

Equestrian Standards Helmet Impact Criteria

Test	Standard	Drop Height	Velocity	Peak Linear Acceleration
Flat Anvil	VG1	1.8 m	5.9 m/s	250 g
	PAS015	1.8 m	5.9 m/s	250 g (<225 g over 3 impacts)
	ASTM	1.8 m	5.9 m/s	300 g
	SNELL	2 m	6.26 m/s	300 g
Equestrian Hazard Anvil	VG1	NA	NA	NA
	PAS015	1.3 m	5.4 m/s	200 g
	ASTM	1.3 m	5.4 m/s	300 g
	SNELL	NA	NA	NA
Hemisphere Anvil	VG1	NA	NA	NA
	PAS015	NA	NA	NA
	ASTM	NA	NA	NA
	SNELL	1.6 m	5.6 m/s	300 g
Penetration Test	VG1	50 cm		
	PAS015	50 cm		
	ASTM	NA		
	SNELL	100 cm		
Rigidity Test	Standard	Force	Max Deformation	Residual Deformation
	VG1	600 N	30 mm	<10 mm
	PAS015	800 N	30 mm	<10 mm
	ASTM	NA	NA	NA
	SNELL	1000 N	30 mm	<10 mm

*As of December 2022