



# Drills for Industrial Maintenance and Repair Applications





Dormer Pramet is your one-stop manufacturer with a comprehensive program of rotary and indexable tooling with more than 150 years of industry experience. Our core offer includes drilling, milling, threading and turning tools for the general engineering sector. Market-leading brands include Precision Twist Drill (PTD), Union Butterfield, Dormer and Pramet.

As a full service supplier, we are committed to assisting our customers in implementing their machining processes efficiently with productivity as our goal.

Since its founding in 1952, the Precision Twist Drill brand of cutting tools has represented both reliability and quality to its extensive customer base. This standard continues with the **PRECISIONLIGHT** program of drills introduced specifically for the MRO (Maintenance, Repair and Overhaul) market and proudly manufactured in the USA.

Delivering affordable reliability to the maintenance and repair professional, the program meets user needs with a broad offering of screw machine, jobber, mechanics length and reduced shank drills. The **PRECISIONLIGHT** program continues to support the one-stop-shop philosophy of Dormer Pramet while carrying on the established tradition of Precision Twist Drill quality and performance.

## **WORK** **LIGHT**

The focus product design within the **PRECISIONLIGHT** program is the **WORKLIGHT**. This unique design is optimized for ease of use and reliability and includes enhanced penetration geometry that improves chip evacuation, allows cutting fluid better access to the point and reduces the effort required to push the drill through the workpiece. The **WORKLIGHT** drill design is offered in five series' 332HD, 333HD, 312SM, 342SDT and 344RS.





# Index

Description	Style	Page
<b>General Purpose Jobber Length</b>	301JD .....	4-5
<b>Heavy Duty Jobber Length</b>	331HD .....	6-7
	332HD .....	6-7
	333HD .....	6-7
<b>Heavy Duty Screw Machine</b>	311SM .....	8-9
	312SM .....	8-9
<b>Heavy Duty Mechanics Length</b>	321MD .....	10
	322MD .....	10
<b>Silver &amp; Deming</b>	341SD .....	11
	342SDT.....	12
<b>Reduced Shank</b>	344RS .....	12
	345RSS.....	13
	345RSM.....	13
	346RS .....	13
<b>Drill Sets</b>	301JDSET29 .....	14
	301JDSET15 .....	14
	331HDSET29 .....	14
	331HDSET15 .....	14
	332HDSET29 .....	14
	332HDSET15 .....	14
	333HDSET29 .....	14
	321MDSET29 .....	14
	321MDSET15 .....	14
	311SMSET29 .....	14
	341SDSET8 .....	14
	342SDSET8 .....	14
<b>Terms &amp; Conditions</b>	.....	15

# General Purpose Jobber Length Drills

118° Point, Steam Oxide

Designed for general purpose portable and machine drilling under a wide range of operating conditions in various materials. Surface treated with a black steam oxide finish for abrasion resistance and improved coolant adherence.



## 301JD



Drill Sizes				Flute Length	Over-All-Length	Pkg Qty	EDP#
Fractional	Wire Gauge	Letter	Decimal				
	N60		0.0400	11/16	1.5/8	12	46480740
	N59		0.0410	11/16	1.5/8	12	46480741
	N58		0.0420	11/16	1.5/8	12	46480742
	N57		0.0430	3/4	1.3/4	12	46480743
	N56		0.0465	3/4	1.3/4	12	46480744
	N55		0.0520	7/8	1.7/8	12	46480745
	N54		0.0550	7/8	1.7/8	12	46480746
	N53		0.0595	7/8	1.7/8	12	46480747
1/16			0.0625	7/8	1.7/8	12	46480748
	N52		0.0635	7/8	1.7/8	12	46480749
	N51		0.0670	1"	2"	12	46480750
	N50		0.0700	1"	2"	12	46480751
	N49		0.0730	1"	2"	12	46480752
	N48		0.0760	1"	2"	12	46480753
5/64			0.0781	1"	2"	12	46480754
	N47		0.0785	1"	2"	12	46480755
	N46		0.0810	1.1/8	2.1/8	12	46480756
	N45		0.0820	1.1/8	2.1/8	12	46480757
	N44		0.0860	1.1/8	2.1/8	12	46480758
	N43		0.0890	1.1/4	2.1/4	12	46480759
	N42		0.0935	1.1/4	2.1/4	12	46480760
3/32			0.0937	1.1/4	2.1/4	12	46480761
	N41		0.0960	1.3/8	2.3/8	12	46480762
	N40		0.0980	1.3/8	2.3/8	12	46480763
	N39		0.0995	1.3/8	2.3/8	12	46480764
	N38		0.1015	1.7/16	2.1/2	12	46480765
	N37		0.1040	1.7/16	2.1/2	12	46480766
	N36		0.1065	1.7/16	2.1/2	12	46480767
7/64			0.1094	1.1/2	2.5/8	12	46480768
	N35		0.1100	1.1/2	2.5/8	12	46480769
	N34		0.1110	1.1/2	2.5/8	12	46480770
	N33		0.1130	1.1/2	2.5/8	12	46480771
	N32		0.1160	1.5/8	2.3/4	12	46480772
	N31		0.1200	1.5/8	2.3/4	12	46480773
1/8			0.1250	1.5/8	2.3/4	12	46480774
	N30		0.1285	1.5/8	2.3/4	12	46480775
	N29		0.1360	1.3/4	2.7/8	12	46480776
	N28		0.1405	1.3/4	2.7/8	12	46480777
9/64			0.1406	1.3/4	2.7/8	12	46480778
	N27		0.1440	1.7/8	3"	12	46480779
	N26		0.1470	1.7/8	3"	12	46480780
	N25		0.1495	1.7/8	3"	12	46480781
	N24		0.1520	2"	3.1/8	12	46480782
	N23		0.1540	2"	3.1/8	12	46480783
5/32			0.1563	2"	3.1/8	12	46480784
	N22		0.1570	2"	3.1/8	12	46480785
	N21		0.1590	2.1/8	3.1/4	12	46480786
	N20		0.1610	2.1/8	3.1/4	12	46480787
	N19		0.1660	2.1/8	3.1/4	12	46480788
	N18		0.1695	2.1/8	3.1/4	12	46480789
11/64			0.1719	2.1/8	3.1/4	12	46480790
			0.1730	2.3/16	3.3/8	12	46480791
	N16		0.1770	2.3/16	3.3/8	12	46480792
	N15		0.1800	2.3/16	3.3/8	12	46480793
	N14		0.1820	2.3/16	3.3/8	12	46480794
	N13		0.1850	2.5/16	3.1/2	12	46480795
3/16			0.1875	2.5/16	3.1/2	12	46480796
	N12		0.1890	2.5/16	3.1/2	12	46480797



