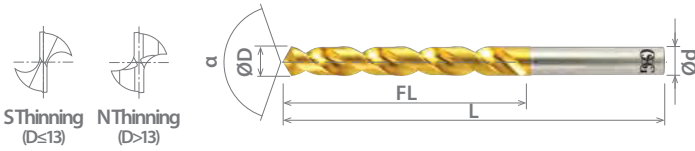




List 1600

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
2 ≤ 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 ≤ 30	+0 / -0.033	+0 / -0.0013
30 < D ≤ 32	+0 / -0.039	+0 / -0.0015

EDP Number		Diameter (D)					Flute Length FL (mm)	Overall Length L (mm)	Shank Diameter d (mm)	Point Angle α	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch					
6252011	●	-	-	-	2.000	0.07874	24.00	56.00	3.00	130	TiAlN
62520	●	-	-	-	2.000	0.07874	24.00	56.00	3.00	130	TiN
8597201	●	-	-	-	2.010	0.07913	24.00	56.00	3.00	130	TiN
8597202	●	-	-	-	2.020	0.07953	24.00	56.00	3.00	130	TiN
8597203	●	-	-	-	2.030	0.07992	24.00	56.00	3.00	130	TiN
859720411	●	-	-	-	2.040	0.08031	24.00	56.00	3.00	130	TiAlN
8597204	●	-	-	-	2.040	0.08031	24.00	56.00	3.00	130	TiN
8597205	●	-	-	-	2.050	0.08071	24.00	56.00	3.00	130	TiN
8597206	●	-	-	-	2.060	0.08110	24.00	56.00	3.00	130	TiN
8597207	●	-	-	-	2.070	0.08150	24.00	56.00	3.00	130	TiN
859720811	●	-	-	-	2.080	0.08189	24.00	56.00	3.00	130	TiAlN
8597208	●	-	-	-	2.080	0.08189	24.00	56.00	3.00	130	TiN
8597209	●	-	-	-	2.090	0.08228	24.00	56.00	3.00	130	TiN
62521	●	-	-	-	2.100	0.08268	24.00	56.00	3.00	130	TiN
8597211	●	-	-	-	2.110	0.08307	24.00	56.00	3.00	130	TiN
8597212	●	-	-	-	2.120	0.08346	24.00	56.00	3.00	130	TiN
8597213	●	-	-	-	2.130	0.08386	27.00	59.00	3.00	130	TiN
8597214	●	-	-	-	2.140	0.08425	27.00	59.00	3.00	130	TiN
8597215	●	-	-	-	2.150	0.08465	27.00	59.00	3.00	130	TiN
8597216	●	-	-	-	2.160	0.08504	27.00	59.00	3.00	130	TiN
8597217	●	-	-	-	2.170	0.08543	27.00	59.00	3.00	130	TiN
859721811	●	-	-	-	2.180	0.08583	27.00	59.00	3.00	130	TiAlN
8597218	●	-	-	-	2.180	0.08583	27.00	59.00	3.00	130	TiN
8597219	●	-	-	-	2.190	0.08622	27.00	59.00	3.00	130	TiN
6252211	●	-	-	-	2.200	0.08661	27.00	59.00	3.00	130	TiAlN
62522	●	-	-	-	2.200	0.08661	27.00	59.00	3.00	130	TiN
8597221	●	-	-	-	2.210	0.08701	27.00	59.00	3.00	130	TiN
8597222	●	-	-	-	2.220	0.08740	27.00	59.00	3.00	130	TiN
8597223	●	-	-	-	2.230	0.08780	27.00	59.00	3.00	130	TiN
8597224	●	-	-	-	2.240	0.08819	27.00	59.00	3.00	130	TiN
8597225	●	-	-	-	2.250	0.08858	27.00	59.00	3.00	130	TiN
859722611	●	-	-	-	2.260	0.08898	27.00	59.00	3.00	130	TiAlN
8597226	●	-	-	-	2.260	0.08898	27.00	59.00	3.00	130	TiN
8597227	●	-	-	-	2.270	0.08937	27.00	59.00	3.00	130	TiN
859722811	●	-	-	-	2.280	0.08976	27.00	59.00	3.00	130	TiAlN
8597228	●	-	-	-	2.280	0.08976	27.00	59.00	3.00	130	TiN
8597229	●	-	-	-	2.290	0.09016	27.00	59.00	3.00	130	TiN
62523	●	-	-	-	2.300	0.09055	27.00	59.00	3.00	130	TiN
8597231	●	-	-	-	2.310	0.09094	27.00	59.00	3.00	130	TiN
8597232	●	-	-	-	2.320	0.09134	27.00	59.00	3.00	130	TiN
8597233	●	-	-	-	2.330	0.09173	27.00	59.00	3.00	130	TiN
8597234	●	-	-	-	2.340	0.09213	27.00	59.00	3.00	130	TiN
8597235	●	-	-	-	2.350	0.09252	27.00	59.00	3.00	130	TiN
8597236	●	-	-	-	2.360	0.09291	27.00	59.00	3.00	130	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
Note: Other coatings are available upon request.



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	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
Low	Medium	High							6061	Casting						
1010	1035		4140		○	○	○		○	○						
1018	1045	1065	4340		○	○	○		○	○						

○ Good ○ Best

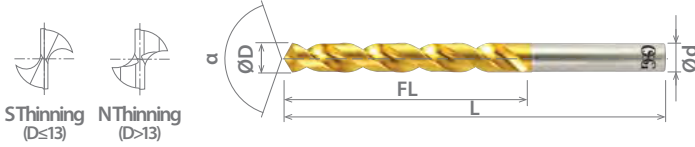




List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TIN	TiAIN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
2 ≤ 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 ≤ 30	+0 / -0.033	+0 / -0.0013
30 < D ≤ 32	+0 / -0.039	+0 / -0.0015

