

Caring for your chain

Typical chain damage and its causes

You can prevent damage to the chain and the chain saw only by inspecting your chain regularly. The following list shows some typical cases of damage to the chain which can occur if the chain is not tensioned correctly.

Major wear on the rear running face of the cutting teeth and on the opposite tie straps

Cause: Blunt cutting edge dropping too steeply to the rear, chain too slack, depth gauge possibly also too low.

Prevention: Sharpen cutting teeth correctly, tension chain correctly.

Major wear on the running face of all chain links

Cause: Chain tensioned excessively, depth gauge too high, blunt cutting edge with excessively small filing angle and therefore excessively high pressure on the guide bar.

Prevention: Sharpen cutting teeth correctly, tension chain correctly.

Cracks under the rear rivet hole of the cutting teeth and of the opposite tie straps

Cause: Blunt cutting edge dropping too steeply to the rear, with the result that too much pressure is applied when cutting.

Prevention: Sharpen cutting teeth correctly, tension chain correctly.

Battered bar rails at the inlet at the top and at the end of the sprocket nose at the bottom; underside of bar is wavy. Chain does not run smoothly, wear increases rapidly.

Cause: Chain too slack for a long time, unserviceable.

Prevention: Retension chain regularly.

For advice and service, you can of course also consult your STIHL dealer.

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