

SUBJECT: ASTM F15 Juvenile Product Committee Week

DATE OF MEETING: May 21-23

PLACE OF MEETING: San Diego, CA Hyatt

LOG ENTRY SOURCE: Kevin Lee (ESMC)

COMMISSION ATTENDEES: In-person (all meetings): Kevin Lee (ESMC)

NON-COMMISSION ATTENDEES: Contact ASTM for attendee list.

SUMMARY OF MEETING:

Monday, May 21, 2018:

F15.09 Home Playground Equipment

The subcommittee discussed how the previous items are in the process of being integrated into the standard. They are only waiting on the graphics. The subcommittee discussed the limited available playground data provided by CPSC staff. They believe that one of the deaths were related to a suicide.

The subcommittee then discussed about modifying the slide bed measurement. Additional slide specifications and cross sectional view of the slide width and rail height are needed since the design and cross sectional views of the slides in the standard are needed. Some slides are made with a curved geometry, and require a point of reference to measure the wall height. The width in the additional diagram being added to the figure are based off of the 95% 4.5-5.5 year old/ 9.5-10.5 year old hip breadth from <https://math.nist.gov/~SRessler/anthrokids/>. The subcommittee suggested adding a graphic similar to that found in the public playground standard to help with the illustration of the measurement shown below.

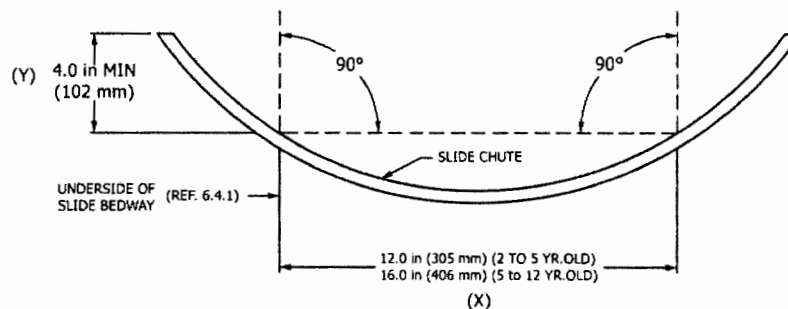


FIG. A1.23 Formula for Minimum Vertical Sidewall Height
Reference Paragraphs 6.4.1 and 8.5.4.5(1)

The group discussed about incorporating the fish probe test from the public playground standard. For the topic about force requirements on rope type climbers with changing clearances i.e. flexible climber have angles that change. (This item is still in process and is being tabled for when Dave Dick comes back).

New Business

3 members think the tolerances in section 6.6 for crush and shear points are too tight and proposed to get rid of the tolerances in 6.6/8.2.3.1 and suggest to use the tolerances in 1.6.1. They think the two sections are inconsistent with each other and the tolerances in 1.6.1 are adequate. Neoprene rods are able to be purchased off the shelf with the parameters in section 1.6.1.

In addition, there was a proposal to define what a hand support is, so section 6.10 will be changed. The group believes it has always been the intention that hand supports included hand gripping and grasping components.

The next meeting is scheduled for November 5th in the Washington DC Hilton from 9a-5p.

Tuesday/Wednesday, May 22/23, 2018

F15.29 Playground Equipment for Public Use

The group gave a summary of the previous ISO TC83 WG8 in Australia. The ISO group was looking at maintenance, inspection, impact attenuation testing, and harmonization of probes.

The subcommittee had discussion about defining what a balance beam is. In addition, regarding upper body equipment fall height, the subcommittee had discussion about changing the fall height of the hand grasping section of a group pipe with a loop vs a horizontal ladder as it would be harder for a child to get on top of the linear round pipe with loop overhead equipment. The working group requested injury data with the keywords: Upper body equipment, overhead ladder, horizontal ladder, and monkey bar from 1983-1993 and from 2007 to current by the next meeting. Finally, there was initial discussion on whether a play mound should require a use zone/overlapping use zones. The reference in 9.8.2 now has an updated figure a1.45 which shows a better illustration about placement of equipment and circulation.