EDP Number		Diameter (D)					Flute Length FL (mm)	Overall Length L (mm)	Shank Diameter d (mm)	Point Angle α	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch					
8597237	●	-	-	-	2.370	0.09331	30.00	62.00	3.00	130	TiN
859723811	●	-	-	-	2.380	0.09370	30.00	62.00	3.00	130	TiAIN
8597238	●	-	-	-	2.380	0.09370	30.00	62.00	3.00	130	TiN
8597239	●	-	-	-	2.390	0.09409	30.00	62.00	3.00	130	TiN
6252411	●	-	-	-	2.400	0.09449	30.00	62.00	3.00	130	TiAIN
62524	●	-	-	-	2.400	0.09449	30.00	62.00	3.00	130	TiN
8597241	●	-	-	-	2.410	0.09488	30.00	62.00	3.00	130	TiN
8597242	●	-	-	-	2.420	0.09528	30.00	62.00	3.00	130	TiN
8597243	●	-	-	-	2.430	0.09567	30.00	62.00	3.00	130	TiN
8597244	●	-	-	-	2.440	0.09606	30.00	62.00	3.00	130	TiN
8597245	●	-	-	-	2.450	0.09646	30.00	62.00	3.00	130	TiN
8597246	●	-	-	-	2.460	0.09685	30.00	62.00	3.00	130	TiN
8597247	●	-	-	-	2.470	0.09724	30.00	62.00	3.00	130	TiN
8597248	●	-	-	-	2.480	0.09764	30.00	62.00	3.00	130	TiN
8597249	●	-	-	-	2.490	0.09803	30.00	62.00	3.00	130	TiN
6252511	●	-	-	-	2.500	0.09843	30.00	62.00	3.00	130	TiAIN
62525	●	-	-	-	2.500	0.09843	30.00	62.00	3.00	130	TiN
8597251	●	-	-	-	2.510	0.09882	30.00	62.00	3.00	130	TiN
8597252	●	-	-	-	2.520	0.09921	30.00	62.00	3.00	130	TiN
8597253	●	-	-	-	2.530	0.09961	30.00	62.00	3.00	130	TiN
8597254	●	-	-	-	2.540	0.10000	30.00	62.00	3.00	130	TiN
859725511	●	-	-	-	2.550	0.10039	30.00	62.00	3.00	130	TiAIN
8597255	●	-	-	-	2.550	0.10039	30.00	62.00	3.00	130	TiN
8597256	●	-	-	-	2.560	0.10079	30.00	62.00	3.00	130	TiN
8597257	●	-	-	-	2.570	0.10118	30.00	62.00	3.00	130	TiN
859725811	●	-	-	-	2.580	0.10157	30.00	62.00	3.00	130	TiAIN
8597258	●	-	-	-	2.580	0.10157	30.00	62.00	3.00	130	TiN
8597259	●	-	-	-	2.590	0.10197	30.00	62.00	3.00	130	TiN
62526	●	-	-	-	2.600	0.10236	30.00	62.00	3.00	130	TiN
8597261	●	-	-	-	2.610	0.10276	30.00	62.00	3.00	130	TiN
8597262	●	-	-	-	2.620	0.10315	30.00	62.00	3.00	130	TiN
8597263	●	-	-	-	2.630	0.10354	30.00	62.00	3.00	130	TiN
8597264	●	-	-	-	2.640	0.10394	30.00	62.00	3.00	130	TiN
8597265	●	-	-	-	2.650	0.10433	30.00	62.00	3.00	130	TiN
8597266	●	-	-	-	2.660	0.10472	33.00	65.00	3.00	130	TiN
8597267	●	-	-	-	2.670	0.10512	33.00	65.00	3.00	130	TiN
8597268	●	-	-	-	2.680	0.10551	33.00	65.00	3.00	130	TiN
8597269	●	-	-	-	2.690	0.10591	33.00	65.00	3.00	130	TiN
62527	●	-	-	-	2.700	0.10630	33.00	65.00	3.00	130	TiN
8597271	●	-	-	-	2.710	0.10669	33.00	65.00	3.00	130	TiN
8597272	●	-	-	-	2.720	0.10709	33.00	65.00	3.00	130	TiN
8597273	●	-	-	-	2.730	0.10748	33.00	65.00	3.00	130	TiN
8597274	●	-	-	-	2.740	0.10787	33.00	65.00	3.00	130	TiN
8597275	●	-	-	-	2.750	0.10827	33.00	65.00	3.00	130	TiN
8597276	●	-	-	-	2.760	0.10866	33.00	65.00	3.00	130	TiN
8597277	●	-	-	-	2.770	0.10906	33.00	65.00	3.00	130	TiN
859727811	●	-	-	-	2.780	0.10945	33.00	65.00	3.00	130	TiAIN
8597278	●	-	-	-	2.780	0.10945	33.00	65.00	3.00	130	TiN
859727911	●	-	-	-	2.790	0.10984	33.00	65.00	3.00	130	TiAIN
8597279	●	-	-	-	2.790	0.10984	33.00	65.00	3.00	130	TiN
62528	●	-	-	-	2.800	0.11024	33.00	65.00	3.00	130	TiN
859728111	●	-	-	-	2.810	0.11063	33.00	65.00	3.00	130	TiAIN
8597281	●	-	-	-	2.810	0.11063	33.00	65.00	3.00	130	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α	
8597282	●	-	-	-	2.820	0.11102	33.00	65.00	3.00	130	TiN
8597283	●	-	-	-	2.830	0.11142	33.00	65.00	3.00	130	TiN
8597284	●	-	-	-	2.840	0.11181	33.00	65.00	3.00	130	TiN
8597285	●	-	-	-	2.850	0.11220	33.00	65.00	3.00	130	TiN
859728611	●	-	-	-	2.860	0.11260	33.00	65.00	3.00	130	TiAlN
8597286	●	-	-	-	2.860	0.11260	33.00	65.00	3.00	130	TiN
8597287	●	-	-	-	2.870	0.11299	33.00	65.00	3.00	130	TiN
8597288	●	-	-	-	2.880	0.11339	33.00	65.00	3.00	130	TiN
8597289	●	-	-	-	2.890	0.11378	33.00	65.00	3.00	130	TiN
6252911	●	-	-	-	2.900	0.11417	33.00	65.00	3.00	130	TiAlN
62529	●	-	-	-	2.900	0.11417	33.00	65.00	3.00	130	TiN
8597291	●	-	-	-	2.910	0.11457	33.00	65.00	3.00	130	TiN
8597292	●	-	-	-	2.920	0.11496	33.00	65.00	3.00	130	TiN
8597293	●	-	-	-	2.930	0.11535	33.00	65.00	3.00	130	TiN
859729411	●	-	-	-	2.940	0.11575	33.00	65.00	3.00	130	TiAlN
8597294	●	-	-	-	2.940	0.11575	33.00	65.00	3.00	130	TiN
8597295	●	-	-	-	2.950	0.11614	33.00	65.00	3.00	130	TiN
8597296	●	-	-	-	2.960	0.11654	33.00	65.00	3.00	130	TiN
8597297	●	-	-	-	2.970	0.11693	33.00	65.00	3.00	130	TiN
8597298	●	-	-	-	2.980	0.11732	33.00	65.00	3.00	130	TiN
8597299	●	-	-	-	2.990	0.11772	33.00	65.00	3.00	130	TiN
6253011	●	-	-	-	3.000	0.11811	33.00	65.00	3.00	130	TiAlN
62530	●	-	-	-	3.000	0.11811	33.00	65.00	3.00	130	TiN
8597301	●	-	-	-	3.010	0.11850	36.00	68.00	4.00	130	TiN
8597302	●	-	-	-	3.020	0.11890	36.00	68.00	4.00	130	TiN
8597303	●	-	-	-	3.030	0.11929	36.00	68.00	4.00	130	TiN
859730411	●	-	-	-	3.040	0.11969	36.00	68.00	4.00	130	TiAlN
8597304	●	-	-	-	3.040	0.11969	36.00	68.00	4.00	130	TiN
859730511	●	-	-	-	3.050	0.12008	36.00	68.00	4.00	130	TiAlN
8597305	●	-	-	-	3.050	0.12008	36.00	68.00	4.00	130	TiN
8597306	●	-	-	-	3.060	0.12047	36.00	68.00	4.00	130	TiN
8597307	●	-	-	-	3.070	0.12087	36.00	68.00	4.00	130	TiN
8597308	●	-	-	-	3.080	0.12126	36.00	68.00	4.00	130	TiN
8597309	●	-	-	-	3.090	0.12165	36.00	68.00	4.00	130	TiN
6253111	●	-	-	-	3.100	0.12205	36.00	68.00	4.00	130	TiAlN
62531	●	-	-	-	3.100	0.12205	36.00	68.00	4.00	130	TiN
8597311	●	-	-	-	3.110	0.12244	36.00	68.00	4.00	130	TiN
8597312	●	-	-	-	3.120	0.12283	36.00	68.00	4.00	130	TiN
8597313	●	-	-	-	3.130	0.12323	36.00	68.00	4.00	130	TiN
8597314	●	-	-	-	3.140	0.12362	36.00	68.00	4.00	130	TiN
8597315	●	-	-	-	3.150	0.12402	36.00	68.00	4.00	130	TiN
8597316	●	-	-	-	3.160	0.12441	36.00	68.00	4.00	130	TiN
8597317	●	-	-	-	3.170	0.12480	36.00	68.00	4.00	130	TiN
859731811	●	-	-	-	3.180	0.12520	36.00	68.00	4.00	130	TiAlN
8597318	●	-	-	-	3.180	0.12520	36.00	68.00	4.00	130	TiN
8597319	●	-	-	-	3.190	0.12559	36.00	68.00	4.00	130	TiN
6253211	●	-	-	-	3.200	0.12598	36.00	68.00	4.00	130	TiAlN
62532	●	-	-	-	3.200	0.12598	36.00	68.00	4.00	130	TiN
8597321	●	-	-	-	3.210	0.12638	36.00	68.00	4.00	130	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



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	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
Low	Medium	High							6061	Casting						
1010	1035	1045	1065	4140				4340			6061	7075				
1018	1045	1065														

○ Good ○ Best

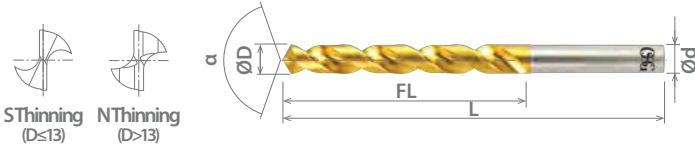




List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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Size (mm)	mm	inch
2 ≤ 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 ≤ 30	+0 / -0.033	+0 / -0.0013
30 < D ≤ 32	+0 / -0.039	+0 / -0.0015