# General Purpose Jobber Length Drills

118° Point, Steam Oxide

continued

Fractional	Drill Sizes			Flute Length	Over-All-Length	Pkg Qty	EDP#
	Wire Gauge	Letter	Decimal				
	N11		0.1910	2.5/16	3.1/2	12	46480798
	N10		0.1935	2.7/16	3.5/8	12	46480799
	N9		0.1960	2.7/16	3.5/8	12	46480800
	N8		0.1990	2.7/16	3.5/8	12	46480801
	N7		0.2010	2.7/16	3.5/8	12	46480802
13/64			0.2031	2.7/16	3.5/8	12	46480803
	N6		0.2040	2.1/2	3.3/4	12	46480804
	N5		0.2055	2.1/2	3.3/4	12	46480805
	N4		0.2090	2.1/2	3.3/4	12	46480806
	N3		0.2130	2.1/2	3.3/4	12	46480807
7/32			0.2187	2.1/2	3.3/4	12	46480808
	N2		0.2210	2.5/8	3.7/8	12	46480809
	N1		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
		E	0.2500	2.3/4	4"	12	46480817
1/4			0.2500	2.3/4	4"	12	46480816
		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			0.2813	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			0.4687	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

# Heavy Duty Jobber Length Drills



## 135° Split Point

Web construction is heavier than the 301JD general purpose drills providing greater rigidity & strength in drilling medium strength alloy materials. The Self-Centering 135° Split Point additionally reduces the thrust requirements and minimizes 'walking' particularly on curved surfaces.

### 331HD - Steam Oxide

for improved abrasion resistance.



### 332HD - Steam & Bronze Oxide

**WORK LIGHT** abrasion resistance & improved lubricity, enhanced penetration geometry



### 333HD - TiN Coated

**WORK LIGHT** Titanium Nitride (TiN) surface finish which provides an effective 'heat shield' together with higher lubricity at higher speeds & feeds, enhanced penetration geometry



