KGUARD TECHNICAL DATA SHEET **PRODUCT CODE : 000083**

DESCRIPTION :COUNTER-BALANCE WALKWAY FOOTPLATE

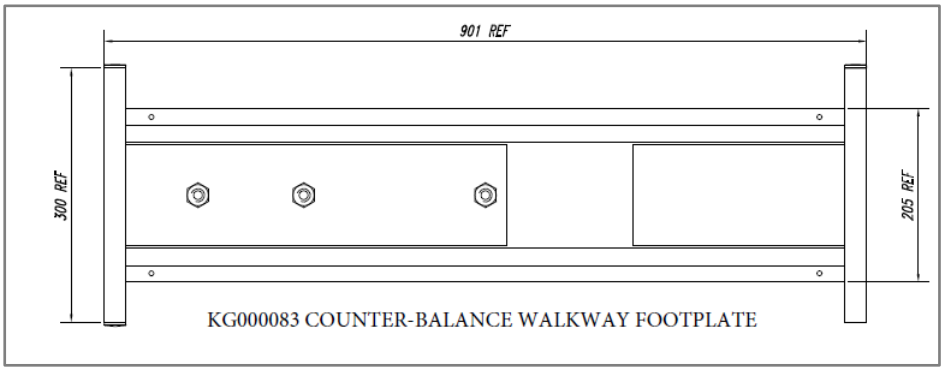
STANDARD : N/A SEE NOTE BELOW

This document must be used in accordance with KGuard's Best Practice Guide.
-Always plan your work and installation
-Always regularly inspect your system
-Do not mix edge protection components (Cross-contamination invalidates manufacturer testing and warranties, and renders the system potentially unsafe)

Product Specification

Length	900(+/-1)mm
Width	300mm
Standard Quantities:	42 Per KGuard Container
Stillage Dimension:	950mm x 950mm x 650mm
Surface finish:	Hot Dipped Galvanised
Weight : Single item	8kg
Weight : Storage Bin (42)	386kg
Compatibility:	Allows Barrier to be located in 1 of 3 pre-drilled positions

Product Dimensions



The KGUARD COUNTER-BALANCE WALKWAY FOOTPLATE IS DESIGNED AS A DEMARACTION SYSTEM

It should be understood that demarcation systems are not the same as edge protection systems. A demarcation systems only purpose is to provide a simple continuous physical barrier to stop access to an open edge or hazard, and to identify access routes. Its purpose is visual only and must never be relied upon to stop a person from physically falling. If any work is being undertaken behind the physical barrier installed, then it should be a compliant edge protection system and not a demarcation system.

Unlike temporary edge protection systems which are controlled by BS EN 13374: 2025, demarcation systems do not have any specific UK or European Standard. It is therefore essential that a suitably competent person who understands all the risks, undertakes a risk assessment of the design and suitability of any demarcation system to be installed.

The minimum distance required between a demarcation system and an open edge is at least 2m, as set out in Health and Safety Executive (HSE) publication HSG33 *Health and safety in roof work*, but this may need to be increased significantly depending on the roof pitch and other local environmental conditions.

If work is being carried out on a roof and there is a risk of a fall from either a person, tools, equipment or materials, an edge protection system that meets the requirements of BS EN 13374: 2025 should be installed. To further stress this, the HSE advises within its publication INDG284 *Working on roofs* that: "Demarcated areas should be:

- limited to areas from which nobody can fall; …
- subject to tight supervision to make sure that nobody strays outside them (demarcation areas are unacceptable if this standard is not achieved).".
  (HSE, 2008)

Demarcation systems are often incorrectly specified and installed in situations where it is not suitable, and does not provide adequate protection to operatives or the general public. In referring to demarcation systems, HSG33 also states: "*All barriers should be durable and immediately obvious to all. Bunting, tape or markings at foot level, such as a painted line, are not sufficient*".

Most variations of demarcation offer very limited protection from falling objects or none at all. Often, end users modify demarcation using toeboards or nets / mesh to provide a means of containment, but this is often unsuitable as it hasn't been verified by testing / calculation, can make the system very susceptible to wind loading and can give operatives false impression of it being a compliant edge protection system.

Wind loadings are often the reason for poorly designed demarcation systems being blown off a structure, and the likelihood of this happening can be greatly increased when toeboards or nets / mesh are retro-fitted without proper consideration. BS EN 13374:2025+A1: 2018 ensures that all compliant edge protection systems have taken adequate consideration of the wind and accidental loadings enacted upon them and are therefore the only suitable option for protecting operatives and the general public when work is being carried out on a roof.

