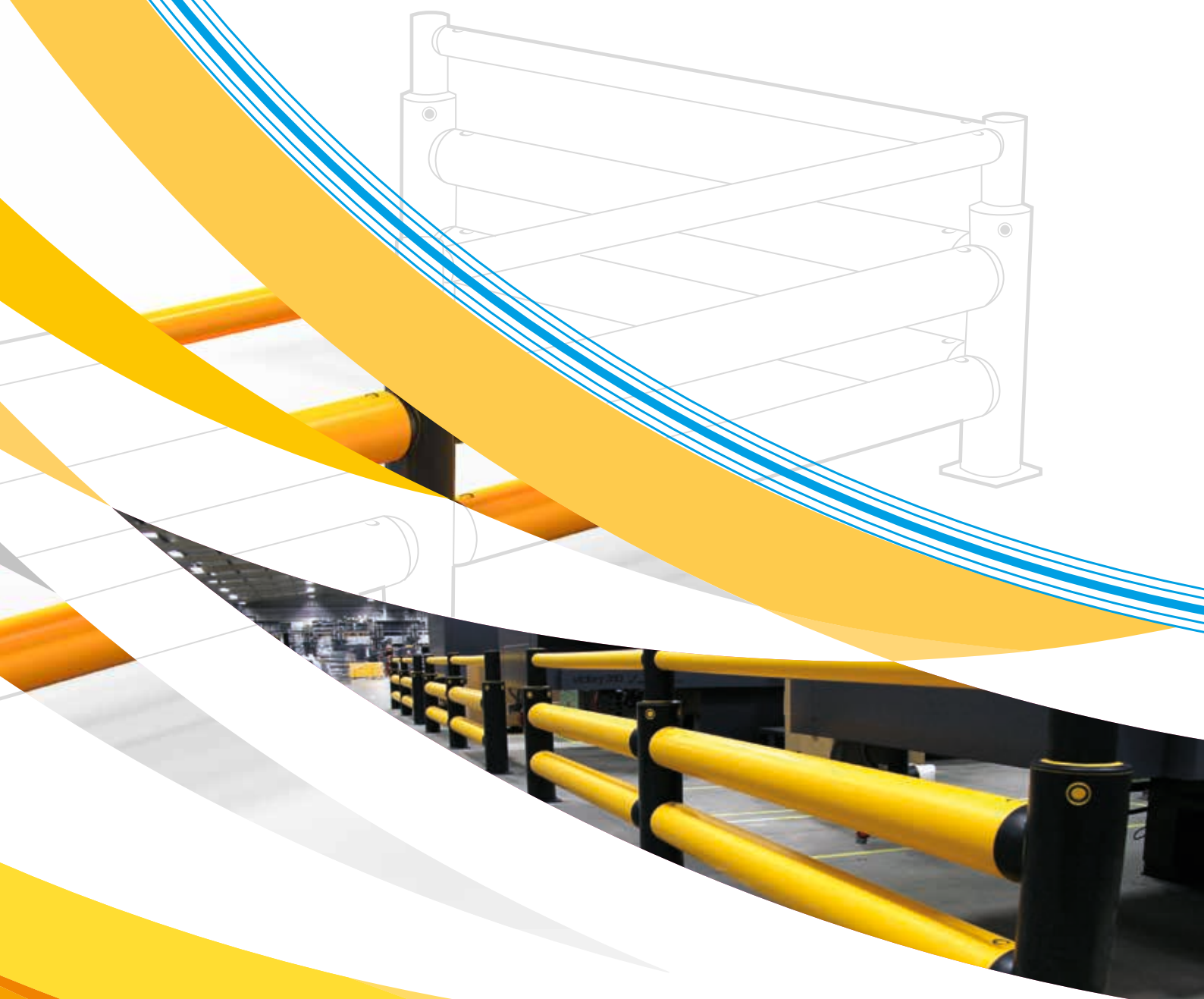


iFlex Double Traffic Barrierⁿ¹

TECHNICAL SPECIFICATION



iFlex Double Traffic Barrier



ULTIMATE
ENERGY LOAD
40,144 J
29,608 FT LBF
AT 45°



Segregate

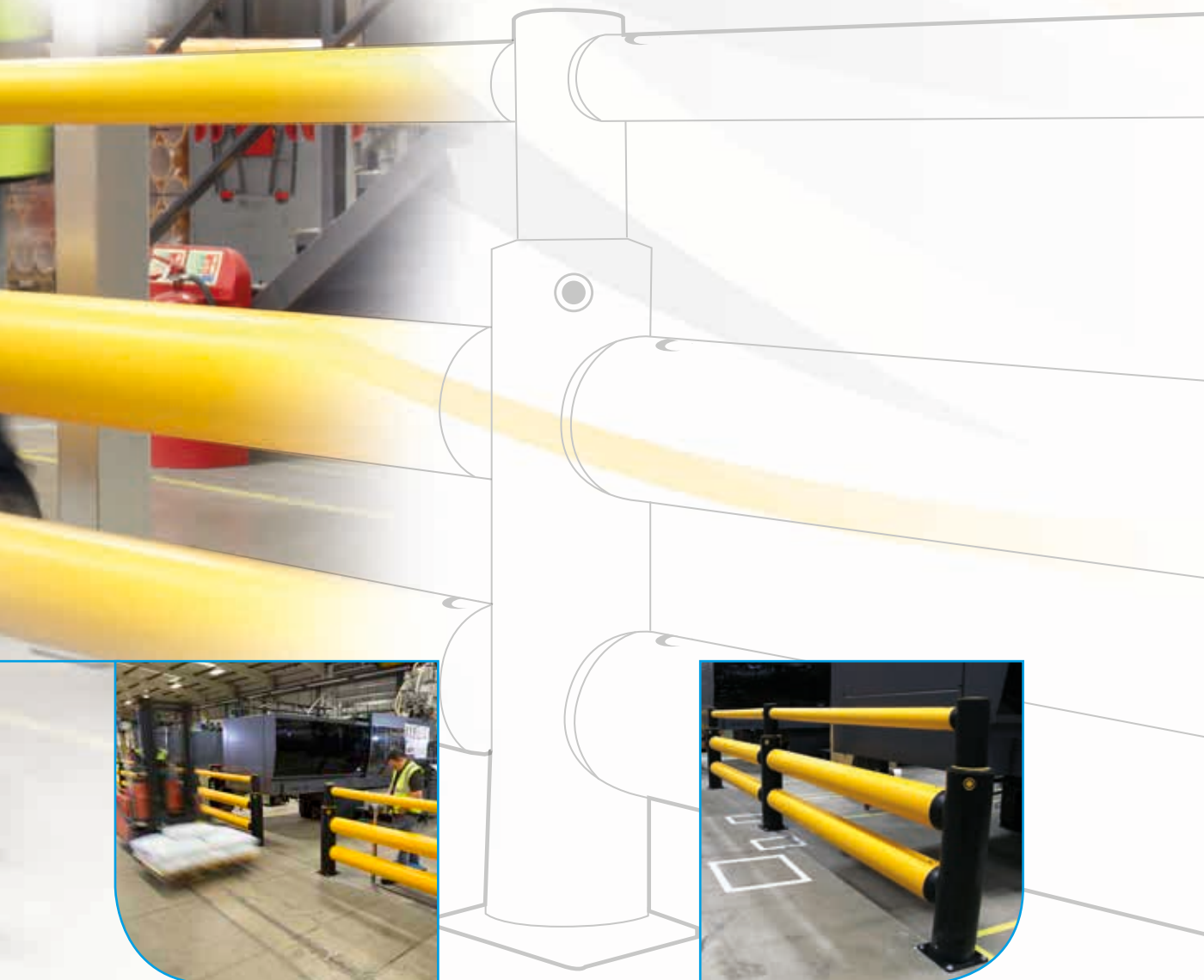
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INTRODUCTION

Able to **flex**, **absorb** and **reform** following impacts from heavy duty workplace traffic, the **iFlex Double Traffic Barrier +1** is a multi-functional product, which combines robust barrier protection with handrail guidance and pedestrian/vehicle segregation.

