

**METAL DRILLING SELECTION GUIDE**

**1** Identify the material to be cut in the columns below

**2** Follow the column down to find the accessory with **BEST PERFORMANCE** or **ACCEPTABLE PERFORMANCE**

	CLEAN WOOD	PVC & PLASTICS	ALUMINUM & OTHER NON-FERROUS METALS	PLATE STEEL (1" - 2")	PLATE STEEL (1/2" - 1")	PLATE STEEL (1/4" - 1/2")	METAL (3/16" - 1/4")	METAL (1/8" - 3/16")	SHEET METAL (UP TO 1/8")	CAST IRON	STAINLESS STEEL	PLASTER/ DRYWALL	MILD STEEL	HIGH ALLOY STEEL
PG. 46	BLACK OXIDE													
PG. 48	TITANIUM													
PG. 48	COBALT													
PG. 49	STEP BITS													
PG. 51	CARBIDE TOOTH SHEET METAL CUTTERS													
PG. 51	CARBIDE TOOTH PLATE STEEL CUTTERS													
PG. 49	1" ANNULAR CUTTERS													
PG. 49	2" ANNULAR CUTTERS													
PG. 50	1 PG STEEL HAWG® CUTTER													
PG. 50	THREADED STEEL HAWG® CUTTER													
PG. 50	QUICK CHANGE TANG STEEL HAWG® CUTTER													

**THUNDERBOLT® BLACK OXIDE DRILL BITS**

**LONG LIFE**

- THUNDERBOLT™ drill bits are designed with a thicker web, providing greater strength and longer life

**EFFICIENT CHIP REMOVAL**

- Parabolic flute clears chips fast

**PRECISION STARTS, NO WALKING**

- 135° split point geometry starts fast, on contact

**CORROSION RESISTANT**

- Black oxide coating provides lubricity and resists corrosion of the bit

**NO SPIN**

- 3-Flat shank holds bit secure in drill chuck



Size	Part Number	Qty/Card	Bulk Pack	Bulk Qty
1/16"	48-89-2710	2	48-89-2820	12
5/64"	48-89-2711	2	48-89-2821	12
3/32"	48-89-2712	2	48-89-2822	12
7/64"	48-89-2713	2	48-89-2823	12
1/8"	48-89-2714	2	48-89-2824	12
9/64"	48-89-2715	1	48-89-2825	12
5/32"	48-89-2716	1	48-89-2826	12
11/64"	48-89-2717	1	48-89-2827	12
3/16"	48-89-2718	1	48-89-2828	12
13/64"	48-89-2719	1	48-89-2829	12
7/32"	48-89-2720	1	48-89-2830	12
15/64"	48-89-2721	1	48-89-2831	12
1/4"	48-89-2722	1	48-89-2832	12
17/64"	48-89-2723	1	48-89-2833	6
9/32"	48-89-2724	1	48-89-2834	6
19/64"	48-89-2725	1	48-89-2835	6
5/16"	48-89-2726	1	48-89-2836	6
21/64"	48-89-2727	1	48-89-2837	6
11/32"	48-89-2728	1	48-89-2838	6
23/64"	48-89-2729	1	48-89-2839	6
3/8"	48-89-2730	1	48-89-2840	6
25/64"	48-89-2731	1	48-89-2841	6
13/32"	48-89-2732	1	48-89-2842	6
27/64"	48-89-2733	1	48-89-2843	6
7/16"	48-89-2734	1	48-89-2844	6
29/64"	48-89-2735	1	48-89-2845	6
15/32"	48-89-2736	1	48-89-2846	6
31/64"	48-89-2737	1	48-89-2847	6
1/2"	48-89-2738	1	48-89-2848	6