

Hammer Bits

Superior Design for Maximum Impact



*SDS-Plus/SDS-Max/Spline Hammer Bits
Hammer Core Bits
Straight Shank Masonry Bits*



CHAMPION[®]
CUTTING TOOL CORP.

Hammer Bits

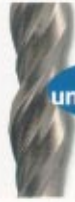
Superior Design for Maximum Impact

The technology

The continual development of new building materials and more powerful rotary hammers has challenged manufacturers to develop drill bits to meet the demands of performance, ergonomics and operator convenience. Engineered for maximum performance from today's hammer power tools, Champion hammer bits incorporate optimal design of head, fluting, and shank. The benefits are operator comfort, superior performance and longer lasting tools. Use of the highest quality chrome-nickel-molybdenum steel, special impact grade carbide, vacuum heat-treating and brazing results in a high quality drill bit that maximizes the performance of the rotary hammer.

The Champion Advantage

QX Multi-Cutter Head



Patented undercut fluting



Shanks designed for maximum energy transmission

Steel and Fluting

Champion's designs feature patented undercut fluting for quick and complete dust removal. The body is made from high-grade tool steel hardened to 50 Rockwell at the core. Even distribution of cobalt throughout high-density tungsten carbide compound assures greater strength, longer wear and impact resistance.

Shanks

The shanks of Champion hammer bits are designed for maximum energy transmission, which is especially critical when drilling large diameter holes. Champion splines are held to very close tolerances to ensure the best fit between bit and tool holder.

Champion drill bits meet strict DIN and ANSI standards and are designed to exceed the performance expectations of the user. They outperform other leading manufacturers in terms of penetration, speed and drill bit life.

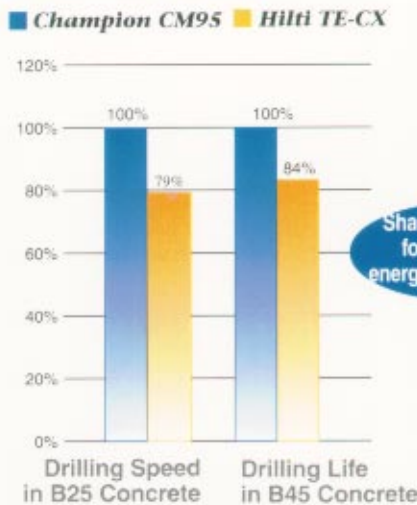


The service

Our complete line of hammer and rotary masonry drills come with the high quality of service you have come to expect from Champion. Same-day shipping and the highest fill-rate in the industry mean you get the tools you need, when you need them! Clearly labeled and packed in heavy-duty telescoping tubes or vinyl sleeves, your tools will be ready for use when you are.



SDS-Plus Comparison



Tips

SDS-Max and CM98 spline bits feature the latest QX multi-cutter head, which delivers 30% more lifetime in 4500 psi concrete. And up to 5 times longer life when hitting rebars! The 4-cutter drilling head with X-shape cutter formation penetrates quickly and powerfully into the hardest concrete and brickwork. No jamming should reinforcement bar be hit.

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CM95 SDS-Plus

The world's fastest SDS-Plus bit, Champion's CM95 features the versatile "slot drive system", S4™ double flute design, and chisel formed head for rapid penetration in hardest concrete or stone. Up to 25% faster and longer life than standard SDS-Plus single flute drill bits. Rebar resistant.

Single Point



SDS-Plus Shank

- Industry's fastest SDS drill cuts 25% faster.
- 40% longer tool life
- Extremely resistant in reinforced concrete.
- High performance in cordless tools.



