Changing Main Saw Blade

How to change the main saw blade on a Stuga machine

| 🎛 Difficulty **Medium** | 🕐 Duration **10 minute(s)** |

Contents

Introduction

Stuga recommends this blade be changed after 1-2 weeks of cutting - symptoms to determine if the blade needs changing:
- Awful cutting sound / smell
- Profile dragging (sizes too short)
- Brown burnt swarf
- Smoke coming out of profile end while cutting

> ⚠ ...The 500mm blade is sharp and can be awkward to manouver out of the saw, please be careful

Items

🛒 Spanner 24mm

🛒 D0005207 Stuga Flange C Spanner

Use protective handwear

Warning of sharp objects

Hand injury

Step 1 - Stop Cutting

Make sure you have stopped cutting and nothing on the machine is moving - press an emergency stop button to ensure this.

Step 2 - Open the door

See the tutorial:
https://stuga.dokit.app/wiki/Autocut_Open_Guard_Doors

Step 3 - Loosen Blade

Using the saw blade 'C' spanner and the 24mm spanner, loosen and remove the main bolt going through the centre of the saw blade - anti-clockwise to loosen.

Step 4 - Remove Fastening

Once the bolt is loose; remove the bolt, washer and plate.

> 📌 ...Remember which order they are in, as this is the order they must go back on.

Step 5 - Remove Blade

Now carefully remove the blade, with this blade being 500mm it will be tight. Ensure you take note of which way the blade spins.

> ℹ️ ...The blade cutting direction at the top is towards the rear of the machine

Step 6 - Fit New Blade

Fit the new blade ensuring the teeth are facing the same way it was removed

Step 7 - Refit Bolt, Plate and Washer

Now fit the plate, washer and bolt ensuring it's tight

Step 8 - Measure new blade thickness (Kerf)

Measure the thickness of the brand new or sharpened blade - this should be between 3.8mm - 4.1mm

Step 9 - Update kerf Parameter

Through the winSaw software go into '[F5] Settings' and update the 'Kerf' parameter to what the blade thickness is.
Press 'Save'.

Step 10 - Close the door

Press '[F10] Reset Saw', now close the main door and ensure it will not open and that the 'Guard' message clears

Step 11 - Reset Estop

Reset the emergency stop circuit by unlatching emergency stop buttons and pressing the physical blue 'ES RESET' button