

CPA Crane Interest Group Steering Committee  
Meeting  
06.02.2004  
The Road Vehicles (Authorisation of Special  
Types)(General) Order 2003

Existing Regulations

The Road Vehicles ( Construction & Use) Regulations 1986.  
Motor Vehicles ( Authorisation of Special Types) General  
Order 1979.

The Road Vehicles (Authorisation of Special  
Types)(General) Order 2003

- Made 4th August 2003
- Came in to force on 25th August 2003.
- The New Plating Regulation come into effect on 1st December 2004

| <u>STGO Categories</u> |  |
|------------------------|--|
| Category A             | Total weight of up to 36,000kgs on 4 axles                                   |
| Category B             | Axle weight of up to 12,500kgs x N   |
| Category C             | Axle weight of up to 16,500kgs x N with a maximum gross weight of 150,000kgs |
|                        | N is the number of axles on the crane  |

|                            | <u>STGO Categories</u> |                      |         |
|----------------------------|------------------------|----------------------|---------|
| Speed Limits<br>Mph (Klms) | Motorway               | Dual-<br>Carriageway | Other   |
| Category A                 | 60 (96)                | 50 (80)              | 40 (65) |
| Category B                 | 50 (80)                | 45 (72)              | 40 (65) |
| Category C                 | 40 (65)                | 35 (56)              | 30 (48) |

| <u>STGO</u>                | <u>Categories for</u>  | <u>Engineering</u>     | <u>Plant</u>        |
|----------------------------|------------------------|------------------------|---------------------|
| <b>Engineer plant</b>      | <b>must not travel</b> | <b>faster than the</b> | <b>speeds below</b> |
| Speed Limits<br>Mph (Klms) | Motorway               | Any Other<br>Road      |                     |
|                            | 30 (48)                | 12 (20)                |                     |

|                             | <i>Engineering Plant</i> |           |
|-----------------------------|--------------------------|-----------|
| Tyre<br>16.00R25<br>20.5R25 | Axle Loads               | Speed MPH |
|                             | 17500 kg                 | 25        |
|                             | 18500 kg                 | 21        |
|                             | 19500 kg                 | 19        |
|                             | 20500 kg                 | 15        |
|                             | 21500 kg                 | 12        |

## Braking Stopping Distances

- *Manufacturers have confirmed that under the new STGO regulations all cranes conforming to the new axle loading and tyre speed category's will meet the braking stopping distances.*

## Chassis Maintenance

*Manufacturers will supply an addendum to the operators manual with specific emphasis on the requirements of increased maintenance as a consequence of increased axle loading.*

## Operation of Mobile Cranes on the Highways

- *All vehicles to be weighed in travelling order.  
Running ballast/hook blocks, folding jibs, nylon reaction mats, timber supports, lifting equipment, full tank of fuel etc.*

## Operation of Mobile Cranes on the Highways

- *Information should be supplied to the Crane Manufacturers.*
- *Manufactures to supply a plate to be displayed on the crane.*
- *Manufacturers to be contacted regarding cranes outside of specific categories.*

## Operation of Mobile Cranes on the Highways

*A plate will be produced showing the category that the crane has been classified under.*

*“This is to be securely fixed to the mobile crane in a conspicuous and readily accessible position”.*

## Tyre Standards

- *E.T.R.T.O. European Tyre and Rim Technical Organisation.*
- *T.R.A. Tyre and Rim Association.*
- *J.A.T.M..A Japan Automobile and Tyre Manufacturer Association.*

## Manufacturers Contacts

- *Terex-PPM: Norman Purves. Tel 01869 232443. Fax No 01869 232840*
- *Terex-Demag Ltd: Norman Purves. Tel 01869 232443. Fax No 01869 232840.*
- *Liebherr: Ed Hudson. Tel 01707 268161  
Fax 01707 261695*
- *Grove/Krupp/Coles: Dave Borsberry Tel 0191 5157241. Fax 0191 5157340*
  
- *Kato: Terry Marnock. Tel 01179 826661 Fax 01179 826661*
- *Tadano/Faun: Joe Lyon. Tel 01226 731500  
Fax 01226 731900.*
- *Kobelco: Kevin Townsend. Tel 01342 301122  
Fax 01342 326987.*
- *Jones: David Glover. Tel 01746 712433  
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