

# Tyrolit Cutting Pro Competition

## Rules 2023

Status: 22.03.2023

### **1) General**

- 1.1 Rules 2023 is the binding Rulebook for all qualifications of the Tyrolit Cutting Pro Competition Series in the period 1 January 2023 – 31 December 2023.
- 1.2 In the following text, persons who participate in a competition of the Tyrolit Cutting Pro Competition are designated as a “participant”. The company, which acts as the organiser of the Tyrolit Cutting Pro Competition, is designated in the following text as the “organiser”. The organiser can be the Tyrolit Construction Products GmbH or one of its subsidiary companies. For each competition of the Tyrolit Cutting Pro Competition, the organiser will be explicitly named in the respective Participation Agreement.
- 1.3 Rules 2023 stipulates the procedure for each competition of the Tyrolit Cutting Pro Competition Series and defines, above all, the tasks and obligations of the participants, as well as those of the respective organiser.
- 1.4 Participants can only participate in a Tyrolit Cutting Pro Competition in the designated period expressly under the conditions of the Rules 2023.
- 1.5 In the event of a contravention of the Rules 2023, the organiser of a Tyrolit Cutting Pro Competition reserves the right to disqualify the participant with immediate effect for the whole competition. In that case, the participant has no entitlement to claim repayment or reimbursement of costs that are incurred in connection with the participation.
- 1.6 The organiser and Tyrolit Construction Products GmbH reserve the right to cancel or postpone individual competitions of the Tyrolit Cutting Pro Competition. In that case, the participants will be notified in good time.
- 1.7 Tyrolit Construction Products GmbH reserves the right to amend the Rules 2023 at any time. Organisers and participants will, in that case, be notified about the new rules in good time.

### **2) Competition general regulations**

- 2.1 The organiser reserves the right not to allow individual participants to take part in a competition of the Tyrolit Cutting Pro Competition. This can occur, amongst other things, when it is obvious before the start of the competition that the participant does not meet individual obligations of the Rules 2023. Exclusion can also occur, however, without stating the reasons.
- 2.2 The organiser or Tyrolit Construction Products GmbH shall appoint a judge who is responsible for the regulated and fair conduct of the competition and for compliance with the regulations of the Rules 2023.
- 2.3 The judge is the first contact person in the event of protests. The judge can make a decision about the protest immediately on the spot, or alternatively through a protest resolution procedure after the competition. In each case, the judge can involve other individuals (e.g. personnel of the organiser, members of the competition organisation, etc.) when making a decision about the protest. A protest must be lodged 15 minutes after the end of the competition, at the latest.

- 2.4 The organiser must take all necessary measures to ensure the safety of the participants, employees and spectators during the whole event. This includes, amongst other things:
- Provision of hearing protection in sufficient numbers for all spectators, employees and participants.
  - Properly executed maintenance of machines and tools.
  - etc.
- 2.5 The organiser shall provide the machines, the tools and the concrete material for the competition. The organiser shall take care to ensure fair and uniform conditions, as well as trouble-free conduct of the competition.
- 2.6 The number of participants is limited for each Tyrolit Cutting Pro Competition. If there are more than 26 applications for a competition, the organiser reserves the right to choose the 26 participants through a selection process. The selection can be made, for example, through obligatory qualification contests (organisation, selection method and applicable conditions are defined by the organiser) or by drawing lots. The selection process can be regulated differently from country to country.
- 2.7 In addition to the 26 participants, the organiser can invite 2 further registered applicants to the Tyrolit Cutting Pro Competition as reserve participants. If invited participants are prevented from attending on the day of the competition, reserve participants can take part as substitutes.
- 2.8 Tyrolit Construction Products GmbH shall ensure that insurance is provided for the competitions of the Tyrolit Cutting Pro Competition Series in general, and specifically for the participants, employees and spectators (third-party liability insurance, accident insurance).

