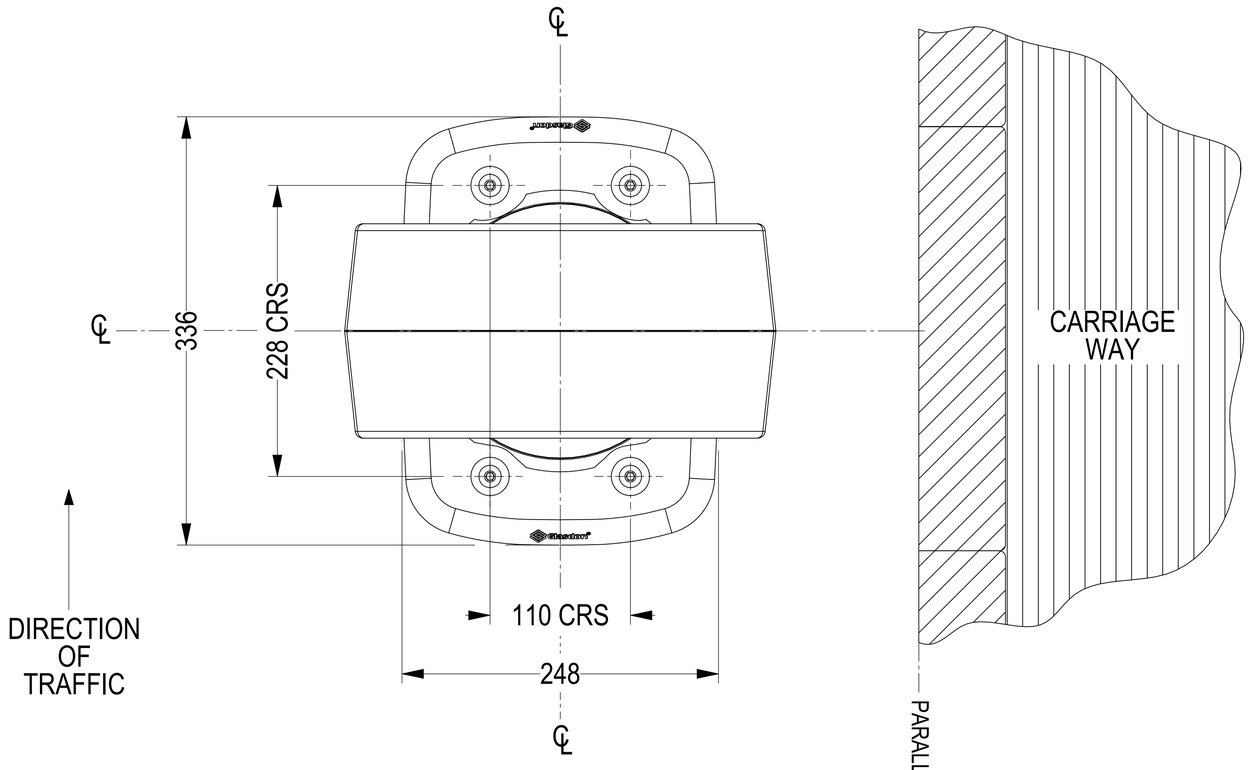
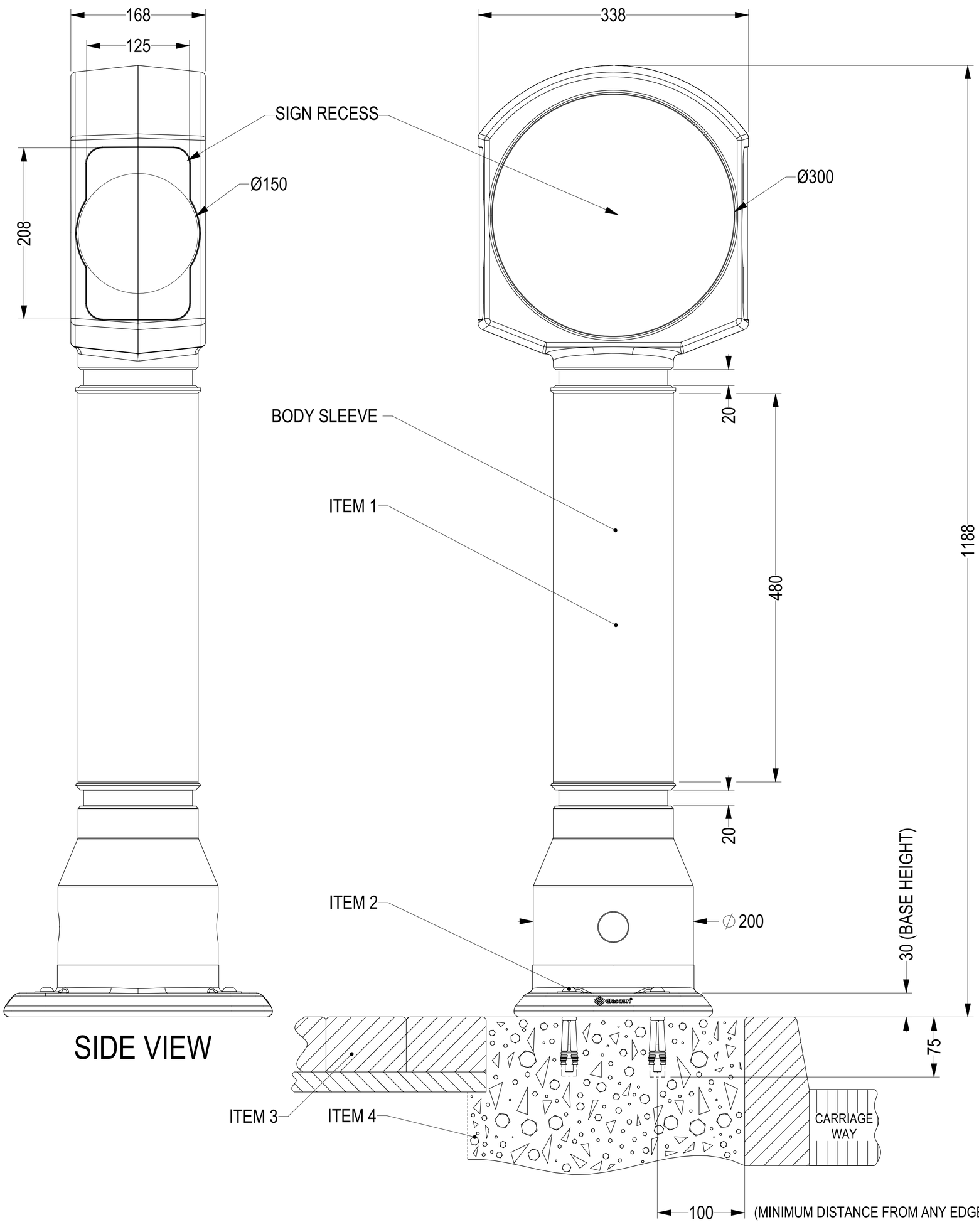
MODEL SPECIFICATION
ENSIGN™ BOLLARD - BOLT DOWN - DURAPOL®



