



2017 Master Catalog

WIDIA  TM

Difficult Drilling Applications •

WIDIA™ TOP DRILL G™ for Non-Ferrous Materials

TOP DRILL G



TOP DRILL G is the WIDIA solution for difficult drilling applications. Designed specifically for non-ferrous materials, TDG can be used on challenging applications with tighter hole tolerance, inclined planes, intersecting holes, and cored holes. The design of these drills also makes them appropriate for drilling custom aluminum applications.

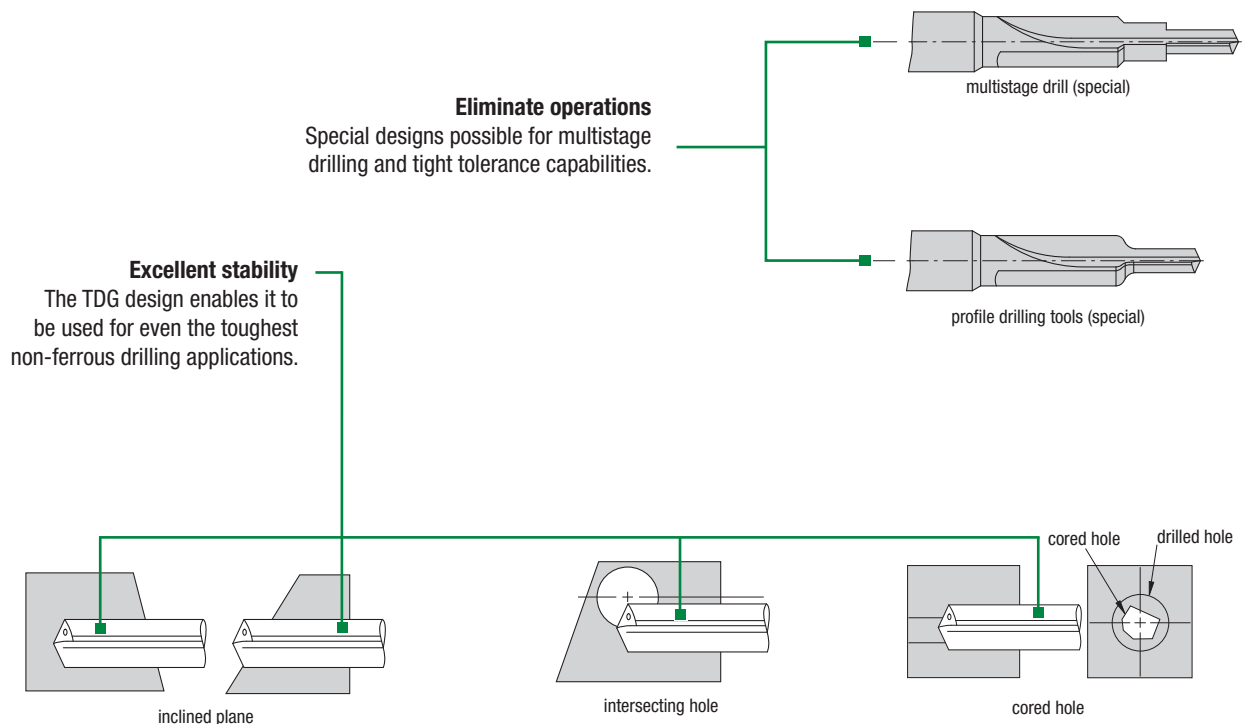
- Next generation of GGX WIDIA-Rübig™ series.
- Targeted for aluminum and non-ferrous materials.
- Can be used in challenging conditions.
- Good for multi-step drills.

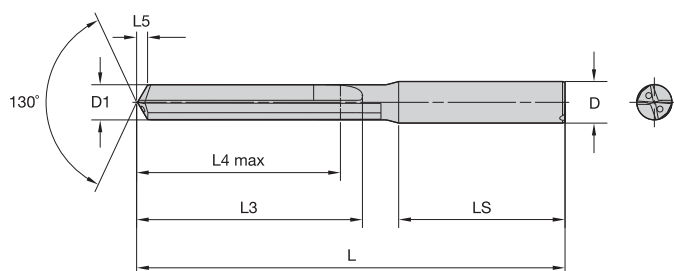
TOP DRILL G™ Design

TDG is designed to handle the toughest non-ferrous drilling applications. The WN10HD™ grade is the latest in application-specific technology. This advanced grade, combined with the TDG's optimal concentricity and safe transmission of torque, gives it long tool life and extreme repeatability. The design of TDG is optimized to evacuate "sticky" chips that result from drilling non-ferrous materials. Easily evacuating these difficult-to-remove chips results in better hole quality due to less heat and friction while drilling.

WIDIA™ Advantage

- Lower cost-per-hole due to high MRR and long tool life.
- Consistent performance from internally controlled supply chain:
Powder > Rod > Grinding > Coating
- Part of the complete WIDIA holmaking solution.
- Get more predictable results from local regrind services using OEM standards to recondition, ensuring value throughout the entire life of the drill.
- Broad range of standard lengths, diameters, and coolant options in one line.
Includes extensive intermediate metric, inch, fraction, and wire sizes, including tap drill sizes.

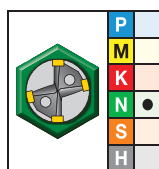




For information on L, L3, and L4 max, see page R133.



TDG532A • 5 x D



grade WN10HD

D1 diameter

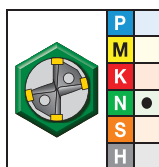
● first choice

○ alternate choice

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4157950	TDG532A03000	3,000	.1181	—	—	66	23	28	0,7	36	6
4157951	TDG532A03048	3,048	.1200	—	31	66	23	28	0,7	36	6
4157952	TDG532A03100	3,100	.1220	—	—	66	23	28	0,7	36	6
4157973	TDG532A03175	3,175	.1250	1/8	—	66	23	28	0,7	36	6
4157974	TDG532A03200	3,200	.1260	—	—	66	23	28	0,7	36	6
4157975	TDG532A03264	3,264	.1285	—	30	66	23	28	0,8	36	6
4157976	TDG532A03300	3,300	.1299	—	—	66	23	28	0,8	36	6
4157977	TDG532A03400	3,400	.1339	—	—	66	23	28	0,8	36	6
4157978	TDG532A03455	3,455	.1360	—	29	66	23	28	0,8	36	6
4157979	TDG532A03500	3,500	.1378	—	—	66	23	28	0,8	36	6
4157980	TDG532A03571	3,571	.1406	9/64	—	66	23	28	0,8	36	6
4157981	TDG532A03600	3,600	.1417	—	—	66	23	28	0,8	36	6
4157982	TDG532A03658	3,658	.1440	—	27	66	23	28	0,9	36	6
4157983	TDG532A03700	3,700	.1457	—	—	66	23	28	0,9	36	6
4157984	TDG532A03734	3,734	.1470	—	26	66	23	28	0,9	36	6
4157985	TDG532A03800	3,800	.1496	—	—	74	29	36	0,9	36	6
4157986	TDG532A03900	3,900	.1535	—	—	74	29	36	0,9	36	6
4157987	TDG532A03970	3,970	.1563	5/32	—	74	29	36	0,9	36	6
4157988	TDG532A04000	4,000	.1575	—	—	74	29	36	0,9	36	6
4157989	TDG532A04039	4,039	.1590	—	21	74	29	36	0,9	36	6
4157990	TDG532A04090	4,090	.1610	—	20	74	29	36	1,0	36	6
4157991	TDG532A04100	4,100	.1614	—	—	74	29	36	1,0	36	6
4157992	TDG532A04200	4,200	.1654	—	—	74	29	36	1,0	36	6
4157993	TDG532A04217	4,217	.1660	—	19	74	29	36	1,0	36	6

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(TDG532A • 5 x D — continued)



