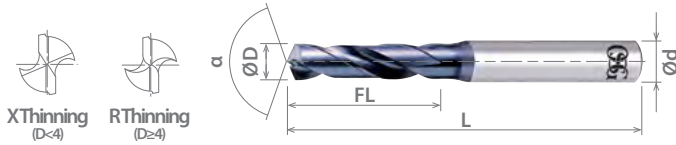




List 1900

V-SERIES-VPH-GDS

SPEED FEED 342-343	XPM	V	2 FLUTE	STUB	30°	PACKED 1 PIECE
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Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
0.5 ≤ 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 ≤ 18	+0 / -0.027	+0 / -0.0011
18 < D ≤ 20	+0 / -0.033	+0 / -0.0013

EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α
8599005	●	-	-	-	0.500	0.01969	3.00	38.00	3.00	130
8608055	●	-	-	-	0.550	0.02165	3.50	38.00	3.00	130
8608056	●	-	-	-	0.560	0.02205	3.50	38.00	3.00	130
8608057	●	-	-	-	0.570	0.02244	3.50	38.00	3.00	130
8599006	●	-	-	-	0.600	0.02362	3.50	38.00	3.00	130
8608061	●	-	-	-	0.610	0.02402	4.00	38.00	3.00	130
8608063	●	-	-	-	0.630	0.02480	4.00	38.00	4.00	130
8608065	●	-	-	-	0.650	0.02559	4.00	38.00	3.00	130
8608066	●	-	-	-	0.660	0.02598	4.00	38.00	3.00	130
8608068	●	-	-	-	0.680	0.02677	4.50	38.00	3.00	130
8608069	●	-	-	-	0.690	0.02717	4.50	38.00	3.00	130
8599007	●	-	-	-	0.700	0.02756	4.50	38.00	3.00	130
8608071	●	-	-	-	0.710	0.02795	4.50	38.00	3.00	130
8608074	●	-	-	-	0.740	0.02913	4.50	38.00	4.00	130
8608075	●	-	-	-	0.750	0.02953	4.50	38.00	3.00	130
8599008	●	-	-	-	0.800	0.03150	5.00	38.00	3.00	130
8608082	●	-	-	-	0.820	0.03228	5.00	38.00	4.00	130
8608083	●	-	-	-	0.830	0.03268	5.00	38.00	5.00	130
8608085	●	-	-	-	0.850	0.03346	5.00	38.00	3.00	130
8608088	●	-	-	-	0.880	0.03465	5.50	38.00	3.00	130
8608089	●	-	-	-	0.890	0.03504	5.50	38.00	3.00	130
8599009	●	-	-	-	0.900	0.03543	5.50	38.00	3.00	130
8608094	●	-	-	-	0.940	0.03701	5.50	38.00	3.00	130
8608095	●	-	-	-	0.950	0.03740	5.50	38.00	3.00	130
8608099	●	-	-	-	0.990	0.03898	6.00	38.00	3.00	130
8599010	●	-	-	-	1.000	0.03937	6.00	38.00	3.00	130
8608102	●	-	-	-	1.020	0.04016	6.00	38.00	3.00	130
8608104	●	-	-	-	1.040	0.04094	6.00	38.00	3.00	130
8608105	●	-	-	-	1.050	0.04134	6.00	38.00	4.00	130
8608106	●	-	-	-	1.060	0.04173	6.00	38.00	5.00	130
8608107	●	-	-	-	1.070	0.04213	7.00	39.00	3.00	130
8608109	●	-	-	-	1.090	0.04291	7.00	39.00	3.00	130
8608113	●	-	-	-	1.130	0.04449	7.00	39.00	4.00	130
8608114	●	-	-	-	1.140	0.04488	7.00	39.00	5.00	130
8608118	●	-	-	-	1.180	0.04646	7.00	39.00	3.00	130
8608119	●	-	-	-	1.190	0.04685	8.00	40.00	3.00	130
8608122	●	-	-	-	1.220	0.04803	8.00	40.00	3.00	130
8608124	●	-	-	-	1.240	0.04882	8.00	40.00	3.00	130
8608125	●	-	-	-	1.250	0.04921	8.00	40.00	3.00	130
8608126	●	-	-	-	1.260	0.04961	8.00	40.00	3.00	130
8608127	●	-	-	-	1.270	0.05000	8.00	40.00	3.00	130
8608128	●	-	-	-	1.280	0.05039	8.00	40.00	3.00	130
8608129	●	-	-	-	1.290	0.05079	8.00	40.00	3.00	130

