



Road King™

Rotating Tungsten Carbide Picks
Pick Changing Tools



Divide and conquer
on the road!

The New Road King™ — Heavy Body

Rotating Tungsten Carbide Pick • 20mm (.76 in.) Shank

New **carbide picks** with enhanced body shape, retainer, and washer provide outstanding performance.

Body rib zone increases clearance as pick wears, decreasing drag on your drum.

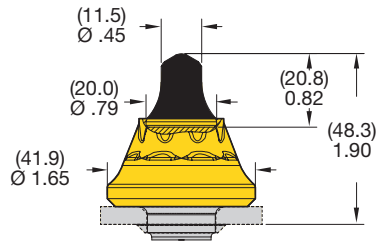
Full body shape and new washer provides extra wear protection and improves your total cost.

Retainer with bidirectional tabs offers you better consistency with rotation and retention.



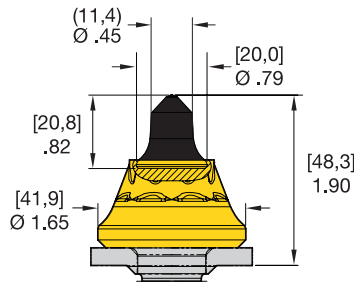


Heavy-Body Road King™ 20mm (.76 Inch) • RK52



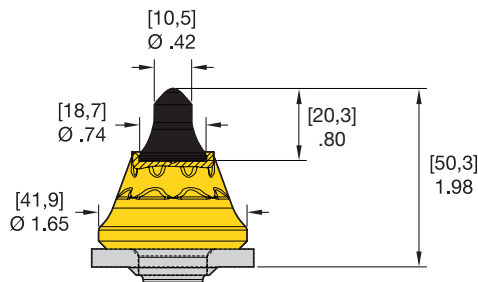
order number	catalog number	pieces per box	pieces per pallet
7102649	RK52	45	2700

Heavy-Body Road King 20mm (.76 Inch) • RK54



order number	catalog number	pieces per box	pieces per pallet
7036807	RK54	50	3000
7140572	RK54 45 BOX	45	2700

Heavy-Body Road King 20mm (.76 Inch) • RK42

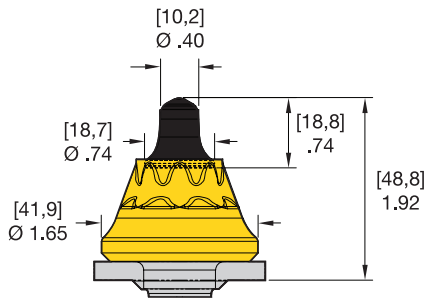


order number	catalog number	pieces per box	pieces per pallet
7049459	RK42	45	2700



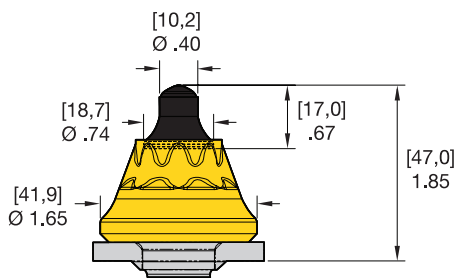
Dimensions shown in (millimeters) and inches.

Heavy-Body Road King™ 20mm (.76 Inch) • RK32



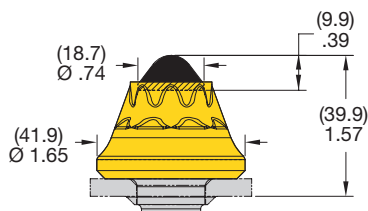
order number	catalog number	pieces per box	pieces per pallet
7036935	RK32	50	3000
7140484	RK32 45 BOX	45	2700

Heavy-Body Road King 20mm (.76 Inch) • RK31



order number	catalog number	pieces per box	pieces per pallet
7063167	RK31	50	3000
7140485	RK31 45 BOX	45	2700

Heavy-Body Road King 20mm (.76 Inch) • RK24



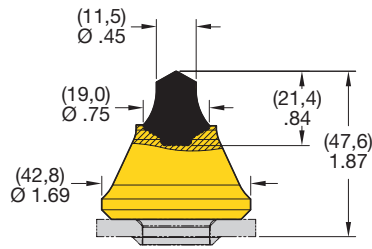
order number	catalog number	pieces per box	pieces per pallet
7118624	RK24	45	2700



Dimensions shown in (millimeters) and inches.

