

GENERAL PURPOSE & TITANIUM NITRIDE COATED



Type 115

Black Oxide surface finish increases wear resistance and adds lubricity to improve chip flow.



Type 100

Recommended for non-ferrous metals, wood and plastic.



Type 100-BN

Performs well in mild drilling applications with abrasive wear characteristics.

Type 115, 100, 100-BN Titanium Nitride 118° Point

- Widely used in general purpose applications
- Designed for a wide range of operating conditions and materials

FRACTIONAL

Type 115 Black Oxide Part Number	Type 100 Bright Part Number	Type 100-BN TiN Coated Part Number	Diameter Inches	Overall Length Inches	Flute Length Inches	Type 115 / Type 100 Black Oxide/Bright Qty. per/Pack	Type 100-BN TiN Coated Qty. per/Pack
01000	02750	97920	1/64	3/4	3/16	12	6
01010	02760	97910	1/32	1-3/8	1/2	12	6
01020	02770	97900	3/64	1-3/4	3/4	12	6
01030	02780	22570	1/16	1-7/8	7/8	12	6
01040	02790	22580	5/64	2	1	12	6
01050	02800	22590	3/32	2-1/4	1-1/4	12	6
01060	02810	22600	7/64	2-5/8	1-1/2	12	6
01070	02820	22610	1/8	2-3/4	1-5/8	12	6
01080	02830	22620	9/64	2-7/8	1-3/4	12	6
01090	02840	22630	5/32	3-1/8	2	12	6
01100	02850	22640	11/64	3-1/4	2-1/8	12	6
01110	02860	22650	3/16	3-1/2	2-5/16	12	6
01120	02870	22660	13/64	3-5/8	2-7/16	12	6
01130	02880	22670	7/32	3-3/4	2-1/2	12	6
01140	02890	22680	15/64	3-7/8	2-5/8	12	6
01150	02900	22690	1/4	4	2-3/4	12	6
01160	02910	22700	17/64	4-1/8	2-7/8	12	6
01170	02920	22710	9/32	4-1/4	2-15/16	12	6
01180	02930	22720	19/64	4-3/8	3-1/16	6	3
01190	02940	22730	5/16	4-1/2	3-3/16	6	3
01200	02950	22740	21/64	4-5/8	3-5/16	6	3
01210	02960	22750	11/32	4-3/4	3-7/16	6	3
01220	02970	22760	23/64	4-7/8	3-1/2	6	3
01230	02980	22770	3/8	5	3-5/8	6	3
01240	02990	22780	25/64	5-1/8	3-3/4	6	3
01250	03000	22790	13/32	5-1/4	3-7/8	6	3
01260	03010	22800	27/64	5-3/8	3-15/16	6	3
01270	03020	22810	7/16	5-1/2	4-1/16	6	3
01280	03030	22820	29/64	5-5/8	4-3/16	6	3
01290	03040	22830	15/32	5-3/4	4-5/16	6	3
01300	03050	22840	31/64	5-7/8	4-3/8	6	3
01310	03060	22850	1/2	6	4-1/2	6	3
01320	48370	32500	33/64	6-5/8	4-13/16	1	1
01330	48380	32510	17/32	6-5/8	4-13/16	1	1
01340	48390	32520	35/64	6-5/8	4-13/16	1	1
01350	48400	32530	9/16	6-5/8	4-13/16	1	1
01360	48410	32540	37/64	6-5/8	4-13/16	1	1
01370	48420	32550	19/32	7-1/8	5-3/16	1	1
01380	48430	32560	39/64	7-1/8	5-3/16	1	1
01390	48440	32570	5/8	7-1/8	5-3/16	1	1
01400	48450	32580	41/64	7-1/8	5-3/16	1	1
01410	48460	32590	21/32	7-1/8	5-3/16	1	1
01420	48470	32600	43/64	7-5/8	5-5/8	1	1
01430	48480	32610	11/16	7-5/8	5-5/8	1	1
12370	48730	32650	3/4	7-5/8	5-5/8	1	1

Letter sizes continued on page 18

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Type 115, 100, 100-BN Titanium Nitride 118° Point

- Widely used in general purpose applications
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Type 115

Black Oxide surface finish increases wear resistance and adds lubricity to improve chip flow.



