

ULTRATOOL Precision Ground & Polished Solid Carbide Blanks



new!
Series 650
Solid Carbide Blanks

Diam	Dec.	OAL	EDP#	Price
#69	.0292	1-1/4	65301	\$4.70
#68	.0310	1-1/4	65302	\$4.70
1/32	.0312	1-1/4	65303	\$4.70
#67	.0320	1-1/4	65304	\$4.70
#66	.0330	1-1/4	65305	\$4.50
#65	.0350	1-1/2	65306	\$4.50
#64	.0360	1-1/2	65307	\$4.50
#63	.0370	1-1/2	65308	\$4.50
#62	.0380	1-1/2	65309	\$4.50
#61	.0390	1-1/2	65310	\$4.40
#60	.0400	1-1/2	65312	\$4.40
#59	.0410	1-1/2	65313	\$4.40
#58	.0420	1-1/2	65314	\$4.40
#57	.0430	1-1/2	65315	\$4.40
#56	.0465	1-1/2	65316	\$4.40
3/64	.0469	1-1/2	65317	\$4.40
#55	.0520	1-1/2	65318	\$4.40
#54	.0550	1-1/2	65319	\$4.40
#53	.0595	1-1/2	65321	\$4.40
1/16	.0625	1-1/2	65001	\$4.10
#52	.0635	1-1/2	65322	\$4.20
#51	.0670	1-1/2	65323	\$4.20
#50	.0700	1-3/4	65325	\$4.20
#50	.0700	2"	65324	\$4.50
#49	.0730	1-3/4	65327	\$4.20
#49	.0730	2"	65326	\$4.50
#48	.0760	1-3/4	65329	\$4.20
#48	.0760	2"	65328	\$4.50
5/64	.0781	1-3/4	65331	\$4.20
5/64	.0781	2"	65330	\$4.50
#47	.0785	1-3/4	65333	\$4.20
#47	.0785	2"	65332	\$4.50
#46	.0810	1-3/4	65337	\$4.20
#46	.0810	2"	65336	\$4.50
#45	.0820	1-3/4	65339	\$4.20
#45	.0820	2"	65338	\$4.50
#44	.0860	2"	65340	\$4.50
#43	.0890	2"	65341	\$4.50
#42	.0935	2"	65342	\$4.50
3/32	.0938	2"	65002	\$4.50
#41	.0960	2"	65343	\$4.50
#40	.0980	2"	65344	\$4.50
#39	.0995	2-1/4	65346	\$5.00
#38	.1015	2-1/4	65347	\$5.00
#37	.1040	2-1/4	65348	\$5.00
#36	.1065	2-1/4	65349	\$5.00
7/64	.1094	2-1/4	65036	\$5.00
#35	.1100	2-1/4	65350	\$5.00
#34	.1110	2-1/4	65351	\$5.00
#33	.1130	2-1/4	65352	\$5.00
#32	.1160	2-1/4	65353	\$5.00
#31	.1200	2-1/4	65355	\$5.00
1/8	.1250	1-1/2	65003	\$2.30

