

Difference in % of test report findings for Impact force reduction at 25degree impact angle from Parallel Cable direction

Test No.	Test Speed (m/sec)	Test Speed (km/hr)	Impact force (kN) Steel post only	Impact force (k/n) Steel post with Cushion	Difference (kN) force	Difference as " Kg of Force"	Differnce in Impact Force as %
1	2.3	8.28	1.6	0.8	0.8	82	50%
2	3.1	11.16	6	2.4	3.6	367	60%
3	4.1	14.76	13.4	5.4	8	816	60%
4	5.1	18.36	16.8	9.8	7	714	42%
5	6.6	23.76	17.5	12.6	4.9	500	28%

Reference Tables

1 m/sec =	3.6 km/hr
1 kN =	101.97 Kilogram force
1 km/hr =	0.621 mph

25 Degree Impact Angle

