



Maintenance of circular saw blades

For whom ?

Beginners who are handling approved sharpening and who are willing to revise their know-how and skills regarding saw blades in sharpening.

Staff in charge of cutting tools' handling.

Scope

The trainee will be able to provide to the maintenance of saw blades defined in the training program.

Method

The training combines theory and practice through training books, showings, valuation of skills achieved during training.

Program

Module 1 : Wood sawing mathematics and tools' sharpening

Thickness of chips, cutting speed, rotation speed, Progress speed, chips' volume, cutting angles, Assembly tension, engine power, choice of pullies.

Module 2 : Characteristics of circular saw blades

Determining of the blade : diameter, thickness, number of teeth,
Different parameters to examine, cutting speed, angles, height and shape of teeth.

Module 3 : Saw blades handling

Sawing, delimitation, simple and multi blades, double trees, pressure blades.

Module 4 : Preparing of circular saw blades' body

Planing and tensioning.

Module 5 : Circular saw blades setting

Setting, alloy tipping, carbide tipped

Module 6 : Circular saw blades sharpening

Choice of sharpening machine, choice of wheels, transactions, top grinding.

Module 7 : Control tools

Rules for planing and tensioning,
Planing hammers – tensioning, micrometers,
Setting tools, wheels, stones to cut, wheels to plane

Module 8 : Practice of circular saw blades sharpening

→ Preparing of the blade's body

Cleaning of blades, control and achievement of planning,
Control and achievement of tensioning with hammer and tensioning machine

→ Setting

Manual and automatic setting,
Manual and automatic alloy tipping, preparing of teeth before brazing (carbide tipped)
Re-tipping of different sharpening machines
Modification, sharpening of carbide tipped blades and blades with Forestell-tipped teeth
Sharpening of setted blades

→ Sawing material

Different models, the required power, carriage, pressure blades, flanges, blade-carrying trees.