

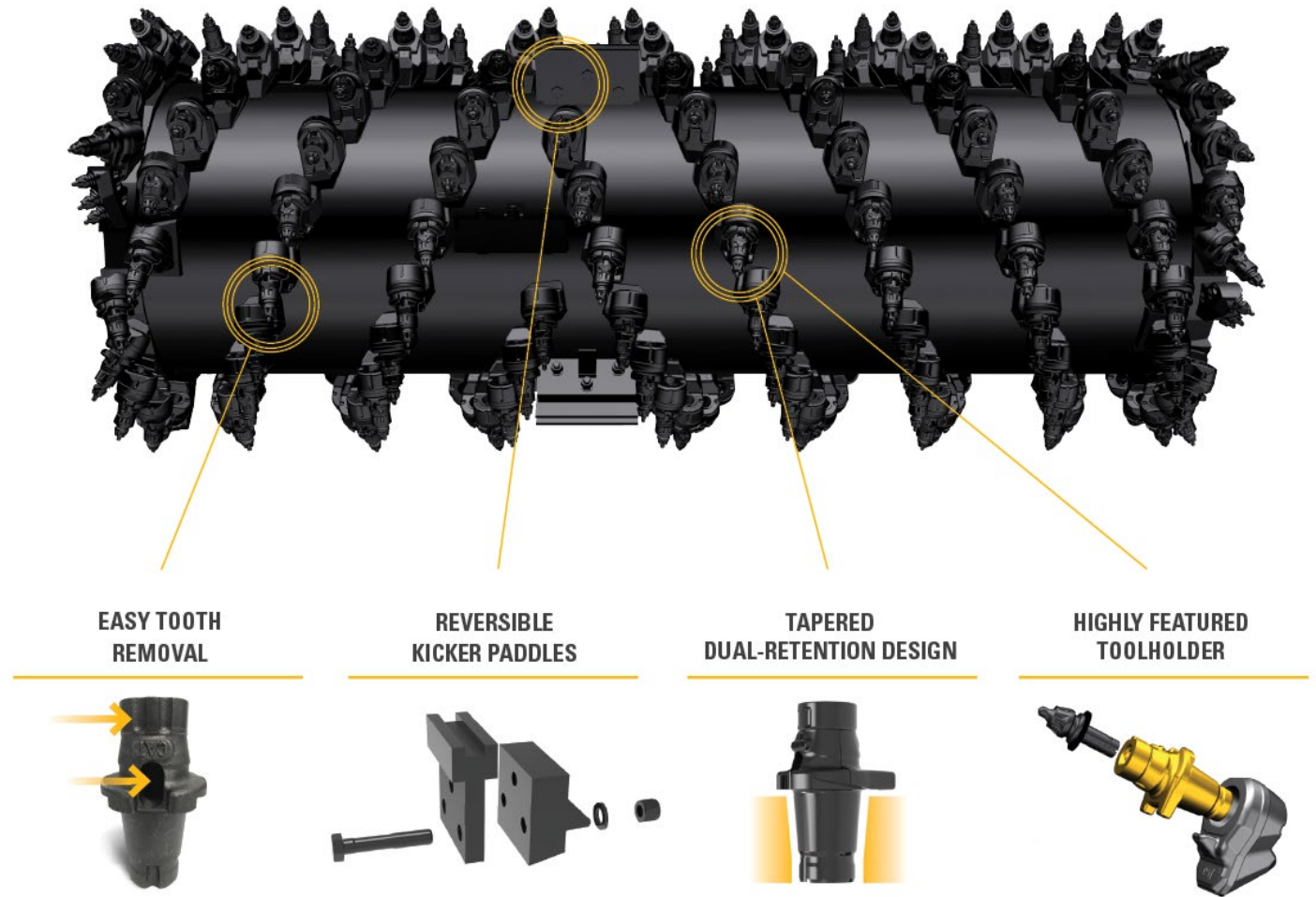
Rotor Systems

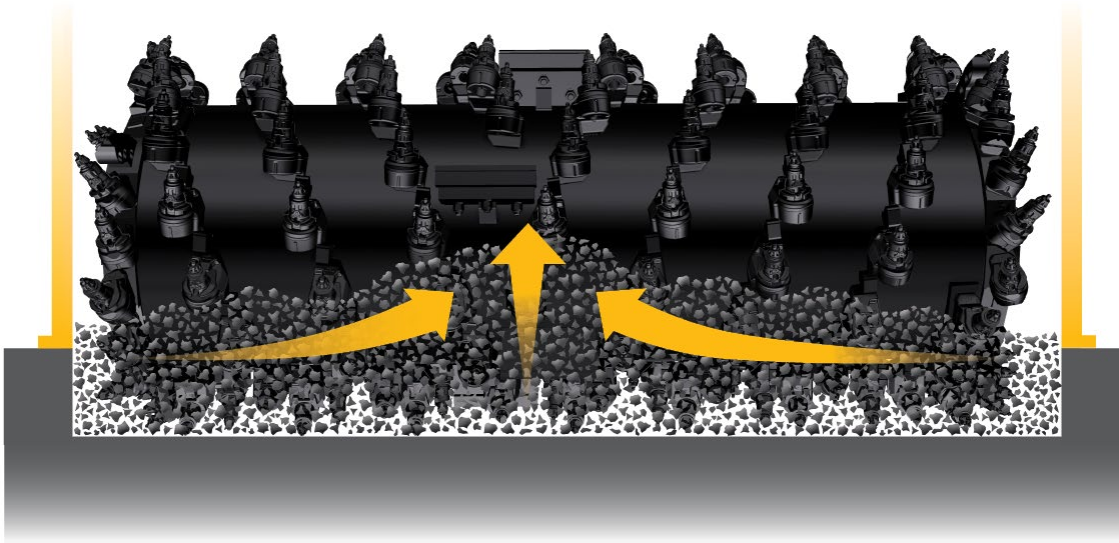
FOR MILLING



System K Rotors

- Primary rotor offering
- Leverages Caterpillar's expertise in Ground Engaging Tools
- Designed for efficient cutting and material removal
- Tapered dual-retention toolholder design reduces replacement time by up to 50%
- Reversible kicker paddles increase wear life





- Optimized spiral angle increases speed of material flow from the outside to the center
- Kicker paddles are dimensioned and tested to ensure maximum ejection of material from the center of the cutting chamber to the conveyor
- Reduces component wear by quickly removing material from the cutting chamber
 - Reduces drag
 - Improves overall machine efficiency
 - Lowers fuel consumption



- Engineered to withstand the toughest applications and prolong component life
- Thicker left and right base blocks are reinforced and designed to create a uniform conveying spiral
