

Safe Eyes Mesh Goggles Standards Test Impact Levels

	BS EN 1731:2006	AS/NZS 1337	ANSI Z87.1.2010
Diameter of Ball	6 mm	6.35 mm	6.35 mm
Assumed Steel Density	7850 kg/m ³	7850 kg/m ³	7850 kg/m ³
Weight of Ball	0.89 grams	1.05 grams	1.05 grams
Impact Speeds			
Low Impact Speed	45 m/s	12 m/s	45 m/s
Med Impact Speed	120 m/s	45 m/s	NA
High Impact Speed	190 m/s	120 m/s	
Kinetic Energy			
Low Impact Speed	898.91 Joules	75.77 Joules	898.91 Joules
Med Impact Speed	6,392.26 Joules	898.91 Joules	NA
High Impact Speed	16,025.04 Joules	7,577.43 Joules	

As indicated in above table (highlighted) the impact level **SAFE-EYES has passed** for the UK and US standards is **45 m/s** which is equal to the medium impact level for equivalent AS/NZ 1337 standard of **45 m/s**.

AS/NZS safety testing LAB in Australia did not allow for goggles to be tested to medium impact, so could only get tested to low impact.