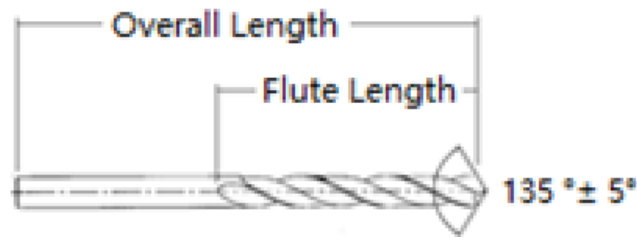




Drill Bit, Jobber, 135° Split Point, High Speed Steel, Black and Gold

This product standard contains the required dimensional, mechanical, performance, and chemical characteristics of the products shown in this purchase order (as applicable to the product). Unless specified below, current revisions of national or international standards shall be applicable as of the date of Fastenal's purchase order and must be adhered to in their entirety. If the order received does not meet these requirements, corrective action may be issued which could jeopardize your status as an approved supplier to Fastenal.



Fractional Table						
Part Number			Drill Size	Decimal	Flute Length	Overall Length
Bulk	Vend Pack					
				Tolerances See Table 2		
0345837	110345837	0345837V03	1/16	0.0625	7/8	1-7/8
0345838	-	-	5/64	0.0781	1	2
0345839	110345839	-	3/32	0.0938	1-1/4	2-1/4
0345840	110345840	-	7/64	0.1094	1-1/2	2-5/8
0345841	110345841	0345841V03	1/8	0.1250	1-5/8	2-3/4
0345842	110345842	0345842V03	9/64	0.1406	1-3/4	2-7/8
0345843	110345843	0345843V03	5/32	0.1562	2	3-1/8
0345844	110345844	0345844V03	11/64	0.1719	2-1/8	3-1/4
0345845	110345845	0345845V03	3/16	0.1875	2-5/16	3-1/2
0345846	110345846	0345846V03	13/64	0.2031	2-7/16	3-5/8
0345847	110345847	0345847V03	7/32	0.2188	2-1/2	3-3/4
0345848	110345848	-	15/64	0.2344	2-5/8	3-7/8
0345849	110345849	0345849V03	1/4	0.2500	2-3/4	4
0345850	110345850	0345850V03	17/64	0.2656	2-7/8	4-1/8

All dimensions are given in inches

RECORD OF REVISION CHANGES TO THIS DOCUMENT ARE LOCATED ON THE LAST PAGE



Fractional Table						
Part Number			Drill Size	Decimal	Flute Length	Overall Length
Bulk	Vend Pack					
				Tolerances See Table 2		
0345851	110345851	0345851V03	9/32	0.2812	2-15/16	4-1/4
0345852	-	-	19/64	0.2969	3-1/16	4-3/8
0345853	110345853	0345853V03	5/16	0.3125	3-3/16	4-1/2
0345854	110345854	-	21/64	0.3281	3-5/16	4-5/8
0345855	110345855	-	11/32	0.3438	3-7/16	4-3/4
0345856	110345856	-	23/64	0.3594	3-1/2	4-7/8
0345857	110345857	0345857V03	3/8	0.3750	3-5/8	5
0345858	110345858	0345858V03	25/64	0.3906	3-3/4	5-1/8
0345859	110345859	-	13/32	0.4062	3-7/8	5-1/4
0345860	110345860	0345860V02	27/64	0.4219	3-15/16	5-3/8
0345861	110345861	-	7/16	0.4375	4-1/16	5-1/2
0345862	110345862	-	29/64	0.4531	4-3/16	5-5/8
0345863	110345863	-	15/32	0.4688	4-5/16	5-3/4
0345864	110345864	-	31/64	0.4844	4-3/8	5-7/8
0345865	110345865	0345865V02	1/2	0.5000	4-1/2	6

