

- Increased **safety** through consistent ground coverage and terrain mapping
- **Modular Design** minimizes down time for simple repairs and routine maintenance using COTS parts
- **Simplicity of design** reduces maintenance time and skill required, which lowers total cost of ownership
- **Quick assembly** and breakdown without skilled Field Service Reps optimizes logistics footprint
- Utilizes HRI common swing arm, which has undergone **seven generations** of design & testing
- Exceptional maneuverability on difficult terrain; ideal for **higher op-tempo missions**
- Auxiliary hydraulic steering available



Tunable Design

The Route Clearance Roller - Advanced from HRI is able to be tuned to target specific threats. This allows one roller to be used as a route clearance tool for any threat from light trigger IEDs to Anti-Tank mines

Contact

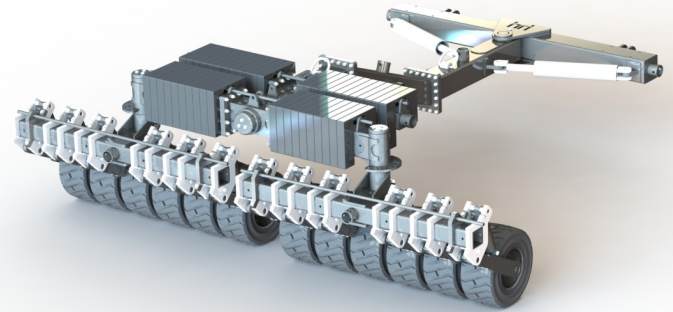
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Design

Each HRI roller is custom configured for specific user mission requirements, while simplifying maintenance and reducing costs.

The RCR-Advanced roller evolved from previous HRI efforts in the mine clearance field to increase accuracy of rollers through consistent ground coverage, even on highly degraded roads and off-road environments.

The RCR-A was designed as a route clearance and route verification roller to be used in combat engineering, force protection, and road clearance missions. The independently-rotating roller banks improve handling for vehicles that require higher-speed capability.



Performance

The RCR-A is built on years of extensive testing and experience in the explosive hazard industry. The Advanced roller uses the common swing arm design seen in many HRI products that has been thoroughly tested during explosive tests, endurance testing, and successful real world fielding.

HRI Rollers are custom-built for specific terrain, mission, threat, and host vehicle requirements, without excessive customization engineering required. Load cell laboratory tests are run to confirm the roller is meeting its objective ground pressure requirements.

Dimensions

- Length: 106 in (2.7 m)
- Height: 40 in (1 m)
- Overall Width: 128 in (3.25 m)
- Track Width: 122 in (3.1 m)
- 18 in (0.45 m) wheel diameter
- 8 in (0.2 m) wheel width
- 3000 lbs (1360 kgs) base configuration
- 2500 lbs (1170 kgs) additional optional ballast



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