

Expression Swing™

See What You've Been Missing.™



Expression Swing is a GameTime exclusive and the industry's first playground swing that promotes intergenerational play as adults and children swing together.

The patent pending face-to-face design features a bucket seat for children under five and a comfortable adult swing seat that allows a parent and child (or grandparent and grandchild) to interact with each other and experience one another's facial expressions while at play.



See Eye to Eye

Patent-pending face-to-face design positions adult and child at eye level with one another so they can interact visually and verbally during play.



Swing in Comfort

Exclusive platform swing seat is ergonomically designed for adults and compliant with current swing safety standards.



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SOCIAL CHANGE

When a parent and a child make eye contact during play, something special happens. The portions of the brain that are responsible for balance and coordination, thought and language are stimulated. Scientists have observed an increase in brain activity in both parent and child at the moment of eye contact by using an encephalograph. This moment of “play attunement” is critical in the development of the parent/child bond and is essential in the early development of a child’s life.

Three-dimensional movement, like that experienced in swinging, stimulates the parts of the brain that enhance our emotions and cognitive development. By combining three-dimensional movement with eye contact, we can create a play experience that provides cognitive, emotional and physical benefits for both adult and child.

All over the world, we talk with people who are looking for opportunities to create mixed-age (intergenerational) social play. A U.K. study¹ found that 1 in 5 adults have forgotten how to play with their children, and 55% of children desire more play interaction with their parents and grandparents. A report² on baby boomers in the United States found one of the top priorities of adults reaching retirement age is living in neighborhoods that enable them to play and interact with their children and grandchildren on a regular basis. The need for adult/child play interaction drove us to create more than just a swing. We leveraged the science of play attunement to create a catalyst for social change.

Expression Swing™ is more than an adult/toddler combination swing. It is an opportunity for adults and children to interact with one another in meaningful, social play. Rather than standing behind a child and pushing him or her without being able to see one another, the patent pending, face-to-face design pairs a bucket seat for children with a comfortable adult swing seat that allows a parent and child (or grandparent and grandchild) to interact with each other and experience one another’s facial expressions during play.

Dr. Stuart Brown, M.D. is a world-renowned expert on the benefits of play. He is the founder of the National Institute for Play and the author of *Play: How it Shapes the Brain, Opens the Imagination and Invigorates the Soul*. He describes Expression Swing as “a wonderful design that brings many foundational elements of play, based on good play science, into action. This swing allows mutual, joy-filled eye contact that activates the hard-wired play ‘state’ to spontaneously and vigorously emerge. It allows intergenerational mutual play to occur throughout the life cycle and stimulates cerebra- cerebellar circuits that we know are hugely important for developmental competency.”

Expression Swing brings adults and children together in play like nothing has before. Just as parents and grandparents relish the memory of a child’s first step or first day of school, Expression Swing allows them to participate, first-hand, in a child’s first swinging play experience and to **see what you’ve been missing.**

1} From “Parents are Forgetting How to Play with Their Children, Study Shows,” by A. Hill. August 26, 2010,” The Guardian. Retrieved from [http:// www.theguardian.com/lifeandstyle/2010/aug/26/parents-children-playtime](http://www.theguardian.com/lifeandstyle/2010/aug/26/parents-children-playtime)

[2]From “New Type of Intergenerational Community Being Planned in Lawrence,” by M. Shields, 2013. Retrieved March 2015, from <http://www.khi.org/news/article/new-type-intergenerational-community-being-planned/>



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PATENT PENDING DESIGN

ABOUT THIS CONNECTION:

Specifically designed, not to swing out of the way when trying to position your tot into the swing seat.

Designed with consideration for little fingers.

ABOUT THIS TOT SEAT:

Meets or exceeds all EN, ASTM and CPSC head impact criteria.

WARRANTY:

Lifetime limited on all hardware
Fifteen-year limited on metal pipe
Five year on Adult swing seat
One year warranty on Tot Seat



ABOUT THIS FRAME:

Durable stainless steel chain.

Connection consists of cast aluminum construction with bronze bushings.

Ergonomically designed for adults to fit comfortably in the adult sized swing seat and have an eye-to-eye experience with their child.

25.44mm outside diameter heavy gage steel construction

ABOUT THIS SEAT:

The industry's first ergonomically-designed swing seat created specifically for adults. Maximum weight capacity 136kg.

Non-slip rubber texture.



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TECHNICAL SPECS

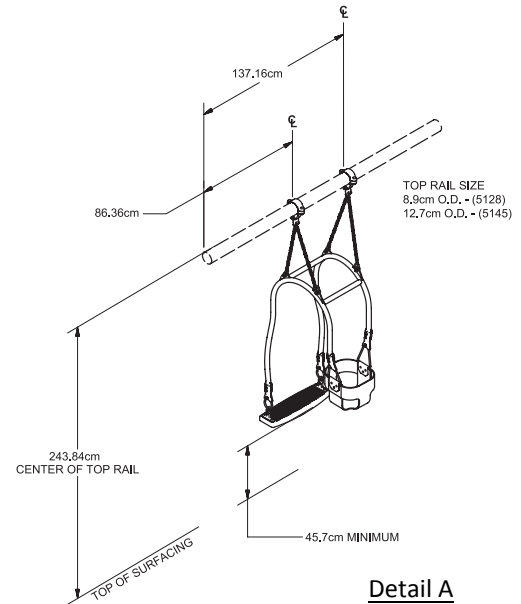
EXPRESSION SWING MODELS FOR MOUNTING TO AN EXISTING SWING SUPPORTING FRAME:

Model 5128 – attaches to a 8.9cm diameter overhead supporting “top rail” frame positioned at a height of 244cm above safety surfacing.

