

# QUEST™ CEN SYSTEM

Exceptional performance at 110 km/h, 100 km/h and 80 km/h



## OVERVIEW

The Quest CEN system has been successfully tested using EN 1317-3 criteria for 110 km/h, 100 km/h and 80 km/h levels.

Consisting of a series of W-beam fender panels supported by diaphragms, the Quest features an innovative integrated front trigger mechanism. During impacts, this mechanism releases the support frame assembly to absorb the energy of the impact. The system is designed to telescope rearward during head-on impacts to absorb the energy of impact and to redirect vehicles during side angle impacts.

The Quest CEN system is ideal for a wide range of applications.

- ▶ Redirective, bi-directional system
- ▶ Compact and lightweight design
- ▶ Free-standing backup
- ▶ Can be installed in concrete, asphalt or soil
- ▶ Only 30 anchors for quick and easy installation

## FAST AND EASY INSTALLATION

The Quest CEN system is designed for fast and easy installation. The free-standing backup is only 610mm wide and the system can be lifted, transported and dropped into place, fully assembled. Only 30 anchors are required for installation.

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## TRANSITION OPTIONS

Several transition panels are available for the Quest CEN system including:

- ▶ Transition to New Jersey Safety Barrier
- ▶ Transition to W-Beam
- ▶ Transition to Concrete Median Barrier

## ANCHOR OPTIONS

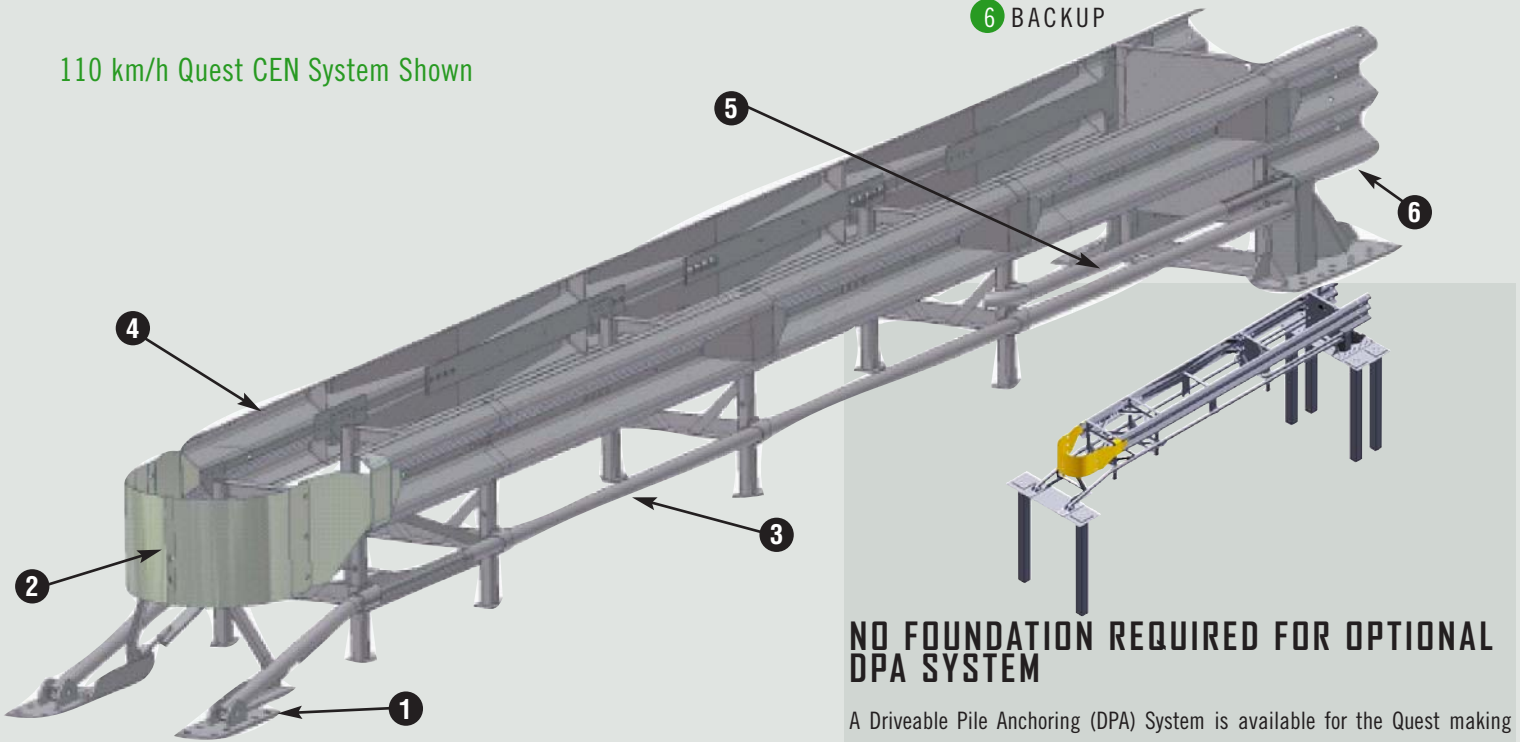
Several anchoring options are available for the Quest CEN system including:

- ▶ Concrete requires only 30 - 18 cm threaded rod anchors with MP3 resin grout.
- ▶ Asphalt requires only 32 - 46 cm treaded rod anchors with MP3 resin grout.
- ▶ Soil or Asphalt requires only 6 (DPA) Drivable Pile anchors.

## SPECIFICATIONS

	80 km/h	100 km/h	110 km/h
Length	5.36 m	7.22 m	7.22 m
Width	610 mm	610 mm	610 mm
Weight	498 kg	634 kg	660 kg
Anchors	30	30	30

110 km/h Quest CEN System Shown



- 1 FRONT ANCHOR
- 2 NOSE
- 3 SHAPER RAIL
- 4 SUPPORT FRAME
- 5 REAR SHAPER (110 km/h ONLY)
- 6 BACKUP

### NO FOUNDATION REQUIRED FOR OPTIONAL DPA SYSTEM

A Driveable Pile Anchoring (DPA) System is available for the Quest making installation in soil or asphalt simple. DPA Systems use standard driveable pile anchors that are easily installed using standard steel post guardrail machinery.

**Quixote**  
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WWW.QUIXTRANS.COM



**ENERGY ABSORPTION**  
SYSTEMS, INC.

Crown House, Crown Street • Ipswich, IP1 3HS • UK  
Tel: 44-1473-221105 • Fax: 44-1473-221106  
www.energyabsorption.com

SAVING LIVES BY DESIGN

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General specifications for the Quest CEN System are subject to change without notice to reflect improvements and upgrades. Additional information is available in the Product Manual for this system. Contact Energy Absorption Systems for details.