



**Q: Is there still the Dynamic Safety Clutch in the tool?**

Yes it is. As the name tells, it is a necessary safety feature required by international, technical standards.

**Q: What is the difference between Dynamic safety clutch and Ramset Rotation Control?**

The safety clutch limits the static torque of the tool. For that reason, the tool holder disconnects temporarily from the running motor. This is a required **safety** feature.

The RRC System prevents the tool from rotating around the drill bit even if the torque limit is not reached. This is done by automatically braking the motor. This is a **comfort** feature.

Despite these features, the tool must be held tight on both handles!

**Q: How does the Ramset Rotation Control work?**

If the RRC System detects a critical rotation of the tool around the drill bit, it cuts the Power supply of the tool and switches the motor in to the brake mode. During braking, the motor is used as generator. The whole operation is finished after a maximum rotation of 180 degrees (or less, depending on the situation) of the tool around the drill bit. After this “emergency” braking, the tool has to be restarted again by pulling the trigger.

**Q: When will the RRC System be activated?**

The RRC System monitors the angular velocity of the tool rotation around the centre of the drill bit. If this angular velocity exceeds a certain activation level (round about 16 rpm), the RRC System will start the “emergency” brake.



**Q: Why is the activation level set to this value?**

From beginning of the tool rotation, the braking operation lasts typically round about 0.2 seconds to full stop of the motor. During the first circa 100 milliseconds the angular velocity of the tool rotation is raising (the tool accelerates around the drill bit). To ensure that the tool stops after a rotation of maximal 180 degrees even in unfavourable conditions, the activation level is set to its specific value mentioned above.

**Q: Why the RRC System sometimes brakes when it is not necessary**

In some cases, especially while drilling deep or big holes with a lot of dust inside the hole, it may happen that the drill bit temporarily blocs inside the hole and the tool shakes around it with an angular velocity similar or above the activation level for the RRC System. In case this happens to often, pull the Drill bit out of the hole (and thereby remove the dust blocking it).

**Q: Will the RRC System be active during chiselling?**

No, the RRC System is not active during chiselling. There is a sensor inside the tool, which detects if the tool is in drilling or in chiselling mode. This detection is done within the first second after starting the tool.

Be aware that the RRC System is always active unless it detects the chiselling mode.

**Q: Is it possible to deactivate the RRC System manually?**

No. It is not possible to deactivate the RRC System manually.