

Files and how to work with them

Use a special saw chain round file for sharpening. Standard round files are unsuitable. For the order number, see "Accessories".

Type 086, 686: File the first cutter half with a 4,8 mm dia. round saw-chain file, then switch to a 4,5 mm dia. file.

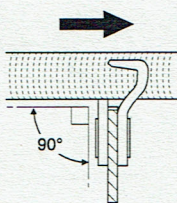
Type 093, 099: File the first cutter half with a 5,5 mm dia. round saw-chain file, then switch to a 4,8 mm dia. file.

The file should cut only when pushed forwards (arrow). Lift the file when leading it backwards.

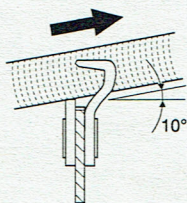
First sharpen the shortest cutter. The length of this cutter is then the standard for all other cutters of the chain.

New saw teeth must be filed to the exact same shape as the used teeth, including on their running surfaces.

File depending on chain type (90° or 10° to the guide bar).



Chain type
093



Chain type
086, 686, 099

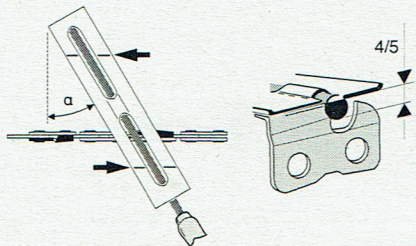
A file holder makes file guidance easier. It is marked for the correct sharpening angle of:

$\alpha = 25^\circ$ (686, 099)

$\alpha = 30^\circ$ (086)

$\alpha = 35^\circ$ (093)

(keep the marks parallel with the chain when filing, see illustration) and limits the cut depth to the correct 4/5 of the file diameter. See "Accessories" for the order number.



After having sharpened the chain, the height of the depth limiter must be checked by means of a chain gauge. See "Accessories" for the order number.

Correct even the smallest excess height with a special flat file (1). See "Accessories" for the order number.

Round off the front of the depth limiter (2).

