

CHAMPION

Silver & Deming Drills

List No. US12

1/2" Shank / 118° Point / Black Finish / HSS



Description: "S&D" drills expand the range of 1/2" portable drill chucks.

Application: Ideal for drilling in both low and medium tensile strength materials.

Note: "S&D" drills should not be used to enlarge holes. See SA80 reamer listing.

EDP No./ Diameter	Decimal Equivalent	Flute Length	Overall Length
US12-33/64	.5156	3-1/8	6
US12-17/32	.5312	3-1/8	6
US12-35/64	.5469	3-1/8	6
US12-9/16	.5625	3-1/8	6
US12-37/64	.5781	3-1/8	6
US12-19/32	.5938	3-1/8	6
US12-39/64	.6094	3-1/8	6
US12-5/8	.6250	3-1/8	6
US12-41/64	.6406	3-1/8	6
US12-21/32	.6562	3-1/8	6
US12-43/64	.6719	3-1/8	6
US12-11/16	.6875	3-1/8	6
US12-45/64	.7031	3-1/8	6
US12-23/32	.7188	3-1/8	6
US12-47/64	.7344	3-1/8	6
US12-3/4	.7500	3-1/8	6
US12-49/64	.7656	3-1/8	6
US12-25/32	.7812	3-1/8	6
US12-51/64	.7969	3-1/8	6
US12-13/16	.8125	3-1/8	6
US12-53/64	.8281	3-1/8	6

EDP No./ Diameter	Decimal Equivalent	Flute Length	Overall Length
US12-27/32	.8438	3-1/8	6
US12-55/64	.8594	3-1/8	6
US12-7/8	.8750	3-1/8	6
US12-57/64	.8906	3-1/8	6
US12-29/32	.9062	3-1/8	6
US12-59/64	.9219	3-1/8	6
US12-15/16	.9375	3-1/8	6
US12-61/64	.9531	3-1/8	6
US12-31/32	.9688	3-1/8	6
US12-63/64	.9844	3-1/8	6
US12-1	1.0000	3-1/8	6
US12-1-1/16	1.0625	3-1/8	6
US12-1-5/64	1.0781	3-1/8	6
US12-1-3/32	1.0938	3-1/8	6
US12-1-1/8	1.1250	3-1/8	6
US12-1-3/16	1.1875	3-1/8	6
US12-1-1/4	1.2500	3-1/8	6
US12-1-5/16	1.3125	3-1/8	6
US12-1-3/8	1.3750	3-1/8	6
US12-1-1/2	1.5000	3-1/8	6

CHAMPION

Cobalt Screw Machine Drills

List No. 1705C

Heavy Duty / 135° Split Point / Gold Oxide Finish



Description: Heat-resistant premium cobalt high speed steel, often referred to as cobalt sub drills. For use in screw machine operations. The short flute and overall length increase their rigidity, resulting in better hole accuracy and extended tool life.

Application: High tensile materials like stainless steel, titanium, manganese steel, armor plate and inconel.

EDP No. / Diameter	Decimal Equivalent	Flute Length	Overall Length
1705C-60	.0400	1/2	1-3/8
1705C-59	.0410	1/2	1-3/8
1705C-58	.0420	1/2	1-3/8
1705C-57	.0430	1/2	1-3/8
1705C-56	.0465	1/2	1-3/8
1705C-3/64	.0469	1/2	1-3/8
1705C-55	.0520	5/8	1-5/8
1705C-54	.0550	5/8	1-5/8
1705C-53	.0595	5/8	1-5/8
1705C-1/16	.0625	5/8	1-5/8
1705C-52	.0635	11/16	1-11/16

EDP No. / Diameter	Decimal Equivalent	Flute Length	Overall Length
1705C-51	.0670	11/16	1-11/16
1705C-50	.0700	11/16	1-11/16
1705C-49	.0730	11/16	1-11/16
1705C-48	.0760	11/16	1-11/16
1705C-5/64	.0781	11/16	1-11/16
1705C-47	.0785	11/16	1-11/16
1705C-46	.0810	3/4	1-3/4
1705C-45	.0820	3/4	1-3/4
1705C-44	.0860	3/4	1-3/4
1705C-43	.0890	3/4	1-3/4
1705C-42	.0935	3/4	1-3/4



