

Indian Standards Summary Writings

Shuttlecocks — Specification

A shuttlecock, essential in badminton, consists of a rounded cork base attached to 16 feathers (Natural feathers or synthetic materials), arranged in a cone shape, or a synthetic skirt for durability. This aerodynamic design gives the shuttlecock stability and a unique, controlled flight path, which slows quickly after being hit. National Standards are developed to manufacture high-quality shuttlecocks for ensuring their weight between 4.74 and 5.98 grams, with feathers lengths between 62 and 70 mm long aligning with the requirements of Badminton World Federation. This standard helps in maintaining consistency and fairness in gameplay, ensuring reliable flight and balance for competitive matches.

This standard was first published in 1953 and subsequently revised during the years. In the third revision, a provision was made to allow the use of synthetic materials besides natural feathers namely white duck straight feather or white goose straight feather.

The mentioned specification covered two grades i.e Grade 1 (used for Competition Level) and Grade 2 (used for recreation, practice, training, intermediate and other playing levels). Further the requirements of dimension, weight, construction and workmanship, materials (cork & feathers etc.), pace and flight test are covered under the technical specification of the Shuttlecock to ensure the reliability, quality and purposefulness along with the sustainability of the product.