Type 100

It is recommended for non-ferrous metals, wood and plastic.



Type 100-BN

Performs well in mild drilling applications with abrasive wear characteristics.

TiN

Twist Drills - General Purpose & TiN Coated

LETTER								
Type 115 Black Oxide Part Number	Type 100 Bright Part Number	Type 100-BN TiN Coated Part Number	Letter Sizes	Overall Length Inches	Flute Length Inches	Type 115 / Type 100 Black Oxide/Bright Qty. per/pack	Type 100-BN TiN Coated Qty. per/pack	
02410	04160	22890	A	3-7/8	2-5/8	12	6	
02420	04170	22900	B	4	2-3/4	12	6	
02430	04180	22910	C	4	2-3/4	12	6	
02440	04190	22920	D	4	2-3/4	12	6	
02450	04200	22930	E	4	2-3/4	12	6	
02460	04210	22940	F	4-1/8	2-7/8	12	6	
02470	04220	22950	G	4-1/8	2-7/8	12	6	
02480	04230	22960	H	4-1/8	2-7/8	12	6	
02490	04240	22970	I	4-1/8	2-7/8	12	6	
02500	04250	22980	J	4-1/8	2-7/8	12	6	
02510	04260	22990	K	4-1/4	2-15/16	12	6	
02520	04270	23000	L	4-1/4	2-15/16	12	6	
02530	04280	23010	M	4-3/8	3-1/16	6	3	
02540	04290	23020	N	4-3/8	3-1/16	6	3	
02550	04300	23030	O	4-1/2	3-3/16	6	3	
02560	04310	23040	P	4-5/8	3-5/16	6	3	
02570	04320	23050	Q	4-3/4	3-7/16	6	3	
02580	04330	23060	R	4-3/4	3-7/16	6	3	
02590	04340	23070	S	4-7/8	3-1/2	6	3	
02600	04350	23080	T	4-7/8	3-1/2	6	3	
02610	04360	22790	U	5	3-5/8	6	3	
02620	04370	23100	V	5	3-5/8	6	3	
02630	04380	23110	W	5-1/8	3-3/4	6	3	
02640	04390	23120	X	5-1/8	3-3/4	6	3	
02650	04400	23130	Y	5-1/4	3-7/8	6	3	
02660	04410	23140	Z	5-1/4	3-7/8	6	3	

WIRE								
Type 115 Black Oxide Part Number	Type 100 Bright Part Number	Type 100-BN TiN Coated Part Number	Wire Sizes	Overall Length Inches	Flute Length Inches	Type 115 / Type 100 Black Oxide/Bright Qty. per/Pack	Type 100-BN TiN Coated Qty. per/Pack	
01440	03190	47790	1	3-7/8	2-5/8	12	6	
01450	03200	47800	2	3-7/8	2-5/8	12	6	
01460	03210	47810	3	3-3/4	2-1/2	12	6	
01470	03220	47820	4	3-3/4	2-1/2	12	6	
01480	03230	47830	5	3-3/4	2-1/2	12	6	
01490	03240	47840	6	3-3/4	2-1/2	12	6	
01500	03250	47850	7	3-5/8	2-7/16	12	6	

Wire sizes continued on page 19

GENERAL PURPOSE & TITANIUM NITRIDE COATED



Type 115

Black Oxide surface finish increases wear resistance and adds lubricity to improve chip flow.



Type 100

It is recommended for non-ferrous metals, wood and plastic.



Type 100-BN

Performs well in mild drilling applications with abrasive wear characteristics.

