

## Commercial in Confidence Test Summary

### SWJ-TYRE KILLER D100

**Manufacturer:** Swaraj Securtech PVT LTD  
 Survey No.427 RajpurJullasan Rd  
 Ahmedabad 382705  
[Amitava@swarajsecutech.com](mailto:Amitava@swarajsecutech.com)

**MIRA Contact:** HSPI  
 Safety Development Dept  
 HORIBA-MIRA Ltd  
 Watling Street, Nuneaton  
 Warwickshire, CV10 0TU

**Test Ref:** W0002      **Test Date(s):** 10<sup>th</sup> January 2019

*This test was Not UKAS Accredited and is not included in the UKAS Accreditation Schedule for this laboratory. Opinions and interpretations expressed herein are outside the scope of HORIBA MIRA Ltd HSPI Test Centre UKAS Accreditation*

#### Test Item(s)

|                              |  |
|------------------------------|--|
| Item Reference               | SWJ-TK Tyre Killer Model No-D100           |
| Item description             | Steel spiked hydraulic raising tyre killer |
| Item Height (mm)             | 150 (spikes above ground)                  |
| Item Length (mm)             | 4310                                       |
| Foundation depth/Length (mm) | 350/4912.5                                 |
| Installation Date            | 20/12/2018                                 |
| Concrete                     | 34.7 N/mm <sup>2</sup>                     |
| Vehicle                      | Iveco Eurocargo FJ09 ABN                   |

#### Test Parameters

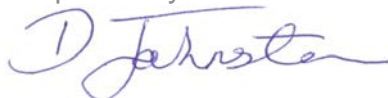
|                       | Driven Test Requirement | Measured Value |
|-----------------------|-------------------------|----------------|
| Test Vehicle          | N2A                     | N2A            |
| Test Mass (kg)        | 7200 ± 400              | 7240           |
| Impact Speed (km/h)   | 32.0 +3/-1              | 35*            |
| Impact Angle (deg)    | 90.0 ± 2.0              | Not Assessed   |
| Alignment             | Centerline              | Not Assessed   |
| Equipment orientation | 90° From closed         | 90°            |

\*Using Tacho calibrated speedometer

#### Test Results Summary

The Swaraj SWJ-Tyre Killer was tested at MIRA Ltd on 10<sup>th</sup> January 2019. The test was conducted at HORIBA-MIRA test location in the UK. The vehicle was driven at a speed of 35km/h over the installed system by a test engineer. The test was witnessed and filmed by HORIBA-MIRA. All tyres were punctured as intended and the vehicle brought to a controlled halt by the driver.

Prepared By:



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Approved By:



Rachael Kennedy  
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Date: 17<sup>th</sup> January 2019