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



CONTINUED

P Steel					M			K	N		S		H			
Carbon Steel			Alloy Steel	Die Steel	Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Low	Medium	High			300	400	17-4 PH		Aluminum	Nickel Alloy	Titanium	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC	
1010 1018	1035 1045	1065	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

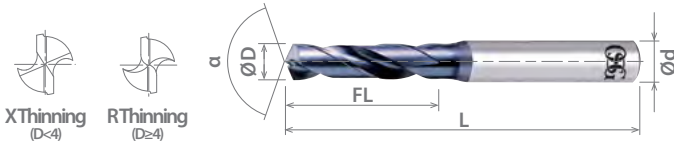




List 1900 (Continued)

V-SERIES-VPH-GDS

SPEED FEED 342-343	XPM	V	2 FLUTE	STUB	30°	PACKED 1 PIECE
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Size (mm)	mm	inch
0.5 ≤ 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 ≤ 18	+0 / -0.027	+0 / -0.0011
18 < D ≤ 20	+0 / -0.033	+0 / -0.0013

EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α
8599013	●	-	-	-	1.300	0.05118	8.00	40.00	3.00	130
8608131	●	-	-	-	1.310	0.05157	8.00	40.00	3.00	130
8608132	●	-	-	-	1.320	0.05197	8.00	40.00	3.00	130
8599014	●	-	-	-	1.400	0.05512	9.00	41.00	3.00	130
8608146	●	-	-	-	1.460	0.05748	9.00	41.00	3.00	130
8608147	●	-	-	-	1.470	0.05787	9.00	41.00	3.00	130
8608148	●	-	-	-	1.480	0.05827	9.00	41.00	3.00	130
8599015	●	-	-	-	1.500	0.05906	9.00	41.00	3.00	130
8608151	●	-	-	-	1.510	0.05945	10.00	42.00	3.00	130
8608153	●	-	-	-	1.530	0.06024	10.00	42.00	3.00	130
8608155	●	-	-	-	1.550	0.06102	10.00	42.00	3.00	130
8608159	●	-	-	-	1.590	0.06260	10.00	42.00	3.00	130
8608161	●	-	-	-	1.610	0.06339	10.00	42.00	3.00	130
8608162	●	-	-	-	1.620	0.06378	10.00	42.00	4.00	130
8608163	●	-	-	-	1.630	0.06417	10.00	42.00	5.00	130
8608164	●	-	-	-	1.640	0.06457	10.00	42.00	3.00	130
8608166	●	-	-	-	1.660	0.06535	10.00	42.00	3.00	130
8608169	●	-	-	-	1.690	0.06654	10.00	42.00	4.00	130
