3	Steam Oxide
31401208	●	3/8 - 16 UNC STI	H3	3.382	0.874	1.307	0.367	0.275	0.438	3	V
31401301	●	3/8 - 16 UNC STI	H4	3.382	0.874	1.307	0.367	0.275	0.438	3	Steam Oxide
31401308	●	3/8 - 16 UNC STI	H4	3.382	0.874	1.307	0.367	0.275	0.438	3	V
31401401	●	3/8 - 24 UNF STI	H2	3.382	0.874	1.307	0.323	0.242	0.406	3	Steam Oxide
31401408	●	3/8 - 24 UNF STI	H2	3.382	0.874	1.307	0.323	0.242	0.406	3	V
31401501	●	3/8 - 24 UNF STI	H3	3.382	0.874	1.307	0.323	0.242	0.406	3	Steam Oxide
31401508	●	3/8 - 24 UNF STI	H3	3.382	0.874	1.307	0.323	0.242	0.406	3	V
31401601	●	7/16 - 14 UNC STI	H3	3.594	1.000	1.472	0.429	0.322	0.500	3	Steam Oxide

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





List 314 (Continued)

EXOTAP® VC-10 POT STI

SPIRAL POINT	VC10	S/O	V	C/SP	0°	STI	PACKED 1 PIECE
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EDP		Thread Size	Thread Limit	Overall Length	Thread Length	Neck Length	Shank Diameter	Square Width	Square Length	Number of Flutes	Surface Treatment
				L (Inch)	Lc (Inch)	L1 (Inch)	d (Inch)	k (Inch)	lk (Inch)		
31401608	●	7/16 - 14 UNC STI	H3	3.594	1.000	1.472	0.429	0.322	0.500	3	V
31401701	●	7/16 - 14 UNC STI	H4	3.594	1.000	1.472	0.429	0.322	0.500	3	Steam Oxide
31401708	●	7/16 - 14 UNC STI	H4	3.594	1.000	1.472	0.429	0.322	0.500	3	V
31401801	●	7/16 - 20 UNF STI	H3	3.382	1.000	1.433	0.367	0.275	0.438	3	Steam Oxide
31401808	●	7/16 - 20 UNF STI	H3	3.382	1.000	1.433	0.367	0.275	0.438	3	V
31401901	●	7/16 - 20 UNF STI	H4	3.382	1.000	1.433	0.367	0.275	0.438	3	Steam Oxide
31401908	●	7/16 - 20 UNF STI	H4	3.382	1.000	1.433	0.367	0.275	0.438	3	V
31402001	●	1/2 - 13 UNC STI	H3	3.811	1.078	1.551	0.480	0.360	0.563	3	Steam Oxide
31402008	●	1/2 - 13 UNC STI	H3	3.811	1.078	1.551	0.480	0.360	0.563	3	V
31402101	●	1/2 - 13 UNC STI	H4	3.811	1.078	1.551	0.480	0.360	0.563	3	Steam Oxide
31402108	●	1/2 - 13 UNC STI	H4	3.811	1.078	1.551	0.480	0.360	0.563	3	V
31402201	●	1/2 - 20 UNF STI	H3	3.591	1.078	1.551	0.429	0.322	0.500	3	Steam Oxide
31402208	●	1/2 - 20 UNF STI	H3	3.591	1.078	1.551	0.429	0.322	0.500	3	V
31402301	●	1/2 - 20 UNF STI	H4	3.591	1.078	1.551	0.429	0.322	0.500	3	Steam Oxide
31402308	●	1/2 - 20 UNF STI	H4	3.591	1.078	1.551	0.429	0.322	0.500	3	V
31402401	●	9/16 - 12 UNC STI	H3	4.031	1.165	1.677	0.542	0.406	0.625	4	Steam Oxide
31402408	●	9/16 - 12 UNC STI	H3	4.031	1.165	1.677	0.542	0.406	0.625	4	V
31402501	●	9/16 - 12 UNC STI	H4	4.031	1.165	1.677	0.542	0.406	0.625	4	Steam Oxide
31402508	●	9/16 - 12 UNC STI	H4	4.031	1.165	1.677	0.542	0.406	0.625	4	V
31402601	●	9/16 - 18 UNF STI	H3	3.811	1.165	1.677	0.480	0.360	0.563	4	Steam Oxide
31402608	●	9/16 - 18 UNF STI	H3	3.811	1.165	1.677	0.480	0.360	0.563	4	V
31402701	●	9/16 - 18 UNF STI	H4	3.811	1.165	1.677	0.480	0.360	0.563	4	Steam Oxide
31402708	●	9/16 - 18 UNF STI	H4	3.811	1.165	1.677	0.480	0.360	0.563	4	V
31402801	●	5/8 - 11 UNC STI	H3	4.252	1.271	1.822	0.590	0.442	0.688	4	Steam Oxide
31402808	●	5/8 - 11 UNC STI	H3	4.252	1.271	1.822	0.590	0.442	0.688	4	V
31402901	●	5/8 - 11 UNC STI	H4	4.252	1.271	1.822	0.590	0.442	0.688	4	Steam Oxide
31402908	●	5/8 - 11 UNC STI	H4	4.252	1.271	1.822	0.590	0.442	0.688	4	V
31403001	●	5/8 - 18 UNF STI	H3	4.031	1.271	1.783	0.542	0.406	0.625	4	Steam Oxide
31403008	●	5/8 - 18 UNF STI	H3	4.031	1.271	1.783	0.542	0.406	0.625	4	V
31403101	●	5/8 - 18 UNF STI	H4	4.031	1.271	1.783	0.542	0.406	0.625	4	Steam Oxide
31403108	●	5/8 - 18 UNF STI	H4	4.031	1.271	1.783	0.542	0.406	0.625	4	V
31403201	●	3/4 - 10 UNC STI	H3	4.689	1.401	1.992	0.697	0.523	0.750	4	Steam Oxide
31403208	●	3/4 - 10 UNC STI	H3	4.689	1.401	1.992	0.697	0.523	0.750	4	V
31403301	●	3/4 - 10 UNC STI	H5	4.689	1.401	1.992	0.697	0.523	0.750	4	Steam Oxide
31403308	●	3/4 - 10 UNC STI	H5	4.689	1.401	1.992	0.697	0.523	0.750	4	V
31403401	●	3/4 - 16 UNF STI	H3	4.469	1.401	1.952	0.652	0.489	0.688	4	Steam Oxide
31403408	●	3/4 - 16 UNF STI	H3	4.469	1.401	1.952	0.652	0.489	0.688	4	V
31403501	●	3/4 - 16 UNF STI	H4	4.469	1.401	1.952	0.652	0.489	0.688	4	Steam Oxide
31403508	●	3/4 - 16 UNF STI	H4	4.469	1.401	1.952	0.652	0.489	0.688	4	V
31403601	●	7/8 - 9 UNC STI	H3	5.126	1.555	2.145	0.800	0.600	0.813	4	Steam Oxide
31403608	●	7/8 - 9 UNC STI	H3	5.126	1.555	2.145	0.800	0.600	0.813	4	V
31403701	●	7/8 - 9 UNC STI	H5	5.126	1.555	2.145	0.800	0.600	0.813	4	Steam Oxide
31403708	●	7/8 - 9 UNC STI	H5	5.126	1.555	2.145	0.800	0.600	0.813	4	V
31403801	●	7/8 - 14 UNF STI	H3	5.126	1.555	2.145	0.800	0.600	0.813	4	Steam Oxide
31403808	●	7/8 - 14 UNF STI	H3	5.126	1.555	2.145	0.800	0.600	0.813	4	V
31403901	●	7/8 - 14 UNF STI	H4	5.126	1.555	2.145	0.800	0.600	0.813	4	Steam Oxide
31403908	●	7/8 - 14 UNF STI	H4	5.126	1.555	2.145	0.800	0.600	0.813	4	V
31404001	●	1 - 8 UNC STI	H4	5.752	1.751	2.381	1.021	0.766	1.000	4	Steam Oxide