### **3) Obligations of the participant**

- 3.1 The participant is obliged to comply with all points of the Rules 2023.
- 3.2 The participant must have practical experience and sufficient technical knowledge in the use of the machines and tools with the designated materials. The machines, tools and materials are defined in detail under the Points: Wall sawing discipline, Core drilling discipline and Hand sawing discipline.
- 3.3 Before the start of the competition, the participant must sign the Participation Agreement for this competition of the Tyrolit Cutting Pro Competition Series.
- 3.4 The participant must have personal insurance at the time of the competition (third-party liability insurance, accident insurance and medical insurance) which covers the risks of a participant in the competition.
- 3.5 On the day of the competition the participant must be well rested, in good health and of sound constitution. The taking of alcohol, medications, which impair the ability to react quickly, or drugs is prohibited and will lead to immediate exclusion from the competition.
- 3.6 The participant must attend the briefing meeting arranged by the organiser, which takes place at the competition venue two hours before the start of the competition.
- 3.7 The instructions of the organiser's personnel must be strictly followed without fail, both before and after the actual competition.
- 3.8 The participant must behave in a sporting and fair manner during the whole event. This also means that no negative remarks shall be made with regard to the organiser / the competition / the sponsors or their products.

#### **4) Liability**

- 4.1 The participant takes part in the competition of the Tyrolit Cutting Pro Competition at his/her own risk and on his/her own responsibility.
- 4.2 The organiser as well as his employees and assisting personnel are liable only in the case of harmful behaviour through wilful intent or gross negligence.

#### **5) Participant's clothing and protective equipment**

- 5.1 The Tyrolit Cutting Pro Competition T-shirt provided by the organiser must be worn so far as possible during the whole event – i.e. also before and after the actual competition.
- 5.2 The participant is obliged to wear the following items of clothing and protective clothing during the competition:
  - Work shoes with integral steel cap to protect the toes
  - Hearing protection when executing the competition disciplines
  - The additionally prescribed protective equipment for each discipline (see Points: Wall sawing discipline, Core drilling discipline and Hand sawing discipline)
- 5.3 The participant's clothing and protective clothing may only show the following brands, logos or texts:
  - The brand Tyrolit and the brand Cutting Pro Competition
  - Imprints of the organiser of the Tyrolit Cutting Pro Competition
  - Logo / name of the company where the participant is employed
  - The brand of the clothing manufacturer, if the company is not in competition with Tyrolit or its products
- 5.4 The wearing of brands, texts or products which are in competition with the services and products of Tyrolit Construction Products GmbH is expressly forbidden.
- 5.5 The participant is responsible for his/her own personal protective equipment.
- 5.6 The organiser shall decide whether the clothing and the protective equipment correspond to the stated requirements. If the organiser does not accept the participant's clothing or protective equipment, participation may nevertheless take place if the participant uses clothing or protective equipment that is provided by the organiser, instead of the rejected clothing or protective equipment.

#### **6) General points on execution of the disciplines**

- 6.1 There are two participants on the stage competing in parallel in the same discipline. Except for an odd number of participants.
- 6.2 The pairing of the participants – and therefore also the order of participation – is resolved for each discipline during the briefing meeting before the competition.
- 6.3 All participants carry out, first of all, the Wall sawing discipline. For all participants, this is followed by the Core drilling discipline and finally by the Hand sawing discipline.
- 6.4 In each discipline, the performance of each individual participant is timed. Between the disciplines, the stage is re-arranged and cleaned (this is not included in the competition time, however).
- 6.5 Diamond tools are provided and these are prepared to a uniform condition for all participants.
- 6.6 An overview of the stage structure can be obtained from the sketch in Appendix A1

#### **7) Wall sawing discipline**

- 7.1 Unit: Tyrolit WSE1621 (electric, 21kW, Stage 825)  
Wall saw head: Tyrolit HYDROSTRESS WSE1621  
Blade guard: Tyrolit HYDROSTRESS blade guard 800mm, 3-part  
Wall saw blade: Tyrolit PREMIUM WSL, Ø 825 mm Silent, segment width 4.4 mm