8599017	●	-	-	-	1.700	0.06693	10.00	42.00	3.00	130
8608176	●	-	-	-	1.760	0.06929	11.00	43.00	3.00	130
8608177	●	-	-	-	1.770	0.06969	11.00	43.00	3.00	130
8608178	●	-	-	-	1.780	0.07008	11.00	43.00	3.00	130
8599018	●	-	-	-	1.800	0.07087	11.00	43.00	3.00	130
8608182	●	-	-	-	1.820	0.07165	11.00	43.00	3.00	130
8608185	●	-	-	-	1.850	0.07283	11.00	43.00	3.00	130
8608193	●	-	-	-	1.930	0.07598	12.00	44.00	3.00	130
8608198	●	-	-	-	1.980	0.07795	12.00	44.00	3.00	130
8608199	●	-	-	-	1.990	0.07835	12.00	44.00	3.00	130
9599020	●	-	-	-	2.000	0.07874	12.00	44.00	3.00	130
8608203	●	-	-	-	2.030	0.07992	12.00	44.00	3.00	130
8608204	●	-	-	-	2.040	0.08031	12.00	44.00	4.00	130
8608206	●	-	-	-	2.060	0.08110	12.00	44.00	3.00	130
8608208	●	-	-	-	2.080	0.08189	12.00	44.00	3.00	130
9599021	●	-	-	-	2.100	0.08268	12.00	44.00	3.00	130
8608213	●	-	-	-	2.130	0.08386	13.00	45.00	3.00	130
8608215	●	-	-	-	2.150	0.08465	13.00	45.00	3.00	130
8608216	●	-	-	-	2.160	0.08504	13.00	45.00	3.00	130
8608218	●	-	-	-	2.180	0.08583	13.00	45.00	3.00	130
9599022	●	-	-	-	2.200	0.08661	13.00	45.00	3.00	130
8608222	●	-	-	-	2.220	0.08740	13.00	45.00	3.00	130
8608226	●	-	-	-	2.260	0.08898	13.00	45.00	3.00	130
9599023	●	-	-	-	2.300	0.09055	13.00	45.00	3.00	130
8608231	●	-	-	-	2.310	0.09094	13.00	45.00	4.00	130
8608233	●	-	-	-	2.330	0.09173	13.00	45.00	3.00	130
8608237	●	-	-	-	2.370	0.09331	14.00	46.00	3.00	130
8608238	●	-	-	-	2.380	0.09370	14.00	46.00	3.00	130
9599024	●	-	-	-	2.400	0.09449	14.00	46.00	3.00	130
8608244	●	-	-	-	2.440	0.09606	14.00	46.00	3.00	130
8608246	●	-	-	-	2.460	0.09685	14.00	46.00	4.00	130
8608249	●	-	-	-	2.490	0.09803	14.00	46.00	3.00	130
9599025	●	-	-	-	2.500	0.09843	14.00	46.00	3.00	130
8608253	●	-	-	-	2.530	0.09961	14.00	46.00	3.00	130