grade WN10HD

D1 diameter

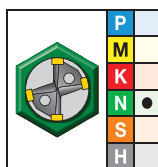
● first choice

○ alternate choice

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4157994	TDG532A04300	4,300	.1693	—	—	74	29	36	1,0	36	6
4157995	TDG532A04366	4,366	.1719	11/64	—	74	29	36	1,0	36	6
4157996	TDG532A04400	4,400	.1732	—	—	74	29	36	1,0	36	6
4157997	TDG532A04500	4,500	.1772	—	—	74	29	36	1,0	36	6
4157998	TDG532A04600	4,600	.1811	—	—	74	29	36	1,1	36	6
4157999	TDG532A04623	4,623	.1820	—	14	74	29	36	1,1	36	6
4158000	TDG532A04700	4,700	.1850	—	13	74	29	36	1,1	36	6
4158001	TDG532A04763	4,763	.1875	3/16	—	82	35	44	1,1	36	6
4158002	TDG532A04800	4,800	.1890	—	12	82	35	44	1,1	36	6
4158003	TDG532A04852	4,852	.1910	—	11	82	35	44	1,1	36	6
4158004	TDG532A04900	4,900	.1929	—	—	82	35	44	1,1	36	6
4158005	TDG532A05000	5,000	.1969	—	—	82	35	44	1,2	36	6
4158006	TDG532A05100	5,100	.2008	—	—	82	35	44	1,2	36	6
4158007	TDG532A05106	5,106	.2010	—	7	82	35	44	1,2	36	6
4158008	TDG532A05159	5,159	.2031	13/64	—	82	35	44	1,2	36	6
4158009	TDG532A05200	5,200	.2047	—	—	82	35	44	1,2	36	6
4158010	TDG532A05300	5,300	.2087	—	—	82	35	44	1,2	36	6
4158011	TDG532A05400	5,400	.2126	—	—	82	35	44	1,3	36	6
4158012	TDG532A05410	5,410	.2130	—	3	82	35	44	1,3	36	6
4158013	TDG532A05500	5,500	.2165	—	—	82	35	44	1,3	36	6
4158014	TDG532A05558	5,558	.2188	7/32	—	82	35	44	1,3	36	6
4158015	TDG532A05600	5,600	.2205	—	—	82	35	44	1,3	36	6
4158016	TDG532A05616	5,616	.2211	—	2	82	35	44	1,3	36	6
4158017	TDG532A05700	5,700	.2244	—	—	82	35	44	1,3	36	6
4158018	TDG532A05800	5,800	.2283	—	—	82	35	44	1,4	36	6
4158019	TDG532A05900	5,900	.2323	—	—	82	35	44	1,4	36	6
4158020	TDG532A05954	5,954	.2344	15/64	—	82	35	44	1,4	36	6
4158021	TDG532A06000	6,000	.2362	—	—	82	35	44	1,4	36	6
4158022	TDG532A06100	6,100	.2402	—	—	91	43	53	1,4	36	8
4158023	TDG532A06200	6,200	.2441	—	—	91	43	53	1,4	36	8
4158024	TDG532A06300	6,300	.2480	—	—	91	43	53	1,5	36	8
4158025	TDG532A06350	6,350	.2500	1/4	E	91	43	53	1,5	36	8
4158026	TDG532A06400	6,400	.2520	—	—	91	43	53	1,5	36	8
4158027	TDG532A06500	6,500	.2559	—	—	91	43	53	1,5	36	8
4158028	TDG532A06528	6,528	.2570	—	F	91	43	53	1,5	36	8
4158029	TDG532A06600	6,600	.2598	—	—	91	43	53	1,5	36	8
4158030	TDG532A06630	6,630	.2610	—	G	91	43	53	1,5	36	8
4158031	TDG532A06700	6,700	.2638	—	—	91	43	53	1,6	36	8
4158032	TDG532A06746	6,746	.2656	17/64	—	91	43	53	1,6	36	8
4158033	TDG532A06800	6,800	.2677	—	—	91	43	53	1,6	36	8

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(TDG532A • 5 x D — continued)



● first choice

○ alternate choice

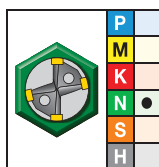
grade WN10HD

D1 diameter

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158034	TDG532A06900	6,900	.2717	—	—	91	43	53	1,6	36	8
4158035	TDG532A07000	7,000	.2756	—	—	91	43	53	1,6	36	8
4158036	TDG532A07100	7,100	.2795	—	—	91	43	53	1,7	36	8
4158037	TDG532A07145	7,145	.2813	9/32	—	91	43	53	1,7	36	8
4158038	TDG532A07200	7,200	.2835	—	—	91	43	53	1,7	36	8
4158039	TDG532A07300	7,300	.2874	—	—	91	43	53	1,7	36	8
4158040	TDG532A07400	7,400	.2913	—	—	91	43	53	1,7	36	8
4158041	TDG532A07500	7,500	.2953	—	—	91	43	53	1,7	36	8
4158042	TDG532A07541	7,541	.2969	19/64	—	91	43	53	1,8	36	8
4158043	TDG532A07600	7,600	.2992	—	—	91	43	53	1,8	36	8
4158044	TDG532A07700	7,700	.3031	—	—	91	43	53	1,8	36	8
4158045	TDG532A07800	7,800	.3071	—	—	91	43	53	1,8	36	8
4158046	TDG532A07900	7,900	.3110	—	—	91	43	53	1,8	36	8
4158047	TDG532A07938	7,938	.3125	5/16	—	91	43	53	1,9	36	8
4158048	TDG532A08000	8,000	.3150	—	—	91	43	53	1,9	36	8
4158049	TDG532A08100	8,100	.3189	—	—	103	49	61	1,9	40	10
4158050	TDG532A08200	8,200	.3228	—	—	103	49	61	1,9	40	10
4158051	TDG532A08300	8,300	.3268	—	—	103	49	61	1,9	40	10
4158052	TDG532A08334	8,334	.3281	21/64	—	103	49	61	1,9	40	10
4158053	TDG532A08400	8,400	.3307	—	—	103	49	61	2,0	40	10
4158054	TDG532A08433	8,433	.3320	—	Q	103	49	61	2,0	40	10
4158055	TDG532A08500	8,500	.3346	—	—	103	49	61	2,0	40	10
4158056	TDG532A08600	8,600	.3386	—	—	103	49	61	2,0	40	10
4158057	TDG532A08700	8,700	.3425	—	—	103	49	61	2,0	40	10
4158058	TDG532A08733	8,733	.3438	11/32	—	103	49	61	2,0	40	10
4158059	TDG532A08800	8,800	.3465	—	—	103	49	61	2,1	40	10
4158060	TDG532A08900	8,900	.3504	—	—	103	49	61	2,1	40	10
4158061	TDG532A09000	9,000	.3543	—	—	103	49	61	2,1	40	10
4158062	TDG532A09100	9,100	.3583	—	—	103	49	61	2,1	40	10
4158063	TDG532A09129	9,129	.3594	23/64	—	103	49	61	2,1	40	10
4158064	TDG532A09200	9,200	.3622	—	—	103	49	61	2,1	40	10
4158065	TDG532A09300	9,300	.3661	—	—	103	49	61	2,2	40	10
4158066	TDG532A09347	9,347	.3680	—	U	103	49	61	2,2	40	10
4158067	TDG532A09400	9,400	.3701	—	—	103	49	61	2,2	40	10
4158068	TDG532A09500	9,500	.3740	—	—	103	49	61	2,2	40	10
4158069	TDG532A09525	9,525	.3750	3/8	—	103	49	61	2,2	40	10
4158070	TDG532A09600	9,600	.3780	—	—	103	49	61	2,2	40	10
4158071	TDG532A09700	9,700	.3819	—	—	103	49	61	2,3	40	10
4158072	TDG532A09800	9,800	.3858	—	—	103	49	61	2,3	40	10
4158073	TDG532A09900	9,900	.3898	—	—	103	49	61	2,3	40	10

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(TDG532A • 5 x D — continued)

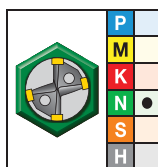


- first choice
- alternate choice

grade WN10HD		D1 diameter									
order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158074	TDG532A09921	9,921	.3906	25/64	—	103	49	61	2,3	40	10
4158081	TDG532A10000	10,000	.3937	—	—	103	49	61	2,3	40	10
4158082	TDG532A10100	10,100	.3976	—	—	118	56	71	2,4	45	12
4158353	TDG532A10200	10,200	.4016	—	—	118	56	71	2,4	45	12
4158354	TDG532A10300	10,300	.4055	—	—	118	56	71	2,4	45	12
4158355	TDG532A10320	10,320	.4063	13/32	—	118	56	71	2,4	45	12
4158356	TDG532A10400	10,400	.4094	—	—	118	56	71	2,4	45	12
4158357	TDG532A10500	10,500	.4134	—	—	118	56	71	2,4	45	12
4158358	TDG532A10600	10,600	.4173	—	—	118	56	71	2,5	45	12
4158359	TDG532A10700	10,700	.4213	—	—	118	56	71	2,5	45	12
4158360	TDG532A10716	10,716	.4219	27/64	—	118	56	71	2,5	45	12
4158361	TDG532A10800	10,800	.4252	—	—	118	56	71	2,5	45	12
4158362	TDG532A10900	10,900	.4291	—	—	118	56	71	2,5	45	12
4158363	TDG532A11000	11,000	.4331	—	—	118	56	71	2,6	45	12
4158364	TDG532A11100	11,100	.4370	—	—	118	56	71	2,6	45	12
4158365	TDG532A11113	11,113	.4375	7/16	—	118	56	71	2,6	45	12
4158366	TDG532A11200	11,200	.4409	—	—	118	56	71	2,6	45	12
4158367	TDG532A11300	11,300	.4449	—	—	118	56	71	2,6	45	12
4158368	TDG532A11400	11,400	.4488	—	—	118	56	71	2,7	45	12
4158369	TDG532A11500	11,500	.4528	—	—	118	56	71	2,7	45	12
4158370	TDG532A11509	11,509	.4531	29/64	—	118	56	71	2,7	45	12
4158371	TDG532A11600	11,600	.4567	—	—	118	56	71	2,7	45	12
4158372	TDG532A11700	11,700	.4606	—	—	118	56	71	2,7	45	12
4158373	TDG532A11800	11,800	.4646	—	—	118	56	71	2,8	45	12
4158374	TDG532A11900	11,900	.4685	—	—	118	56	71	2,8	45	12
4158375	TDG532A11908	11,908	.4688	15/32	—	118	56	71	2,8	45	12
4158376	TDG532A12000	12,000	.4724	—	—	118	56	71	2,8	45	12
4158377	TDG532A12100	12,100	.4764	—	—	124	60	77	2,8	45	14
4158378	TDG532A12200	12,200	.4803	—	—	124	60	77	2,8	45	14
4158379	TDG532A12300	12,300	.4843	—	—	124	60	77	2,9	45	14
4158380	TDG532A12304	12,304	.4844	31/64	—	124	60	77	2,9	45	14
4158381	TDG532A12400	12,400	.4882	—	—	124	60	77	2,9	45	14
4158382	TDG532A12500	12,500	.4921	—	—	124	60	77	2,9	45	14
4158383	TDG532A12600	12,600	.4961	—	—	124	60	77	2,9	45	14
4158384	TDG532A12700	12,700	.5000	1/2	—	124	60	77	3,0	45	14
4158385	TDG532A12800	12,800	.5039	—	—	124	60	77	3,0	45	14
4158386	TDG532A12900	12,900	.5079	—	—	124	60	77	3,0	45	14
4158387	TDG532A13000	13,000	.5118	—	—	124	60	77	3,0	45	14
4158388	TDG532A13096	13,096	.5156	33/64	—	124	60	77	3,1	45	14
4158389	TDG532A13100	13,100	.5157	—	—	124	60	77	3,1	45	14

