

Button Pull Test SOP for Apparel Industry

Introduction of Button Pull Test

Button pull test is used to determine the pulling strength of any type of button and snaps used in garments. It is also used to determine the holding or breaking strength of prong ring attached snap fasteners onto garments to ensure button can be fixed on the garments properly.

Consists of an *Upper Snap Clamp*, a *Lower Fabric Clamp*, and Force Gauge mounted on a Stand. The snap component is gripped by the Upper Snap Clamp and the garment is fixed to the lower Fabric Clamp and by turning the Top Flywheel an operator can apply a specific force and the holding force. The breaking strength can be recorded. Pull test is mandatory for any types of garments product use button.

Types of Button Used in Garments

Generally, four types of button use in most of the Garments, and pull test is needed for all types of button:

1. Plastic
2. Shank
3. Snap
4. Rivet

You can also read

- [Different Types of Button for Clothes](#)
- [Snap Button Pinch Setting](#)

Button Pull Test Machine Calibration

Need to calibrate machine at least once in a week by supplier m/c calibrating tools. A specific template uses to calibrate machine to find out the accuracy of machine by pulling that in machine of known weight.

Button Pull Test Procedure

For pull test, you will always need to follow the buyer requirement pulling strength. If a buyer does not give any requirement, then you can follow your company's own procedure.

The Standard procedure is continues pulling 15 (second) in 93.4 /no. weight for all attaching components like button, rivet, eyelet, snap etc. If any item fails, then that should be removed from production and separated as reject.

Pull test should be done five pieces from each style 2 time every day and keep record and documents for every test.

Pull Testing Requirement

Name of Button	Weight			Time (Seconds)
Collar button	Newton	Kg	L.B.S	10 (Seconds)
Placket button	93.4 NEWTON	9.52 k.gs	21 L.B.S	
Down button				
Pocket button				
Cuff button				
Waist Band Button	93.4 NEWTON	9.52 k.gs	21 L.B.S	10 (Seconds)