



Air Nipper (Small • Medium)

► How to select nipper

The air nipper is selected by material and cut diameter (cut area: mm²) of gate.

1. Check the material of cut gate and sprue.

soft resin

PVC (Poly vinyl chloride), PEs (polyester),
PE (polyethylene), PS (polystyrene), etc

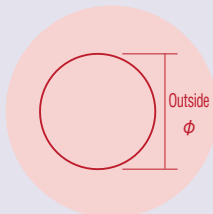
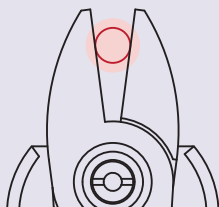
Hard resin

PP (polypropylene), PMMA (acrylic),
PC (polycarbonate), ABS, Nylon,
POM (polyacetal), glass fiber resin, etc

* Cannot be used with copper/iron wire.

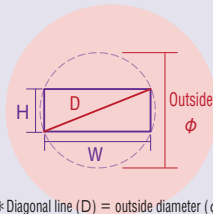
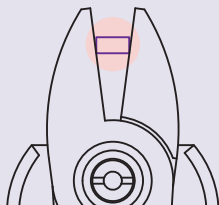
2. Check cut diameter (cut area).

■ To cut round gate



Select the nipper referring to the
specification table (right):
**Approximate cutting section diameter (φ) >
outside diameter of gate.**

■ To cut square gate

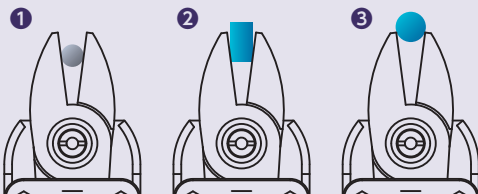


* Diagonal line (D) = outside diameter (φ)

Select the nipper referring to the
specification table (right):
**Approximate cutting section diameter (φ) >
Gate maximum width (D).**

* Cutting guide: (mm²) > H × W

■ Gate cutting is impossible when:



- ① Gate is not made of resin.
- ② Gate (H) is longer than blade.
- ③ Gate (H) is greater than blade opening.

When gate made of hard resin is cut:

- Cutting capacity will decrease by 35%.
- Select the blade with brazed cemented carbide tip.

● Product temperature when the product is cut may influence the finishing state. ● Cutting guide value is for reference.