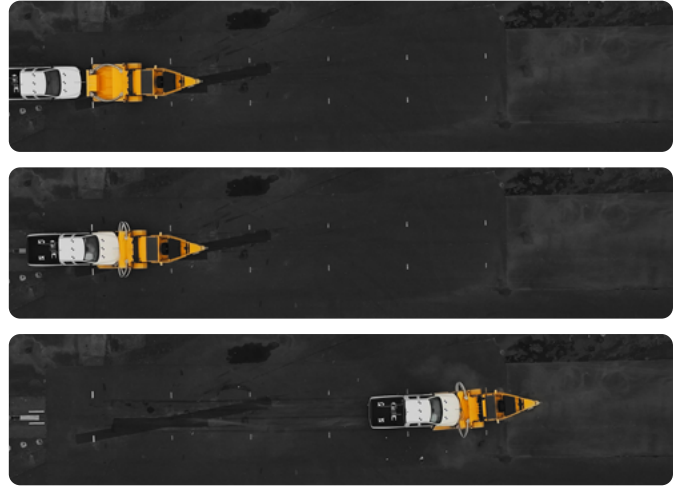




# M-A-S-H Test Results

[ MASH TL-3 · 100 km/h · 4 Tests Passed ]



## Testing Overview

Test Standard	MASH TL-3
Test Speed	100 km/h
Test Matrix	TMA test matrix (excluding support vehicle elements)*
Testing Facility	Crashlab, Sydney (Transport for NSW) — NATA Accreditation No. 2305
Testing Period	September 2024 – February 2025
Assessment	Austrroads ASBAP Crashworthiness Assessment, December 2025

## Test Results

Test	Impact	Vehicle	OIV (m/s)	RA (g)	Arresta Arrest Dist.	Arresta Lat. Mvt	Vehicle Arrest Dist.	Work Area	Result
3-50	Full Frontal	1,100kg Car	11.1	16.6	9.5m	Minimal	10.8m	Protected	Pass
3-51	Full Frontal	2,270kg Pickup	10.9	17.9	21.5m	0.5m	23.3m	Protected	Pass
3-52	Frontal Offset	2,270kg Pickup	11.1	16.8	23.9m	4.2m	25.6m	Protected	Pass
3-53	Angled Offset	2,270kg Pickup	9.4	13.3	13.9m	4.3m	Redirects away†	Protected	Pass
Limits	—	—	<12.2	<20.49	—	—	—	—	—

ASBAP Crashworthiness Assessment available for download at [protx.com.au/arresta-100](http://protx.com.au/arresta-100)

## Notes

OIV = Occupant Impact Velocity. MASH maximum limit: <12.2 m/s.

RA = Ridedown Acceleration. MASH maximum limit: <20.49g.

All occupant risk values within MASH maximum limits — all four tests pass.

Vehicle occupant compartment remained intact with no intrusion in all tests.

Work area (>40m from initial device position) protected in all test scenarios.

No damage to trailer main body in any test — sacrificial impact cassette only.

Lateral movement occurs during Phase 2 Arrest, after vehicle is already below 50 km/h.

Test 3-53 (Angled Offset): vehicle exits the arrestor and redirects away from the work zone — work area protected.

\*Free-standing unit — no support vehicle required. Test matrix approach confirmed by ASBAP prior to testing (August 2021).