

## **Specification: Rologard K2900vhd Modular Vehicle Security Barrier**

This document may be used as a written specification for the Rologard K2900 series portable/modular vehicle barrier, as a basis for a Request for Quotation, Invitation to Bid, Notice of Funding Opportunity and/or Request for Information. Please review the rologard website for product updates.

The barrier shall include a base structure with multiple wheels. The leading edge, ie, the edge of the barrier first impacted, shall be arranged to include at least one and as many as three wheels. The aft wheel arrangement shall be foldable, and include two wheels, from a horizontal-barrier raised-position to a barrier-lowered position by rotating such wheel arrangement without the need of tools, jacks, lever arms, or forklifts. The base structure shall be capable of being connected one base to another in an infinite linear fashion via tubular connecting bars. Said connecting bars shall allow spacing of the base units from, nominally, 61 cm/24" center to center down to 37 cm/15" via steel pin settings, without the use of tools. The base unit weight shall not exceed 25kgs/55lbs. The base unit shall be detachable from each and every other lateral base unit at any point along the linear placement of the barriers. The unit shall include a minimum of 10 square inches of reflective tapes. The base unit finish shall include hot dip galvanized and/or powder coating; the primary powder coating color shall be Federal Highway Administration Safety Orange.

The vertical component of the barrier shall be fully removable from the base unit without the use of tools, The vertical component shall not exceed 10kgs/22lbs. The vertical component shall allow for the connection of one barrier section to another via tubular connecting bars. The top most point of the vertical component shall include a removable and replaceable edge cover. The base unit and the vertical component shall be easily assembled by one person. The barrier system shall be movable in either a single section mode or in a multi section arrangement.

**Option:** A racking system shall be available to transport disassembled units. The racking system shall allow for 16 barrier units to be securely carried by the rack. The rack shall allow fixing to a flat trailer surface, supplied by Rologard or the customer. The racking system shall as an additional option be equipped with bolt on forklift pockets.