



List 1770

V-SERIES HELIOS-20D



SPEED FEED
348

HSS-Co

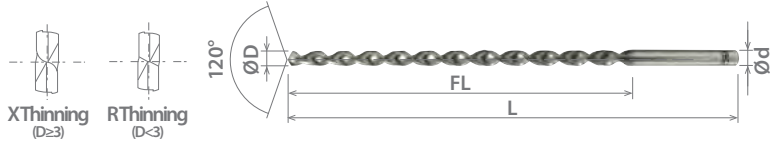
WXL

2 FLUTE

TAPER

40°

PACKED
1 PIECE



Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
1.6 ≤ D ≤ 3	+0 / -0.014	+0 / -0.0006
3 < D ≤ 6	+0 / -0.018	+0 / -0.0007
6 < D ≤ 10	+0 / -0.022	+0 / -0.0009
10 < D ≤ 14.288	+0 / -0.027	+0 / -0.0011

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (in)	d (mm)
8623216	●	-	-	-	1.600	0.06299	38.00	85.00	-	1.60
8623218	●	-	-	-	1.800	0.07087	42.00	85.00	-	1.80
17515311	●	5/64	-	-	1.984	0.07813	46.00	85.00	0.078	-
8623220	●	-	-	-	2.000	0.07874	46.00	85.00	-	2.00
8623221	●	-	-	-	2.100	0.08268	50.00	90.00	-	2.10
8623222	●	-	-	-	2.200	0.08661	52.00	90.00	-	2.20
8623223	●	-	-	-	2.300	0.09055	54.00	95.00	-	2.30
17516011	●	3/32	-	-	2.381	0.09375	56.00	95.00	0.094	-
8623224	●	-	-	-	2.400	0.09449	56.00	95.00	-	2.40
8623225	●	-	-	-	2.500	0.09843	58.00	100.00	-	2.50
8623226	●	-	-	-	2.600	0.10236	60.00	110.00	-	2.60
8623227	●	-	-	-	2.700	0.10630	64.00	115.00	-	2.70
17516711	●	7/64	-	-	2.778	0.10938	66.00	115.00	0.109	-
8623228	●	-	-	-	2.800	0.11024	66.00	115.00	-	2.80
8623229	●	-	-	-	2.900	0.11417	68.00	120.00	-	2.90
8623230	●	-	-	-	3.000	0.11811	70.00	120.00	-	3.00
8623231	●	-	-	-	3.100	0.12205	72.00	125.00	-	3.10
17517311	●	1/8	-	-	3.175	0.12500	74.00	125.00	0.125	-
8623232	●	-	-	-	3.200	0.12598	74.00	125.00	-	3.20
8623233	●	-	-	-	3.300	0.12992	76.00	125.00	-	3.30
8623234	●	-	-	-	3.400	0.13386	80.00	130.00	-	3.40
8623235	●	-	-	-	3.500	0.13780	82.00	130.00	-	3.50
17517611	●	9/64	-	-	3.572	0.14063	82.00	130.00	0.141	-
8623237	●	-	-	-	3.700	0.14567	86.00	135.00	-	3.70
8623238	●	-	-	-	3.800	0.14961	88.00	140.00	-	3.80
17518211	●	5/32	-	-	3.969	0.15625	92.00	140.00	0.156	-
8623240	●	-	-	-	4.000	0.15748	92.00	140.00	-	4.00
8623241	●	-	-	-	4.100	0.16142	96.00	155.00	-	4.10
8623242	●	-	-	-	4.200	0.16535	98.00	155.00	-	4.20
8623243	●	-	-	-	4.300	0.16929	100.00	160.00	-	4.30
17518811	●	11/64	-	-	4.366	0.17188	100.00	160.00	0.172	-
8623245	●	-	-	-	4.500	0.17717	104.00	165.00	-	4.50
8623246	●	-	-	-	4.600	0.18110	106.00	165.00	-	4.60
17519411	●	3/16	-	-	4.763	0.18750	110.00	170.00	0.188	-
8623248	●	-	-	-	4.800	0.18898	112.00	170.00	-	4.80
8623250	●	-	-	-	5.000	0.19685	116.00	175.00	-	5.00
8623251	●	-	-	-	5.100	0.20079	118.00	180.00	-	5.10
17520111	●	13/64	-	-	5.159	0.20313	120.00	180.00	0.203	-
8623252	●	-	-	-	5.200	0.20472	120.00	180.00	-	5.20
8623255	●	-	-	-	5.500	0.21654	128.00	185.00	-	5.50
17520611	●	7/32	-	-	5.556	0.21875	128.00	185.00	0.219	-
8623257	●	-	-	-	5.700	0.22441	132.00	190.00	-	5.70
8623258	●	-	-	-	5.800	0.22835	134.00	200.00	-	5.80
17521011	●	15/64	-	-	5.953	0.23438	138.00	200.00	0.234	-
8623260	●	-	-	-	6.000	0.23622	138.00	200.00	-	6.00
17521411	●	1/4	-	E	6.350	0.25000	146.00	200.00	0.250	-
8623265	●	-	-	-	6.500	0.25591	150.00	225.00	-	6.50
17521711	●	17/64	-	-	6.747	0.26563	156.00	225.00	0.266	-
8623270	●	-	-	-	7.000	0.27559	162.00	230.00	-	7.00
17522011	●	9/32	-	-	7.144	0.28125	164.00	235.00	0.281	-
8623275	●	-	-	-	7.500	0.29528	174.00	245.00	-	7.50
17522311	●	19/64	-	-	7.541	0.29688	174.00	245.00	0.297	-
17522511	●	5/16	-	-	7.938	0.31250	184.00	255.00	0.313	-