Diam	Dec.	OAL	EDP#	Price
1/8	.1250	2"	65004	\$3.40
1/8	.1250	2-1/4	65037	\$4.10
1/8	.1250	3"	65005	\$4.20
1/8	.1250	4"	65006	\$6.40
1/8	.1250	6"	65007	\$9.90
1/8	.1250	12"	65038	\$21.90
#30	.1285	2-1/4	65356	\$5.70
#29	.1360	2-1/2	65357	\$5.70
#28	.1405	2-1/2	65359	\$5.70
9/64	.1406	2-1/2	65039	\$5.70
#27	.1440	2-1/2	65360	\$6.70
#26	.1470	2-1/2	65361	\$6.70
#25	.1495	2-1/2	65362	\$6.70
#24	.1520	2-1/2	65363	\$6.70
#23	.1540	2-1/2	65364	\$6.70
5/32	.1562	2-1/2	65040	\$6.70
#22	.1570	2-1/2	65365	\$7.00
#21	.1590	2-1/2	65367	\$7.00
#20	.1610	2-1/2	65368	\$7.00
#19	.1660	2-3/4	65369	\$7.40
#18	.1695	2-3/4	65370	\$7.40
11/64	.1719	2-1/2	65372	\$7.30
11/64	.1719	2-3/4	65041	\$7.40
#17	.1730	2-3/4	65373	\$7.40
#16	.1770	2-3/4	65374	\$7.80
#15	.1800	2-1/2	65450	\$7.20
#15	.1800	2-3/4	65376	\$7.80
#14	.1820	2-1/2	65451	\$7.20
#14	.1820	2-3/4	65377	\$7.80
#13	.1850	2-1/2	65452	\$7.20
#13	.1850	2-3/4	65378	\$7.80
3/16	.1875	2"	65008	\$4.20
3/16	.1875	2-1/2	65042	\$7.20
3/16	.1875	2-3/4	65043	\$7.80
3/16	.1875	3"	65009	\$8.20
3/16	.1875	4"	65010	\$9.90
3/16	.1875	6"	65011	\$14.80
3/16	.1875	12"	65044	\$32.40
#12	.1890	2-1/2	65453	\$8.60
#12	.1890	2-3/4	65379	\$8.70
#11	.1910	2-1/2	65454	\$8.60
#11	.1910	2-3/4	65380	\$8.70
#10	.1935	2-3/4	65381	\$8.70
#9	.1960	3"	65382	\$8.90
#8	.1990	3"	65384	\$8.90
#7	.2010	3"	65385	\$8.90
13/64	.2031	2-1/2	65386	\$8.70
13/64	.2031	3"	65045	\$8.90
#6	.2040	3"	65387	\$10.20
#5	.2055	3"	65388	\$10.20
#4	.2090	3"	65389	\$10.20
#3	.2130	3"	65390	\$10.20
7/32	.2188	2-1/2	65392	\$9.80
7/32	.2188	3"	65046	\$10.20
#2	.2210	3"	65393	\$10.70
#1	.2280	3-1/4	65394	\$10.90
A	.2340	2-1/2	65482	\$10.50
A	.2340	3-1/4	65395	\$10.90
15/64	.2344	2-1/2	65396	\$10.50
15/64	.2344	3-1/4	65047	\$10.90
B	.2380	2-1/2	65483	\$10.90
B	.2380	3-1/4	65399	\$11.30

Diam	Dec.	OAL	EDP#	Price
C	.2420	2-1/2	65484	\$10.90
C	.2420	3-1/4	65400	\$11.30
D	.2460	2-1/2	65485	\$10.90
D	.2460	3-1/4	65401	\$11.30
1/4	.2500	2"	65012	\$5.60
1/4	.2500	2-1/2	65013	\$6.60
1/4	.2500	3"	65014	\$9.90
1/4	.2500	3-1/4	65048	\$11.30
1/4	.2500	4"	65015	\$15.20
1/4	.2500	6"	65016	\$22.40
1/4	.2500	12"	65049	\$48.70
F	.2570	2-1/2	65487	\$12.10
F	.2570	3-1/2	65403	\$13.60
G	.2610	2-1/2	65488	\$12.10
G	.2610	3-1/2	65404	\$13.60
17/64	.2656	2-1/2	65405	\$12.10
17/64	.2656	3-1/2	65050	\$13.60
H	.2660	2-1/2	65489	\$12.10
H	.2660	3-1/2	65406	\$13.60
I	.2720	2-1/2	65490	\$13.80
I	.2720	3-1/2	65407	\$15.90
J	.2770	2-1/2	65491	\$13.80
J	.2770	3-1/2	65409	\$15.90
K	.2810	2-1/2	65492	\$13.80
K	.2810	3-1/2	65410	\$15.90
9/32	.2812	2-1/2	65411	\$13.80
9/32	.2812	3-1/2	65051	\$15.90
L	.2900	2-1/2	65493	\$14.10
L	.2900	3-3/4	65412	\$16.20
M	.2950	2-1/2	65494	\$14.10
M	.2950	3-3/4	65413	\$16.20
19/64	.2969	2-1/2	65415	\$14.10
19/64	.2969	3-3/4	65052	\$16.20
N	.3020	2-1/2	65495	\$15.90
N	.3020	3-3/4	65416	\$18.00
5/16	.3125	2-1/2	65017	\$10.40
5/16	.3125	2-3/4	65417	\$15.50
5/16	.3125	3"	65018	\$16.60
5/16	.3125	3-3/4	65053	\$18.00
5/16	.3125	4"	65019	\$20.20
5/16	.3125	6"	65020	\$31.70
5/16	.3125	12"	65054	\$66.20
O	.3160	2-1/2	65496	\$17.40
O	.3160	3-3/4	65420	\$22.40
P	.3230	2-1/2	65497	\$17.40
P	.3230	4"	65421	\$22.40
21/64	.3281	3"	65508	\$18.00
21/64	.3281	4"	65055	\$22.40
Q	.3320	3"	65498	\$18.80
Q	.3320	4"	65422	\$24.50
R	.3390	3"	65499	\$18.80
R	.3390	4"	65424	\$24.50
11/32	.3438	3"	65425	\$18.80
11/32	.3438	4"	65056	\$24.50
S	.3480	3"	65500	\$19.50
S	.3480	4"	65426	\$25.20
T	.3580	3"	65501	\$19.50
T	.3580	4-1/4	65428	\$26.00
23/64	.3594	4-1/4	65057	\$26.00
U	.3680	3"	65502	\$21.00
U	.3680	4-1/4	65429	\$27.80
3/8	.3750	2-1/2	65021	\$13.80