Drill Sizes				Flute Length	Over-All- Length	Pkg Qty	331HD EDP#	332HD EDP#	333HD EDP#
Fractional	Wire Gauge	Letter	Decimal						
	N60		0.0400	11/16	1.5/8	12	47233628	47233745	
	N59		0.0410	11/16	1.5/8	12	47233627	47233744	
	N58		0.0420	11/16	1.5/8	12	47233626	47233743	
	N57		0.0430	3/4	1.3/4	12	47233625	47233742	
	N56		0.0465	3/4	1.3/4	12	47233624	47233741	
	N55		0.0520	7/8	1.7/8	12	47233623	47233740	
	N54		0.0550	7/8	1.7/8	12	47233622	47233739	
	N53		0.0595	7/8	1.7/8	12	47233621	47233738	
1/16			0.0625	7/8	1.7/8	12	46480999	47233631	47233748
	N52		0.0635	7/8	1.7/8	12	47233620	47233737	
	N51		0.0670	1"	2"	12	47233619	47233736	
	N50		0.0700	1"	2"	12	47233618	47233735	
	N49		0.0730	1"	2"	12	47233617	47233734	
	N48		0.0760	1"	2"	12	47233616	47233733	
5/64			0.0781	1"	2"	12	46481000	47233632	47233749
	N47		0.0785	1"	2"	12	47233615	47233732	
	N46		0.0810	1.1/8	2.1/8	12	47233614	47233731	
	N45		0.0820	1.1/8	2.1/8	12	47233613	47233730	
	N44		0.0860	1.1/8	2.1/8	12	47233612	47233729	
	N43		0.0890	1.1/4	2.1/4	12	47233611	47233728	
	N42		0.0935	1.1/4	2.1/4	12	47233610	47233727	
3/32			0.0937	1.1/4	2.1/4	12	46481001	47233633	47233750
	N41		0.0960	1.3/8	2.3/8	12	47233609	47233726	
	N40		0.0980	1.3/8	2.3/8	12	47233608	47233725	
	N39		0.0995	1.3/8	2.3/8	12	47233607	47233724	
	N38		0.1015	1.7/16	2.1/2	12	47233606	47233723	
	N37		0.1040	1.7/16	2.1/2	12	47233605	47233722	
	N36		0.1065	1.7/16	2.1/2	12	47233604	47233721	
7/64			0.1094	1.1/2	2.5/8	12	46481002	47233634	47233751
	N35		0.1100	1.1/2	2.5/8	12	47233603	47233720	
	N34		0.1110	1.1/2	2.5/8	12	47233602	47233719	
	N33		0.1130	1.1/2	2.5/8	12	47233601	47233718	
	N32		0.1160	1.5/8	2.3/4	12	47233600	47233717	
	N31		0.1200	1.5/8	2.3/4	12	47233599	47233716	
1/8			0.1250	1.5/8	2.3/4	12	46481003	47233635	47233752
	N30		0.1285	1.5/8	2.3/4	12	47233598	47233715	
	N29		0.1360	1.3/4	2.7/8	12	47233597	47233714	
	N28		0.1405	1.3/4	2.7/8	12	47233596	47233713	
9/64			0.1406	1.3/4	2.7/8	12	46481004	47233636	47233753
	N27		0.1440	1.7/8	3"	12	47233595	47233712	
	N26		0.1470	1.7/8	3"	12	47233594	47233711	
	N25		0.1495	1.7/8	3"	12	47233593	47233710	
	N24		0.1520	2"	3.1/8	12	47233592	47233709	
	N23		0.1540	2"	3.1/8	12	47233591	47233708	
5/32			0.1563	2"	3.1/8	12	46481005	47233637	47233754
	N22		0.1570	2"	3.1/8	12	47233590	47233707	
	N21		0.1590	2.1/8	3.1/4	12	47233589	47233706	
	N20		0.1610	2.1/8	3.1/4	12	47233588	47233705	



# Heavy Duty Jobber Length Drills

135° Split Point

continued

Drill Sizes				Flute Length	Over-All- Length	Pkg Qty	331HD EDP#	332HD EDP#	333HD EDP#
Fractional	Wire Gauge	Letter	Decimal						
	N19		0.1660	2.1/8	3.1/4	12	47233587	47233704	
	N18		0.1695	2.1/8	3.1/4	12	47233586	47233703	
11/64			0.1719	2.1/8	3.1/4	12	46481006	47233638	47233755
	N17		0.1730	2.3/16	3.3/8	12	47233585	47233702	
	N16		0.1770	2.3/16	3.3/8	12	47233584	47233701	
	N15		0.1800	2.3/16	3.3/8	12	47233583	47233700	
	N14		0.1820	2.3/16	3.3/8	12	47233582	47233699	
	N13		0.1850	2.5/16	3.1/2	12	47233581	47233698	
3/16			0.1875	2.5/16	3.1/2	12	46481007	47233639	47233756
	N12		0.1890	2.5/16	3.1/2	12	47233580	47233697	
	N11		0.1910	2.5/16	3.1/2	12	47233579	47233696	
	N10		0.1935	2.7/16	3.5/8	12	47233578	47233695	
	N9		0.1960	2.7/16	3.5/8	12	47233577	47233694	
	N8		0.1990	2.7/16	3.5/8	12	47233576	47233693	
	N7		0.2010	2.7/16	3.5/8	12	47233575	47233692	
13/64			0.2031	2.7/16	3.5/8	12	46481008	47233640	47233757
	N6		0.2040	2.1/2	3.3/4	12	47233574	47233691	
	N5		0.2055	2.1/2	3.3/4	12	47233573	47233690	
	N4		0.2090	2.1/2	3.3/4	12	47233572	47233689	
	N3		0.2130	2.1/2	3.3/4	12	47233571	47233688	
7/32			0.2187	2.1/2	3.3/4	12	46481009	47233641	47233758
	N2		0.2210	2.5/8	3.7/8	12	47233570	47233687	
	N1		0.2280	2.5/8	3.7/8	12	47233569	47233686	
		A	0.2340	2.5/8	3.7/8	12	47233503	47233660	
15/64			0.2344	2.5/8	3.7/8	12	46481010	47233642	47233759
		B	0.2380	2.3/4	4"	12	47233504	47233661	
		C	0.2420	2.3/4	4"	12	47233505	47233662	
		D	0.2460	2.3/4	4"	12	47233506	47233663	
		E	0.2500	2.3/4	4"	12	47233507	47233664	
1/4			0.2500	2.3/4	4"	12	46481011	47233643	47233760
		F	0.2570	2.7/8	4.1/8	12	47233508	47233665	
		G	0.2610	2.7/8	4.1/8	12	47233509	47233666	
17/64			0.2656	2.7/8	4.1/8	12	46481012	47233644	47233761
		H	0.2660	2.7/8	4.1/8	12	47233550	47233667	
		I	0.2720	2.7/8	4.1/8	12	47233551	47233668	
		J	0.2770	2.7/8	4.1/8	12	47233552	47233669	
		K	0.2810	2.15/16	4.1/4	12	47233553	47233670	
9/32			0.2813	2.15/16	4.1/4	12	46481013	47233645	47233762
		L	0.2900	2.15/16	4.1/4	12	47233554	47233671	
		M	0.2950	3.1/16	4.3/8	12	47233555	47233672	
19/64			0.2969	3.1/16	4.3/8	12	46481014	47233646	47233763
		N	0.3020	3.1/16	4.3/8	12	47233556	47233673	
5/16			0.3125	3.3/16	4.1/2	6	46481015	47233647	47233764
		O	0.3160	3.3/16	4.1/2	6	47233557	47233674	
		P	0.3230	3.5/16	4.5/8	6	47233558	47233675	
21/64			0.3281	3.5/16	4.5/8	6	46481016	47233648	47233765
		Q	0.3320	3.7/16	4.3/4	6	47233559	47233676	
		R	0.3390	3.7/16	4.3/4	6	47233560	47233677	
11/32			0.3438	3.7/16	4.3/4	6	46481017	47233649	47233766
		S	0.3480	3.1/2	4.7/8	6	47233561	47233678	
		T	0.3580	3.1/2	4.7/8	6	47233562	47233679	
23/64			0.3594	3.1/2	4.7/8	6	46481018	47233650	47233767
		U	0.3680	3.5/8	5"	6	47233563	47233680	
3/8			0.3750	3.5/8	5"	6	46481019	47233651	47233768
		V	0.3770	3.5/8	5"	6	47233564	47233681	
		W	0.3860	3.3/4	5.1/8	6	47233565	47233682	
25/64			0.3906	3.3/4	5.1/8	6	46481020	47233652	47233769
		X	0.3970	3.3/4	5.1/8	6	47233566	47233683	
		Y	0.4040	3.7/8	5.1/4	6	47233567	47233684	
13/32			0.4063	3.7/8	5.1/4	6	46481021	47233653	47233770
		Z	0.4130	3.7/8	5.1/4	6	47233568	47233685	
27/64			0.4219	3.15/16	5.3/8	6	46481022	47233654	47233771
7/16			0.4375	4.1/16	5.1/2	6	46481023	47233655	47233772
29/64			0.4531	4.3/16	5.5/8	6	46481024	47233656	47233773
15/32			0.4687	4.5/16	5.3/4	6	46481025	47233657	47233774
31/64			0.4844	4.3/8	5.7/8	6	46481026	47233658	47233775
1/2			0.5000	4.1/2	6"	6	46481027	47233659	47233776

