RESETTING THE BAR ON IMPACT SAFETY

IWS GROUP
the Industrial Workspace Specialists

IMPACT PROTECTION BARRIER RANGE

BRANDSAFE®

TESTED TO PAS 13
THE CODE OF PRACTICE FOR SAFETY BARRIERS
COMPLIANT WITH THE GLOBAL BENCHMARK IN BARRIER SAFETY

TÜV NORD
TÜV NORD Systems GmbH & Co. KG
Determination of the Product Type
Testing Criteria to determine essential Product Properties:
PAS 13: 2017 sec. 7/7.8

WHAT ARE WE DOING?

We have tested our Brandsafe® range of barriers and bollards to PAS 13

CERTIFIED BY TÜV NORD

WHO CLAIMS PAS13 COMPLIANCE?

IWS Group is the only company that has PAS 13 tested, and third party accredited barrier range, that is comparable to other manufacturers.

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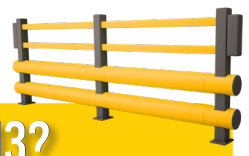
WHY ARE WE DOING IT?

Testing offers proof of the barriers' capabilities and performance. With third party accreditation, it gives customers peace of mind knowing that their safety measures are up to the task.



WHAT IS PAS13?

PAS13 is a code of practice to help advise on the types of barriers that are suitable for use within the workplace to segregate vehicles and pedestrians. It also includes guidance on how to test barriers to demonstrate their safety.

WHAT DOES THIS MEAN FOR CUSTOMERS?

With precision engineering and simplified test data, we help customers to buy the right solution for the right purpose – put simply, products that are not over-engineered or under-engineered.

SAFETY, SIMPLIFIED

By providing clear information on how our products perform against vehicles in real world situations, customers can choose the most suitable and cost-effective protection system for their risk assessment.

WHAT DOES OUR TESTING INVOLVE?

Hitting the barriers at the end posts and mid-rail with a weighted pendulum to test a) whether the barrier stops the impact without breaking,

b) how much the barrier deflects in order to calculate a 'safe zone' behind the barrier for installation purposes, and

c) how much impact force the barriers, and fasteners in concrete, can take in order to determine which barrier is best suited for which type of MHE.

PAS 13 TESTED AND TUV NORD ACCREDITED RESULTS

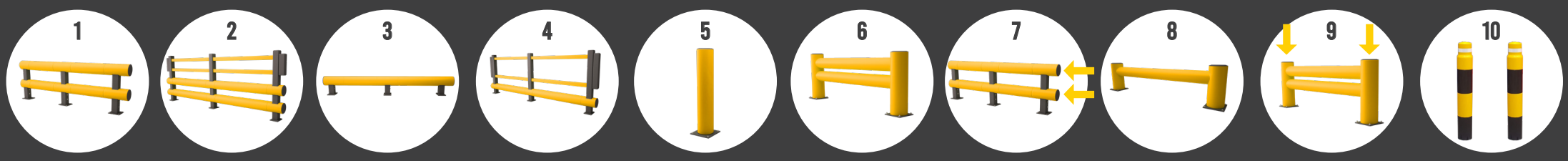
	OUR IMPACT PRODUCT	ENERGY AT 90° (KJ)	ENERGY AT 45° (KJ)	EQUIVALENT MPH SPEED OF A FORKLIFT (3500KG)
1	LOW LEVEL DOUBLE BUMPER	14.2 KJ	28.4 KJ	6.4 MPH
2	PEDESTRIAN DOUBLE BUMPER	14.2 KJ	28.4 KJ	6.4 MPH
3	LOW LEVEL SINGLE BUMPER	11 KJ	22 KJ	5.7 MPH
4	PEDESTRIAN SINGLE BUMPER	11 KJ	22 KJ	5.7 MPH
5	POLYMER PROTECTION BOLLARD	6 KJ	N/A	4 MPH
6	DOUBLE END OF AISLE BARRIER	6.2 KJ	12.4 KJ	4.2 MPH
7	ALL BARRIER POSTS	4.6 KJ	N/A	3.7 MPH
8	SINGLE END OF AISLE BARRIER	4.6 KJ	9.2 KJ	3.7 MPH
9	ALL END OF AISLE POSTS	4 KJ	N/A	3.4 MPH
10	IMPACTSAFE BOLLARD	6.1 KJ	N/A	4.2 MPH

WHAT WERE THE RESULTS

The barriers outperformed similar products in the market. This demonstrates the high level of safety we offer at more competitive prices, with the added advantage of rapid customisation and shorter lead times, than any other providers.

COMPARING PERFORMANCE DATA

When reviewing products, it's important that manufacturer's data is accredited and the angle of impact is stated, which can dramatically affect barrier performance.



ENERGY THAT IS TRANSFERRED TO A SAFETY BARRIER BY DIFFERENT VEHICLES TRAVELLING AT 5MPH

MANUAL PALLET TRUCK

2000KG - 5KJ

LIGHTWEIGHT FORKLIFT TRUCK/VAN

3500KG - 8.75KJ

HEAVY DUTY FORKLIFT TRUCK

12500KG - 31.2KJ

HIGH RACK STACKER

8700KG - 21.7KJ