



Sentryline – M[®] Wire Rope Barrier System

The Sentryline – M Wire Rope Barrier system is a high-tension cable barrier and terminal end that has many advantages over other cable barrier systems currently available on the market.

FEATURES

- Tested to MASH (2016) TL-3 and TL-4 by Holmes Solutions
- Approved by Austroads Safety Barrier Assessment Panel (ASBAP)
- Accepted by Waka Kotahi for use on NZ state highways
- Exceptionally good vehicle control and behaviour
- Can be installed in median or roadside applications
- Easily installed, minimal maintenance required and quick to repair
- Features non-releasing terminal ends
- Alternative foundation design options available and designed in NZ

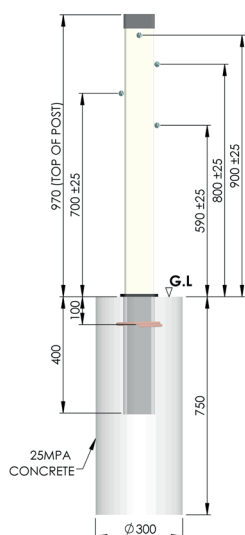
SPECIFICATIONS

- Cable – 19mm 3 x 7 strand, pre-stretched by 35%
- Cable heights (to the centre) as per the drawing
- Typical Line Post and Transition Line Post footing piles are 300mm diameter x 750mm (0.05m³)
- Length of Need is 5.5m downstream from the Ground Anchor
- Ground Anchor and Transition Line Post 1 are spaced at 2m
- Transition Line Post 1 and Transition Line Post 2 are spaced at 3m
- Transition Line Post has four modified Half Ties installed in the side slots in the upright position while Transition Line Post has three
- Tensioned to 25kN at 20°C
- Max flare, 300mm over 10m of the terminal end
- All posts are hot dip galvanised and white powder coated
- Concrete is 25MPa

CRASH TEST DEFLECTION RESULTS

Posts at 3m Centres

Test level	TL-3	TL-4
Dynamic deflection	3.02m	3.02m
Working width	3.02m	3.05m



ADVANTAGES

- When impacted by a vehicle, the Terminal End is designed such that the vehicle should remain on its wheels at all times without vaulting or rolling
- The Terminal End allows for a reduced rate of deceleration of the vehicle providing more control of the vehicle during the impact event and reduced danger to the vehicle occupants
- Sentryline – M posts will not trap cables when they have been bent during a vehicle impact
- After vehicle collisions the cables may be removed and re-attached individually (subject to site specific approval) without the need to disassemble other cables
- Cables can be installed in any order removing need for either interwoven or 'stacked' cable arrangements

POST OPTIONS

(Site specific acceptance from the RCA is required)

- Bolt Down Sentryline – M post option available
- Sentryline – M Driven Socket option available

