



Product Impact Suitability

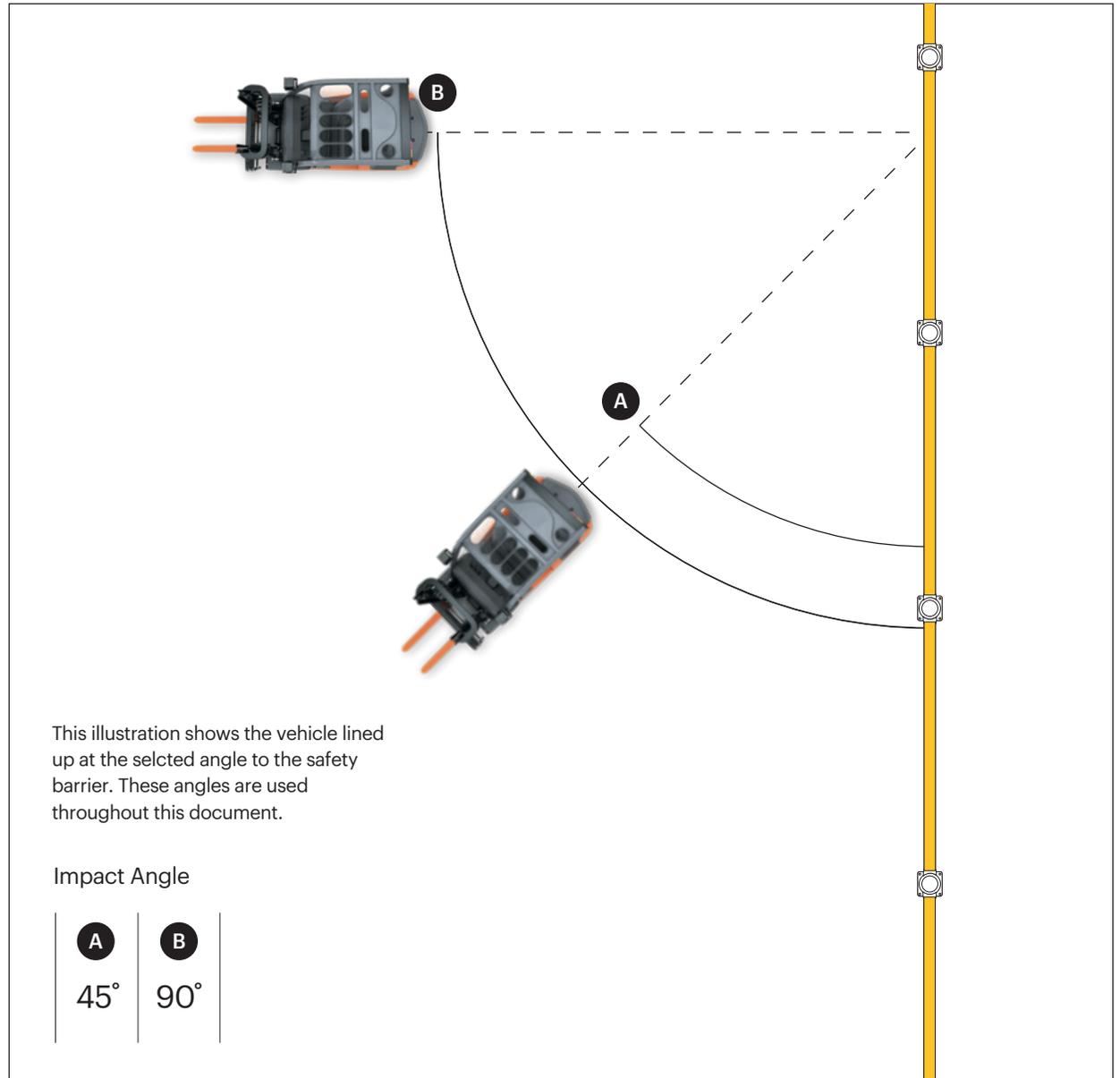
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Introduction

This document has been compiled to give advice on specification of protective products based on vehicle weight and speed.

The traffic light system adopted in this document should be used to determine if a product is suitable and offers guidance on complementary products if these are required. We have selected a cross section of the most common vehicles used within workplace facilities to give you an instant reference.

Please note that this is a guide only and we should always request a site visit to ensure the correct barrier application has been made to suit the area of work.



Product Impact Suitability

Click on the product title below to jump to the specific product page.