CM96 SDS-Max QX-Head

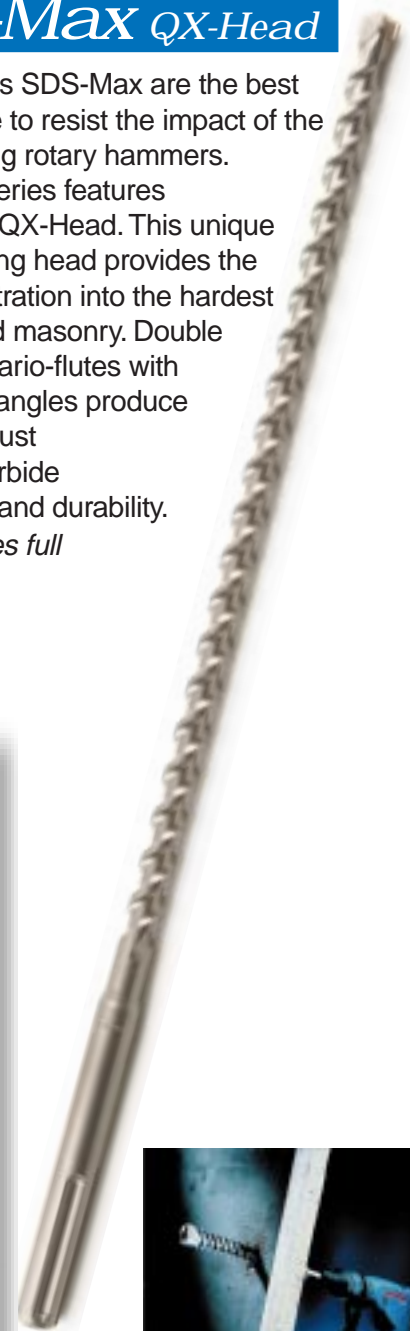
QX-Head



SDS-Max Shank

Champion's SDS-Max are the best bits available to resist the impact of the hardest hitting rotary hammers. The CM96 series features Champion's QX-Head. This unique 4-cutter drilling head provides the fastest penetration into the hardest concrete and masonry. Double helical and vario-flutes with progressive angles produce

- straighter holes and faster dust removal. Supreme grade carbide tips ensure fast penetration and durability.
- Core strengthening ensures full power transmission
 - Resists rebar hits
 - High speed dust removal



CM95 SDS PLUS

list - dia x fl x oal

- CM95-5/32X2X4
- CM95-5/32X4X6
- CM95-3/16X2X4
- CM95-3/16X4X6*
- CM95-3/16X6X8
- CM95-3/16X10X12
- CM95-7/32X4X6
- CM95-7/32X10X12
- CM95-1/4X2X4*
- CM95-1/4X4X6*
- CM95-1/4X6X8
- CM95-1/4X8X10
- CM95-1/4X10X12
- CM95-5/16X4X6*
- CM95-5/16X10X12
- CM95-3/8X4X6*
- CM95-3/8X8X10
- CM95-3/8X10X12
- CM95-3/8X22X24
- CM95-7/16X4X6
- CM95-1/2X4X6*
- CM95-1/2X8X10
- CM95-1/2X10X12
- CM95-1/2X16X18
- CM95-1/2X22X24
- CM95-9/16X4X6
- CM95-5/8X6X8*
- CM95-5/8X10X12
- CM95-5/8X16X18
- CM95-3/4X6X8
- CM95-3/4X10X12
- CM95-7/8X6X8
- CM95-7/8X10X12
- CM95-1X8X10
- CM95-1X16X18

CM96 SDS MAX

list - dia x fl x oal

- CM96-1/2X8X13*
- CM96-1/2X16X21*
- CM96-5/8X8X13
- CM96-5/8X16X21
- CM96-5/8X31X36
- CM96-3/4X8X13
- CM96-3/4X16X21
- CM96-3/4X31X36
- CM96-7/8X8X13
- CM96-7/8X16X21
- CM96-1X8X13
- CM96-1X16X21
- CM96-1X31X36
- CM96-1-1/8X12X17
- CM96-1-1/8X18X23
- CM96-1-1/4X18X23
- CM96-1-1/4X31X36
- CM96-1-3/8X18X23
- CM96-1-1/2X18X23

