

Drills

Jobber Length

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General Purpose Styles 150, 150D, 150-TN (150T)

Features/Benefits:

- General-purpose geometry for drilling in a wide range of operating conditions and materials.
- Manufactured from premium high-speed steel.
- 118° point.
- The most popular drill for general-purpose applications.
- Metric sizes are manufactured to DIN 338 specifications.
- Bright, black oxide and titanium nitride (TiN) finishes standard from stock; alternate coatings available as stock modifications.

Application Information:

- carbon steel (TiN, black oxide)
- cast iron (TiN, black oxide)
- non-ferrous materials (bright)

Surface Treatment Information:

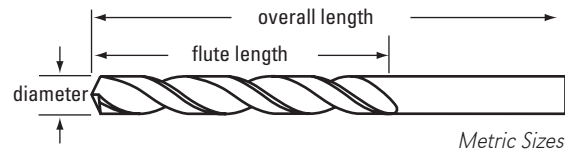
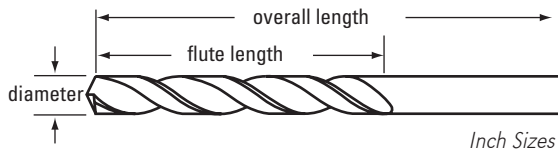
- Black oxide surface finish increases wear resistance and adds lubricity, improving chip flow.
- Titanium nitride (TiN) PVD coating adds lubricity and hardness which enhances chip flow, finish hole quality, and drill life.



Style 150 Black Oxide

Style 150D Bright Finish

Style 150-TN TiN-Coated



INCH AND METRIC SIZES

Drill Diameter					Overall Length		Flute Length		Style 150	Style 150D	Style 150-TN
Fract	Wire/Let	Metric	Decimal	mm	Inch	mm	Inch	mm	Black Oxide	Bright*	TiN
	80		.0135	0.34	.7500	19.05	.1250	3.18	44150	44350	70180
		0.35	.0138		.7480	19.00	.1575	4.00	—	47210	—
1/64	79		.0145	0.37	.7500	19.05	.1250	3.18	44149	44349	70179
		0.40	.0156	0.40	.7500	19.05	.1875	4.76	44001	44201	70201
	78		.0157		.7874	20.00	.1969	5.00	—	47211	—
		0.45	.0160	0.41	.8750	22.23	.1875	4.76	44148	44348	70178
	77		.0177		.7874	20.00	.1969	5.00	—	47212	—
		0.50	.0180	0.46	.8750	22.23	.1875	4.76	44147	44347	70177
	76		.0197		.8661	22.00	.2362	6.00	—	47213	—
		0.55	.0200	0.51	.8750	22.23	.1875	4.76	44146	44346	70176
	75		.0210	0.53	1.0000	25.40	.2500	6.35	44145	44345	70175
		0.60	.0217		.9449	24.00	.2756	7.00	—	47214	—
	74		.0225	0.57	1.0000	25.40	.2500	6.35	44144	44344	70174
		0.65	.0236		.9449	24.00	.2756	7.00	—	47215	—
	73		.0240	0.61	1.1250	28.58	.3125	7.94	44143	44343	70173
	72		.0250	0.64	1.1250	28.58	.3125	7.94	44142	44342	70172
		0.65	.0256		1.0236	26.00	.3150	8.00	—	47216	—

*Bright metric sizes are non-stocked standards (minimum order quantity required).

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Drills

Jobber Length

General Purpose (continued) Styles 150, 150D, 150-TN (150T)

