

CYBATHLON 2024

Leg Prosthesis Race



CYBATHLON

Points

Pilots can achieve 10 points per tasks with a maximum of 100 points per run.

Scoring

Pilots with the highest score and best time are rank best.

Competition rule

Blue surfaces are only allowed to be stepped on with the prosthetic leg.

Inclusion criteria

Pilots with an above knee amputation of at least one leg.



Tasks

1. BALANCE BEAM

Task: Pick up and carry two buckets to a target area while walking across narrow wooden beams.

Test: Ability to maintain body balance when climbing on a step or walking on a narrow path.



2. STAIRS

Task: Ascend and descend a flight of stairs multiple times while carrying objects.

Test: Ability to carry objects while ascending and descending stairs.



3. STEP OVER

Task: Stride through a group of wooden crates while carrying objects in the hands.

Test: Ability to lift and precisely control foot placement to avoid items on the floor.



4. SLOPES

Task: Carry a series of objects from one side of a slope to the other.

Test: Ability to control ankle movements while walking on a tilted surface.



5. BENCH & TABLE

Task: Sit on the bench close to the table without touching the red poles.

Test: Ability to angle knee to get into tight spaces.



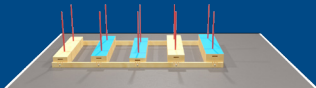
6. WOBBLY STEPS



Task: Walk over a series of wobbly stones.

Test: Ability to walk on movable ground.

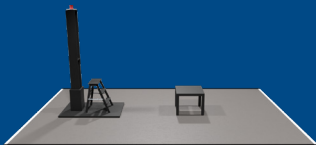
7. HIGH STEP



Task: Negotiate a quasi-random sequence of wooden boxes that vary in height and length.

Test: Ability to adapt step length and keep balance while adjusting for different heights.

8. LADDER



Task: Ascend and descend a stepladder with feet in specified spots and balancing an object in the hands.

Test: Ability climbing up and down a stepladder.

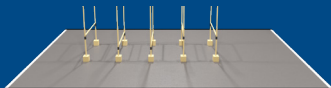
9. CROSS COUNTRY



Task: Walking across stones and pick up and put down objects.

Test: Ability to accurately control the position of the foot and keep balance while bending forward.

10. HURDLES



Task: Pass between the poles without knocking down poles or bars.

Test: Ability to step over and crouch to pass over and under objects.

CYBATHLON LEG



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STADTKLOTEN