

---

## Sharpness test

Toys when tested for strength must not produce sharp edges or points

Toys intended for children under 36 months must not have sharp edges or points

Driving mechanisms within large toys must be so enclosed that they do not expose sharp edges or points

Anything that covers the face i.e. masks, goggles or face shields must not have sharp edges or points.

### Testing in industry

#### **Sharpness of edges**

A self adhesive tape is attached to a mandrell which is rotated for a single 360° along the edge being tested.

The mandrell must be at 90° to the edge, a force of 6N is used.

Remove the tape from the mandrell. Measure the length of the cut. If the cut is more than 50% of the length of edge tested then the edge is classed as too sharp.

#### **Sharpness of points.**

A special point tester is used.



### Testing in school

Sharpness of edges. Wrap some self adhesive tape around a thick metal rod. Pull it gently along the edge of the part, if it cuts into the tape then it is too sharp.

#### **Sharpness of points**

Use the same test as above.

Your results should be recorded, a conclusion drawn and a decision made.