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



List 1900 (Continued)

V-SERIES-VPH-GDS

SPEED FEED 342-343	XPM	V	2 FLUTE	STUB	30°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α
8608258	●	-	-	-	2.580	0.10157	14.00	46.00	3.00	130
9599026	●	-	-	-	2.600	0.10236	14.00	46.00	3.00	130
8608264	●	-	-	-	2.640	0.10394	14.00	46.00	3.00	130
9599027	●	-	-	-	2.700	0.10630	16.00	46.00	3.00	130
8608271	●	-	-	-	2.710	0.10669	16.00	46.00	3.00	130
8608278	●	-	-	-	2.780	0.10945	16.00	46.00	3.00	130
8608279	●	-	-	-	2.790	0.10984	16.00	46.00	3.00	130
9599028	●	-	-	-	2.800	0.11024	16.00	48.00	3.00	130
8608281	●	-	-	-	2.810	0.11063	16.00	48.00	3.00	130
8608282	●	-	-	-	2.820	0.11102	16.00	48.00	3.00	130
8608287	●	-	-	-	2.870	0.11299	16.00	48.00	3.00	130
9599029	●	-	-	-	2.900	0.11417	16.00	48.00	3.00	130
8608295	●	-	-	-	2.950	0.11614	16.00	48.00	3.00	130
9599030	●	-	-	-	3.000	0.11811	16.00	48.00	3.00	130
8608305	●	-	-	-	3.050	0.12008	18.00	50.00	4.00	130
9599031	●	-	-	-	3.100	0.12205	18.00	50.00	4.00	130
8608318	●	1/8	-	-	3.180	0.12500	18.00	50.00	4.00	130
8608319	●	-	-	-	3.190	0.12559	18.00	50.00	4.00	130
9599032	●	-	-	-	3.200	0.12598	18.00	50.00	4.00	130
8608326	●	-	-	-	3.260	0.12835	18.00	50.00	4.00	130
9599033	●	-	-	-	3.300	0.12992	18.00	50.00	4.00	130
8608336	●	-	-	-	3.360	0.13228	20.00	52.00	4.00	130
9599034	●	-	-	-	3.400	0.13386	20.00	52.00	4.00	130
8608345	●	-	-	-	3.450	0.13583	20.00	52.00	4.00	130
9599035	●	-	-	-	3.500	0.13780	20.00	52.00	4.00	130
8608352	●	-	-	-	3.520	0.13858	20.00	52.00	4.00	130
8608357	●	-	-	-	3.570	0.14055	20.00	52.00	4.00	130
9599036	●	-	-	-	3.600	0.14173	20.00	52.00	4.00	130
8608366	●	-	-	-	3.660	0.14409	20.00	52.00	4.00	130
9599037	●	-	-	-	3.700	0.14567	20.00	52.00	4.00	130
8608373	●	-	-	-	3.730	0.14685	20.00	52.00	4.00	130
8608377	●	-	-	-	3.770	0.14843	22.00	54.00	4.00	130
9599038	●	-	-	-	3.800	0.14961	22.00	54.00	4.00	130
8608386	●	-	-	-	3.860	0.15197	22.00	54.00	4.00	130
9599039	●	-	-	-	3.900	0.15354	22.00	54.00	4.00	130
8608391	●	-	-	-	3.910	0.15394	22.00	54.00	4.00	130
8608397	●	-	-	-	3.970	0.15630	22.00	54.00	4.00	130
8608399	●	-	-	-	3.990	0.15709	22.00	54.00	4.00	130
9599040	●	-	-	-	4.000	0.15748	22.00	54.00	4.00	130
8608404	●	-	-	-	4.040	0.15906	22.00	66.00	6.00	130
8608409	●	-	-	-	4.090	0.16102	22.00	66.00	6.00	130
9599041	●	-	-	-	4.100	0.16142	22.00	66.00	6.00	130
8608415	●	-	-	-	4.150	0.16339	22.00	66.00	6.00	130
9599042	●	-	-	-	4.200	0.16535	22.00	66.00	6.00	130
8608422	●	-	-	-	4.220	0.16614	22.00	66.00	6.00	130
8608427	●	-	-	-	4.270	0.16811	24.00	68.00	6.00	130
9599043	●	-	-	-	4.300	0.16929	24.00	68.00	6.00	130
8608431	●	-	-	-	4.310	0.16969	24.00	68.00	6.00	130
8608437	●	11/64	-	-	4.370	0.17188	24.00	68.00	6.00	130

● 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	7075			Casting	Inconel	6Al4V	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
1010	1035	1045	1065	4140				4340	300	400	17-4 PH	6061	7075	Casting	Inconel	6Al4V	(30 HRC)	~35 HRC	35-45 HRC
○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○

○ Good ○ Best

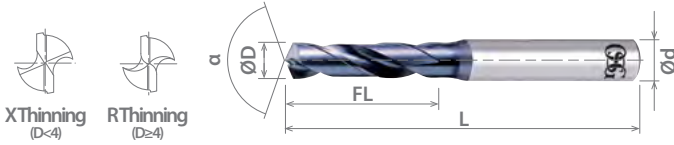




List 1900 (Continued)

V-SERIES-VPH-GDS

SPEED FEED 342-343	XPM	V	2 FLUTE	STUB	30°	PACKED 1 PIECE
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Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
0.5 ≤ 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 ≤ 18	+0 / -0.027	+0 / -0.0011
18 < D ≤ 20	+0 / -0.033	+0 / -0.0013

