

Styles: 2002G, 2001G, 2002G-TC
General Purpose
Note

 Operating parameters:
See Technical section

 ASME
B94.11M

 DIN
338

HSS-E


 118°

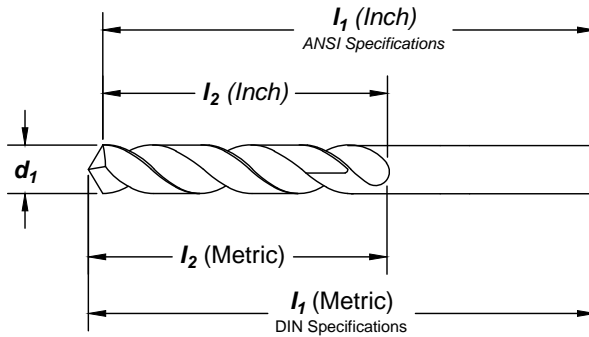

 Helix
Regular


 Straight
Shank

 Surface
Treatment


 Bright


 Black
Oxide


 TiCN


Jobber Length

High Speed Steel

Feature:

General purpose jobber drill with improved geometry. Premium steel substrate.

drill diameter		overall length		flute length		order number			
d ₁		I ₁		I ₂		2002G	2001G	2002G-TC	
fraction	wire/letter	decimal equivalent	in	mm	in	mm	bright	black oxide	TiCN
		1.00	.0394		34.00		C72200	C71200	C73200
	60	.0400	1.625		.688		C72160	C71160	-
	59	.0410	1.625		.688		C72159	C71159	-
		1.05	.0413		34.00		-	C71201	-
	58	.0420	1.625		.688		C72158	C71158	-
	57	.0430	1.750		.750		C72157	C71157	-
		1.10	.0433		36.00		C72202	C71202	-
		1.15	.0453		36.00		-	C71203	-
	56	.0465	1.750		.750		C72156	C71156	-
3/64		.0469	1.750		.750		C72003	C71003	C73003
		1.20	.0472		38.00		C72204	C71204	-
		1.25	.0492		38.00		-	C71205	-
		1.30	.0512		38.00		C72206	C71206	-
	55	.0520	1.875		.875		C72155	C71155	-
		1.35	.0531		40.00		-	C71207	-
	54	.0550	1.875		.875		C72154	C71154	-
		1.40	.0551		40.00		C72208	C71208	-
		1.45	.0571		40.00		-	C71209	-
		1.50	.0591		40.00		C72210	C71210	C73210
	53	.0595	1.875		.875		C72153	C71153	-
		1.55	.0610		43.00		-	C71211	-
1/16		.0625	1.875		.875		C72004	C71004	C73004
		1.60	.0630		43.00		C72212	C71212	C73212
	52	.0635	1.875		.875		C72152	C71152	C73152
		1.65	.0650		43.00		-	C71213	-
		1.70	.0669		43.00		C72214	C71214	-
	51	.0670	2.000		1.000		C72151	C71151	C73151
		1.75	.0689		46.00		-	C71215	-

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Material Reference	Steel (HRc)				Stainless Steel			Cast Iron (HRc)		Aluminum and Non-Ferrous	Hi-Temp Alloy		Hardened Steel (HRc)
	Low Carbon		Alloy		Austenitic	Martensitic	PH	Gray	Nodular		Ni, Co, Fe Based Super Alloy	Titanium	
	Hardness	13-38	>38	16-38	> 38	300 Series	400 series		18-22	22-32			>45
Bright													
Black Oxide	◆				◆			◆					
TiCN	☆		☆		☆			☆		☆			

☆ = Best Performance ◆ = Acceptable

General Purpose

Styles: 2002G, 2001G, 2002G-TC (continued)

