

# **STRENGTH & ENDURANCE**

19.1.2024

Rules & regulations for National & Nordic Championships 2024

By Nordic Assembly

## Sisällysluettelo

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## 1. ORGANIZER CONTACT INFO

#### NORDIC ASSEMBLY

## **Suomen Street Workout**

Finland

suomenstreetworkout@gmail.com

http://www.suomenstreetworkout.fi

#### Representative

Tomi Vuorinen +358 40 5191516

## **Calisthenics Norway**

Norway

nm@calisthenicsnorway.no

http://www.calisthenicsnorway.no

Representative

Lone Christensen

+47 46 932536

Lars Hauge

+47 94 102006

### **DCSWF**

Denmark

info@dcswf.dk

http://www.dcswf.dk

#### Representative

David Nguyen

+45 27 995500

## Contact information for Swedish athletes

info@calisthenicsforbundet.se

http://www.calisthenicsforbundet.se

**Contact person** 

Jakob Fogelklou

+46 70 9301799

# 2. DEFINITION OF STRENGTH & ENDURANCE DISCIPLINE

In Strength & endurance category, the athlete must perform certain number of repetitions in certain bodyweight exercises within the time limit. Time limit for each athlete is 7 minutes.

The fastest time will determine the winner.

The exercises will be performed in the order listed below.

#### **NATIONAL REQUIREMENTS**

MEN		WOMEN	
Muscle up	(6)	Pull over	(4)
Pull up	(14)	Pull up	(10)
Dip	(20)	Dip	(15)
Leg raise (parallel bars)	(15)	Leg raise (parallel bars)	(12)
Pistol squat	(12) per leg	Pistol squat	(12) per leg
Pull up	(12)	Pull up	(8)

#### NORDIC REQUIREMENTS

MEN		WOMEN	
Muscle up	(8)	Pull over	(5)
Pull up	(16)	Pull up	(10)
Dip	(24)	Dip	(15)
Leg raise (parallel bars)	(20)	Leg raise (parallel bars)	(15)
Pistol squat	(14) per leg	Pistol squat	(14) per leg
Muscle up	(4)	Pull over	(3)

## 3. EQUIPMENT

Most used equipment measurements:

High bar - H: 2100-2400m, W: 1600-2000m, D: 30-33mm (Measurements can vary)

Parallel bars – H: 1200-1500mm, W: 550-650mm, D:40-48mm (Measurements can vary)

Box – H: 700mm, W: 600mm, D:500mm (Measurements can vary)

## 4. CLOTHING & GEAR

Clothing needs to be appropriate so that the judges are able to see the joints and the movements of the athlete clearly.

**Upper body:** T-shirt/top or tight technical shirt **Lower body:** Shorts and/or tight technical trousers

Feet: Closed shoes, sneakers

NOT ALLOWED Gloves, gymnastics straps, leather grips NOT ALLOWED Knee wraps NOT ALLOWED Open shoes, sandals, crocs

ALLOWED Knee warmers
ALLOWED Elbow sleeves
ALLOWED Wrist wraps

## 5. EXTERNAL COMMUNICATION

Only athletes, judges and staff are allowed in the competition area.

## 6. PERFORMANCE / JUDGING

## **General information**

Each athlete will perform the exercises in the same order as presented in the discipline introduction (2. Definition of Strength & Endurance discipline).

The total time limit for this performance is 7 minutes.

In each exercise the number of repetitions must be completed. For a repetition to count toward the total, the range of motion criteria must be fulfilled.

Time penalty will be applied to any exercise if range of motion criteria is fulfilled but the technical criteria is not. The amount of the time penalty is +10 seconds per repetition to the athlete's total time.

The discipline is judged by three officials.

# 7. EXECUTION CRITERIA FOR EACH EXERCISE

## Muscle up

Picture 1: Start



Picture 2: Top



Picture 3: Finish



#### REP CRITERIA (Range of motion):

Starting position: Hanging in full lockout in shoulder & elbows extended.

**Top position:** On top of the bar, elbows extended.

Finishing position: Hanging in full lockout in shoulder & elbows extended.

#### TECHNICAL CRITERIA:

- o Both elbows crossing the bar simultaneously.
- o Athlete not hitting the structures.
- Knees extended.

#### STRUCTURES IN THIS EXERCISE:

- Standing box (Height: 60cm) placed 30 cm behind the bar.
- Wall (Height: 120 cm) placed 70 cm in front of the bar.

## **Pull over**

Picture 1: Start



Picture 2: Top



REP CRITERIA (Range of motion):

Starting position: Hanging in a full lockout in shoulder & elbows extended.

