

# Eddie, The Senior Year

## Appendix II

### Dimensions of Field Implements

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The field implements, i.e., the shot-put, javelin, hammer, and discus have required dimensions and tolerances associated with them. The following are simplified criteria used for Miss Amherst's discussion in the chapter *The Spring Season*. The cross-sectional surface area is a two, not three, dimensional entity used to calculate air resistance.

#### **Shot-Put**

Diameter: 120 millimeters

Weight: 16 pounds

Cross-sectional surface area: 11,304 mm<sup>2</sup>

#### **Discus**

Diameter: 219 mm

Height: 40-45 mm height

Weight: 2 kilograms

Cross-sectional surface area (45 mm height): 9,855 mm<sup>2</sup>

#### **Hammer**

Diameter: 110-130 millimeters

Weight: 16 pounds

Cross-sectional surface area (120 mm diameter): 11,304 mm<sup>2</sup>

#### **Javelin**

Diameter: 25-30 mm

Length: 2.6 to 2.7 meters

Weight: 800 grams

Cross-sectional surface area (30 mm diameter): 706 mm<sup>2</sup>