



# Straight Flute Solid Carbide Drills

140° Notched Point 2 Flute Fractional / Wire Gauge / Letter Size



UNCOATED



ALTiN COATED

**DIAMETER TOLERANCE** +.0000,-.0005"

SIZE	Flute Length	O.A.L.	FRACTIONAL SIZES		
			UNCOATED	Price	ALTiN Price
1/32"	3/8"	1-1/2"	415-3808	<b>\$6.92</b>	415-3823 <b>\$8.64</b>
3/64	3/8"	1-1/2"	415-3809	<b>6.92</b>	415-3824 <b>8.64</b>
1/16	13/32"	1-1/2"	415-3810	<b>7.11</b>	415-3825 <b>8.89</b>
5/64	7/16"	1-1/2"	415-3811	<b>7.43</b>	415-3826 <b>9.28</b>
3/32	1/2"	1-1/2"	415-3812	<b>8.19</b>	415-3827 <b>10.23</b>
7/64	5/8"	2"	415-3813	<b>8.92</b>	415-3828 <b>11.16</b>
1/8	3/4"	2"	415-3814	<b>8.47</b>	415-3829 <b>10.58</b>
9/64	3/4"	2"	415-3815	<b>9.67</b>	415-3830 <b>12.10</b>
5/32	7/8"	2"	415-3816	<b>10.84</b>	415-3831 <b>13.55</b>
11/64	7/8"	2"	415-3817	<b>12.03</b>	415-3832 <b>15.04</b>
3/16	7/8"	2"	415-3818	<b>11.10</b>	415-3833 <b>13.87</b>
13/64	1-1/8"	2-1/2"	415-3819	<b>14.45</b>	415-3834 <b>18.06</b>
7/32	1-1/8"	2-1/2"	415-3820	<b>16.23</b>	415-3835 <b>20.29</b>
15/64	1-1/4"	2-1/2"	415-3821	<b>17.12</b>	415-3836 <b>21.41</b>
1/4	1-1/4"	2-1/2"	415-3822	<b>16.20</b>	415-3837 <b>20.24</b>
17/64	1-1/4"	2-1/2"	415-3838	<b>22.51</b>	415-3852 <b>28.14</b>
9/32	1-1/4"	2-1/2"	415-3839	<b>23.41</b>	415-3853 <b>29.26</b>
19/64	1-1/4"	2-1/2"	415-3840	<b>24.77</b>	415-3854 <b>30.97</b>
5/16	1-1/4"	2-1/2"	415-3841	<b>25.66</b>	415-3855 <b>32.07</b>
21/64	1-3/8"	3"	415-3842	<b>27.58</b>	415-3856 <b>34.47</b>
11/32	1-3/8"	3"	415-3843	<b>30.59</b>	415-3857 <b>38.23</b>
23/64	1-3/8"	3"	415-3844	<b>33.47</b>	415-3858 <b>41.83</b>
3/8	1-3/8"	3"	415-3845	<b>33.19</b>	415-3859 <b>41.48</b>
25/64	1-3/8"	3"	415-3846	<b>41.05</b>	415-3860 <b>51.31</b>
13/32	1-3/8"	3"	415-3847	<b>39.27</b>	415-3861 <b>49.10</b>
27/64	1-3/8"	3"	415-3848	<b>49.80</b>	415-3862 <b>62.24</b>
7/16	1-3/8"	3"	415-3849	<b>48.58</b>	415-3863 <b>60.72</b>
15/32	1-3/8"	3"	415-3850	<b>54.04</b>	415-3864 <b>67.56</b>
1/2	1-3/8"	3"	415-3851	<b>50.26</b>	415-3865 <b>62.83</b>