# Heavy Duty Screw Machine Length Drills



## 135° Split Point

The short flute and overall length increases their rigidity, which improves hole accuracy and subsequently extends tool life. The Self-Centering 135° Split Point additionally reduces the thrust requirements and minimizes 'walking' particularly on curved surfaces. Recommended for use in portable power tools.

### 311SM - Steam Oxide

for improved abrasion resistance.



### 312SM - Steam & Bronze Oxide

WORK LIGHT abrasion resistance & improved lubricity, enhanced penetration geometry



Drill Sizes				Flute Length	Over-All-Length	Pkg Qty	311SM EDP#	312SM EDP#
Fractional	Wire Gauge	Letter	Decimal					
	N60		0.0400	1/2	1.3/8	12	46480855	
	N59		0.0410	1/2	1.3/8	12	46480856	
	N58		0.0420	1/2	1.3/8	12	46480857	
	N57		0.0430	1/2	1.3/8	12	46480858	
	N56		0.0465	1/2	1.3/8	12	46480859	
	N55		0.0520	5/8	1.5/8	12	46480860	
	N54		0.0550	5/8	1.5/8	12	46480861	
	N53		0.0595	5/8	1.5/8	12	46480862	
1/16			0.0625	5/8	1.5/8	12	46480863	47233779
	N52		0.0635	11/16	1.11/16	12	46480864	
	N51		0.0670	11/16	1.11/16	12	46480865	
	N50		0.0700	11/16	1.11/16	12	46480866	
	N49		0.0730	11/16	1.11/16	12	46480867	
	N48		0.0760	11/16	1.11/16	12	46480868	
5/64			0.0781	11/16	1.11/16	12	46480869	47233780
	N47		0.0785	11/16	1.11/16	12	46480870	
	N46		0.0810	3/4	1.3/4	12	46480871	
	N45		0.0820	3/4	1.3/4	12	46480872	
	N44		0.0860	3/4	1.3/4	12	46480873	
	N43		0.0890	3/4	1.3/4	12	46480874	
	N42		0.0935	3/4	1.3/4	12	46480875	
3/32			0.0937	3/4	1.3/4	12	46480876	47233781
	N41		0.0960	13/16	1.13/16	12	46480877	
	N40		0.0980	13/16	1.13/16	12	46480878	
	N39		0.0995	13/16	1.13/16	12	46480879	
	N38		0.1015	13/16	1.13/16	12	46480880	
	N37		0.1040	13/16	1.13/16	12	46480881	
	N36		0.1065	13/16	1.13/16	12	46480882	
7/64			0.1094	13/16	1.13/16	12	46480883	47233782
	N35		0.1100	7/8	1.7/8	12	46480884	
	N34		0.1110	7/8	1.7/8	12	46480885	
	N33		0.1130	7/8	1.7/8	12	46480886	
	N32		0.1160	7/8	1.7/8	12	46480887	
	N31		0.1200	7/8	1.7/8	12	46480888	
1/8			0.1250	7/8	1.7/8	12	46480889	47233783
	N30		0.1285	15/16	1.15/16	12	46480890	
	N29		0.1360	15/16	1.15/16	12	46480891	
	N28		0.1405	15/16	1.15/16	12	46480892	
9/64			0.1406	15/16	1.15/16	12	46480893	47233784
	N27		0.1440	1"	2.1/16	12	46480894	
	N26		0.1470	1"	2.1/16	12	46480895	
	N25		0.1495	1"	2.1/16	12	46480896	
	N24		0.1520	1"	2.1/16	12	46480897	
	N23		0.1540	1"	2.1/16	12	46480898	
5/32			0.1563	1"	2.1/16	12	46480899	47233785
	N22		0.1570	1.1/16	2.1/8	12	46480900	
	N21		0.1590	1.1/16	2.1/8	12	46480901	
	N20		0.1610	1.1/16	2.1/8	12	46480902	
	N19		0.1660	1.1/16	2.1/8	12	46480903	
	N18		0.1695	1.1/16	2.1/8	12	46480904	