EDP Number		Diameter (D)					Flute Length FL (mm)	Overall Length L (mm)	Shank Diameter d (mm)	Point Angle α	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch					
8597322	●	-	-	-	3.220	0.12677	36.00	68.00	4.00	130	TiN
8597323	●	-	-	-	3.230	0.12717	36.00	68.00	4.00	130	TiN
8597324	●	-	-	-	3.240	0.12756	36.00	68.00	4.00	130	TiN
8597325	●	-	-	-	3.250	0.12795	36.00	68.00	4.00	130	TiN
8597326	●	-	-	-	3.260	0.12835	36.00	68.00	4.00	130	TiN
8597327	●	-	-	-	3.270	0.12874	36.00	68.00	4.00	130	TiN
8597328	●	-	-	-	3.280	0.12913	36.00	68.00	4.00	130	TiN
8597329	●	-	-	-	3.290	0.12953	36.00	68.00	4.00	130	TiN
6253311	●	-	-	-	3.300	0.12992	36.00	68.00	4.00	130	TiAlN
62533	●	-	-	-	3.300	0.12992	36.00	68.00	4.00	130	TiN
8597331	●	-	-	-	3.310	0.13031	36.00	68.00	4.00	130	TiN
8597332	●	-	-	-	3.320	0.13071	36.00	68.00	4.00	130	TiN
8597333	●	-	-	-	3.330	0.13110	36.00	68.00	4.00	130	TiN
8597334	●	-	-	-	3.340	0.13150	36.00	68.00	4.00	130	TiN
8597335	●	-	-	-	3.350	0.13189	36.00	68.00	4.00	130	TiN
8597336	●	-	-	-	3.360	0.13228	39.00	71.00	4.00	130	TiN
8597337	●	-	-	-	3.370	0.13268	39.00	71.00	4.00	130	TiN
8597338	●	-	-	-	3.380	0.13307	39.00	71.00	4.00	130	TiN
8597339	●	-	-	-	3.390	0.13346	39.00	71.00	4.00	130	TiN
62534	●	-	-	-	3.400	0.13386	39.00	71.00	4.00	130	TiN
8597341	●	-	-	-	3.410	0.13425	39.00	71.00	4.00	130	TiN
8597342	●	-	-	-	3.420	0.13465	39.00	71.00	4.00	130	TiN
8597343	●	-	-	-	3.430	0.13504	39.00	71.00	4.00	130	TiN
8597344	●	-	-	-	3.440	0.13543	39.00	71.00	4.00	130	TiN
859734511	●	-	-	-	3.450	0.13583	39.00	71.00	4.00	130	TiAlN
8597345	●	-	-	-	3.450	0.13583	39.00	71.00	4.00	130	TiN
8597346	●	-	-	-	3.460	0.13622	39.00	71.00	4.00	130	TiN
8597347	●	-	-	-	3.470	0.13661	39.00	71.00	4.00	130	TiN
8597348	●	-	-	-	3.480	0.13701	39.00	71.00	4.00	130	TiN
8597349	●	-	-	-	3.490	0.13740	39.00	71.00	4.00	130	TiN
6253511	●	-	-	-	3.500	0.13780	39.00	71.00	4.00	130	TiAlN
62535	●	-	-	-	3.500	0.13780	39.00	71.00	4.00	130	TiN
8597351	●	-	-	-	3.510	0.13819	39.00	71.00	4.00	130	TiN
8597352	●	-	-	-	3.520	0.13858	39.00	71.00	4.00	130	TiN
8597353	●	-	-	-	3.530	0.13898	39.00	71.00	4.00	130	TiN
8597354	●	-	-	-	3.540	0.13937	39.00	71.00	4.00	130	TiN
8597355	●	-	-	-	3.550	0.13976	39.00	71.00	4.00	130	TiN
8597356	●	-	-	-	3.560	0.14016	39.00	71.00	4.00	130	TiN
859735711	●	-	-	-	3.570	0.14055	39.00	71.00	4.00	130	TiAlN
8597357	●	-	-	-	3.570	0.14055	39.00	71.00	4.00	130	TiN
859735811	●	-	-	-	3.580	0.14094	39.00	71.00	4.00	130	TiAlN
8597358	●	-	-	-	3.580	0.14094	39.00	71.00	4.00	130	TiN
8597359	●	-	-	-	3.590	0.14134	39.00	71.00	4.00	130	TiN
62536	●	-	-	-	3.600	0.14173	39.00	71.00	4.00	130	TiN
8597361	●	-	-	-	3.610	0.14213	39.00	71.00	4.00	130	TiN
8597362	●	-	-	-	3.620	0.14252	39.00	71.00	4.00	130	TiN
8597363	●	-	-	-	3.630	0.14291	39.00	71.00	4.00	130	TiN
8597364	●	-	-	-	3.640	0.14331	39.00	71.00	4.00	130	TiN
8597365	●	-	-	-	3.650	0.14370	39.00	71.00	4.00	130	TiN
8597366	●	-	-	-	3.660	0.14409	39.00	71.00	4.00	130	TiN
8597367	●	-	-	-	3.670	0.14449	39.00	71.00	4.00	130	TiN
8597368	●	-	-	-	3.680	0.14488	39.00	71.00	4.00	130	TiN
8597369	●	-	-	-	3.690	0.14528	39.00	71.00	4.00	130	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.





List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α	
6253711	●	-	-	-	3.700	0.14567	39.00	71.00	4.00	130	TiAlN
62537	●	-	-	-	3.700	0.14567	39.00	71.00	4.00	130	TiN
8597371	●	-	-	-	3.710	0.14606	39.00	71.00	4.00	130	TiN
8597372	●	-	-	-	3.720	0.14646	39.00	71.00	4.00	130	TiN
8597373	●	-	-	-	3.730	0.14685	39.00	71.00	4.00	130	TiN
8597374	●	-	-	-	3.740	0.14724	39.00	71.00	4.00	130	TiN
8597375	●	-	-	-	3.750	0.14764	39.00	71.00	4.00	130	TiN
8597376	●	-	-	-	3.760	0.14803	43.00	75.00	4.00	130	TiN
8597377	●	-	-	-	3.770	0.14843	43.00	75.00	4.00	130	TiN
8597378	●	-	-	-	3.780	0.14882	43.00	75.00	4.00	130	TiN
8597379	●	-	-	-	3.790	0.14921	43.00	75.00	4.00	130	TiN
6253811	●	-	-	-	3.800	0.14961	43.00	75.00	4.00	130	TiAlN
62538	●	-	-	-	3.800	0.14961	43.00	75.00	4.00	130	TiN
8597381	●	-	-	-	3.810	0.15000	43.00	75.00	4.00	130	TiN
859738211	●	-	-	-	3.820	0.15039	43.00	75.00	4.00	130	TiAlN
8597382	●	-	-	-	3.820	0.15039	43.00	75.00	4.00	130	TiN
859738311	●	-	-	-	3.830	0.15079	43.00	75.00	4.00	130	TiAlN
8597383	●	-	-	-	3.830	0.15079	43.00	75.00	4.00	130	TiN
859738411	●	-	-	-	3.840	0.15118	43.00	75.00	4.00	130	TiAlN
8597384	●	-	-	-	3.840	0.15118	43.00	75.00	4.00	130	TiN
8597385	●	-	-	-	3.850	0.15157	43.00	75.00	4.00	130	TiN
8597386	●	-	-	-	3.860	0.15197	43.00	75.00	4.00	130	TiN
8597387	●	-	-	-	3.870	0.15236	43.00	75.00	4.00	130	TiN
8597388	●	-	-	-	3.880	0.15276	43.00	75.00	4.00	130	TiN
8597389	●	-	-	-	3.890	0.15315	43.00	75.00	4.00	130	TiN
62539	●	-	-	-	3.900	0.15354	43.00	75.00	4.00	130	TiN
8597391	●	-	-	-	3.910	0.15394	43.00	75.00	4.00	130	TiN
8597392	●	-	-	-	3.920	0.15433	43.00	75.00	4.00	130	TiN
8597393	●	-	-	-	3.930	0.15472	43.00	75.00	4.00	130	TiN
8597394	●	-	-	-	3.940	0.15512	43.00	75.00	4.00	130	TiN
8597395	●	-	-	-	3.950	0.15551	43.00	75.00	4.00	130	TiN
8597396	●	-	-	-	3.960	0.15591	43.00	75.00	4.00	130	TiN
859739711	●	-	-	-	3.970	0.15630	43.00	75.00	4.00	130	TiAlN
8597397	●	-	-	-	3.970	0.15630	43.00	75.00	4.00	130	TiN
8597398	●	-	-	-	3.980	0.15669	43.00	75.00	4.00	130	TiN
859739911	●	-	-	-	3.990	0.15709	43.00	75.00	4.00	130	TiAlN
8597399	●	-	-	-	3.990	0.15709	43.00	75.00	4.00	130	TiN
6254011	●	-	-	-	4.000	0.15748	43.00	75.00	4.00	130	TiAlN
62540	●	-	-	-	4.000	0.15748	43.00	75.00	4.00	130	TiN
8597401	●	-	-	-	4.010	0.15787	43.00	87.00	6.00	120	TiN
8597402	●	-	-	-	4.020	0.15827	43.00	87.00	6.00	120	TiN
8597403	●	-	-	-	4.030	0.15866	43.00	87.00	6.00	120	TiN
859740411	●	-	-	-	4.040	0.15906	43.00	87.00	6.00	120	TiAlN
8597404	●	-	-	-	4.040	0.15906	43.00	87.00	6.00	120	TiN
8597405	●	-	-	-	4.050	0.15945	43.00	87.00	6.00	120	TiN
8597406	●	-	-	-	4.060	0.15984	43.00	87.00	6.00	120	TiN
8597407	●	-	-	-	4.070	0.16024	43.00	87.00	6.00	120	TiN
8597408	●	-	-	-	4.080	0.16063	43.00	87.00	6.00	120	TiN
859740911	●	-	-	-	4.090	0.16102	43.00	87.00	6.00	120	TiAlN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