Jobber Length

High Speed Steel

fraction	drill diameter		decimal equivalent	overall length		flute length		order number		
	wire/letter	mm		l ₁	mm	l ₂	mm	2002G bright	2001G black oxide	2002G-TC TiCN
	50		.0700	2.000		1.000		C72150	C71150	C73150
		1.80	.0709		46.00		22.00	C72216	C71216	-
		1.85	.0728		46.00		22.00	-	C71217	-
	49		.0730	2.000		1.000		C72149	C71149	C73149
		1.90	.0748		46.00		22.00	C72218	C71218	-
	48		.0760	2.000		1.000		C72148	C71148	C73148
		1.95	.0767	1.929	49.00	.945	24.00	-	C71219	-
5/64			.0781	2.000	50.80	1.000	25.40	C72005	C71005	C73005
	47		.0785	2.000	50.80	1.000	25.40	C72147	C71147	C73147
		2.00	.0787	1.929	49.00	.945	24.00	C72220	C71220	C73220
		2.05	.0807	1.929	49.00	.945	24.00	-	C71221	-
	46		.0810	2.125		1.125		C72146	C71146	C73146
	45		.0820	2.125		1.125		C72145	C71145	C73145
		2.10	.0827		49.00		24.00	C72222	C71222	-
		2.15	.0846		53.00		27.00	-	C71223	-
	44		.0860	2.125		1.125		C72144	C71144	C73144
		2.20	.0866		53.00		27.00	C72224	C71224	-
		2.25	.0886		53.00		27.00	-	C71225	-
	43		.0890	2.250		1.250		C72143	C71143	C73143
		2.30	.0906		53.00		27.00	C72226	C71226	-
		2.35	.0925		53.00		27.00	-	C71227	-
	42		.0935	2.250		1.250		C72142	C71142	C73142
3/32			.0938	2.250		1.250		C72006	C71006	C73006
		2.40	.0945		57.00		30.00	C72228	C71228	C73228
	41		.0960	2.375		1.375		C72141	C71141	C73141
		2.45	.0964		57.00		30.00	-	C71229	-
	40		.0980	2.375		1.375		C72140	C71140	C73140
		2.50	.0984		57.00		30.00	C72230	C71230	C73230
	39		.0995	2.375		1.375		C72139	C71139	C73139
	38		.1015	2.500		1.438		C72138	C71138	C73138
		2.60	.1024		57.00		30.00	C72231	C71231	-
	37		.1040	2.500		1.438		C72137	C71137	C73137
		2.70	.1062		61.00		33.00	C72232	C71232	-
	36		.1065	2.500		1.438		C72136	C71136	C73136
	7/64		.1094	2.625		1.500		C72007	C71007	C73007
	35		.1100	2.625		1.500		C72135	C71135	C73135
		2.80	.1102		61.00		33.00	C72233	C71233	-
	34		.1110	2.625		1.500		C72134	C71134	C73134
	33		.1130	2.625		1.500		C72133	C71133	C73133
		2.90	.1142		61.00		33.00	C72234	C71234	-
	32		.1160	2.750		1.625		C72132	C71132	C73132
		3.00	.1181		61.00		33.00	C72235	C71235	C73235
	31		.1200	2.750		1.625		C72131	C71131	C73131
		3.10	.1220		65.00		36.00	C72236	C71236	-
	1/8		.1250	2.750		1.625		C72008	C71008	C73008
		3.20	.1260		66.00		37.00	C72237	C71237	C73237
	30		.1285	2.750		1.625		C72130	C71130	C73130
		3.30	.1299		67.00		38.00	C72238	C71238	C73238
		3.40	.1339		70.00		39.00	C72239	C71239	-
	29		.1360	2.875		1.750		C72129	C71129	C73129
		3.50	.1378		70.00		39.00	C72240	C71240	C73240
	28		.1405	2.875		1.750		C72128	C71128	C73128
	9/64		.1406	2.875		1.750		C72009	C71009	C73009
		3.60	.1417		70.00		39.00	C72241	C71241	C73241
	27		.1440	3.000		1.875		C72127	C71127	C73127
		3.70	.1457		70.00		39.00	C72242	C71242	-
	26		.1470	3.000		1.875		C72126	C71126	C73126

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Styles: 2002G, 2001G, 2002G-TC (continued)