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(TDG532A • 5 x D — continued)



● first choice

○ alternate choice

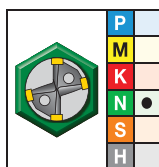
grade WN10HD

D1 diameter

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158390	TDG532A13200	13,200	.5197	—	—	124	60	77	3,1	45	14
4158391	TDG532A13300	13,300	.5236	—	—	124	60	77	3,1	45	14
4158392	TDG532A13400	13,400	.5276	—	—	124	60	77	3,1	45	14
4158448	TDG532A13490	13,490	.5311	—	—	124	60	77	3,1	45	14
4158393	TDG532A13500	13,500	.5315	—	—	124	60	77	3,1	45	14
4158394	TDG532A13600	13,600	.5354	—	—	124	60	77	3,2	45	14
4158395	TDG532A13700	13,700	.5394	—	—	124	60	77	3,2	45	14
4158396	TDG532A13800	13,800	.5433	—	—	124	60	77	3,2	45	14
4158397	TDG532A13891	13,891	.5469	35/64	—	124	60	77	3,2	45	14
4158398	TDG532A13900	13,900	.5472	—	—	124	60	77	3,2	45	14
4158399	TDG532A14000	14,000	.5512	—	—	124	60	77	3,3	45	14
4158400	TDG532A14100	14,100	.5551	—	—	133	63	83	3,3	48	16
4158401	TDG532A14200	14,200	.5591	—	—	133	63	83	3,3	48	16
4158402	TDG532A14288	14,288	.5625	9/16	—	133	63	83	3,3	48	16
4158403	TDG532A14300	14,300	.5630	—	—	133	63	83	3,3	48	16
4158404	TDG532A14400	14,400	.5669	—	—	133	63	83	3,4	48	16
4158405	TDG532A14500	14,500	.5709	—	—	133	63	83	3,4	48	16
4158406	TDG532A14600	14,600	.5748	—	—	133	63	83	3,4	48	16
4158407	TDG532A14684	14,684	.5781	37/64	—	133	63	83	3,4	48	16
4158408	TDG532A14700	14,700	.5787	—	—	133	63	83	3,4	48	16
4158409	TDG532A14800	14,800	.5827	—	—	133	63	83	3,5	48	16
4158410	TDG532A14900	14,900	.5866	—	—	133	63	83	3,5	48	16
4158411	TDG532A15000	15,000	.5906	—	—	133	63	83	3,5	48	16
4158412	TDG532A15083	15,083	.5938	19/32	—	133	63	83	3,5	48	16
4158413	TDG532A15100	15,100	.5945	—	—	133	63	83	3,5	48	16
4158414	TDG532A15200	15,200	.5984	—	—	133	63	83	3,5	48	16
4158415	TDG532A15300	15,300	.6024	—	—	133	63	83	3,6	48	16
4158416	TDG532A15400	15,400	.6063	—	—	133	63	83	3,6	48	16
4158417	TDG532A15479	15,479	.6094	39/64	—	133	63	83	3,6	48	16
4158418	TDG532A15500	15,500	.6102	—	—	133	63	83	3,6	48	16
4158419	TDG532A15600	15,600	.6142	—	—	133	63	83	3,6	48	16
4158420	TDG532A15700	15,700	.6181	—	—	133	63	83	3,7	48	16
4158421	TDG532A15800	15,800	.6220	—	—	133	63	83	3,7	48	16
4158422	TDG532A15875	15,875	.6250	5/8	—	133	63	83	3,7	48	16
4158423	TDG532A15900	15,900	.6260	—	—	133	63	83	3,7	48	16
4158424	TDG532A16000	16,000	.6299	—	—	133	63	83	3,7	48	16
4158425	TDG532A16100	16,100	.6339	—	—	143	71	93	3,8	48	18
4158426	TDG532A16200	16,200	.6378	—	—	143	71	93	3,8	48	18
4158427	TDG532A16271	16,271	.6406	41/64	—	143	71	93	3,8	48	18
4158428	TDG532A16300	16,300	.6417	—	—	143	71	93	3,8	48	18

(continued)

(TDG532A • 5 x D — continued)



- first choice
- alternate choice

grade WN10HD		D1 diameter									
order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158429	TDG532A16400	16,400	.6457	—	—	143	71	93	3,8	48	18
4158430	TDG532A16500	16,500	.6496	—	—	143	71	93	3,8	48	18
4158431	TDG532A16600	16,600	.6535	—	—	143	71	93	3,9	48	18
4158432	TDG532A16670	16,670	.6563	21/32	—	143	71	93	3,9	48	18
4158433	TDG532A16700	16,700	.6575	—	—	143	71	93	3,9	48	18
4158434	TDG532A16800	16,800	.6614	—	—	143	71	93	3,9	48	18
4158435	TDG532A16900	16,900	.6654	—	—	143	71	93	3,9	48	18
4158436	TDG532A17000	17,000	.6693	—	—	143	71	93	4,0	48	18
4158437	TDG532A17100	17,100	.6732	—	—	143	71	93	4,0	48	18
4158438	TDG532A17200	17,200	.6772	—	—	143	71	93	4,0	48	18
4158439	TDG532A17300	17,300	.6811	—	—	143	71	93	4,0	48	18
4158440	TDG532A17400	17,400	.6850	—	—	143	71	93	4,1	48	18
4158441	TDG532A17463	17,463	.6875	11/16	—	143	71	93	4,1	48	18
4158442	TDG532A17500	17,500	.6890	—	—	143	71	93	4,1	48	18
4158443	TDG532A17600	17,600	.6929	—	—	143	71	93	4,1	48	18
4158444	TDG532A17700	17,700	.6969	—	—	143	71	93	4,1	48	18
4158445	TDG532A17800	17,800	.7008	—	—	143	71	93	4,2	48	18
4158446	TDG532A17859	17,859	.7031	45/64	—	143	71	93	4,2	48	18
4158447	TDG532A17900	17,900	.7047	—	—	143	71	93	4,2	48	18
4158555	TDG532A18000	18,000	.7087	—	—	143	71	93	4,2	48	18
4158557	TDG532A18100	18,100	.7126	—	—	153	77	101	4,2	50	20
4158559	TDG532A18200	18,200	.7165	—	—	153	77	101	4,2	50	20
4158561	TDG532A18258	18,258	.7188	23/32	—	153	77	101	4,3	50	20
4158573	TDG532A18300	18,300	.7205	—	—	153	77	101	4,3	50	20
4158575	TDG532A18400	18,400	.7244	—	—	153	77	101	4,3	50	20
4158577	TDG532A18500	18,500	.7283	—	—	153	77	101	4,3	50	20
4158579	TDG532A18600	18,600	.7323	—	—	153	77	101	4,3	50	20
4158581	TDG532A18654	18,654	.7344	47/64	—	153	77	101	4,3	50	20
4158584	TDG532A18700	18,700	.7362	—	—	153	77	101	4,4	50	20
4158585	TDG532A18800	18,800	.7402	—	—	153	77	101	4,4	50	20
4158587	TDG532A18900	18,900	.7441	—	—	153	77	101	4,4	50	20
4158589	TDG532A19000	19,000	.7480	—	—	153	77	101	4,4	50	20
4158591	TDG532A19050	19,050	.7500	3/4	—	153	77	101	4,4	50	20
4158603	TDG532A19100	19,100	.7520	—	—	153	77	101	4,5	50	20
4158605	TDG532A19200	19,200	.7559	—	—	153	77	101	4,5	50	20
4158607	TDG532A19300	19,300	.7598	—	—	153	77	101	4,5	50	20
4158609	TDG532A19400	19,400	.7638	—	—	153	77	101	4,5	50	20
4158611	TDG532A19500	19,500	.7677	—	—	153	77	101	4,5	50	20
4158613	TDG532A19600	19,600	.7717	—	—	153	77	101	4,6	50	20
4158616	TDG532A19700	19,700	.7756	—	—	153	77	101	4,6	50	20

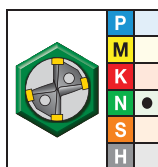
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Solid Carbide Drills

TOP DRILL G™ • Non-Ferrous Materials • 5 x D



(TDG532A • 5 x D — continued)

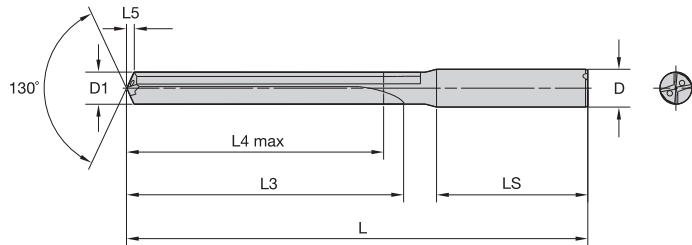


grade WN10HD

D1 diameter

- first choice
- alternate choice

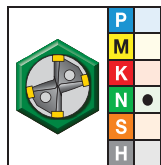
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4158618	TDG532A19800	19,800	.7795	—	—	153	77	101	4,6	50	20
4158620	TDG532A19900	19,900	.7835	—	—	153	77	101	4,6	50	20
4158622	TDG532A20000	20,000	.7874	—	—	153	77	101	4,7	50	20
4158634	TDG532A21000	21,000	.8268	—	—	167	85	114	4,9	50	20
4158636	TDG532A22000	22,000	.8661	—	—	167	85	114	5,1	50	20
4158637	TDG532A23000	23,000	.9055	—	—	184	98	126	5,4	56	25



For information on L, L3, and L4 max, see page R133.



