



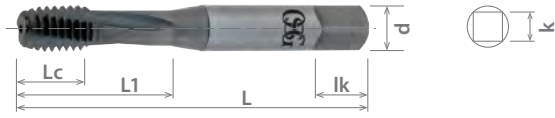
# EXOTAP® VC-10

Ideal for Difficult to Machine Materials

## List 315

EXOTAP® VC-10 V-HL-SFT STI

SPIRAL FLUTE	VC10	S/O	V	C/2.SP	15°	STI	PACKED 1 PIECE
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ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

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)			
1715701	●	No. 2 - 56 UNC STI	H2	1.933	0.177	0.562	0.141	0.110	0.188	2	Steam Oxide
1715708	●	No. 2 - 56 UNC STI	H2	1.933	0.177	0.562	0.141	0.110	0.188	2	V
31500101	●	No. 3 - 48 UNC STI	H2	1.996	0.208	0.625	0.141	0.110	0.188	2	Steam Oxide
31500108	●	No. 3 - 48 UNC STI	H2	1.996	0.208	0.625	0.141	0.110	0.188	2	V
1715801	●	No. 4 - 40 UNC STI	H2	2.059	0.251	0.688	0.141	0.110	0.188	2	Steam Oxide
1715808	●	No. 4 - 40 UNC STI	H2	2.059	0.251	0.688	0.141	0.110	0.188	2	V
31500201	●	No. 4 - 48 UNF STI	H2	2.075	0.267	0.740	0.141	0.110	0.188	2	Steam Oxide
31500208	●	No. 4 - 48 UNF STI	H2	2.075	0.267	0.740	0.141	0.110	0.188	2	V
1715901	●	No. 6 - 32 UNC STI	H2	2.457	0.311	0.874	0.194	0.152	0.250	3	Steam Oxide
1715908	●	No. 6 - 32 UNC STI	H2	2.457	0.311	0.874	0.194	0.152	0.250	3	V
1716001	●	No. 6 - 32 UNC STI	H3	2.457	0.311	0.874	0.194	0.152	0.250	3	Steam Oxide
1716008	●	No. 6 - 32 UNC STI	H3	2.457	0.311	0.874	0.194	0.152	0.250	3	V
31500301	●	No. 6 - 40 UNF STI	H2	2.213	0.326	0.767	0.168	0.131	0.250	3	Steam Oxide
31500308	●	No. 6 - 40 UNF STI	H2	2.213	0.326	0.767	0.168	0.131	0.250	3	V
1716101	●	No. 8 - 32 UNC STI	H2	2.465	0.311	0.937	0.220	0.165	0.281	3	Steam Oxide
1716108	●	No. 8 - 32 UNC STI	H2	2.465	0.311	0.937	0.220	0.165	0.281	3	V
1716201	●	No. 8 - 32 UNC STI	H3	2.465	0.311	0.937	0.220	0.165	0.281	3	Steam Oxide
1716208	●	No. 8 - 32 UNC STI	H3	2.465	0.311	0.937	0.220	0.165	0.281	3	V
31500401	●	No. 8 - 36 UNF STI	H2	2.484	0.330	0.956	0.220	0.165	0.281	3	Steam Oxide
31500408	●	No. 8 - 36 UNF STI	H2	2.484	0.330	0.956	0.220	0.165	0.281	3	V
31500501	●	No. 10 - 24 UNC STI	H2	2.524	0.440	1.230	0.255	0.191	0.313	3	Steam Oxide
31500508	●	No. 10 - 24 UNC STI	H2	2.524	0.440	1.230	0.255	0.191	0.313	3	V
31500601	●	No. 10 - 24 UNC STI	H3	2.524	0.440	1.230	0.255	0.191	0.313	3	Steam Oxide
31500608	●	No. 10 - 24 UNC STI	H3	2.524	0.440	1.230	0.255	0.191	0.313	3	V
