



GENERAL PURPOSE DRILLS

The Master brand drill line has been created with the Maintenance & Repair professional in mind.

Jobber Length Drill

Style 301JD



- Straight Shank - High Speed Steel
- 118° Point - General Purpose
- Designed for drilling a wide variety of material
- Black Oxide Surface Treatment increases wear resistance, reduces galling and chip welding, improves chip flow and increases drill lubricant retention.

Size	Decimal Equivalent	Flute Length	Overall Length	Pkg Qty	EDP#
60	0.0400	11/16	1.5/8	12	46480740
59	0.0410	11/16	1.5/8	12	46480741
58	0.0420	11/16	1.5/8	12	46480742
57	0.0430	3/4	1.3/4	12	46480743
56	0.0465	3/4	1.3/4	12	46480744
55	0.0520	7/8	1.7/8	12	46480745
54	0.0550	7/8	1.7/8	12	46480746
53	0.0595	7/8	1.7/8	12	46480747
1/16	0.0625	7/8	1.7/8	12	46480748
52	0.0635	7/8	1.7/8	12	46480749
51	0.0670	1"	2"	12	46480750
50	0.0700	1"	2"	12	46480751
49	0.0730	1"	2"	12	46480752
48	0.0760	1"	2"	12	46480753
5/64	0.0781	1"	2"	12	46480754
47	0.0785	1"	2"	12	46480755
46	0.0810	1.1/8	2.1/8	12	46480756
45	0.0820	1.1/8	2.1/8	12	46480757
44	0.0860	1.1/8	2.1/8	12	46480758
43	0.0890	1.1/4	2.1/4	12	46480759
42	0.0935	1.1/4	2.1/4	12	46480760
3/32	0.0938	1.1/4	2.1/4	12	46480761
41	0.0960	1.3/8	2.3/8	12	46480762
40	0.0980	1.3/8	2.3/8	12	46480763
39	0.0995	1.3/8	2.3/8	12	46480764
38	0.1015	1.7/16	2.1/2	12	46480765
37	0.1040	1.7/16	2.1/2	12	46480766
36	0.1065	1.7/16	2.1/2	12	46480767
7/64	0.1094	1.1/2	2.5/8	12	46480768
35	0.1100	1.1/2	2.5/8	12	46480769
34	0.1110	1.1/2	2.5/8	12	46480770

Size	Decimal Equivalent	Flute Length	Overall Length	Pkg Qty	EDP#
33	0.1130	1.1/2	2.5/8	12	46480771
32	0.1160	1.5/8	2.3/4	12	46480772
31	0.1200	1.5/8	2.3/4	12	46480773
1/8	0.1250	1.5/8	2.3/4	12	46480774
30	0.1285	1.5/8	2.3/4	12	46480775
29	0.1360	1.3/4	2.7/8	12	46480776
28	0.1405	1.3/4	2.7/8	12	46480777
9/64	0.1406	1.3/4	2.7/8	12	46480778
27	0.1440	1.7/8	3"	12	46480779
26	0.1470	1.7/8	3"	12	46480780
25	0.1495	1.7/8	3"	12	46480781
24	0.1520	2"	3.1/8	12	46480782
23	0.1540	2"	3.1/8	12	46480783
5/32	0.1562	2"	3.1/8	12	46480784
22	0.1570	2"	3.1/8	12	46480785
21	0.1590	2.1/8	3.1/4	12	46480786
20	0.1610	2.1/8	3.1/4	12	46480787
19	0.1660	2.1/8	3.1/4	12	46480788
18	0.1695	2.1/8	3.1/4	12	46480789
11/64	0.1719	2.1/8	3.1/4	12	46480790
17	0.1730	2.3/16	3.3/8	12	46480791
16	0.1770	2.3/16	3.3/8	12	46480792
15	0.1800	2.3/16	3.3/8	12	46480793
14	0.1820	2.3/16	3.3/8	12	46480794
13	0.1850	2.5/16	3.1/2	12	46480795
3/16	0.1875	2.5/16	3.1/2	12	46480796
12	0.1890	2.5/16	3.1/2	12	46480797
11	0.1910	2.5/16	3.1/2	12	46480798
10	0.1935	2.7/16	3.5/8	12	46480799
9	0.1960	2.7/16	3.5/8	12	46480800
8	0.1990	2.7/16	3.5/8	12	46480801

301JD (sizes continued on next page)

301JD (sizes continued)

