



TECHNICAL BULLETIN

Tool Lanyard third party drop testing report .

Test Method:

A calibrated weight, noted in the data table was attached to one end of the lanyard (elastic loop end on models with such and carabiner on models with carabiner on both ends). The other end of the lanyard was clipped to a chain that was hoisted approximately double the length of the lanyard from the ground, to prevent the weight from hitting the ground at maximum stretch. The weight was then manually lifted the length of the lanyard above the clip point. This allowed the lanyard to free fall double its length before beginning to stretch. Observations were taken after five drops or when lanyard failed.

Third Party Test Data:

Model	Length	Weight (pounds)	Number of Drops	Observations
3100	Standard	20	10	Elastic Loop - outer elastic covering lightly worn
	Extended	20	10	Elastic Loop - outer elastic covering frayed, carabiner loop bunched up
3102	Standard	10	10	Elastic Loop - outer elastic covering lightly worn
	Extended	10	10	Elastic Loop - outer elastic covering lightly worn
3108	Short	20	10	Elastic Loop - outer elastic covering lightly worn
3110	Standard	20	10	No damage
	Extended	20	10	No damage

Summary:

Based on the results of the testing, Ergodyne has certified each of the above products to a maximum safe working capacity using a safety factor of 2. Therefore, the maximum safe working capacity ergodyne lists for each item is half the weight in the above test data. Please reference the below chart for exact information.

Maximum Safe Working Capacity:

Model	Description	Maximum Safe Working Capacity
3100	Squids® 3100 Single Carabiner	10 Pounds
3102	Squids® 3102 Detachable/Single Carabiner	5 Pounds
3108	Squids® 3108	10 Pounds
3110	Squids® 3110	10 Pounds