



Static RunFlat System

Data Sheet

Three-segment antiballistic polymer RunFlat engineered for multi-piece demountable military wheels. Preserves controlled mobility after ballistic or terrain-related tire damage.



Three-segment Static RunFlat system with double locking wedge bolts and clamping plates.

Technical Specifications

System Type	Static RunFlat — three-segment antiballistic polymer
Wheel Compatibility	Multi-piece demountable military wheels
Material	Antiballistic polymer — does not perish, 10+ year service life
Weight Advantage	~15% lighter than comparable runflat alternatives
Installation	Hand tools only — no hydraulic press or specialist equipment
Beadlock	Patented shape provides strong beadlock in run-flat mode
Recyclability	Polymer material can be reclaimed and reused

Available Mobility Envelopes

Static 50 km

50 km on-road profile: 3 km at escape speed up to 90 km/h, 10 km at 50 km/h, 37 km at 25 km/h. Up to 2 hours off-road at 20 km/h in RunFlat mode.

Static 100 km

100 km on-road profile: 3 km at escape speed up to 90 km/h, 22 km at 50 km/h, 75 km at 25 km/h. Up to 2 hours

off-road at 30 km/h in RunFlat mode.

Key Advantages

01

Field Serviceable

Three modular sections fitted or removed without specialist RunFlat installation equipment.

03

Effective Beadlock

High bead compression prevents deflated tire rotation on the wheel during RunFlat operation.

05

Impact Absorbing

Engineered to absorb ballistic impact and severe off-road loading without brittle failure.

02

Lower Weight

Polymer design delivers approximately 15% weight savings vs comparable alternatives.

04

Long Service Life

Polymer material does not perish — designed for service life exceeding ten years.

06

Recyclable Material

Polymer material can be reclaimed and reused in manufacture of new products.

Spec a Static RunFlat for your platform.

Send your wheel drawing package, tire spec, and vehicle profile — we'll respond with a matched system and pricing.

The Toota Group LLC

865 Hwy 33, Suite 3, Freehold, NJ 07728

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thetootagroup.com · contact@tootagroup.com · (848) 444-1195