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	1045	1065	4140				4340			6061	7075						
1018	1045	1065																

○ Good ○ Best



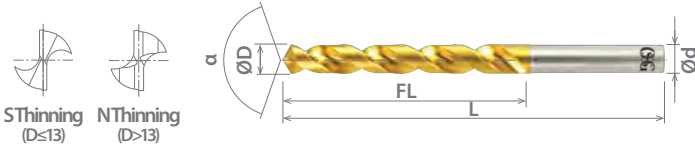


List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
2 ≤ 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 ≤ 30	+0 / -0.033	+0 / -0.0013
30 < D ≤ 32	+0 / -0.039	+0 / -0.0015



EDP Number		Diameter (D)					Flute Length FL (mm)	Overall Length L (mm)	Shank Diameter d (mm)	Point Angle α	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch					
8597409	●	-	-	-	4.090	0.16102	43.00	87.00	6.00	120	TiN
62541	●	-	-	-	4.100	0.16142	43.00	87.00	6.00	120	TiN
8597411	●	-	-	-	4.110	0.16181	43.00	87.00	6.00	120	TiN
8597412	●	-	-	-	4.120	0.16220	43.00	87.00	6.00	120	TiN
8597413	●	-	-	-	4.130	0.16260	43.00	87.00	6.00	120	TiN
8597414	●	-	-	-	4.140	0.16299	43.00	87.00	6.00	120	TiN
8597415	●	-	-	-	4.150	0.16339	43.00	87.00	6.00	120	TiN
8597416	●	-	-	-	4.160	0.16378	43.00	87.00	6.00	120	TiN
8597417	●	-	-	-	4.170	0.16417	43.00	87.00	6.00	120	TiN
8597418	●	-	-	-	4.180	0.16457	43.00	87.00	6.00	120	TiN
8597419	●	-	-	-	4.190	0.16496	43.00	87.00	6.00	120	TiN
62542	●	-	-	-	4.200	0.16535	43.00	87.00	6.00	120	TiN
8597421	●	-	-	-	4.210	0.16575	43.00	87.00	6.00	120	TiN
859742211	●	-	-	-	4.220	0.16614	43.00	87.00	6.00	120	TiAlN
8597422	●	-	-	-	4.220	0.16614	43.00	87.00	6.00	120	TiN
8597423	●	-	-	-	4.230	0.16654	43.00	87.00	6.00	120	TiN
8597424	●	-	-	-	4.240	0.16693	43.00	87.00	6.00	120	TiN
8597425	●	-	-	-	4.250	0.16732	43.00	87.00	6.00	120	TiN
8597426	●	-	-	-	4.260	0.16772	47.00	91.00	6.00	120	TiN
8597427	●	-	-	-	4.270	0.16811	47.00	91.00	6.00	120	TiN
8597428	●	-	-	-	4.280	0.16850	47.00	91.00	6.00	120	TiN
8597429	●	-	-	-	4.290	0.16890	47.00	91.00	6.00	120	TiN
62543	●	-	-	-	4.300	0.16929	47.00	91.00	6.00	120	TiN
8597431	●	-	-	-	4.310	0.16969	47.00	91.00	6.00	120	TiN
8597432	●	-	-	-	4.320	0.17008	47.00	91.00	6.00	120	TiN
8597433	●	-	-	-	4.330	0.17047	47.00	91.00	6.00	120	TiN
8597434	●	-	-	-	4.340	0.17087	47.00	91.00	6.00	120	TiN
8597435	●	-	-	-	4.350	0.17126	47.00	91.00	6.00	120	TiN
8597436	●	-	-	-	4.360	0.17165	47.00	91.00	6.00	120	TiN
859743711	●	-	-	-	4.370	0.17205	47.00	91.00	6.00	120	TiAlN
8597437	●	-	-	-	4.370	0.17205	47.00	91.00	6.00	120	TiN
8597438	●	-	-	-	4.380	0.17244	47.00	91.00	6.00	120	TiN
8597439	●	-	-	-	4.390	0.17283	47.00	91.00	6.00	120	TiN
62544	●	-	-	-	4.400	0.17323	47.00	91.00	6.00	120	TiN
8597441	●	-	-	-	4.410	0.17362	47.00	91.00	6.00	120	TiN
8597442	●	-	-	-	4.420	0.17402	47.00	91.00	6.00	120	TiN
8597443	●	-	-	-	4.430	0.17441	47.00	91.00	6.00	120	TiN
8597444	●	-	-	-	4.440	0.17480	47.00	91.00	6.00	120	TiN
8597445	●	-	-	-	4.450	0.17520	47.00	91.00	6.00	120	TiN
8597446	●	-	-	-	4.460	0.17559	47.00	91.00	6.00	120	TiN
8597447	●	-	-	-	4.470	0.17598	47.00	91.00	6.00	120	TiN
8597448	●	-	-	-	4.480	0.17638	47.00	91.00	6.00	120	TiN
8597449	●	-	-	-	4.490	0.17677	47.00	91.00	6.00	120	TiN
6254511	●	-	-	-	4.500	0.17717	47.00	91.00	6.00	120	TiAlN
62545	●	-	-	-	4.500	0.17717	47.00	91.00	6.00	120	TiN
8597451	●	-	-	-	4.510	0.17756	47.00	91.00	6.00	120	TiN
8597452	●	-	-	-	4.520	0.17795	47.00	91.00	6.00	120	TiN
8597453	●	-	-	-	4.530	0.17835	47.00	91.00	6.00	120	TiN
8597454	●	-	-	-	4.540	0.17874	47.00	91.00	6.00	120	TiN
8597455	●	-	-	-	4.550	0.17913	47.00	91.00	6.00	120	TiN
8597456	●	-	-	-	4.560	0.17953	47.00	91.00	6.00	120	TiN
859745711	●	-	-	-	4.570	0.17992	47.00	91.00	6.00	120	TiAlN
8597457	●	-	-	-	4.570	0.17992	47.00	91.00	6.00	120	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.