All dimensions are given in inches



Number Size Table				
Part Number	Drill Size	Decimal	Flute Length	Overall Length
Bulk	Tolerances See Table 2			
0345925	#60	0.0400	11/16	1-5/8
0345924	#59	0.0410	11/16	1-5/8
0345923	#58	0.0420	11/16	1-5/8
0345922	#57	0.0430	3/4	1-3/4
0345921	#56	0.0465	3/4	1-3/4
0345920	#55	0.0520	7/8	1-7/8
0345919	#54	0.0550	7/8	1-7/8
0345918	#53	0.0595	7/8	1-7/8
0345917	#52	0.0635	7/8	1-7/8
0345916	#51	0.0670	1	2
0345915	#50	0.0700	1	2
0345914	#49	0.0730	1	2
0345913	#48	0.0760	1	2
0345912	#47	0.0785	1	2
0345911	#46	0.0810	1-1/8	2-1/8
0345910	#45	0.0820	1-1/8	2-1/8
0345909	#44	0.0860	1-1/8	2-1/8
0345908	#43	0.0890	1-1/4	2-1/4
0345907	#42	0.0935	1-1/4	2-1/4
0345906	#41	0.0960	1-3/8	2-3/8
0345905	#40	0.0980	1-3/8	2-3/8
0345904	#39	0.0995	1-3/8	2-3/8
0345903	#38	0.1015	1-7/16	2-1/2
0345902	#37	0.1040	1-7/16	2-1/2
0345901	#36	0.1065	1-7/16	2-1/2
0345900	#35	0.1100	1-1/2	2-5/8
0345899	#34	0.1110	1-1/2	2-5/8
0345898	#33	0.1130	1-1/2	2-5/8
0345897	#32	0.1160	1-5/8	2-3/4
0345896	#31	0.1200	1-5/8	2-3/4

All dimensions are given in inches



Number Size Table					
Part Number		Drill Size	Decimal	Flute Length	Overall Length
Bulk	Vend Pack				
			Tolerances See Table 2		
0345895	-	#30	0.1285	1-5/8	2-3/4
0345894	-	#29	0.1360	1-3/4	2-7/8
0345893	-	#28	0.1405	1-3/4	2-7/8
0345892	-	#27	0.1440	1-7/8	3
0345891	-	#26	0.1470	1-7/8	3
0345890		#25	0.1495	1-7/8	3
0345889	-	#24	0.1520	2	3-1/8
0345888	-	#23	0.1540	2	3-1/8
0345887	-	#22	0.1570	2	3-1/8
0345886	0345886V02	#21	0.1590	2-1/8	3-1/4
0345885	-	#20	0.1610	2-1/8	3-1/4
0345884	-	#19	0.1660	2-1/8	3-1/4
0345883	-	#18	0.1695	2-1/8	3-1/4
0345882	-	#17	0.1730	2-3/16	3-3/8
0345881	-	#16	0.1770	2-3/16	3-3/8
0345880	-	#15	0.1800	2-3/16	3-3/8
0345879	-	#14	0.1820	2-3/16	3-3/8
0345878	-	#13	0.1850	2-5/16	3-1/2
0345877	-	#12	0.1890	2-5/16	3-1/2
0345876	-	#11	0.1910	2-5/16	3-1/2
0345875	-	#10	0.1935	2-7/16	3-5/8
0345874	-	#9	0.1960	2-7/16	3-5/8
0345873	-	#8	0.1990	2-7/16	3-5/8
0345872	0345872V02	#7	0.2010	2-7/16	3-5/8
0345871	-	#6	0.2040	2-1/2	3-3/4
0345870	-	#5	0.2055	2-1/2	3-3/4
0345869	-	#4	0.2090	2-1/2	3-3/4
0345868	-	#3	0.2130	2-1/2	3-3/4
0345867	-	#2	0.2210	2-5/8	3-7/8
0345866	-	#1	0.2280	2-5/8	3-7/8

All dimensions are given in inches



Letter Size Table				
Part Number	Drill Size	Decimal	Flute Length	Overall Length
		Tolerances See Table 2		
0345926	A	0.2340	2-5/8	3-7/8
0345927	B	0.2380	2-3/4	4
0345928	C	0.2420	2-3/4	4
0345929	D	0.2460	2-3/4	4
0345930	E	0.2500	2-3/4	4
0345931	F	0.2570	2-7/8	4-1/8
0345932	G	0.2610	2-7/8	4-1/8
0345933	H	0.2660	2-7/8	4-1/8
0345934	I	0.2720	2-7/8	4-1/8
0345935	J	0.2770	2-7/8	4-1/8
0345936	K	0.2810	2-15/16	4-1/4
0345937	L	0.2900	2-15/16	4-1/4
0345938	M	0.2950	3-1/16	4-3/8
0345939	N	0.3020	3-1/16	4-3/8
0345940	O	0.3160	3-3/16	4-1/2
0345941	P	0.3230	3-5/16	4-5/8
0345942	Q	0.3320	3-7/16	4-3/4
0345943	R	0.3390	3-7/16	4-3/4
0345944	S	0.3480	3-1/2	4-7/8
0345945	T	0.3580	3-1/2	4-7/8
0345946	U	0.3680	3-5/8	5
0345947	V	0.3770	3-5/8	5
0345948	W	0.3860	3-3/4	5-1/8
0345949	X	0.3970	3-3/4	5-1/8
0345950	Y	0.4040	3-7/8	5-1/4
0345951	Z	0.4130	3-7/8	5-1/4