Select KGuard fixing method for your intended use. (For clarification please see **KGuard Attachment Guide** or contact us for further information)

General

- Always tether your tools and edge protection products
- Always use KGuard approved products with each other
- No foreign material such as scaffold tube should be inserted into sockets or clamps as this will render the K-Lock system ineffective
- **Mixing of different systems could result in an unsafe solution and will not comply with BS:EN-13374. All KGuard components have batch traceability markings.**
- Always check product condition before use. If in doubt please contact KGuard for further advice.
- Do not use damaged or rusty components
- KGuard products are not tested or intended to withstand impacts outside of BS:EN-13374 such as vehicular impacts or control of the public.
- Always plan your works with regards to site hazards, layout, and product dimensions both when installing and dismantling
- Ensure a local site Risk Assessment and Method Statement is carried out before installation
- The addition of additional components for example, debris netting or advertising requires further assessment of the edge protection as a whole e.g. wind calculations.
- Please be aware that wind systems can adversely impact KGuard systems which should also be kept clear of ice and snow and consideration for slippery conditions.
- The KGuard system is not designed for anchorage of fall arrest safety devices.

Selection of Fixings

- Ensure that all fixings are verified as appropriate for the specific installation location and intended use.
- Factors such as the material type and thickness, distance from edges, embedment depth, and spacing between adjacent fixings can influence the overall performance and strength. Always consult the manufacturer's instructions for guidance and any applicable limitations.
- Installation dimensions and load-bearing capacities must be checked and confirmed by the fixing manufacturer for the particular application.
- If there is any uncertainty, professional or competent advice regarding suitable fixings should be obtained.

System Inspections

- All KGuard systems should be checked on a continuous weekly basis by a competent person to ensure the edge protection is "Fit for purpose".
- KGuard recommends the use of the KGuard Safety Inspection Tag to identify unauthorised access.
- Systems should be reinspected after a fall or a person or an object towards or into the edge protection system and its accessories. The system should only be re-used after having been inspected by a competent person.
- An example inspection record is featured below.

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Sample Inspection Record

Edge protection should be continuously inspected during use.

Checks and general visual inspection are to be carried out by trained operatives to ensure that the edge protection is "Fit for Purpose" on a weekly basis, paying attention to incidents or weather conditions.

General recommendations are available in the Best Practice Guide. If in doubt, contact KGUARD on (01296) 330 244

Equipment:

a) Check tightness of all fixings of the erected system previously in place.
b) Check for vehicle/machinery damage.
c) Check for vandalism damage.
d) Check for missing or removed parts.

"REMEMBER weather conditions can affect security when handling and affect tightness of bolts/clamps etc previously checked".

Weekly Record for inspection:

Week	Date	App.	Sign.	Note
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Checklist for inspection of installed KGUARD Edge Protection

Check structure and area of work for suitability	
Edge Protection Height is at least 1m from working surface?	
Are the post centres OK ? *(2.4m max for Guard Barriers)*	
Openings in Edge Protection (gaps between rails) max 470mm for class A, max 250mm for Class B?	
Are attachments properly anchored?	
Are posts properly connected to the attachment with the K-Lock system?	
Are the Guard barriers secured using the KGUARD anti-uplift latches?	
If the Edge protection is covered with sheeting material, has it been designed for wind loading?	
Are attachment bolts and nuts tightened correctly?	
Is there a suitable overlap beyond each post? *(Requirement : one mesh)*	
Are the corner correctly constructed with a maximum of 300mm beyond each post?	
There is NO cross contamination of other manufactures materials or equipment?	

Safe Storage

- KGuard is supplied in its own range of storage solutions which have been designed for the safe storage and transportation of the KGuard solutions. We recommend all KGuard products are stored in the relevant storage when not in use.
- KGuard components should be stored away from any areas whereby weather or corrosive substances can affect the components.
- KGuard recommends the use of the KGuard storage container cover where possible.

Classes of Edge Protection systems

Class	Type of load	
	Static load	Dynamic load
A	X	-
B	X	X
C	-	X

Please also note that openings between edge protections and other structures should be as small as possible, but no more than 120mm for the guardrails and 20mm for the toeboard.

Note : Wind load

600 N/m2 covers most wind conditions in Europe. More unfavourable conditions can occur. The peak wind velocity pressure is based upon 40 m height and an exposure period of 6 months and represents a peak wind velocity of approximately 31 m/s.

For any further advice please contact KGuard via telephone (01296 330244) or email info@kguard.co.uk.