ROTOR SYSTEMS
For Cold Planers
CAT® TOOL HOLDER SYSTEMS

SYSTEM G

SYSTEM J

SYSTEM H
MICRO-MILLING

SYSTEM K
SYSTEM G TOOL HOLDER

- Legacy design
- Known for excellent cutting pattern
- Three-piece system with roll pin back-up retention
- Tooth access hole also provides water ingress for increased tooth life
- Three-piece design provides break away point for protection from object impacts
- Thin flighting allows great movement of material
- System is not directional – components are placed in any location during repair
SYSTEM G ROTOR SPACINGS

Available on the following models:

- PM310
- PM312
- PM313
- PM620
- PM622
- PM820
- PM822
- PM825
- PM102
- PM200
- PM201
SYSTEM H TOOL HOLDER

• Exclusive to micro-mill spacing and future small milling rotors
• No tool holder; weld-on block and holder in single piece
• Provides good tooth retention when space around tooth is required (as in micro-mill rotors)
• Simple and proven – gets the job done
SYSTEM H ROTOR SPACINGS

6x2mm Spacing

Available on the following models:

- PM620
- PM822
- PM622
- PM200
- PM820
SYSTEM J TOOL HOLDER

• Alternative rotor for 2m and 2.2m milling machines
• Designed around diamond bit use
• Heavy duty base block and machined tool holder provides extra long life
• Can be configured with alternative skew angles for diamond bits on demand
• System J is a robust rotor that can be custom designed for specific applications or other OEM rotors
• Can be built to fit other OEM rotors
• System J will fit Sollami rotor as replacement
SYSTEM J ROTOR SPACINGS

15mm Spacing

Available on the following models:

- PM620
- PM622
- PM820

- PM822
- PM200
SYSTEM K TOOL HOLDER

• Primary Offering
• Easy tooth removal through multiple methods
  • Rear access of holder/block
  • Radial access hole
  • Chisel points (when worn down)
• Highly featured tool holder
  • Anti-rotating design ensures proper holder position
  • Tooth access hole allows water to aid tooth rotation
  • Holder can accommodate larger shank size if application warrants
• Dual retention (taper and friction ring—no bolts)
  • No need for retaining pins or torqueing
• Large front surface of tool holder protects base block from wear
Caterpillar: Confidential Green

- 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
- Block design accepts the direct force of cut
  - Provided maximum retention
  - Largest shank size in industry for strength
  - Reduces force vectors for more even wear
- Kicker paddle is reversible for extended life

SYSTEM K TOOL HOLDER
SYSTEM K TOOL HOLDER

• Dual retention system feature taper and friction ring
  • No need for torqueing bolts

• Largest shank size in industry (44mm)
  • Strong retaining contact area
  • Design for high horsepower machines
  • Break away zone to minimize impacts of shock on block and and welds

Tooth Removal Options
• Can access the back of tooth via large punch hole
• Can chisel from the depression on the collar
• Can use manual or mechanical tools
Greater Wear Resistance

- High strength alloys offer more resistance to abrasion
- Large front surface on holder protects the base block
- Anti-rotation cut out reduces bore wear and assures correct alignment
- Longer wear ring on the collar extends life of component
SYSTEM K ROTOR SPACINGS

Available on the following models:

- PM310  •  PM620  •  PM822
- PM312  •  PM622  •  PM825
- PM313  •  PM820
CAT DIAMOND BITS

• Asphalt milling applications
• Patented one-piece design
  • Replaces the need for a tool holder
• Non-rotating polycrystalline bit
  • Wear-resistant tip eliminates need to rotate and provides more uniform wear
  • Maintains the gauge length (height) throughout lifecycle

• Available to fit most rotor types:
  • Cat
  • Wirtgen HT11
  • Kennametal
  • Sollami
  • NovaPick
CAT DIAMOND BITS

- Proven fuel savings of up to 15%.
- Tools remain sharp, enabling faster milling speeds and increased productivity.
- Sharp tools create less vibration, increasing the life of planetaries, drive shafts, stub shafts, bearing and other parts and components.
- Track-pad life increase.
- Consistent pattern increases moldboard life.
- Increased engagement delivers a dramatically improved return on your mill investment and helps keep crew members productive, month after month.
- Provides you with a significant bidding advantage.

- Proven to last up to 80 times longer than carbide picks.
- Fits all major manufacturers’ drums.
- Reduced project durations, much faster contract completions.
- Requires no rotation, crucial because half of carbide failures result when tools fail to turn.
- Labor costs for pick changes virtually eliminated.
- Elimination of costly pick inventory, and the handling that goes with it.