Pedestrian Barriers

[iFlex Pedestrian Barrier 3 Rail](#)

Micro Barriers

[mFlex Single Traffic Barrier Ground Level](#)

[mFlex Single Traffic Barrier](#)

[mFlex Double Traffic Barrier](#)

Single Traffic Barriers

[eFlex Single Traffic Barrier](#)

[iFlex Single Traffic Barrier](#)

Double Traffic Barriers

[iFlex Double Traffic Barrier](#)

[Atlas Double Traffic Barrier](#)

[Atlas Triangle Traffic Barrier](#)

[Atlas Polygon Traffic Barrier](#)

Traffic Barriers+

[eFlex Single Traffic Barrier+](#)

[iFlex Single Traffic Barrier+](#)

[iFlex Double Traffic Barrier+](#)

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Topple Barriers

[Heavy Duty Topple Barrier](#)

Low Level Protection

[ForkGuard](#)

[Heavy Duty ForkGuard](#)

[Step Guard](#)

Column & Corner Guards

[iFlexRail Column Guard](#)

[iFlexRail Column Guard+](#)

Gates

[iFlex Dock Gate](#)

[iFlex Dock Gate XL](#)

[eFlex Dock Gate](#)

[Traffic Gate](#)

Height Restrictor

[iFlex Height Restrictor](#)

RackEnd Barriers

[eFlex Single RackEnd Barrier](#)

[eFlex Single RackEnd Barrier with ForkGuard](#)

[eFlex Double RackEnd Barrier](#)

[eFlex Double RackEnd Barrier with ForkGuard](#)

[iFlex Single RackEnd Barrier](#)

[iFlex Single RackEnd Barrier with ForkGuard](#)

Cold Storage

[eFlex Cold Storage ForkGuard Barrier](#)

[iFlex Cold Storage Pedestrian Barrier 3 Rail](#)

[iFlex Cold Storage Single Traffic Barrier](#)

[iFlex Cold Storage Single Traffic Barrier+](#)

[iFlex Cold Storage Bollard](#)

[iFlex Cold Storage Height Restrictor](#)

[Cold Storage Single RackEnd Barrier](#)

Bollards

[iFlex Bollard](#)

[iFlex Heavy Duty Bollard](#)

[Monoplex Bollard 130](#)

[Monoplex Bollard 190](#)

Car Park Specific Protection

[Vehicle Impact & Anti-climb Car Park Barrier](#)

[iFlex Single Car Park Barrier](#)

iFlex Pedestrian Barrier 3 Rail



Specification guidance

Post Diameter - mm / inches	130 / 5 1/8
Rail Diameter - mm / inches	100 / 4
Impact Zone - mm / inches	450 - 1100 / 17 3/4 - 43 1/4
Certification	 

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	●	●
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	●	●
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	●	●
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	●	●
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	●	●
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	●	●
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph	●	●
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	●	●

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	●	●
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	●	●
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	●	●

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	●	●
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	●	●
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	●	●
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	●	●

mFlex Single Traffic Barrier Ground Level



Specification guidance

Post Diameter - mm / inches	130 / 5 1/8
Rail Diameter - mm / inches	100 / 4
Impact Zone - mm / inches	50 - 150 / 2 - 6
Certification	

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

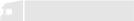
mFlex Single Traffic Barrier Ground Level is designed to safeguard walls, structures, goods and machinery from the wear-and-tear of frequent low-energy impacts at near-ground level.

CAUTION: This product, if positioned incorrectly near pedestrian areas can cause a trip hazard which may result in accidents.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

mFlex Single Traffic Barrier



Specification guidance

Post Diameter - mm / inches	130 / 5 1/8
Rail Diameter - mm / inches	100 / 4
Impact Zone - mm / inches	150 - 250 / 6 - 9 7/8
Certification	

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

mFlex Single Traffic Barrier is designed to safeguard walls, structures, goods and machinery from the wear-and-tear of frequent low-energy impacts at near-ground level.

CAUTION: This product, if positioned incorrectly near pedestrian areas can cause a trip hazard which may result in accidents.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

mFlex Double Traffic Barrier



Specification guidance

Post Diameter - mm / inches	130 / 5 1/8
Rail Diameter - mm / inches	100 / 4
Impact Zone - mm / inches	150 - 450 / 6 - 17 3/4
Certification	

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

mFlex Double Traffic Barrier is designed to safeguard walls, structures, goods and machinery from lightweight hand operated equipment and powered pallet trucks at a low level.