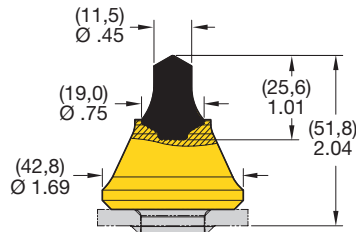


Heavy-Body Road King™ 20mm (.76 Inch) • RK41 A



order number	catalog number	pieces per box	pieces per pallet
7131118	RK41 A	45	2700

Heavy-Body Road King 20mm (.76 Inch) • RK51

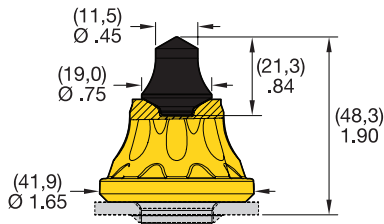


order number	catalog number	pieces per box	pieces per pallet
7131119	RK51	45	2700



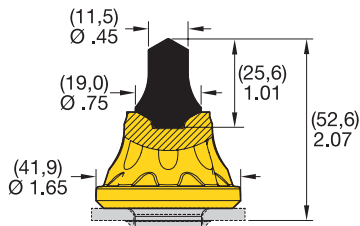
Dimensions shown in (millimeters) and inches.

Heavy-Body Road King™ 20mm (.76 Inch) • RK4-01



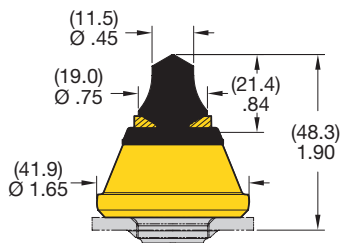
order number	catalog number	pieces per box	pieces per pallet
6080818	RK4-01	50	3000

Heavy-Body Road King 20mm (.76 Inch) • RK5-01



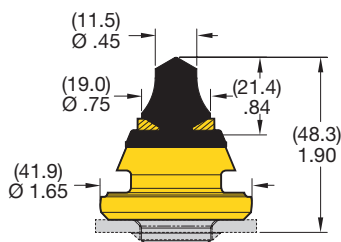
order number	catalog number	pieces per box	pieces per pallet
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Heavy-Body Road King 20mm (.76 Inch) • RC4-01 RING

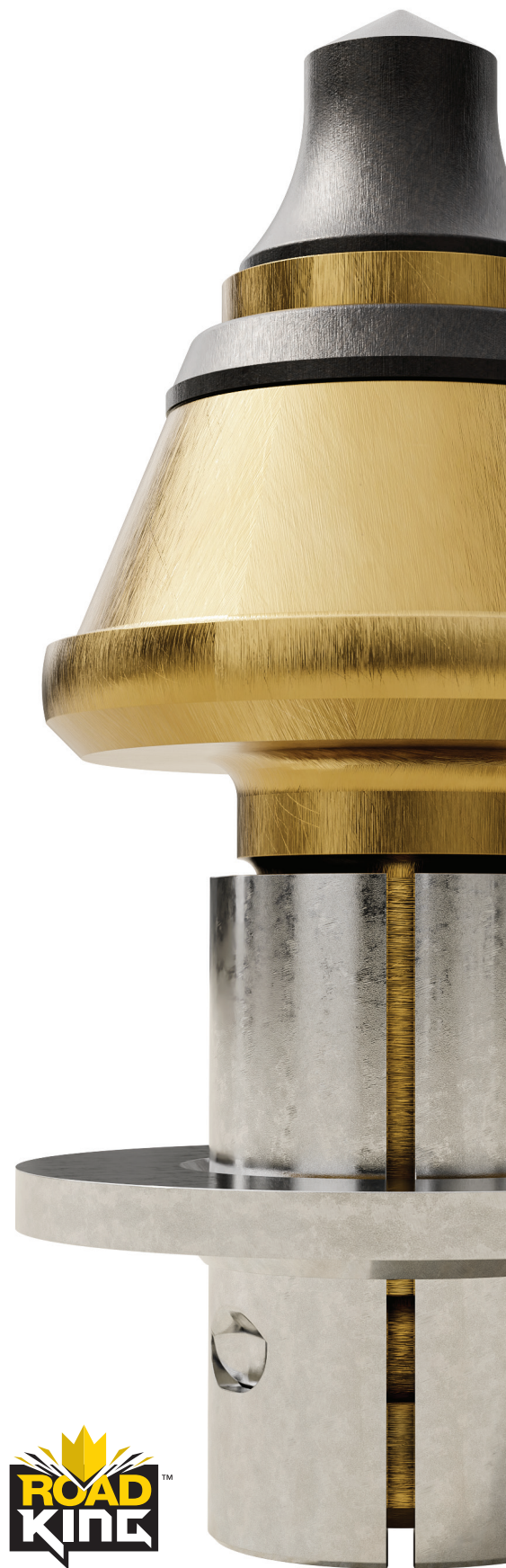


order number	catalog number	pieces per box	pieces per pallet
689982	RC4-01 RING	50	3000

