

# TTMA-200 Trailer Poland + Folding Board

PL reflex panels · Prepared for LP 22+2 · Level 2

## 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. Supplied without the light arrow control unit and lamp set, which are ordered separately.

### SCOPE OF DELIVERY

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| Trailer                  | TTMA-200 Poland, air brakes rated 1,350 kg, set to 1,000 kg |
| Coupling                 | 40 mm draw eye, hitch extension XL universal                |
| Trailer equipment        | Fenders, trailer light set 24 V                             |
| Warning board frame      | Folding, electric lift LA36, arrow setting motor            |
| Reflex panels            | Panel set Poland, aluminium with reflex foil                |
| Light arrow control unit | Not included, ordered separately                            |
| Lamp set                 | Not included, ordered separately                            |

### LIGHT ARROW PREPARATION

|                             |                                                  |
|-----------------------------|--------------------------------------------------|
| Prepared for firmware       | LP 22+2 (Poland)                                 |
| Lamp positions on the board | 22x L8H Ø200 mm, 2x L9H Ø300 mm                  |
| Control unit                | Not included, ordered separately                 |
| Lamp set                    | Not included, ordered separately                 |
| Board movement              | Electric lift LA36, electric arrow setting 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                  |



The illustration shows a complete system. The light arrow control unit and the lamp set are not included in this configuration.