

SafeDefence

Protection Systems KPSDoubleBarrier-H Product Data Sheet



Authorised
Distributor

Australian and New Zealand exclusive
distributor for Kingspan Protection Systems

www.safedefence.com.au

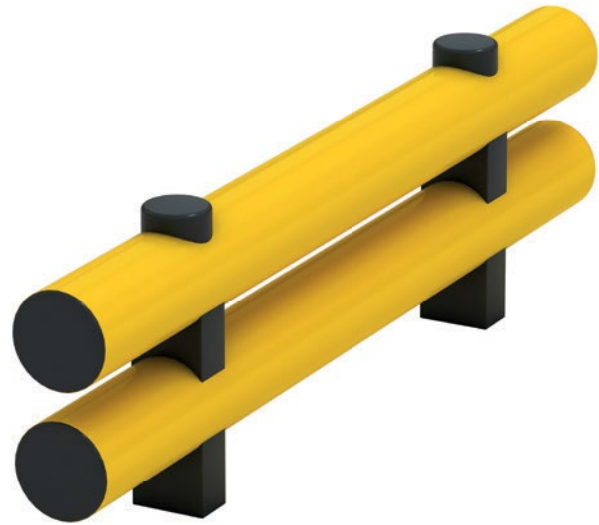
Product Data

KPSSDoubleBarrier-H is designed to offer protection to potential impacts that are up to 450mm high.

The combination of FLEXsafe™ technology and the unique threaded rod anchoring system provides the basis for safe protection.

KPSSDoubleBarrier-H is also available with the option of a 40mm reinforcement bar (KPSSDoubleBarrier-H Plus) to provide additional protection.

FLEXsafe™



Product Features

- Zero concrete damage upon impact
- 25 year life expectancy
- No exposed fixings shown
- Common single threaded rod anchor system used across all products
- Minimal maintenance once installed
- Easily removable threaded rod should it ever need to be replaced

Product Properties

Temperature Range	-40°C to +80°C
Chemical Resistance	High resistance to acids, alkali and solvents
UV Resistance	Tested to BS EN ISO 4892-2:2014
Food Contact	Tested to BS EN 1186-2:2002 and BS EN 1186-3:2002
Material Impact Strength	Without break – DIN EN ISO 179

Dimensions

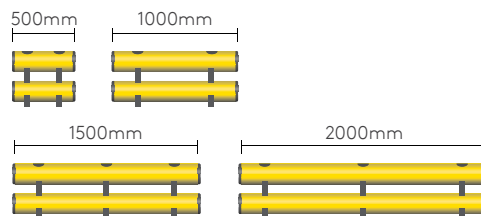
KPSSDoubleBarrier-H – Dimensions (mm)					Drilling (mm)		
Diameter	Length	No. of Bases	Height	Rod Ø	Hole Ø	Depth	
110	500	2	330	16	38	150	
110	1000	2	330	16	38	150	
110	1500	3	330	16	38	150	
110	2000	3	330	16	38	150	
110	500	2	450	16	38	150	
110	1000	2	450	16	38	150	
110	1500	3	450	16	38	150	
110	2000	3	450	16	38	150	

KPSSDoubleBarrier-H Plus – Dimensions (mm)					Drilling (mm)		
Diameter	Length	No. of Bases	Height	Rod Ø	Hole Ø	Depth	
170/40	500	2	450	16	38	150	
170/40	1000	2	450	16	38	150	
170/40	1500	3	450	16	38	150	
170/40	2000	3	450	16	38	150	

Standard Options



Other colours available on request.





Impact Load Testing

Kingspan endeavours to underpin performance with third party independent testing. The university of Engineering and Architecture of Zaragoza, Spain have carried out onerous static load testing on various Kingspan SafeDefence Protection. As well as static load testing, dynamic impact testing has also been carried out on our entire product range. This has been completed by an independently verified testing facility, TUV Nord, showing market leading impact resistance.

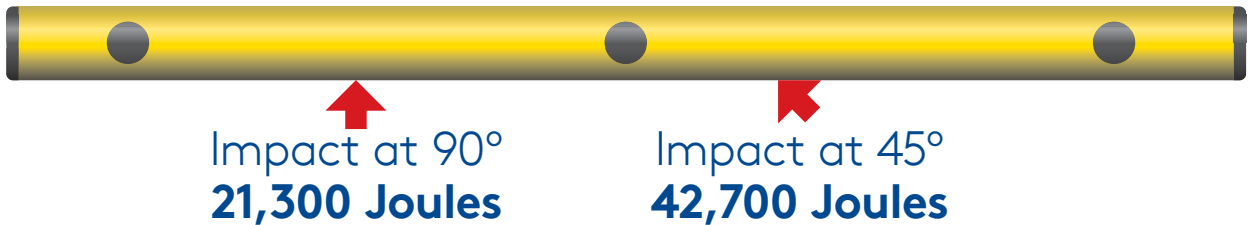
To calculate energy on impact, equivalent to the below:

$$\begin{array}{ccccc}
 \text{Forklift icon} & \times & \text{Speedometer icon} & = & \text{Forklift icon} \\
 \frac{1}{2} \text{ Mass (kg)} & & \text{Speed}^2 \text{ (km/h)} & & \text{Joules (J)}
 \end{array}$$

KPSSDoubleBarrier-H 110mm



KPSSDoubleBarrier-H 170mm



Technical Drawings



- Please scan the QR code to gain access to our Revit parts through BIM360.
- For 2D CAD files and layout requests please contact Technical Team.

Warranty



- KPS Product system covered by Kingspan Warranty.
- Covering for product material performance.
- For more Information please contact Technical team.

Environmental

- Minimum 40% recycled content and up to 60% in black colored components.
- All products 100% recyclable.
- Replacement and repair process designed for product reuse and minimal waste.

Contact Details



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For the product offering in other markets please contact your local sales representative or visit www.kingspanpanels.com

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