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α
8608439	●	-	-	-	4.390	0.17283	24.00	68.00	6.00	130
9599044	●	-	-	-	4.400	0.17323	24.00	68.00	6.00	130
8608445	●	-	-	-	4.450	0.17520	24.00	68.00	6.00	130
9599045	●	-	-	-	4.500	0.17717	24.00	68.00	6.00	130
8608457	●	-	-	-	4.570	0.17992	24.00	68.00	6.00	130
9599046	●	-	-	-	4.600	0.18110	24.00	68.00	6.00	130
8608462	●	-	-	-	4.620	0.18189	24.00	68.00	6.00	130
8608466	●	-	-	-	4.660	0.18346	24.00	68.00	6.00	130
9599047	●	-	-	-	4.700	0.18504	24.00	68.00	6.00	130
8608476	●	-	-	-	4.760	0.18740	26.00	70.00	6.00	130
8608479	●	-	-	-	4.790	0.18858	26.00	70.00	6.00	130
9599048	●	-	-	-	4.800	0.18898	26.00	70.00	6.00	130
8608485	●	-	-	-	4.850	0.19094	26.00	70.00	6.00	130
9599049	●	-	-	-	4.900	0.19291	26.00	70.00	6.00	130
8608491	●	-	-	-	4.910	0.19331	26.00	70.00	6.00	130
8608498	●	-	-	-	4.980	0.19606	26.00	70.00	6.00	130
9599050	●	-	-	-	5.000	0.19685	26.00	70.00	6.00	130
8608505	●	-	-	-	5.050	0.19882	26.00	70.00	6.00	130
9599051	●	-	-	-	5.100	0.20079	26.00	70.00	6.00	130
8608511	●	-	-	-	5.110	0.20118	26.00	70.00	6.00	130
8608515	●	-	-	-	5.150	0.20276	26.00	70.00	6.00	130
8608516	●	-	-	-	5.160	0.20315	26.00	70.00	6.00	130
8608518	●	-	-	-	5.180	0.20394	26.00	70.00	6.00	130
9599052	●	-	-	-	5.200	0.20472	26.00	70.00	6.00	130
8608522	●	-	-	-	5.220	0.20551	26.00	70.00	6.00	130
8608526	●	-	-	-	5.260	0.20709	26.00	70.00	6.00	130
9599053	●	-	-	-	5.300	0.20866	26.00	70.00	6.00	130
8608531	●	-	-	-	5.310	0.20906	28.00	70.00	6.00	130
9599054	●	-	-	-	5.400	0.21260	28.00	70.00	6.00	130
8608541	●	-	-	-	5.410	0.21299	28.00	72.00	6.00	130
8608546	●	-	-	-	5.460	0.21496	28.00	72.00	6.00	130
9599055	●	-	-	-	5.500	0.21654	28.00	72.00	6.00	130
8608556	●	-	-	-	5.560	0.21890	28.00	72.00	6.00	130
9599056	●	-	-	-	5.600	0.22047	28.00	72.00	6.00	130
8608561	●	-	-	-	5.610	0.22087	28.00	72.00	6.00	130
9599057	●	-	-	-	5.700	0.22441	28.00	72.00	6.00	130
8608579	●	-	-	-	5.790	0.22795	28.00	70.00	6.00	130
9599058	●	-	-	-	5.800	0.22835	28.00	72.00	6.00	130
9599059	●	-	-	-	5.900	0.23228	28.00	72.00	6.00	130
8608595	●	15/64	-	-	5.953	0.23438	28.00	72.00	6.00	130
9599060	●	-	-	-	6.000	0.23622	28.00	72.00	6.00	130
9599061	●	-	-	-	6.100	0.24016	31.00	75.00	8.00	130
9598615	●	-	-	-	6.150	0.24213	31.00	75.00	8.00	130
9599062	●	-	-	-	6.200	0.24409	31.00	75.00	8.00	130
9599063	●	-	-	-	6.300	0.24803	31.00	75.00	8.00	130
8608635	●	1/4	-	E	6.350	0.25000	31.00	75.00	8.00	130
9599064	●	-	-	-	6.400	0.25197	31.00	75.00	8.00	130
9599065	●	-	-	-	6.500	0.25591	31.00	75.00	8.00	130
9599066	●	-	-	-	6.600	0.25984	31.00	75.00	8.00	130
9598665	●	-	-	-	6.650	0.26181	31.00	75.00	8.00	130
9599067	●	-	-	-	6.700	0.26378	31.00	75.00	8.00	130
8608675	●	17/64	-	-	6.747	0.26563	34.00	78.00	8.00	130

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



List 1900 (Continued)