SIZE	Flute Length	O.A.L.	Letter Size		
			UNCOATED	Price	ALTiN Price
A	1-1/4"	2-1/2"	415-3866	<b>\$17.12</b>	415-3879 <b>\$21.41</b>
B	1-1/4"	2-1/2"	415-3867	<b>17.12</b>	415-3880 <b>21.41</b>
C	1-1/4"	2-1/2"	415-3868	<b>17.12</b>	415-3881 <b>21.41</b>
D	1-1/4"	2-1/2"	415-3869	<b>17.12</b>	415-3882 <b>21.41</b>
E	1-1/4"	2-1/2"	415-3870	<b>16.20</b>	415-3883 <b>20.24</b>
F	1-1/4"	2-1/2"	415-3871	<b>22.51</b>	415-3884 <b>28.14</b>
G	1-1/4"	2-1/2"	415-3872	<b>22.51</b>	415-3885 <b>28.14</b>
H	1-1/4"	2-1/2"	415-3873	<b>22.51</b>	415-3886 <b>28.14</b>
I	1-1/4"	2-1/2"	415-3874	<b>23.41</b>	415-3887 <b>29.26</b>
J	1-1/4"	2-1/2"	415-3875	<b>23.41</b>	415-3888 <b>29.26</b>
K	1-1/4"	2-1/2"	415-3876	<b>23.41</b>	415-3889 <b>29.26</b>
L	1-1/4"	2-1/2"	415-3877	<b>24.77</b>	415-3890 <b>30.97</b>
M	1-1/4"	2-1/2"	415-3878	<b>24.77</b>	415-3891 <b>30.97</b>
N	1-1/4"	2-1/2"	415-3892	<b>30.97</b>	415-3895 <b>32.07</b>
O	1-3/8"	3"	415-3893	<b>25.66</b>	415-3906 <b>32.07</b>
P	1-3/8"	3"	415-3894	<b>25.66</b>	415-3907 <b>34.48</b>
Q	1-3/8"	3"	415-3895	<b>27.58</b>	415-3908 <b>38.23</b>
R	1-3/8"	3"	415-3896	<b>30.59</b>	415-3909 <b>38.23</b>
S	1-3/8"	3"	415-3897	<b>30.59</b>	415-3910 <b>41.83</b>
T	1-3/8"	3"	415-3898	<b>33.47</b>	415-3911 <b>41.83</b>
U	1-3/8"	3"	415-3899	<b>33.47</b>	415-3912 <b>46.40</b>
V	1-3/8"	3"	415-3900	<b>37.11</b>	415-3913 <b>46.40</b>
W	1-3/8"	3"	415-3901	<b>37.11</b>	415-3914 <b>51.31</b>
X	1-3/8"	3"	415-3902	<b>41.05</b>	415-3915 <b>56.77</b>
Y	1-3/8"	3"	415-3903	<b>45.42</b>	415-3916 <b>59.51</b>
Z	1-3/8"	3"	415-3904	<b>47.61</b>	415-3917 <b>62.24</b>

SIZE	Flute Length	O.A.L.	WIRE SIZES		
			UNCOATED	Price	ALTiN Price
1"	1-1/4"	2-1/2"	415-3918	<b>\$16.66</b>	415-3948 <b>\$20.82</b>
2	1-1/4"	2-1/2"	415-3919	<b>16.37</b>	415-3949 <b>20.45</b>
3	1-1/8"	2-1/2"	415-3920	<b>15.71</b>	415-3950 <b>19.63</b>
4	1-1/8"	2-1/2"	415-3921	<b>14.83</b>	415-3951 <b>18.54</b>
5	1-1/8"	2-1/2"	415-3922	<b>14.99</b>	415-3952 <b>18.75</b>
6	1-1/8"	2-1/2"	415-3923	<b>14.78</b>	415-3953 <b>18.48</b>
7	1-1/8"	2-1/2"	415-3924	<b>14.24</b>	415-3954 <b>17.79</b>
8	1-1/8"	2-1/2"	415-3925	<b>14.03</b>	415-3955 <b>17.53</b>
9	1-1/8"	2-1/2"	415-3926	<b>13.61</b>	415-3956 <b>17.00</b>
10	1-1/8"	2-1/2"	415-3927	<b>13.40</b>	415-3957 <b>16.74</b>
11	1-1/8"	2-1/2"	415-3928	<b>13.16</b>	415-3958 <b>16.45</b>
12	1-1/8"	2-1/2"	415-3929	<b>12.92</b>	415-3959 <b>16.14</b>
13	7/8"	2"	415-3930	<b>12.71</b>	415-3960 <b>15.89</b>
14	7/8"	2"	415-3931	<b>12.63</b>	415-3961 <b>15.78</b>
15	7/8"	2"	415-3932	<b>12.50</b>	415-3962 <b>15.62</b>
16	7/8"	2"	415-3933	<b>12.46</b>	415-3963 <b>15.57</b>
17	7/8"	2"	415-3934	<b>12.15</b>	415-3964 <b>15.20</b>
18	7/8"	2"	415-3935	<b>11.80</b>	415-3965 <b>14.76</b>
19	7/8"	2"	415-3936	<b>11.73</b>	415-3966 <b>14.67</b>
20	7/8"	2"	415-3937	<b>11.34</b>	415-3967 <b>14.17</b>
21	7/8"	2"	415-3938	<b>11.26</b>	415-3968 <b>14.07</b>
22	7/8"	2"	415-3939	<b>11.05</b>	415-3969 <b>13.80</b>
23	7/8"	2"	415-3940	<b>10.57</b>	415-3970 <b>13.22</b>
24	7/8"	2"	415-3941	<b>10.29</b>	415-3971 <b>12.85</b>
25	7/8"	2"	415-3942	<b>9.98</b>	415-3972 <b>12.47</b>
26	7/8"	2"	415-3943	<b>9.86</b>	415-3973 <b>12.33</b>
27	7/8"	2"	415-3944	<b>9.67</b>	415-3974 <b>12.10</b>
29	3/4"	2"	415-3946	<b>9.14</b>	415-3976 <b>11.42</b>
30	3/4"	2"	415-3947	<b>9.00</b>	415-3977 <b>11.26</b>
31	3/4"	2"	415-3978	<b>9.52</b>	415-4008 <b>11.90</b>