■ TDG533A • 8 x D



grade WN10HD

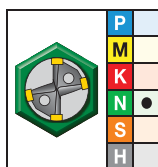
D1 diameter

- first choice
- alternate choice

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158475	TDG533A03000	3,000	.1181	—	—	78	33	40	0,7	36	6
4158476	TDG533A03048	3,048	.1200	—	31	78	33	40	0,7	36	6
4158477	TDG533A03100	3,100	.1220	—	—	78	33	40	0,7	36	6
4158478	TDG533A03175	3,175	.1250	1/8	—	78	33	40	0,7	36	6
4158479	TDG533A03200	3,200	.1260	—	—	78	33	40	0,7	36	6
4158480	TDG533A03264	3,264	.1285	—	30	78	33	40	0,8	36	6
4158481	TDG533A03300	3,300	.1299	—	—	78	33	40	0,8	36	6
4158482	TDG533A03400	3,400	.1339	—	—	78	33	40	0,8	36	6
4158553	TDG533A03455	3,455	.1360	—	29	78	33	40	0,8	36	6
4158554	TDG533A03500	3,500	.1378	—	—	78	33	40	0,8	36	6
4158556	TDG533A03571	3,571	.1406	9/64	—	78	33	40	0,8	36	6
4158558	TDG533A03600	3,600	.1417	—	—	78	33	40	0,8	36	6
4158560	TDG533A03658	3,658	.1440	—	27	78	33	40	0,9	36	6
4158562	TDG533A03700	3,700	.1457	—	—	78	33	40	0,9	36	6
4158574	TDG533A03734	3,734	.1470	—	26	78	33	40	0,9	36	6
4158576	TDG533A03800	3,800	.1496	—	—	87	41	49	0,9	36	6
4158578	TDG533A03900	3,900	.1535	—	—	87	41	49	0,9	36	6
4158580	TDG533A03970	3,970	.1563	5/32	—	87	41	49	0,9	36	6
4158582	TDG533A04000	4,000	.1575	—	—	87	41	49	0,9	36	6
4158583	TDG533A04039	4,039	.1590	—	21	87	41	49	0,9	36	6
4158586	TDG533A04090	4,090	.1610	—	20	87	41	49	1,0	36	6
4158588	TDG533A04100	4,100	.1614	—	—	87	41	49	1,0	36	6
4158590	TDG533A04200	4,200	.1654	—	—	87	41	49	1,0	36	6
4158592	TDG533A04217	4,217	.1660	—	19	87	41	49	1,0	36	6

(continued)

(TDG533A • 8 x D — continued)



● first choice

○ alternate choice

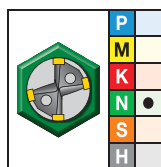
grade WN10HD

D1 diameter

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158604	TDG533A04300	4,300	.1693	—	—	87	41	49	1,0	36	6
4158606	TDG533A04366	4,366	.1719	11/64	—	87	41	49	1,0	36	6
4158608	TDG533A04400	4,400	.1732	—	—	87	41	49	1,0	36	6
4158610	TDG533A04500	4,500	.1772	—	—	87	41	49	1,0	36	6
4158612	TDG533A04600	4,600	.1811	—	—	87	41	49	1,1	36	6
4158614	TDG533A04623	4,623	.1820	—	14	87	41	49	1,1	36	6
4158615	TDG533A04700	4,700	.1850	—	13	87	41	49	1,1	36	6
4158617	TDG533A04763	4,763	.1875	3/16	—	94	48	56	1,1	36	6
4158619	TDG533A04800	4,800	.1890	—	12	94	48	56	1,1	36	6
4158621	TDG533A04852	4,852	.1910	—	11	94	48	56	1,1	36	6
4158633	TDG533A04900	4,900	.1929	—	—	94	48	56	1,1	36	6
4158635	TDG533A05000	5,000	.1969	—	—	94	48	56	1,2	36	6
4158638	TDG533A05100	5,100	.2008	—	—	94	48	56	1,2	36	6
4158639	TDG533A05106	5,106	.2010	—	7	94	48	56	1,2	36	6
4158640	TDG533A05159	5,159	.2031	13/64	—	94	48	56	1,2	36	6
4158641	TDG533A05200	5,200	.2047	—	—	94	48	56	1,2	36	6
4158642	TDG533A05300	5,300	.2087	—	—	94	48	56	1,2	36	6
4158653	TDG533A05400	5,400	.2126	—	—	94	48	56	1,3	36	6
4158654	TDG533A05410	5,410	.2130	—	3	94	48	56	1,3	36	6
4158655	TDG533A05500	5,500	.2165	—	—	94	48	56	1,3	36	6
4158656	TDG533A05558	5,558	.2188	7/32	—	94	48	56	1,3	36	6
4158657	TDG533A05600	5,600	.2205	—	—	94	48	56	1,3	36	6
4158658	TDG533A05616	5,616	.2211	—	2	94	48	56	1,3	36	6
4158659	TDG533A05700	5,700	.2244	—	—	94	48	56	1,3	36	6
4158660	TDG533A05800	5,800	.2283	—	—	94	48	56	1,4	36	6
4158661	TDG533A05900	5,900	.2323	—	—	94	48	56	1,4	36	6
4158662	TDG533A05954	5,954	.2344	15/64	—	94	48	56	1,4	36	6
4158673	TDG533A06000	6,000	.2362	—	—	94	48	56	1,4	36	6
4158674	TDG533A06100	6,100	.2402	—	—	105	57	67	1,4	36	8
4158675	TDG533A06200	6,200	.2441	—	—	105	57	67	1,4	36	8
4158676	TDG533A06300	6,300	.2480	—	—	105	57	67	1,5	36	8
4158677	TDG533A06350	6,350	.2500	1/4	E	105	57	67	1,5	36	8
4158678	TDG533A06400	6,400	.2520	—	—	105	57	67	1,5	36	8
4158679	TDG533A06500	6,500	.2559	—	—	105	57	67	1,5	36	8
4158680	TDG533A06528	6,528	.2570	—	F	105	57	67	1,5	36	8
4158681	TDG533A06600	6,600	.2598	—	—	105	57	67	1,5	36	8
4158682	TDG533A06630	6,630	.2610	—	G	105	57	67	1,5	36	8
4158693	TDG533A06700	6,700	.2638	—	—	105	57	67	1,6	36	8
4158694	TDG533A06746	6,746	.2656	17/64	—	105	57	67	1,6	36	8
4158695	TDG533A06800	6,800	.2677	—	—	105	57	67	1,6	36	8

(continued)

(TDG533A • 8 x D — continued)



grade WN10HD

D1 diameter

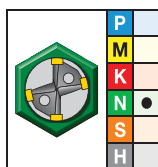
● first choice

○ alternate choice

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158696	TDG533A06900	6,900	.2717	—	—	105	57	67	1,6	36	8
4158697	TDG533A07000	7,000	.2756	—	—	105	57	67	1,6	36	8
4158698	TDG533A07100	7,100	.2795	—	—	110	61	72	1,7	36	8
4158699	TDG533A07145	7,145	.2813	9/32	—	110	61	72	1,7	36	8
4158700	TDG533A07200	7,200	.2835	—	—	110	61	72	1,7	36	8
4158701	TDG533A07300	7,300	.2874	—	—	110	61	72	1,7	36	8
4158702	TDG533A07400	7,400	.2913	—	—	110	61	72	1,7	36	8
4158713	TDG533A07500	7,500	.2953	—	—	110	61	72	1,7	36	8
4158714	TDG533A07541	7,541	.2969	19/64	—	110	61	72	1,8	36	8
4158715	TDG533A07600	7,600	.2992	—	—	110	61	72	1,8	36	8
4158716	TDG533A07700	7,700	.3031	—	—	110	61	72	1,8	36	8
4158717	TDG533A07800	7,800	.3071	—	—	110	61	72	1,8	36	8
4158718	TDG533A07900	7,900	.3110	—	—	110	61	72	1,8	36	8
4158719	TDG533A07938	7,938	.3125	5/16	—	110	61	72	1,9	36	8
4158720	TDG533A08000	8,000	.3150	—	—	110	61	72	1,9	36	8
4158721	TDG533A08100	8,100	.3189	—	—	122	68	80	1,9	40	10
4158722	TDG533A08200	8,200	.3228	—	—	122	68	80	1,9	40	10
4158733	TDG533A08300	8,300	.3268	—	—	122	68	80	1,9	40	10
4158734	TDG533A08334	8,334	.3281	21/64	—	122	68	80	1,9	40	10
4158735	TDG533A08400	8,400	.3307	—	—	122	68	80	2,0	40	10
4158736	TDG533A08433	8,433	.3320	—	Q	122	68	80	2,0	40	10
4158737	TDG533A08500	8,500	.3346	—	—	122	68	80	2,0	40	10
4158738	TDG533A08600	8,600	.3386	—	—	122	68	80	2,0	40	10
4158739	TDG533A08700	8,700	.3425	—	—	122	68	80	2,0	40	10
4158740	TDG533A08733	8,733	.3438	11/32	—	122	68	80	2,0	40	10
4158741	TDG533A08800	8,800	.3465	—	—	122	68	80	2,1	40	10
4158742	TDG533A08900	8,900	.3504	—	—	122	68	80	2,1	40	10
4158743	TDG533A09000	9,000	.3543	—	—	122	68	80	2,1	40	10
4158744	TDG533A09100	9,100	.3583	—	—	122	68	80	2,1	40	10
4158745	TDG533A09129	9,129	.3594	23/64	—	122	68	80	2,1	40	10
4158746	TDG533A09200	9,200	.3622	—	—	122	68	80	2,1	40	10
4158747	TDG533A09300	9,300	.3661	—	—	122	68	80	2,2	40	10
4158748	TDG533A09347	9,347	.3680	—	U	122	68	80	2,2	40	10
4158749	TDG533A09400	9,400	.3701	—	—	122	68	80	2,2	40	10
4158750	TDG533A09500	9,500	.3740	—	—	122	68	80	2,2	40	10
4158751	TDG533A09525	9,525	.3750	3/8	—	122	68	80	2,2	40	10
4158752	TDG533A09600	9,600	.3780	—	—	122	68	80	2,2	40	10
4158753	TDG533A09700	9,700	.3819	—	—	122	68	80	2,3	40	10
4158754	TDG533A09800	9,800	.3858	—	—	122	68	80	2,3	40	10
4158755	TDG533A09900	9,900	.3898	—	—	122	68	80	2,3	40	10