- Larger toolholders with more surface area protect the blocks
- Optional toughened steel toolholder is available for extended life for abrasive or high impact applications



WATCH VIDEO: [YouTube](#) | [Channel 1](#)

LONGER WEAR COLLAR

20 mm wear collar is 66% longer than System G toolholders

LARGE SURFACE AREA

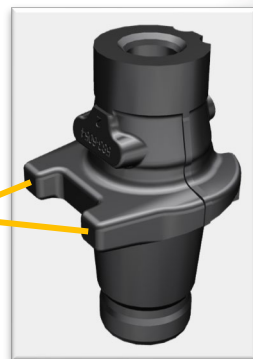
Large heat-treated surfaces on the toolholder protect the base block from undesired wear

EVEN BIT WEAR

Water can penetrate through the radial access hole to aid tooth rotation for uniform bit wear

ANTI-ROTATING TOOLHOLDER DESIGN

Ensures proper position for easier bit and toolholder removal. Prevents unwanted wear on the blocks and holders



MULTIPLE METHODS FOR EASY BIT REMOVAL

- Radial access hole
- Chisel points (when worn down)
- Rear access through the block

ACCOMMODATES LARGER SHANK SIZES

Toolholders are available to accommodate bits with 20 mm, 22 mm and 25 mm shank size bits for various applications