V-SERIES-VPH-GDS

SPEED FEED 342-343	XPM	V	2 FLUTE	STUB	30°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α
9599068	●	-	-	-	6.800	0.26772	34.00	78.00	8.00	130
9598686	●	-	-	-	6.860	0.27008	34.00	78.00	8.00	130
9599069	●	-	-	-	6.900	0.27165	34.00	78.00	8.00	130
9599070	●	-	-	-	7.000	0.27559	34.00	78.00	8.00	130
9598704	●	-	-	-	7.040	0.27717	34.00	78.00	8.00	130
9599071	●	-	-	-	7.100	0.27953	34.00	78.00	8.00	130
8608714	●	9/32	-	-	7.144	0.28125	34.00	78.00	8.00	130
9599072	●	-	-	-	7.200	0.28346	34.00	78.00	8.00	130
9599073	●	-	-	-	7.300	0.28740	34.00	78.00	8.00	130
9599074	●	-	-	-	7.400	0.29134	34.00	78.00	8.00	130
9599075	●	-	-	-	7.500	0.29528	34.00	78.00	8.00	130
8608754	●	19/64	-	-	7.541	0.29688	34.00	78.00	8.00	130
9599076	●	-	-	-	7.600	0.29921	37.00	81.00	8.00	130
9599077	●	-	-	-	7.700	0.30315	37.00	81.00	8.00	130
9599078	●	-	-	-	7.800	0.30709	37.00	81.00	8.00	130
9599079	●	-	-	-	7.900	0.31102	37.00	81.00	8.00	130
8608794	●	5/16	-	-	7.938	0.31250	37.00	81.00	8.00	130
9599080	●	-	-	-	8.000	0.31496	37.00	81.00	8.00	130
9599081	●	-	-	-	8.100	0.31890	37.00	87.00	10.00	130
9598815	●	-	-	-	8.150	0.32087	37.00	87.00	10.00	130
9599082	●	-	-	-	8.200	0.32283	37.00	87.00	10.00	130
9599083	●	-	-	-	8.300	0.32677	37.00	87.00	10.00	130
8608833	●	21/64	-	-	8.334	0.32813	37.00	87.00	10.00	130
9599084	●	-	-	-	8.400	0.33071	37.00	87.00	10.00	130
9599085	●	-	-	-	8.500	0.33465	37.00	87.00	10.00	130
9598856	●	-	-	-	8.560	0.33701	40.00	90.00	10.00	130
9599086	●	-	-	-	8.600	0.33858	40.00	90.00	10.00	130
9598868	●	-	-	-	8.680	0.34173	40.00	90.00	10.00	130
9599087	●	-	-	-	8.700	0.34252	40.00	90.00	10.00	130
8608873	●	11/32	-	-	8.731	0.34375	40.00	90.00	10.00	130
9599088	●	-	-	-	8.800	0.34646	40.00	90.00	10.00	130
9598886	●	-	-	-	8.860	0.34882	40.00	90.00	10.00	130
9599089	●	-	-	-	8.900	0.35039	40.00	90.00	10.00	130
9599090	●	-	-	-	9.000	0.35433	40.00	90.00	10.00	130
9599091	●	-	-	-	9.100	0.35827	40.00	90.00	10.00	130
8608913	●	23/64	-	-	9.128	0.35938	40.00	90.00	10.00	130
9599092	●	-	-	-	9.200	0.36220	40.00	90.00	10.00	130
9599093	●	-	-	-	9.300	0.36614	40.00	90.00	10.00	130
9599094	●	-	-	-	9.400	0.37008	40.00	90.00	10.00	130
9599095	●	-	-	-	9.500	0.37402	40.00	90.00	10.00	130
8608952	●	3/8	-	-	9.525	0.37500	40.00	90.00	10.00	130
9598955	●	-	-	-	9.550	0.37598	43.00	93.00	10.00	130
9599096	●	-	-	-	9.600	0.37795	43.00	93.00	10.00	130
9599097	●	-	-	-	9.700	0.38189	43.00	93.00	10.00	130
9599098	●	-	-	-	9.800	0.38583	43.00	93.00	10.00	130
9599099	●	-	-	-	9.900	0.38976	43.00	93.00	10.00	130
8608992	●	25/64	-	-	9.922	0.39063	43.00	93.00	10.00	130
9599100	●	-	-	-	10.000	0.39370	43.00	93.00	10.00	130
9599101	●	-	-	-	10.100	0.39764	43.00	100.00	12.00	130