(continued)

(TDG533A • 8 x D — continued)



● first choice

○ alternate choice

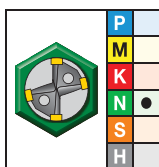
grade WN10HD

D1 diameter

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158756	TDG533A09921	9,921	.3906	25/64	—	122	68	80	2,3	40	10
4158520	TDG533A10000	10,000	.3937	—	—	122	68	80	2,3	40	10
4158521	TDG533A10100	10,100	.3976	—	—	141	79	94	2,4	45	12
4158522	TDG533A10200	10,200	.4016	—	—	141	79	94	2,4	45	12
4158533	TDG533A10300	10,300	.4055	—	—	141	79	94	2,4	45	12
4158534	TDG533A10320	10,320	.4063	13/32	—	141	79	94	2,4	45	12
4158535	TDG533A10400	10,400	.4094	—	—	141	79	94	2,4	45	12
4158536	TDG533A10500	10,500	.4134	—	—	141	79	94	2,4	45	12
4158537	TDG533A10600	10,600	.4173	—	—	141	79	94	2,5	45	12
4158538	TDG533A10700	10,700	.4213	—	—	141	79	94	2,5	45	12
4158539	TDG533A10716	10,716	.4219	27/64	—	141	79	94	2,5	45	12
4158540	TDG533A10800	10,800	.4252	—	—	141	79	94	2,5	45	12
4158541	TDG533A10900	10,900	.4291	—	—	141	79	94	2,5	45	12
4158542	TDG533A11000	11,000	.4331	—	—	141	79	94	2,6	45	12
4158543	TDG533A11100	11,100	.4370	—	—	141	79	94	2,6	45	12
4158544	TDG533A11113	11,113	.4375	7/16	—	141	79	94	2,6	45	12
4158545	TDG533A11200	11,200	.4409	—	—	141	79	94	2,6	45	12
4158546	TDG533A11300	11,300	.4449	—	—	141	79	94	2,6	45	12
4158547	TDG533A11400	11,400	.4488	—	—	141	79	94	2,7	45	12
4158548	TDG533A11500	11,500	.4528	—	—	141	79	94	2,7	45	12
4158549	TDG533A11509	11,509	.4531	29/64	—	141	79	94	2,7	45	12
4158550	TDG533A11600	11,600	.4567	—	—	141	79	94	2,7	45	12
4158551	TDG533A11700	11,700	.4606	—	—	141	79	94	2,7	45	12
4158552	TDG533A11800	11,800	.4646	—	—	141	79	94	2,8	45	12
4158563	TDG533A11900	11,900	.4685	—	—	141	79	94	2,8	45	12
4158564	TDG533A11908	11,908	.4688	15/32	—	141	79	94	2,8	45	12
4158565	TDG533A12000	12,000	.4724	—	—	141	79	94	2,8	45	12
4158566	TDG533A12100	12,100	.4764	—	—	155	91	108	2,8	45	14
4158567	TDG533A12200	12,200	.4803	—	—	155	91	108	2,8	45	14
4158568	TDG533A12300	12,300	.4843	—	—	155	91	108	2,9	45	14
4158569	TDG533A12304	12,304	.4844	31/64	—	155	91	108	2,9	45	14
4158570	TDG533A12400	12,400	.4882	—	—	155	91	108	2,9	45	14
4158571	TDG533A12500	12,500	.4921	—	—	155	91	108	2,9	45	14
4158572	TDG533A12600	12,600	.4961	—	—	155	91	108	2,9	45	14
4158593	TDG533A12700	12,700	.5000	1/2	—	155	91	108	3,0	45	14
4158594	TDG533A12800	12,800	.5039	—	—	155	91	108	3,0	45	14
4158595	TDG533A12900	12,900	.5079	—	—	155	91	108	3,0	45	14
4158596	TDG533A13000	13,000	.5118	—	—	155	91	108	3,0	45	14
4158597	TDG533A13096	13,096	.5156	33/64	—	155	91	108	3,1	45	14
4158598	TDG533A13100	13,100	.5157	—	—	155	91	108	3,1	45	14

(continued)

(TDG533A • 8 x D — continued)

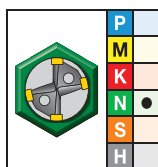


- first choice
- alternate choice

grade WN10HD		D1 diameter									
order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158599	TDG533A13200	13,200	.5197	—	—	155	91	108	3,1	45	14
4158600	TDG533A13300	13,300	.5236	—	—	155	91	108	3,1	45	14
4158601	TDG533A13400	13,400	.5276	—	—	155	91	108	3,1	45	14
4158727	TDG533A13490	13,490	.5311	—	—	155	91	108	3,1	45	14
4158602	TDG533A13500	13,500	.5315	—	—	155	91	108	3,1	45	14
4158623	TDG533A13600	13,600	.5354	—	—	155	91	108	3,2	45	14
4158624	TDG533A13700	13,700	.5394	—	—	155	91	108	3,2	45	14
4158625	TDG533A13800	13,800	.5433	—	—	155	91	108	3,2	45	14
4158626	TDG533A13891	13,891	.5469	35/64	—	155	91	108	3,2	45	14
4158627	TDG533A13900	13,900	.5472	—	—	155	91	108	3,2	45	14
4158628	TDG533A14000	14,000	.5512	—	—	155	91	108	3,3	45	14
4158629	TDG533A14100	14,100	.5551	—	—	171	101	121	3,3	48	16
4158630	TDG533A14200	14,200	.5591	—	—	171	101	121	3,3	48	16
4158631	TDG533A14288	14,288	.5625	9/16	—	171	101	121	3,3	48	16
4158632	TDG533A14300	14,300	.5630	—	—	171	101	121	3,3	48	16
4158643	TDG533A14400	14,400	.5669	—	—	171	101	121	3,4	48	16
4158644	TDG533A14500	14,500	.5709	—	—	171	101	121	3,4	48	16
4158645	TDG533A14600	14,600	.5748	—	—	171	101	121	3,4	48	16
4158646	TDG533A14684	14,684	.5781	37/64	—	171	101	121	3,4	48	16
4158647	TDG533A14700	14,700	.5787	—	—	171	101	121	3,4	48	16
4158648	TDG533A14800	14,800	.5827	—	—	171	101	121	3,5	48	16
4158649	TDG533A14900	14,900	.5866	—	—	171	101	121	3,5	48	16
4158650	TDG533A15000	15,000	.5906	—	—	171	101	121	3,5	48	16
4158651	TDG533A15083	15,083	.5938	19/32	—	171	101	121	3,5	48	16
4158652	TDG533A15100	15,100	.5945	—	—	171	101	121	3,5	48	16
4158663	TDG533A15200	15,200	.5984	—	—	171	101	121	3,5	48	16
4158664	TDG533A15300	15,300	.6024	—	—	171	101	121	3,6	48	16
4158665	TDG533A15400	15,400	.6063	—	—	171	101	121	3,6	48	16
4158666	TDG533A15479	15,479	.6094	39/64	—	171	101	121	3,6	48	16
4158667	TDG533A15500	15,500	.6102	—	—	171	101	121	3,6	48	16
4158668	TDG533A15600	15,600	.6142	—	—	171	101	121	3,6	48	16
4158669	TDG533A15700	15,700	.6181	—	—	171	101	121	3,7	48	16
4158670	TDG533A15800	15,800	.6220	—	—	171	101	121	3,7	48	16
4158671	TDG533A15875	15,875	.6250	5/8	—	171	101	121	3,7	48	16
4158672	TDG533A15900	15,900	.6260	—	—	171	101	121	3,7	48	16
4158683	TDG533A16000	16,000	.6299	—	—	171	101	121	3,7	48	16
4158684	TDG533A16100	16,100	.6339	—	—	185	113	135	3,8	48	18
4158685	TDG533A16200	16,200	.6378	—	—	185	113	135	3,8	48	18
4158686	TDG533A16271	16,271	.6406	41/64	—	185	113	135	3,8	48	18
4158687	TDG533A16300	16,300	.6417	—	—	185	113	135	3,8	48	18

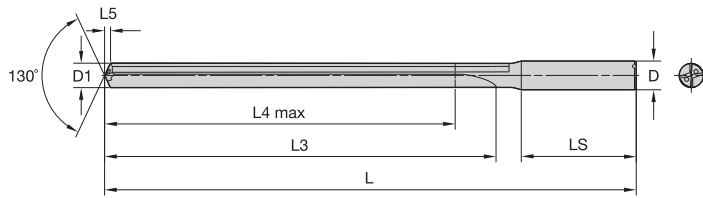
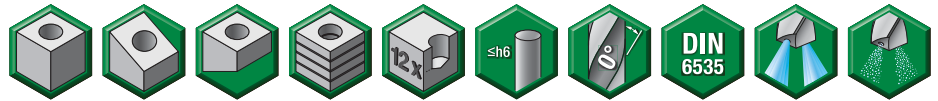
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(TDG533A • 8 x D — continued)