All dimensions are given in inches



Metric Table				
Part Number	Drill Size	Demical	Flute Length	Overall Length
Bulk		Tolerances See Table 2		
0345958	1.00	0.0394"	17	41
0345968	1.50	0.0591"	22	48
0345975	2.00	0.0787"	25	51
0345981	2.50	0.0984"	35	60
0345985	2.90	0.1142"	41	70
0345986	3.00	0.1181"	41	70
0345989	3.30	0.1299"	44	73
0345991	3.50	0.1378"	44	73
0345996	4.00	0.1575"	54	83
0345998	4.20	0.1654"	54	83
0346001	4.50	0.1772"	56	86
0346003	4.70	0.1850"	59	89
0346006	5.00	0.1969"	62	92
0346008	5.20	0.2047"	64	95
0346011	5.50	0.2165"	64	95
0346016	6.00	0.2362"	70	102
-	6.20	0.2441"	70	102
0346021	6.50	0.2559"	73	105
0346023	6.70	0.2638"	73	105
0346024	6.80	0.2677"	73	105
0346026	7.00	0.2756"	73	105
0346031	7.50	0.2953"	78	111
0346036	8.00	0.3150"	81	114
-	8.30	0.3268"	84	117
0346041	8.50	0.3346"	87	121
0346043	8.70	0.3425"	87	121
0346046	9.00	0.3543"	89	124
0346051	9.50	0.3740"	92	127
0346056	10.00	0.3937"	95	130
0346058	10.20	0.4016"	98	133
-	10.30	0.4055"	98	133
0346061	10.50	0.4134"	98	133
0346064	10.80	0.4252"	103	140
0346066	11.00	0.4331"	103	140
0346071	11.50	0.4528"	106	143
0346076	12.00	0.4724"	111	149
0346080	12.40	0.4882"	114	152
0346081	12.50	0.4921"	114	152
0346086	13.00	0.5118"	114	152

All dimensions are given in mm



Table 2				
Drill Size	Tolerance			
	Drill Diameter at Point		Flute and Overall Length	
	Plus	Minus	Plus	Minus
1/16" to 1/8"	0.0000"	0.0005"	1/8"	1/16"
9/64" to 1/4"	0.0000"	0.0007"	1/8"	1/8"
17/64" to 1/2"	0.0000"	0.0010"	1/8"	1/8"
#60 to #31	0.0000"	0.0005"	1/8"	1/16"
#30 to #1	0.0000"	0.0007"	1/8"	1/8"
A to E	0.0000"	0.0007"	1/8"	1/8"
F to Z	0.0000"	0.0010"	1/8"	1/8"
1.00 to 3.00	0.0000"	0.0005"	1/8"	1/16"
3.30 to 6.20	0.0000"	0.0007"	1/8"	1/8"
6.50 to 12.50	0.0000"	0.0010"	1/8"	1/8"
13.00	0.0000"	0.0012"	1/4"	1/8"

Specification Requirements:

- Dimensions: See table above
- Material: Molybdenum high speed steel per ASTM A600
- Hardness: 63-66 HRC from the point through 75% of flute length
- Point: 135° split
- Numbers of Flutes: 2
- Shank Type: Straight
- Marking: Size
HSS
Country of origin per 19 U.S.C. 1304
(no marking on drill size less than 1/8", #32 and 3.0)
- Package Marking: ORMADUS®
Part number
Size
UPC
Control number
Country of origin per 19 U.S.C. 1304
- Finish: Black and gold



Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
DRILL.J.135.SPLT.HSS.BG ORM	00	1/9/2024	Original document
DRILL.J.135.SPLT.HSS.BG ORM	01	1/30/2024	Removed MTC requirement

The rationale above may not include all of the changes within each revision. A complete review of the Fastenal Product Standard is required.