

Description:

Steps are designed to provide safe access to underground manholes and man entry chambers. They are manufactured from virgin polypropylene copolymer plastic and reinforced with structural carbon steel. This provides high strength with excellent corrosion resistance. The steps are manufactured in high visibility colours with a slip resistant design.

There are several variants of the step offering a range of product styles as well as differing production methods used by customers. The advantages of castin steps are;

- › Can be use in both wet cast and dry cast manufacturing processes
- › Minimises time to fit step in high output environments
- › Reduces repetitive strain on operator compared to hammering steps in or drill and fix
- › Product is finished as soon as it is demoulded



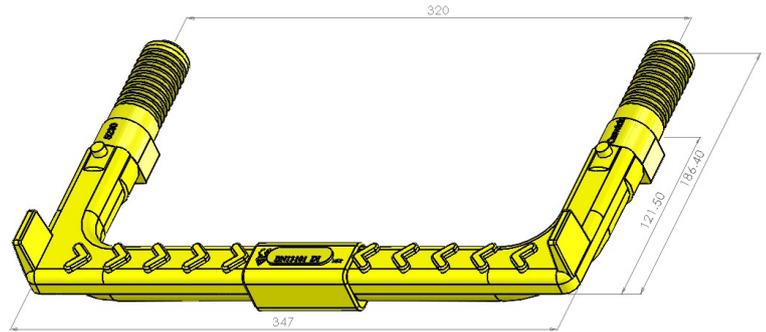
The process of dry cast concrete production involves pouring a dry concrete mixture into a mould to form the manhole and then removing the product from the mould immediately. The concrete mixture is dry enough to self-support until it cures. The mould is then reused to form a high output production cycle. Steps are held in the mould prior to the pouring of the concrete so that they are cast in place. Therefore no drilling, gluing or hammering is required to secure the steps. There are several factors which are important in this instance;

- › The design of the step must allow it to be stacked and pushed along the feed magazine which introduces it to the mould at the appropriate part of the cycle without interference.
- › The design of the step must prevent the concrete leaking into the centre of the mould during casting. Therefore the step and mould mechanism have to be matched to create a seal.
- › The step has to be designed not to foul the mould during the demoulding part of the cycle.
- › The step has to be light enough so that it does not fall out of the concrete before it has hardened and whilst it is moved around the facility in its uncured state.
- › The step has to be accurately formed such that it does not jam automated machinery.
- › The step has to be sufficiently durable such that the heavy duty machinery does not damage the step during production.

Caswick offers steps which meet these requirements and are compatible with your existing machinery, alternatively, if you are considering ordering new machinery, contact Caswick to discuss the methods of fitting the step before you order your machine.

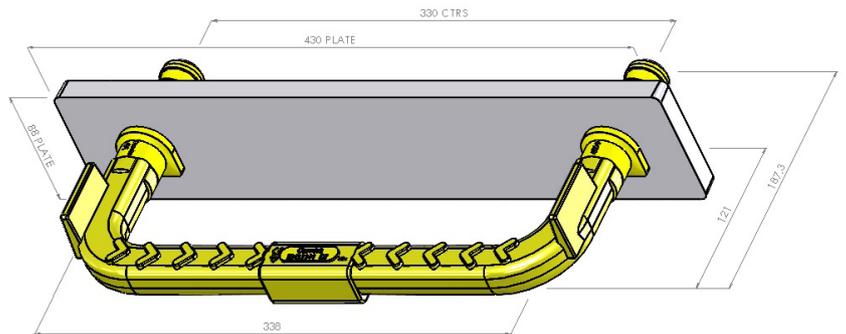
## SS245SYM

- › Square profile for magazine loading
- › Shut off for upwards opening letterbox
- › Stackable for magazine loading
- › Step with 320mm centres
- › 120mm projection
- › Boot stop
- › High grip tread
- › Compatible with caswick handhold
- › Kitemarked and CE marked to EN13101



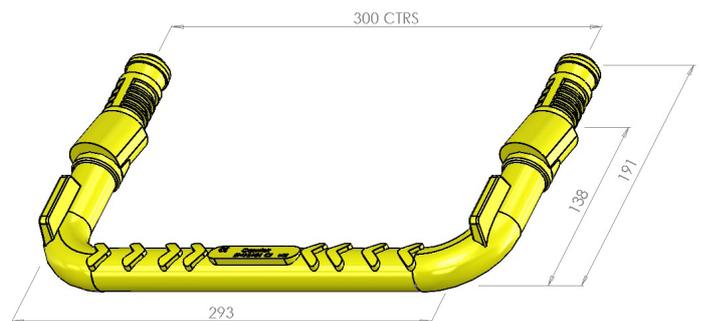
## S3330Y

- › Plate for door without closing letterbox
- › Step with 330mm centres
- › 120mm projection
- › Boot stop
- › High grip tread
- › Compatible with caswick handhold
- › Kitemarked and CE marked to EN13101



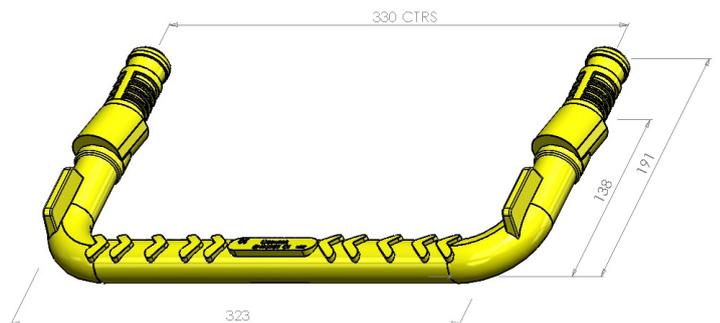
## S30E8Y

- › Step with 300mm centres
- › Shut off for downwards opening letterbox
- › 120mm projection
- › High grip tread
- › Compatible with caswick handhold
- › Kitemarked and CE marked to EN13101



## S33E8Y

- › Step with 330mm centres
- › Shut off for downwards opening letterbox
- › 120mm projection
- › High grip tread
- › Compatible with caswick handhold
- › Kitemarked and CE marked to EN13101



## SS216

- › Step with 252mm centres
- › Shut off for downwards opening letterbox
- › 120mm projection
- › High grip tread
- › Compatible with caswick handhold
- › Kitemarked and CE marked to EN13101

