

Flex Helmet

Date	Helmet	Location	Angle (deg)	Speed (m/s)	Trial	PLA (g)	PRA (rad/s/s)	Risk (%)	Risk	Exposure	Incidence	STAR Score
120822	FLXC	BACK	40	3.1	1	38.2	2311	0.13	0.001	42.3	0.057	4.55
120822	FLXC	BACK	65	4.9	1	78.2	5509	8.30	0.083	9.2	0.764	
120822	FLXC	BACK	90	6.4	1	104.0	7941	61.64	0.616	2	1.233	
120822	FLXC	FRONT	40	3.1	1	41.7	2127	0.13	0.001	183.7	0.244	
120822	FLXC	FRONT	65	4.9	1	65.2	2678	0.55	0.005	39.8	0.218	
120822	FLXC	FRONT	90	6.4	1	92.9	4220	5.45	0.055	8.9	0.485	
120922	FLXC	FRONTBOSS	40	3.1	1	34.7	2111	0.10	0.001	67.1	0.066	
120922	FLXC	FRONTBOSS	65	4.9	1	63.2	4274	1.83	0.018	14.6	0.267	
120922	FLXC	FRONTBOSS	90	6.4	1	91.4	5228	10.74	0.107	3.2	0.344	
120722	FLXC	SIDE	40	3.1	1	35.4	2164	0.11	0.001	39	0.041	
120722	FLXC	SIDE	65	4.9	1	63.7	3625	1.11	0.011	8.5	0.094	
120722	FLXC	SIDE	90	6.4	1	109.5	6473	38.68	0.387	1.9	0.735	

Guardian on Flex Helmet

120822	FLXG1	BACK	40	3.1	1	21.7	1466	0.03	0.000	42.3	0.014	2.95
120822	FLXG1	BACK	65	4.9	1	58.6	4586	1.97	0.020	9.2	0.182	
120822	FLXG1	BACK	90	6.4	1	97.1	7714	51.21	0.512	2	1.024	
120822	FLXG1	FRONT	40	3.1	1	35.0	1687	0.07	0.001	183.7	0.128	
120822	FLXG1	FRONT	65	4.9	1	62.9	3037	0.67	0.007	39.8	0.266	
120822	FLXG1	FRONT	90	6.4	1	89.5	4628	6.51	0.065	8.9	0.579	
120922	FLXG1	FRONTBOSS	40	3.1	1	31.8	1941	0.08	0.001	67.1	0.051	
120922	FLXG1	FRONTBOSS	65	4.9	1	52.4	3585	0.69	0.007	14.6	0.100	
120922	FLXG1	FRONTBOSS	90	6.4	1	82.4	4810	5.75	0.057	3.2	0.184	
120722	FLXG1	SIDE	40	3.1	1	35.8	2240	0.11	0.001	39	0.045	
120722	FLXG1	SIDE	65	4.9	1	59.3	3444	0.80	0.008	8.5	0.068	
120722	FLXG1	SIDE	90	6.4	1	98.4	5494	16.26	0.163	1.9	0.309	

ProTech on Flex Helmet

120822	FLXPWIM1654	BACK	40	3.1	1	35.4	1295	0.05	0.001	42.3	0.022	1.56
120822	FLXPWIM1654	BACK	65	4.9	1	71.1	3255	1.11	0.011	9.2	0.102	
120822	FLXPWIM1654	BACK	90	6.4	1	98.4	4591	8.72	0.087	2	0.174	
120822	FLXPWIM1654	FRONT	40	3.1	1	29.5	1527	0.05	0.000	183.7	0.089	
120822	FLXPWIM1654	FRONT	65	4.9	1	56.4	2631	0.37	0.004	39.8	0.147	
120822	FLXPWIM1654	FRONT	90	6.4	1	88.9	4091	4.25	0.043	8.9	0.379	
120922	FLXPWIM1654	FRONTBOSS	40	3.1	1	34.0	2061	0.09	0.001	67.1	0.061	
120922	FLXPWIM1654	FRONTBOSS	65	4.9	1	56.5	3677	0.87	0.009	14.6	0.127	
120922	FLXPWIM1654	FRONTBOSS	90	6.4	1	79.5	4822	5.21	0.052	3.2	0.167	
120722	FLXPWIM1654	SIDE	40	3.1	1	37.4	2064	0.11	0.001	39	0.041	
120722	FLXPWIM1654	SIDE	65	4.9	1	62.1	3560	0.99	0.010	8.5	0.084	
120722	FLXPWIM1654	SIDE	90	6.4	1	89.3	5066	8.89	0.089	1.9	0.169	