<c></c>	<mark> </mark>	ALTER			Bright 330	t Finish M14	1	For n	nore i
VCLEVELAND WESTWA	RD V	widia [™]	7 .			KS-	DEWALT	Westv	VARD
Jobbe	r-Lei Decimal	ngth So	olid C	arbide	Drill	Bits	Reduc	ed-Sh	anl
Drill Bit Size AlTiN Finish, S 1188 Point An	Equivalen Spiral Flut	t Flute Length e, Non-Coolant i	Shank Dia. Through, Sti	Length aight Shank	Brand	NO.		sheen Pren b	
1/8 in 1/6 in	0.1250	1 1/4 in	1/8 in	2 1/4 in	_	36XF12	Steel		ILS
17/64 in	0.2500	2 1/8 in	17/64 in	3 1/2 in	_	36XF30 36XF39	Drill Bit Size	Equivalent	Leng
3% in	0.3750	2 3/4 in	3% in	4 1/4 in	_	36XF60	135° Point A	ngle, Split Poi	int
right Finish,	Spiral Flu	te, Non-Coolant	Through, St	raight Shank		307100	9/16 IN 5/8 in	0.5625	3 II 3 II
1/8 in	0.1250	1 1/4 in	1/8 in	2 1/4 in	Cleveland	33GM14	^{1/16} In 3/4 in	0.6875	3 ii 3 ii
9/16 III 1/4 in	0.1675	2 in	⁹¹⁶ III ¹ /4 in	2 9/4 III 3 1/4 in	Cleveland	33GM25	118° Point A	ngle, Split Poi	int
7/16 in	0.3125	2 % in	7/16 in	4 1/2 in	Cleveland	33GM28	Black Oxide	Finish, Spiral	Flute, I
1.50 mm	0.5000	18.00 mm	¹ /2 In 1 1/2 in	4 % In 40.00 mm	Walter Titex	29GK64	118° POINT A 1/2 in	0.5000	10nai P <u>3 ½</u>
7.20 mm 9.50 mm	0.2835	40.00 mm	7.2 mm 9.5 mm	109.00 mm 84.00 mm	Walter Titex Walter Titex	29GL22 29GM45	1/2 IN 33/64 IN	0.5000	3 1/8
18° Point An 5⁄32 in	0.1563	entional Point 1 ¾ in		2 ½ in	Westward	5TVY4	³³ / ₆₄ in 17/ ₃₂ in	0.5156 0.5312	3 ½ 3 ½
³ ⁄16 in ¹³ ⁄64 in	0.1875 0.2031	1 % in 1 ¾ in	^{3/16} in ^{13/64} in	2 ¼ in 3 in	Westward Westward	5VPA1 5VPA2	17/32 in 9/16 in	0.5312 0.5625	3 ½ 3 ½
1/4 in 17/64 in	0.2500 0.2656	2 3/4 in 2 1/8 in	1/4 in 17/64 in	3 1/4 in 3 1/2 in	Westward Westward	5VPA5 5VPA6	9/16 in 37/64 in	0.5625 0.5781	3 1/8 3 1/8
9/32 in 23/64 in	0.2813 0.3594	2 ¹⁵ / ₁₆ in 2 ½ in	²³ ⁄64 in	3 ½ in 4 in	Westward Westward	5VPA7 5VPC2	¹⁹ / ₃₂ in 5/8 in	0.5938 0.6250	3 1/8 3 1/8
3/8 in 1/2 in	0.3750	2 3/4 in 3 in	1⁄2 in	4 1/4 in 4 3/4 in	Westward	5VPC3 5VPD1	5% in 21/22 in	0.6250	3 1/8
18° Point An	igle, Split	Point 34 in	14e in	1 16 in		367202	21/32 in 11/c in	0.6562	3 1/8
3/32 in	0.0625	94 III 1 in	3/32 in	2 in	_	36XF04	11/16 in	0.6875	3 1/8
1/8 in 5/32 in	0.1250	1 1/4 in 1 3/8 in	1/8 in 5/32 in	2 1/4 in 2 1/2 in	_	36XF10 36XF16	23/32 in	0.7188	3 1/8
¹¹ / ₆₄ in ¹³ / ₆₄ in	0.1719	1 % in 1 ¾ in	¹¹ / ₆₄ in ¹³ / ₆₄ in	2 3/4 in 3 in		36XF19 36XF25	<u>3/4 in</u> 3/4 in	0.7500	3 1/8
7/32 in 1/4 in	0.2188	1 ¾ in 2 in	7/32 in 1/4 in	3 in 3 ¼ in	_	36XF28 36XF34	4%4 in 25/32 in	0.7656	3 1/8
¹⁷ / ₆₄ in %2 in	0.2656	2 1/8 in 2 1/8 in	17/64 in 9/32 in	3 1/2 in 3 1/2 in	_	36XF37 36XF40	25/32 in	0.7813	3 1/8
¹⁹ / ₆₄ in	0.2969	2 % in	19/64 in	3 3/4 in	—	36XF43	¹³ / ₁₆ in	0.8125	3 1/8