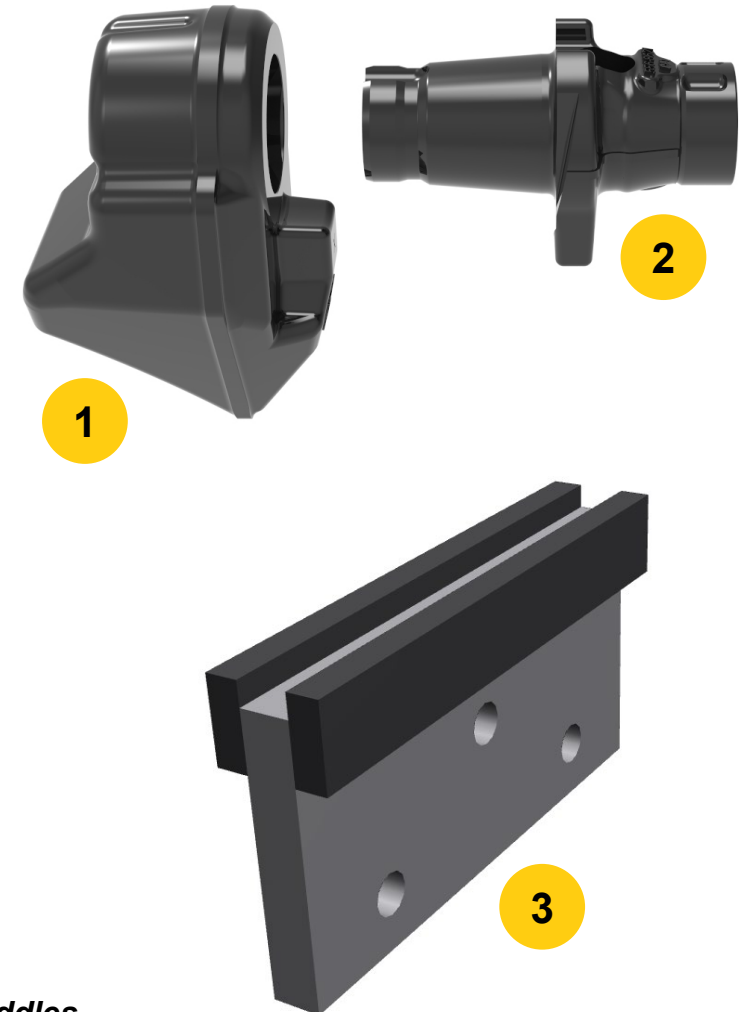
TAPER AND FRICTION RING DESIGN

Secures the toolholders to the rotor without retaining pins, bolts or setscrews to speed up replacement and eliminate the need for fasteners or torquing

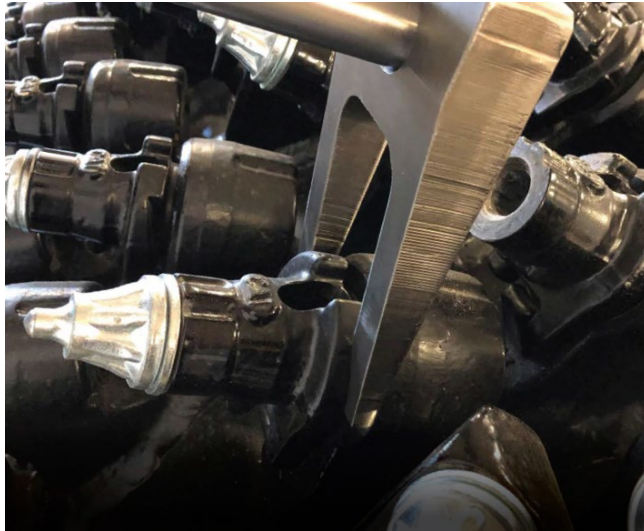


WATCH VIDEO: [YouTube](#) | [Channel 1](#)

- High strength system for high horsepower demands
- Components made of high strength alloyed material that is abrasion resistant
- Base block and flighting integrated for accurate manufacturing and lower cost rebuild
- System designed as left or right sided pieces
 - Design allows for optimized cutting effort and material flow
- Kicker paddle is reversible for extended life