# Heavy Duty Screw Machine Length Drills

135° Split Point

continued

Drill Sizes				Flute Length	Over-All-Length	Pkg Qty	311SM EDP#	312SM EDP#
Fractional	Wire Gauge	Letter	Decimal					
11/64			0.1719	1.1/16	2.1/8	12	46480905	47233786
	N17		0.1730	1.1/8	2.3/16	12	46480906	
	N16		0.1770	1.1/8	2.3/16	12	46480907	
	N15		0.1800	1.1/8	2.3/16	12	46480908	
	N14		0.1820	1.1/8	2.3/16	12	46480909	
	N13		0.1850	1.1/8	2.3/16	12	46480910	
3/16			0.1875	1.1/8	2.3/16	12	46480911	47233787
	N12		0.1890	1.3/16	2.1/4	12	46480912	
	N11		0.1910	1.3/16	2.1/4	12	46480913	
	N10		0.1935	1.3/16	2.1/4	12	46480914	
	N9		0.1960	1.3/16	2.1/4	12	46480915	
	N8		0.1990	1.3/16	2.1/4	12	46480916	
	N7		0.2010	1.3/16	2.1/4	12	46480917	
13/64			0.2031	1.3/16	2.1/4	12	46480918	47233788
	N6		0.2040	1.1/4	2.3/8	12	46480919	
	N5		0.2055	1.1/4	2.3/8	12	46480920	
	N4		0.2090	1.1/4	2.3/8	12	46480921	
	N3		0.2130	1.1/4	2.3/8	12	46480922	
7/32			0.2187	1.1/4	2.3/8	12	46480923	47233789
	N2		0.2210	1.5/16	2.7/16	12	46480924	
	N1		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	47233790
		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	
		E	0.2500	1.3/8	2.1/2	12	46480932	
1/4			0.2500	1.3/8	2.1/2	12	46480931	47233791
		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	47233792
		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	47233793
		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	47233794
		N	0.3020	1.5/8	2.13/16	12	46480944	
5/16			0.3125	1.5/8	2.13/16	6	46480945	47233795
		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	47233796
		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	47233797
		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	47233798
		U	0.3680	1.13/16	3.1/8	6	46480955	
3/8			0.3750	1.13/16	3.1/8	6	46480956	47233799
		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	47233800
		X	0.3970	1.15/16	3.5/16	6	46480960	
		Y	0.4040	1.15/16	3.5/16	6	46480961	
13/32			0.4063	1.15/16	3.5/16	6	46480962	47233801
		Z	0.4130	2"	3.3/8	6	46480963	
27/64			0.4219	2"	3.3/8	6	46480964	47233802
7/16			0.4375	2.1/16	3.7/16	6	46480965	47233803
29/64			0.4531	2.1/8	3.9/16	6	46480966	47233804
15/32			0.4687	2.1/8	3.5/8	6	46480967	47233805
31/64			0.4844	2.3/16	3.11/16	6	46480968	47233806
1/2			0.5000	2.1/4	3.3/4	6	46480969	47233807

# Heavy Duty Mechanics Length Drills



## 135° Split Point, Steam & Bronze Oxide

Shorter flute and overall length than the 332HD Jobber Length drills for superior rigidity when used in portable drills. Additionally features 3 flats on the shank for tighter chucking particularly in keyless chucks. The Self-Centering 135° Split Point additionally reduces the thrust requirements and minimizes 'walking' particularly on curved surfaces. Functional Steam & Bronze Oxide surface treatment provides both abrasion resistance & improved lubricity.

