

System Description xxmm = Pile Height xx/xx = Rubber/Sand%	Force Reduction (%)	Vertical Deformation (mm)	Energy Restitution (%)	HIC Critical Fall Height (m)	Gmax
60mm_30/70_240-12	66.3	9.6	33.3	1.33	116
60mm_50/50_240-12	70.3	10.9	35.2	1.42	103
60mm_70/30_240-12	71.3	11.4	35.9	1.41	97
50mm_30/70_240-12	64.8	9.4	32.5	1.35	113
50mm_50/50_240-12	67.3	10.2	34.1	1.27	111
40mm_50/50_240-12	65.0	9.7	36.3	1.10	117

60mm_30/70_240-14C	66.6	9.7	32.2	1.41	111
60mm_50/50_240-14C	70.7	11.0	35.7	1.41	100
60mm_70/30_240-14C	72.0	11.6	35.4	1.47	95
50mm_30/70_240-14C	67.5	10.1	32.9	1.35	112
50mm_50/50_240-14C	68.6	10.4	33.9	1.32	113
40mm_50/50_240-14C	65.7	9.8	36.3	1.20	120

Recommended range

Acceptable tolerance

55-70%	4-11mm	20-50%	1.2 (IRB 1.3)	<160
±5%	±2mm	N/A	N/A	±15g