Size	Decimal Equivalent	Flute Length	Overall Length	Pkg Qty	EDP#
7	0.2010	2.7/16	3.5/8	12	46480802
13/64	0.2031	2.7/16	3.5/8	12	46480803
6	0.2040	2.1/2	3.3/4	12	46480804
5	0.2055	2.1/2	3.3/4	12	46480805
4	0.2090	2.1/2	3.3/4	12	46480806
3	0.2130	2.1/2	3.3/4	12	46480807
7/32	0.2188	2.1/2	3.3/4	12	46480808
2	0.2210	2.5/8	3.7/8	12	46480809
1	0.2280	2.5/8	3.7/8	12	46480810
A	0.2340	2.5/8	3.7/8	12	46480811
15/64	0.2344	2.5/8	3.7/8	12	46480812
B	0.2380	2.3/4	4"	12	46480813
C	0.2420	2.3/4	4"	12	46480814
D	0.2460	2.3/4	4"	12	46480815
1/4	0.2500	2.3/4	4"	12	46480816
E	0.2500	2.3/4	4"	12	46480817
F	0.2570	2.7/8	4.1/8	12	46480818
G	0.2610	2.7/8	4.1/8	12	46480819
17/64	0.2656	2.7/8	4.1/8	12	46480820
H	0.2660	2.7/8	4.1/8	12	46480821
I	0.2720	2.7/8	4.1/8	12	46480822
J	0.2770	2.7/8	4.1/8	12	46480823
K	0.2810	2.15/16	4.1/4	12	46480824
9/32	0.2812	2.15/16	4.1/4	12	46480825
L	0.2900	2.15/16	4.1/4	12	46480826
M	0.2950	3.1/16	4.3/8	12	46480827
19/64	0.2969	3.1/16	4.3/8	12	46480828
N	0.3020	3.1/16	4.3/8	12	46480829
5/16	0.3125	3.3/16	4.1/2	6	46480830
O	0.3160	3.3/16	4.1/2	6	46480831
P	0.3230	3.5/16	4.5/8	6	46480832
21/64	0.3281	3.5/16	4.5/8	6	46480833
Q	0.3320	3.7/16	4.3/4	6	46480834
R	0.3390	3.7/16	4.3/4	6	46480835
11/32	0.3438	3.7/16	4.3/4	6	46480836
S	0.3480	3.1/2	4.7/8	6	46480837
T	0.3580	3.1/2	4.7/8	6	46480838
23/64	0.3594	3.1/2	4.7/8	6	46480839
U	0.3680	3.5/8	5"	6	46480840
3/8	0.3750	3.5/8	5"	6	46480841
V	0.3770	3.5/8	5"	6	46480842
W	0.3860	3.3/4	5.1/8	6	46480843
25/64	0.3906	3.3/4	5.1/8	6	46480844
X	0.3970	3.3/4	5.1/8	6	46480845
Y	0.4040	3.7/8	5.1/4	6	46480846
13/32	0.4063	3.7/8	5.1/4	6	46480847
Z	0.4130	3.7/8	5.1/4	6	46480848
27/64	0.4219	3.15/16	5.3/8	6	46480849
7/16	0.4375	4.1/16	5.1/2	6	46480850
29/64	0.4531	4.3/16	5.5/8	6	46480851
15/32	0.4688	4.5/16	5.3/4	6	46480852
31/64	0.4844	4.3/8	5.7/8	6	46480853
1/2	0.5000	4.1/2	6"	6	46480854

301JDSET29-Set

Size	Tool Style	Pieces per set	EDP#
1/16-1/2 x 64ths	301JD	29	46481072



Mechanics Length Drill

Style 321MD

- Shorter length than jobber length - midway between a jobber and a screw machine length - allows access to those tight jobs.
- 135° self-centering split point eliminates "walking" and reduces drilling effort. Recommended for a wide variety of low to medium tensile strength materials.
- Shorter length results in a sturdier, more rigid drill that is less prone to breakage.
- 3/16" and above feature 3-flats on the shank to eliminate slipping in the drill chuck. Sizes below 3/16" feature standard round shank.