Ideal for use in critical areas where pedestrians and workplace vehicles are mobile, the strong barrier rails are capable of absorbing high energy impacts from large workplace traffic such as heavy duty forklift trucks, and the highly-visible single handrails offer both guidance for pedestrians and segregation of vehicles from personnel.

This Technical Specification defines the barriers' capabilities and acts as guidance for customers when selecting barriers that are fit-for-purpose.



Guide

Protect

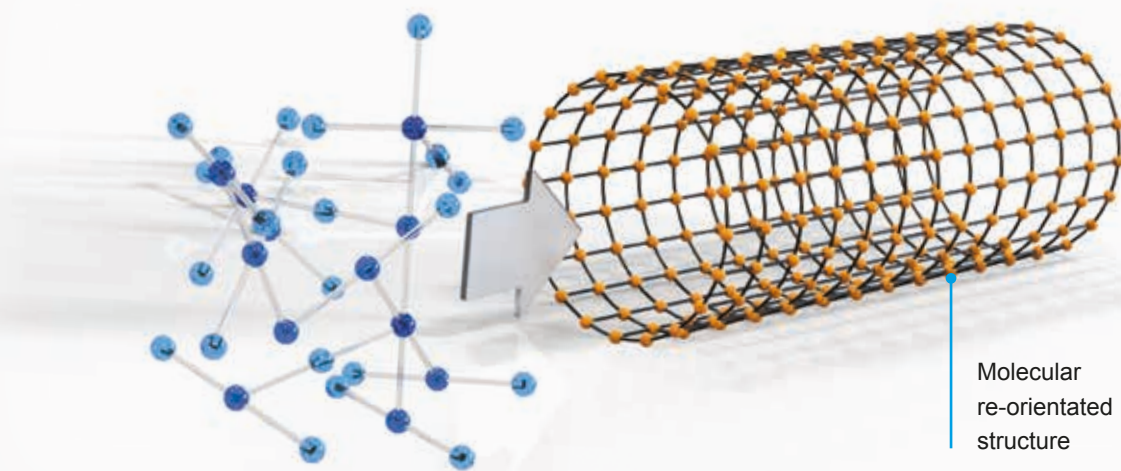
iFlex Double Traffic Barrier

CREATING OUR PRODUCT

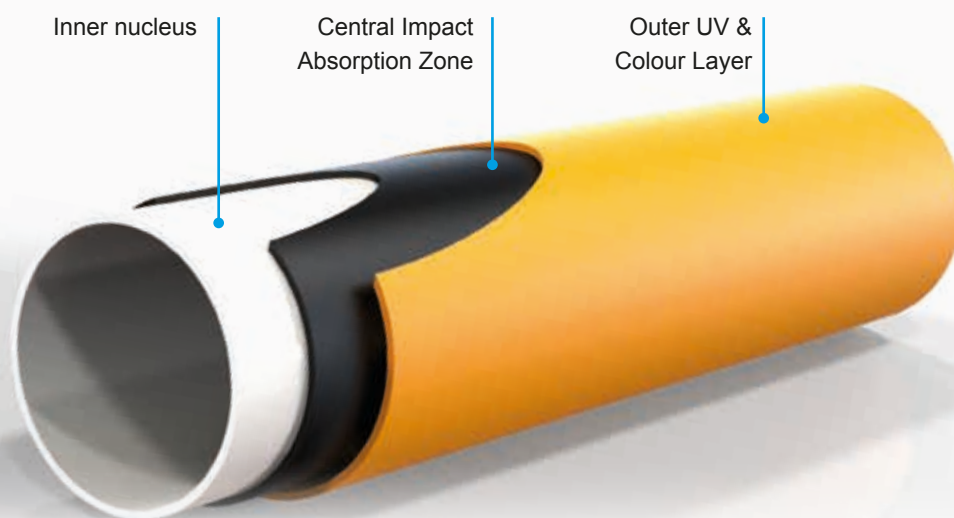
When compared to steel, **A-SAFE** barriers offer an annual and ongoing saving of 85% on repairs, re-painting, floor damage and other maintenance costs.

During the manufacture of **Memaplex™**, its molecular structure is re-orientated into a straight line, giving the material a **built-in memory**. This means that the product is flexible, absorbs and dissipates impacts and repels the source of them. After impact the barrier will reform to its original shape.

MEMAPLEX™



All of **A-SAFE's** products are made from **Memaplex™**, a robust and flexible polyolefin blend of materials with rubber additives. It's a three layered construction that's exclusively manufactured by **A-SAFE**. These three zones combine to form a strong yet flexible product.



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iFlex Double Traffic Barrier