CAUTION: This product, if positioned incorrectly near pedestrian areas can cause a trip hazard which may result in accidents.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

eFlex Single Traffic Barrier



Specification guidance

Post Diameter - mm / inches	158 / 6%
Rail Diameter - mm / inches	158 / 6%
Impact Zone - mm / inches	204 - 362 / 8 - 14¼
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Single Traffic Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 395 / 8 - 15½ inches
Certification	 

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Double Traffic Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 745 / 8 - 29½
Certification	 

Application guidance

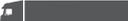
- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	●	●
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	●	●
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	●	●
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	●	●
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	●	●
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	●	●
 Horizontal Order Picker	3,650kg / 8,046 lbs	6.2 mph / 10 kph	●	●
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	●	●

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	●	●
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	●	●
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	●	●

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	●	●
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	●	●
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	●	●
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	●	●

Atlas Double Traffic Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 745 / 8 - 29½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

Atlas Triangle Traffic Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 745 / 8 - 29½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

Atlas Polygon Traffic Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 745 / 8 - 29½
Certification	

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

eFlex Single Traffic Barrier+



Specification guidance

Post Diameter - mm / inches	158 / 6%
Rail Diameter - mm / inches	158 / 6% - 100x35 / 4x1 1/2
Impact Zone - mm / inches	204 - 362 / 8 - 14 1/4
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Single Traffic Barrier+



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½ - 100 / 4
Impact Zone - mm / inches	205 - 395 / 8 - 15½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Double Traffic Barrier+



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½ - 100 / 4
Impact Zone - mm / inches	205 - 745 / 8 - 29½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	●	●
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	●	●
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	●	●
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	●	●
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	●	●
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	●	●
Horizontal Order Picker	3,650kg / 8,046 lbs	6.2 mph / 10 kph	●	●
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	●	●

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	●	●
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	●	●
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	●	●

Service Yard Vehicles

Vehicle Type	Typical Weight	Typical Speed	45°	90°
Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	●	●
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	●	●
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	●	●
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	●	●

Atlas Double Traffic Barrier+



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½ - 100 / 4
Impact Zone - mm / inches	205 - 745 / 8 - 29½
Certification	

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

Heavy Duty Topple Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½ - 100 - 4
Impact Zone - mm / inches	205 - 745 - 8 - 29½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Product is supplied with ForkGuard to ensure protection from vehicle forks that may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Vehicle Type	Typical Weight	Typical Speed	45°	90°
Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

ForkGuard



Specification guidance

ForkGuard Height - mm / inches	185 / 7 1/4
Impact Zone - mm / inches	0 - 185 / 0 - 0 - 7 1/4
Certification	

Application guidance

-  ForkGuard can withstand multiple impacts at this weight and speed.
-  ForkGuard can withstand an impact from the vehicle but may sustain damage and should be checked at the fixing points.
-  ForkGuard cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

ForkGuard has been designed as a low level product protecting pedestrians, machinery or building columns from vehicle forks.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

Heavy Duty ForkGuard



Specification guidance

ForkGuard Height - mm / inches	185 / 7 1/4
Impact Zone - mm / inches	0 - 185 / 0 - 0 - 7 1/4
Certification	

Application guidance

-  ForkGuard can withstand multiple impacts at this weight and speed.
-  ForkGuard can withstand an impact from the vehicle but may sustain damage and should be checked at the fixing points.
-  ForkGuard cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Heavy Duty ForkGuard has been designed as a low level product protecting pedestrians, machinery or building columns from vehicle forks.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

Step Guard



Specification guidance

Step Guard Height - mm / inches	185 / 7 1/4
Impact Zone - mm / inches	0 - 185 / 0 - 7 1/4
Certification	 

Application guidance

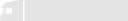
-  Step Guard can withstand multiple impacts at this weight and speed.
-  Step Guard can withstand an impact from the vehicle but may sustain damage and should be checked at the fixing points.
-  Product cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

CAUTION: This product, if positioned incorrectly near pedestrian areas can cause a trip hazard which may result in accidents.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlexRail Column Guard



Specification guidance

Post Diameter - mm / inches	130 / 5 1/8
Rail Diameter - mm / inches	100 / 4
Impact Zone - mm / inches	450 - 1100 / 17 3/4 - 43 1/8
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude in to columns.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlexRail Column Guard+



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½ - 100 / 4
Impact Zone - mm / inches	205 - 395 / 8 - 15½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude in to columns.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Dock Gate



Specification guidance

Height (Closed) - mm / inches	672 / 26½
Height (Open) - mm / inches	1740 / 68½
Impact Zone - mm / inches	365 - 555 / 14% - 21%
Certification	

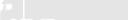
Application guidance

-  Dock Gate can withstand multiple light impacts and scrapes at this weight and speed.
-  Product can withstand an impact from the vehicle but may sustain damage and should be checked.
-  Dock Gate cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Dock Gate XL



