

# IS 9873 (Part 1):2019

## RESOTECH SHARP EDGES TESTER

### MODEL NO. RESOTECH TTM-107



Sharp Edge Tester used to determine that metal or glass edges on toys and other articles intended for use by children under 8 years of age, and such edges exposed in normal use or as a result of reasonably foreseeable damage or abuse of such toys and articles, present a potential risk of injury by laceration or avulsion.

### **Test principle:**

The steel shaft used to simulate children's fingers needs to be hardened. The surface Rockwell hardness should be no less than 40, the surface roughness should not be greater than 0.40 microns, and the diameter should be  $9.35 \text{ mm} \pm 0.12 \text{ mm}$ . A layer of simulated artificial skin tape was applied perpendicularly to a steel shaft wrapped with simulated artificial skin glue with a force of 6 N (1.35 lb). The steel shaft was constant tangent at  $23 \text{ mm/sec} \pm 4 \text{ mm/sec}$ . The speed is rotated for one week. Check the edge of the test to cut (cut) the simulated artificial skin adhesive paper. If cut (cut), the tested edge is defined as a potentially dangerous sharp edge.

## Specification:

Model No.	RESOTECH TTM-107
Size	(L*W*H)29*19*10CM
Weight	3.5KG
Speed	1.00±0.08 IN/S
Fixed Force	1.35LB
Material	STAINLESS STEEL
Standard	ASTM F963 4.7, EN 71-1 8.11, 16 CFR 1500.49, ISO 8124-1 5.8, IS9873