*single point

Power Tool Cross Reference

SDS-Plus Drill Bits

B&D®	BOSCH®	HILTI®	KEE®	DEWALT®
5013K	11207	TE1	5311	DW514K
5014K	11210	TE5	5316	DW566K
5016K	11211	TE5A	5322	
5054K	11212	TE6A	5362	
5056K	11213	TE15	5366	
5057K	11215	TE18	5367	
	11221	TE25	5368	
	11222	MILWAU-	5383	
	11224		5303	
	11228			

Power Tool Cross Reference

SDS-Max Drill Bits

B&D®	BOSCH®	HILTI®	MILWAUKEE®	DEWALT®
5097K	11214	TE55	5346	DW541K
5099K	11216	TE75	5315	DW545K
	11223	TE76		
	11227	TE60		
	11231	TE74		
		TE92		

*Available in 25 piece bulk pack.

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CM97 Spline

The fastest growing hammer bit on the market, Champion CM97 spline bits feature undercut helical fluting for excellent dust removal.

The 12-groove spline shank is precision machined to strict tolerances for maximum hammer performance.

- Vacuum brazed carbide tips
- HL20 Grade carbide
- Vacuum heat treated for increased strength.
- Complete range from 3/8" to 2" diameter

Single Point



Spline Shank

CM98 Spline QX-Head

QX Head



Spline Shank

Champion's new CM98 bit features a spline shank and four multiple angled carbide cutting edges. The unique flute design enhances dust evacuation, while cutting accurate round holes, for optimum connection of anchor fittings. The slim QX-Head quickly and powerfully penetrates the hardest concrete and brickwork, while resisting jamming in reinforcing bar. Ideal for fast breakthroughs, the power of the machine is converted into drilling performance. Low vibration level reduces stress on machine and operator.

- 50% longer bit life
- 30% less noise
- 60% less vibration

CM97 SPLINE

list - dia x fl x oal

CM97-3/8X3X8
 CM97-3/8X6X11
 CM97-3/8X8X13
 CM97-3/8X11X16
 CM97-1/2X6X11
 CM97-1/2X8X13
 CM97-1/2X11X16
 CM97-1/2X18X23
 CM97-1/2X22X27
 CM97-1/2X31X36
 CM97-9/16X6X11
 CM97-5/8X5X10
 CM97-5/8X11X16
 CM97-5/8X8X13
 CM97-5/8X18X23
 CM97-5/8X22X27
 CM97-5/8X31X36
 CM97-3/4X6X11
 CM97-3/4X11X16
 CM97-3/4X18X23
 CM97-3/4X22X27
 CM97-3/4X31X36
 CM97-7/8X11X16
 CM97-7/8X18X23
 CM97-7/8X31X36
 CM97-1X11X16
 CM97-1X18X23
 CM97-1X31X36
 CM97-1-1/8X11X16
 CM97-1-1/8X17X22
 CM97-1-1/4X11X16
 CM97-1-1/4X17X22
 CM97-1-1/4X31X36
 CM97-1-3/8X11X16
 CM97-1-3/8X17X22
 CM97-1-1/2X11X16
 CM97-1-1/2X17X22
 CM97-1-3/4X17X22
 CM97-2X17X22

CM98 SPLINE

list - dia x fl x oal

CM98-5/8X6X11
 CM98-5/8X11X16
 CM98-5/8X18X23
 CM98-5/8X22X27
 CM98-3/4X6X11
 CM98-3/4X11X16
 CM98-3/4X18X23
 CM98-3/4X22X27
 CM98-7/8X11X16
 CM98-7/8X18X23
 CM98-1X11X16
 CM98-1X18X23
 CM98-1-1/8X11X16
 CM98-1-1/8X18X23
 CM98-1-1/4X11X16
 CM98-1-1/4X18X23
 CM98-1-3/8X18X23
 CM98-1-1/2X18X23

Power Tool Cross Reference

Spline Drill Bits

B&D®	BOSCH®	HILTI®	MILWAUKEE®	DEWALT®
5041K	11202	Not Avail.	5321	DW530K
5042K	11203		5343	DW531K
5043K	11204		5345	DW532K
5044K	11205		5347	DW533K
5045K	11208		5348	
5049K	11214			
5093K	11219			
5095K	11220			
5096K	11232			
5098K	11233			



CM89 Core Bits

The new core body design with active centering bit delivers up to 30% more performance. The special reinforced threaded shank offers the flexibility of a quick change between SDS-Max and spline shanks. High comfort and drilling speed are achieved thanks to the continuous hammering action of the active centering bit and asymmetrical teeth setting.