- first choice
○ alternate choice

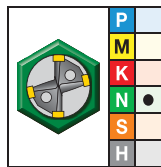
grade WN10HD		D1 diameter									
order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4158688	TDG533A16400	16,400	.6457	—	—	185	113	135	3,8	48	18
4158689	TDG533A16500	16,500	.6496	—	—	185	113	135	3,8	48	18
4158690	TDG533A16600	16,600	.6535	—	—	185	113	135	3,9	48	18
4158691	TDG533A16670	16,670	.6563	21/32	—	185	113	135	3,9	48	18
4158692	TDG533A16700	16,700	.6575	—	—	185	113	135	3,9	48	18
4158703	TDG533A16800	16,800	.6614	—	—	185	113	135	3,9	48	18
4158704	TDG533A16900	16,900	.6654	—	—	185	113	135	3,9	48	18
4158705	TDG533A17000	17,000	.6693	—	—	185	113	135	4,0	48	18
4158706	TDG533A17100	17,100	.6732	—	—	185	113	135	4,0	48	18
4158707	TDG533A17200	17,200	.6772	—	—	185	113	135	4,0	48	18
4158708	TDG533A17300	17,300	.6811	—	—	185	113	135	4,0	48	18
4158709	TDG533A17400	17,400	.6850	—	—	185	113	135	4,1	48	18
4158710	TDG533A17463	17,463	.6875	11/16	—	185	113	135	4,1	48	18
4158711	TDG533A17500	17,500	.6890	—	—	185	113	135	4,1	48	18
4158712	TDG533A17600	17,600	.6929	—	—	185	113	135	4,1	48	18
4158723	TDG533A17700	17,700	.6969	—	—	185	113	135	4,1	48	18
4158724	TDG533A17800	17,800	.7008	—	—	185	113	135	4,2	48	18
4158725	TDG533A17859	17,859	.7031	45/64	—	185	113	135	4,2	48	18
4158726	TDG533A17900	17,900	.7047	—	—	185	113	135	4,2	48	18
4157333	TDG533A18000	18,000	.7087	—	—	185	113	135	4,2	48	18
4157334	TDG533A18100	18,100	.7126	—	—	200	124	148	4,2	50	20
4157335	TDG533A18200	18,200	.7165	—	—	200	124	148	4,2	50	20
4157336	TDG533A18258	18,258	.7188	23/32	—	200	124	148	4,3	50	20
4157337	TDG533A18300	18,300	.7205	—	—	200	124	148	4,3	50	20
4157338	TDG533A18400	18,400	.7244	—	—	200	124	148	4,3	50	20
4157339	TDG533A18500	18,500	.7283	—	—	200	124	148	4,3	50	20
4157340	TDG533A18600	18,600	.7323	—	—	200	124	148	4,3	50	20
4157341	TDG533A18654	18,654	.7344	47/64	—	200	124	148	4,3	50	20
4157342	TDG533A18700	18,700	.7362	—	—	200	124	148	4,4	50	20
4157343	TDG533A18800	18,800	.7402	—	—	200	124	148	4,4	50	20
4157344	TDG533A18900	18,900	.7441	—	—	200	124	148	4,4	50	20
4157345	TDG533A19000	19,000	.7480	—	—	200	124	148	4,4	50	20
4157346	TDG533A19050	19,050	.7500	3/4	—	200	124	148	4,4	50	20
4157347	TDG533A19100	19,100	.7520	—	—	200	124	148	4,5	50	20
4157348	TDG533A19200	19,200	.7559	—	—	200	124	148	4,5	50	20
4157349	TDG533A19300	19,300	.7598	—	—	200	124	148	4,5	50	20
4157350	TDG533A19400	19,400	.7638	—	—	200	124	148	4,5	50	20
4157351	TDG533A19500	19,500	.7677	—	—	200	124	148	4,5	50	20
4157352	TDG533A19600	19,600	.7717	—	—	200	124	148	4,6	50	20
4157353	TDG533A19700	19,700	.7756	—	—	200	124	148	4,6	50	20
4157354	TDG533A19800	19,800	.7795	—	—	200	124	148	4,6	50	20
4157355	TDG533A19900	19,900	.7835	—	—	200	124	148	4,6	50	20
4157356	TDG533A20000	20,000	.7874	—	—	200	124	148	4,7	50	20



For information on L, L3, and L4 max, see page R133.



■ TDG534A • 12 x D



grade WN10HD

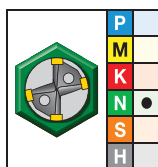
D1 diameter

- first choice
- alternate choice

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4157357	TDG534A03000	3,000	.1181	—	—	93	44	55	0,7	36	6
4157358	TDG534A03048	3,048	.1200	—	31	93	44	55	0,7	36	6
4157359	TDG534A03100	3,100	.1220	—	—	93	44	55	0,7	36	6
4157360	TDG534A03175	3,175	.1250	1/8	—	93	44	55	0,7	36	6
4157361	TDG534A03200	3,200	.1260	—	—	93	43	55	0,7	36	6
4157362	TDG534A03264	3,264	.1285	—	30	93	44	55	0,8	36	6
4157363	TDG534A03300	3,300	.1299	—	—	93	44	55	0,8	36	6
4157364	TDG534A03400	3,400	.1339	—	—	93	44	55	0,8	36	6
4157365	TDG534A03455	3,455	.1360	—	29	93	44	55	0,8	36	6
4157366	TDG534A03500	3,500	.1378	—	—	93	44	55	0,8	36	6
4157367	TDG534A03571	3,571	.1406	9/64	—	93	45	55	0,8	36	6
4157368	TDG534A03600	3,600	.1417	—	—	93	45	55	0,8	36	6
4157369	TDG534A03658	3,658	.1440	—	27	93	45	55	0,9	36	6
4157370	TDG534A03700	3,700	.1457	—	—	93	45	55	0,9	36	6
4157371	TDG534A03734	3,734	.1470	—	26	93	45	55	0,9	36	6
4157372	TDG534A03800	3,800	.1496	—	—	107	55	69	0,9	36	6
4157373	TDG534A03900	3,900	.1535	—	—	107	56	69	0,9	36	6
4157374	TDG534A03970	3,970	.1563	5/32	—	107	56	69	0,9	36	6
4157375	TDG534A04000	4,000	.1575	—	—	107	56	69	0,9	36	6
4157376	TDG534A04039	4,039	.1590	—	21	107	56	69	0,9	36	6
4157377	TDG534A04090	4,090	.1610	—	20	107	55	69	1,0	36	6
4157378	TDG534A04100	4,100	.1614	—	—	107	55	69	1,0	36	6
4157379	TDG534A04200	4,200	.1654	—	—	107	56	69	1,0	36	6
4157380	TDG534A04217	4,217	.1660	—	19	107	56	69	1,0	36	6

(continued)

(TDG534A • 12 x D — continued)



- first choice
○ alternate choice

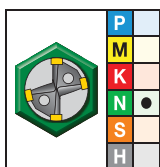
D1 diameter

grade WN10HD

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4157381	TDG534A04300	4,300	.1693	—	—	107	56	69	1,0	36	6
4157382	TDG534A04366	4,366	.1719	11/64	—	107	56	69	1,0	36	6
4157383	TDG534A04400	4,400	.1732	—	—	107	56	69	1,0	36	6
4157384	TDG534A04500	4,500	.1772	—	—	107	56	69	1,0	36	6
4157385	TDG534A04600	4,600	.1811	—	—	107	57	69	1,1	36	6
4157386	TDG534A04623	4,623	.1820	—	14	107	57	69	1,1	36	6
4157387	TDG534A04700	4,700	.1850	—	13	107	57	69	1,1	36	6
4157388	TDG534A04763	4,763	.1875	3/16	—	125	69	87	1,1	36	6
4157389	TDG534A04800	4,800	.1890	—	12	125	69	87	1,1	36	6
4157390	TDG534A04852	4,852	.1910	—	11	125	69	87	1,1	36	6
4157391	TDG534A04900	4,900	.1929	—	—	125	69	87	1,1	36	6
4157392	TDG534A05000	5,000	.1969	—	—	125	70	87	1,2	36	6
4157393	TDG534A05100	5,100	.2008	—	—	125	70	87	1,2	36	6
4157394	TDG534A05106	5,106	.2010	—	7	125	70	87	1,2	36	6
4157395	TDG534A05159	5,159	.2031	13/64	—	125	70	87	1,2	36	6
4157396	TDG534A05200	5,200	.2047	—	—	125	70	87	1,2	36	6
4157397	TDG534A05300	5,300	.2087	—	—	125	71	87	1,2	36	6
4157398	TDG534A05400	5,400	.2126	—	—	125	71	87	1,3	36	6
4157399	TDG534A05410	5,410	.2130	—	3	125	71	87	1,3	36	6
4157400	TDG534A05500	5,500	.2165	—	—	125	71	87	1,3	36	6
4157401	TDG534A05558	5,558	.2188	7/32	—	125	71	87	1,3	36	6
4157402	TDG534A05600	5,600	.2205	—	—	125	72	87	1,3	36	6
4157403	TDG534A05616	5,616	.2211	—	2	125	72	87	1,3	36	6
4157404	TDG534A05700	5,700	.2244	—	—	125	72	87	1,3	36	6
4157405	TDG534A05800	5,800	.2283	—	—	125	71	87	1,4	36	6
4157406	TDG534A05900	5,900	.2323	—	—	125	71	87	1,4	36	6
4157407	TDG534A05954	5,954	.2344	15/64	—	125	72	87	1,4	36	6
4157408	TDG534A06000	6,000	.2362	—	—	125	72	87	1,4	36	6
4157409	TDG534A06100	6,100	.2402	—	—	139	82	101	1,4	36	8
4157410	TDG534A06200	6,200	.2441	—	—	139	82	101	1,4	36	8
4157411	TDG534A06300	6,300	.2480	—	—	139	83	101	1,5	36	8
4157412	TDG534A06350	6,350	.2500	1/4	E	139	83	101	1,5	36	8
4157413	TDG534A06400	6,400	.2520	—	—	139	83	101	1,5	36	8
4157414	TDG534A06500	6,500	.2559	—	—	139	83	101	1,5	36	8
4157415	TDG534A06528	6,528	.2570	—	F	139	83	101	1,5	36	8
4157416	TDG534A06600	6,600	.2598	—	—	139	84	101	1,5	36	8
4157417	TDG534A06630	6,630	.2610	—	G	139	84	101	1,5	36	8
4157418	TDG534A06700	6,700	.2638	—	—	139	84	101	1,6	36	8
4157419	TDG534A06746	6,746	.2656	17/64	—	139	83	101	1,6	36	8
4157420	TDG534A06800	6,800	.2677	—	—	139	83	101	1,6	36	8

