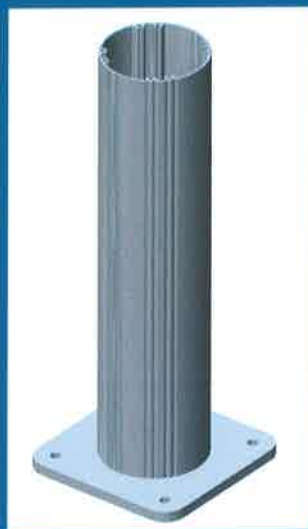


# DECLARATION OF PERFORMANCE

## Optimast 244

PASSIVE SAFE MAST  
NO. 001-244-2015.01.22



SignPost SOLUTIONS LTD

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# Declaration of Performance

No. 001-244-2015.01.22

OPTIMAST 244 passive safe mast Revision B

## Product name

Optimast 244

## Product specifications

The mast is delivered complete with cap and base plate

Tested and approved EN 12767:2007 100, NE, 3

Report and Test no.: 1033700-001 Rev2 L0057  
1033700-002 Rev2 L0058

Product no.: OPTI244X5500 Optimast 244°D X 5500 C/W fitted cap & base plate  
(Stock lengths) OPTI244X6500 Optimast 244°D X 6500 C/W fitted cap & base plate  
OPTI244X7500 Optimast 244°D X 7500 C/W fitted cap & base plate  
OPTI244X8000 Optimast 244°D X 8000 C/W fitted cap & base plate

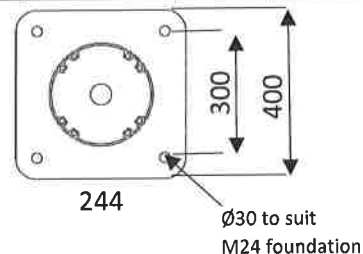
## Material / Surface treatment

Mast: Aluminium 6063 T66, class SP2  
Base plate: Steel S355J2+N, galvanized to ISO 1461  
Bolts: BUMAX 109 (A4 – 316 stainless steel)

## Data / Weight

Mast, Diameter [mm]	Mast, Length max [mm]	Mast, Length min, ground to bottom of sign* [mm]	Min C-C with 1,5m opening at 20° angle [mm]	Bolts base plate/ mast	Mast Weight [kg / m]	Base Plate Thickness [mm]	Base Plate Dimension [mm]	Base Plate Weight [kg]	Bolt patterns for foundation [mm]	Bolts base plate/ foundation
244	8000	1800	1856	M14	12,6	25	400 x 400	29,5	300x300	M24

\*) For an Optimast to be passive safe in accordance to EN 12767 the length from ground level to the bottom of the sign should be minimum 1800mm. The overall length depends on the sign chosen.



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OPTIMAST 244 passive safe mast Revision B

## Capacity

Bending Capacity** $M_{bmax} (M_u)$	Torsion Capacity** $M_{tmax} (T_u)$	Bending Stiffness EI	Torsion Stiffness GI
60,00 kNm	22,80 kNm	1285 kNm <sup>2</sup>	353 kNm <sup>2</sup>

\*\*\*) The moments do not take into account the partial material factor ( $\gamma_m$ ). EN 12899-1 gives a  $\gamma_m$  for aluminium of 1,15

## Maintenance

No maintenance required.

## CE marking and system of assessment and verification of constancy of performance

CE marked according to EN 12899-1:2007

Notified body no. 0086

See attached certificate


System of assessment and verification of constancy of performance:  
System 1

CE marking is approved and valid for minimum 1800mm from ground to bottom of sign to full length of 8000mm;  
see Section Data/Weight

The CE label gives all important information on data and capacity. Within the manufacturing process masts and base plates are marked for traceability.

## Referrals

EC Certificate of conformity No. 0086-CPR-572169

 <b>0086</b>
<b>SignPost Solutions</b> Unit 5, Clarendon Drive The Parkway, Tipton, DY4 0QA United Kingdom <a href="http://www.signfix.co.uk">www.signfix.co.uk</a>  13  001 - 244- 2015.01.22
<b>Optimast 244</b> EN 12899-1:2007 $M_b$ 60,0 kNm ( $M_u$ ) EI 1285 kNm <sup>2</sup> $M_t$ 22,8 kNm ( $T_u$ ) GI 353 kNm <sup>2</sup> EN12767:2007 100, NE, 3
<i>Declaration of Performance, DoP:</i> <a href="http://www.signfix.co.uk/optimast-dop">www.signfix.co.uk/optimast-dop</a>

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# Declaration of Performance

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OPTIMAST 244 passive safe mast Revision B

Approved by the manufacturer

For Optimast Installation Method please use link below:

<http://www.signfix.co.uk/wp-content/uploads/2014/08/Optimast-Installation-Method-Statement-Issued-August-2017.pdf>



Chris Nicklin  
Managing Director

03.11.2017

SignPost SOLUTIONS LTD  
Unit 5, Clarendon Drive, The Parkway  
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## Revision History

Revision	Reason for Revision	Date
A	Removed installation page & added link to Installation method.	22/09/17
B	Certificate of conformity no. changed	16/10/17

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