ISOMETRIC VIEW



Standard Yellow



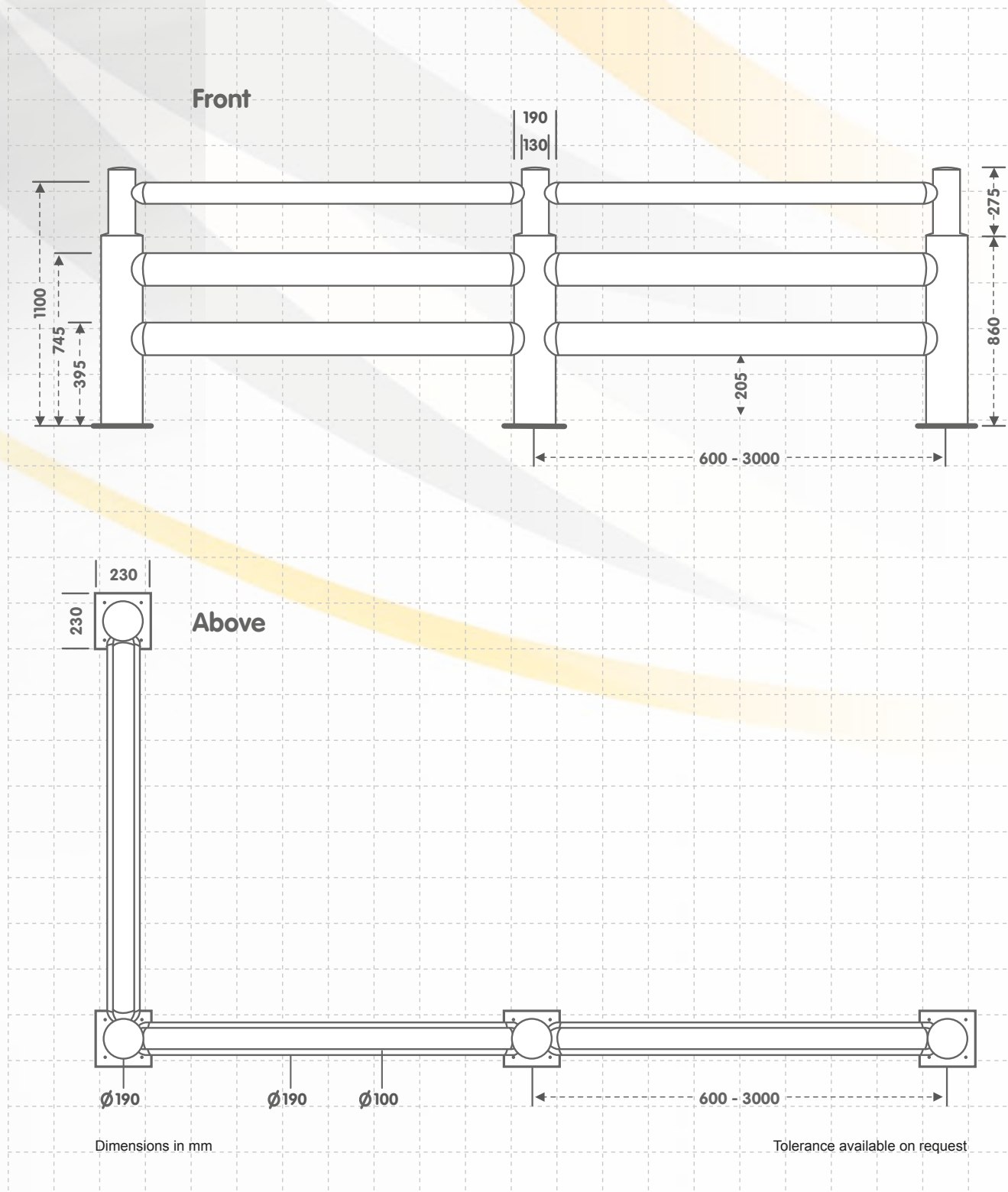
Standard Black



Standard Grey

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DIMENSIONS



iFlex Double Traffic Barrier

COMPONENTS - RAILS

**iFlex Double Traffic +1 Rail Part Codes -
(Post Centre Dimension) 1900D**



Length	Standard Yellow	Standard Grey	Standard Black
600mm	P-01-01-0027	P-01-01-0102	P-01-01-0154
700mm	P-01-01-0028	P-01-01-0103	P-01-01-0155
800mm	P-01-01-0029	P-01-01-0104	P-01-01-0156
900mm	P-01-01-0030	P-01-01-0105	P-01-01-0157
1000mm	P-01-01-0031	P-01-01-0106	P-01-01-0158
1100mm	P-01-01-0032	P-01-01-0107	P-01-01-0159
1200mm	P-01-01-0033	P-01-01-0108	P-01-01-0160
1300mm	P-01-01-0034	P-01-01-0109	P-01-01-0161
1400mm	P-01-01-0035	P-01-01-0110	P-01-01-0162
1500mm	P-01-01-0036	P-01-01-0111	P-01-01-0163
1600mm	P-01-01-0037	P-01-01-0112	P-01-01-0164
1700mm	P-01-01-0038	P-01-01-0113	P-01-01-0165
1800mm	P-01-01-0039	P-01-01-0114	P-01-01-0166
1900mm	P-01-01-0040	P-01-01-0115	P-01-01-0167
2000mm	P-01-01-0041	P-01-01-0116	P-01-01-0168
2100mm	P-01-01-0042	P-01-01-0117	P-01-01-0169
2200mm	P-01-01-0043	P-01-01-0118	P-01-01-0170
2300mm	P-01-01-0044	P-01-01-0119	P-01-01-0171
2400mm	P-01-01-0045	P-01-01-0120	P-01-01-0172
2500mm	P-01-01-0046	P-01-01-0121	P-01-01-0173
2600mm	P-01-01-0047	P-01-01-0122	P-01-01-0174
2700mm	P-01-01-0048	P-01-01-0123	P-01-01-0175
2800mm	P-01-01-0049	P-01-01-0124	P-01-01-0176
2900mm	P-01-01-0050	P-01-01-0125	P-01-01-0177
3000mm	P-01-01-0051	P-01-01-0126	P-01-01-0178

**iFlex Double Traffic +1 Rail Part Codes -
(Post Centre Dimension) 1000D**



Length	Standard Yellow	Standard Grey	Standard Black
500mm	P-01-01-0001	P-01-01-0076	P-01-01-0128
600mm	P-01-01-0002	P-01-01-0077	P-01-01-0129
700mm	P-01-01-0003	P-01-01-0078	P-01-01-0130
800mm	P-01-01-0004	P-01-01-0079	P-01-01-0131
900mm	P-01-01-0005	P-01-01-0080	P-01-01-0132
1000mm	P-01-01-0006	P-01-01-0081	P-01-01-0133
1100mm	P-01-01-0007	P-01-01-0082	P-01-01-0134
1200mm	P-01-01-0008	P-01-01-0083	P-01-01-0135
1300mm	P-01-01-0009	P-01-01-0084	P-01-01-0136
1400mm	P-01-01-0010	P-01-01-0085	P-01-01-0137
1500mm	P-01-01-0011	P-01-01-0086	P-01-01-0138
1600mm	P-01-01-0012	P-01-01-0087	P-01-01-0139
1700mm	P-01-01-0013	P-01-01-0088	P-01-01-0140
1800mm	P-01-01-0014	P-01-01-0089	P-01-01-0141
1900mm	P-01-01-0015	P-01-01-0090	P-01-01-0142
2000mm	P-01-01-0016	P-01-01-0091	P-01-01-0143
2100mm	P-01-01-0017	P-01-01-0092	P-01-01-0144
2200mm	P-01-01-0018	P-01-01-0093	P-01-01-0145
2300mm	P-01-01-0019	P-01-01-0094	P-01-01-0146
2400mm	P-01-01-0020	P-01-01-0095	P-01-01-0147
2500mm	P-01-01-0021	P-01-01-0096	P-01-01-0148
2600mm	P-01-01-0022	P-01-01-0097	P-01-01-0149
2700mm	P-01-01-0023	P-01-01-0098	P-01-01-0150
2800mm	P-01-01-0024	P-01-01-0099	P-01-01-0151
2900mm	P-01-01-0025	P-01-01-0100	P-01-01-0152
3000mm	P-01-01-0026	P-01-01-0101	P-01-01-0153

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COMPONENTS - PARTS

POST KEY

		
B-02-01-0013 15mm Hex Head Through Bolt, Z/P	E-03-01-0003 25 x 25 x 3mm wall x 320mm	M-01-01-0004 iFlex 190 Coupling Cover with over mould (Black - Yellow)
		
M-01-01-0001 iFlex 130 Cap with over mould (Black - Yellow)	M-01-01-0003 iFlex 190 Plus Cap with over mould (Black - Yellow)	M-01-01-0005 iFlex 130 Coupling Cover with over mould (Black - Yellow)
		
M-01-01-0006 iFlex 190 Coupling (Black)	M-01-01-0007 iFlex 130 Coupling (Black)	M-01-01-0008 iFlex 190 Coupling Lock Pin with over mould (Black - Yellow)
		
M-01-01-0009 iFlex 100 Coupling Lock Pin with over mould (Black - Yellow)	M-01-01-0010 iFlex Pin Plug (Yellow)	M-01-01-0011 iFlex 190 Coupling Sleeve with over mould (Black)
		
B-04-01-0013 Double Traffic Post Pin (36mm Dia. x 550mm)	M-01-01-0014 iFlex Barrier Tool (Black)	M-01-01-0015 iFlex 130 Cap with over mould (Black-Grey)
		
Part No. M-01-01-0017 iFlex 190 Plus Cap with over mould (Black-Grey)	Part No. M-01-01-0018 iFlex 190 Coupling Cover with over mould (Black - Grey)	M-01-01-0019 iFlex 130 Coupling Cover with over mould (Black - Grey)
		
M-01-01-0020 iFlex 190 Coupling Lock Pin with over mould (Black - Grey)	M-01-01-0021 iFlex 100 Coupling Lock Pin with over mould (Black - Grey)	M-01-01-0022 iFlex Pin Plug (Grey)
		
E-01-14-0001 Wear Collar - 210 OD x 8.75mm wall tube, Black - 150mm (Optional)	B-04-01-0001 229 x 229 x 5mm Gasket - Black (Optional)	

Every part comes with a post, fixings and cap.

	
Top View of Post X1	Front View of Post
Standard Black Post	Standard Grey Post
	
Fixings X1	Traffic Post Pin
	
Cap X1	Couplings
	Std Steel Black Eco Coating & Zinc Nickel Coating
	Std CSK Steel Black Eco Coating & Zinc Nickel Coating Countersunk
	Galv Galvanised Steel
	SS316 Stainless Steel 316
	SS316 CSK Stainless Steel 316 Countersunk

iFlex Double Traffic Barrier

POST VARIATIONS

The graphics depict an overhead view of how posts would look with the angle of rails connecting into them.

End			
	Std	A-01-06-0001	A-01-06-0061
	Std CSK	A-01-06-0013	A-01-06-0073
	Galv	A-01-06-0049	A-01-06-0109
	SS316	A-01-06-0025	A-01-06-0085
	SS316 CSK	A-01-06-0037	A-01-06-0097
			
1x		2x	

2D - 90			
	Std	A-01-06-0002	A-01-06-0062
	Std CSK	A-01-06-0014	A-01-06-0074
	Galv	A-01-06-0050	A-01-06-0110
	SS316	A-01-06-0026	A-01-06-0086
	SS316 CSK	A-01-06-0038	A-01-06-0098
			
2x		4x	

2D - 112.5			
	Std	A-01-06-0003	A-01-06-0063
	Std CSK	A-01-06-0015	A-01-06-0075
	Galv	A-01-06-0051	A-01-06-0111
	SS316	A-01-06-0027	A-01-06-0087
	SS316 CSK	A-01-06-0039	A-01-06-0099
			
2x		4x	

2D - 135			
	Std	A-01-06-0004	A-01-06-0064
	Std CSK	A-01-06-0016	A-01-06-0076
	Galv	A-01-06-0052	A-01-06-0112
	SS316	A-01-06-0028	A-01-06-0088
	SS316 CSK	A-01-06-0040	A-01-06-0100
			
2x		4x	

2D - 157.5			
	Std	A-01-06-0005	A-01-06-0065
	Std CSK	A-01-06-0017	A-01-06-0077
	Galv	A-01-06-0053	A-01-06-0113
	SS316	A-01-06-0029	A-01-06-0089
	SS316 CSK	A-01-06-0041	A-01-06-0101
			
2x		4x	

Mid			
	Std	A-01-06-0006	A-01-06-0066
	Std CSK	A-01-06-0018	A-01-06-0078
	Galv	A-01-06-0054	A-01-06-0114
	SS316	A-01-06-0030	A-01-06-0090
	SS316 CSK	A-01-06-0042	A-01-06-0102
			
2x		4x	

3D - 90, 180			
	Std	A-01-06-0007	A-01-06-0067
	Std CSK	A-01-06-0019	A-01-06-0079
	Galv	A-01-06-0055	A-01-06-0115
	SS316	A-01-06-0031	A-01-06-0091
	SS316 CSK	A-01-06-0043	A-01-06-0103
			
3x		6x	

3D - 112.5, 202.5			
	Std	A-01-06-0008	A-01-06-0068
	Std CSK	A-01-06-0020	A-01-06-0080
	Galv	A-01-06-0056	A-01-06-0116
	SS316	A-01-06-0032	A-01-06-0092
	SS316 CSK	A-01-06-0044	A-01-06-0104
			
3x		6x	

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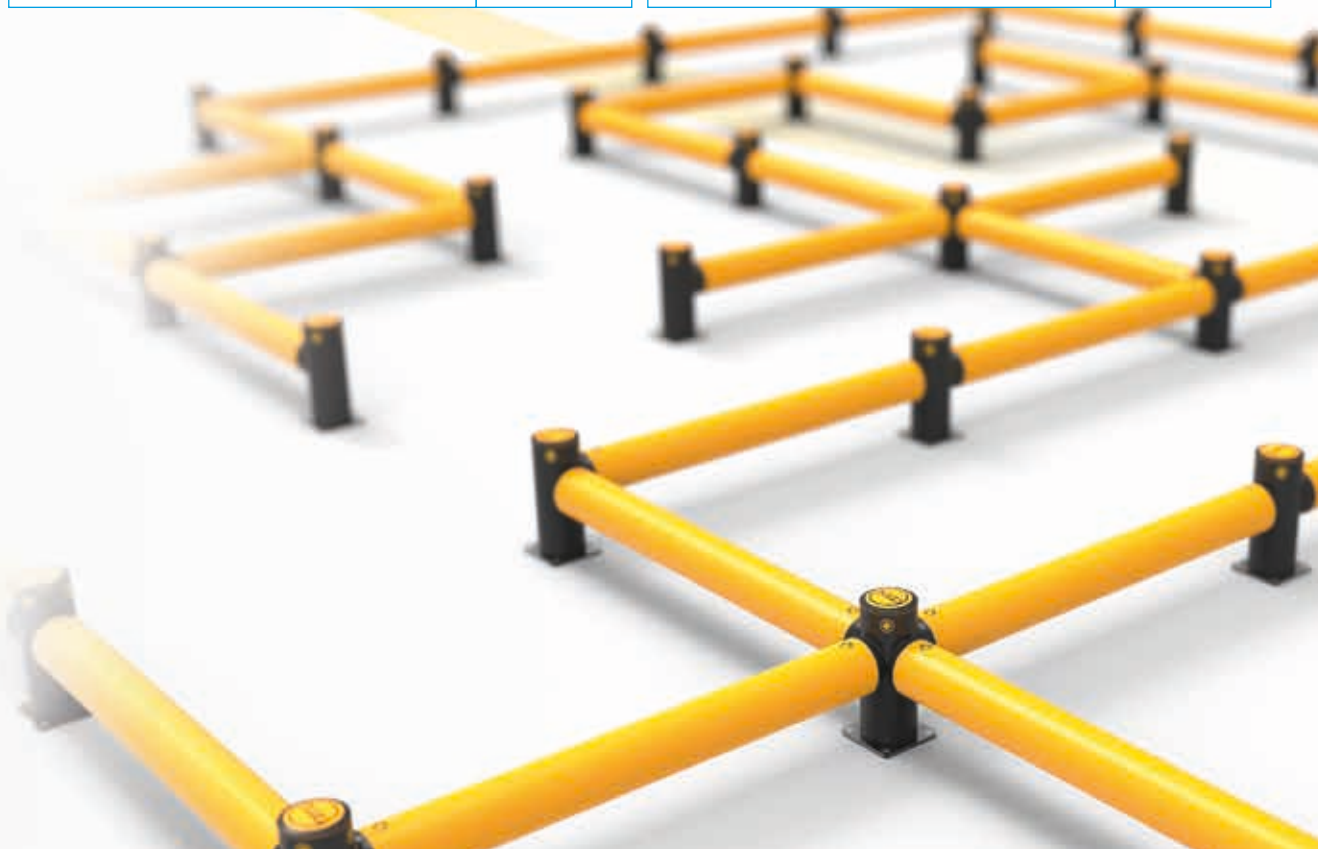


3D - Mid			
		Std	A-01-06-0009 A-01-06-0069
		Std CSK	A-01-06-0021 A-01-06-0081
		Galv	A-01-06-0057 A-01-06-0117
		SS316	A-01-06-0033 A-01-06-0093
		SS316 CSK	A-01-06-0045 A-01-06-0105
3x		6x	

3D - 112.5, 270			
		Std	A-01-06-0010 A-01-06-0070
		Std CSK	A-01-06-0022 A-01-06-0082
		Galv	A-01-06-0058 A-01-06-0118
		SS316	A-01-06-0034 A-01-06-0094
		SS316 CSK	A-01-06-0046 A-01-06-0106
3x		6x	

3D - 135, 270			
		Std	A-01-06-0011 A-01-06-0071
		Std CSK	A-01-06-0023 A-01-06-0083
		Galv	A-01-06-0059 A-01-06-0119
		SS316	A-01-06-0035 A-01-06-0095
		SS316 CSK	A-01-06-0047 A-01-06-0107
3x		6x	

4D			
		Std	A-01-06-0012 A-01-06-0072
		Std CSK	A-01-06-0024 A-01-06-0084
		Galv	A-01-06-0060 A-01-06-0120
		SS316	A-01-06-0036 A-01-06-0096
		SS316 CSK	A-01-06-0048 A-01-06-0108
4x		8x	



iFlex Double Traffic Barrier



AT A GLANCE

Technical guide, charts and graphs

01

VEHICLE IMPACT ENERGY CHART

Understanding the potential impact energy of workplace vehicles at varying angles of impact.



02

VEHICLE IMPACT ENERGY GRAPHS

Descriptions of a vehicle's impact energy dependent on its speed and angle of impact to the barrier.



03

ULTIMATE LOAD

Examining the ultimate impact forces that specific lengths of barrier rails can withstand.



04

ULTIMATE DEFLECTION VALUES

Charting the deflection distances of barriers when different impact energies are applied to various barrier rail lengths at different angles of impact.



05

FORCE TRANSFERRED TO FIXINGS

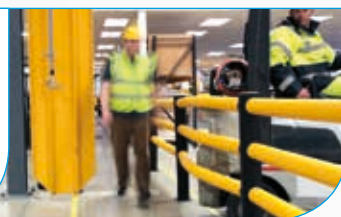
Demonstrating the load transferred to fixings when different energy values are applied to the barrier.



06

SUITABILITY GUIDE

Pass criteria for the barrier following vehicle impacts at different angles and speeds.

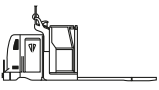
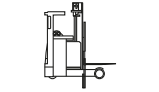
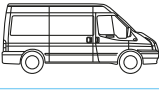
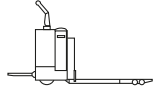
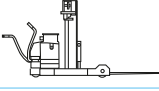
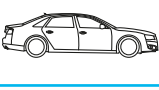


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01

VEHICLE IMPACT ENERGY CHART

Potential impact energy workplace vehicles possess

Vehicle Type Fully Laden		Total Weight (kg) (lbs)	Speed (Km/h) (mph)	90° Angle Impact Energy (J) (ft lb)	67.5° Angle Impact Energy (J) (ft lb)	45° Angle Impact Energy (J) (ft lb)	22.5° Angle Impact Energy (J) (ft lb)	10° Angle Impact Energy (J) (ft lb)
Heavy Goods Lorry		36,000 79,366	10 6.2	138,889 102,439	118,549 87,437	69,444 51,220	20,340 15,002	4,188 3,089
Engine Heavy Duty Forklift Truck		24,000 52,911	23 14.3	468,750 345,732	400,103 295,101	234,375 172,866	68,647 50,631	14,135 10,425
Heavy Duty Forklift Truck		13,050 28,770	15 9.3	113,281 83,552	96,692 71,316	56,641 41,776	16,590 12,236	3,416 2,519
Small Lorry		10,000 22,046	10 6.2	38,580 28,455	32,930 24,288	19,290 14,228	5,650 4,167	1,163 858
VNA		8,730 19,246	11 6.8	37,133 27,388	31,695 23,377	18,566 13,694	5,438 4,011	1,120 826
Electric Tow Tractor		8,250 18,188	9 5.6	22,996 16,961	19,629 14,477	11,498 8,481	3,368 2,484	693 511
Horizontal Order Picker		3,650 8,047	11 6.8	17,039 12,567	14,544 10,726	8,519 6,284	2,495 1,840	514 379
Lightweight Counterbalance Forklift Truck		3,570 7,870	12 7.5	19,833 14,628	16,929 12,486	9,917 7,314	2,905 2,142	598 441
Electric High Reach Truck		3,560 7,848	11 6.8	16,619 12,257	14,185 10,462	8,309 6,129	2,434 1,795	501 370
Small Van		3,500 7,716	10 6.2	13,503 9,959	11,526 8,501	6,752 4,980	1,977 1,459	407 300
Electric Pedestrian Truck		2,650 5,842	6 3.7	3,681 2,715	3,142 2,317	1,840 1,357	539 398	111 82
Electric Pedestrian Stacker		2,350 5,181	6 3.7	3,264 2,407	2,786 2,055	1,632 1,204	478 353	98 73
Manual Pallet Truck		2,080 4,586	5 3.1	2,006 1,480	1,712 1,263	1,003 740	294 217	60 45
Car		1,500 3,307	16 9.9	14,815 10,927	12,645 9,327	7,407 5,463	2,170 1,600	447 329

Angle impact energy = Joules / Foot pounds

These are guideline figures.

Technical Specification

02 VEHICLE IMPACT ENERGY GRAPHS

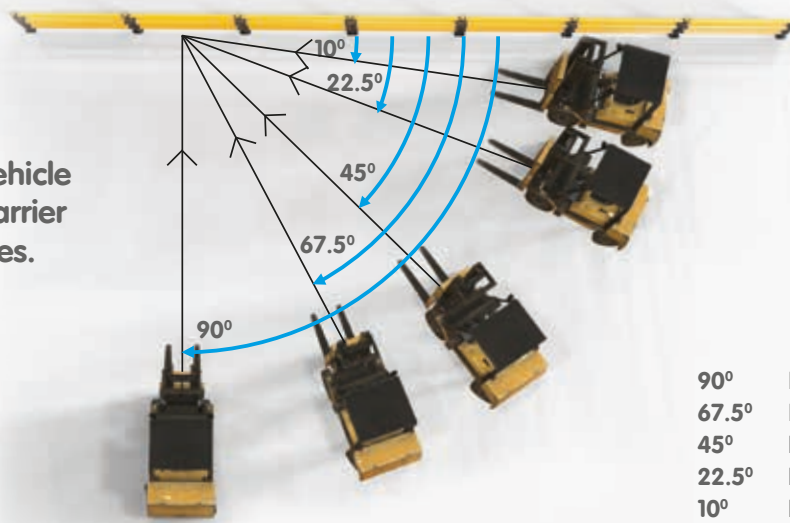
The following graphs are a guide to the amount of potential energy a given vehicle possesses depending on its speed and angle of impact.

In this case there are three given speeds; 15km/h (9.3mph), 10km/h (6.2mph) and 5km/h (3.1 mph).

With each of these speeds the amount of impact energy increases with vehicle total weight and impact angle.

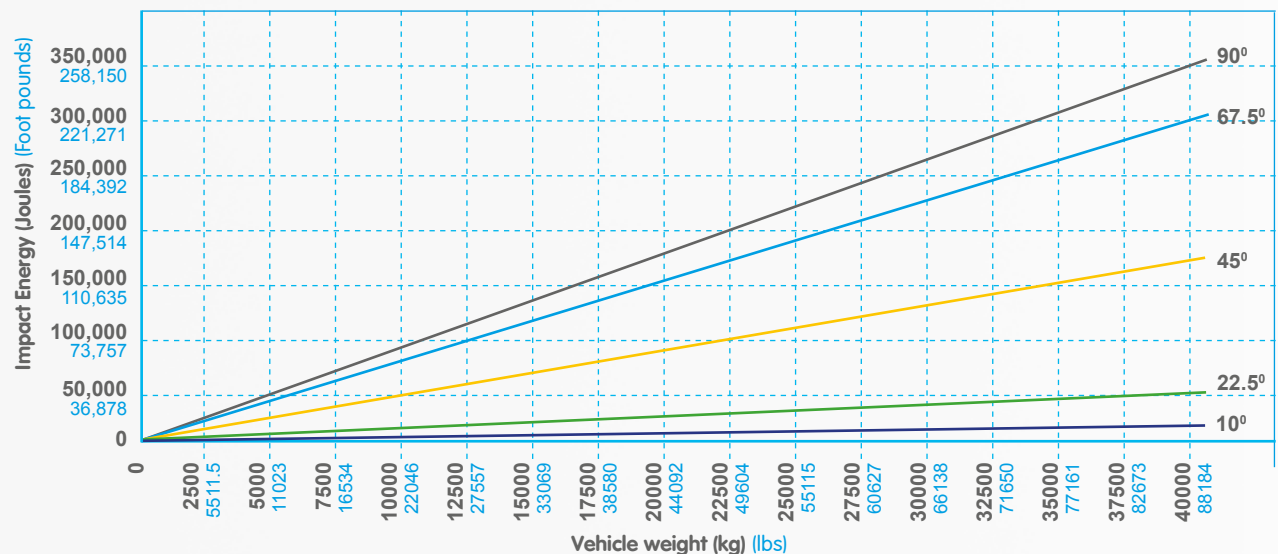
These energy values are a guide to assist you in finding the correct level of protection for your facility.

Depiction of a vehicle impacting the barrier at different angles.



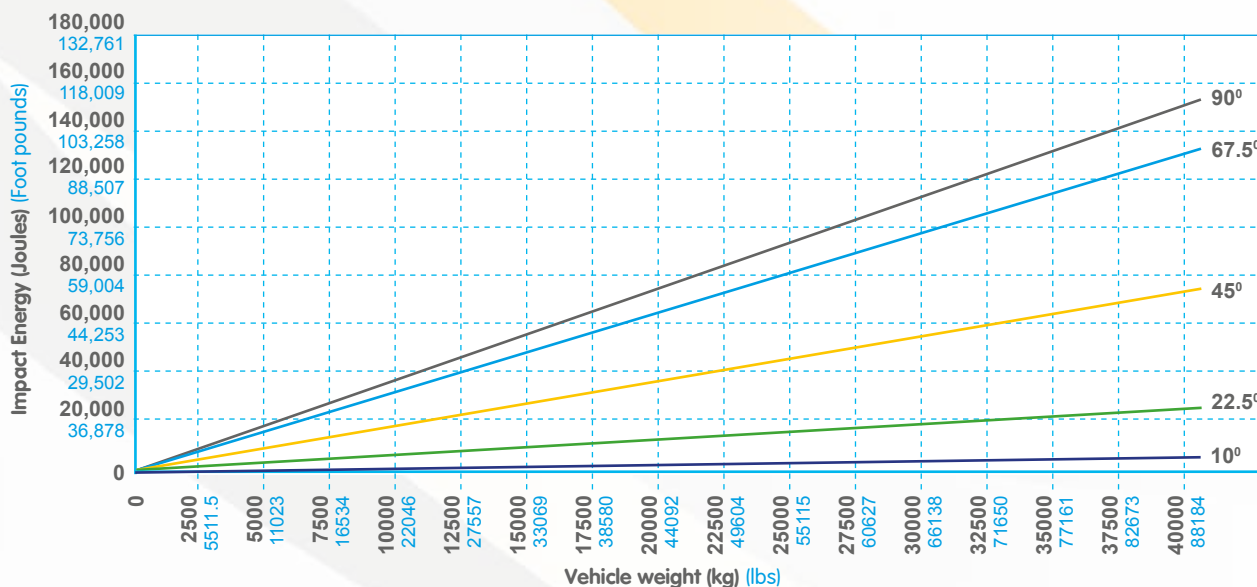
- 90° Head on impact
- 67.5° High intensity impact
- 45° Mid-intensity impact
- 22.5° Mid glancing impact
- 10° Low glancing impact

The energy produced for angular impacts of vehicles travelling at 15 km/h (9.3 mph)

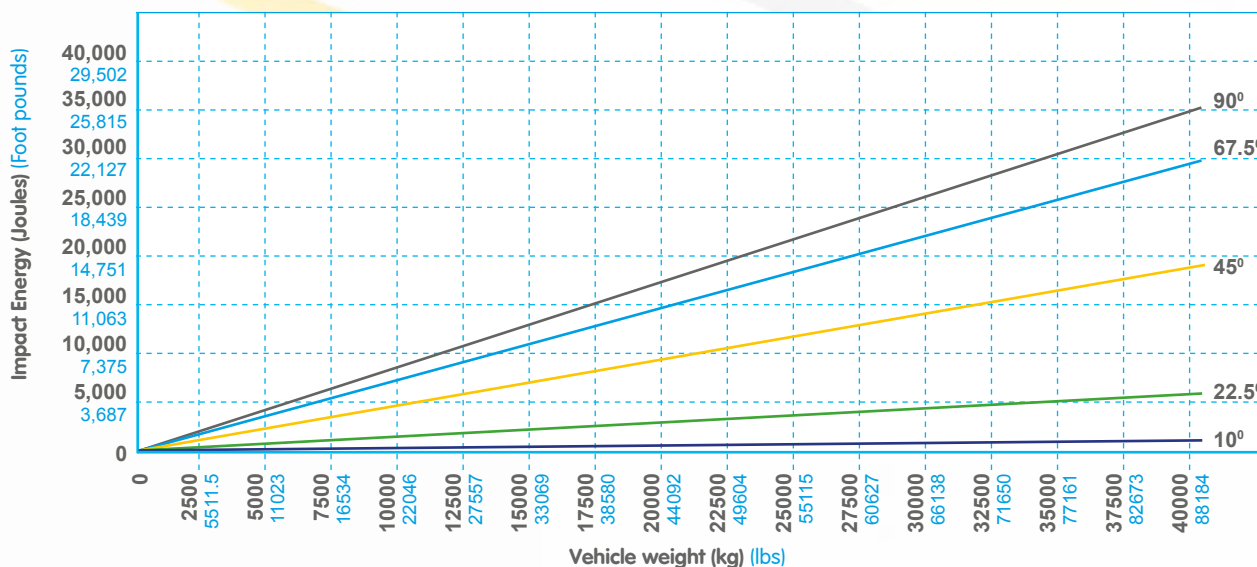


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The energy produced for angular impacts of vehicles travelling at 10 km/h (6.2 mph)



The energy produced for angular impacts of vehicles travelling at 5 km/h (3.1 mph)



Vehicle weight fully laden (kg) (lbs) key

													
1,500	2,080	2,350	2,650	3,500	3,560	3,570	3,650	8,250	8,730	10,000	13,050	24,000	36,000
3,307	4,586	5,181	5,842	7,716	7,848	7,870	8,047	18,188	19,246	22,046	28,770	52,911	79,366

iFlex Double Traffic Barrier

03 ULTIMATE LOAD

As impact forces become more angled (mid-level impacts) less energy is transferred to the barrier and larger weights and speeds can be absorbed.

Glancing impacts are the most common and transfer only a small amount of energy into the

barrier system (**A-SAFE** barriers do not scratch, flake or require repainting). The chart below outlines the maximum forces that the barriers can absorb at varying degrees and acts as a guide to assist you in finding the correct level of protection for your facility.

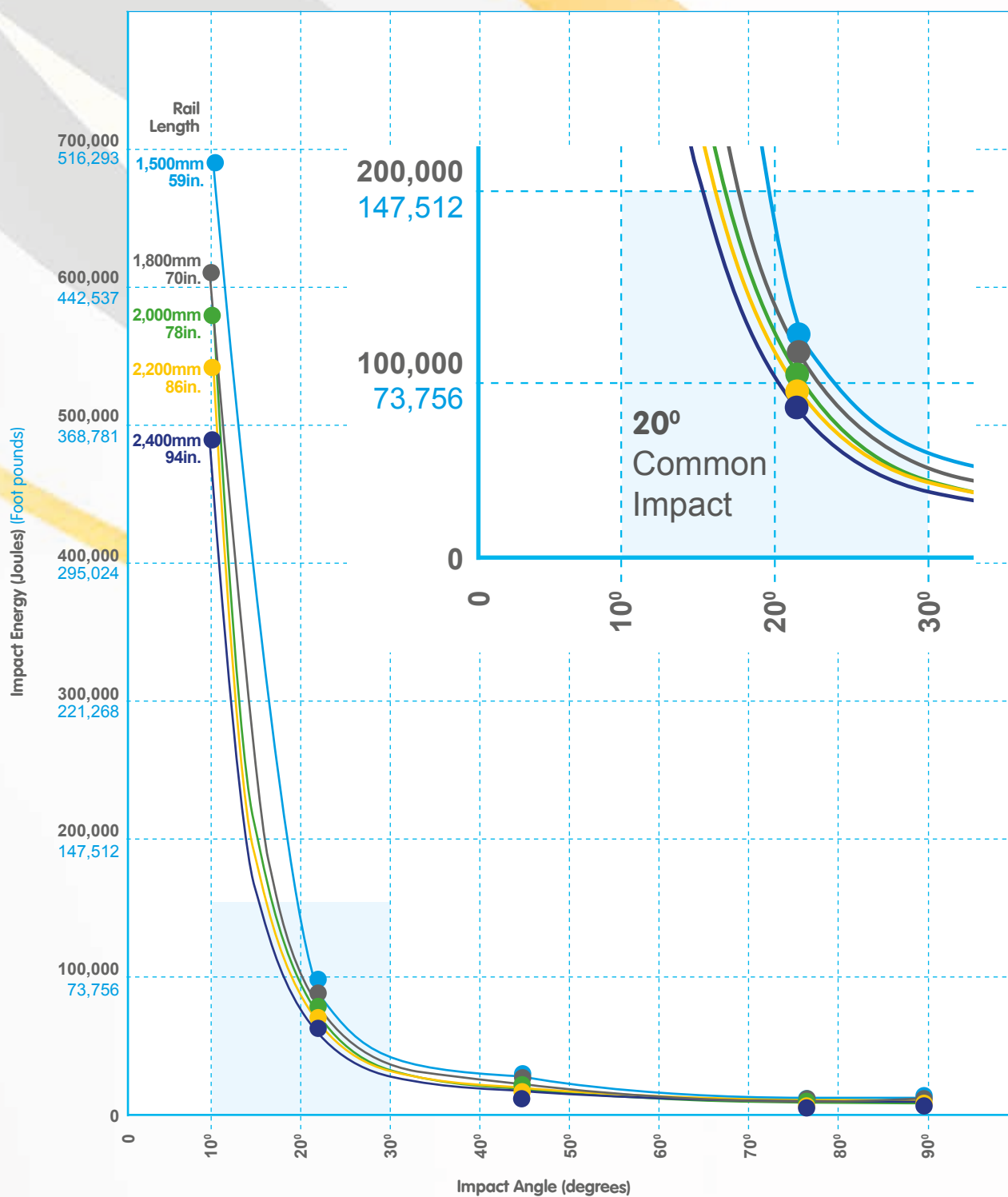
Ultimate Barrier Load (Joules) (Foot pounds)

Barrier Rail Length	Impact Angle Degrees				
	90°	67.5°	45°	22.5°	10°
● 1,500mm 59 in.	14,449 10,657	15,274 11,265	28,898 21,314	98,966 72,993	481,633 355,234
● 1,800mm 70 in.	17,260 12,730	18,245 13,456	34,520 25,460	118,219 87,193	575,333 424,343
● 2,000mm 78 in.	20,072 14,804	21,218 15,649	40,144 29,608	137,479 101,399	669,067 493,478
● 2,200mm 86 in.	18,197 13,421	19,236 14,187	36,394 26,842	124,637 91,927	606,567 447,380
● 2,400mm 94 in.	16,323 12,039	17,255 12,726	32,646 24,078	111,801 82,460	544,100 401,307

Chart describes the ultimate impact force each barrier rail length can withstand at varying degrees.

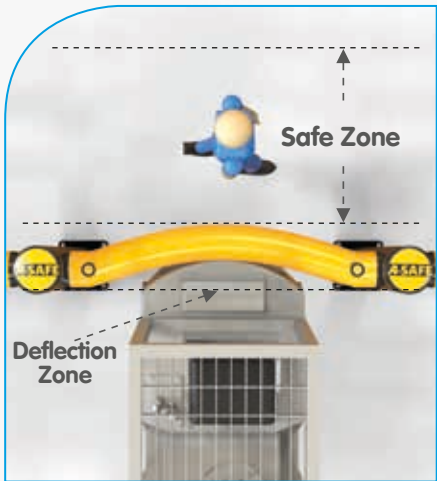


Ultimate Barrier Load (Joules) (Foot pounds)



04 MAXIMUM DEFLECTION VALUES AT ULTIMATE LOAD

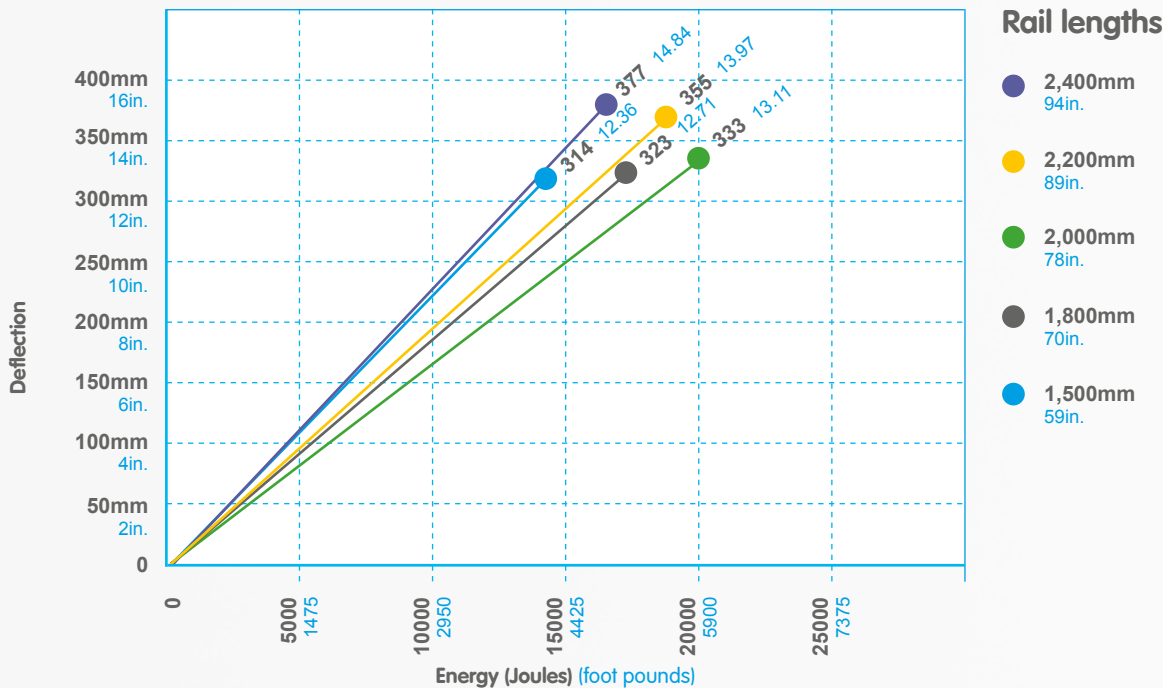
The deflection of the barrier when the load capacity is applied



Barrier Rail Length	Impact Angle / Maximum Deflection (mm) (in.)				
	90°	67.5°	45°	22.5°	10°
1,500mm 59 in.	314 12.36	314 12.36	314 12.36	314 12.36	314 12.36
1,800mm 70 in.	323 12.71	323 12.71	323 12.71	323 12.71	323 12.71
2,000mm 78 in.	333 13.11	333 13.11	333 13.11	333 13.11	333 13.11
2,200mm 86 in.	355 13.97	355 13.97	355 13.97	355 13.97	355 13.97
2,400mm 94 in.	377 14.84	377 14.84	377 14.84	377 14.84	377 14.84

The width of the deflection zone is defined by the maximum load capacity of the barrier at a 90° impact angle.

Ultimate deflection of various barrier lengths at 90° angles of impact



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05 FORCE TRANSFERRED TO FLOOR FIXINGS UNDER ULTIMATE IMPACT LOAD

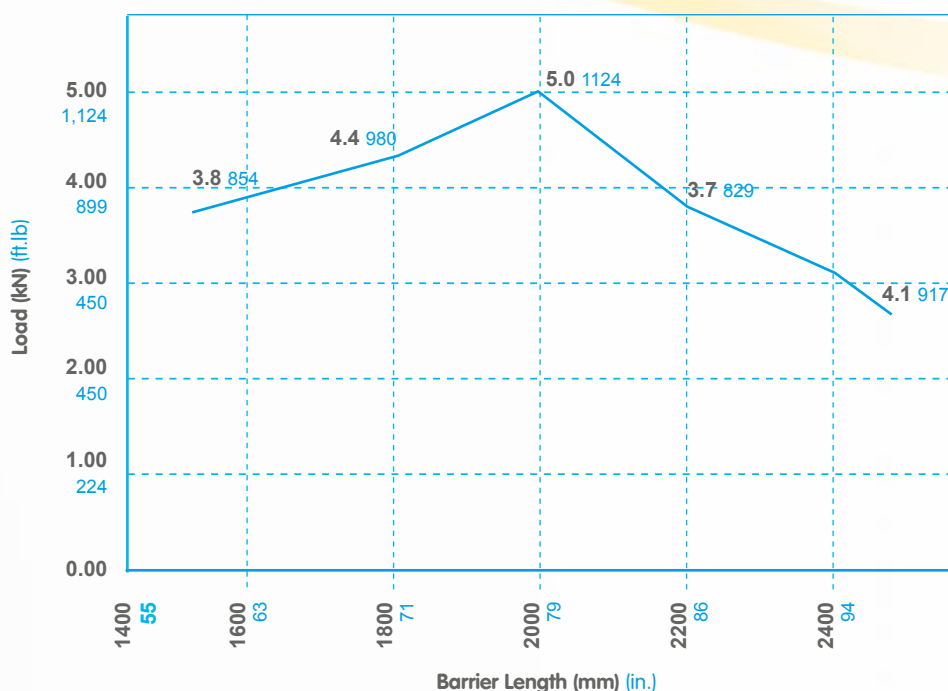
Ultimate load forces that are transferred to fixings after impact at different angles (kN) (ft.lb)

Barrier Rail Length	Impact Angle / Force to Fixings (kN) (ft.lb)				
	90°	67.5°	45°	22.5°	10°
● 1,500mm 59 in.	3.8 854	3.8 854	3.8 854	3.8 854	3.8 854
● 1,800mm 70 in.	4.4 980	4.4 980	4.4 980	4.4 980	4.4 980
● 2,000mm 78 in.	5.0 1124	5.0 1124	5.0 1124	5.0 1124	5.0 1124
● 2,200mm 86 in.	3.7 829	3.7 829	3.7 829	3.7 829	3.7 829
● 2,400mm 94 in.	4.1 917	4.1 917	4.1 917	4.1 917	4.1 917

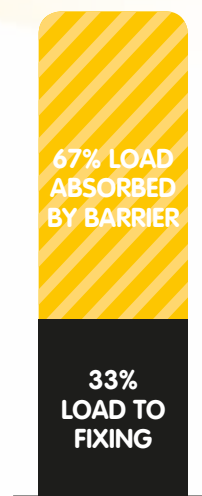
A-SAFE offers a pull out force testing service – please enquire at sales@asafe.com

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The load transferred to fixings - 90° impact (kN) (ft.lb)



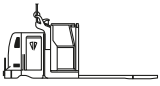
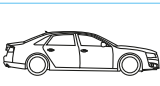
Amount of load absorbed by barrier over amount transferred to fixings



iFlex Double Traffic Barrier⁺

06 SUITABILITY GUIDE

Potential energy of workplace vehicles at different angles and maximum speeds and depicts whether Double Traffic Barrier +1 will be capable of absorbing these forces without failure.

Vehicle Type Fully Laden		Total Weight (kg) (lbs)	Speed (Km/h) (mph)	90° Angle Impact Energy (J) (ft lb)	67.5° Angle Impact Energy (J) (ft lb)	45° Angle Impact Energy (J) (ft lb)	22.5° Angle Impact Energy (J) (ft lb)	10° Angle Impact Energy (J) (ft lb)
Heavy Goods Lorry		36,000 79,366	10 6.2	138,889 102,439	118,549 87,437	69,444 51,220	✓20,340 15,002	✓4,188 3,089
Engine Heavy Duty Forklift Truck		24,000 52,911	23 14.3	468,750 345,732	400,103 295,101	234,375 172,866	✓68,647 50,631	✓14,135 10,425
Heavy Duty Forklift Truck		13,050 28,770	15 9.3	113,281 83,552	96,692 71,316	56,641 41,776	✓16,590 12,236	✓3,416 2,519
Small Lorry		10,000 22,046	10 6.2	38,580 28,455	32,930 24,288	✓19,290 14,228	✓5,650 4,167	✓1,163 858
VNA		8,730 19,246	11 6.8	37,133 27,388	31,695 23,377	✓18,566 13,694	✓5,438 4,011	✓1,120 826
Electric Tow Tractor		8,250 18,188	9 5.6	22,996 16,961	✓19,629 14,477	✓11,498 8,481	✓3,368 2,484	✓693 511
Horizontal Order Picker		3,650 8,047	11 6.8	✓17,039 12,567	✓14,544 10,726	✓8,519 6,284	✓2,495 1,840	✓514 379
Lightweight Counterbalance Forklift Truck		3,570 7,870	12 7.5	✓19,833 14,628	✓16,929 12,486	✓9,917 7,314	✓2,905 2,142	✓598 441
Electric High Reach Truck		3,560 7,848	11 6.8	✓16,619 12,257	✓14,185 10,462	✓8,309 6,129	✓2,434 1,795	✓501 370
Small Van		3,500 7,716	10 6.2	✓13,503 9,959	✓11,526 8,501	✓6,752 4,980	✓1,977 1,459	✓407 300
Electric Pedestrian Truck		2,650 5,842	6 3.7	✓3,681 2,715	✓3,142 2,317	✓1,840 1,357	✓539 398	✓111 82
Electric Pedestrian Stacker		2,350 5,181	6 3.7	✓3,264 2,407	✓2,786 2,055	✓1,632 1,204	✓478 353	✓98 73
Manual Pallet Truck		2,080 4,586	5 3.1	✓2,006 1,480	✓1,712 1,263	✓1,003 740	✓294 217	✓60 45
Car		1,500 3,307	16 9.9	✓14,815 10,927	✓12,645 9,327	✓7,407 5,463	✓2,170 1,600	✓447 329

Angle impact energy = Joules / Foot pounds

These are guideline figures. ✓ Applicable to Double Traffic Barrier +1

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MATERIAL

Material	MEMAPLEX™	MEMAPLEX™ FR
Temperature Range	-10°C to 50°C	-40°C to 30°C
Ignition Temperature	370°C to 390°C	370°C to 390°C
Flash Point	350°C to 370°C	350°C to 370°C
Toxicity	Not Hazardous	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358	Excellent - ISO/TR 10358
Weathering Stability (Grey scale)	5/5*	5/5*
Light Stability (Blue Wool Scale)	7/8**	7/8**
Static Rating (Surface Resistivity)	1015 - 1016 Ω	1015 - 1016 Ω
Carbon Footprint (CO2/metre)	22.47	22.47

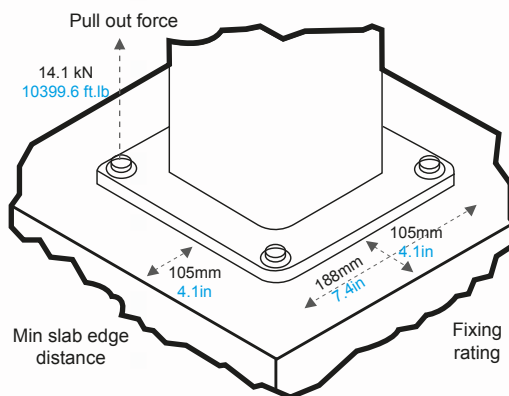
* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

Colour	Approximate closest match	
Standard Yellow	RAL 1007 **	Pantone PMS 123 **
Standard Grey	RAL 9007 **	Pantone PMS Cool Grey 5 **
Standard Black	RAL 9005 **	Pantone PMS Black **

•• Please note that the RAL and Pantone colours listed above are the closest matches to standard A-SAFE colours, but may not be exact matches of the actual product colour and should be used for guidance only.

FIXINGS

Fixings	15mm
Pull Out Capacity	14.1 kN*** 10399.6 ft.lb***
Shear Load Capacity	28.2 kN 20799.2 ft.lb***
No. Per Post	4
Minimum Slab Depth	140 mm 5.5 in
Minimum Slab Edge Distance	105 mm 4.1 in
Installation Torque	40 Nm 29.5 ft.lb
Bolt Spacing	188 mm 7.4 in
Upgrades Available	Stainless Steel, Chemical, Galvanised
Foot Material / Coating	Zinc Nickle & Black E-Coat
***Safety Factor	1.4





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	A-Safe (UK) Ltd	United Kingdom, Head Office
	A-Safe GmbH	Germany, Austria, Switzerland
	A-Safe SAS	France, Suisse Romande, Belgique (Wallonie)
	A-Safe, Inc.	United States of America
	A-Safe ApS	Scandinavian Region, Denmark, Sweden, Norway
	A-Safe B.V.	Benelux Region, Belgium, Netherlands, Luxembourg
	A-Safe Italia s.r.l	Italy
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