

## EN Standard – European Standard EN 1063: 1999 Security Glazing Ballistic Standard

Type	Calibre	Cartridge	Velocity *	No. of shots	Shot Spacing	No. Samples	Test Temp.
BR1	.22 LR	40 grain Lead Round Nose	1048~1214 ft/sec	3	4.3~5.1in Triangle	3	55~73F
BR2	9mm Luger	124 grain Full Steel Jacket Round Nose Soft Core	1280~1345 ft/sec	3	4.3~5.1in Triangle	3	55~73F
BR3	357 Magnum	158 grain Full Steel Jacket Conned Soft Core	1378~1444 ft/sec	3	4.3~5.1in Triangle	3	55~73F
BR4	44 Magnum	240 grain Full Copper Jacket Flat Nose Soft Core	1411~1476 ft/sec	3	4.3~5.1in Triangle	3	55~73F
BR5	5.56 x 45 NATO (.223 Remington)	62 grain type SS109 (Steel Penetrator)	3084~3150 ft/sec	3	4.3~5.1in Triangle	3	55~73F
BR6	7.62 x 51 NATO (.308 Winchester)	147 grain Full Steel Jacket (M80)	2690~2756 ft/sec	3	4.3~5.1in Triangle	3	55~73F
BR7	7.62 x 51 NATO (.308 Winchester)	150 grain Full Copper Jacket Steel Hard Core	2657~2723 ft/sec	3	4.3~5.1in Triangle	3	55~73F
SG1	12 Gauge	478 grain Solid Lead Brenneke Slug (1.09 ounce)	1312~1444 ft/sec	1	4.3~5.1in Triangle	3	55~73F
SG2	12 Gauge	478 grain Solid Lead Brenneke Slug	1312~1444 ft/sec	3	4.3~5.1in Triangle	3	55~73F

\* Velocity tolerance is  $\pm 20\text{m/sec}$ .

Source: [European Standards](#)



[ballistics.com.au](http://ballistics.com.au)