



## Expression Swing™

Designed with Standards in Mind

As a leader in the design of commercial playground equipment, GameTime continually studies and observes play behavior on public playgrounds. Every day, on playgrounds around the world, we observe a common swinging behavior involving adults and children under the age of four, that is inappropriate:

*A parent or adult caregiver sits in a strap or board swing seat and places a child in his or her lap. This can create an unsafe condition as neither the adult or the child is seated properly in the swing seat. This increases the risk of fall and/or potential injury. However, many parents prefer this form of “adult assistance” because they are able to participate in play, as well as activate and control the swinging activity.*

As part of our commitment to research and development, we created a solution to this problem in the form of a new adult/toddler combination swing. Expression Swing™ addresses the need for a compliant preschool swing that allows an adult to control the swinging activity while participating in the play experience. It is the **industry’s most innovative response to the CPSC recommendation regarding adult assistance\* for children swinging in full bucket seat swings.**

### Applicable Guidelines and Standards

**CPSC** Playground Safety Handbook (5.3.8.3.2 ) states that full bucket seat swings

- “...are intended for children under 4 years of age to use with adult assistance.”
- “...should not allow the child to enter and exit alone.”

**ASTM** F1487-11 defines the specific use and testing of full bucket seat swings

- 8.6.7 Suspended element impact attenuation test
- 9.4.1.1 Use zones differentiated for seat types
- 8.6.4.5 One multiple occupancy suspended element per swing bay
- 8.6.5.3 Combination Swings - Use Zones related to dynamic motion of suspended elements

**CSA** Z614-14 (14.4.1 and 14.4.3) addresses the use zones of Single Axis Swings and Combination Swings, respectively.

Expression Swing is such an innovative response to a common playground problem, there is currently no standard specific to it’s design. However, it passes the tests associated with the closest standards available - specifically, those related to a combination swing and a full bucket seat swing. It has been rigorously tested by **TUV North America** and surpasses the requirements of the applicable suspended element impact attenuation tests outlined by **EN 1176, ASTM F1487-11** and **CSA Z614-14**.

***We recommend customers follow ASTM recommendation F1487-11 8.6.4.5 and install a single Expression Swing per swing bay.***

\*CPSC Handbook for Public Playground Safety 5.3.8.3.2