### 321MD



### 322MD - 3/8" Reduced Shank

The 3/8" diameter reduced shank with flats makes them ideal for portable drilling where the maximum chuck capacity is 3/8"



Drill Sizes		Flute Length	Over-All-Length	Pkg Qty	321MD EDP#	322MD EDP#
Fractional	Decimal					
1/16	0.0625	7/8	1.7/8	12	46480970	
5/64	0.0781	1"	2"	12	46480971	
3/32	0.0937	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	0.1563	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	0.2187	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	0.2813	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	47233809
7/16	0.4375	2.15/16	4.1/2	6	46480994	47233810
29/64	0.4531	3"	4.5/8	6	46480995	47233811
15/32	0.4687	3.1/8	4.3/4	6	46480996	47233812
31/64	0.4844	3.1/4	4.7/8	6	46480997	47233813
1/2	0.5000	3.3/8	5"	6	46480998	47233814



# Reduced Shank Drills

118° Point, Steam Oxide & Bright

The 1/2" diameter reduced shank makes them ideal for portable drilling and drill presses where the maximum chuck capacity is 1/2". Surface treated with a black steam oxide finish for abrasion resistance and improved coolant adherence.

Not recommended for enlarging existing holes.

## 341SD - 1/2" Shank Diameter, Silver & Deming



Drill Sizes		Flute Length	Over-All-Length	Pkg Qty	341SD EDP#
Fractional	Decimal				
33/64	0.5156	3"	6"	1	46481031
17/32	0.5313	3"	6"	1	46481032
35/64	0.5469	3"	6"	1	46481033
9/16	0.5625	3"	6"	1	46481034
37/64	0.5781	3"	6"	1	46481035
19/32	0.5937	3"	6"	1	46481036
39/64	0.6094	3"	6"	1	46481030
5/8	0.6250	3"	6"	1	46481037
41/64	0.6406	3"	6"	1	46481038
21/32	0.6562	3"	6"	1	46481039
43/64	0.6719	3"	6"	1	46481040
11/16	0.6875	3"	6"	1	46481041
45/64	0.7031	3"	6"	1	46481042
23/32	0.7187	3"	6"	1	46481043
47/64	0.7344	3"	6"	1	46481044
3/4	0.7500	3"	6"	1	46481045
49/64	0.7656	3"	6"	1	46481046
25/32	0.7812	3"	6"	1	46481047
51/64	0.7969	3"	6"	1	46481048
13/16	0.8125	3"	6"	1	46481049
53/64	0.8281	3"	6"	1	46481050
27/32	0.8437	3"	6"	1	46481051
55/64	0.8594	3"	6"	1	46481052
7/8	0.8750	3"	6"	1	46481053
57/64	0.8906	3"	6"	1	46481028
29/32	0.9062	3"	6"	1	46481054
59/64	0.9219	3"	6"	1	46481055
15/16	0.9375	3"	6"	1	46481056
61/64	0.9531	3"	6"	1	46481029
31/32	0.9688	3"	6"	1	46481057
63/64	0.9844	3"	6"	1	46481058
1"	1.0000	3"	6"	1	46481059
1.1/32	1.0312	3"	6"	1	46481060
1.1/16	1.0625	3"	6"	1	46481061
1.3/32	1.0938	3"	6"	1	46481062
1.1/8	1.1250	3"	6"	1	46481063
1.5/32	1.1562	3"	6"	1	46481064
1.3/16	1.1875	3"	6"	1	46481065
1.7/32	1.2187	3"	6"	1	46481066
1.1/4	1.2500	3"	6"	1	46481067
1.5/16	1.3125	3"	6"	1	46481068
1.3/8	1.3750	3"	6"	1	46481069
1.7/16	1.4375	3"	6"	1	46481070
1.1/2	1.5000	3"	6"	1	46481071

# Reduced Shank Drills



## Steam & Bronze Oxide

The 1/2" diameter reduced shank makes them ideal for portable drilling and drill presses where the maximum chuck capacity is 1/2". The Self-Centering 118° Split Point additionally reduces the thrust requirements and minimizes 'walking' particularly on curved surfaces. The functional Steam & Bronze Oxide surface treatment provides both abrasion resistance & improved lubricity.



## 342SDT - 118° Split Point

**WORK LIGHT** 1/2" Shank Diameter, Silver & Deming with Tri-Flats, enhanced penetration geometry

Drill Sizes		Flute Length	Over-All-Length	Pkg Qty	342SDT EDP#
Fractional	Decimal				
33/64	0.5156	3"	6"	1	47233817
17/32	0.5313	3"	6"	1	47233818
35/64	0.5469	3"	6"	1	47233819
9/16	0.5625	3"	6"	1	47233820
37/64	0.5781	3"	6"	1	47233821
19/32	0.5937	3"	6"	1	47233822
39/64	0.6094	3"	6"	1	47233823
5/8	0.6250	3"	6"	1	47233824
41/64	0.6406	3"	6"	1	47233825
21/32	0.6562	3"	6"	1	47233826
43/64	0.6719	3"	6"	1	47233827
11/16	0.6875	3"	6"	1	47233828
45/64	0.7031	3"	6"	1	47233829
23/32	0.7187	3"	6"	1	47233830
47/64	0.7344	3"	6"	1	47233831
3/4	0.7500	3"	6"	1	47233832
49/64	0.7656	3"	6"	1	47233833
25/32	0.7812	3"	6"	1	47233834
51/64	0.7969	3"	6"	1	47233835
13/16	0.8125	3"	6"	1	47233836
53/64	0.8281	3"	6"	1	47233837
27/32	0.8437	3"	6"	1	47233838
55/64	0.8594	3"	6"	1	47233839
7/8	0.8750	3"	6"	1	47233840
57/64	0.8906	3"	6"	1	47233841
29/32	0.9062	3"	6"	1	47233842
59/64	0.9219	3"	6"	1	47233843
15/16	0.9375	3"	6"	1	47233844
61/64	0.9531	3"	6"	1	47233845
31/32	0.9688	3"	6"	1	47233846
63/64	0.9844	3"	6"	1	47233847
1	1.0000	3"	6"	1	47233848