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

EXT

CONTINUED

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	7075			Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
1010	1035	1065	4140	4340															
1018	1045																		
			15-30 SFM	10-25 SFM															

○ Good ⊗ Best





EXOTAP® VC-10

Ideal for Difficult to Machine Materials

ABOUT OSG

DRILLING

THREADING

MILLING

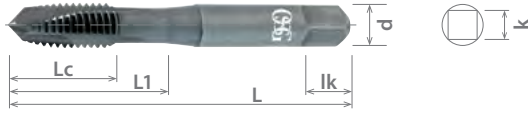
HOLDERS

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List 314 (Continued)

EXOTAP® VC-10 POT STI

SPIRAL POINT	VC10	S/O	V	C/SP	0°	STI	PACKED 1 PIECE
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EDP		Thread Size	Thread Limit	Overall Length	Thread Length	Neck Length	Shank Diameter	Square Width	Square Length	Number of Flutes	Surface Treatment
				L (Inch)	Lc (Inch)	L1 (Inch)	d (Inch)	k (Inch)	lk (Inch)		
31404008	●	1 - 8 UNC STI	H4	5.752	1.751	2.381	1.021	0.766	1.000	4	V
31404101	●	1 - 8 UNC STI	H6	5.752	1.751	2.381	1.021	0.766	1.000	4	Steam Oxide
31404108	●	1 - 8 UNC STI	H6	5.752	1.751	2.381	1.021	0.766	1.000	4	V
31404201	●	1 - 12 UNF STI	H4	5.441	1.751	2.381	0.896	0.672	0.875	4	Steam Oxide
31404208	●	1 - 12 UNF STI	H4	5.441	1.751	2.381	0.896	0.672	0.875	4	V
31404301	●	1 - 12 UNF STI	H6	5.441	1.751	2.381	0.896	0.672	0.875	4	Steam Oxide
31404308	●	1 - 12 UNF STI	H6	5.441	1.751	2.381	0.896	0.672	0.875	4	V

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



P					M			K	N		S		H				
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel				
Carbon Steel			Alloy Steel	Die Steel	Aluminum		Inconel		Titanium								
Low	Medium	High			6061	7075				Casting	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC			
1010	1035	1065	4140	○	300	400	17-4 PH				6Al4V (30 HRC)	○	○	○	○		
1018	1045		4340		○							○	○	○	○		
			15-30 SFM	10-25 SFM		12-45 SFM	8-20 SFM				8-15 SFM	8-15 SFM	15-35 SFM	10-20 SFM			

○ Good ○ Best