1716301	●	No. 10 - 32 UNF STI	H2	2.500	0.417	1.000	0.255	0.191	0.313	3	Steam Oxide
1716308	●	No. 10 - 32 UNF STI	H2	2.500	0.417	1.000	0.255	0.191	0.313	3	V
1716401	●	No. 10 - 32 UNF STI	H3	2.500	0.417	1.000	0.255	0.191	0.313	3	Steam Oxide
1716408	●	No. 10 - 32 UNF STI	H3	2.500	0.417	1.000	0.255	0.191	0.313	3	V
31500701	●	1/4 - 20 UNC STI	H2	2.720	0.500	1.125	0.318	0.238	0.375	3	Steam Oxide
31500708	●	1/4 - 20 UNC STI	H2	2.720	0.500	1.125	0.318	0.238	0.375	3	V
31500801	●	1/4 - 20 UNC STI	H3	2.720	0.500	1.125	0.318	0.238	0.375	3	Steam Oxide
31500808	●	1/4 - 20 UNC STI	H3	2.720	0.500	1.125	0.318	0.238	0.375	3	V
1716501	●	1/4 - 28 UNF STI	H2	2.720	0.500	1.125	0.318	0.238	0.375	3	Steam Oxide
1716508	●	1/4 - 28 UNF STI	H2	2.720	0.500	1.125	0.318	0.238	0.375	3	V
1716601	●	1/4 - 28 UNF STI	H3	2.720	0.500	1.125	0.318	0.238	0.375	3	Steam Oxide
1716608	●	1/4 - 28 UNF STI	H3	2.720	0.500	1.125	0.318	0.238	0.375	3	V
31500901	●	5/16 - 18 UNC STI	H3	2.937	0.555	1.251	0.381	0.286	0.438	3	Steam Oxide
31500908	●	5/16 - 18 UNC STI	H3	2.937	0.555	1.251	0.381	0.286	0.438	3	V
31501001	●	5/16 - 18 UNC STI	H4	2.937	0.555	1.251	0.381	0.286	0.438	3	Steam Oxide
31501008	●	5/16 - 18 UNC STI	H4	2.937	0.555	1.251	0.381	0.286	0.438	3	V
31501101	●	5/16 - 24 UNF STI	H2	2.937	0.555	1.251	0.381	0.286	0.438	3	Steam Oxide
31501108	●	5/16 - 24 UNF STI	H2	2.937	0.555	1.251	0.381	0.286	0.438	3	V
1716701	●	5/16 - 24 UNF STI	H3	2.937	0.555	1.251	0.381	0.286	0.438	3	Steam Oxide
1716708	●	5/16 - 24 UNF STI	H3	2.937	0.555	1.251	0.381	0.286	0.438	3	V
31501201	●	3/8 - 16 UNC STI	H3	3.374	0.625	1.933	0.367	0.275	0.438	3	Steam Oxide
31501208	●	3/8 - 16 UNC STI	H3	3.374	0.625	1.933	0.367	0.275	0.438	3	V
31501301	●	3/8 - 16 UNC STI	H4	3.374	0.625	1.933	0.367	0.275	0.438	3	Steam Oxide
31501308	●	3/8 - 16 UNC STI	H4	3.374	0.625	1.933	0.367	0.275	0.438	3	V
31501401	●	3/8 - 24 UNF STI	H2	3.157	0.625	1.712	0.323	0.242	0.406	3	Steam Oxide
31501408	●	3/8 - 24 UNF STI	H2	3.157	0.625	1.712	0.323	0.242	0.406	3	V
31501501	●	3/8 - 24 UNF STI	H3	3.157	0.625	1.712	0.323	0.242	0.406	3	Steam Oxide
31501508	●	3/8 - 24 UNF STI	H3	3.157	0.625	1.712	0.323	0.242	0.406	3	V
31501601	●	7/16 - 14 UNC STI	H3	3.594	0.712	1.972	0.429	0.322	0.500	3	Steam Oxide