List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α	
8597458	●	-	-	-	4.580	0.18031	47.00	91.00	6.00	120	TiN
8597459	●	-	-	-	4.590	0.18071	47.00	91.00	6.00	120	TiN
62546	●	-	-	-	4.600	0.18110	47.00	91.00	6.00	120	TiN
8597461	●	-	-	-	4.610	0.18150	47.00	91.00	6.00	120	TiN
8597462	●	-	-	-	4.620	0.18189	47.00	91.00	6.00	120	TiN
8597463	●	-	-	-	4.630	0.18228	47.00	91.00	6.00	120	TiN
8597464	●	-	-	-	4.640	0.18268	47.00	91.00	6.00	120	TiN
8597465	●	-	-	-	4.650	0.18307	47.00	91.00	6.00	120	TiN
8597466	●	-	-	-	4.660	0.18346	47.00	91.00	6.00	120	TiN
8597467	●	-	-	-	4.670	0.18386	47.00	91.00	6.00	120	TiN
8597468	●	-	-	-	4.680	0.18425	47.00	91.00	6.00	120	TiN
8597469	●	-	-	-	4.690	0.18465	47.00	91.00	6.00	120	TiN
62547	●	-	-	-	4.700	0.18504	47.00	91.00	6.00	120	TiN
8597471	●	-	-	-	4.710	0.18543	47.00	91.00	6.00	120	TiN
8597472	●	-	-	-	4.720	0.18583	47.00	91.00	6.00	120	TiN
8597473	●	-	-	-	4.730	0.18622	47.00	91.00	6.00	120	TiN
8597474	●	-	-	-	4.740	0.18661	47.00	91.00	6.00	120	TiN
859747511	●	-	-	-	4.750	0.18701	47.00	91.00	6.00	120	TiAlN
8597475	●	-	-	-	4.750	0.18701	47.00	91.00	6.00	120	TiN
859747611	●	-	-	-	4.760	0.18740	52.00	96.00	6.00	120	TiAlN
8597476	●	-	-	-	4.760	0.18740	52.00	96.00	6.00	120	TiN
8597477	●	-	-	-	4.770	0.18780	52.00	96.00	6.00	120	TiN
8597478	●	-	-	-	4.780	0.18819	52.00	96.00	6.00	120	TiN
8597479	●	-	-	-	4.790	0.18858	52.00	96.00	6.00	120	TiN
6254811	●	-	-	-	4.800	0.18898	52.00	96.00	6.00	120	TiAlN
62548	●	-	-	-	4.800	0.18898	52.00	96.00	6.00	120	TiN
8597481	●	-	-	-	4.810	0.18937	52.00	96.00	6.00	120	TiN
8597482	●	-	-	-	4.820	0.18976	52.00	96.00	6.00	120	TiN
8597483	●	-	-	-	4.830	0.19016	52.00	96.00	6.00	120	TiN
8597484	●	-	-	-	4.840	0.19055	52.00	96.00	6.00	120	TiN
859748511	●	-	-	-	4.850	0.19094	52.00	96.00	6.00	120	TiAlN
8597485	●	-	-	-	4.850	0.19094	52.00	96.00	6.00	120	TiN
8597486	●	-	-	-	4.860	0.19134	52.00	96.00	6.00	120	TiN
8597487	●	-	-	-	4.870	0.19173	52.00	96.00	6.00	120	TiN
8597488	●	-	-	-	4.880	0.19213	52.00	96.00	6.00	120	TiN
8597489	●	-	-	-	4.890	0.19252	52.00	96.00	6.00	120	TiN
62549	●	-	-	-	4.900	0.19291	52.00	96.00	6.00	120	TiN
8597491	●	-	-	-	4.910	0.19331	52.00	96.00	6.00	120	TiN
8597492	●	-	-	-	4.920	0.19370	52.00	96.00	6.00	120	TiN
8597493	●	-	-	-	4.930	0.19409	52.00	96.00	6.00	120	TiN
8597494	●	-	-	-	4.940	0.19449	52.00	96.00	6.00	120	TiN
8597495	●	-	-	-	4.950	0.19488	52.00	96.00	6.00	120	TiN
8597496	●	-	-	-	4.960	0.19528	52.00	96.00	6.00	120	TiN
8597497	●	-	-	-	4.970	0.19567	52.00	96.00	6.00	120	TiN
859749811	●	-	-	-	4.980	0.19606	52.00	96.00	6.00	120	TiAlN
8597498	●	-	-	-	4.980	0.19606	52.00	96.00	6.00	120	TiN
8597499	●	-	-	-	4.990	0.19646	52.00	96.00	6.00	120	TiN
62550	●	-	-	-	5.000	0.19685	52.00	96.00	6.00	120	TiN
8597501	●	-	-	-	5.010	0.19724	52.00	96.00	6.00	120	TiN
859750211	●	-	-	-	5.020	0.19764	52.00	96.00	6.00	120	TiAlN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



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	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
Low	Medium	High							6061	7075						
1010	1035	1065	4140	4340	○	○	○	○	○							
1018	1045				○	○	○	○	○							

○ Good ○ Best



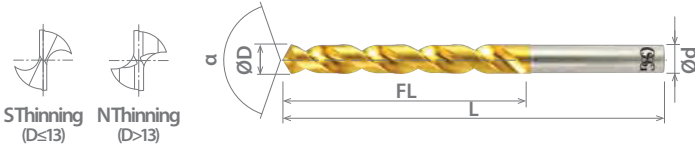


List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
2 ≤ 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 ≤ 30	+0 / -0.033	+0 / -0.0013
30 < D ≤ 32	+0 / -0.039	+0 / -0.0015



EDP Number		Diameter (D)					Flute Length FL (mm)	Overall Length L (mm)	Shank Diameter d (mm)	Point Angle α	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch					
8597502	●	-	-	-	5.020	0.19764	52.00	96.00	6.00	120	TiN
8597503	●	-	-	-	5.030	0.19803	52.00	96.00	6.00	120	TiN
8597504	●	-	-	-	5.040	0.19843	52.00	96.00	6.00	120	TiN
8597505	●	-	-	-	5.050	0.19882	52.00	96.00	6.00	120	TiN
8597506	●	-	-	-	5.060	0.19921	52.00	96.00	6.00	120	TiN
8597507	●	-	-	-	5.070	0.19961	52.00	96.00	6.00	120	TiN
8597508	●	-	-	-	5.080	0.20000	52.00	96.00	6.00	120	TiN
8597509	●	-	-	-	5.090	0.20039	52.00	96.00	6.00	120	TiN
62551	●	-	-	-	5.100	0.20079	52.00	96.00	6.00	120	TiN
859751111	●	-	-	-	5.110	0.20118	52.00	96.00	6.00	120	TiAlN
8597511	●	-	-	-	5.110	0.20118	52.00	96.00	6.00	120	TiN
8597512	●	-	-	-	5.120	0.20157	52.00	96.00	6.00	120	TiN
8597513	●	-	-	-	5.130	0.20197	52.00	96.00	6.00	120	TiN
8597514	●	-	-	-	5.140	0.20236	52.00	96.00	6.00	120	TiN
8597515	●	-	-	-	5.150	0.20276	52.00	96.00	6.00	120	TiN
859751611	●	-	-	-	5.160	0.20315	52.00	96.00	6.00	120	TiAlN
8597516	●	-	-	-	5.160	0.20315	52.00	96.00	6.00	120	TiN
8597517	●	-	-	-	5.170	0.20354	52.00	96.00	6.00	120	TiN
8597518	●	-	-	-	5.180	0.20394	52.00	96.00	6.00	120	TiN
8597519	●	-	-	-	5.190	0.20433	52.00	96.00	6.00	120	TiN
6255211	●	-	-	-	5.200	0.20472	52.00	96.00	6.00	120	TiAlN
62552	●	-	-	-	5.200	0.20472	52.00	96.00	6.00	120	TiN
8597521	●	-	-	-	5.210	0.20512	52.00	96.00	6.00	120	TiN
8597522	●	-	-	-	5.220	0.20551	52.00	96.00	6.00	120	TiN
8597523	●	-	-	-	5.230	0.20591	52.00	96.00	6.00	120	TiN
8597524	●	-	-	-	5.240	0.20630	52.00	96.00	6.00	120	TiN
8597525	●	-	-	-	5.250	0.20669	52.00	96.00	6.00	120	TiN
8597526	●	-	-	-	5.260	0.20709	52.00	96.00	6.00	120	TiN
8597527	●	-	-	-	5.270	0.20748	52.00	96.00	6.00	120	TiN
8597528	●	-	-	-	5.280	0.20787	52.00	96.00	6.00	120	TiN
8597529	●	-	-	-	5.290	0.20827	52.00	96.00	6.00	120	TiN
62553	●	-	-	-	5.300	0.20866	52.00	96.00	6.00	120	TiN
859753111	●	-	-	-	5.310	0.20906	57.00	101.00	6.00	120	TiAlN
8597531	●	-	-	-	5.310	0.20906	57.00	101.00	6.00	120	TiN
8597532	●	-	-	-	5.320	0.20945	57.00	101.00	6.00	120	TiN
8597533	●	-	-	-	5.330	0.20984	57.00	101.00	6.00	120	TiN
8597534	●	-	-	-	5.340	0.21024	57.00	101.00	6.00	120	TiN
8597535	●	-	-	-	5.350	0.21063	57.00	101.00	6.00	120	TiN
8597536	●	-	-	-	5.360	0.21102	57.00	101.00	6.00	120	TiN
8597537	●	-	-	-	5.370	0.21142	57.00	101.00	6.00	120	TiN
8597538	●	-	-	-	5.380	0.21181	57.00	101.00	6.00	120	TiN
8597539	●	-	-	-	5.390	0.21220	57.00	101.00	6.00	120	TiN
62554	●	-	-	-	5.400	0.21260	57.00	101.00	6.00	120	TiN
8597541	●	-	-	-	5.410	0.21299	57.00	101.00	6.00	120	TiN
8597542	●	-	-	-	5.420	0.21339	57.00	101.00	6.00	120	TiN
8597543	●	-	-	-	5.430	0.21378	57.00	101.00	6.00	120	TiN
8597544	●	-	-	-	5.440	0.21417	57.00	101.00	6.00	120	TiN
8597545	●	-	-	-	5.450	0.21457	57.00	101.00	6.00	120	TiN
8597546	●	-	-	-	5.460	0.21496	57.00	101.00	6.00	120	TiN
859754711	●	-	-	-	5.470	0.21535	57.00	101.00	6.00	120	TiAlN
8597547	●	-	-	-	5.470	0.21535	57.00	101.00	6.00	120	TiN
8597548	●	-	-	-	5.480	0.21575	57.00	101.00	6.00	120	TiN
8597549	●	-	-	-	5.490	0.21614	57.00	101.00	6.00	120	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.