Heavy-Body Road King 20mm (.76 Inch) • RC4-01P RING



order number	catalog number	pieces per box	pieces per pallet
6899668	RC4-01P RING	50	3000



Dimensions shown in (millimeters) and inches.

ROAD KING™

Road Rehabilitation Solutions

CASE STUDY

ORIGINAL ROAD KING, SMALLER WEAR PLATE, LESS HOLDER PROTECTION

NEW GENERATION OF ROAD KING MORE HOLDER PROTECTION

NEW DESIGN RETAINER OFFERS BETTER CONSISTENCY WITH RETENTION

NEW DESIGN BIGGER CARBIDE THAN RK5-04

BETTER DESIGN LESS DRAG ON POWER COMPARED TO RZ5-02

APPLICATION	PROBLEM	SOLUTION	RESULT	ADDED BENEFITS
ROAD REHABILITATION: Hard Asphalt Removal	WEAR OF CURRENT PICKS: Degrade Quickly toward End of Life	ROAD KING RK52 PICKS: Precision-Engineered for Durability and Cutting Strength	DECREASED WEAR AND TEAR: Longer Tool Life	SUPERIOR HOLDER PROTECTION AND EASY PENETRATION: Enhanced Road Milling Machine Performance

KENNAMETAL INNOVATION GIVES CLIENTS A CHOICE

A client operating a high-horsepower, half-lane road milling machine to remove asphalt was interested in comparing existing supplier's picks to Kennametal's Road King series. The client wanted to know how both sets of tools stacked up in terms of lifespan, body wear, carbide wear, and retainer and washer wear.

MEET THE ROAD KING RK52

Our RK52 road rehabilitation pick is precision-engineered for durability and cutting strength, combining superior holder protection and easy penetration to drive exceptional machine performance.

ROAD TEST CONDITIONS

The client decided on a split-drum comparison, with 100 RK52 tools placed on the right side and the incumbent supplier on left side of the 2.2m milling drum. The drum was of average mid-life condition, and its OEM holders showed significant yet consistent wear across the drum to still leave a nice pattern.

The test was conducted over two days in October 2023, with rain and wet surface conditions the entire time. Two inches of hard asphalt road surface were removed over a distance of 30,000 feet, with both sets of tools checked by the milling machine's operators at the middle and end of each work day.



Kennametal RK52 picks at job completion. Body shape creates extra clearance under the tip and extra slope for holder protection.

TOOL PERFORMANCE CONCLUSIONS

- Tool Lifespan — Both sets of tools performed similarly and were changed out at the same time towards the end of the second shift, but four non-Kennametal picks experienced premature breakage.
- Body Wear — RK52 tools showed desired hourglass shape indicating extra clearance and holder protection.
- Carbide Wear — As the picks began to work, the RK52 sharpened first and then both styles cut and wore in the expected shape. All picks were changed before completely losing their cutting point.

The machine operators preferred how the carbide tip in each RK52 pick resisted wear. And based on their experience, they believed RK52 could last even longer under different conditions!

The information contained in this case study is intended for comparative purposes only and is based upon limited test samples. The information is no guarantee of actual future results. The information is provided "as is" without warranty of any kind, whether expressed or implied.

GRIND OUT MORE WITH KENNAMETAL ROAD REHABILITATION TOOLS

Want these kind of results? Talk to our experts to learn how our Road King solutions can help you rule the road.

Wear Life Features



- Stage 1:** New tooth: New edges and rib features, full gauge length.
- Stage 2:** Good wear and cutting performance, nearly full gauge length.
- Stage 3:** Cutting performance is declining as carbide is blunt and gauge is shorter. Teeth could be changed or stretched depending on road surface quality requirements.
- Stage 4:** Carbide on tool offers block protection but no cutting performance. Teeth must be changed.

Informational Icon Guide