SIZE	Flute Length	O.A.L.	WIRE SIZES		
			UNCOATED	Price	ALTiN Price
32"	3/4"	2"	415-3979	<b>\$9.45</b>	415-4009 <b>\$11.80</b>
33	3/4"	2"	415-3980	<b>9.20</b>	415-4010 <b>11.49</b>
34	3/4"	2"	415-3981	<b>9.16</b>	415-4011 <b>11.45</b>
35	3/4"	2"	415-3982	<b>8.92</b>	415-4012 <b>11.16</b>
36	5/8"	2"	415-3983	<b>8.83</b>	415-4013 <b>11.05</b>
37	5/8"	2"	415-3984	<b>8.83</b>	415-4014 <b>11.05</b>
38	5/8"	2"	415-3985	<b>8.74</b>	415-4015 <b>10.92</b>
39	5/8"	2"	415-3986	<b>8.40</b>	415-4016 <b>10.50</b>
40	5/8"	2"	415-3987	<b>8.40</b>	415-4017 <b>10.50</b>
41	5/8"	2"	415-3988	<b>8.40</b>	415-4018 <b>10.50</b>
42	1/2"	1-1/2"	415-3989	<b>8.09</b>	415-4019 <b>10.11</b>
43	1/2"	1-1/2"	415-3990	<b>7.95</b>	415-4020 <b>9.94</b>
44	1/2"	1-1/2"	415-3991	<b>7.84</b>	415-4021 <b>9.80</b>
45	1/2"	1-1/2"	415-3992	<b>7.67</b>	415-4022 <b>9.59</b>
46	1/2"	1-1/2"	415-3993	<b>7.43</b>	415-4023 <b>9.28</b>
47	1/2"	1-1/2"	415-3994	<b>7.43</b>	415-4024 <b>9.28</b>
48	7/16"	1-1/2"	415-3995	<b>7.43</b>	415-4025 <b>9.28</b>
49	7/16"	1-1/2"	415-3996	<b>7.25</b>	415-4026 <b>9.06</b>
50	7/16"	1-1/2"	415-3997	<b>7.15</b>	415-4027 <b>8.95</b>
51	7/16"	1-1/2"	415-3998	<b>7.11</b>	415-4028 <b>8.89</b>
52	7/16"	1-1/2"	415-3999	<b>7.11</b>	415-4029 <b>8.89</b>
53	13/32"	1-1/2"	415-4000	<b>7.01</b>	415-4030 <b>8.78</b>
54	13/32"	1-1/2"	415-4001	<b>7.01</b>	415-4031 <b>8.78</b>
55	13/32"	1-1/2"	415-4002	<b>6.92</b>	415-4032 <b>8.64</b>
56	3/8"	1-1/2"	415-4003	<b>6.92</b>	415-4033 <b>8.64</b>
57	3/8"	1-1/2"	415-4004	<b>6.92</b>	415-4034 <b>8.64</b>
58	3/8"	1-1/2"	415-4005	<b>6.92</b>	415-4035 <b>8.64</b>
59	3/8"	1-1/2"	415-4006	<b>6.92</b>	415-4036 <b>8.64</b>
60	3/8"	1-1/2"	415-4007	<b>6.92</b>	415-4037 <b>8.64</b>