- 7.2 Protective equipment – obligatory:
- Work shoes with integral steel cap to protect the toes
  - Hearing protectors
- 7.3 Cut in concrete: Concrete block laid horizontally  
Length of cut: 125 cm  
Depth of cut: 20 cm
- 7.4 Starting position:
- Wall saw fully mounted on rail.
  - The swivel arm of the wall saw is aligned vertically upwards. The wall saw head is parked at the maximum position to the right or left, on the rail.
  - Wall saw blade mounted.
  - Blade guard attached with marking on the rear for sink depth of 10 cm.
  - Participant stands on the stage behind the wall saw, remote controller is draped around.
- 7.5 Procedure:
- On the signal of the presenter, the unit is started up and the water feed to the wall saw blade is opened (wall saw blade and wall saw head must not be moved).
  - Start signal from the presenter: The time starts to run.
  - The concrete slab must be separated in minimum one cut.
  - As soon as the concrete slab has been completely separated, the time can be stopped by hand using a stop switch positioned on the stage.
  - If the stop switch is pressed too early, 30 seconds will be added to the achieved performance time.
  - After the end of the Wall saw discipline (this means after cutting off the slab or after exceeding the maximum time of 4:00 minutes) the participant hands over the remote controller as quickly as possible to one of the organiser's employees (at this time, the participant should not switch off the unit).
- 7.6 Criteria:
- At all times, the participant must remain with all parts of the body positioned behind the wall saw system. The permitted area of movement for the participant is the raised part of the stage, excluding the wall saw/concrete block. If the participant exceeds the permitted movement area, his unit will be immediately stopped and his time for this discipline will be determined as 4:00 minutes.
  - The cut surface of the concrete must be smooth at the end of the cut. If the concrete slab breaks off prematurely, the cut must nevertheless be continued to the end. If the cut is not fully executed and the cut surface is not smooth for a length of more than 20 cm, a penalty of 60 seconds will be added to the achieved performance time.
  - If the participant moves the wall saw blade or the wall saw head before the start signal, a penalty of 30 seconds will be added to the achieved performance time.
  - The maximum permitted time for cutting off the concrete slab is 4:00 minutes.

## **8) Core drilling discipline**

- 8.1 Drill motor: Tyrolit HYDROSTRESS DME33  
Drill rig: Tyrolit HYDROSTRESS DRA250  
Drill bit: Tyrolit PREMIUM CDL, Ø 102 mm
- 8.2 Protective equipment – obligatory:
- Work shoes with integral steel cap to protect the toes
  - Hearing protectors
- 8.3 Protective equipment – recommended:
- Goggles

- 8.4 Drilling in concrete: Concrete block standing upright, drilling is carried out horizontally  
Drilling depth:20 cm  
concrete, 90° to the drilling direction
- 8.5 Starting position:
- The dowel, as well as the dowel bolt for fixing the drill rig, is installed. The centre of the drill hole is marked on the concrete with a cross. Next to this, limiting lines for the drill hole are drawn on the concrete approx. 5 cm outside the drilling diameter.
  - Drill rig, drill motor (water hose and electric power cable connected) and drill bit are lying separately on the stage floor in front of the concrete block. Assembly tools (spanners, fixing bolts, etc.) are lying nearby.
  - Participant stands upright behind the machine and the tool.
- 8.6 Procedure:
- Start signal from the presenter: The time starts to run.
  - Drill rig, drill motor and drill bit must be assembled separately on the concrete. The water feed must be regulated.
  - A hole must be drilled through the concrete at the marked position.
  - As soon as the drill bit has completely drilled through the concrete, the time can be stopped by hand using a stop switch positioned on the stage. This is also indicated by means of a visual signal. If the stop switch is pressed too early, a 30-second penalty will be added to the competition time.
- 8.7 Criteria:
- In the event of a premature start, the participant concerned receives a 30-second penalty (added to the achieved performance time in this discipline). The judge decides whether the discipline is to be re-started or not.
  - The drill bit may only be touched and moved by hand when the drill motor is switched off. If the drill bit is touched while the motor is running, the power supply for this motor is immediately disconnected and the participant's time for this discipline is determined as 4:00 minutes.
  - No deviations of the drill hole from the marked position are allowed. However, if the drill hole overlaps with the edge of the concrete block or with an earlier drill hole or with one of the marked limiting lines, then the participant's time for this discipline is determined as 4:00 minutes.
  - The maximum permitted time for finishing the drill hole is 4:00 minutes.

