

SHOCKWAVE™ RED HELIX™ TITANIUM HEX DRILL BIT SETS – METRIC

Description	Includes	Part No.
 19 Pc Metric SHOCKWAVE™ RED HELIX™ Titanium Drill Bit Set	(1) 2mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4803) (1) 2.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4804) (2) 3mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4805) (1) 3.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4807) (2) 4mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4808) (1) 4.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4810) (1) 5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4812) (1) 5.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4813) (1) 6mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4814) (1) 6.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4815) (1) 7mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4817) (1) 7.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4818) (1) 8mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4819) (1) 8.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4820) (1) 9mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4821) (1) 9.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4822) (1) 10mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4823)	48-89-4860
 25 Pc Metric SHOCKWAVE™ RED HELIX™ Titanium Drill Bit Set	(1) 2mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4803) (1) 2.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4804) (2) 3mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4805) (1) 3.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4807) (2) 4mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4808) (1) 4.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4810) (1) 5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4812) (1) 5.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4813) (1) 6mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4814) (1) 6.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4815) (1) 7mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4817) (1) 7.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4818) (1) 8mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4819) (1) 8.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4820) (1) 9mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4821) (1) 9.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4822) (1) 10mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4823) (1) 10.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4824) (1) 11mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4825) (1) 11.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4826) (1) 12mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4827) (1) 12.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4828) (1) 13mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4829)	48-89-4861
 29 Pc Metric SHOCKWAVE™ RED HELIX™ Titanium Drill Bit Set	(1) 2mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4803) (1) 2.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4804) (2) 3mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4805) (1) 3.2mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4806) (1) 3.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4807) (2) 4mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4808) (1) 4.2mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4809) (1) 4.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4810) (1) 4.8mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4811) (1) 5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4812) (1) 5.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4813) (1) 6mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4814) (1) 6.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4815) (1) 6.8mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4816) (1) 7mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4817) (1) 7.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4818) (1) 8mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4819) (1) 8.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4820) (1) 9mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4821) (1) 9.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4822) (1) 10mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4823) (1) 10.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4824) (1) 11mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4825) (1) 11.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4826) (1) 12mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4827) (1) 12.5mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4828) (1) 13mm Metric Titanium SHOCKWAVE™ RED HELIX™ (48-89-4829)	48-89-4862

RED HELIX™ COBALT DRILL BITS

OVERVIEW

MILWAUKEE® RED HELIX™ Cobalt Drill Bits are engineered for extreme durability and long life in hard metal applications. Designed with a VARIABLE HELIX™ that includes an aggressive 35° Helix Angle which ends at 15°, the Cobalt Bits with RED HELIX™ provide rapid chip removal, limiting heat buildup to stay sharper longer. The 135° split point tip delivers a precision start and prevents walking for fast, accurate holes. Ideal for tough applications and provide up to 10X life vs. black oxide drill bits, but can be used in all twist drilling applications.

FEATURES

- Up to 10X Life vs. black oxide
- RED HELIX™ Design for rapid chip removal, with CHIP BREAKER™ to decrease heat buildup
- 135° Split Point Tip for precision start, no walking



RED HELIX™ COBALT DRILL BITS

Diameter	VARIABLE HELIX™	CHIP BREAKER™	Shank	Part No.
1/16"			Round	48-89-2301
5/64"			Round	48-89-2302
3/32"			Round	48-89-2303
7/64"			Round	48-89-2304
1/8"	X		Round	48-89-2305
9/64"	X		Round	48-89-2306
5/32"	X		Round	48-89-2307
11/64"	X		Round	48-89-2308
3/16"	X	X	3-Flat	48-89-2309
13/64"	X	X	3-Flat	48-89-2310
7/32"	X	X	3-Flat	48-89-2311
15/64"	X	X	3-Flat	48-89-2312
1/4"	X	X	3-Flat	48-89-2313
17/64"	X	X	3-Flat	48-89-2314
9/32"	X	X	3-Flat	48-89-2315

Diameter	VARIABLE HELIX™	CHIP BREAKER™	Shank	Part No.
19/64"	X	X	3-Flat	48-89-2316
5/16"	X	X	3-Flat	48-89-2317
21/64"	X	X	3-Flat	48-89-2318
11/32"	X	X	3-Flat	48-89-2319
23/64"	X	X	3-Flat	48-89-2320
3/8"	X	X	3-Flat	48-89-2321
25/64"	X	X	3-Flat Reduced 3/8"	48-89-2322
13/32"	X	X	3-Flat Reduced 3/8"	48-89-2323
27/64"	X	X	3-Flat Reduced 3/8"	48-89-2324
7/16"	X	X	3-Flat Reduced 3/8"	48-89-2325
29/64"	X	X	3-Flat Reduced 3/8"	48-89-2326
15/32"	X	X	3-Flat Reduced 3/8"	48-89-2327
31/64"	X	X	3-Flat Reduced 3/8"	48-89-2328
1/2"	X	X	3-Flat Reduced 3/8"	48-89-2329