Point: 135° Split Point
 Material: High Speed Steel
 Coating/Finish: Black & Bronze Oxide
 Other Features: Heavy Duty Construction
 3-flats on the shank



Size	Decimal Equiv	Flute Lgth	OAL	Pkg Qty	EDP#
1/16	0.0625	7/8	1.7/8	12	46480970
5/64	0.0781	1"	2"	12	46480971
3/32	0.0938	1.1/4	2.1/4	12	46480972
7/64	0.1094	1.5/16	2.3/8	12	46480973
1/8	0.1250	1.7/16	2.1/2	12	46480974
9/64	0.1406	1.9/16	2.5/8	12	46480975
5/32	0.1562	1.11/16	2.3/4	12	46480976
11/64	0.1719	1.13/16	2.7/8	12	46480977
3/16	0.1875	1.7/8	3"	12	46480978
13/64	0.2031	1.15/16	3.1/8	12	46480979
7/32	0.2188	2"	3.1/4	12	46480980
15/64	0.2344	2.1/16	3.3/8	12	46480981
1/4	0.2500	2"	3.1/2	12	46480982
17/64	0.2656	2.1/8	3.5/8	12	46480983
9/32	0.2812	2.1/4	3.3/4	12	46480984
19/64	0.2969	2.3/8	3.7/8	12	46480985
5/16	0.3125	2.1/2	4"	6	46480986
21/64	0.3281	2.9/16	4.1/16	6	46480987
11/32	0.3438	2.5/8	4.1/8	6	46480988
23/64	0.3594	2.11/16	4.3/16	6	46480989
3/8	0.3750	2.11/16	4.1/4	6	46480990
25/64	0.3906	2.3/4	4.5/16	6	46480991
13/32	0.4063	2.13/16	4.3/8	6	46480992
27/64	0.4219	2.7/8	4.7/16	6	46480993
7/16	0.4375	2.15/16	4.1/2	6	46480994
29/64	0.4531	3"	4.5/8	6	46480995
15/32	0.4688	3.1/8	4.3/4	6	46480996
31/64	0.4844	3.1/4	4.7/8	6	46480997
1/2	0.5000	3.3/8	5"	6	46480998

321MDSET29 Set

Size	Tool Style	Pieces per set	EDP#
1/16-1/2 x 64ths	321MD	29	46481073



Screw Machine Drill

Style 311SM



- Straight Shank - High Speed Steel
- 135° Split Point - Heavy Duty
- Designed for drilling a wide variety of material

- Black Oxide Surface Treatment increases wear resistance, reduces galling and chip welding, improves chip flow and increases drill lubricant retention.

Size	Decimal Equivalent	Flute Length	Overall Length	Pkg Qty	EDP#
60	0.0400	1/2	1.3/8	12	46480855
59	0.0410	1/2	1.3/8	12	46480856
58	0.0420	1/2	1.3/8	12	46480857
57	0.0430	1/2	1.3/8	12	46480858
56	0.0465	1/2	1.3/8	12	46480859
55	0.0520	5/8	1.5/8	12	46480860
54	0.0550	5/8	1.5/8	12	46480861
53	0.0595	5/8	1.5/8	12	46480862
1/16	0.0625	5/8	1.5/8	12	46480863
52	0.0635	11/16	1.11/16	12	46480864
51	0.0670	11/16	1.11/16	12	46480865
50	0.0700	11/16	1.11/16	12	46480866
49	0.0730	11/16	1.11/16	12	46480867
48	0.0760	11/16	1.11/16	12	46480868
5/64	0.0781	11/16	1.11/16	12	46480869
47	0.0785	11/16	1.11/16	12	46480870
46	0.0810	3/4	1.3/4	12	46480871
45	0.0820	3/4	1.3/4	12	46480872
44	0.0860	3/4	1.3/4	12	46480873
43	0.0890	3/4	1.3/4	12	46480874
42	0.0935	3/4	1.3/4	12	46480875
3/32	0.0938	3/4	1.3/4	12	46480876
41	0.0960	13/16	1.13/16	12	46480877
40	0.0980	13/16	1.13/16	12	46480878
39	0.0995	13/16	1.13/16	12	46480879
38	0.1015	13/16	1.13/16	12	46480880
37	0.1040	13/16	1.13/16	12	46480881
36	0.1065	13/16	1.13/16	12	46480882
7/64	0.1094	13/16	1.13/16	12	46480883
35	0.1100	7/8	1.7/8	12	46480884
34	0.1110	7/8	1.7/8	12	46480885
33	0.1130	7/8	1.7/8	12	46480886
32	0.1160	7/8	1.7/8	12	46480887
31	0.1200	7/8	1.7/8	12	46480888
1/8	0.1250	7/8	1.7/8	12	46480889
30	0.1285	15/16	1.15/16	12	46480890
29	0.1360	15/16	1.15/16	12	46480891
28	0.1405	15/16	1.15/16	12	46480892
9/64	0.1406	15/16	1.15/16	12	46480893
27	0.1440	1"	2.1/16	12	46480894
26	0.1470	1"	2.1/16	12	46480895
25	0.1495	1"	2.1/16	12	46480896
24	0.1520	1"	2.1/16	12	46480897
23	0.1540	1"	2.1/16	12	46480898
5/32	0.1563	1"	2.1/16	12	46480899
22	0.1570	1.1/16	2.1/8	12	46480900
21	0.1590	1.1/16	2.1/8	12	46480901
20	0.1610	1.1/16	2.1/8	12	46480902
19	0.1660	1.1/16	2.1/8	12	46480903
18	0.1695	1.1/16	2.1/8	12	46480904
11/64	0.1719	1.1/16	2.1/8	12	46480905
17	0.1730	1.1/8	2.3/16	12	46480906
16	0.1770	1.1/8	2.3/16	12	46480907