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





## List 315 (Continued)

EXOTAP® VC-10 V-HL-SFT STI

SPIRAL FLUTE	VC10	S/O	V	C/2.5P	15°	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)		
31501608	●	7/16 - 14 UNC STI	H3	3.594	0.712	1.972	0.429	0.322	0.500	3	V
31501701	●	7/16 - 14 UNC STI	H4	3.594	0.712	1.972	0.429	0.322	0.500	3	Steam Oxide
31501708	●	7/16 - 14 UNC STI	H4	3.594	0.712	1.972	0.429	0.322	0.500	3	V
31501801	●	7/16 - 20 UNF STI	H3	3.374	0.712	1.933	0.367	0.275	0.438	3	Steam Oxide
31501808	●	7/16 - 20 UNF STI	H3	3.374	0.712	1.933	0.367	0.275	0.438	3	V
31501901	●	7/16 - 20 UNF STI	H4	3.374	0.712	1.933	0.367	0.275	0.438	3	Steam Oxide
31501908	●	7/16 - 20 UNF STI	H4	3.374	0.712	1.933	0.367	0.275	0.438	3	V
31502001	●	1/2 - 13 UNC STI	H3	3.811	0.767	2.125	0.480	0.360	0.563	3	Steam Oxide
31502008	●	1/2 - 13 UNC STI	H3	3.811	0.767	2.125	0.480	0.360	0.563	3	V
31502101	●	1/2 - 13 UNC STI	H4	3.811	0.767	2.125	0.480	0.360	0.563	3	Steam Oxide
31502108	●	1/2 - 13 UNC STI	H4	3.811	0.767	2.125	0.480	0.360	0.563	3	V
31502201	●	1/2 - 20 UNF STI	H3	3.594	0.767	1.972	0.429	0.322	0.500	3	Steam Oxide
31502208	●	1/2 - 20 UNF STI	H3	3.594	0.767	1.972	0.429	0.322	0.500	3	V
31502301	●	1/2 - 20 UNF STI	H4	3.594	0.767	1.972	0.429	0.322	0.500	3	Steam Oxide
31502308	●	1/2 - 20 UNF STI	H4	3.594	0.767	1.972	0.429	0.322	0.500	3	V
31502401	●	9/16 - 12 UNC STI	H3	4.031	0.834	2.165	0.542	0.406	0.625	4	Steam Oxide
31502408	●	9/16 - 12 UNC STI	H3	4.031	0.834	2.165	0.542	0.406	0.625	4	V
31502501	●	9/16 - 12 UNC STI	H4	4.031	0.834	2.165	0.542	0.406	0.625	4	Steam Oxide
31502508	●	9/16 - 12 UNC STI	H4	4.031	0.834	2.165	0.542	0.406	0.625	4	V
31502601	●	9/16 - 18 UNF STI	H3	3.811	0.834	2.125	0.480	0.360	0.563	4	Steam Oxide
31502608	●	9/16 - 18 UNF STI	H3	3.811	0.834	2.125	0.480	0.360	0.563	4	V
31502701	●	9/16 - 18 UNF STI	H4	3.811	0.834	2.125	0.480	0.360	0.563	4	Steam Oxide
31502708	●	9/16 - 18 UNF STI	H4	3.811	0.834	2.125	0.480	0.360	0.563	4	V
31502801	●	5/8 - 11 UNC STI	H3	4.252	0.909	2.433	0.590	0.442	0.688	4	Steam Oxide
31502808	●	5/8 - 11 UNC STI	H3	4.252	0.909	2.433	0.590	0.442	0.688	4	V
31502901	●	5/8 - 11 UNC STI	H4	4.252	0.909	2.433	0.590	0.442	0.688	4	Steam Oxide
31502908	●	5/8 - 11 UNC STI	H4	4.252	0.909	2.433	0.590	0.442	0.688	4	V
31503001	●	5/8 - 18 UNF STI	H3	4.031	0.909	2.165	0.542	0.406	0.625	4	Steam Oxide
31503008	●	5/8 - 18 UNF STI	H3	4.031	0.909	2.165	0.542	0.406	0.625	4	V
31503101	●	5/8 - 18 UNF STI	H4	4.031	0.909	2.165	0.542	0.406	0.625	4	Steam Oxide
31503108	●	5/8 - 18 UNF STI	H4	4.031	0.909	2.165	0.542	0.406	0.625	4	V
31503201	●	3/4 - 10 UNC STI	H3	4.689	1.000	2.653	0.697	0.523	0.750	4	Steam Oxide
31503208	●	3/4 - 10 UNC STI	H3	4.689	1.000	2.653	0.697	0.523	0.750	4	V
31503301	●	3/4 - 10 UNC STI	H5	4.689	1.000	2.653	0.697	0.523	0.750	4	Steam Oxide
31503308	●	3/4 - 10 UNC STI	H5	4.689	1.000	2.653	0.697	0.523	0.750	4	V
31503401	●	3/4 - 16 UNF STI	H3	4.469	1.000	2.433	0.652	0.489	0.688	4	Steam Oxide
31503408	●	3/4 - 16 UNF STI	H3	4.469	1.000	2.433	0.652	0.489	0.688	4	V
31503501	●	3/4 - 16 UNF STI	H4	4.469	1.000	2.433	0.652	0.489	0.688	4	Steam Oxide
31503508	●	3/4 - 16 UNF STI	H4	4.469	1.000	2.433	0.652	0.489	0.688	4	V
31503601	●	7/8 - 9 UNC STI	H3	5.126	1.110	3.110	0.800	0.600	0.813	4	Steam Oxide
31503608	●	7/8 - 9 UNC STI	H3	5.126	1.110	3.110	0.800	0.600	0.813	4	V
31503701	●	7/8 - 9 UNC STI	H5	5.126	1.110	3.110	0.800	0.600	0.813	4	Steam Oxide
31503708	●	7/8 - 9 UNC STI	H5	5.126	1.110	3.110	0.800	0.600	0.813	4	V
31503801	●	7/8 - 14 UNF STI	H3	5.126	1.110	3.110	0.800	0.600	0.813	4	Steam Oxide
31503808	●	7/8 - 14 UNF STI	H3	5.126	1.110	3.110	0.800	0.600	0.813	4	V
31503901	●	7/8 - 14 UNF STI	H4	5.126	1.110	3.110	0.800	0.600	0.813	4	Steam Oxide
31503908	●	7/8 - 14 UNF STI	H4	5.126	1.110	3.110	0.800	0.600	0.813	4	V
31504001	●	1 - 8 UNC STI	H4	5.572	1.251	3.114	1.021	0.766	1.000	4	Steam Oxide