- Drill holes up to 5" diameter
- 4" usable length
- Irregular carbide intervals for faster drilling
- Less operator effort required



CM89 Core Bits

- CM89-1-3/4
- CM89-2
- CM89-2-5/8
- CM89-3-1/4
- CM89-3-1/2
- CM89-4
- CM89-5

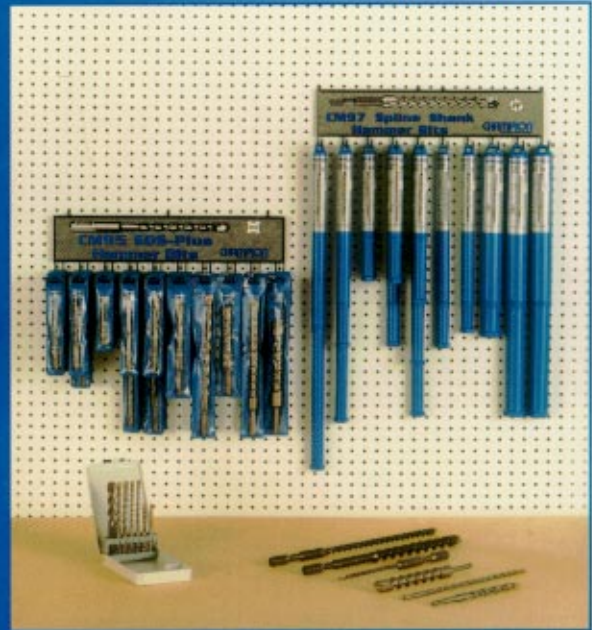
Shank Adapters

List No.	Description
CM96-S8	8" SDS-Max
CM96-S18	18" SDS-Max
CM97-S8	8" Spline
CM97-S18	18" Spline

Quick Change Adapters

List No.	Description
CM96-SDS-Plus	SDS-Max to SDS-Plus
CM97-SDS-Plus	Spline to SDS-Plus

Sets and Displays



DIS-CM95 - SDS-Plus Display

3/16X4X6, 1/4X2X4, 1/4X4X6, 1/4X6X8, 3/8X4X6, 3/8X8X10, 3/8X10X12, 1/2X4X6, 1/2X8X10, 1/2X10X12, 5/8X6X8, 5/8X10X12, 5/8X6X8, 3/4X10X12 and 1X8X10

CM95-Set

3/16X4X6, 1/4X2X4, 1/4X4X6 (2), 5/16X4X6, 3/8X4X6, 1/2X4X6



DIS-CM96 - SDS Max Display

1/2X8X13, 1/2X16X21, 5/8X8X13, 5/8X16X21, 3/4X8X13, 3/4X16X21, 7/8X16X21, 1X8X13, 1X16X21, 1-1/8X18X23, 1-1/4X18X23

DIS-CM97 - Spline Display

3/8X6X11, 3/8X11X16, 1/2X6X11, 1/2X11X16, 1/2X18X23, 12X22X27, 5/8X8X13, 5/8X11X16, 5/8X18X23, 3/4X11X16, 7/8X11X16, 1X11X16, 1-1/8X17X22, 1-1/4X17X22

DIS-CM98 - Spline Display

5/8X6X11, 5/8X11X16, 5/8X18X23, 3/4X6X11, 3/4X11X16, 3/4X18X23, 7/8X11X16, 1X11X16, 1X18X23, 1-1/8X18X23, 1-1/4X18X23

Rotary & Percussion Drills

Straight shank masonry drills for concrete, brick, ceramic tile, cinderblock, terra cotta and related materials.

Fast Spiral

For materials that produce a fine powder.