## 344RS - 135° Split Point,

**WORK LIGHT** Heavy Duty, 3/8" shank diameter

Used where maximum chuck capacity is 3/8". Recommended for use in portable drills, enhanced penetration geometry

Drill Sizes		Flute Length	Over-All-Length	Pkg Qty	344RS EDP#
Fractional	Decimal				
25/64	0.3906	3.3/4	5.1/8	1	47233850
13/32	0.4062	3.7/8	5.1/4	1	47233851
27/64	0.4219	3.15/16	5.3/8	1	47233852
7/16	0.4375	4.1/16	5.1/2	1	47233853
29/64	0.4531	4.3/16	5.5/8	1	47233854
15/32	0.4688	4.5/16	5.3/4	1	47233855
31/64	0.4844	4.3/8	5.7/8	1	47233856
1/2	0.5000	4.1/2	6"	1	47233857



# Reduced Shank Drills

Bright Finish

Extends the capacity of a 1/4" & 3/8" drill chuck. Features a short rigid design and 118° split point is for self-centering and ease of penetration. Designed for Aluminum, Low to Medium Carbon Steels, Plastics and Wood.

## 345RSS - 118° Point, Economy Length 1/4" shank diameter



Drill Sizes		Flute Length	Over-All-Length	Pkg Qty	345RSS EDP#
Fractional	Decimal				
5/16	0.31250	2.1/4	4"	1	47233858
3/8	0.37500	2.1/4	4"	1	47233859
7/16	0.43750	2.1/4	4"	1	47233860
1/2	0.50000	2.1/4	4"	1	47233861

## 345RSM - 118° Split Point, Intermediate Length 1/4" shank diameter



Drill Sizes		Flute Length	Over-All-Length	Pkg Qty	345RSM EDP#
Fractional	Decimal				
5/16	0.31250	2.1/2	3.13/16	1	47233862
3/8	0.37500	2.7/8	4.1/4	1	47233863
7/16	0.43750	3.3/8	4.11/16	1	47233864
1/2	0.50000	3.5/8	5.1/16	1	47233865

## 346RS - 118° Point, Jobber Length 3/8" shank diameter



Drill Sizes		Flute Length	Over-All-Length	Pkg Qty	344RS EDP#
Fractional	Decimal				
25/64	0.3906	3.3/4	5.1/2	1	47233866
13/32	0.4062	3.7/8	5.1/4	1	47233867
27/64	0.4219	3.15/16	5.3/8	1	47233868
7/16	0.4375	4.1/16	5.1/2	1	47233869
29/64	0.4531	4.3/16	5.5/8	1	47233870
15/32	0.4688	4.5/16	5.3/4	1	47233871
31/64	0.4844	4.3/8	5.7/8	1	47233872
1/2	0.5000	4.1/2	6"	1	47233873

# Drill Sets



331HDSET	Size	Decimal Size	Pkg Qty	EDP#
135 Degree SP, HD, Black Jobber 29 pc. Set (1/16 - 1/2 x 64ths)	1/16 - 1/2 x 64ths	0.0625 - 0.5000 x 64ths	1	47233629
135 Degree SP, HD, Black Jobber 15 pc. Set (1/16 - 1/2 x 32nds)	1/16 - 1/2 x 32nds	0.0625 - 0.5000 x 32nds	1	47233630

301JDSET	Size	Decimal Size	Pkg Qty	EDP#
118 Degree, GP, Black Jobber 29 pc. Set (1/16 - 1/2 x 64ths)	1/16 - 1/2 x 64ths	0.0625 - 0.5000 x 64ths	1	46481072
118 Degree, GP, Black Jobber 15 pc. Set (1/16 - 1/2 x 32nds)	1/16 - 1/2 x 32nds	0.0625 - 0.5000 x 32nds	1	47233502

332HDSET <b>WORK LIGHT</b>	Size	Decimal Size	Pkg Qty	EDP#
135 Degree SP, HD, Black & Bronze Jobber 29 pc. Set (1/16 - 1/2 x 64ths)	1/16 - 1/2 x 64ths	0.0625 - 0.5000 x 64ths	1	47233746
135 Degree SP, HD, Black & Bronze Jobber 15 pc. Set (1/16 - 1/2 x 32nds)	1/16 - 1/2 x 32nds	0.0625 - 0.5000 x 32nds	1	47233747

333HDSET <b>WORK LIGHT</b>	Size	Decimal Size	Pkg Qty	EDP#
135 Degree SP, HD, TiN Coated Jobber 29 pc. Set (1/16 - 1/2 x 64ths)	1/16 - 1/2 x 64ths	0.0625 - 0.5000 x 64ths	1	47233777

311SMSET	Size	Decimal Size	Pkg Qty	EDP#
135 Degree SP, HD, Black Screw Machine 29 pc. Set (1/16 - 1/2 x 64ths)	1/16 - 1/2 x 64ths	0.0625 - 0.5000 x 64ths	1	47233778

