

STEP DRILL BITS

SHOCKWAVE IMPACT DUTY™ STEP DRILL BIT SETS

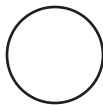
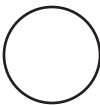
SHOCKWAVE IMPACT DUTY™ STEP DRILL BIT SETS		
Description	Includes	Part No.
 3 PC SHOCKWAVE Impact Duty™ Step Drill Bit Set	(1) #1 SHOCKWAVE Impact Duty™ Step Drill Bit, 1/8" – 1/2" (1) #2 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 1/2" (1) #4 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 7/8" (1) Carrying Case	48-89-9254
 3 PC SHOCKWAVE Impact Duty™ Mechanical Step Drill Bit Set	(1) #2 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 1/2" (1) #3 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 3/4" (1) #8 SHOCKWAVE Impact Duty™ Step Drill Bit, 1/2" – 1" (1) Carrying Case	48-89-9256
 3 PC SHOCKWAVE Impact Duty™ Electrician Step Drill Bit Set	(1) #1 SHOCKWAVE Impact Duty™ Step Drill Bit, 1/8" – 1/2" (1) #4 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 7/8" (1) #9 SHOCKWAVE Impact Duty™ Step Drill Bit, 7/8" – 1-1/8" (1) Carrying Case	48-89-9257

SHOCKWAVE IMPACT DUTY™ STEP DRILL BITS - METRIC

SHOCKWAVE IMPACT DUTY™ STEP DRILL BITS – METRIC		
Description	Number of Holes	Part No.
Metric SHOCKWAVE Impact Duty™ Step Drill Bit, 4 mm – 12 mm	9	48-89-9261
Metric SHOCKWAVE Impact Duty™ Step Drill Bit, 4 mm – 12 mm	5	48-89-9262
Metric SHOCKWAVE Impact Duty™ Step Drill Bit, 4 mm – 20 mm	9	48-89-9263
Metric SHOCKWAVE Impact Duty™ Step Drill Bit, 4 mm – 30 mm	10	48-89-9265

SHOCKWAVE IMPACT DUTY™ STEP DRILL BIT SET - METRIC

SHOCKWAVE IMPACT DUTY™ STEP DRILL BIT SET – METRIC		
Description	Includes	Part No.
 3 PC SHOCKWAVE Impact Duty™ Metric Step Drill Bit Set	(1) Metric SHOCKWAVE Impact Duty™ Step Bit, 4 mm – 12 mm (1) Metric SHOCKWAVE Impact Duty™ Step Bit, 4 mm – 20 mm (1) Metric SHOCKWAVE Impact Duty™ Step Bit, 4 mm – 30 mm (1) Carrying Case	48-89-9266



JAM-FREE STEP DRILL BITS

OVERVIEW

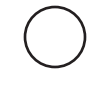
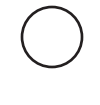
MILWAUKEE® Step Drill Bits with JAM-FREE Performance feature a dual-flute design delivering up to 2X faster hole times, up to 4X longer life and up to 50% more holes per battery charge than competitors. Ideal for drilling small and large-diameter holes in steel and plastic, these bits are optimized for cordless drills in high speed. The RAPID STRIKE™ Tip allows for a fast and accurate start that generates less heat, resulting in longer bit tip life. Black oxide coating also enhances durability, hole quality, and bit life. For user convenience and accuracy, each bit has laser-engraved reference marks you can see while drilling. The 3-flat SECURE GRIP™ shank ensures a solid connection with the drill chuck. JAM-FREE Performance in high speed with most professional 18-volt cordless drills’ lithium-ion battery technology.

FEATURES

- JAM-FREE Performance: Dual-flute design provides greater speed and control
- Up to 2X Faster: Optimized for cordless drills in high speed
- RAPID STRIKE™ Tip: Creates fast, accurate starts and generates less heat



STEP DRILL BITS



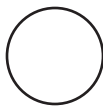
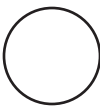
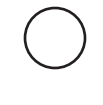
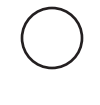
JAM-FREE STEP DRILL BITS

Description	Number of Holes	Part No.
#1 Step Drill Bit, 1/8" – 1/2"	13	48-89-9201
#2 Step Drill Bit, 3/16" – 1/2"	6	48-89-9202
#3 Step Drill Bit, 1/4" – 3/4"	9	48-89-9203
#4 Step Drill Bit, 3/16" – 7/8"	12	48-89-9204
#5 Step Drill Bit, 1/4" – 1-3/8"	10	48-89-9205
#6 Step Drill Bit, 3/8" & 1/2"	2	48-89-9206