ULTRATOOL Precision Ground & Polished Solid Carbide Blanks

Diam	Dec.	OAL	EDP#	Price
3/8	.3750	3"	65022	\$18.80
3/8	.3750	4"	65023	\$25.20
3/8	.3750	4-1/4	65058	\$27.80
3/8	.3750	6"	65024	\$40.40
3/8	.3750	12"	65059	\$90.00
V	.3770	3"	65503	\$21.60
V	.3770	4-1/4	65431	\$31.40
W	.3860	3"	65504	\$21.60
W	.3860	4-1/2	65432	\$31.40
25/64	.3906	3"	65433	\$21.60
25/64	.3906	4-1/2	65060	\$31.40
X	.3970	3"	65505	\$23.10
X	.3970	4-1/2	65436	\$33.10
Y	.4040	3"	65506	\$23.10
Y	.4040	4-1/2	65437	\$33.10
13/32	.4062	3"	65438	\$23.10
13/32	.4062	4-1/2	65061	\$33.10
Z	.4130	3"	65507	\$24.50
Z	.4130	4-1/2	65439	\$35.60
27/64	.4219	4-1/2	65062	\$35.60
7/16	.4375	2-3/4	65025	\$21.60
7/16	.4375	3"	65026	\$23.80
7/16	.4375	4"	65027	\$33.20
7/16	.4375	4-1/2	65063	\$37.80
7/16	.4375	6"	65028	\$50.50
7/16	.4375	12"	65064	\$108.00
29/64	.4531	3"	65443	\$29.60
29/64	.4531	4-3/4	65065	\$44.70
15/32	.4688	4-3/4	65066	\$46.40
31/64	.4844	4-3/4	65445	\$46.90
1/2	.5000	2-1/2	65105	\$21.60
1/2	.5000	3"	65029	\$23.40
1/2	.5000	4"	65030	\$33.20
1/2	.5000	4-3/4	65067	\$46.90
1/2	.5000	6"	65031	\$57.70
1/2	.5000	12"	65068	\$122.30
17/32	.5312	6"	65509	\$90.00
9/16	.5625	3-1/2	65032	\$46.10
9/16	.5625	6"	65110	\$93.60
9/16	.5625	12"	65111	\$208.70
19/32	.5938	6"	65510	\$97.20
5/8	.6250	3-1/2	65033	\$50.50
5/8	.6250	5"	65106	\$87.10
5/8	.6250	6"	65069	\$100.80
5/8	.6250	12"	65070	\$230.30
21/32	.6562	6"	65511	\$122.30
11/16	.6875	6"	65512	\$125.90
3/4	.7500	4"	65034	\$75.60
3/4	.7500	5"	65107	\$115.20
3/4	.7500	6"	65071	\$129.60
3/4	.7500	12"	65072	\$273.60
13/16	.8125	6"	65513	\$201.50
7/8	.8750	4"	65075	\$122.30
7/8	.8750	6"	65449	\$215.90
7/8	.8750	12"	65514	\$467.80
15/16	.9375	6"	65515	\$223.10
1"	1.000	4"	65035	\$133.20
1"	1.000	5"	65108	\$201.50
1"	1.000	6"	65073	\$223.10
1"	1.000	12"	65074	\$485.80

