

Sentry™ Water Cable Barrier

NCHRP-350 Approved Temporary Crash Barrier



The Sentry™ Water Cable Barrier is an NCHRP 350 TL-3 certified work zone crash barrier that can be used as an alternative to concrete barriers in a construction work zone.

It has been designed with eleven (11) interlocking knuckles on each end so that multiple Sentry's™ can be linked together. The barriers are linked with a 30 mm diameter galvanized hollow steel T-Pin with a steel keeper pin at the bottom of each T-Pin.

Also molded into each Sentry™ are four 9.5mm diameter stranded steel cables that are galvanized for excellent corrosion resistance. The cables prevent the impacting vehicle from penetrating the barrier wall and into the work zone or on-coming traffic.

How it works

The Sentry™ Water-Cable Barrier softly absorbs the impacting vehicles energy progressively using water and the steel cables to capture the vehicle without redirection, avoiding a secondary incident. The end result is that the errant vehicle is prevented from entering the work zone, captured and not directed into traffic, safely controlled and stopped which increases the survival rate of occupants and workers.

Key Features

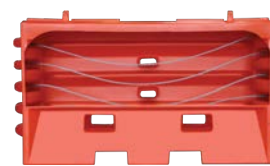


Stacking Lugs & Storage

Stacking lugs on the top and bottom makes storage and transport a breeze. Fork lift through holes and pallet jack slots make movement and placement quick and easy.

Anti-Climbing Ribs

Three longitudinal Saw Tooth Anti-Vehicle Climbing Ribs.



Integrated Steel Cables

Four integrally molded corrosion resistant steel cables prevent the impacting vehicle from breaching the Sentry™ Water-Cable Barrier.

The integrally molded steel cable and bushings allow for the creation of a free standing, continuous longitudinal water-cable barrier.



Interlocking Knuckle Design

Allows for positive connection between Sentry™ barriers while still maintaining up to a 15 degree rotation between sections.



Drain Plug

Tamper resistant drain plug with course buttress thread screws in or out in only 1.5 turns.



Fill Hole

203mm dia fill hole allows for quick filling.

Specifications

Weight:	Empty 73 kg or Filled: 907 kg
Capacity:	832 litres (of water to completely fill the barrier)
Dimensions:	Length 1930mm, Width 560mm, Height 1090mm
Material:	Polyethylene Plastic
Colours:	Orange or White

Testing Compliance

The Sentry™ has been tested and has passed all TL-2 and TL-3 light weight (820kg) and heavy (2,000kg) vehicle impacts at 70 and 100 kph

NCHRP 350:	TL-1, TL-2 & TL-3 Longitudinal Barrier
NCHRP 350:	TL1-1, TL-2 & TL-3 Longitudinal Device

Deflection Values: TL-2 (70 kph) = 1.80m, TL-3 (100 kph) = 2.74m