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

max 50

max 50

u-beam

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

Title
Floorball stick

Drawn by LÅH

Drawn 110919

SPCR 011-09e
Dimension requirements for floorball stick blade

- Max R 270
- Min R 2
- Max 80
- Min 72
- Max 12
- Min 8
- Max 270
- 60°

CHECK OF PENETRATION DEPTH

BLADE HEIGHT MEASURING DEVICE

- Max 20
- Ø 50
- 25
- r 2
- 80
Dimension requirements for floorball ball
Dimension requirements for floorball goal

OVERALL VIEW

R 100±20
400 ±50
200 ±25

1600 ±2
650 ±20
1150 ±2

Ø 20±2

Ø 32±1

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Title
Floorball goal

Drawn by
LÅH

Drawn
090903

Replacing
060315, ver 6

Version
7

SPCR 011-12e
Dimension requirements for floorball rink

PLAYING SURFACE

min R 17.5

max 6

TOP EDGE RADIUS

EDGE RADIUS

2±2

R 2000 ±500
MEASURING DEVICE FOR BLADE PENETRATION DEPTH

max penetration depth

Akrylic plastic (PMMA)

MEASURING DEVICE FOR BLADE CONCAVITY DEPTH

ADJUSTABLE HOLDING DEVICE

MILLIMETRE SCALE

RISE Research Institute of Sweden
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Title
Equip. for penetration and concavity depth

Drawn by
L-Å H

Inspected by

Approved by

Remarks

Replaces
930924, ver 2
Version
3

951115

Drawing no.
SPM 1506-14e
Floorball stick dimensions

Description

KNOB
BINDING GRIP
SHAFT
GRIP LINE
BLADE

SHAFT STRAIGHTNESS TEST

max 50
u-beam

Drawn by LÅH

RISE Research Institute of Sweden
Chemistry and Materials Technology
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Title
Floorball stick

Drawn 110919
Drawing no. SPM 1506-15e

Replaces 090702, ver 6
Version 7
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

U-BEAM

REMAINING TENSION SET
AFTER DEFLECTION

max 6
Equipment for impact test

Dimensions:
- Weight: 350 ± 10 g
- Width: 150 mm
- Height: 1000 ± 5 mm

Materials:
- PLEXIGLASS
- STICK SHAFT

[Diagram of equipment setup for impact test]
Floorball ball dimensions
H = 1.23(T-K_1)^2
1.23 = g/8
T = t_2 - t_1, time between first and second bounce
K_1 = correction factor
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

PUCK ACCELERATOR
Velocity: 10 m/s

EYE LEVEL
MOUTH LEVEL
DUMMY HEAD

BASE

RISE Research Institute of Sweden
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Box 857
501 15 BORÅS, Sweden

Title
Face mask

Drawn by
L-Å H

Inspected by

Approved by

Remarks

Replaces
930924, ver 2

Version
3

Drawn
951115

Drawing no.

SPM 1506-24e
Equipment for net size test on face mask
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.

Min 4 mm.

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.