Specification guidance

Height (Closed) - mm / inches	672 / 26½
Height (Open) - mm / inches	1740 / 68½
Impact Zone - mm / inches	365 - 555 / 14% - 21%
Certification	

Application guidance

-  Dock Gate can withstand multiple light impacts and scrapes at this weight and speed.
-  Product can withstand an impact from the vehicle but may sustain damage and should be checked.
-  Dock Gate cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

eFlex Dock Gate



Specification guidance

Height (Closed) - mm / inches	610 / 24
Height (Open) - mm / inches	1740 / 68½
Impact Zone - mm / inches	381 - 539 / 15 - 21½
Certification	

Application guidance

-  Dock Gate can withstand multiple light impacts and scrapes at this weight and speed.
-  Product can withstand an impact from the vehicle but may sustain damage and should be checked.
-  Dock Gate cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

Traffic Gate



Specification guidance

Height (Closed) - mm / inches	1215 / 47%
Height (Open) - mm / inches	Various
Impact Zone - mm / inches	455 - 645 / 18 - 25%
Certification	 

Application guidance

-  Traffic Gate can withstand multiple light impacts and scrapes at this weight and speed.
-  Product can withstand an impact from the vehicle but may sustain damage and should be checked.
-  Traffic Gate cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Inspection of the gate should always be carried out after any impact to ensure opening and closing mechanisms are not damaged. Fixing points should be checked regularly to ensure safe use.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Height Restrictor (Post Only)



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	20 - 1200 / 0 - 47¼
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

eFlex Single RackEnd Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	90x90 / 3½x3½
Impact Zone - mm / inches	255 - 345 / 10 - 13½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	●	●
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	●	●
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	●	●
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	●	●
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	●	●
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	●	●
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph	●	●
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	●	●

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	●	●
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	●	●
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	●	●

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	●	●
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	●	●
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	●	●
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	●	●

eFlex Single RackEnd Barrier with ForkGuard



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	90x90 / 3½x3½
Impact Zone - mm / inches	0 - 345 / 0 - 13½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

eFlex Double RackEnd Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	90x90 / 3½x3½
Impact Zone - mm / inches	185 - 405 / 7½ - 16
Certification	

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

eFlex Double RackEnd Barrier with ForkGuard



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	90x90 / 3½x3½
Impact Zone - mm / inches	0 - 405 / 0 - 16
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Single RackEnd Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 395 / 8 - 15½ inches
Certification	 

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Single RackEnd Barrier with ForkGuard



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	0 - 395 / 0 - 15% inches
Certification	 

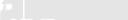
Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

eFlex Cold Storage ForkGuard Barrier



Specification guidance

ForkGuard Height - mm / inches	185 / 7 1/4
Impact Zone - mm / inches	0 - 185 / 0 - 0 - 7 1/4
Certification	

Application guidance

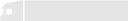
-  ForkGuard can withstand multiple impacts at this weight and speed.
-  ForkGuard can withstand an impact from the vehicle but may sustain damage and should be checked at the fixing points.
-  ForkGuard cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

ForkGuard has been designed as a low level product protecting pedestrians, machinery or building columns from vehicle forks.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Cold Storage Pedestrian Barrier 3 Rail



Specification guidance

Post Diameter - mm / inches	130 / 5 1/8
Rail Diameter - mm / inches	100 / 4
Impact Zone - mm / inches	450 - 1100 / 17 3/4 - 43 1/8
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Cold Storage Single Traffic Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 395 / 8 - 15½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Cold Storage Single Traffic Barrier+



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 395 / 8 - 15½ inches
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

A-SAFE should always suggest the addition of low level protection, using either ForkGuard or Step Guard protection products when vehicle forks may protrude into pedestrian areas.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

Cold Storage Bollard



Specification guidance

Bollard Height - mm / inches	1200 - 47¼ 835 / 32%
Impact Zone - mm / inches	0 - 1200 - 0 - 47¼ 0 - 835 / 0 - 32%
Certification	

Application guidance

-  Bollard can withstand multiple impacts at this weight and speed.
-  Bollard can withstand an impact from the vehicle but may sustain damage and should be checked at the fixing points.
-  Bollard cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance 90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	
 Horizontal Order Picker	3,650kg / 8,046 lbs	6.2 mph / 10 kph	
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle 90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	

iFlex Cold Storage Height Restrictor



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	0 - 1200 / 0 - 47¼
Certification	

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

Monoplex Bollard 130



Specification guidance

Post Diameter - mm / inches	130 / 5 1/8
Impact Zone - mm / inches	0 - 1125 0 - 44 1/2
Certification	 