General Purpose

drill diameter		overall length		flute length		order number			
fraction	d ₁ wire/letter	decimal equivalent	l ₁ in	l ₂ in	mm	2002G bright	2001G black oxide	2002G-TC TiCN	
	25	.1495	3.000		1.875	C72125	C71125	C73125	
		3.80	.1496	75.00	43.00	C72243	C71243	-	
	24	.1520	3.125		2.000	C72124	C71124	C73124	
		3.90	.1535	75.00	43.00	C72244	C71244	-	
	23	.1540	3.125		2.000	C72123	C71123	C73123	
5/32		.1562	3.125		2.000	C72010	C71010	C73010	
	22	.1570	3.125		2.000	C72122	C71122	C73122	
		4.00	.1575	75.00	43.00	C72245	C71245	C73245	
	21	.1590	3.250		2.125	C72121	C71121	C73121	
	20	.1610	3.250		2.125	C72120	C71120	C73120	
		4.10	.1614	75.00	43.00	C72246	C71246	C73246	
		4.20	.1654	75.00	43.00	C72247	C71247	C73247	
	19	.1660	3.250		2.125	C72119	C71119	C73119	
		4.30	.1692	80.00	47.00	C72248	C71248	C73248	
	18	.1695	3.250		2.125	C72118	C71118	C73118	
11/64		.1719	3.250		2.125	C72011	C71011	C73011	
	17	.1730	3.375		2.188	C72117	C71117	C73117	
		4.40	.1732	80.00	47.00	C72249	C71249	-	
	16	.1770	3.375		2.188	C72116	C71116	C73116	
		4.50	.1772	80.00	47.00	C72250	C71250	C73250	
	15	.1800	3.375		2.188	C72115	C71115	C73115	
		4.60	.1811		1.850	47.00	C72251	C71251	-
	14	.1820	3.375		2.188	C72114	C71114	C73114	
	13	.1850	3.500		2.313	C72113	C71113	C73113	
		4.70	.1850	80.00	47.00	C72252	C71252	-	
3/16		.1875	3.500		2.313	C72012	C71012	C73012	
	12	.1890	3.500		2.313	C72112	C71112	C73112	
		4.80	.1890	86.00	52.00	C72253	C71253	C73253	
	11	.1910	3.500		2.313	C72111	C71111	C73111	
		4.90	.1929	86.00	52.00	C72254	C71254	C73254	
	10	.1935	3.625		2.438	C72110	C71110	C73110	
	9	.1960	3.625		2.438	C72109	C71109	C73109	
		5.00	.1969	86.00	52.00	C72255	C71255	C73255	
	8	.1990	3.625		2.438	C72108	C71108	C73108	
		5.10	.2008	86.00	52.00	C72256	C71256	C73256	
	7	.2010	3.625		2.438	C72107	C71107	C73107	
13/64		.2031	3.625		2.438	C72013	C71013	C73013	
	6	.2040	3.750		2.500	C72106	C71106	C73106	
		5.20	.2047	86.00	52.00	C72257	C71257	C73257	
	5	.2055	3.750		2.500	C72105	C71105	C73105	
	4	.2090	3.750		2.500	C72104	C71104	C73104	
		5.40	.2125	93.00	57.00	C72259	C71259	-	
	3	.2130	3.750		2.500	C72103	C71103	C73103	
		5.50	.2165	93.00	57.00	C72260	C71260	C73260	
7/32		.2188	3.750		2.500	C72014	C71014	C73014	
		5.60	.2205	93.00	57.00	C72261	C71261	-	
	2	.2210	3.875		2.625	C72102	C71102	C73102	
		5.70	.2244	93.00	57.00	C72262	C71262	-	
	1	.2280	3.875		2.625	C72101	C71101	C73101	

Jobber Length
High Speed Steel

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Material Reference	Steel (HRC)				Stainless Steel			Cast Iron (HRC)		Aluminum and Non-Ferrous	Hi-Temp Alloy		Hardened Steel (HRC)
	Low Carbon		Alloy		Austenitic	Martensitic	PH	Gray	Nodular		Ni, Co, Fe Based Super Alloy	Titanium	
	Hardness	13-38	>38	16-38	> 38	300 Series	400 series		18-22	22-32			>45
Bright													
Black Oxide	◆				◆				◆				
TiCN	☆		☆		☆				☆				

☆ = Best Performance ◆ = Acceptable

General Purpose

Styles: **2002G, 2001G, 2002G-TC** (continued)

