

# TTMA-200 Complete System Estonia

Rigid board · RA2 chevrons · LP 8+2 · RC2020 twin remote · Level 4

## TECHNICAL FEATURES

### DESCRIPTION

The NTS TTMA-200 is a trailer truck mounted attenuator for road works and mobile work zones. It couples to the towing vehicle's standard draw eye and delivers MASH 2016 TL-3 impact protection without a dedicated TMA vehicle. Impact energy is absorbed by a patented tube bursting system in which the deformed elements stay attached to the trailer. Complete system, ready for use.

### SCOPE OF DELIVERY

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| Trailer                  | TTMA-200, trailer lights, wheels, fenders, CoC certificate      |
| Coupling                 | Draw eye, hitch extension S                                     |
| Warning board frame      | Rigid, steel, arrow setting motor                               |
| Reflex panels            | Panel set Estonia, five-part RA2 chevron sheet 2,760 x 2,000 mm |
| Arrow sign               | Blue arrow sign 1,000 mm with setting motor                     |
| Light arrow control unit | NTS LP 8+2 with RC2020 twin remote                              |
| Lamp set                 | LP 8+2, 8x L8H Ø200 mm and 2x L9H Ø300 mm amber                 |

### LIGHT ARROW SYSTEM

|                |                                                     |
|----------------|-----------------------------------------------------|
| Firmware       | LP 8+2                                              |
| Lamps          | 8x L8H Ø200 mm, 2x L9H Ø300 mm                      |
| Lamp colour    | Amber                                               |
| Remote control | RC2020 twin radio remote                            |
| Board movement | Electric arrow setting motor, blue arrow sign motor |

### TECHNICAL SPECIFICATIONS

|                            |                                 |
|----------------------------|---------------------------------|
| Dimensions (W x H x L)     | 244 x 79 x 750 cm               |
| Weight, without board      | 720 kg                          |
| Axle rating                | 750 kg                          |
| Tyres                      | 185R14C at 350 kPa              |
| Draw eye height            | 50 to 80 cm                     |
| Hitch extensions           | S, M, L and XL, to 122 cm       |
| Tow coupling, min. D-value | 8.125 kN                        |
| Minimum support vehicle    | 4,536 kg GVW                    |
| Surface treatment          | Hot-dip galvanised, EN ISO 1461 |
| Electrical system          | 24 V                            |

### APPROVALS

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| Crash test standard              | AASHTO MASH 2016 Test Level 3                            |
| Tests passed                     | 3-50, 3-51, 3-52, 3-53 and 3-54, all at approx. 100 km/h |
| FHWA eligibility letter          | CC-152                                                   |
| Swedish Transport Administration | Trafikverket TRV 2020/78913                              |
| Registration                     | National requirement, quoted separately                  |

