Dimension requirements for floorball stick

KNOB

BINDING GRIP

SHAFT

GRIP LINE

BLADE

max 1140

max Ø 35

375 ± 20

min R 6

min 2

max 40

SHAFT STRAIGHTNESS TEST

max 50

u-beam

max 50

RISE Research Institute of Sweden
Chemistry and Materials Technology
Section for Polymer Technology
Box 857
501 15 BORÅS, Sweden

Title
Floorball stick

SPCR 011-09e
Dimension requirements for floorball stick blade

CHECK OF PENETRATION DEPTH

max 20

BLADE HEIGHT MEASURING DEVICE

\[ 25 \times 2 \times 80 \]

\[ r_2 \times r_2 \]

max R 270

min R 2

max 12

min 8

max 72

min 80
Dimension requirements for floorball ball

72±1

10±1

c

c/2±2

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Title
Floorball ball

Drawn by LÅH
Inspected by
Approved by
Remarks

Replaces 930924, ver 2
Version 3

SPCR 011-11e
Description

Dimension requirements for floorball goal

Appendix 12

OVERALL VIEW

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Title
Floorball goal

SPCR 011-12e
Equipment for measuring blade penetration depth and concavity depth

MEASURING DEVICE FOR BLADE PENETRATION DEPTH

max penetration depth

Akrylic plastic (PMMA)

Ø 50

MEASURING DEVICE FOR BLADE CONCAVITY DEPTH

ADJUSTABLE HOLDING DEVICE

MILLIMETRE SCALE

Ø 72

100

2

5

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Title
Equip. for penetration and concavity depth

SPM 1506-14e

Drawn by
L-Å H

Inspected by

Approved by

Remarks

Replaces 930924, ver 2

Version 3

Drawing no.
951115
Floorball stick blade dimensions

CHECK OF PENETRATION DEPTH

Ø 50

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Title

Floorball stick blade

Drawn by

L-ÅH

Remarks

Replaces

050103, ver 4

Version

5

Drawing no.

SPM 1506-16e
For connection to load cell mounted in universal testing machine.

Adjustment screws for locking of rig.

Bearing radius 15.5

Ca. 200 mm

Ca. 150

Remain ing tension set after deflection.
Equipment for impact test

PLEXIGLASS

WEIGHT 35G 10 g

R 7

STICK SHAFT

150

1000±5

Title

Impact test

Drawn by: LÅH

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Drawing no.

SPM 1506-18e
Equipment for discoloration test

Discoloration Test Disc

Section A - A

30

Spring
C = 3.5 x 10^6 N/m

Mounting Device for Blade

Shock Absorbing Material

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Title
Discoloration

Drawn by L-Å H
Inspected by
Approved by
Remarks

Replaces 930924, ver 2
Version 3

Drawn 951115
Drawing no.

SPM 1506-19e
Floorball ball dimensions

Diagram showing the dimensions of a floorball ball:
- a: major diameter
- b: minor diameter
- c: depth of holes
- d: width of the hole

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Title: Floorball ball

Drawn: 951115
Drawing no.: SPM 1506-20e
Equipment for ball rebound test

Drop gate
Hole $\varnothing = 73 \pm 0.5$ mm

$H = 1.23(T - K_f)^2$
$1.23 = g/8$
$T = t_2 - t_1$, time between first and second bounce
$K_f =$ correction factor
Floorball goal dimensions

OVERALL VIEW

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Section for Polymer Technology
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Title
Floorball goal

SPM 1506-22e
Floorball rink dimensions

PLAYING SURFACE

TOP EDGE RADIUS

EDGE RADIUS

Title
Floorball rink

Drawn by L-Å H

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Box 857
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Replaces 951115, ver 3
Version 4

Drawing no.
SPM 1506-23e
Equipment for impact test on face mask

Impact Height Eye
Impact Height Side
Impact Height Mouth

Impact Position Side
Impact Position Eye
Impact Position Mouth

Face Mask

Max 600 mm

Puck Accelerator
Velocity: 10 m/s

Eye Level
Mouth Level
Dummy Head

Base

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Title
Face mask

Drawn by LÅH
Inspected by
Approved by
Remarks

Replaces 930924, ver 2
Version 3

Drawn 951115
Drawing no.

SPM 1506-24e
The other plastic materials/laminates are limited to specific area of maximum 1/3 of the total blade area.

The largest single open area of the other plastic materials/laminates is limited to 5 cm².

The other plastic materials/laminates shall not cover the entire upper part of the blade horizontally. The ability to twist and hook the blade must be maintained.

The other plastic materials/laminates may not be placed closer to the blade edge (playing surface) than the thickness of the lower blade frame or a minimum distance of 4 mm.

Total blade area: Area inside the blue line.

The drawing is just showing an example of possible placement of the other plastic material/laminates.