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

EXD

CONTINUED

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

○ Good ⊗ Best





List 1900 (Continued)

V-SERIES-VPH-GDS

SPEED FEED
342-343

XPM

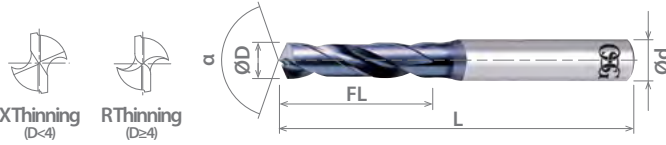
V

2 FLUTE

STUB

30°

PACKED
1 PIECE



Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
0.5 ≤ 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 ≤ 18	+0 / -0.027	+0 / -0.0011
18 < D ≤ 20	+0 / -0.033	+0 / -0.0013

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α
9599102	●	-	-	-	10.200	0.40157	43.00	100.00	12.00	130
9599103	●	-	-	-	10.300	0.40551	43.00	100.00	12.00	130
8609032	●	13/32	-	-	10.319	0.40625	43.00	100.00	12.00	130
9599104	●	-	-	-	10.400	0.40945	43.00	100.00	12.00	130
9599144	●	-	-	-	10.440	0.41102	43.00	100.00	12.00	130
9599105	●	-	-	-	10.500	0.41339	43.00	100.00	12.00	130
9599106	●	-	-	-	10.600	0.41732	43.00	100.00	12.00	130
9599107	●	-	-	-	10.700	0.42126	47.00	104.00	12.00	130
8609072	●	27/64	-	-	10.716	0.42188	47.00	104.00	12.00	130
9599108	●	-	-	-	10.800	0.42520	47.00	104.00	12.00	130
9599186	●	-	-	-	10.860	0.42756	47.00	104.00	12.00	130
9599109	●	-	-	-	10.900	0.42913	47.00	104.00	12.00	130
9599110	●	-	-	-	11.000	0.43307	47.00	104.00	12.00	130
9599111	●	-	-	-	11.100	0.43701	47.00	104.00	12.00	130
8609111	●	7/16	-	-	11.113	0.43750	47.00	104.00	12.00	130
9599112	●	-	-	-	11.200	0.44094	47.00	104.00	12.00	130
9599113	●	-	-	-	11.300	0.44488	47.00	104.00	12.00	130
9599114	●	-	-	-	11.400	0.44882	47.00	104.00	12.00	130
9599115	●	-	-	-	11.500	0.45276	47.00	104.00	12.00	130
8609151	●	29/64	-	-	11.509	0.45313	47.00	104.00	12.00	130
9599116	●	-	-	-	11.600	0.45669	47.00	104.00	12.00	130
9599117	●	-	-	-	11.700	0.46063	47.00	104.00	12.00	130
9599118	●	-	-	-	11.800	0.46457	47.00	104.00	12.00	130
9599119	●	-	-	-	11.900	0.46850	47.00	104.00	12.00	130
8609191	●	15/32	-	-	11.906	0.46875	47.00	104.00	12.00	130
9599120	●	-	-	-	12.000	0.47244	51.00	108.00	12.00	130
9599121	●	-	-	-	12.100	0.47638	51.00	108.00	12.00	130
9599122	●	-	-	-	12.200	0.48031	51.00	108.00	12.00	130
9599123	●	-	-	-	12.300	0.48425	51.00	108.00	12.00	130
9599124	●	-	-	-	12.400	0.48819	51.00	108.00	12.00	130
9599245	●	-	-	-	12.450	0.49016	51.00	108.00	12.00	130
9599125	●	-	-	-	12.500	0.49213	51.00	108.00	12.00	130
9599126	●	-	-	-	12.600	0.49606	51.00	108.00	12.00	130
9599268	●	-	-	-	12.680	0.49921	51.00	108.00	12.00	130
9599127	●	1/2	-	-	12.700	0.50000	51.00	108.00	12.00	130
9599128	●	-	-	-	12.800	0.50394	51.00	108.00	12.00	130
9599129	●	-	-	-	12.900	0.50787	51.00	108.00	12.00	130
9599130	●	-	-	-	13.000	0.51181	51.00	108.00	12.00	130
9599308	●	-	-	-	13.080	0.51496	51.00	111.00	16.00	120
8609349	●	17/32	-	-	13.494	0.53125	54.00	114.00	16.00	120
8599135	●	-	-	-	13.500	0.53150	54.00	114.00	16.00	120
8599136	●	-	-	-	13.600	0.53543	54.00	114.00	16.00	120
8608954	●	-	-	-	13.790	0.54291	54.00	114.00	16.00	120
9599387	●	-	-	-	13.870	0.54606	54.00	114.00	16.00	120
8599140	●	-	-	-	14.000	0.55118	54.00	114.00	16.00	120
8599142	●	-	-	-	14.200	0.55906	56.00	116.00	16.00	120
8609429	●	9/16	-	-	14.288	0.56250	56.00	116.00	16.00	120
8599145	●	-	-	-	14.500	0.57087	56.00	116.00	16.00	120
8599146	●	-	-	-	14.600	0.57480	56.00	116.00	16.00	120
8608956	●	-	-	-	14.610	0.57520	56.00	116.00	16.00	120
9599468	●	-	-	-	14.680	0.57795	56.00	116.00	16.00	120
8599150	●	-	-	-	15.000	0.59055	56.00	116.00	16.00	120