1. *Base Block*
2. *Toolholder*
3. *Reversible Kicker Paddles*



- Dual-retention toolholders eliminate the need for fasteners, **reducing replacement time by up to 50%**
- No need for torquing bolts, pins or setscrews

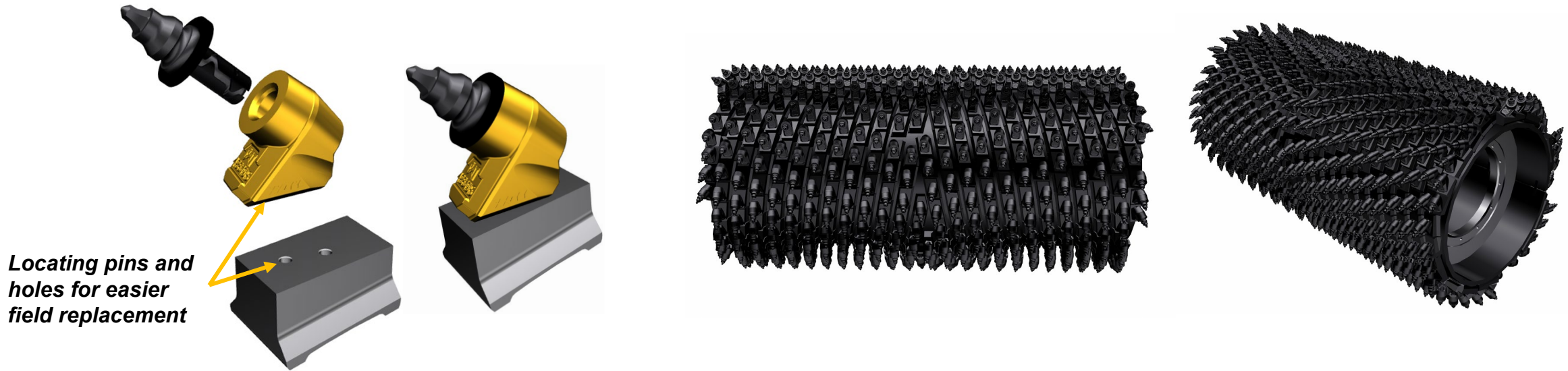


- Bit removal can be done through multiple methods
 - Access the back of tooth via large punch hole
 - Chisel from the depression on the collar
 - Use manual or mechanical tools



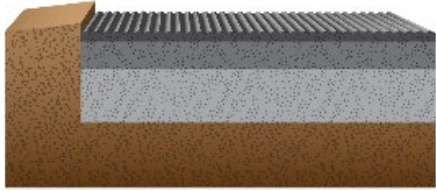
- A variety of removal tools specifically for System K rotors help you replace bits and toolholders quickly

System H Rotors (6x2 mm Micro)



- Micro-mill spacing with twice as many bits hitting the ground
 - Provides finest milling pattern
 - Maintains a fine pattern when milling at twice the speed as a standard 6 mm rotor
- Toolholder located and welded to base block
 - Narrower toolholder along with bit lacing design facilitates efficient material flow
 - No special tooling required for replacement

Rotor Offering

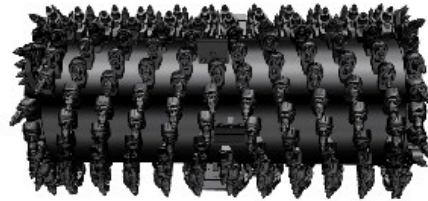
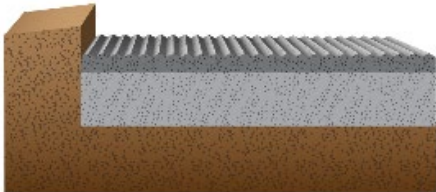


MICRO MILLING

Spacing: 6 mm (6x2 mm available in System H)

Application: Very fine milling finish to meet specific job specifications

Recommended Milling Depth: 0-51 mm (0-2 in)

