

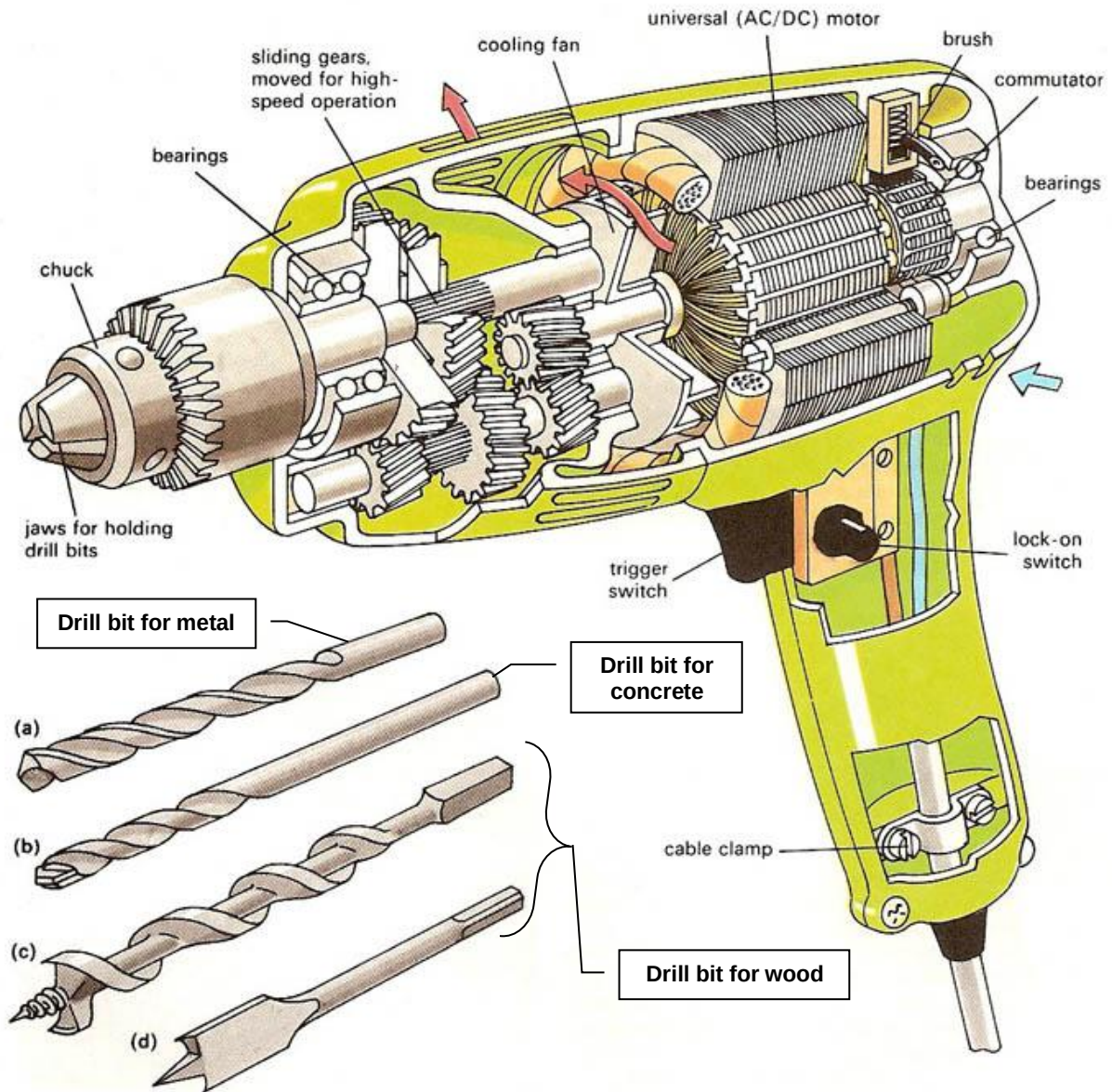
Goal: know the main vocabulary about a hammer drill and be able to describe how it works.



Fig1 : [video hammer drill](#)

1. Part one of the video (00:00 → 00:40)

✂ Watch the first part of the video twice. Which components are mentioned? Underline them on the cutaway.



✂ True or false? Justify

☐ ☐ Breaking apart a hammer drill is safe.
Justification:

☐ ☐ The hammer drill that is presented can only pierce wood.
Justification:

2. Part two of the video (01:00 → 01:39)

✎ Watch the second part twice and fill in the blanks while and after listening (one blank = one word).

Push that _____ and the _____ starts. It can attain the speed of _____ revolutions per minute. This _____ engages the first _____, a small gear that transmits the rotary motion to the _____ second gear. Attached to the end of the second gear the chuck assembly now has _____ and _____ to turn the drill bit. The drill bit is a _____, with a _____ motion. Its helicoidally shape also allows it to clear away the bits of _____. As it turns it pushes away the debris which climbs up the _____ until it's removed from the hole.

In this part, what kind of material does the hammer drill pierce?

3. Part three of the video (01:39 → 02:58)

✎ Watch the video and tick the words that you hear.

no way	drill bit	precaution	percussion
hole	movement	casing	case in
access	axis	metallic	motor
model	gear	ridges	bridges
falls back violently	flows back vigorously	over and over again	other and other again
jack hammer	better	butter	

✎ What kind of material is being pierced now?

✎ What is the correct translation of "ridges"?

- ☐ bords ☐ dents ☐ creux

✎ Fill in the blanks to give the definition of "percussion mode"

"To pierce _____ the drill must _____ it to _____ it."

"At maximum speed, that's more than _____ impacts per minute."

"A real _____ that cracks the concrete."

✎ Translate into French the following passage.

To engage the percussion mode, move the selector switch and that moves a plate with a hole in it.

This movement aligns the hole with the second gear's axis.

The casing drops a few fraction of an inch down onto the axis.

The ridges at the back of the gear insert themselves into the ridges of the metallic plate above.

Squeeze that trigger switch and the motor starts. That turns the first gear which turns the second gear.

The ridges at the back of the second gear slide along the metallic plates ridges.

This moves the casing away.