Zipper Life Tester

Description

Zipper Tester, also named Zipper Reciprocating Fatigue Tester, is designed to determine the resistance to reciprocation of the zipper (slide fastener), the test specimen is subjected to a specified number of cyclic operations whilst under lateral and longitudinal tension. Zipper Tester complies with EN 16732-5.7, QB/T 2171, etc. Please contact us for more information about the pull test procedure.

Application

Zipper Reciprocation Fatigue Tester, is designed to determine the resistance to reciprocation of the zipper (slide fastener), such as a metallic zipper, coil zipper, nylon zipper, and plastic zipper. When carrying out the zipper test, the test specimen is subject to a specified number of cyclic operations whilst under lateral and longitudinal tension.

The Zipper Tester catches the head of the zipper to do the reciprocating movement at a constant speed for 30 times per minute. The tester automatically stops the test when the counter reaches a specified number of times. Equipped with a sensor, the machine will stop automatically before the zipper is broken.

Test Method

1- Prepare test apparatus and zip specimens (250mm or more) according to standard requirements at first.
2- Rub the front and back side of the zip specimen with paraffin wax several times respectively.
3- Check the tester so that the pull tab jig remains in the lower position and fix the zip.
4- Apply different loads to different zips according to the standard.
5- Start the tester and complete the specified number of passes or until the specimen breaks, then record the test results.

Specifications

- According to BS 3084
- Spring balances of 100N and 50N
- Speed of 30 cycles/minute
- Digital cycle indicator

BS 3084 Slide fasteners (Zips) – Test for Resistance to Reciprocation / Testing Equipment