Tool geometry

A tool can generally be defined as follows;

Shank
The shank is held by the collet. You need to know the shank diameter
to select the correct collet.

Cut Diameter
This is the diameter of the cutting area of the tool -i.e. the width of the cut it will produce.
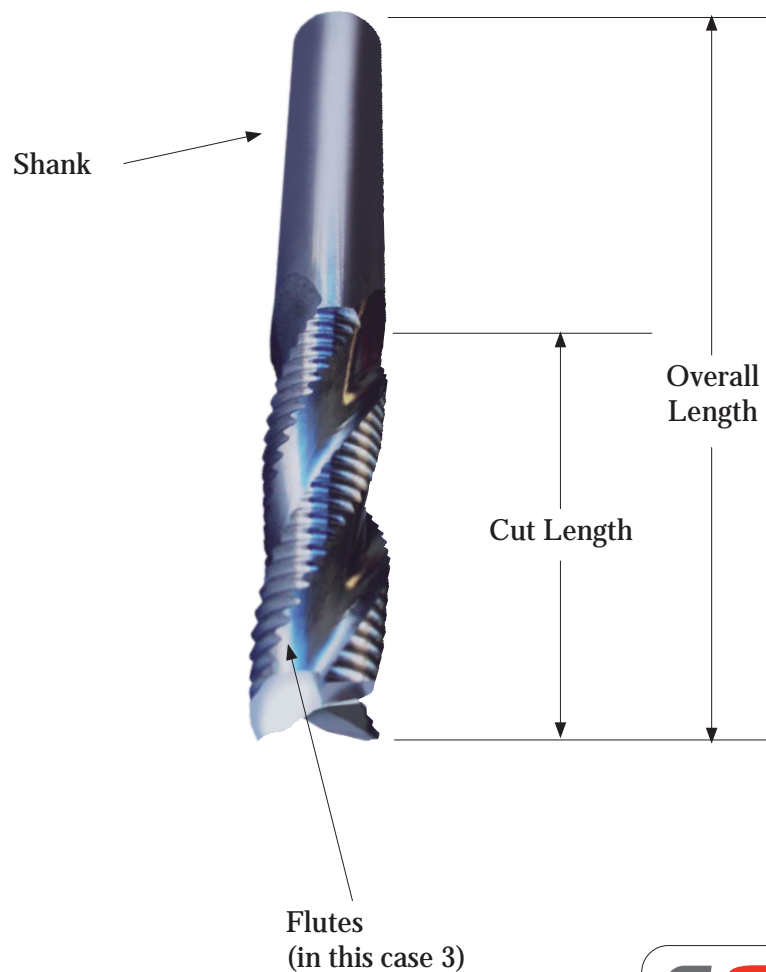
Length of Cut
This is the effective cutting depth of the tool - i.e. how deep it can cut.

Overall Length
This is the overall length of the tool - i.e. the shank + the cut length.

Flutes
This is the number of flutes on a tool - i.e. number of cutting edges

Shank

Overall
Length

Cut Length

Flutes
(in this case 3)

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