List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α	
6255511	●	-	-	-	5.500	0.21654	57.00	101.00	6.00	120	TiAlN
62555	●	-	-	-	5.500	0.21654	57.00	101.00	6.00	120	TiN
8597551	●	-	-	-	5.510	0.21693	57.00	101.00	6.00	120	TiN
8597552	●	-	-	-	5.520	0.21732	57.00	101.00	6.00	120	TiN
8597553	●	-	-	-	5.530	0.21772	57.00	101.00	6.00	120	TiN
8597554	●	-	-	-	5.540	0.21811	57.00	101.00	6.00	120	TiN
8597555	●	-	-	-	5.550	0.21850	57.00	101.00	6.00	120	TiN
8597556	●	-	-	-	5.560	0.21890	57.00	101.00	6.00	120	TiN
8597557	●	-	-	-	5.570	0.21929	57.00	101.00	6.00	120	TiN
8597558	●	-	-	-	5.580	0.21969	57.00	101.00	6.00	120	TiN
8597559	●	-	-	-	5.590	0.22008	57.00	101.00	6.00	120	TiN
62556	●	-	-	-	5.600	0.22047	57.00	101.00	6.00	120	TiN
859756111	●	-	-	-	5.610	0.22087	57.00	101.00	6.00	120	TiAlN
8597561	●	-	-	-	5.610	0.22087	57.00	101.00	6.00	120	TiN
8597562	●	-	-	-	5.620	0.22126	57.00	101.00	6.00	120	TiN
8597563	●	-	-	-	5.630	0.22165	57.00	101.00	6.00	120	TiN
8597564	●	-	-	-	5.640	0.22205	57.00	101.00	6.00	120	TiN
8597565	●	-	-	-	5.650	0.22244	57.00	101.00	6.00	120	TiN
8597566	●	-	-	-	5.660	0.22283	57.00	101.00	6.00	120	TiN
8597567	●	-	-	-	5.670	0.22323	57.00	101.00	6.00	120	TiN
8597568	●	-	-	-	5.680	0.22362	57.00	101.00	6.00	120	TiN
8597569	●	-	-	-	5.690	0.22402	57.00	101.00	6.00	120	TiN
62557	●	-	-	-	5.700	0.22441	57.00	101.00	6.00	120	TiN
8597571	●	-	-	-	5.710	0.22480	57.00	101.00	6.00	120	TiN
8597572	●	-	-	-	5.720	0.22520	57.00	101.00	6.00	120	TiN
8597573	●	-	-	-	5.730	0.22559	57.00	101.00	6.00	120	TiN
8597574	●	-	-	-	5.740	0.22598	57.00	101.00	6.00	120	TiN
8597575	●	-	-	-	5.750	0.22638	57.00	101.00	6.00	120	TiN
8597576	●	-	-	-	5.760	0.22677	57.00	101.00	6.00	120	TiN
8597577	●	-	-	-	5.770	0.22717	57.00	101.00	6.00	120	TiN
8597578	●	-	-	-	5.780	0.22756	57.00	101.00	6.00	120	TiN
8597579	●	-	-	-	5.790	0.22795	57.00	101.00	6.00	120	TiN
62558	●	-	-	-	5.800	0.22835	57.00	101.00	6.00	120	TiN
8597581	●	-	-	-	5.810	0.22874	57.00	101.00	6.00	120	TiN
8597582	●	-	-	-	5.820	0.22913	57.00	101.00	6.00	120	TiN
8597583	●	-	-	-	5.830	0.22953	57.00	101.00	6.00	120	TiN
8597584	●	-	-	-	5.840	0.22992	57.00	101.00	6.00	120	TiN
8597585	●	-	-	-	5.850	0.23031	57.00	101.00	6.00	120	TiN
8597586	●	-	-	-	5.860	0.23071	57.00	101.00	6.00	120	TiN
8597587	●	-	-	-	5.870	0.23110	57.00	101.00	6.00	120	TiN
8597588	●	-	-	-	5.880	0.23150	57.00	101.00	6.00	120	TiN
8597589	●	-	-	-	5.890	0.23189	57.00	101.00	6.00	120	TiN
62559	●	-	-	-	5.900	0.23228	57.00	101.00	6.00	120	TiN
8597591	●	-	-	-	5.910	0.23268	57.00	101.00	6.00	120	TiN
8597592	●	-	-	-	5.920	0.23307	57.00	101.00	6.00	120	TiN
8597593	●	-	-	-	5.930	0.23346	57.00	101.00	6.00	120	TiN
8597594	●	-	-	-	5.940	0.23386	57.00	101.00	6.00	120	TiN
859759511	●	-	-	-	5.950	0.23425	57.00	101.00	6.00	120	TiAlN
8597595	●	-	-	-	5.950	0.23425	57.00	101.00	6.00	120	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



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														
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

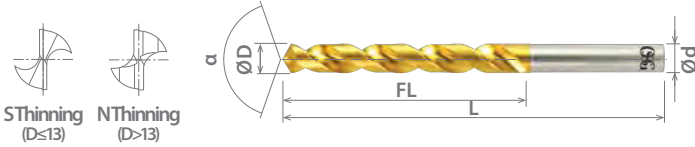




List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
2 ≤ 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 ≤ 30	+0 / -0.033	+0 / -0.0013
30 < D ≤ 32	+0 / -0.039	+0 / -0.0015

EDP Number		Diameter (D)					Flute Length FL (mm)	Overall Length L (mm)	Shank Diameter d (mm)	Point Angle α	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch					
8597596	●	-	-	-	5.960	0.23465	57.00	101.00	6.00	120	TiN
8597597	●	-	-	-	5.970	0.23504	57.00	101.00	6.00	120	TiN
8597598	●	-	-	-	5.980	0.23543	57.00	101.00	6.00	120	TiN
8597599	●	-	-	-	5.990	0.23583	57.00	101.00	6.00	120	TiN
62560	●	-	-	-	6.000	0.23622	57.00	101.00	6.00	120	TiN
8597605	●	-	-	-	6.050	0.23819	63.00	107.00	8.00	120	TiN
6256111	●	-	-	-	6.100	0.24016	63.00	107.00	8.00	120	TiAlN
62561	●	-	-	-	6.100	0.24016	63.00	107.00	8.00	120	TiN
8597615	●	-	-	-	6.150	0.24213	63.00	107.00	8.00	120	TiN
62562	●	-	-	-	6.200	0.24409	63.00	107.00	8.00	120	TiN
8597625	●	-	-	-	6.250	0.24606	63.00	107.00	8.00	120	TiN
62563	●	-	-	-	6.300	0.24803	63.00	107.00	8.00	120	TiN
859763511	●	1/4	-	E	6.350	0.25000	63.00	107.00	8.00	120	TiAlN
8597635	●	1/4	-	E	6.350	0.25000	63.00	107.00	8.00	120	TiN
62564	●	-	-	-	6.400	0.25197	63.00	107.00	8.00	120	TiN
8597645	●	-	-	-	6.450	0.25394	63.00	107.00	8.00	120	TiN
6256511	●	-	-	-	6.500	0.25591	63.00	107.00	8.00	120	TiAlN
62565	●	-	-	-	6.500	0.25591	63.00	107.00	8.00	120	TiN
8597655	●	-	-	-	6.550	0.25787	63.00	107.00	8.00	120	TiN
6256611	●	-	-	-	6.600	0.25984	63.00	107.00	8.00	120	TiAlN
62566	●	-	-	-	6.600	0.25984	63.00	107.00	8.00	120	TiN
8597665	●	-	-	-	6.650	0.26181	63.00	107.00	8.00	120	TiN
62567	●	-	-	-	6.700	0.26378	63.00	107.00	8.00	120	TiN
859767511	●	-	-	-	6.750	0.26575	69.00	113.00	8.00	120	TiAlN
8597675	●	-	-	-	6.750	0.26575	69.00	113.00	8.00	120	TiN
6256811	●	-	-	-	6.800	0.26772	69.00	113.00	8.00	120	TiAlN
62568	●	-	-	-	6.800	0.26772	69.00	113.00	8.00	120	TiN
8597685	●	-	-	-	6.850	0.26969	69.00	113.00	8.00	120	TiN
62569	●	-	-	-	6.900	0.27165	69.00	113.00	8.00	120	TiN
8597695	●	-	-	-	6.950	0.27362	69.00	113.00	8.00	120	TiN
6257011	●	-	-	-	7.000	0.27559	69.00	113.00	8.00	120	TiAlN
62570	●	-	-	-	7.000	0.27559	69.00	113.00	8.00	120	TiN
8597705	●	-	-	-	7.050	0.27756	69.00	113.00	8.00	120	TiN
62571	●	-	-	-	7.100	0.27953	69.00	113.00	8.00	120	TiN
8597715	●	-	-	-	7.150	0.28150	69.00	113.00	8.00	120	TiN
62572	●	-	-	-	7.200	0.28346	69.00	113.00	8.00	120	TiN
859772511	●	-	-	-	7.250	0.28543	69.00	113.00	8.00	120	TiAlN
8597725	●	-	-	-	7.250	0.28543	69.00	113.00	8.00	120	TiN
62573	●	-	-	-	7.300	0.28740	69.00	113.00	8.00	120	TiN
8597735	●	-	-	-	7.350	0.28937	69.00	113.00	8.00	120	TiN
6257411	●	-	-	-	7.400	0.29134	69.00	113.00	8.00	120	TiAlN
62574	●	-	-	-	7.400	0.29134	69.00	113.00	8.00	120	TiN
8597745	●	-	-	-	7.450	0.29331	69.00	113.00	8.00	120	TiN
62575	●	-	-	-	7.500	0.29528	69.00	113.00	8.00	120	TiN
8597755	●	-	-	-	7.550	0.29724	75.00	119.00	8.00	120	TiN
62576	●	-	-	-	7.600	0.29921	75.00	119.00	8.00	120	TiN
8597765	●	-	-	-	7.650	0.30118	75.00	119.00	8.00	120	TiN
6257711	●	-	-	-	7.700	0.30315	75.00	119.00	8.00	120	TiAlN
62577	●	-	-	-	7.700	0.30315	75.00	119.00	8.00	120	TiN
8597775	●	-	-	-	7.750	0.30512	75.00	119.00	8.00	120	TiN
62578	●	-	-	-	7.800	0.30709	75.00	119.00	8.00	120	TiN
8597785	●	-	-	-	7.850	0.30906	75.00	119.00	8.00	120	TiN
6257911	●	-	-	-	7.900	0.31102	75.00	119.00	8.00	120	TiAlN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.