Application guidance

- Bollard can withstand multiple impacts at this weight and speed.
- The bollard can withstand an impact from pedestrians but an alternative product should be specified in workplace pedestrian areas.
- Bollard cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle
			90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	●
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	●
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	●
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	●
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	●
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	●
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph	●
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	●

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle
			90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	●
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	●
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	●

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	●
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	●
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	●
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	●

Monoplex Bollard 190mm



Specification guidance

Post Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	0 - 1175 0 - 46¼
Certification	 

Application guidance

-  Bollard can withstand multiple impacts at this weight and speed.
-  The bollard can withstand an impact from pedestrians but an alternative product should be specified in workplace pedestrian areas.
-  Bollard cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle 90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph	
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle 90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	

iFlex Bollard



Specification guidance

Post Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	0 - 1175 0 - 46¼
Certification	 

Application guidance

-  Bollard can withstand multiple impacts at this weight and speed.
-  The bollard can withstand an impact from pedestrians but an alternative product should be specified in workplace pedestrian areas.
-  Bollard cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle 90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph	
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle 90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	

iFlex Heavy Duty Bollard



Specification guidance

Post Diameter - mm / inches	210 / 8¼
Impact Zone - mm / inches	0 - 1175 0 - 46¼
Certification	

Application guidance

-  Bollard can withstand multiple impacts at this weight and speed.
-  The bollard can withstand an impact from pedestrians but an alternative product should be specified in workplace pedestrian areas.
-  Bollard cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle
			90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph	
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph	
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph	
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph	
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph	
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph	
 Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph	
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph	

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle
			90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph	
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph	
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph	

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph	
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph	
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph	
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph	

Vehicle Impact and Anti-climb Car Park Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½ - 100 / 4
Impact Zone - mm / inches	205 - 395 / 8 - 15½
Certification	

Application guidance

- Barrier can withstand multiple impacts at this weight and speed.
- Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
- Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not be specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
Horizontal Order Picker	3,650 kg / 8,046 lbs	6.2 mph / 10 kph		
Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

Vehicle Type	Typical Weight	Typical Speed	45°	90°
Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

iFlex Single Car Park Barrier



Specification guidance

Post Diameter - mm / inches	190 / 7½
Rail Diameter - mm / inches	190 / 7½
Impact Zone - mm / inches	205 - 395 / 8 - 15½ inches
Certification	

Application guidance

-  Barrier can withstand multiple impacts at this weight and speed.
-  Barrier can withstand an impact from the vehicle but may sustain damage and should be checked at the couplings, fixings and base plates for damage.
-  Barrier cannot withstand an impact from this vehicle at the published weight and speed and should not specified.

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Pedestrians	200 kg / 440 lbs	3 mph / 4.8 kph		
 Electric Pedestrian Stacker	2,350 kg / 5,180 lbs	3.1 mph / 5 kph		
 Manual Pallet Truck	2,580 kg / 5,688 lbs	3.1 mph / 5 kph		
 Electric Pedestrian Truck	2,650 kg / 5,842 lbs	3.1 mph / 5 kph		
 Electric Reach Truck	3,000 kg / 6,614 lbs	4.9 mph / 8 kph		
 Lightweight Counterbalance FLT	3,600 kg / 7,936 lbs	4.9 mph / 8 kph		
 Horizontal Order Picker	3,650kg / 8,046 lbs	6.2 mph / 10 kph		
 Heavy Duty Counterbalance Truck	8,000 kg / 17,637 lbs	4.9 mph / 8 kph		

Vehicle Type	Typical Weight	Typical Speed	Application guidance Impact Angle	
			45°	90°
 Electric Tow Tractor	8,250 kg / 18,188 lbs	6.2 mph / 10 kph		
 VNA	9,030 kg / 19,907 lbs	3.7 mph / 6 kph		
 Engine Counterbalance Heavy Duty Forklift Truck	12,350 kg / 27,227 lbs	3.7 mph / 6 kph		

Service Yard Vehicles

 Car	1,500 kg / 3,306 lbs	9.9 mph / 16 kph		
 Small Van	3,500 kg / 7,716 lbs	9.9 mph / 16 kph		
 Small Lorry	10,000 kg / 22,046 lbs	6.2 mph / 10 kph		
 Heavy Goods Lorry	36,000 kg / 79,366 lbs	6.2 mph / 10 kph		

If you have any questions please contact
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Data Sheets



Testing Videos



Certificates

PRODUCTHUB

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