**Top position:** On top of the bar, elbows extended.

Finishing position: Hanging in a full lockout in shoulder & elbows extended.

#### TECHNICAL CRITERIA:

o Both elbows crossing the bar simultaneously.

o Athlete not hitting the structures.

o Knees extended.

#### STRUCTURES IN THIS EXERCISE:

• Standing box (Height: 60cm) placed 30 cm behind the bar.

## Pull up

Picture 1: Start



Picture 2: Top



Picture 3: Finish



#### REP CRITERIA (Range of motion):

**Starting position:** Hanging in a full lockout in shoulder & elbows extended.

**Top position:** Chin above the bar horizontally & vertically.

Finishing position: Hanging in a full lockout in shoulder & elbows extended.

#### **TECHNICAL CRITERIA:**

o Athlete not hitting the structures.

o Knees extended.

Graph for the appropriate crossing of the bar with the chin.

The athlete needs to clearly cross the bar with the tip of their chin horizontally and vertically.



#### STRUCTURES IN THIS EXERCISE:

- Standing box (Height: 60cm) placed 30 cm behind the bar.
- Wall (Height: 120 cm) placed 70 cm in front of the bar.

# Dip

Picture 1: Start



Picture 2: Bottom



REP CRITERIA (Range of motion):

Starting position: Leaning on hands, elbows extended.

Bottom position: Flexion on elbow. Highest point of the shoulder below the highest point of the elbow.

Finishing position: Leaning on hands, elbows extended.

#### **TECHNICAL CRITERIA:**

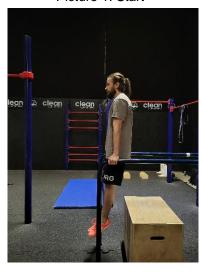
- o Athlete not hitting the structures.
- o Knees extended.
- o Middle of the hand placed on the middle of the tape marker.

#### STRUCTURES IN THIS EXERCISE:

- Box no. 1 (Height: 60 cm) placed 30 cm in front of the tape marker.
- Box no. 2 (Height: 60 cm) placed 30 cm behind the tape marker.

# Dip bar leg raise

Picture 1: Start



Picture 2: Top



Picture 3: Finish



#### REP CRITERIA (Range of motion):

**Starting position:** Leaning on hands, elbows extended. Hands placed on a tape. Heel behind the marker on the ground.

**Top position:** Feet above the parallel bars completely.

**Finishing position:** Leaning on hands, elbows extended. Hands placed on a tape. Heel behind the marker on the ground.

#### **TECHNICAL CRITERIA:**

- o Athlete not hitting the structures.
- Hips not passing the box.
- o Knees extended.
- Elbows extended.

#### STRUCTURES IN THIS EXERCISE:

• Box (Height: 60 cm) placed 20 cm in behind the tape marker.

## **Pistol squat**

Picture 1: Start



Picture 2: Bottom



Picture 3: Finish



#### REP CRITERIA (Range of motion):

**Starting position:** One foot on the box, the other hanging freely. Knees extended. **Bottom position:** Flexion on supporting leg, Hip below the parallel line from top of knee. **Finishing position:** One foot on the box, the other hanging freely. Knees extended.

#### **TECHNICAL CRITERIA:**

- o Athlete not hitting the structures or the ground.
- o Athlete not holding into anything with their hands.
- o Heel staying flat on the box.
- o Free leg knee extended.

#### STRUCTURES IN THIS EXERCISE:

• Box (Height: 50 cm).

Graph showing the example of the hip going below parallel from the top of the knee can be found in 1RM document.

## 8. COMMUNICATION & COMMANDS

## START of the performance

Athlete arriving to the stage will have their preparation time before starting their performance. When the athlete is ready to start, they will signal to the head judge.

When the signal is given, the 10 second timer will start preparing for the performance. During this time the athlete **CAN NOT** touch the bar but will remain ready to start their performance.

After 10 seconds, a sound can be heard, and the timer will appear. After the sound athlete can grab the bar and start their performance.

## DURING the performance

If the athlete fails to perform a correct technique on an exercise, a time penalty is applied to the athletes performance and a command is given.

Command is specifying the issue in athletes' technique. For example, "KNEE".

The commands can be found on an external document:

"Verbal Command listing for 1RM, Power and Strength & Endurance".

If the athlete fails to perform the required range of motion criteria, the repetition will not count towards the total count and a "NO REP" command is given.

### FINISHING the performance

The athlete's performance is finished when:

- Once the last repetition of the last exercise is performed, and the time will then stop.
- If the total time given to athlete runs out.
- Athlete decides to interrupt their performance by signaling to the judges.

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