List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α	
62579	●	-	-	-	7.900	0.31102	75.00	119.00	8.00	120	TiN
8597795	●	-	-	-	7.950	0.31299	75.00	119.00	8.00	120	TiN
62580	●	-	-	-	8.000	0.31496	75.00	119.00	8.00	120	TiN
8597805	●	-	-	-	8.050	0.31693	75.00	125.00	10.00	120	TiN
62581	●	-	-	-	8.100	0.31890	75.00	125.00	10.00	120	TiN
8597815	●	-	-	-	8.150	0.32087	75.00	125.00	10.00	120	TiN
62582	●	-	-	-	8.200	0.32283	75.00	125.00	10.00	120	TiN
8597825	●	-	-	-	8.250	0.32480	75.00	125.00	10.00	120	TiN
62583	●	-	-	-	8.300	0.32677	75.00	125.00	10.00	120	TiN
8597835	●	-	-	-	8.350	0.32874	75.00	125.00	10.00	120	TiN
62584	●	-	-	-	8.400	0.33071	75.00	125.00	10.00	120	TiN
8597845	●	-	-	-	8.450	0.33268	75.00	125.00	10.00	120	TiN
6258511	●	-	-	-	8.500	0.33465	75.00	125.00	10.00	120	TiAlN
62585	●	-	-	-	8.500	0.33465	75.00	125.00	10.00	120	TiN
8597855	●	-	-	-	8.550	0.33661	81.00	131.00	10.00	120	TiN
6258611	●	-	-	-	8.600	0.33858	81.00	131.00	10.00	120	TiAlN
62586	●	-	-	-	8.600	0.33858	81.00	131.00	10.00	120	TiN
8597865	●	-	-	-	8.650	0.34055	81.00	131.00	10.00	120	TiN
62587	●	-	-	-	8.700	0.34252	81.00	131.00	10.00	120	TiN
8597875	●	-	-	-	8.750	0.34449	81.00	131.00	10.00	120	TiN
62588	●	-	-	-	8.800	0.34646	81.00	131.00	10.00	120	TiN
8597885	●	-	-	-	8.850	0.34843	81.00	131.00	10.00	120	TiN
62589	●	-	-	-	8.900	0.35039	81.00	131.00	10.00	120	TiN
8597895	●	-	-	-	8.950	0.35236	81.00	131.00	10.00	120	TiN
62590	●	-	-	-	9.000	0.35433	81.00	131.00	10.00	120	TiN
8597905	●	-	-	-	9.050	0.35630	81.00	131.00	10.00	120	TiN
6259111	●	-	-	-	9.100	0.35827	81.00	131.00	10.00	120	TiAlN
62591	●	-	-	-	9.100	0.35827	81.00	131.00	10.00	120	TiN
8597915	●	-	-	-	9.150	0.36024	81.00	131.00	10.00	120	TiN
6259211	●	-	-	-	9.200	0.36220	81.00	131.00	10.00	120	TiAlN
62592	●	-	-	-	9.200	0.36220	81.00	131.00	10.00	120	TiN
859792511	●	-	-	-	9.250	0.36417	81.00	131.00	10.00	120	TiAlN
8597925	●	-	-	-	9.250	0.36417	81.00	131.00	10.00	120	TiN
62593	●	-	-	-	9.300	0.36614	81.00	131.00	10.00	120	TiN
859793511	●	-	-	-	9.350	0.36811	81.00	131.00	10.00	120	TiAlN
8597935	●	-	-	-	9.350	0.36811	81.00	131.00	10.00	120	TiN
62594	●	-	-	-	9.400	0.37008	81.00	131.00	10.00	120	TiN
8597945	●	-	-	-	9.450	0.37205	81.00	131.00	10.00	120	TiN
6259511	●	-	-	-	9.500	0.37402	81.00	131.00	10.00	120	TiAlN
62595	●	-	-	-	9.500	0.37402	81.00	131.00	10.00	120	TiN
8597955	●	-	-	-	9.550	0.37598	87.00	137.00	10.00	120	TiN
62596	●	-	-	-	9.600	0.37795	87.00	137.00	10.00	120	TiN
8597965	●	-	-	-	9.650	0.37992	87.00	137.00	10.00	120	TiN
62597	●	-	-	-	9.700	0.38189	87.00	137.00	10.00	120	TiN
8597975	●	-	-	-	9.750	0.38386	87.00	137.00	10.00	120	TiN
6259811	●	-	-	-	9.800	0.38583	87.00	137.00	10.00	120	TiAlN
62598	●	-	-	-	9.800	0.38583	87.00	137.00	10.00	120	TiN
8597985	●	-	-	-	9.850	0.38780	87.00	137.00	10.00	120	TiN
62599	●	-	-	-	9.900	0.38976	87.00	137.00	10.00	120	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



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	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
Low	Medium	High							6061	Casting						
1010	1035	1045	1065	4140	4340		6061	7075								
○	○					○	○	○	○	○						

○ Good ○ Best

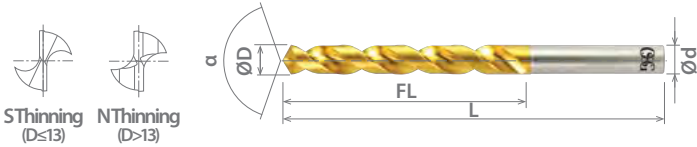




List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TiN	TiAlN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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Cutting Diameter Tolerance (h8)		
Size (mm)	mm	inch
2 ≤ 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 ≤ 30	+0 / -0.033	+0 / -0.0013
30 < D ≤ 32	+0 / -0.039	+0 / -0.0015