PLAN VIEW



SIDE VIEW

FRONT VIEW

PRODUCT INFORMATION:

- WEIGHT - BOLLARD - 4.5 Kg
  - FIXINGS - 0.6 Kg
  - TOTAL - 5.1 Kg
- MATERIAL - BOLLARD: - DURAPOL®
  - FIXINGS: - SCREWS - STAINLESS STEEL
  - WASHERS - STAINLESS STEEL
  - SPACERS - RIGID PVC
  - ANCHORS - MS BZP
- COLOUR - BLACK, WHITE, AIRCRAFT GREY, STONE, DARK BLUE, MILLSTONE OR SANDSTONE
- DIMENSIONS - ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED

INSTALLATION GUIDE

- ITEM 1 - REMOVABLE BOLLARD
- ITEM 2 - GROUND FIXINGS (4 OFF):
  - M10 x 100mm SOCKET HEAD SCREW
  - M10 x Ø50 x 3mm WASHER
  - M10 x 60mm ANCHOR
  - M10 x Ø19 x 28mm SPACER
- ITEM 3 - BLOCK PAVING
- ITEM 4 - SOLID CONCRETE FOUNDATION
- TO ENSURE CORRECT ORIENTATION OF RETROREFLECTIVE BAND(S) THE FOOT OF THE BOLLARD SHOULD BE SITED PARALLEL TO THE CARRIAGE WAY AS SHOWN (SEE PLAN VIEW)
- ENSURE THAT THE RED RETROREFLECTOR FACES TOWARDS ONCOMING TRAFFIC OR YELLOW IF ON A CENTRAL RESERVATION.
- 4 HOLES TO BE DRILLED FOR GROUND FIXING ANCHORS AND SCREWS Ø16 x 75mm (MIN DEPTH). ENSURE THE HOLES ARE LOCATED AT LEAST 100mm FROM ANY EDGE OF THE CONCRETE FOUNDATION.
- THE BOLLARD IS AVAILABLE WITH CONCRETE-IN GROUND FIXINGS.
- AVOID CONTACT WITH HOT TARMACADAM AS THIS WILL SERIOUSLY IMPAIR THE PERFORMANCE OF THE BOLLARD.
- WE RECOMMEND INSTALLING THE BOLLARD ON AN EXISTING SOUND CONCRETE FOUNDATION, OR FOR SPEED, PREPARING THE SITE WITH QUICK SETTING CONCRETE (e.g. GRADE QC10).
  BUT EXACT INSTALLATION REQUIREMENTS SHOULD BE ASSESED FROM A SITE SURVEY

OPTIONAL PARTS:

- RETROREFLECTIVE AND NON-RETROREFLECTIVE SIGNFACES ARE AVAILABLE
- STANDARD SIGNFACES:
  2 x Ø300mm SIGNFACE
  2 x Ø150mm SIGNFACE
  2 x 208 x 125mm SIGNFACE
- ALUMINIUM BACKED RETROREFLECTIVE BANDING (TO BS EN 12899-1:2007, FIXED, VERTICAL ROAD TRAFFIC SIGNS) OR DECORATIVE BANDING MAY BE FITTED.
- STANDARD BANDING SETS:
  2 x 19mm BAND (WITHIN TWO BAND RECESSES)
  1 x 480mm BODY SLEEVE
- SPARES ARE AVAILABLE, WHICH INCLUDE:
  BOLLARD C/W FIXINGS & RETROREFLECTIVE BANDS
  BOLLARD ONLY
  RANGE OF BANDING
  FIXINGS
- ALL RETROREFLECTIVE MATERIALS SUPPLIED BY GLASDON ARE AS RECOMMENDED IN TABLE NA1 OF THE NATIONAL ANNEX OF BS EN 12899-1:2007 FIXED VERTICAL ROAD SIGNS.

Glasdon®
Glasdon group Ltd.

Website: www.glasdon.com
Email: sales@glasdon.com
Telephone: 01253 600 400
Facsimile: 01253 732558

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