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



List 1900 (Continued)

V-SERIES-VPH-GDS

SPEED FEED 342-343	XPM	V	2 FLUTE	STUB	30°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α
8599155	●	-	-	-	15.500	0.61024	58.00	118.00	16.00	120
8599157	●	-	-	-	15.700	0.61811	58.00	118.00	16.00	120
8609588	●	5/8	-	-	15.875	0.62500	58.00	118.00	16.00	120
8599160	●	-	-	-	16.000	0.62992	58.00	118.00	16.00	120
8599165	●	-	-	-	16.500	0.64961	60.00	126.00	20.00	120
8609667	●	21/32	-	-	16.669	0.65625	60.00	126.00	20.00	120
8608958	●	-	-	-	16.760	0.65984	60.00	126.00	20.00	120
9599684	●	-	-	-	16.840	0.66299	60.00	126.00	20.00	120
8599170	●	-	-	-	17.000	0.66929	60.00	126.00	20.00	120
8599175	●	-	-	-	17.500	0.68898	62.00	128.00	20.00	120
8608960	●	-	-	-	17.630	0.69409	62.00	128.00	20.00	120
8608962	●	-	-	-	17.680	0.69606	62.00	128.00	20.00	120
8599177	●	-	-	-	17.700	0.69685	62.00	128.00	20.00	120
8599180	●	-	-	-	18.000	0.70866	62.00	128.00	20.00	120
8599185	●	-	-	-	18.500	0.72835	64.00	130.00	20.00	120
8608964	●	-	-	-	18.640	0.73386	64.00	130.00	20.00	120
8599190	●	-	-	-	19.000	0.74803	64.00	130.00	20.00	120
8609905	●	3/4	-	-	19.050	0.75000	66.00	132.00	20.00	120
8599195	●	-	-	-	19.500	0.76772	66.00	132.00	20.00	120
8608966	●	-	-	-	19.660	0.77402	66.00	132.00	20.00	120
8608968	●	-	-	-	19.740	0.77717	66.00	132.00	20.00	120
9599976	●	-	-	-	19.760	0.77795	66.00	132.00	20.00	120
8599200	●	-	-	-	20.000	0.78740	66.00	132.00	20.00	120

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



P Steel					M			K	N		S		H					
Carbon Steel			Alloy Steel	Die Steel	Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel					
Low	Medium	High			300	400	17-4 PH		6061 7075	Casting	Nickel Alloy	Titanium	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC		
1010	1035	1045	1065	4140 4340														
○	◎	◎	◎	◎		○	○	◎	○	○	◎	○	◎	◎	○			

○ Good ◎ Best