Model 5145 – attaches to a 12.7cm diameter overhead supporting “top rail” frame positioned at a height of 244cm above safety surfacing.

Note: existing swing structures must be capable of supporting 136kg in motion. Only one Expression Swing should be installed per swing bay.

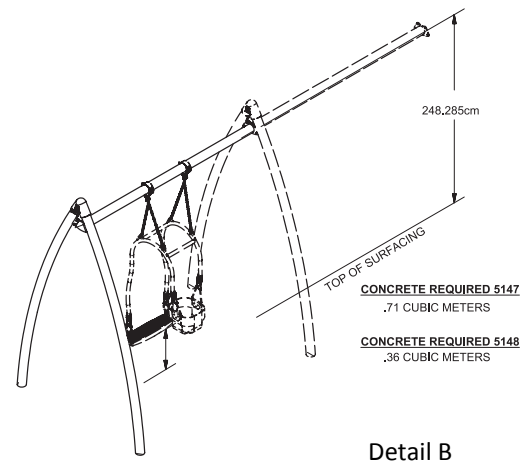
Single Models 5128 and 5145 Expression Swings ship in a cardboard carton 61cm wide x 61cm high x 112cm long and weigh 34kg. Field assembly of Expression Swing components is required.



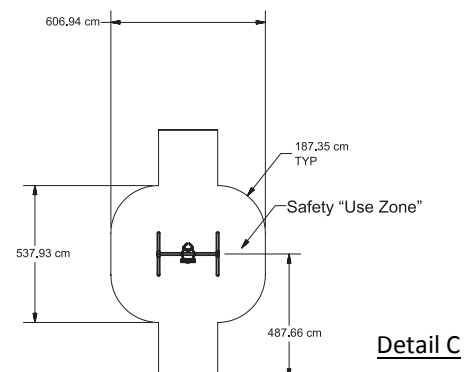
EXPRESSION SWING WITH NEW SWING FRAME STRUCTURE:

Model 5128 Expression Swing may be purchased with a companion Model 5147 Xscape Solo Swing Supporting Frame. We recommend the Solo Swing structure be installed in an area 9.75m wide x 6.07m long.

Additional Expression Swings may be attached to the Xscape Solo Swing Frame by utilizing our Model 5148 Solo Add-A-Bay Swing Frame which increases the length of the area required by 2.36m. Since Solo Swing Frames must be assembled and installed in concrete footings, we suggest the work be done by experienced contractors. A Model 5147 supporting frame ships in a crate 1.19m wide x .89m high x 3.73m long and weighs 215.5kg.



Safety “Use Zone” area to be free of obstacles children could run into or fall on top of and thus be injured.



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TECHNICAL SPECS

EXPRESSION SWING COLOR OPTIONS: The Expression Swing adult seat is black, the tot seat is very dark green, and the hardware and connectors are cast aluminum (silver). The swing seat frame and optional Xscape Solo supporting frame are available in any of the GameTime powdercoat paint options.

EXPRESSION SWING TECHNICAL SPECIFICATIONS: The Expression Swing frame is an all welded assembly fabricated of 33.4mm O.D. x 2.1mm wall galvanized pipe, 26.1mm O.D. x 1.8mm wall galvanized pipe, and 6.4mm Hot Rolled Mounting. The Expression Swing frame assembly is finished after fabrication with a custom formula of TGIC polyester powder coating. The frame contains press-in bronze bushings.

The tot swing seat is fully enclosed and fabricated with .635mm thick stainless steel inserts covered by a dark green colored EPDM rubber. The adult swing seat is 127mm wide x 533mm long x 26.9mm thick. The seat outer covering is 58-62 durometer EPDM Rubber which covers a 6005-T5 aluminum inner support (ASTM B221). The front and back edges are 12.7mm thick with molded air cells to provide impact cushioning. The seat exceeds ASTM F-1487-93 structural integrity requirements as stated in Section 12.3.1.1.

The supporting chain is of stainless steel 5.6mm diameter wire with each link having an inside dimension of 9.5mm wide x 34.9mm long for 4/0 welded link coil chain. The swing connection castings are of 356 die cast aluminum alloy. The galvanized connection clevis is 7.9mm diameter with tamper resistant head. The swing hanger consists of a hinged casting and swing pendulum that fits around a two piece nylon bushing. The hinged casting incorporates a factory installed bronze bushing. The pendulum is attached to the hinged casting with a 9.5mm x 44.4mm button head bolt. The two piece nylon bushing is attached to the overhead supporting top rail with 6.4mm x 25.4 self driving screws.

All nuts, bolts, screws, inserts, and lockwashers used in the assembly of the swing and swing supporting structure are stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners are of 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320 % longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

EXPRESSION SWING COMPLIANCE: The Expression Swing is such an innovative response to a common playground need, there is currently no product standard specific to its 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 European Standard EN 1176, American Standard ASTM F1487-11 and Canadian Standard CSA Z614-14. The Expression Swing design addresses the requirements of the American Standard Consumer Safety Performance Specification for Playground Equipment for Public Use ASTM F1487-11, Section 8.6.7 Suspended element impact attenuation test; Section 9.4.1.1 Use zones differentiated for seat types; Section 8.6.4.5 One multiple occupancy suspended element per swing bay; and Section 8.6.5.3 Combination Swings - Use Zones related to dynamic motion of suspended elements. We recommend customers follow ASTM recommendation F1487-11 8.6.4.5 and install a single Expression Swing per swing bay.

WARNING: Swing structures installed over a hard surface such as concrete, asphalt, or packed earth may result in serious injury from falls.