^{11/32} in	0.3438	2 1/2 in	11/32 in	4 in	_	36XF52	7/8 in	0.8750	31/8
9/8 IN 25/64 in	0.3750	2 % in	9/8 IN 25/64 in	4 1/4 In 4 1/2 in		36XF58 36XF61	¹⁹ /16 In 15/16 in	0.9375	3 1/8
¹³ / ₃₂ in 1/2 in	0.4063	2 % in 3 in	¹³ / ₃₂ in 1/2 in	4 ½ in 4 ¾ in		36XF64 36XF82	15/16 in 1 in	0.9375	3 1/8 3 1/8
#7 #10	0.2010	1 3/4 in 1 5/8 in	3/16 in 3/16 in	3 in 2 ¾ in		36XJ85 36XJ76	1 in 11/16 in	1.0000	3 1/8
#11 #13	0.1910	1 % in 1 % in	3/16 in	2 3/4 in 2 3/4 in	_	36XJ73 36XJ67	1½ in	1.1250	3 1/8
#30	0.1285	1 ¼ in	1/8 in 3/22 in	2 1/4 in	_	36XJ16 36XH85	13/16 in	1.1875	3 1/1
1.50 mm	0.0591	11/16 in	3/64 in	38.00 mm	_	45XY32	11/4 in	1.2500	3 1/
1.00 mm 5.00 mm	0.1575	1 % in 1 ¾ in	9/32 IN 3/16 IN	64.00 mm 76.00 mm		45YD29 45YE07	1½ in 1½ in	1.5000	31/
2.50 mm 2.50 mm	0.3740	2 3/4 in 2 15/16 in	^{23/64} IN ^{31/64} IN	108.00 mm 121.00 mm		45YF86 45XZ53	1½ in Black Oxide	1.5000 Finish, Spiral	3 ½ Flute, l
iO° Point An 1/8 in	igle, Conve 0.1250	entional Point 1 ¼ in	1⁄8 in	2 1/4 in	OSG	34YG13	118° Point A 15/16 in	ngle, Convent 1.3125	ional Po 3 ½
5/16 in 21/64 in	0.3125	2 3/8 in 2 1/2 in	5/16 in 21/64 in	3 ¾ in 4.00 mm	OSG OSG	34YG26 34YG28	1½ in 118° Point A	1.5000 nale. Solit Poi	3 ½
3/8 in 7/16 in	0.3750	2 ¾ in 2 ⅔ in	3% in 7/16 in	4 1/4 in 4 1/2 in	OSG OSG	34YG31 34YG36	33/64 in 33/64 in	0.5156	3 1/8
1/2 in	0.5000	3 in	1/2 in	4 3/4 in	OSG	34YG41	17/32 in	0.5312	3 1/8
AIN Finish, I	Helical Flu	ite, Non-Coolant	Through, S	traight Shank	000	UT UT	35/64 in	0.5469	31/8
3/32 in	0.0938	22.00 mm	4 mm	58.00 mm	Widia	432F37	9/16 IN 9/16 in	0.5625	3 1/8
3/64 IN 3/8 in	0.1406	28.00 mm 2 % in	<u>6 mm</u> 25/64 in	4 1/32 in	Widia	432F63 432G53	³ / ₆₄ In ¹⁹ / ₃₂ in	0.5781	3 1/8
1/16 IN 1/2 in	0.4375	2 3/4 in 3 in	^{19/32} in ^{35/64} in	4 % in 4 % in	Widia	432G73 432H03	5% in 5% in	0.6250	3 1/1
5.00 mm N Finish, So	0.1969 Diral Flute.	44.00 mm Coolant Throug	6 mm h, Straight S	82.00 mm Shank	Widia	432F88	41/64 in 21/32 in	0.6406 0.6562	3 ½ 3 ½
18° Point An	igle, Split	Point 1 1/4 in	1/8 in	2 ¼ in	_	36XF11	21/32 in	0.6562	3 1/
N Finish, Sp	piral Flute,	Non-Coolant Th	rough, Strai	ght Shank			11/16 in	0.6875	3 1/1
5/32 in	0.1563	1 % in	5/32 in	2 ½ in	-	36XF17	3/4 in	0.7500	3 1/
N Finish, Sp 18° Point An	igle, Split	Point	n, straight a	onank		000/500	25/32 in	0.7812	3 1/1
19/64 in	0.2188	1 9/4 in 2 3/8 in	19/64 in	3 in 3 ¾ in	_	36XF29 36XF44	¹ ³ / ₁₆ in	0.8125 0.8125	3 1/8
3∕8 in #7	0.3750	2 3/4 in 1 3/4 in	3% in 3/16 in	4 1/4 in 3 in		36XF59 36XJ86		0.8438	3 1/8
#30 #40	0.1285	1 ¼ in 1 in	1/8 in 3/32 in	2 1/4 in 2 in	_	36XJ17 36XH86	¹⁵ /16 in 1 in	0.9375	3 1/8
NAI Finish, S	Spiral Flut	e, Coolant Throu Centering Point	ugh, Straigh	t with Three Fl	ats Shank		1 in 11/16 in	1.0000	3 1/8