Diam	Dec.	OAL	EDP#	Price
1.0mm	.0394	38	65311	\$4.40
1.5mm	.0591	38	65320	\$4.40
2.0mm	.0787	44	65335	\$4.20
2.0mm	.0787	50	65334	\$4.50
2.5mm	.0984	50	65345	\$4.50
3.0mm	.1181	38	65076	\$2.30
3.0mm	.1181	57	65354	\$4.10
3.0mm	.1181	75	65077	\$4.20
3.0mm	.1181	100	65109	\$6.40
3.0mm	.1181	305	65516	\$21.90
3.5mm	.1378	63	65358	\$5.70
3.5mm	.1378	305	65517	\$28.80
4.0mm	.1575	50	65078	\$4.30
4.0mm	.1575	63	65366	\$7.00
4.0mm	.1575	75	65079	\$8.60
4.0mm	.1575	100	65480	\$10.90
4.0mm	.1575	305	65518	\$31.10
4.5mm	.1772	63	65475	\$7.20
4.5mm	.1772	70	65375	\$7.80
4.5mm	.1772	305	65519	\$35.30
5.0mm	.1969	50	65080	\$4.80
5.0mm	.1969	63	65383	\$8.70
5.0mm	.1969	75	65081	\$8.90
5.0mm	.1969	100	65481	\$13.10
5.0mm	.1969	305	65520	\$39.60
5.5mm	.2165	75	65391	\$10.20
5.5mm	.2165	305	65521	\$43.20
6.0mm	.2362	50	65082	\$5.60
6.0mm	.2362	63	65398	\$6.60
6.0mm	.2362	75	65083	\$9.90
6.0mm	.2362	82	65397	\$11.30
6.0mm	.2362	100	65448	\$15.20
6.0mm	.2362	305	65522	\$48.70
6.5mm	.2559	82	65402	\$13.60
6.5mm	.2559	305	65523	\$54.80
7.0mm	.2756	60	65084	\$10.20
7.0mm	.2756	89	65408	\$15.90
7.0mm	.2756	100	65524	\$19.80
7.0mm	.2756	305	65525	\$59.00
7.5mm	.2953	95	65414	\$16.20
7.5mm	.2953	305	65526	\$64.10
8.0mm	.3150	63	65085	\$10.40
8.0mm	.3150	70	65419	\$15.50
8.0mm	.3150	95	65418	\$18.00
8.0mm	.3150	100	65086	\$20.20
8.0mm	.3150	305	65527	\$66.20
8.5mm	.3346	100	65423	\$25.20
8.5mm	.3346	305	65528	\$77.80
9.0mm	.3543	63	65087	\$15.20
9.0mm	.3543	100	65529	\$25.50
9.0mm	.3543	108	65427	\$26.00
9.0mm	.3543	305	65530	\$86.40
9.5mm	.3740	108	65430	\$27.80
10.0mm	.3937	70	65088	\$21.60
10.0mm	.3937	75	65435	\$23.80
10.0mm	.3937	100	65089	\$31.10
10.0mm	.3937	114	65434	\$33.10
10.0mm	.3937	305	65531	\$102.20
10.5mm	.4134	114	65440	\$35.60
11.0mm	.4331	114	65441	\$37.80
11.0mm	.4331	305	65541	\$118.80
11.5mm	.4528	120	65442	\$44.70

Diam	Dec.	OAL	EDP#	Price
12.0mm	.4724	74	65090	\$23.40
12.0mm	.4724	100	65091	\$33.20
12.0mm	.4724	120	65444	\$46.90
12.0mm	.4724	150	65101	\$57.70
12.0mm	.4724	305	65532	\$122.30
12.5mm	.4921	120	65446	\$48.20
14.0mm	.5512	89	65092	\$46.10
14.0mm	.5512	100	65533	\$63.40
14.0mm	.5512	150	65102	\$93.60
14.0mm	.5512	305	65534	\$208.70
16.0mm	.6299	89	65093	\$50.50
16.0mm	.6299	100	65535	\$70.60
16.0mm	.6299	125	65094	\$87.10
16.0mm	.6299	150	65103	\$100.80
16.0mm	.6299	305	65536	\$230.30
18.0mm	.7087	100	65095	\$93.60
18.0mm	.7087	150	65104	\$128.20
18.0mm	.7087	305	65537	\$270.00
20.0mm	.7874	100	65096	\$102.80
20.0mm	.7874	150	65097	\$151.20
20.0mm	.7874	305	65538	\$298.70
22.0mm	.8661	100	65098	\$147.60
22.0mm	.8661	305	65539	\$460.70
25.0mm	.9843	100	65099	\$133.20
25.0mm	.9843	150	65100	\$223.10
25.0mm	.9843	305	65540	\$485.80

Series 650 Tech Information

Ultra-Tool's Series 650 Polished Ground Carbide Cylinders feature the same world-class tungsten carbide substrate we use in all our finished cutting tools. Ultra-Grain has an excellent combination of high hardness & transverse rupture strength. Additionally, although cemented carbides typically feature poor corrosion resistance, our Series 650 offers industry leading specifications for this characteristic as well. These cylinders, like all Ultra-Tool solid carbide products, are Shrink-Fit Ready (SFR).



Ultra-Grain® 1
Cobalt Percentage: 10%
Grain Size (µm): ≤ 0.7
Hardness: 92.7 HRa, 1680 HV
Fracture Toughness (K_{1c}): 7.9
TRS (GPa): 4.1
Density (gm/cc): 14.30

SFR Ground Cyl Specs (Metric):
Diameter +0.000/-0.007mm
OAL ±1.52mm

SFR Ground Cylinder Specs:
Diameter +.0000/- .0003
OAL ±.060

Diameter tolerance is .0005 on lengths of 6" and longer. Lengths of 12" (305 mm) are uncut and will have greater OAL plus + tolerance. Series 650 may have chamfer on one end dependent upon size.