EDP No./ Diameter	Decimal Equivalent	Flute Length	Overall Length
1705C-3/32	.0938	3/4	1-3/4
1705C-41	.0960	13/16	1-13/16
1705C-40	.0980	13/16	1-13/16
1705C-39	.0995	13/16	1-13/16
1705C-38	.1015	13/16	1-13/16
1705C-37	.1040	13/16	1-13/16
1705C-36	.1065	13/16	1-13/16
1705C-7/64	.1094	13/16	1-13/16
1705C-35	.1100	7/8	1-7/8
1705C-34	.1110	7/8	1-7/8
1705C-33	.1130	7/8	1-7/8
1705C-32	.1160	7/8	1-7/8
1705C-31	.1200	7/8	1-7/8
1705C-1/8	.1250	7/8	1-7/8
1705C-30	.1285	15/16	1-15/16
1705C-29	.1360	15/16	1-15/16
1705C-28	.1405	15/16	1-15/16
1705C-9/64	.1406	15/16	1-15/16
1705C-27	.1440	1	2-1/16
1705C-26	.1470	1	2-1/16
1705C-25	.1495	1	2-1/16
1705C-24	.1520	1	2-1/16
1705C-23	.1540	1	2-1/16
1705C-5/32	.1562	1	2-1/16
1705C-22	.1570	1-1/16	2-1/8
1705C-21	.1590	1-1/16	2-1/8
1705C-20	.1610	1-1/16	2-1/8
1705C-19	.1660	1-1/16	2-1/8
1705C-18	.1695	1-1/16	2-1/8
1705C-11/64	.1719	1-1/16	2-1/8
1705C-17	.1730	1-1/8	2-3/16
1705C-16	.1770	1-1/8	2-3/16
1705C-15	.1800	1-1/8	2-3/16
1705C-14	.1820	1-1/8	2-3/16
1705C-13	.1650	1-1/8	2-3/16
1705C-3/16	.1875	1-1/8	2-3/16
1705C-12	.1890	1-3/16	2-1/4
1705C-11	.1910	1-3/16	2-1/4
1705C-10	.1935	1-3/16	2-1/4
1705C-9	.1960	1-3/16	2-1/4
1705C-8	.1990	1-3/16	2-1/4
1705C-7	.2010	1-3/16	2-1/4
1705C-13/64	.2031	1-3/16	2-1/4
1705C-6	.2040	1-1/4	2-3/8
1705C-5	.2055	1-1/4	2-3/8
1705C-4	.2090	1-1/4	2-3/8
1705C-3	.2130	1-1/4	2-3/8

EDP No./ Diameter	Decimal Equivalent	Flute Length	Overall Length
1705C-7/32	.2188	1-1/4	2-3/8
1705C-2	.2210	1-5/16	2-7/16
1705C-1	.2280	1-5/16	2-7/16
1705C-A	.2340	1-5/16	2-7/16
1705C-15/64	.2344	1-5/16	2-7/16
1705C-B	.2380	1-3/8	2-1/2
1705C-C	.2420	1-3/8	2-1/2
1705C-D	.2460	1-3/8	2-1/2
1705C-1/4/E	.2500	1-7/16	2-1/2
1705C-F	.2570	1-7/16	2-5/8
1705C-G	.2610	1-7/16	2-5/8
1705C-17/64	.2656	1-7/16	2-5/8
1705C-H	.2660	1-1/2	2-11/16
1705C-I	.2720	1-1/2	2-11/16
1705C-J	.2770	1-1/2	2-11/16
1705C-K	.2810	1-1/2	2-11/16
1705C-9/32	.2812	1-1/2	2-11/16
1705C-L	.2900	1-9/16	2-3/4
1705C-M	.2950	1-9/16	2-3/4
1705C-19/64	.2969	1-9/16	2-3/4
1705C-N	.3020	1-5/8	2-13/16
1705C-5/16	.3125	1-5/8	2-13/16
1705C-O	.3160	1-11/16	2-15/16
1705C-P	.3230	1-11/16	2-15/16
1705C-21/64	.3281	1-11/16	2-15/16
1705C-Q	.3320	1-11/16	3
1705C-R	.3390	1-11/16	3
1705C-11/32	.3438	1-11/16	3
1705C-S	.3480	1-3/4	3-1/16
1705C-T	.3580	1-3/4	3-1/16
1705C-23/64	.3594	1-3/4	3-1/16
1705C-U	.3680	1-13/16	3-1/8
1705C-3/8	.3750	1-13/16	3-1/8
1705C-V	.3770	1-7/8	3-1/4
1705C-W	.3860	1-7/8	3-1/4
1705C-25/64	.3906	1-7/8	3-1/4
1705C-X	.3970	1-15/16	3-5/16
1705C-Y	.4040	1-15/16	3-5/16
1705C-13/32	.4062	1-15/16	3-5/16
1705C-Z	.4130	2	3-3/8
1705C-27/64	.4219	2	3-3/8
1705C-7/16	.4375	2-1/16	3-7/16
1705C-29/64	.4531	2-1/8	3-9/16
1705C-15/32	.4688	2-1/8	3-5/8
1705C-31/64	.4844	2-3/16	3-11/16
1705C-1/2	.5000	2-1/4	3-3/4