



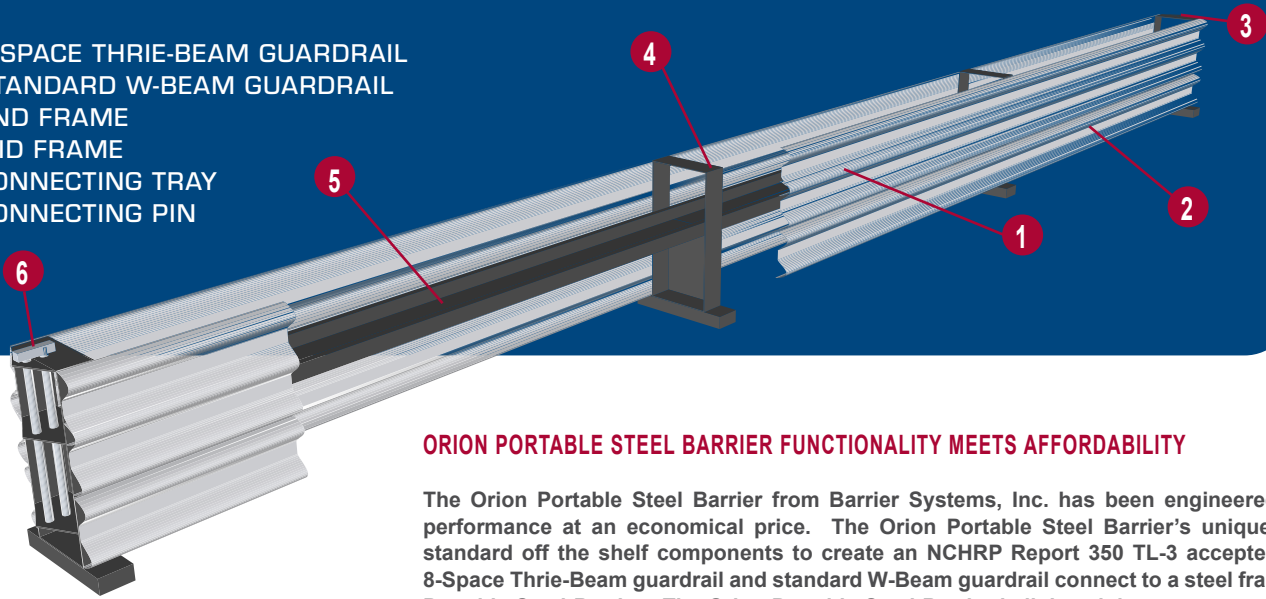
# Orion™ Portable Steel Barrier

- **Affordable NCHRP 350 TL-3 Accepted Portable Steel Barrier**
- **Easy to Assemble, Deploy and Remove**
- **Allows for a Curve Radius as low as 355m [1165 ft]**



# Orion™ Portable Steel Barrier

- 1 8-SPACE THRIE-BEAM GUARDRAIL
- 2 STANDARD W-BEAM GUARDRAIL
- 3 END FRAME
- 4. MID FRAME
- 5. CONNECTING TRAY
- 6. CONNECTING PIN



## FEATURES

- Inexpensive off-the-shelf-repair parts
- Only first and last Orion Modules need to be anchored\*
- Only 19" [477 mm] wide; ideal for narrow medians in construction zones
- Allows for a radius as low as 355m [1165 ft]
- 6' [1.84 m] NCHRP 350 TL-3 Deflection (2000 kg, 25 degree, 100 km/h)
- Low deflection, "fully pinned" option available
- Up to 1150' [350 m] can be deployed in one hour

## WHERE TO USE

- Bridge Decks
- Construction Zones
- Medians
- Side of Road



The Orion Portable Steel Barrier has been engineered to utilize standard guardrail. Modules are simple to assemble and easy to repair.

General details for the Orion Portable Steel Barrier are subject to change without notice to reflect improvements and upgrades. Additional information is available from Barrier Systems, Inc.

## ORION PORTABLE STEEL BARRIER FUNCTIONALITY MEETS AFFORDABILITY

The Orion Portable Steel Barrier from Barrier Systems, Inc. has been engineered to provide superior performance at an economical price. The Orion Portable Steel Barrier's unique design incorporates standard off the shelf components to create an NCHRP Report 350 TL-3 accepted longitudinal barrier. 8-Space Thrie-Beam guardrail and standard W-Beam guardrail connect to a steel frame to create the Orion Portable Steel Barrier. The Orion Portable Steel Barrier is lightweight, easy to transport, easy to deploy and easy to repair. Over 1150' [350 m] of Orion Portable Steel Barrier can be deployed in one hour.

## PHYSICAL SPECIFICATIONS

Module Length	11.7 m [38' 4"]
Width	477 mm [19"]
Height	883 mm [35"]
Module Weight	896 kg [1975 lb.]
TL-3 3-11 Permanent Deflection*	950 mm [37"]



## FREQUENTLY ASKED QUESTIONS

### IS THE ORION PORTABLE STEEL BARRIER AVAILABLE AS A KIT?

Yes, the Orion Portable Steel Barrier is available as a complete System or a contractor kit. A contractor kit includes the entire Orion support structure and connecting pin less guardrail and guardrail hardware.

### ARE END TREATMENTS AVAILABLE?

Yes most commercially available temporary crash cushions can be used to shield the Orion Portable Steel Barrier if end treatments are needed.

### HOW MANY ORION MODULES ARE NEEDED TO MAKE A NCHRP 350 TL-3 COMPLIANT SYSTEM?

The Orion Portable Steel Barrier System was tested using two Orion Modules to meet the NCHRP 350 TL-3 criteria.

### HOW MANY ORION MODULES WILL FIT ON A FLATBED TRUCK?

The Orion Modules have been specifically designed for easy transport. Fifteen Modules, 574' [175 m] can be loaded onto a standard flat bed and deployed in under half an hour by a two man crew.

## DISTRIBUTED BY:



**BARRIER SYSTEMS**

A LINDSAY TRANSPORTATION SOLUTIONS COMPANY

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\*950 mm Permanent deflection can be achieved by anchoring each section to create an Orion Minimal Deflection System. Standard deflection is 1850 mm when only the first and last sections are anchored.

[WWW.BARRIERSYSTEMSINC.COM](http://WWW.BARRIERSYSTEMSINC.COM)