EDP Number		Diameter (D)					Flute Length FL (mm)	Overall Length L (mm)	Shank Diameter d (mm)	Point Angle α	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch					
8597995	●	-	-	-	9.950	0.39173	87.00	137.00	10.00	120	TiN
62600	●	-	-	-	10.000	0.39370	87.00	137.00	10.00	120	TiN
8598005	●	-	-	-	10.050	0.39567	87.00	144.00	12.00	120	TiN
62601	●	-	-	-	10.100	0.39764	87.00	144.00	12.00	120	TiN
8598015	●	-	-	-	10.150	0.39961	87.00	144.00	12.00	120	TiN
6260211	●	-	-	-	10.200	0.40157	87.00	144.00	12.00	120	TiAlN
62602	●	-	-	-	10.200	0.40157	87.00	144.00	12.00	120	TiN
8598025	●	-	-	-	10.250	0.40354	87.00	144.00	12.00	120	TiN
62603	●	-	-	-	10.300	0.40551	87.00	144.00	12.00	120	TiN
8598035	●	-	-	-	10.350	0.40748	87.00	144.00	12.00	120	TiN
62604	●	-	-	-	10.400	0.40945	87.00	144.00	12.00	120	TiN
8598045	●	-	-	-	10.450	0.41142	87.00	144.00	12.00	120	TiN
62605	●	-	-	-	10.500	0.41339	87.00	144.00	12.00	120	TiN
8598055	●	-	-	-	10.550	0.41535	87.00	144.00	12.00	120	TiN
62606	●	-	-	-	10.600	0.41732	87.00	144.00	12.00	120	TiN
8598065	●	-	-	-	10.650	0.41929	94.00	151.00	12.00	120	TiN
6260711	●	-	-	-	10.700	0.42126	94.00	151.00	12.00	120	TiAlN
62607	●	-	-	-	10.700	0.42126	94.00	151.00	12.00	120	TiN
8598075	●	-	-	-	10.750	0.42323	94.00	151.00	12.00	120	TiN
62608	●	-	-	-	10.800	0.42520	94.00	151.00	12.00	120	TiN
8598085	●	-	-	-	10.850	0.42717	94.00	151.00	12.00	120	TiN
6260911	●	-	-	-	10.900	0.42913	94.00	151.00	12.00	120	TiAlN
62609	●	-	-	-	10.900	0.42913	94.00	151.00	12.00	120	TiN
8598095	●	-	-	-	10.950	0.43110	94.00	151.00	12.00	120	TiN
6261011	●	-	-	-	11.000	0.43307	94.00	151.00	12.00	120	TiAlN
62610	●	-	-	-	11.000	0.43307	94.00	151.00	12.00	120	TiN
8598105	●	-	-	-	11.050	0.43504	94.00	151.00	12.00	120	TiN
6261111	●	-	-	-	11.100	0.43701	94.00	151.00	12.00	120	TiAlN
62611	●	-	-	-	11.100	0.43701	94.00	151.00	12.00	120	TiN
8598115	●	-	-	-	11.150	0.43898	94.00	151.00	12.00	120	TiN
62612	●	-	-	-	11.200	0.44094	94.00	151.00	12.00	120	TiN
8598125	●	-	-	-	11.250	0.44291	94.00	151.00	12.00	120	TiN
62613	●	-	-	-	11.300	0.44488	94.00	151.00	12.00	120	TiN
8598135	●	-	-	-	11.350	0.44685	94.00	151.00	12.00	120	TiN
62614	●	-	-	-	11.400	0.44882	94.00	151.00	12.00	120	TiN
8598145	●	-	-	-	11.450	0.45079	94.00	151.00	12.00	120	TiN
62615	●	-	-	-	11.500	0.45276	94.00	151.00	12.00	120	TiN
8598155	●	-	-	-	11.550	0.45472	94.00	151.00	12.00	120	TiN
62616	●	-	-	-	11.600	0.45669	94.00	151.00	12.00	120	TiN
8598165	●	-	-	-	11.650	0.45866	94.00	151.00	12.00	120	TiN
62617	●	-	-	-	11.700	0.46063	94.00	151.00	12.00	120	TiN
8598175	●	-	-	-	11.750	0.46260	94.00	151.00	12.00	120	TiN
62618	●	-	-	-	11.800	0.46457	94.00	151.00	12.00	120	TiN
8598185	●	-	-	-	11.850	0.46654	101.00	158.00	12.00	120	TiN
62619	●	-	-	-	11.900	0.46850	101.00	158.00	12.00	120	TiN
8598195	●	-	-	-	11.950	0.47047	101.00	158.00	12.00	120	TiN
62620	●	-	-	-	12.000	0.47244	101.00	158.00	12.00	120	TiN
62621	●	-	-	-	12.100	0.47638	101.00	158.00	12.00	120	TiN
62622	●	-	-	-	12.200	0.48031	101.00	158.00	12.00	120	TiN
6262311	●	-	-	-	12.300	0.48425	101.00	158.00	12.00	120	TiAlN
62623	●	-	-	-	12.300	0.48425	101.00	158.00	12.00	120	TiN
6262411	●	-	-	-	12.400	0.48819	101.00	158.00	12.00	120	TiAlN
62624	●	-	-	-	12.400	0.48819	101.00	158.00	12.00	120	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.





List 1600 (Continued)

EX-SUS-GOLD EX-SUS-GDR

SPEED FEED 353	HSSE	TIN	TiAIN	2 FLUTE	JOBBER	40°	PACKED 1 PIECE
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EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter	Point Angle	Surface Treatment
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)	α	
62625	●	-	-	-	12.500	0.49213	101.00	158.00	12.00	120	TiN
6262611	●	-	-	-	12.600	0.49606	101.00	158.00	12.00	120	TiAIN
62626	●	-	-	-	12.600	0.49606	101.00	158.00	12.00	120	TiN
6262711	●	-	-	-	12.700	0.50000	101.00	158.00	12.00	120	TiAIN
62627	●	-	-	-	12.700	0.50000	101.00	158.00	12.00	120	TiN
62628	●	-	-	-	12.800	0.50394	101.00	158.00	12.00	120	TiN
62629	●	-	-	-	12.900	0.50787	101.00	158.00	12.00	120	TiN
62630	●	-	-	-	13.000	0.51181	101.00	158.00	12.00	120	TiN
62635	●	-	-	-	13.500	0.53150	106.00	166.00	16.00	120	TiN
62640	●	-	-	-	14.000	0.55118	106.00	166.00	16.00	120	TiN
62641	●	-	-	-	14.100	0.55512	109.00	169.00	16.00	120	TiN
62645	●	-	-	-	14.500	0.57087	109.00	169.00	16.00	120	TiN
6265011	●	-	-	-	15.000	0.59055	109.00	169.00	16.00	120	TiAIN
62650	●	-	-	-	15.000	0.59055	109.00	169.00	16.00	120	TiN
62655	●	-	-	-	15.500	0.61024	112.00	172.00	16.00	120	TiN
62656	●	-	-	-	15.600	0.61417	112.00	172.00	16.00	120	TiN
62660	●	-	-	-	16.000	0.62992	112.00	172.00	16.00	120	TiN
62665	●	-	-	-	16.500	0.64961	115.00	181.00	20.00	120	TiN
62670	●	-	-	-	17.000	0.66929	115.00	181.00	20.00	120	TiN
62675	●	-	-	-	17.500	0.68898	118.00	184.00	20.00	120	TiN
62676	●	-	-	-	17.600	0.69291	118.00	184.00	20.00	120	TiN
62680	●	-	-	-	18.000	0.70866	118.00	184.00	20.00	120	TiN
62685	●	-	-	-	18.500	0.72835	122.00	188.00	20.00	120	TiN
62690	●	-	-	-	19.000	0.74803	122.00	188.00	20.00	120	TiN
62695	●	-	-	-	19.500	0.76772	125.00	191.00	20.00	120	TiN
62696	●	-	-	-	19.600	0.77165	125.00	191.00	20.00	120	TiN
62700	●	-	-	-	20.000	0.78740	125.00	191.00	20.00	120	TiN
62705	●	-	-	-	20.500	0.80709	128.00	204.00	25.00	120	TiN
62710	●	-	-	-	21.000	0.82677	128.00	204.00	25.00	120	TiN
62715	●	-	-	-	21.500	0.84646	132.00	208.00	25.00	120	TiN
62720	●	-	-	-	22.000	0.86614	132.00	208.00	25.00	120	TiN
62725	●	-	-	-	22.500	0.88583	136.00	212.00	25.00	120	TiN
6273011	●	-	-	-	23.000	0.90551	136.00	212.00	25.00	120	TiAIN
62730	●	-	-	-	23.000	0.90551	136.00	212.00	25.00	120	TiN
62735	●	-	-	-	23.500	0.92520	136.00	212.00	25.00	120	TiN
62740	●	-	-	-	24.000	0.94488	140.00	216.00	25.00	120	TiN
62745	●	-	-	-	24.500	0.96457	140.00	216.00	25.00	120	TiN
62750	●	-	-	-	25.000	0.98425	140.00	216.00	25.00	120	TiN
62755	●	-	-	-	25.500	1.00394	145.00	225.00	32.00	120	TiN
62760	●	-	-	-	26.000	1.02362	145.00	225.00	32.00	120	TiN
62765	●	-	-	-	26.500	1.04331	145.00	225.00	32.00	120	TiN
62770	●	-	-	-	27.000	1.06299	150.00	230.00	32.00	120	TiN
62780	●	-	-	-	28.000	1.10236	150.00	230.00	32.00	120	TiN
62790	●	-	-	-	29.000	1.14173	155.00	235.00	32.00	120	TiN
62800	●	-	-	-	30.000	1.18110	155.00	235.00	32.00	120	TiN
62810	●	-	-	-	31.000	1.22047	160.00	240.00	32.00	120	TiN
62820	●	-	-	-	32.000	1.25984	165.00	245.00	32.00	120	TiN

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



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	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
Low	Medium	High							6061	7075						
1010	1035	1045	1065	4140	4340	○	○	○	○	○						
○	○					○	○	○	○	○						

○ Good ○ Best