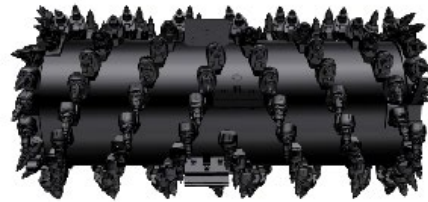


FINE MILLING

Spacing: 8 mm

Application: Fine milling finish for smooth surface removal

Recommended Milling Depth: 0-101 mm (0-4 in)



STANDARD MILLING

Spacing: 15 mm

Application: Surface removal or complete removal of road surfaces

Recommended Milling Depth: 0-330 mm (0-13 in)



COARSE MILLING

Spacing: 18 mm and 25 mm

Application: Surface removal or complete removal of road surface with rougher finish

Recommended Milling Depth: 0-330 mm (0-13 in)



WATCH VIDEO: [YouTube](#) | [Channel 1](#)

Rotor Offering

	Micro		Fine	Standard	Coarse	
	6 mm	6x2 mm (System H)	8 mm	15 mm	18 mm	25 mm
PM102				X		
PM200				X		
PM201				X		
PM310			X	X	X	
PM312			X	X	X	
PM313			X	X	X	
PM620	X	X	X	X	X	X
PM622	X	X	X	X	X	X
PM820	X	X	X	X	X	X
PM822	X	X	X	X	X	X
PM825	X		X	X	X	X

Carbide Milling Teeth

Additional toolholder and bit sizes available for specialty applications



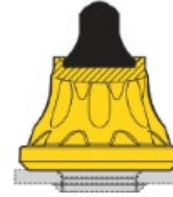
Application: Light Duty Milling (Skid Steer)

Material: Soft - Medium Asphalt

Shank Size: 20 mm

Puller Groove: Yes

Part Number: 561-8134



Application: Light / Medium Duty Milling

Material: Soft - Medium Asphalt

Shank Size: 20 mm

Puller Groove: No

Part Number: 578-4416



Application: Concrete Milling

Material: Concrete

Shank Size: 20 mm

Puller Groove: Yes

Part Number: 561-8132



Application: Medium / Heavy Duty Milling

Material: Medium - Hard Asphalt

Shank Size: 20 mm

Puller Groove: No

Part Number: 564-1260



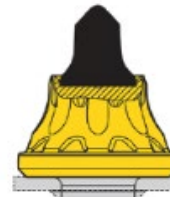
Application: Light / Medium Duty Milling

Material: Soft - Medium Asphalt

Shank Size: 20 mm

Puller Groove: Yes

Part Number: 560-2306



Application: Medium / Heavy Duty Milling

Material: Hard Asphalt

Shank Size: 20 mm

Puller Groove: No

Part Number: 561-8135



WATCH VIDEO: [YouTube](#) | [Channel 1](#)

Cat® Diamond Bits

- Longer life compared to typical carbide bits
 - Model 625 lasts up to 80x longer
 - Model 540 lasts up to 40x longer
- Enable up to 15% faster milling speed, yielding higher production
- Reduce fuel consumption up to 15%
- Decrease vibration for the operator and machine
- Significantly reduce stops for bit maintenance
- Stay sharp for uniform profile throughout the bit life



WATCH VIDEO: [YouTube](#) | [Channel 1](#)



Cat® Diamond Bits

Rotor System	Standard Diamond	Extended Life Diamond	Install Tool	Removal Tool
Cat System G	491-1472	491-1503	Hydraulic Tool: 509-8707 Hand Tool: 504-5049	473-3836
Cat System K	522-7507	522-7508	Hydraulic Tool: 591-1346 Hand Tool: 473-3838	526-7661
Cat System J	460-7190	514-5225	473-3838	473-3835
Kennametal KPF-303	460-7189	473-3829	473-3838	473-3838
Keystone Intermediate Sized Bit	514-5246	514-5253	504-5047	504-5048
Sollami Quick Change Drum	460-7191	473-3833	473-3838	473-3837
Wirtgen HT11	460-7192	473-3831	N/A	N/A

Videos



[System K Videos on YouTube](#)



[System K Videos on Channel 1](#)

QESQ2243-01 (05/2021)

© 2021 Caterpillar All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment.

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