CM6 - 4" Length



CM6-3/16
CM6-7/32
CM6-1/4
CM6-9/32
CM6-5/16
CM6-3/8
CM6-7/16

CM66 - 6" Length



CM66-1/4
CM66-9/32
CM66-5/16
CM66-3/8
CM66-7/16
CM66-1/2
CM66-1/2X3/8
CM66-9/16
CM66-5/8
CM66-11/16
CM66-3/4
CM66-13/16
CM66-7/8
CM66-1

Percussion

For use in rotary percussion drills with 3 jaw chucks.

CM85 - Industrial Grade



CM85-3/16X3
CM85-1/4X4
CM85-1/4X6
CM85-7/32X4
CM85-9/32X6
CM85-5/16X4
CM85-5/16X6
CM85-5/16X12
CM85-3/8X4
CM85-3/8X6
CM85-3/8X12
CM85-7/16X6
CM85-1/2X1/4X6
CM85-1/2X3/8X6
CM85-1/2X3/8X12
CM85-9/16X6
CM85-5/8X6
CM85-5/8X12
CM85-11/16X6
CM85-3/4X6
CM85-3/4X12
CM85-7/8X6
CM85-1X6

Deep Flute

For materials that produce a coarse powder or gravel.

CM8 - 4" Length



CM8-1/8
CM8-9/64
CM8-5/32
CM8-11/64
CM8-3/16
CM8-7/32
CM8-1/4
CM8-9/32
CM8-5/16
CM8-3/8
CM8-7/16

CM86 - 6" Length



CM86-3/16
CM86-1/4
CM86-9/32
CM86-5/16
CM86-3/8
CM86-7/16
CM86-1/2
CM86-1/2X3/8
CM86-9/16
CM86-5/8
CM86-11/16
CM86-3/4
CM86-13/16
CM86-7/8
CM86-1
CM86-1-1/8
CM86-1-3/16
CM86-1-1/4
CM86-1-5/16
CM86-1-3/8
CM86-1-1/2

Percussion

Contract Series masonry drills for rotary and percussion drilling.

CSC4 - 4" Length



CSC4-1/8
CSC4-3/16
CSC4-7/32
CSC4-1/4
CSC4-5/16
CSC4-3/8
CSC4-7/16
CSC4-1/2X1/4

CSC6 - 6" Length



CSC6-1/4
CSC6-5/16
CSC6-3/8
CSC6-7/16
CSC6-1/2X1/4
CSC6-1/2X3/8
CSC6-5/8
CSC6-3/4



Extra Length

For use in standard three-jaw chuck power tools.

CM12 - 12"



CM12-3/16
CM12-1/4
CM12-5/16
CM12-3/8
CM12-7/16
CM12-1/2
CM12-9/16
CM12-5/8
CM12-3/4
CM12-7/8
CM12-1
CM12-1-1/8
CM12-1-3/16
CM12-1-1/4
CM12-1-3/8
CM12-1-1/2

CM18 - 18"

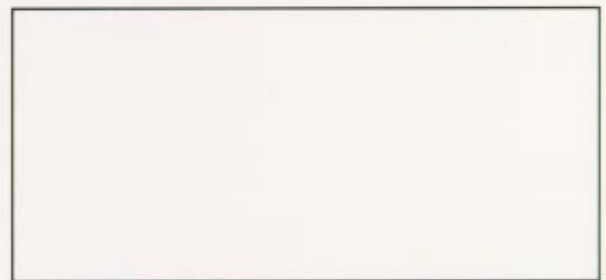


CM18-1/4
CM18-5/16
CM18-3/8
CM 9/16
CM18-5/8
CM18-3/4
CM18-7/8
CM18-1
CM18-1-1/8
CM18-1-3/16
CM18-1-1/4
CM18-1-3/8
CM18-1-1/2
CM24-1/4

CM24 - 24"



CM24-5/16
CM24-3/8
CM24-1/2
CM24-9/16
CM24-5/8
CM24-3/4
CM24-7/8
CM24-1
CM24-1-1/8
CM24-1-3/16
CM24-1-1/4
CM24-1-3/8
CM24-1-1/2



Your Authorized Champion Distributor

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