## **9) Hand sawing discipline**

- 9.1 Ring saw: Tyrolit HRE410  
Ring saw blade: Tyrolit Ringsaw blade 406 mm
- 9.2 Protective equipment – obligatory:
- Work shoes with integral steel cap to protect the toes
  - Hearing protectors
  - Goggles
- 9.3 Protective equipment – recommended:
- Protective work gloves
  - Work trousers or work apron, dirt-repellent
- 9.4 Cut in concrete: Concrete pipe laid horizontally (pipe centre point approx. 60 cm above the stage floor)  
Wet cut: water feed on the concrete pipe (not over cut-off saw)  
Pipe diameter external: approx. 26 cm, internal: approx. 20 cm  
No iron in concrete pipe

- 9.5 Starting position:
- The ring saw is lying at an angle of 90° to the concrete pipe, between the concrete pipe and the concrete block for wall sawing. The ring saw blade points towards the external wall of the marquee.
  - Participant stands upright behind the ring saw (this means the participants stand back to back).
- 9.6 Procedure:
- Participants stand behind the concrete pipe with the hands placed on the concrete pipe (all fingers must lie on the concrete pipe, the first phalanx of the finger must lie over the centre marking on the pipe).
  - The participant must be positioned with both feet clearly standing on the defined side, next to the marked line on the floor: in the case of right-handed participants (right hand on the power regulator): left of the line, in the case of left-handed participants (left hand on the power regulator): right of the line.
  - Start signal from the presenter: The time starts to run.
  - Take over the running machine.
  - The concrete pipe must be cut in the indicated area, whereby the cuts in the concrete must be executed from top to bottom.
  - As soon as the (last part of the) concrete ring falls to the floor and the cut surface is therefore smooth, the time can be stopped by foot using a stop switch positioned on the stage. This is also indicated by means of a visual signal. If the stop switch is pressed to early, up to 30-penalty seconds will be added to the competition time.
- 9.7 Criteria:
- If the concrete pipe is cut with the ring saw during the warm-up phase, the judge shall decide before the actual start of the discipline whether the participant has gained an advantage from this. In that case, the participant will receive a 10-second penalty (added to the achieved performance time in this discipline) and the judge will define a new area where the concrete pipe must be cut through.
  - In the event of a premature start, the participant concerned will receive a 10-second penalty (added to the achieved performance time in this discipline). The judge shall decide whether the discipline is to be re-started or not.
  - If a participant does not stand in the defined area next to the marked line on the stage floor during the warm-up phase or during the execution of a cut in the concrete, the judge will immediately give a clear stop signal to this participant. The participant must immediately shut off the machine; the performance time of this participant will be determined as 1:30 minute. If the stop signal is disobeyed, the participant will be disqualified for the whole competition.
  - If the cut is executed in the concrete pipe from bottom to top, then the participant concerned will receive a 10-second penalty (added to the achieved performance time in this discipline).
  - If the cut is not executed in the indicated area, then the participant will receive a 10-second penalty (added to the achieved performance time).
  - At the end of the cut, the ring saw must be immediately shut off.
  - The maximum permitted time for finishing the cut is 1:30 minute.

## **10) Determining the winner**

- 10.1 The official time for each participant in each discipline will be displayed on the LED screens on the stage. In the event of an error with this time display, the time recorded in parallel with the hand stopwatch shall be the valid time.
- 10.2 Winner of the Tyrolit Cutting Pro Competition is the participant with the best total time. In the event of an equal time, the participant who, in more disciplines, has achieved a

shorter individual time is the winner. Also for the other position rankings, the individual times determine the placement of the participants.

- 10.3 The award ceremony will take place on the stage after completion of the last discipline by the last competition pair.
- 10.4 The winner will be awarded the title (National) “Cutting Pro Champion” and all participants will receive a participation certificate.
- 10.5 **The two best participants from each country qualify for the final of the Tyrolit Cutting Pro Competition on 21 February 2024 in Hall in Tyrol, Austria. If one of the finalists is prevented, the third place winner will advance, etc.**

**A1) Sketch of the stage**