INCH AND METRIC SIZES

Fract	Drill Diameter			Overall Length		Flute Length		Style 150	Style 150D	Style 150-TN	
	Wire/Let	Metric	Decimal	mm	Inch	mm	Inch	mm	Black Oxide	Bright*	TIN
	2		.2210	5.61	3.8750	98.43	2.6250	66.68	44072	44272	70102
			5.70	.2244		3.6614	93.00	2.2441	57.00	47291	45291
	1		.2280	5.79	3.8750	98.43	2.6250	66.68	44071	44271	70101
			5.80	.2283		3.6614	93.00	2.2441	57.00	47293	45293
	15/64		.2323		3.6614	93.00	2.2441	57.00	47294	45294	—
		A	.2340	5.94	3.8750	98.43	2.6250	66.68	44171	44371	70301
	1/4		.2344	5.95	3.8750	98.43	2.6250	66.68	44015	44215	70215
		B	.2362	6.05	3.6614	93.00	2.2441	57.00	47295	45295	70336
	1/2		.2380	6.05	4.0000	101.60	2.7500	69.85	44172	44372	70302
		C	.2402	6.15	3.9764	101.00	2.4803	63.00	47296	45296	—
	3/8		.2420	6.15	4.0000	101.60	2.7500	69.85	44173	44373	70303
		D	.2441	6.25	3.9764	101.00	2.4803	63.00	47297	45297	—
	1/2		.2460	6.25	4.0000	101.60	2.7500	69.85	44174	44374	70304
		E	.2480	6.35	3.9764	101.00	2.4803	63.00	47299	45299	—
	3/4		.2500	6.35	4.0000	101.60	2.7500	69.85	44016	44216	70216
		F	.2520	6.40	3.9764	101.00	2.4803	63.00	47300	45300	70383
	1		.2559	6.50	3.9764	101.00	2.4803	63.00	47301	45301	70384
		G	.2570	6.53	4.1250	104.78	2.8750	73.03	44176	44376	70306
	1 1/8		.2598	6.60	3.9764	101.00	2.4803	63.00	47302	45302	—
		H	.2610	6.63	4.1250	104.78	2.8750	73.03	44177	44377	70307
	1 1/4		.2638	6.70	3.9764	101.00	2.4803	63.00	47303	45303	70385
		I	.2656	6.75	4.1250	104.78	2.8750	73.03	44017	44217	70217
	1 1/2		.2660	6.76	4.1250	104.78	2.8750	73.03	44178	44378	70308
		J	.2677	6.80	4.2913	109.00	2.7165	69.00	47305	45305	70386
	1 3/8		.2717	6.90	4.2913	109.00	2.7165	69.00	47306	45306	—
		K	.2720	6.91	4.1250	104.78	2.8750	73.03	44179	44379	70309
	1 3/4		.2756	7.00	4.2913	109.00	2.7165	69.00	47307	45307	70337
		L	.2770	7.04	4.1250	104.78	2.8750	73.03	44180	44380	70310
	2		.2795	7.10	4.2913	109.00	2.7165	69.00	47308	45308	—
		M	.2810	7.14	4.2500	107.95	2.9375	74.61	44181	44381	70311
	2 1/8		.2812	7.14	4.2500	107.95	2.9375	74.61	44018	44218	70218
		N	.2835	7.20	4.2913	109.00	2.7165	69.00	47309	45309	70387
	2 1/4		.2874	7.30	4.2913	109.00	2.7165	69.00	47311	45311	—
		O	.2900	7.37	4.2500	107.95	2.9375	74.61	44182	44382	70312
	2 3/8		.2913	7.40	4.2913	109.00	2.7165	69.00	47312	45312	—
		P	.2950	7.49	4.3750	111.13	3.0625	77.79	44183	44383	70313
	2 3/4		.2953	7.50	4.2913	109.00	2.7165	69.00	47313	45313	70388
		Q	.2969	7.54	4.3750	111.13	3.0625	77.79	44019	44219	70219
	3		.2992	7.60	4.6063	117.00	2.9528	75.00	47314	45314	—
		R	.3020	7.67	4.3750	111.13	3.0625	77.79	44184	44384	70314
	3 1/8		.3031	7.70	4.6063	117.00	2.9528	75.00	47315	45315	—
		S	.3071	7.80	4.6063	117.00	2.9528	75.00	47317	45317	—
	3 1/4		.3110	7.90	4.6063	117.00	2.9528	75.00	47318	45318	—
		T	.3125	7.94	4.5000	114.30	3.1875	80.96	44020	44220	70220
	3 3/8		.3150	8.00	4.6063	117.00	2.9528	75.00	47319	45319	70338
		U	.3160	8.03	4.5000	114.30	3.1875	80.96	44185	44385	70315
	3 3/4		.3189	8.10	4.6063	117.00	2.9528	75.00	47320	45320	—
		V	.3228	8.20	4.6063	117.00	2.9528	75.00	47321	45321	—
	4		.3230	8.20	4.6250	117.48	3.3125	84.14	44186	44386	70316
		W	.3268	8.30	4.6063	117.00	2.9528	75.00	47323	45323	—

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