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



List 1770 (Continued)

V-SERIES HELIOS-20D



SPEED FEED
348

HSS-Co

WXL

2 FLUTE

TAPER

40°

PACKED
1 PIECE

EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (in)	d (mm)
8623280	●	-	-	-	8.000	0.31496	184.00	255.00	-	8.00
8623281	●	-	-	-	8.100	0.31890	188.00	255.00	-	8.10
8623282	●	-	-	-	8.200	0.32283	190.00	260.00	-	8.20
17522811	●	21/64	-	-	8.334	0.32813	192.00	260.00	0.656	-
8623285	●	-	-	-	8.500	0.33465	196.00	265.00	-	8.50
17523111	●	11/32	-	-	8.731	0.34375	200.00	270.00	0.344	-
8623290	●	-	-	-	9.000	0.35433	208.00	275.00	-	9.00
17523411	●	23/64	-	-	9.128	0.35938	210.00	275.00	0.359	-
17523611	●	3/8	-	-	9.525	0.37500	220.00	290.00	0.375	-
17523911	●	25/64	-	-	9.922	0.39063	230.00	300.00	0.391	-
8623300	●	-	-	-	10.000	0.39370	230.00	300.00	-	10.00
17524211	●	13/32	-	-	10.319	0.40625	238.00	300.00	0.406	-
17524411	●	27/64	-	-	10.716	0.42188	246.00	340.00	0.422	-
8623310	●	-	-	-	11.000	0.43307	254.00	350.00	-	11.00
17524511	●	7/16	-	-	11.113	0.43750	255.00	350.00	0.438	-
17524611	●	29/64	-	-	11.509	0.45313	265.00	350.00	0.453	-
17524711	●	15/32	-	-	11.906	0.46875	274.00	350.00	0.469	-
8623320	●	-	-	-	12.000	0.47244	276.00	350.00	-	12.00
17524911	●	1/2	-	-	12.700	0.50000	292.00	360.00	0.500	-
17526311	●	17/32	-	-	13.494	0.53125	310.00	360.00	0.531	-
17526511	●	9/16	-	-	14.288	0.56250	328.00	378.00	0.563	-

● 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		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	4340	300	400	17-4 PH	6061	7075								
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

○ Good ○ Best