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(TDG534A • 12 x D — continued)



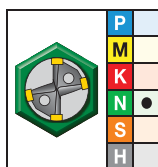
grade WN10HD

D1 diameter

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4157421	TDG534A06900	6,900	.2717	—	—	139	83	101	1,6	36	8
4157422	TDG534A07000	7,000	.2756	—	—	139	84	101	1,6	36	8
4157423	TDG534A07100	7,100	.2795	—	—	153	94	115	1,7	36	8
4157424	TDG534A07145	7,145	.2813	9/32	—	153	94	115	1,7	36	8
4157425	TDG534A07200	7,200	.2835	—	—	153	94	115	1,7	36	8
4157426	TDG534A07300	7,300	.2874	—	—	153	95	115	1,7	36	8
4157427	TDG534A07400	7,400	.2913	—	—	153	95	115	1,7	36	8
4157428	TDG534A07500	7,500	.2953	—	—	153	95	115	1,7	36	8
4157429	TDG534A07541	7,541	.2969	19/64	—	153	95	115	1,8	36	8
4157430	TDG534A07600	7,600	.2992	—	—	153	96	115	1,8	36	8
4157431	TDG534A07700	7,700	.3031	—	—	153	96	115	1,8	36	8
4157432	TDG534A07800	7,800	.3071	—	—	153	95	115	1,8	36	8
4157433	TDG534A07900	7,900	.3110	—	—	153	95	115	1,8	36	8
4157434	TDG534A07938	7,938	.3125	5/16	—	153	96	115	1,9	36	8
4157435	TDG534A08000	8,000	.3150	—	—	153	96	115	1,9	36	8
4157436	TDG534A08100	8,100	.3189	—	—	185	116	143	1,9	40	10
4157437	TDG534A08200	8,200	.3228	—	—	185	116	143	1,9	40	10
4157438	TDG534A08300	8,300	.3268	—	—	185	117	143	1,9	40	10
4157439	TDG534A08334	8,334	.3281	21/64	—	185	117	143	1,9	40	10
4157440	TDG534A08400	8,400	.3307	—	—	185	117	143	2,0	40	10
4157441	TDG534A08433	8,433	.3320	—	Q	185	117	143	2,0	40	10
4157442	TDG534A08500	8,500	.3346	—	—	185	117	143	2,0	40	10
4157443	TDG534A08600	8,600	.3386	—	—	185	118	143	2,0	40	10
4157444	TDG534A08700	8,700	.3425	—	—	185	118	143	2,0	40	10
4157445	TDG534A08733	8,733	.3438	11/32	—	185	117	143	2,0	40	10
4157446	TDG534A08800	8,800	.3465	—	—	185	117	143	2,1	40	10
4157447	TDG534A08900	8,900	.3504	—	—	185	117	143	2,1	40	10
4157448	TDG534A09000	9,000	.3543	—	—	185	118	143	2,1	40	10
4157449	TDG534A09100	9,100	.3583	—	—	185	118	143	2,1	40	10
4157450	TDG534A09129	9,129	.3594	23/64	—	185	118	143	2,1	40	10
4157451	TDG534A09200	9,200	.3622	—	—	185	118	143	2,1	40	10
4157452	TDG534A09300	9,300	.3661	—	—	185	119	143	2,2	40	10
4157453	TDG534A09347	9,347	.3680	—	U	185	119	143	2,2	40	10
4157454	TDG534A09400	9,400	.3701	—	—	185	119	143	2,2	40	10
4157455	TDG534A09500	9,500	.3740	—	—	185	119	143	2,2	40	10
4157456	TDG534A09525	9,525	.3750	3/8	—	185	119	143	2,2	40	10
4157457	TDG534A09600	9,600	.3780	—	—	185	120	143	2,2	40	10
4157458	TDG534A09700	9,700	.3819	—	—	185	120	143	2,3	40	10
4157459	TDG534A09800	9,800	.3858	—	—	185	119	143	2,3	40	10
4157460	TDG534A09900	9,900	.3898	—	—	185	119	143	2,3	40	10

(continued)

(TDG534A • 12 x D — continued)



- first choice
○ alternate choice

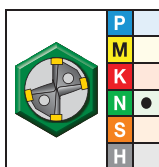
D1 diameter

grade WN10HD

order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4157461	TDG534A09921	9,921	.3906	25/64	—	185	120	143	2,3	40	10
4157476	TDG534A10000	10,000	.3937	—	—	185	120	143	2,3	40	10
4157555	TDG534A10100	10,100	.3976	—	—	218	140	171	2,4	45	12
4157556	TDG534A10200	10,200	.4016	—	—	218	140	171	2,4	45	12
4157557	TDG534A10300	10,300	.4055	—	—	218	141	171	2,4	45	12
4157558	TDG534A10320	10,320	.4063	13/32	—	218	141	171	2,4	45	12
4157559	TDG534A10400	10,400	.4094	—	—	218	141	171	2,4	45	12
4157560	TDG534A10500	10,500	.4134	—	—	218	141	171	2,4	45	12
4157561	TDG534A10600	10,600	.4173	—	—	218	142	171	2,5	45	12
4157562	TDG534A10700	10,700	.4213	—	—	218	142	171	2,5	45	12
4157583	TDG534A10716	10,716	.4219	27/64	—	218	142	171	2,5	45	12
4157584	TDG534A10800	10,800	.4252	—	—	218	141	171	2,5	45	12
4157585	TDG534A10900	10,900	.4291	—	—	218	141	171	2,5	45	12
4157586	TDG534A11000	11,000	.4331	—	—	218	142	171	2,6	45	12
4157587	TDG534A11100	11,100	.4370	—	—	218	142	171	2,6	45	12
4157588	TDG534A11113	11,113	.4375	7/16	—	218	142	171	2,6	45	12
4157589	TDG534A11200	11,200	.4409	—	—	218	142	171	2,6	45	12
4157590	TDG534A11300	11,300	.4449	—	—	218	143	171	2,6	45	12
4157591	TDG534A11400	11,400	.4488	—	—	218	143	171	2,7	45	12
4157592	TDG534A11500	11,500	.4528	—	—	218	143	171	2,7	45	12
4157593	TDG534A11509	11,509	.4531	29/64	—	218	143	171	2,7	45	12
4157594	TDG534A11600	11,600	.4567	—	—	218	144	171	2,7	45	12
4157595	TDG534A11700	11,700	.4606	—	—	218	144	171	2,7	45	12
4157596	TDG534A11800	11,800	.4646	—	—	218	143	171	2,8	45	12
4157597	TDG534A11900	11,900	.4685	—	—	218	143	171	2,8	45	12
4157598	TDG534A11908	11,908	.4688	15/32	—	218	143	171	2,8	45	12
4157599	TDG534A12000	12,000	.4724	—	—	218	144	171	2,8	45	12
4157600	TDG534A12100	12,100	.4764	—	—	246	164	199	2,8	45	14
4157601	TDG534A12200	12,200	.4803	—	—	246	164	199	2,8	45	14
4157602	TDG534A12300	12,300	.4843	—	—	246	165	199	2,9	45	14
4157603	TDG534A12304	12,304	.4844	31/64	—	246	165	199	2,9	45	14
4157604	TDG534A12400	12,400	.4882	—	—	246	165	199	2,9	45	14
4157605	TDG534A12500	12,500	.4921	—	—	246	165	199	2,9	45	14
4157606	TDG534A12600	12,600	.4961	—	—	246	165	199	2,9	45	14
4157607	TDG534A12700	12,700	.5000	1/2	—	246	166	199	3,0	45	14
4157608	TDG534A12800	12,800	.5039	—	—	246	166	199	3,0	45	14
4157609	TDG534A12900	12,900	.5079	—	—	246	165	199	3,0	45	14
4157610	TDG534A13000	13,000	.5118	—	—	246	166	199	3,0	45	14
4157611	TDG534A13096	13,096	.5156	33/64	—	246	166	199	3,1	45	14
4157612	TDG534A13100	13,100	.5157	—	—	246	166	199	3,1	45	14

(continued)

(TDG534A • 12 x D — continued)