**Type 115, 100, 100-BN Titanium Nitride
118° Point**

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WIRE

Type 115 Black Oxide Part Number	Type 100 Bright Part Number	Type 100-BN TiN Coated Part Number	Wire Sizes	Overall Length Inches	Flute Length Inches	Type 115 / Type 100 Black Oxide/Bright Qty. per/Pack	Type 100-BN TiN Coated Qty. per/Pack
01510	03260	47860	8	3-5/8	2-7/16	12	6
01520	03270	47870	9	3-5/8	2-7/16	12	6
01530	03280	47880	10	3-5/8	2-7/16	12	6
01540	03290	47890	11	3-1/2	2-5/16	12	6
01550	03300	47900	12	3-1/2	2-5/16	12	6
01560	03310	47910	13	3-1/2	2-5/16	12	6
01570	03320	47920	14	3-3/8	2-3/16	12	6
01580	03330	47930	15	3-3/8	2-3/16	12	6
01590	03340	47940	16	3-3/8	2-3/16	12	6
01600	03350	47950	17	3-3/8	2-3/16	12	6
01610	03360	47960	18	3-1/4	2-1/8	12	6
01620	03370	47970	19	3-1/4	2-1/8	12	6
01630	03380	47980	20	3-1/4	2-1/8	12	6
01640	03390	47990	21	3-1/4	2-1/8	12	6
01650	03400	48000	22	3-1/8	2	12	6
01660	03410	48010	23	3-1/8	2	12	6
01670	03420	48020	24	3-1/8	2	12	6
01680	03430	48030	25	3	1-7/8	12	6
01690	03440	48040	26	3	1-7/8	12	6
01700	03450	48050	27	3	1-7/8	12	6
01710	03460	48060	28	2-7/8	1-3/4	12	6
01720	03470	48070	29	2-7/8	1-3/4	12	6
01730	03480	48080	30	2-3/4	1-5/8	12	6
01740	03490	48090	31	2-3/4	1-5/8	12	6
01750	03500	48100	32	2-3/4	1-5/8	12	6
01760	03510	48110	33	2-5/8	1-1/2	12	6
01770	03520	48120	34	2-5/8	1-1/2	12	6
01780	03530	48130	35	2-5/8	1-1/2	12	6
01790	03540	48140	36	2-1/2	1-7/16	12	6
01800	03550	48150	37	2-1/2	1-7/16	12	6
01810	03560	48160	38	2-1/2	1-7/16	12	6
01820	03570	48170	39	2-3/8	1-3/8	12	6
01830	03580	48180	40	2-3/8	1-3/8	12	6
01840	03590	48190	41	2-3/8	1-3/8	12	6
01850	03600	48200	42	2-1/4	1-1/4	12	6
01860	03610	48210	43	2-1/4	1-1/4	12	6
01870	03620	48220	44	2-1/8	1-1/8	12	6
01880	03630	48230	45	2-1/8	1-1/8	12	6
01890	03640	48240	46	2-1/8	1-1/8	12	6
01900	03650	48250	47	2	1	12	6
01910	03660	48260	48	2	1	12	6
01920	03670	48270	49	2	1	12	6
01930	03680	48280	50	2	1	12	6
01940	03690	48290	51	2	1	12	6

Wire sizes continued on page 20

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Type 100-BN

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WIRE

Type 115 Black Oxide Part Number	Type 100 Bright Part Number	Type 100-BN TiN Coated Part Number	Wire Sizes	Overall Length Inches	Flute Length Inches	Type 115 / Type 100 Black Oxide/Bright Qty. per/Pack	Type 100-BN TiN Coated Qty. per/Pack
01950	03700	48300	52	1-7/8	7/8	12	6
01960	03710	98000	53	1-7/8	7/8	12	6
01970	03720	97990	54	1-7/8	7/8	12	6
01980	03730	97980	55	1-7/8	7/8	12	6
01990	03740	97970	56	1-3/4	3/4	12	6
02000	03750	97960	57	1-3/4	3/4	12	6
02010	03760	97950	58	1-5/8	11/16	12	6
02020	03770	97940	59	1-5/8	11/16	12	6
02030	03780	97930	60	1-5/8	11/16	12	6
02040	03790	81200	61	1-5/8	11/16	12	----
02050	03800	81210	62	1-1/2	5/8	12	----
02060	03810	81220	63	1-1/2	5/8	12	----
02070	03820	81230	64	1-1/2	5/8	12	----
02080	03830	81240	65	1-1/2	5/8	12	----
02090	03840	81250	66	1-3/8	1/2	12	----
02100	03850	81260	67	1-3/8	1/2	12	----
02110	03860	81270	68	1-3/8	1/2	12	----
02120	03870	81280	69	1-3/8	1/2	12	----
02130	03880	81290	70	1-1/4	3/8	12	----
02140	03890	81300	71	1-1/4	3/8	12	----
02150	03900	81310	72	1-1/8	5/16	12	----
02160	03910	81320	73	1-1/8	5/16	12	----
02170	03920	81330	74	1	1/4	12	----
02180	03930	81340	75	1	1/4	12	----
02190	03940	81350	76	7/8	3/16	12	----
02200	03950	81360	77	7/8	3/16	12	----
02210	03960	81370	78	7/8	3/16	12	----
02220	03970	81380	79	3/4	1/8	12	----
02230	03980	81390	80	3/4	1/8	12	----
----	03990	----	81	3/4	1/8	12	----
----	04000	----	82	3/4	1/8	12	----
----	04010	----	83	3/4	1/8	12	----
----	04020	----	84	3/4	3/32	12	----
----	04030	----	85	3/4	3/32	12	----