Jobber Length

High Speed Steel

fraction	drill diameter		decimal equivalent	overall length		flute length		order number		
	wire/letter	mm		in	mm	in	mm	2002G bright	2001G black oxide	2002G-TC TiCN
15/64	A	5.90	.2322		93.00		57.00	C72264	C71264	-
		.2340	3.875		2.625			C72071	C71071	C73071
		.2344	3.875		2.625			C72015	C71015	C73015
	B	6.00	.2362		93.00		57.00	C72265	C71265	C73265
		.2380	4.000		2.750			C72072	C71072	C73072
		6.10	.2401		101.00		63.00	C72266	C71266	-
	C		.2420		4.000		2.750	C72073	C71073	C73073
			.2440		101.00		63.00	C72267	C71267	-
			.2460		4.000		2.750	C72074	C71074	C73074
1/4	D		.2480		101.00		63.00	C72268	C71268	-
			.2500		4.000		2.750	C72016	C71016	C73016
			.2520		101.00		63.00	C72269	C71269	-
	E		.2559		101.00		63.00	C72270	C71270	C73270
			.2570		4.125		2.875	C72076	C71076	C73075
			.2598		101.00		63.00	C72271	C71271	-
	F		.2610		4.125		2.875	C72077	C71077	C73076
			.2638					C72272	C71272	-
			.2656		4.125		2.875	C72017	C71017	C73017
17/64	H		.2660		4.125		2.875	C72078	C71078	C73077
			.2677		109.00		69.00	C72273	C71273	C73273
			.2717		109.00		69.00	C72274	C71274	-
	I		.2720		4.125		2.875	C72079	C71079	C73078
			.2756		109.00		69.00	C72275	C71275	C73275
			.2770		4.125		2.875	C72080	C71080	C73079
9/32	J		.2795		109.00		69.00	C72276	C71276	-
			.2812		4.250		2.938	C72018	C71018	C73018
			.2812		4.250		2.938	C72081	C71081	C73080
	K		.2835		109.00		69.00	C72277	C71277	-
			.2874		109.00		69.00	C72278	C71278	-
			.2900		4.250		2.938	C72082	C71082	C73081
	L		.2913		109.00		69.00	C72279	C71279	-
			.2950		4.375		3.063	C72083	C71083	C73082
			.2953		109.00		69.00	C72280	C71280	C73280
19/64	M		.2969		4.375		3.063	C72019	C71019	C73019
			.3020		4.375		3.063	C72084	C71084	C73083
			.3031		117.00		75.00	C72282	C71282	-
	N		.3070		117.00		75.00	C72283	C71283	-
			.3110		117.00		75.00	C72284	C71284	-
			.3125		4.500		3.188	C72020	C71020	C73020
5/16	O		.3150		117.00		75.00	C72285	C71285	C73285
			.3160		4.500		3.188	C72085	C71085	C73084
			.3189		117.00		75.00	C72286	C71286	-
	P		.3228		117.00		75.00	C72287	C71287	-
			.3230		4.625		3.313	C72086	C71086	C73085
			.3281		4.625		3.313	C72021	C71021	C73021
21/64	Q		.3307		117.00		75.00	C72289	C71289	-
			.3320		4.750		3.438	C72087	C71087	C73086
			.3346		117.00		75.00	C72290	C71290	C73290
	R		.3390		4.750		3.438	C72088	C71088	C73087
			.3425		125.00		81.00	C72292	C71292	-
			.3438		4.750		3.438	C72022	C71022	C73022
11/32	S		.3464		125.00		3.189	C72293	C71293	-
			.3480		4.875		3.500	C72089	C71089	C73088
			.3543		125.00		81.00	C72295	C71295	C73295
	T		.3580		4.875		3.500	C72090	C71090	C73089
			.3594		4.875		3.500	C72023	C71023	C73023
			.3622		125.00		81.00	C72297	C71297	-
23/64	U		.3661		125.00		81.00	C72298	C71298	-
			.3680		5.000		3.625	C72091	C71091	C73090

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Styles: 2002G, 2001G, 2002G-TC (continued)
General Purpose