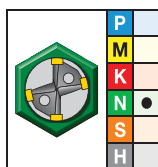


- first choice
- alternate choice

grade WN10HD		D1 diameter									
order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4157613	TDG534A13200	13,200	.5197	—	—	246	166	199	3,1	45	14
4157614	TDG534A13300	13,300	.5236	—	—	246	167	199	3,1	45	14
4157615	TDG534A13400	13,400	.5276	—	—	246	167	199	3,1	45	14
4157671	TDG534A13490	13,490	.5311	—	—	246	167	199	3,1	45	14
4157616	TDG534A13500	13,500	.5315	—	—	246	167	199	3,1	45	14
4157617	TDG534A13600	13,600	.5354	—	—	246	167	199	3,2	45	14
4157618	TDG534A13700	13,700	.5394	—	—	246	168	199	3,2	45	14
4157619	TDG534A13800	13,800	.5433	—	—	246	168	199	3,2	45	14
4157620	TDG534A13891	13,891	.5469	35/64	—	246	167	199	3,2	45	14
4157621	TDG534A13900	13,900	.5472	—	—	246	167	199	3,2	45	14
4157622	TDG534A14000	14,000	.5512	—	—	246	168	199	3,3	45	14
4157623	TDG534A14100	14,100	.5551	—	—	277	188	227	3,3	48	16
4157624	TDG534A14200	14,200	.5591	—	—	277	188	227	3,3	48	16
4157625	TDG534A14288	14,288	.5625	9/16	—	277	188	227	3,3	48	16
4157626	TDG534A14300	14,300	.5630	—	—	277	188	227	3,3	48	16
4157627	TDG534A14400	14,400	.5669	—	—	277	189	227	3,4	48	16
4157628	TDG534A14500	14,500	.5709	—	—	277	189	227	3,4	48	16
4157629	TDG534A14600	14,600	.5748	—	—	277	189	227	3,4	48	16
4157630	TDG534A14684	14,684	.5781	37/64	—	277	190	227	3,4	48	16
4157631	TDG534A14700	14,700	.5787	—	—	277	190	227	3,4	48	16
4157632	TDG534A14800	14,800	.5827	—	—	277	190	227	3,5	48	16
4157633	TDG534A14900	14,900	.5866	—	—	277	190	227	3,5	48	16
4157634	TDG534A15000	15,000	.5906	—	—	277	190	227	3,5	48	16
4157635	TDG534A15083	15,083	.5938	19/32	—	277	190	227	3,5	48	16
4157636	TDG534A15100	15,100	.5945	—	—	277	190	227	3,5	48	16
4157637	TDG534A15200	15,200	.5984	—	—	277	190	227	3,5	48	16
4157638	TDG534A15300	15,300	.6024	—	—	277	191	227	3,6	48	16
4157639	TDG534A15400	15,400	.6063	—	—	277	191	227	3,6	48	16
4157640	TDG534A15479	15,479	.6094	39/64	—	277	191	227	3,6	48	16
4157641	TDG534A15500	15,500	.6102	—	—	277	191	227	3,6	48	16
4157642	TDG534A15600	15,600	.6142	—	—	277	191	227	3,6	48	16
4157643	TDG534A15700	15,700	.6181	—	—	277	192	227	3,7	48	16
4157644	TDG534A15800	15,800	.6220	—	—	277	192	227	3,7	48	16
4157645	TDG534A15875	15,875	.6250	5/8	—	277	192	227	3,7	48	16
4157646	TDG534A15900	15,900	.6260	—	—	277	192	227	3,7	48	16
4157647	TDG534A16000	16,000	.6299	—	—	277	192	227	3,7	48	16
4157648	TDG534A16100	16,100	.6339	—	—	305	212	255	3,8	48	18
4157649	TDG534A16200	16,200	.6378	—	—	305	212	255	3,8	48	18
4157650	TDG534A16271	16,271	.6406	41/64	—	305	212	255	3,8	48	18
4157651	TDG534A16300	16,300	.6417	—	—	305	212	255	3,8	48	18

(continued)

(TDG534A • 12 x D — continued)



- first choice
○ alternate choice

grade WN10HD		D1 diameter									
order #	catalog #	mm	in	fraction	wire size	L	L4 max	L3	L5	LS	D
4157652	TDG534A16400	16,400	.6457	—	—	305	213	255	3,8	48	18
4157653	TDG534A16500	16,500	.6496	—	—	305	213	255	3,8	48	18
4157654	TDG534A16600	16,600	.6535	—	—	305	213	255	3,9	48	18
4157655	TDG534A16670	16,670	.6563	21/32	—	305	214	255	3,9	48	18
4157656	TDG534A16700	16,700	.6575	—	—	305	214	255	3,9	48	18
4157657	TDG534A16800	16,800	.6614	—	—	305	214	255	3,9	48	18
4157658	TDG534A16900	16,900	.6654	—	—	305	214	255	3,9	48	18
4157659	TDG534A17000	17,000	.6693	—	—	305	214	255	4,0	48	18
4157660	TDG534A17100	17,100	.6732	—	—	305	214	255	4,0	48	18
4157661	TDG534A17200	17,200	.6772	—	—	305	214	255	4,0	48	18
4157662	TDG534A17300	17,300	.6811	—	—	305	214	255	4,0	48	18
4157663	TDG534A17400	17,400	.6850	—	—	305	215	255	4,1	48	18
4157664	TDG534A17463	17,463	.6875	11/16	—	305	215	255	4,1	48	18
4157665	TDG534A17500	17,500	.6890	—	—	305	215	255	4,1	48	18
4157666	TDG534A17600	17,600	.6929	—	—	305	215	255	4,1	48	18
4157667	TDG534A17700	17,700	.6969	—	—	305	216	255	4,1	48	18
4157668	TDG534A17800	17,800	.7008	—	—	305	216	255	4,2	48	18
4157669	TDG534A17859	17,859	.7031	45/64	—	305	216	255	4,2	48	18
4157670	TDG534A17900	17,900	.7047	—	—	305	216	255	4,2	48	18
4156877	TDG534A18000	18,000	.7087	—	—	305	216	255	4,2	48	18
4156878	TDG534A18100	18,100	.7126	—	—	334	237	282	4,2	50	20
4156879	TDG534A18200	18,200	.7165	—	—	334	236	282	4,2	50	20
4156880	TDG534A18258	18,258	.7188	23/32	—	334	236	282	4,3	50	20
4156881	TDG534A18300	18,300	.7205	—	—	334	236	282	4,3	50	20
4156882	TDG534A18400	18,400	.7244	—	—	334	237	282	4,3	50	20
4156973	TDG534A18500	18,500	.7283	—	—	334	237	282	4,3	50	20
4156974	TDG534A18600	18,600	.7323	—	—	334	237	282	4,3	50	20
4156975	TDG534A18654	18,654	.7344	47/64	—	334	237	282	4,3	50	20
4156976	TDG534A18700	18,700	.7362	—	—	334	237	282	4,4	50	20
4156977	TDG534A18800	18,800	.7402	—	—	334	238	282	4,4	50	20
4156978	TDG534A18900	18,900	.7441	—	—	334	238	282	4,4	50	20
4156979	TDG534A19000	19,000	.7480	—	—	334	238	282	4,4	50	20
4156980	TDG534A19050	19,050	.7500	3/4	—	334	239	282	4,4	50	20
4156981	TDG534A19100	19,100	.7520	—	—	334	239	282	4,5	50	20
4156982	TDG534A19200	19,200	.7559	—	—	334	238	282	4,5	50	20
4156983	TDG534A19300	19,300	.7598	—	—	334	238	282	4,5	50	20
4156984	TDG534A19400	19,400	.7638	—	—	334	239	282	4,5	50	20
4156985	TDG534A19500	19,500	.7677	—	—	334	239	282	4,5	50	20
4156986	TDG534A19600	19,600	.7717	—	—	334	239	282	4,6	50	20
4156987	TDG534A19700	19,700	.7756	—	—	334	239	282	4,6	50	20
4156988	TDG534A19800	19,800	.7795	—	—	334	240	282	4,6	50	20
4156989	TDG534A19900	19,900	.7835	—	—	334	240	282	4,6	50	20
4156990	TDG534A20000	20,000	.7874	—	—	334	240	282	4,7	50	20

■ TOP DRILL G • TDG532/TDG533/TDG534 • WN10HD™ • Through Coolant • Inch

Material Group											
		Cutting Speed — vc Range — SFM	Recommended Feed Rate (f) by Diameter								
		min — max	Tool Diameter (inch)	.125–1/8	.188–3/16	.250–1/4	.313–5/16	.375–3/8	.500–1/2	.625–5/8	.750–3/4
N	21	330 — 1480	IPR	.006–.010	.007–.011	.009–.014	.011–.017	.012–.020	.014–.022	.017–.027	.020–.032
	22, 23, 24	330 — 980	IPR	.006–.009	.007–.011	.008–.013	.010–.015	.012–.018	.013–.021	.017–.026	.020–.032
	26	330 — 820	IPR	.006–.011	.006–.013	.007–.014	.009–.016	.010–.017	.011–.019	.013–.022	.014–.025

■ TOP DRILL G • TDG532/TDG533/TDG534 • WN10HD • Through Coolant • Metric

Material Group											
		Cutting Speed — vc Range — m/min	Recommended Feed Rate (f) by Diameter								
		min — min	Tool Diameter (mm)	3,0	4,0	6,0	8,0	10,0	12,0	16,0	20,0
N	21	100 — 450	mm/r	0,16–0,25	0,19–0,29	0,23–0,35	0,27–0,42	0,31–0,50	0,36–0,57	0,44–0,69	0,52–0,82
	22, 23, 24	100 — 300	mm/r	0,15–0,23	0,17–0,28	0,21–0,34	0,25–0,39	0,30–0,46	0,34–0,54	0,42–0,67	0,52–0,82
	26	100 — 250	mm/r	0,16–0,28	0,15–0,32	0,19–0,36	0,23–0,40	0,25–0,44	0,28–0,48	0,32–0,56	0,35–0,63

Inch tolerance		
nominal size range	D1 tolerance m7	D tolerance h6
>.1181–.2362	.0000/.0005	.0000/- .0003
>.2360–.3937	.0000/.0006	.0000/- .0004
>.3937–.7087	.0000/.0007	.0000/- .0004
>.7078–1.0000	.0000/.0009	.0000/- .0005

Metric tolerance		
nominal size range	D1 tolerance m7	D tolerance h6
>3–6	0,004/0,016	0,000/-0,008
>6–10	0,006/0,021	0,000/-0,009
>10–18	0,007/0,025	0,000/-0,011
>18–25,4	0,008/0,029	0,000/-0,013