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



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	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC		
1010	1035	1065	4140					6061												
1018	1045		4340					7075												
			15-30 SFM	10-25 SFM																

○ Good ⊗ Best





# EXOTAP® VC-10

Ideal for Difficult to Machine Materials

ABOUT OSG

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THREADING

MILLING

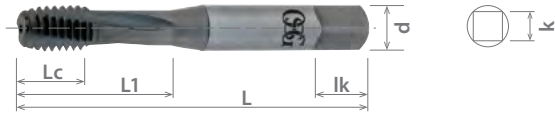
HOLDERS

INDEX

## List 315 (Continued)

EXOTAP® VC-10 V-HL-SFT STI

SPIRAL FLUTE	VC10	S/O	V	C/2.5P	15°	STI	PACKED 1 PIECE
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EDP	Thread Size	Thread Limit	Overall Length			Thread Length			Square Length			Number of Flutes	Surface Treatment
			L (Inch)	Lc (Inch)	L1 (Inch)	d (Inch)	k (Inch)	lk (Inch)					
31504008	1 - 8 UNC STI	H4	5.572	1.251	3.114	1.021	0.766	1.000	4	V			
31504101	1 - 8 UNC STI	H6	5.572	1.251	3.114	1.021	0.766	1.000	4	Steam Oxide			
31504108	1 - 8 UNC STI	H6	5.572	1.251	3.114	1.021	0.766	1.000	4	V			
31504201	1 - 12 UNF STI	H4	5.437	1.251	3.114	0.896	0.672	0.875	4	Steam Oxide			
31504208	1 - 12 UNF STI	H4	5.437	1.251	3.114	0.896	0.672	0.875	4	V			
31504301	1 - 12 UNF STI	H6	5.437	1.251	3.114	0.896	0.672	0.875	4	Steam Oxide			
31504308	1 - 12 UNF STI	H6	5.437	1.251	3.114	0.896	0.672	0.875	4	V			

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

EXT

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	7075				Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC	
1010	1035	1065	4140	Die Steel	300	400	17-4 PH										
1018	1045	1065	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