1/2 in 9/16 in	0.5000	3 in	14 mm	4 % in	Walter Titex	40TK02	11/16 in	1.0625	3 1/8
6.80 mm	0.2677	53.00 mm	8 mm	91.00 mm	Walter Titex	401K23 40TH96	11/4 in	1.1250	3 1/8
0.80 mm	0.3465	71.00 mm	10 mm 12 mm	118.00 mm	Walter Titex	401J35 40TJ67	1 1/4 In 15/16 in	1.3125	3 1/8
11.00 mm 13.50 mm	0.4331 0.5315	71.00 mm 77.00 mm	12 mm 14 mm	118.00 mm 124.00 mm	Walter Titex Walter Titex	40TJ74 40TK12	1% in 135° Point A	1.3750 ngle, Split Poi	3 ½
14 00 mm	0.5512	77.00 mm	14 mm	124.00 mm	Walter Titex	40TK19	1⁄2 in	0.5000	3 3/8

For more information on Drill Bits, see page 2137.

	Wesm	ank	🚣 💠 CL	E-LINE.	Black Oxide Finish, Straight Shank 1P275		
ligh-Steel	Speed Drill B	its				8	
Drill Bit Size	Decimal Equivalent	Flute Length	Shank Dia.	Overall Length oh, Straight	Brand	ltem No.	
135° Point A	ngle, Split Poin	nt O in	14 in	C in		41/1147	
9/16 IN 5/8 in	0.5625	3 in 3 in	72 in 1/2 in	6 in	DeWalt	4KW17 4KW18	
¹¹ / ₁₆ in ³ / ₄ in	0.6875	3 in 3 in	1/2 in 1/2 in	6 in 6 in	DeWalt	4KW19 4KW20	
Black & Gold	Finish, Spiral	Flute, Non-C	oolant Throu	gh, Straight	with Three Flats Sh	ank	
¹¹ / ₁₆ in	0.6875	nt 3 ½ in	½ in	6 in	Westward	6WUW7	
Black Oxide 118° Point A	Finish, Spiral F nole. Conventi	Flute, Non-Co onal Point	olant Throug	h, Straight S	hank		
1/2 in	0.5000	3 1/8 in	1/2 in 1/6 in	6 in	Chicago-Latrobe	1P275	
³³ ⁄ ₆₄ in	0.5156	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1P277	
³³ ⁄64 in 17⁄32 in	0.5156	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Cle-Line Chicago-Latrobe	2BT43 1P279	
17/32 in	0.5312	3 1/8 in	1/2 in	6 in	Cle-Line	4AK48	
∛16 in %16 in	0.5625	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Chicago-Latrobe Cle-Line	1P283 5X989	
³⁷ ⁄ ₆₄ in	0.5781	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1P285	
¹⁹ 32 IN 5% in	0.5938	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Chicago-Latrobe	4AK49 1P300	
5% in	0.6250	3 1/8 in	1/2 in	6 in	Cle-Line	5X990	
21/32 in	0.6562	3 1/8 in	1/2 in	6 in	Cle-Line	4AK50	
11/16 in	0.6875	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1P308	
23/32 in	0.0075	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1P312	
²³ / ₃₂ in ³ / ₄ in	0.7188	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Westward Chicago-Latrobe	4UM72 1P316	
3/4 in	0.7500	3 1/8 in	1/2 in	6 in	Cle-Line	5X992	
⁴⁹ ⁄ ₆₄ in	0.7656	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Chicago-Latrobe Chicago-Latrobe	1P318 1P320	
25/32 in	0.7813	3 1/8 in	1/2 in	6 in	Westward	4UM76	
¹³ /16 IN	0.8125	3 1/8 IN 3 1/8 IN	<u> </u>	6 in 6 in	Cle-Line Chicago-Latrobe	5X993 1P334	
7/8 in	0.8750	3 1/8 in	3% in	6 in	Cle-Line	5X996	
15/16 in	0.8750	3 1/8 in	1/2 in	6 in	Cle-Line	1A051	