321MDSET	Size	Decimal Size	Pkg Qty	EDP#
135 Degree SP Black & Bronze, HD, Mechanics Length 29 pc. Set (1/16 - 1/2 x 64ths)	1/16 - 1/2 x 64ths	0.0625 - 0.5000 x 64ths	1	46481073
135 Degree SP Black & Bronze, HD, Mechanics Length 15 pc. Set (1/16 - 1/2 x 32nds)	1/16 - 1/2 x 32nds	0.0625 - 0.5000 x 32nds	1	47233808

322MDSET	Size	Decimal Size	Pkg Qty	EDP#
135° SP Black & Bronze, HD, Mechanics Length 29 pc. Set (1/16 - 1/2 x 64ths) $\varnothing 27/64'' - \varnothing 1/2''$ (6 sizes) with 3/8" reduced Shank	1/16 - 1/2 x 64ths	0.0625 - 0.5000 x 64ths	1	47233815

341SDSET	Size	Decimal Size	Pkg Qty	EDP#
118 Degree Point Black & Bright, 1/2" reduced shank, S & D 8 pc. Set	$\varnothing 9/16 - \varnothing 1''$ x 16ths	0.5625 - 1.0000 x 16ths	1	47233816

342SDTSET <b>WORK LIGHT</b>	Size	Decimal Size	Pkg Qty	EDP#
118 Degree SP Black & Bronze, 1/2" reduced shank w/Tri-Flats, S & D 8 pc. Set	$\varnothing 9/16 - \varnothing 1''$ x 16ths	0.5625 - 1.0000 x 16ths	1	47233849



# Terms & Conditions

## Statement of Policy

Dormer, Pramet, Precision and Union Butterfield are trademarks of the Sandvik Group. All prices and specifications are subject to change by Precision Dormer LLC (the "Company") at any time without notice. The most current price list supersedes all previously dated price lists.

Any individual purchases of any products by a distributor shall be governed by the Company's standard terms and conditions of sales located at [www.dormerpramet.com](http://www.dormerpramet.com).

## Warehouse

America's Distribution Center (ADC) in Hebron, KY is the stocking warehouse for the Company's products. There are many benefits offered to our distributors by utilizing the ADC as the primary warehouse. We encourage drop shipment of product directly to our mutual customers. Delivery security on stock standard products is targeted at 96%.

## Payment Terms

The company's standard payment terms are one percent (1%) twenty (20) days, net thirty (30) days. Payments not posted by the 45th day will result in a credit card hold status. Disputed balances in excess of 60 days outstanding will also result in credit hold status. All prices, terms and discounts are subject to change without notice.

## Freight Terms

- All orders are F.O.B. our warehouse.
- Freight prepaid via economical route of our choice on individual orders valued at \$500.00 net billing or more within the continental United States.
- Flat rate shipping program available for orders valued under \$500.00 net.
- Back-orders will be shipped freight prepaid via economical route of our choice, unless requested by consignee for UPS or FedEx collect at the time of the order

Service	Weight (lbs)	Rate	Service	Weight (lbs)	Rate	Service	Weight (lbs)	Rate
Air	1-5	\$12.00	2 <sup>nd</sup> Day	1-5	\$9.00	Ground	1-5	\$5.00
Air	6-15	\$22.00	2 <sup>nd</sup> Day	6-15	\$16.00	Ground	6-15	\$7.00
Air	16+	\$33.00	2 <sup>nd</sup> Day	16+	\$25.00	Ground	16+	\$13.50

- There is a minimum order value of \$50 for orders placed via fax, email or over the phone. There is **no order value minimum** for orders placed through EDI or online through the eShop.
- Within the continental United States, the minimum order requirement will be waived for next day air and second day air orders shipped directly to end users.

## Electronic Ordering Options (Please call 800-877-3745 for more information)

Online ordering through the eShop via [www.dormerpramet.com](http://www.dormerpramet.com)

- This no-charge password-protected web site lets an authorized distributor check stock and price, place orders, track packages and view invoices for standard tools. Ground orders placed by 3:30 p.m. CST will ship same day. Air orders placed by 4:30 p.m. CST will ship same day.

Epicor

- This software package is provided by Epicor for electronic transactions that occur between the distributor's computer system, Epicor and the Company.
- The distributor must be subscribed to Trading Partner Connect (TPx or TPc) before using.

EDI

- This computer to computer transaction system requires programming and set-up time at both the distributor and the Company.
- Distributors must spend \$50,000.00 or more per year with the Company to qualify.
- Current transactions available are: 850 – Purchase Order, 810 – Invoice, 997 – Functional Acknowledgement, 855 – PO Acknowledgement, 856 – Advance Ship Notice.

# SIMPLY RELIABLE

As a professional you can judge the quality of work by just looking at the chip. Our chip is a clean and uncomplicated shape that in itself tells a story. It is a clear and consistent signal and that's why we use it as a symbol for being **Simply Reliable**.



#### United States of America

T:(800) 877-3745  
F:(847) 783-5760  
cs@dormerpramet.com

#### Canada

T:(888) 336-7637  
En Français: (888) 368-8457  
F:(905) 542-7000  
cs.canada@dormerpramet.com

#### Mexico

T: +52 (555) 7293981  
F: +52 (555) 7293981  
cs.mexico@dormerpramet.com

Distributed by:

