

ForkSafe® 400-A

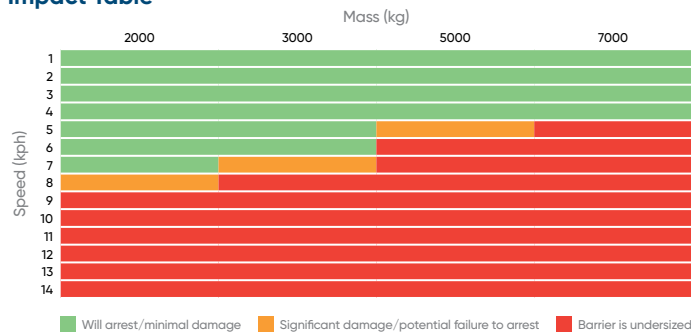
5.85 kJ


Certification

- Impact simulation tested – stops 7T at 4.7km/h
- Meets AS/NZS 1170.1 Section 3.8 – Type F 30kN and Type G 40kN
- Tested in compliance with PAS13 (certification available on request)

IMPACT SIMULATION
Barrier Details

Barrier Type	ForkSafe 400-A
Barrier Height	400mm
Bay Length	2400mm centres
Number of Rails Per Bay	1 set (1 set = 3 rails)
Number of Bays	3

Impact Table

Forklift and Load Details

Mass of Forklift and Speed 90 Degrees	4 Tons @ 6.1 km/h
Mass of Forklift and Speed 25 Degrees	11.5 Tons @ 4km/h
Impact Region	Centre of all rails, 1.5m wide area
Height from Ground	72mm
Concrete Strength	31 MPa minimum
Energy	5850 Joules

Methodology

Model	Plasticity-von mises
Study Type	Linear static structural
Angle of Impact	90 Degrees

Results

Deflection Expected	147mm
Deformation	Permanent