15/16 in	0.9375	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1P350	
1 in	1.0000	3 1/8 in	3% in	6 in	Cle-Line	5X997	
1 in 1 1/1e in	1.0000	3 1/8 in	1/2 in 1/2 in	6 in	Chicago-Latrobe	1P361 2UEY7	
1½ in	1.1250	3 1/8 in	1/2 in	6 in	Cle-Line	2BT66	
1½ in 1¾ 6 in	1.1250	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Westward Chicago-Latrobe	2UFX8 1P370	
1¼ in	1.2500	3 1/8 in	1/2 in	6 in	Cle-Line	2BT74	
1 1/4 IN 1 1/2 in	1.2500	3 1/8 IN 3 1/8 in	1/2 IN 1/2 in	6 in	Cle-Line	20FY1 2BT79	
1½ in	1.5000	3 1/8 in	1/2 in	6 in	Westward	2UFY5	
1½ in Black Oxide I	1.5000 Finish. Sniral F	3 ½ in Flute, Non-Co	1/2 in Iolant Throug	6 in h. Straight v	Uhicago-Latrobe vith Three Flats Sha	4EG95 nk	
18° Point A	ngle, Conventi	onal Point	16 in	6 in	Chiongo Latrak-	10070	
1 1/2 in	1.5000	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1N636	
18° Point A	ngle, Split Poin	nt 3.1/c in	16 in	6 in	Chicago-Latroba	1M977	
33/64 in	0.5156	3 1/8 in	1/2 in	6 in	Cle-Line	2TGK5	
17/32 in 17/32 in	0.5312	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Chicago-Latrobe Cle-Line	1M879 2TGK6	
35/64 in	0.5469	3 1/8 in	1/2 in	6 in	Cle-Line	2TGK7	
∛16 in 9∕16 in	0.5625	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Chicago-Latrobe Cle-Line	11/1883 2TGK8	
37/64 in	0.5781	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1M885	
¹⁹ /32 in 5/8 in	0.5938	3 1/8 in 3 1/8 in	1/2 in 1/2 in	6 in 6 in	Cle-Line Chicago-Latrobe	21GL1 1M891	
5/8 in	0.6250	3 1/8 in	1/2 in	6 in	Cle-Line	2TGL3	
²¹ /32 in	0.6562	3 1/8 IN 3 1/8 in	1/2 in	6 in	Chicago-Latrobe	21GL4 1M895	
21/32 in	0.6562	3 1/8 in	1/2 in	6 in	Cle-Line	2TGL5	
¹¹ / ₁₆ in	0.6675	3 1/8 in	1/2 in	6 in	Cle-Line	2TGL7	
²³ / ₃₂ in ³ / ₄ in	0.7188	3 1/8 in	1/2 in 1/2 in	6 in	Cle-Line Chicago-Latrobo	2TGL9 1M007	
3/4 in	0.7500	3 1/8 in	1/2 in	6 in	Cle-Line	2TGN2	
²⁵ / ₃₂ in ¹³ / ₁₆ in	0.7812	3 1/8 in 3 1/8 in	1/2 in 3/8 in	6 in 6 in	Cle-Line Chicago-Latrobe	2TGN4 1M915	
13/16 in	0.8125	3 1/8 in	1/2 in	6 in	Cle-Line	2TGN6	
21/32 IN 7/8 in	0.8438	3 1/8 IN 3 1/8 in	1/2 IN 1/2 in	6 in 6 in	Cle-Line Chicago-Latrobe	21GN8 1M923	
^{15/16} in	0.9375	3 1/8 in	1/2 in	6 in	Cle-Line	2TGP5	
1 in 1 in	1.0000	3 1/8 in 3 1/8 in	1/2 in	6 in	Cle-Line	2TGP9	
11/16 in	1.0625	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1M947	
1 1/16 IN 1 1/8 in	1.1250	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1M955	
11/4 in	1.2500	3 1/8 in	1/2 in	6 in	Chicago-Latrobe	1M971	
15/16 in	1.3125	3 1/8 in	1/2 in	6 in	Cle-Line	2TGR5	
1% in 135° Point A	1.3750 nole Split Poir	3 1/8 in	1/2 in	6 in	Cle-Line	2TGR6	
1/2 in	0.5000	3 ¾ in	1⁄2 in	5 in	Cle-Line	4GE11	

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