Size	Decimal Equivalent	Flute Length	Overall Length	Pkg Qty	EDP#
15	0.1800	1.1/8	2.3/16	12	46480908
14	0.1820	1.1/8	2.3/16	12	46480909
13	0.1850	1.1/8	2.3/16	12	46480910
3/16	0.1875	1.1/8	2.3/16	12	46480911
12	0.1890	1.3/16	2.1/4	12	46480912
11	0.1910	1.3/16	2.1/4	12	46480913
10	0.1935	1.3/16	2.1/4	12	46480914
9	0.1960	1.3/16	2.1/4	12	46480915
8	0.1990	1.3/16	2.1/4	12	46480916
7	0.2010	1.3/16	2.1/4	12	46480917
13/64	0.2031	1.3/16	2.1/4	12	46480918
6	0.2040	1.1/4	2.3/8	12	46480919
5	0.2055	1.1/4	2.3/8	12	46480920
4	0.2090	1.1/4	2.3/8	12	46480921
3	0.2130	1.1/4	2.3/8	12	46480922
7/32	0.2188	1.1/4	2.3/8	12	46480923
2	0.2210	1.5/16	2.7/16	12	46480924
1	0.2280	1.5/16	2.7/16	12	46480925
A	0.2340	1.5/16	2.7/16	12	46480926
15/64	0.2344	1.5/16	2.7/16	12	46480927
B	0.2380	1.3/8	2.1/2	12	46480928
C	0.2420	1.3/8	2.1/2	12	46480929
D	0.2460	1.3/8	2.1/2	12	46480930
1/4	0.2500	1.3/8	2.1/2	12	46480931
E	0.2500	1.3/8	2.1/2	12	46480932
F	0.2570	1.7/16	2.5/8	12	46480933
G	0.2610	1.7/16	2.5/8	12	46480934
17/64	0.2656	1.7/16	2.5/8	12	46480935
H	0.2660	1.1/2	2.11/16	12	46480936
I	0.2720	1.1/2	2.11/16	12	46480937
J	0.2770	1.1/2	2.11/16	12	46480938
K	0.2810	1.1/2	2.11/16	12	46480939
9/32	0.2813	1.1/2	2.11/16	12	46480940
L	0.2900	1.9/16	2.3/4	12	46480941
M	0.2950	1.9/16	2.3/4	12	46480942
19/64	0.2969	1.9/16	2.3/4	12	46480943
N	0.3020	1.5/8	2.13/16	12	46480944
5/16	0.3125	1.5/8	2.13/16	6	46480945
O	0.3160	1.11/16	2.15/16	6	46480946
P	0.3230	1.11/16	2.15/16	6	46480947
21/64	0.3281	1.11/16	2.15/16	6	46480948
Q	0.3320	1.11/16	3"	6	46480949
R	0.3390	1.11/16	3"	6	46480950
11/32	0.3438	1.11/16	3"	6	46480951
S	0.3480	1.3/4	3.1/16	6	46480952
T	0.3580	1.3/4	3.1/16	6	46480953
23/64	0.3594	1.3/4	3.1/16	6	46480954
U	0.3680	1.13/16	3.1/8	6	46480955
3/8	0.3750	1.13/16	3.1/8	6	46480956
V	0.3770	1.7/8	3.1/4	6	46480957
W	0.3860	1.7/8	3.1/4	6	46480958
25/64	0.3906	1.7/8	3.1/4	6	46480959
X	0.3970	1.15/16	3.5/16	6	46480960

311SM (sizes continued on next page)

SIMPLY RELIABLE

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