

# Impact Resistant Fork

## 1. Prorunner mk5 (XL)

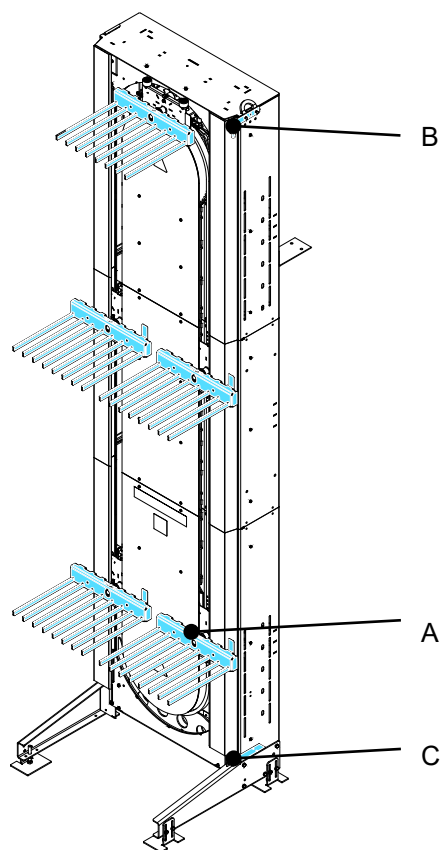
The Prorunner mk5 (XL) is equipped with multiple forks. The Impact Resistant Fork can optionally be applied to the Prorunner mk5 (XL) and is part of the machine. For more information on the installation instructions of the forks, please refer to the user manual of the Prorunner mk5 (XL). From here on, the Prorunner mk5 (XL) is referred to as the 'machine'.

## 2. Description

The function of the Impact Resistant Fork is to protect the machine from damage due to crashes caused by unintentionally leaving products on the in/outfeed conveyors.

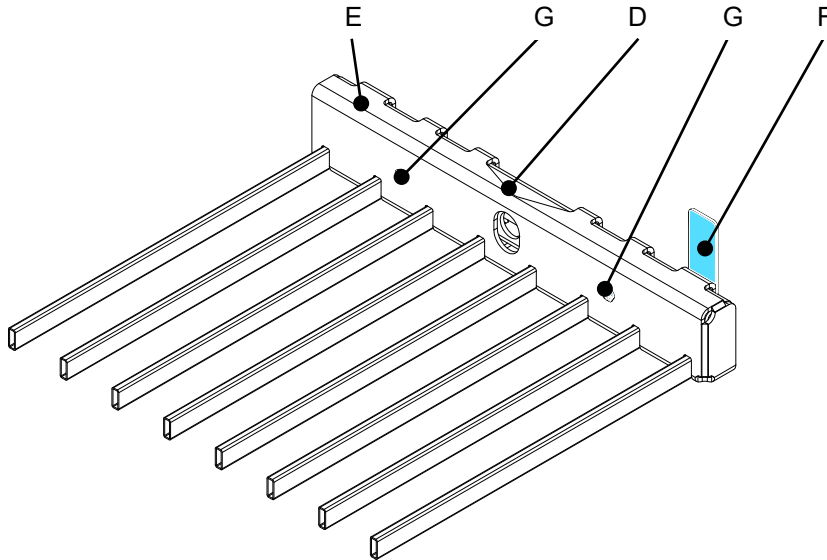
### 2.1 General overview

The Impact Resistant Fork is mounted on the carriers of the Prorunner mk5 (XL). The complete system consist of multiple forks (A), a photocell (B) and a reflector plate (C).



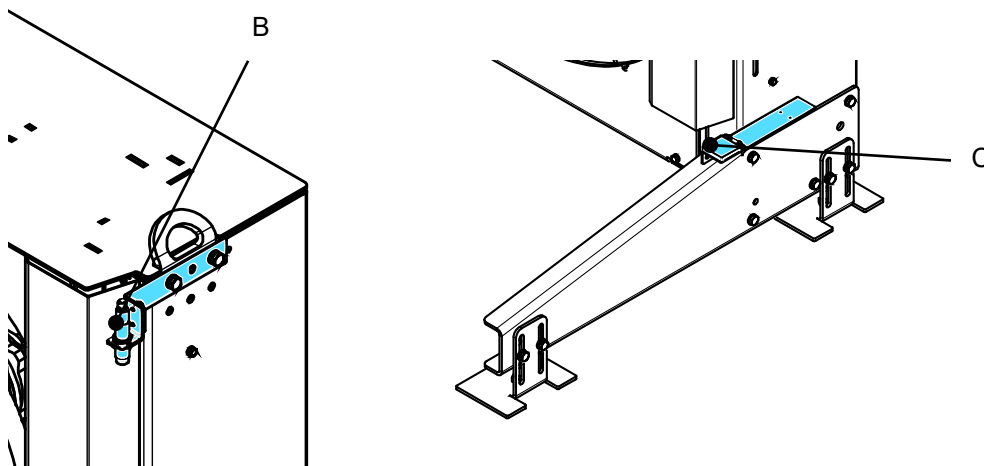
## 2.2 Impact Resistant Fork

The Impact Resistant Fork consist of several parts. A tube (D) is fixedly mounted on the carrier of the machine. On the fixed tube hangs the fork (E) which hinges around the tube. The Impact Resistant Fork is equipped with a detection vane (F) and two screws (G) to level the hinged part.



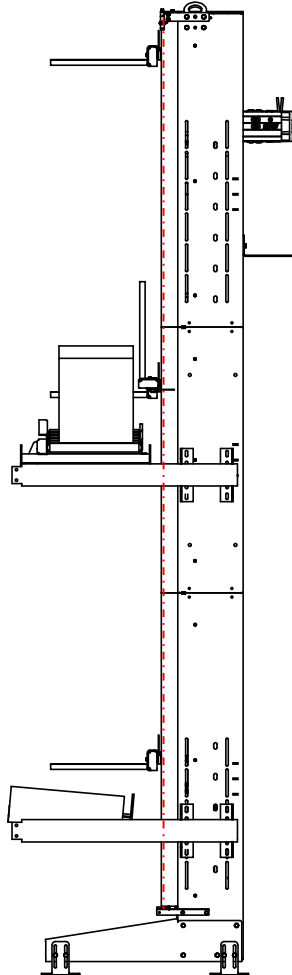
## 2.3 Sensors

A photocell (B) and reflector plate (C) detects whether the fork is still in the horizontal position. When the fork is rotated upwards and the photocell detection is interrupted, the machine must be switched off immediately.



## 2.4 Application

When a product remains on an in or outfeed conveyor, the fork will rotate up and interrupt the photocell. The machine must be switched off and further damage will be prevented.



## 3. Electrical drawings

The electrical drawings of the Prorunner mk5 (XL) in combination with the Impact Resistant Fork can be found in an external document. For the electrical drawings refer to “*Electrical drawings Prmk5 (XL) EN*” or when the Prorunner mk5 (XL) is used in a sorter system refer to “*Electrical drawings Prmk5 (XL) Sorter conveyors EN*”.