Description	Number of Holes	Part No.
#7 Step Drill Bit, 7/8" Single Hole	1	48-89-9207
#8 Step Drill Bit, 1/2" – 1"	9	48-89-9208
#9 Step Drill Bit, 7/8" & 1-1/8"	2	48-89-9209
#11 Step Drill Bit, 7/8" – 1-7/32"	3	48-89-9211
#12 Step Drill Bit, 7/8" – 1-3/8"	5	48-89-9212

JAM-FREE STEP DRILL BIT SETS

JAM-FREE STEP DRILL BIT SETS		
Description	Includes	Part No.
 2 PC #4 Step Drill Bit Set	(2) #4 Step Drill Bits, 3/16" – 7/8"	48-89-9234
 2 PC #9 Step Drill Bit Set	(2) #9 Step Drill Bits, 7/8" & 1-1/8"	48-89-9239
 3 PC Step Drill Bit Set	(1) #1 Step Drill Bit, 1/8" – 1/2" (1) #2 Step Drill Bit, 3/16" – 1/2" (1) #4 Step Drill Bit, 3/16" – 7/8" (1) Carrying Case	48-89-9221



STEP DRILL BITS

JAM-FREE STEP DRILL BIT SETS

Description	Includes	Part No.
 4 PC Step Drill Bit Set	(1) #1 Step Drill Bit, 1/8" – 1/2" (1) #4 Step Drill Bit, 3/16" – 7/8" (1) #7 Step Drill Bit, 7/8" Single Hole (1) #12 Step Drill Bit, 7/8" – 1-3/8" (1) Carrying Case	48-89-9223
 6 PC Step Drill Bit Set	(1) #1 Step Drill Bit, 1/8" – 1/2" (1) #4 Step Drill Bit, 3/16" – 7/8" (1) #6 Step Drill Bit, 3/8" & 1/2" (1) #7 Step Drill Bit, 7/8" Single Hole (1) #8 Step Drill Bit, 1/2" – 1" (1) #9 Step Drill Bit, 7/8" & 1-1/8" (1) Carrying Case	48-89-9224
 10 PC Step and Drill Bit Set	(1) #1 Step Drill Bit, 1/8" – 1/2" (1) #4 Step Drill Bit, 3/16" – 7/8" (2) 1/16" THUNDERBOLT® Black Oxide Drill Bits (2) 3/32" THUNDERBOLT® Black Oxide Drill Bits (2) 1/8" THUNDERBOLT® Black Oxide Drill Bits (2) 3/16" THUNDERBOLT® Black Oxide Drill Bits (1) Carrying Case	48-89-9222

JAM-FREE METRIC STEP DRILL BITS

JAM-FREE METRIC STEP DRILL BITS

Description	Number of Holes	Part No.
Step Drill Bit 4 mm – 12 mm	9	48-89-9301
Step Drill Bit 4 mm – 12 mm	5	48-89-9302
Step Drill Bit 4 mm – 20 mm	9	48-89-9320
Step Drill Bit PG7-PG21 (28 mm)	9	48-89-9321

Description	Number of Holes	Part No.
Step Drill Bit M6-M32 (32.5 mm)	13	48-89-9332
Step Drill Bit 6 mm – 35 mm	14	48-89-9335
Step Drill Bit 6 mm – 40.5 mm	17	48-89-9340

JAM-FREE METRIC STEP DRILL BIT SET

Description	Includes	Part No.
 3 PC Metric Step Drill Bit Set	(1) 4-12mm Step Drill Bit (1) 4-20mm Step Drill Bit (1) 6-35mm Step Drill Bit	48-89-9399



TWIST DRILL BITS

SHOCKWAVE IMPACT DUTY™ RED HELIX™ TITANIUM HEX DRILL BITS

OVERVIEW

SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bits are engineered for use in Impacts and Drill/Drivers. RED HELIX™ Drill Bits feature a QUAD EDGE™ Tip designed with four cutting edges that help decrease heat buildup and allow for faster drilling. These bits also feature an Enhanced Tapered Web, strengthening the bits’ cores to increase flute durability, and a Variable Helix flute including an aggressive 35 degree Helix Angle which ends at 15 degrees. Designed to provide precision starts and prevent walking for fast, accurate holes in Wood, PVC and Mild Steel, Shockwave RED HELIX™ Titanium Drill Bits provide up to 5X life vs. Black Oxide Drill Bits. Choose from single drill bit sizes ranging from 1/16" to 1/2" or from several drill bit sets.

