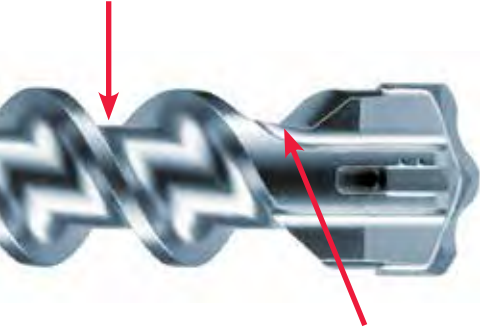


4-Cutter Design

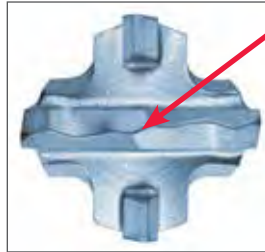
Flute Design:

Enhances the vibration characteristics of the drill bit. The impact energy of the rotary hammer is transferred efficiently into drilling performance and thus provides less strenuous drilling. The flute geometry provides best dust removal, especially when working vertically. The friction in the hole is minimized when the dust is ejected quickly.



Shortened Entrance Groove:

The head with short dust entrance grooves ensures that the drill bit dust is removed quickly from the hole.



Centering Point:

For improved centering on hard or smooth surfaces. The aggressive carbide tip geometry optimizes the cutting characteristic when drilling through reinforcement bars. The centering point keeps the hole straight so there is less friction and wear on the sides of the flutes.

Both the 4-Cutter & 2-Cutter Design feature 4 Flute Construction



- **Two additional flutes** reduces the vibration and improves the effect of the hammer action.
- **Thicker cross-section** transfers more impact directly to the cutting tip.
- **The patented four fluted design** provides faster, easier drilling with less strain on operator and tool

2-Cutter Design

Aggressive Cutting Edge for

- extremely fast penetration
- drilling through very hard stone
- cutting through rebar
- quickly and smoothly penetrating tile and other hard surfaces



Ground Flute for

- fast penetration
- best drill dust removal

High Alloy Steel for

- long tool life
- improved impact transfer to cutting tip
- less wear on flute edges and hammer contact end

Distinctive Centering Point for

- precise spot drilling
- effective guidance of drill bit to minimize flute wear
- precise start on very hard surfaces

Ultra-X Design

Flute design for

- minimizing vibration and maximizing bit life

High volume:

- fast spiral quickly removes dust



4-Cutter

- Unique solid carbide head
- Optimal performance in reinforced concrete



Dia. (inches)	Drilling Depth (inches)	Total Length (inches)	2-Cutter	Bulk Packs	Qty. (per pack)	4-Cutter	Ultra-X
5/32	2	4	674505000 (Pro 4)	676276000	25		
5/32	4	6	674605000 (Pro 4)	674652000	25		
5/32	2-3/8	5	688067000 (Tapcon)				
5/32	3-1/8	6	688068000 (Tapcon)				
5/32	4-1/8	7	688069000 (Tapcon)				
3/16	2	4	674506000 (Pro 4)	676277000	25		674840000
3/16	4	6	674606000 (Pro 4)	674656000	25		674841000
3/16	6	8	676127000 (Pro 4)				674842000
3/16	8	10	676147000 (Pro 4)				674843000
3/16	10	12	674706000 (Pro 4)				674844000
3/16	12	14	676148000 (Pro 4)				
3/16	2-3/8	5	688070000 (Tapcon)				
3/16	3-1/8	6	688071000 (Tapcon)				
3/16	4-1/8	7	688072000 (Tapcon)				
3/16	14	16	676507000 (Pro 4)				
7/32	4-1/4	6-1/4	676132000 (Pro 4)				
7/32	6-1/4	8-1/4	676129000 (Pro 4)				
7/32	9	11	676130000 (Pro 4)				
7/32	12	14	676149000 (Pro 4)				
7/32	14	16	676131000 (Pro 4)				
1/4	2	4	674508000 (Pro 4)	674558000	25		674845000
1/4	4	6	674708000 (Pro 4)	674758000	25		674846000
1/4	6	8	674808000 (Pro 4)	676281000	25		674847000
1/4	8	10					674848000
1/4	9	11	674908000 (Pro 4)	674908100	25		
1/4	10	12					674849000
1/4	12	14	676150000 (Pro 4)				
1/4	14	16	676151000 (Pro 4)				
1/4	18	20	674909000 (Pro 4)				
9/32	6	8	676152000 (Pro 4)				
5/16	4	6	674510000 (Pro 4)	676282000	25		674850000
5/16	6	8	674710000 (Pro 4)				674851000
5/16	10	12	674810000 (Pro 4)				674852000
5/16	16	18					674853000
3/8	4	6	674512000 (Pro 4)	674562000	20		
3/8	6-1/4	8-1/4	676125000 (Pro 4)	676283000	25		
3/8	8	10	674712000 (Pro 4)				
3/8	10-1/4	12-1/4	676123000 (Pro 4)				674854000
3/8	16	18	674713000 (Pro 4)				674855000
3/8	22	24	674714000 (Pro 4)				
7/16	4	6	674514000 (Pro 4)				674856000
7/16	8-1/4	10-1/4	676153000 (Pro 4)				
7/16	10-1/4	12-1/4	676133000 (Pro 4)				674857000
7/16	16	18	676154000 (Pro 4)				674858000
1/2	4	6	674516000 (Pro 4)	674566000	25		674859000
1/2	8	10	674716000 (Pro 4)				
1/2	10-1/4	12-1/4	688062000 (Pro 4)				674860000
1/2	16	18	674816000 (Pro 4)				674861000
1/2	22	24	674818000 (Pro 4)				
9/16	4-1/4	6-1/4	674819000 (Pro 4)				674862000
9/16	8-1/4	10-1/4	676155000 (Pro 4)				
9/16	10-1/4	12-1/4	676156000 (Pro 4)				674863000
9/16	16	18	676157000 (Pro 4)				674864000
5/8	4-1/4	6-1/4	676158000 (Pro 4)				
5/8	6	8	674520000 (Pro 4)	676286000	10	688074000	
5/8	8	10				676173000	
5/8	10	12	674620000 (Pro 4)			676174000	
5/8	16	18	674720000 (Pro 4)			676177000	
5/8	22	24	676159000 (Pro 4)				
11/16	6	8	676166000 (Pro 4)				
11/16	10	12	676167000 (Pro 4)				
3/4	6	8	674524000 (Pro 4)	676288000	15		
3/4	8	10	676126000 (Pro 4)			676181000	
3/4	10	12	674624000 (Pro 4)			676183000	
3/4	16	18	674724000 (Pro 4)			676185000	
3/4	22	24	676168000 (Pro 4)				
7/8	6	8	676169000 (Pro 4)			676191000	
7/8	8	10	674528000 (Pro 4)			676192000	
7/8	10-1/4	12-1/4	676170000 (Pro 4)			676193000	
7/8	16	18	674728000 (Pro 4)			676196000	
1	6	8	676171000 (Pro 4)				
1	8	10	674600000 (Pro 4)			676199000	
1	10	12	676172000 (Pro 4)			676201000	
1	16	18	674800000 (Pro 4)			676205000	
1-1/8	8	10				674804000	
1-1/8	16	18				688065000	
1-1/4	16	18				688066000	
Assortment bit kit			688073000 (Tapcon)				

SDS-Plus Shank

Fits Metabo KHE-D24, KHE-D28, BHE2243, KHE2443, KHE3250, UHE2650, BHA18, KHA24 and all SDS-Plus Rotary Hammers

>Pro 4< Design
Bit diameters 5/32" - 5/8"

ADVANTAGES



- Unique tip design provides easy centering and fast drilling
- Chisel-shaped bit head penetrates material rapidly
- Multifluted spiral shaft quickly removes concrete dust from the hole for faster drilling and longer bit life
- Reinforced flute geometry reduces vibration and transfers more impact power to the tip, further enhancing drilling speed and life expectancy

Standard 2-Cutter Design

Bit diameters 11/16" - 1"

ADVANTAGES



- Chisel-shaped bit head penetrates material rapidly
- Dust and debris removed quickly by the asymmetrical double fluted shaft
- Reinforced linear core improves stability and maximizes power transmission from the rotary hammer to the bit's tip
- Narrow lands reduce friction and vibration, relieving strain on user and rotary hammer

4-Cutter Design

Bit diameters 5/8" - 1 1/4"

ADVANTAGES



- Drills precise round holes for ease of anchor installation and stronger anchor holding
- Lowest vibration for greater user comfort and reduced strain on the rotary hammer
- Maximum drilling speed from additional carbide in tip
- Double spiral flute for fast dust extraction maximizes bit life and drilling speed

Ultra-X

Bit diameters 3/16" - 9/16"

ADVANTAGES



- One piece 4-cutter solid carbide head for optimal performance in reinforced concrete
- 4 x 90° solid head; low vibration, precise holes
- Chisel-shaped bit head penetrates material rapidly
- Fast spiral flutes for rapid removal of dust
- Optimized flute core strength