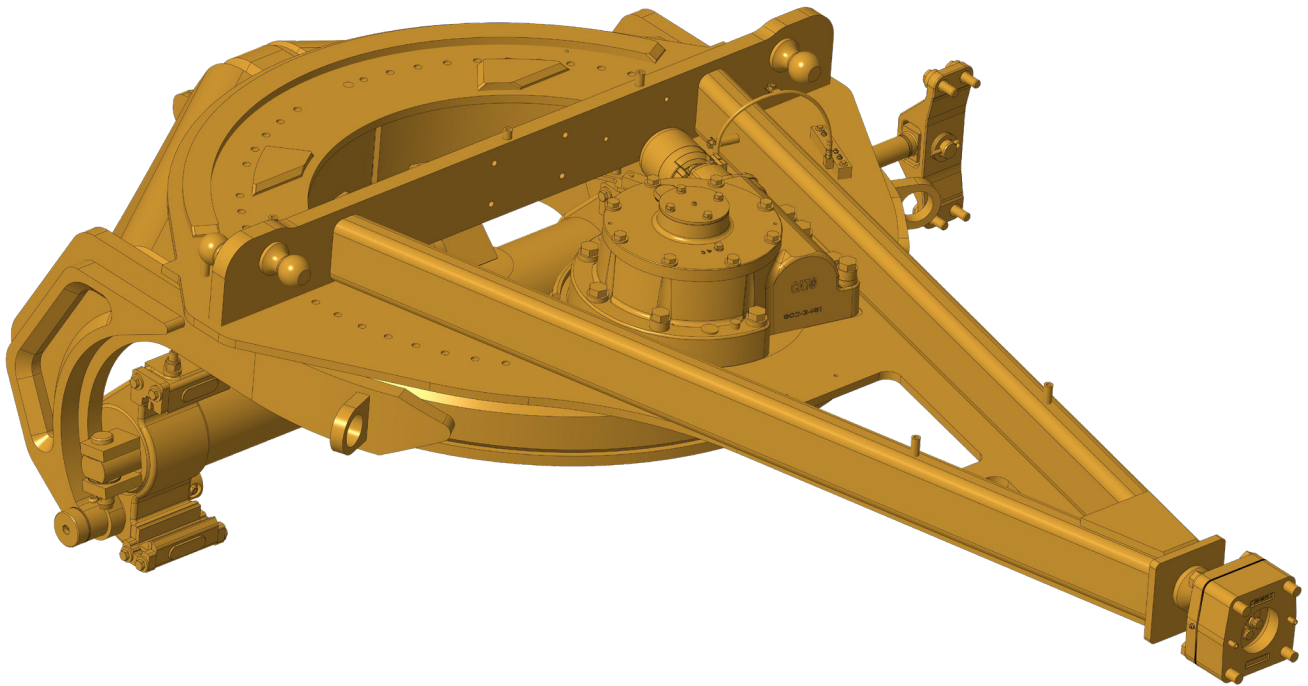


# High Performance Circle

## Introducing the High Performance Circle for Cat® Motor Graders

The High Performance Circle (HPC) improves machine performance, efficiency, and uptime through increased service intervals and longer life. Meeting grade elevation tolerance in road design efficiently is important to reduce rework on the job. With the HPC, operators have greater confidence in meeting grade elevation tolerance design due to reduced wear between circle and drawbar.



The HPC helps to eliminate hours of monthly planned maintenance for frequent inspection, wear strip replacement and circle shoe adjustments associated with conventional circles. Advantages include increased circle torque, performance, and improved durability. The HPC provides a smooth, effortless rotation of blade and assists in meeting road design elevation tolerance.

## Proven Design Now for Motor Graders

The heavy duty drive system design has been adopted from the Cat® Excavator swing drive and Cat® 14 Motor Grader worm drive. Fully-sealed bearing design replaces the open circle and drawbar reducing operator touchpoints and increasing service intervals and machine uptime.

## Increased Service Intervals with Easier Accessibility

- Wear life between circle and drawbar is significantly increased
- Reduced likelihood of excessive clearance between circle and drawbar surface
- Less frequent inspections
- Centrally-located grease bank provides quick and easy servicing
- Easily accessible ring gear for quicker inspection and maintenance
- Circle ring can be rotated for extended replacement intervals

## Reductions Provide Increased Output

- Lower owning and operating costs through increased service intervals
- Reduced machine downtime
- No more circle shoe adjustments
- No more adjustments or replacement of drawbar and circle wear strips

High Performance Circle Specifications	
<b>Circle</b>	
Diameter	1530 mm (60.2 in)
Height	139 mm (5.5 in)
Blade Beam Thickness	90 mm (3.5 in)
<b>Drawbar</b>	
Height	154.4 mm (6.0 in)
Thickness	12.7 mm (0.5 in)
<b>Circle Speed</b>	1.23 rpm

Contact your Cat dealer for more information on this powerful addition to your motor grader fleet.

For more complete information on Cat® products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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