FEATURES

- 5X Longer Life vs. Black Oxide Drill Drills
- Ability to drill through wood, PVC, mild steel
- SHOCKWAVE Impact Duty™ Bits: 1/4" Hex Shank for use with an impact driver or drill



SHOCKWAVE IMPACT DUTY™ RED HELIX™ TITANIUM HEX DRILL BITS

Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
1/16"			1/4" Hex	48-89-4601
5/64"			1/4" Hex	48-89-4602
3/32"			1/4" Hex	48-89-4603
7/64"			1/4" Hex	48-89-4604
1/8"	X		1/4" Hex	48-89-4605
9/64"	X		1/4" Hex	48-89-4606
5/32"	X		1/4" Hex	48-89-4607
11/64"	X		1/4" Hex	48-89-4608
3/16"	X	X	1/4" Hex	48-89-4609
13/64"	X	X	1/4" Hex	48-89-4610
7/32"	X	X	1/4" Hex	48-89-4611
15/64"	X	X	1/4" Hex	48-89-4612
1/4"	X	X	1/4" Hex	48-89-4613
17/64"	X	X	1/4" Hex	48-89-4614
9/32"	X	X	1/4" Hex	48-89-4615

Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
19/64"	X	X	1/4" Hex	48-89-4616
5/16"	X	X	1/4" Hex	48-89-4617
21/64"	X	X	1/4" Hex	48-89-4618
11/32"	X	X	1/4" Hex	48-89-4619
23/64"	X	X	1/4" Hex	48-89-4620
3/8"	X	X	1/4" Hex	48-89-4621
25/64"	X	X	1/4" Hex	48-89-4622
13/32"	X	X	1/4" Hex	48-89-4623
27/64"	X	X	1/4" Hex	48-89-4624
7/16"	X	X	1/4" Hex	48-89-4625
29/64"	X	X	1/4" Hex	48-89-4626
15/32"	X	X	1/4" Hex	48-89-4627
31/64"	X	X	1/4" Hex	48-89-4628
1/2"	X	X	1/4" Hex	48-89-4629

TWIST DRILL BITS



SHOCKWAVE IMPACT DUTY™ RED HELIX™ TITANIUM HEX DRILL BITS – METRIC

Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
2 mm			1/4" Hex	48-89-4803
2.5 mm			1/4" Hex	48-89-4804
3 mm	X		1/4" Hex	48-89-4805
3.2 mm	X		1/4" Hex	48-89-4806
3.5 mm	X		1/4" Hex	48-89-4807
4 mm	X		1/4" Hex	48-89-4808
4.2 mm	X	X	1/4" Hex	48-89-4809
4.5 mm	X	X	1/4" Hex	48-89-4810
4.8 mm	X	X	1/4" Hex	48-89-4811
5 mm	X	X	1/4" Hex	48-89-4812
5.5 mm	X	X	1/4" Hex	48-89-4813
6 mm	X	X	1/4" Hex	48-89-4814
6.5 mm	X	X	1/4" Hex	48-89-4815
6.8 mm	X	X	1/4" Hex	48-89-4816

Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
7 mm	X	X	1/4" Hex	48-89-4817
7.5 mm	X	X	1/4" Hex	48-89-4818
8 mm	X	X	1/4" Hex	48-89-4819
8.5 mm	X	X	1/4" Hex	48-89-4820
9 mm	X	X	1/4" Hex	48-89-4821
9.5 mm	X	X	1/4" Hex	48-89-4822
10 mm	X	X	1/4" Hex	48-89-4823
10.5 mm	X	X	1/4" Hex	48-89-4824
11 mm	X	X	1/4" Hex	48-89-4825
11.5 mm	X	X	1/4" Hex	48-89-4826
12 mm	X	X	1/4" Hex	48-89-4827
12.5 mm	X	X	1/4" Hex	48-89-4828
13 mm	X	X	1/4" Hex	48-89-4829

SHOCKWAVE IMPACT DUTY™ RED HELIX™ TITANIUM HEX DRILL BIT SETS

Description	Includes	Part No.
 4 PC SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(1) 1/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 1/4" Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4644
 10 PC SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(2) 1/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 11/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 1/4" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4633
 15 PC SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(2) 1/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 1/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 3/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 1/4" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4630

Description	Includes	Part No.
23 PC SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(2) 1/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 5/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 7/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 1/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 9/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 5/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 11/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 3/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 13/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 15/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 1/4" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4631
29 PC SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(1) 1/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 1/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 11/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 13/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 15/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 1/4" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 17/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 19/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 21/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 11/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 23/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3/8" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 25/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 13/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 27/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7/16" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 29/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 15/32" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 31/64" Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 1/2" Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4632

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

Description	Includes	Part No.
 10 PC Metric SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(1) 3 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 4 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 4.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 6 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 8 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 10 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4859