Wire sizes continued on page 21

GENERAL PURPOSE & TITANIUM NITRIDE COATED



Type 115

Black Oxide surface finish increases wear resistance and adds lubricity to improve chip flow.



Type 100

It is recommended for non-ferrous metals, wood and plastic.



Type 100-BN

Performs well in mild drilling applications with strong abrasive wear characteristics.

**Type 115, 100, 100-BN Titanium Nitride
118° Point**

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WIRE

Type 115 Black Oxide Part Number	Type 100 Bright Part Number	Type 100-BN TiN Coated Part Number	Wire Sizes	Overall Length Inches	Flute Length Inches	Type 115 / Type 100 Black Oxide/Bright Qty. per/Pack	Type 100-BN TiN Coated Qty. per/Pack
----	04040	----	86	3/4	3/32	12	----
----	04050	----	87	3/4	3/32	12	----
----	04060	----	88	3/4	5/64	12	----
----	04070	----	89	3/4	5/64	12	----
----	04080	----	90	3/4	5/64	12	----
----	04090	----	91	3/4	5/64	12	----
----	04100	----	92	3/4	1/16	12	----
----	04110	----	93	3/4	1/16	12	----
----	04120	----	94	3/4	1/16	12	----
----	04130	----	95	3/4	1/16	12	----
----	04140	----	96	3/4	1/16	12	----
----	04150	----	97	3/4	1/16	12	----

Type 118

V-line - General Purpose Black Oxide, 118° point

- American made value line drill
- These general purpose 118° point HSS drills are ideal for a wide variety of light tensile strength metal drilling applications.



- This series is designed for the user whose applications are well served without the need for the tighter tolerances of our standard Type 115.

Part #	Diameter Inches	Overall Length Inches	Flute Length Inches	Qty. per/pack
02783	1/16	1-7/8	7/8	12
02793	5/64	2	1	12
02803	3/32	2-1/4	1-1/4	12
02813	7/64	2-5/8	1-1/2	12
02823	1/8	2-3/4	1-5/8	12
02833	9/64	2-7/8	1-3/4	12
02843	5/32	3-1/8	2	12
02853	11/64	3-1/4	2-1/8	12
02863	3/16	3-1/2	2-5/16	12
02873	13/64	3-5/8	2-7/16	12
02883	7/32	3-3/4	2-1/2	12
02893	15/64	3-7/8	2-5/8	12
02903	1/4	4	2-3/4	12
02913	17/64	4-1/8	2-7/8	12

Part #	Diameter Inches	Overall Length Inches	Flute Length Inches	Qty. per/pack
02923	9/32	4-1/4	2-15/16	12
02933	19/64	4-3/8	3-1/16	6
02943	5/16	4-1/2	3-3/16	6
02953	21/64	4-5/8	3-5/16	6
02963	11/32	4-3/4	3-7/16	6
02973	23/64	4-7/8	3-1/2	6
02983	3/8	5	3-5/8	6
02993	25/64	5-1/8	3-3/4	6
03003	13/32	5-1/4	3-7/8	6
03013	27/64	5-3/8	3-15/16	6
03023	7/16	5-1/2	4-1/16	6
03033	29/64	5-5/8	4-3/16	6
03043	15/32	5-3/4	4-5/16	6
03053	31/64	5-7/8	4-3/8	6
03063	1/2	6	4-1/2	6