fraction	drill diameter		overall length		flute length			order number			
	d ₁		decimal equivalent	l ₁		l ₂			2002G	2001G	2002G-TC
	wire/letter	mm		in	mm	in	mm	bright	black oxide	TiCN	
3/8	V	9.40	.3700		125.00		81.00	C72299	C71299	-	
		9.50	.3740		125.00		81.00	C72300	C71300	C73300	
			.3750	5.000		3.625		3.625	C72024	C71024	C73024
	W		.3770	5.000		3.625		3.625	C72092	C71092	C73091
		9.60	.3779		133.00		87.00	C72301	C71301	-	
		9.70	.3817		133.00		87.00	C72302	C71302	-	
25/64	X	9.80	.3858		133.00		87.00	C72303	C71303	-	
			.3860	5.125		3.750		3.750	C72093	C71093	C73092
			.3906	5.125		3.750		3.750	C72025	C71025	C73025
	Y	10.00	.3937		133.00		87.00	C72305	C71305	C73305	
			.3970		130.18		95.25	C72094	C71094	C73093	
		10.20	.4016		133.00		87.00	C72306	C71306	C73306	
13/32	Z		.4040	5.250		3.875		3.875	C72095	C71095	C73094
			.4062	5.250		3.875		3.875	C72026	C71026	C73026
			.4130	5.250		3.875		3.875	C72096	C71096	C73095
	7/16	10.50	.4134		133.00		87.00	C72308	C71308	C73308	
			.4219	5.375		3.938		3.938	C72027	C71027	C73027
		10.80	.4252		142.00		94.00	C72309	C71309	-	
7/16	Y	11.00	.4331		142.00		94.00	C72310	C71310	C73310	
			.4375	5.500		4.063		4.063	C72028	C71028	C73028
		11.20	.4409		142.00		94.00	C72311	C71311	-	
	29/64		.4527		142.00		94.00	C72312	C71312	C73312	
			.4531	5.625		4.188		4.188	C72029	C71029	C73029
		15/32	.4688	5.750		4.313		4.313	C72030	C71030	C73030
31/64	Z	12.00	.4724		151.00		101.00	C72314	C71314	C73314	
			.4803		151.00		101.00	C72315	C71315	-	
			.4844	5.875		4.375		4.375	C72031	C71031	C73031
	1/2		.4921		151.00		101.00	C72316	C71316	C73316	
			.5000	6.000		4.500		4.500	C72032	C71032	C73032
		13.00	.5118		151.00		101.00	C72319	C71319	C73319	
33/64	Y		.5156	6.625		4.813		4.813	-	C71033	-
			.5312	6.625		4.813		4.813	-	C71034	-
		13.50	.5315		160.00		108.00	C72321	C71321	-	
	35/64		.5469	6.625		4.813		4.813	-	C71035	-
			.5512		160.00		108.00	C72323	C71323	C73323	
		9/16	.5625	6.625		4.813		4.813	-	C71036	-
37/64	Z	14.50	.5709		169.00		114.00	C72325	C71325	-	
			.5781	6.625		4.813		4.813	-	C71037	-
			.5906		169.00		114.00	C72327	C71327	C73327	
	19/32		.5938	7.125		5.188		5.188	-	C71038	-
		39/64	.6094	7.125		5.188		5.188	-	C71039	-
			.6102		178.00		120.00	C72329	C71329	-	
5/8	Y		.6250	7.125		5.188		5.188	-	C71040	-
			.6299		178.00		120.00	C72331	C71331	C73331	
		41/64	.6406	7.125		5.188		5.188	-	C71041	-
	21/32		.6496		184.00		120.00	C72333	C71333	-	
			.6562	7.125		5.188		5.188	-	C71042	-
		17.00	.6693		184.00		120.00	C72335	C71335	C73335	
43/64	Z		.6719	7.625		5.625		5.625	-	C71043	-
			.6875	7.625		5.625		5.625	-	C71044	-
		11/16	.6890		191.00		130.00	C72337	C71337	-	

continued on next page

Material Reference	Steel (HRc)				Stainless Steel			Cast Iron (HRc)		Aluminum and Non-Ferrous	Hi-Temp Alloy		Hardened Steel (HRc)
	Low Carbon		Alloy		Austenitic	Martensitic	PH	Gray	Nodular		Ni, Co, Fe Based Super Alloy	Titanium	
	Hardness	13-38	>38	16-38	> 38	300 Series	400 series		18-22	22-32			>45
Bright													
Black Oxide	◆				◆			◆					
TiCN	☆		☆		☆			☆		☆			

☆ = Best Performance ◆ = Acceptable

Jobber Length

High Speed Steel

order number

no. of pieces	size range	2002G	2002G
		bright	black oxide
15	1/16" through 1/2" x 1/3 2"	C72199	
29	1/16" through 1/2" x 1/64"	C72198	C72197
26	letter A through Z	C00939	
60	wire gauge #1 through #60	C00934	
115	1/16" through 1/2", letter A through Z, and wire gage #1 through #60	C01330	
25	1 mm through 13 mm x 0.5 mm	C72000	C71000
50	1 mm through 5.9 mm x 0.1 mm		C00960



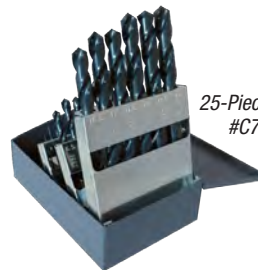
115-Piece Set
#C01330



50-Piece Set
#C00690



60-Piece Set
#C00934



25-Piece Set
#C71000

Material Reference	Steel (HRc)				Stainless Steel			Cast Iron (HRc)		Aluminum and Non-Ferrous	Hi-Temp Alloy		Hardened Steel (HRc)
	Low Carbon		Alloy		Austenitic	Martensitic	PH	Gray	Nodular		Ni, Co, Fe Based Super Alloy	Titanium	
Hardness	13-38	>38	16-38	> 38	300 Series	400 series		18-22	22-32				>45
Bright										◆			
Black Oxide	◆				◆			◆					
TiCN	☆		☆		☆			☆		☆			

☆ = Best Performance ◆ = Acceptable