TSP-10968

Columbus

HDPE play system model Columbus

Recycled HDPE:

Steel:

Rope Cables:

Rotation

Climbing

Jumping

Crawling

Hanging

Sliding



Ages 5-12

Users 136

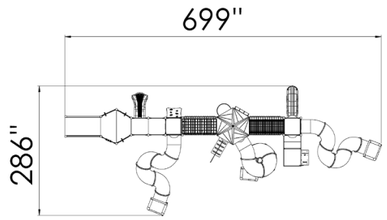
Dimensions L: 23'-8 " W: 58'-2.5" H:25'-3" | L: 793 W: 1429 H: 800 cm

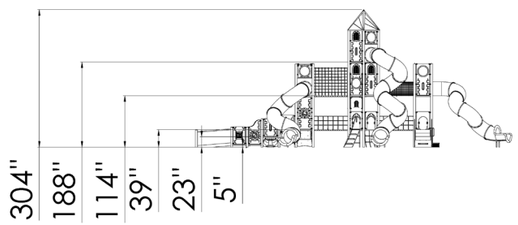
Safety Zone 61'-1.5"/40'-0.2" | 1862 / 1219 cm

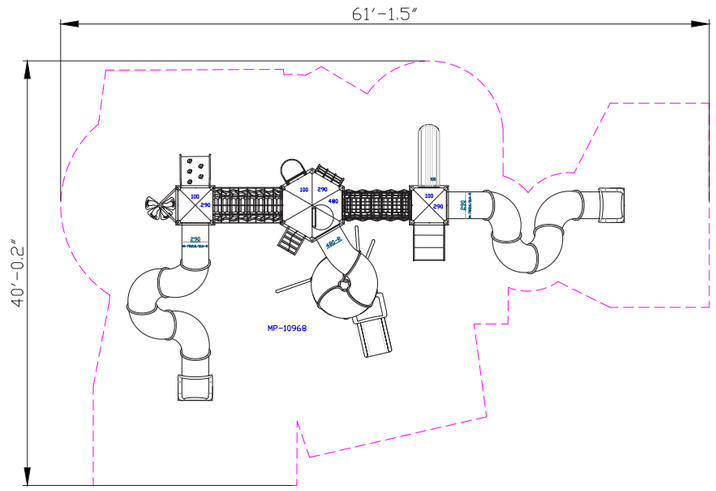
Fall Height 9'-3.4" |290 cm

Accessible

The heart of the playground is the central structure. Before we proceed with creating renderings of the structure and its many elements, we invest significant time in planning and designing the product alongside our engineers, and architects, to ensure we capture the structure's purposes. During this process, we place a great emphasis on making the structure accessible to the maximum range of ages and population while paying attention to the widest variety of elements with different and challenging activities. The Columbus play system includes many elements for climbing, sliding, and play for an experiential and challenging activity. The structure enables development of imagination, physical development, and social intelligence development, encourages curiosity and exploration, independence, spatial orientation, stage planning and proper organization, and provides play options for all ages.











Recycled HDPE

HDPE (High-Density Polyethylene) is a recycled material made from high-density polyethylene, produced from recycled materials that allows for further recycling. It excels in resistance to UV rays and wear and tear, making it particularly suitable for use in outdoor playground equipment. Its touch is smooth and pleasant, and its appearance is maintained over time. The advantages include high resistance to harsh weather conditions and environmental preservation. The material is capable of absorbing high energy, which helps prevent fractures.



Rope Cables

Rope Cables are made of synthetic polypropylene (PP) fibers combined with a galvanized steel core for improved strength and durability. They meet strict standards, such as ASTM A240 and EN 10088, ensuring durability and safety for use in playground equipment. . The cables offer a soft and pleasant touch that does not harm the hands during use and are available in various diameters and colors, allowing for creative and aesthetic design.



Steel

Steel structure that is strong and durable, oven-painted galvanized and coated with lead-free polyester powder for corrosion and rust resistance.

The steel meets strict EN 1176 standards, ensuring high quality and safety.

The steel is anti-vandalistic, requires minimal maintenance, and is fully recyclable.

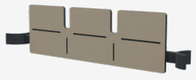
The high-quality paint ensures weather resistance and maintains a new appearance over time.

Designed Panel



The designed panel adds an aesthetic and unique dimension to the playground equipment, enhancing the overall play experience. The panel allows players to feel part of a creative and imaginative world, designed to align with the narrative of the playground. The design ensures easy and safe access to play activities, while maintaining a sense of security and enjoyment.

Decorations and Accessories



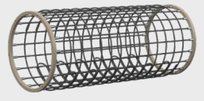
Decorations and accessories adorn the structures and highlight the theme of the playground. They encourage players to use their imagination and creativity during play.

Barrel Slide



The barrel slide provides an exciting and challenging sliding experience, combining movement with a sense of adventure. Sliding in this slide develops players' motor skills and coordination as they move through the tube at varying speeds. The sliding action boosts self-confidence and encourages daring as players face the challenge of fast movement. The slide is a fundamental and important element in any playground and is considered one of the leading and most beloved attractions for players of all ages.

Crawl Bridge



The crawl bridge offers a physical challenge that develops players' motor skills, coordination, and balance. Positioned at a height, it adds a sense of adventure and excitement. Players crawl through the bridge, enjoying a feeling of wonder and thrill as they enter from one side and emerge from the other. Playing on the bridge encourages movement, exploration, and a sense of achievement.

Straight Bridge



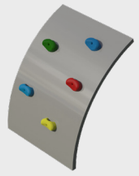
The straight bridge allows safe and convenient passage between parts of the structure, developing players' motor skills and balance. The height effect from the ground adds a sense of adventure and challenge as players learn to maintain stability and confidence during the crossing. Playing on the bridge encourages movement and self-confidence.

Designed Climbing Element



The designed climbing element combines physical challenge with a unique and inviting design. Players develop physical skills such as strength, coordination, and balance while playing in a creative and designed environment. The unique design encourages players to play and explore, fostering their imagination and creativity.

Climbing Element



The climbing element offers a physical challenge that develops muscle strength, coordination, and balance. Climbing on the element encourages children to overcome fears and build self-confidence and perseverance. Additionally, the element helps develop problem-solving skills as children look for efficient and safe ways to climb.

Clear Bubble



The clear bubble offers a unique vantage point, allowing players to see their surroundings from a different perspective, maintaining eye contact between the companion and the player and ensuring continuous, safe communication. The clear bubble enhances the sense of security for players and companions, especially in cases of young children needing support and supervision during play.



Physical Development

Climbing - Strengthening arm and leg muscles, developing fitness and endurance Crawling - Strengthening abdominal and back muscles, improving coordination and flexibility. Sliding - Strengthening leg and arm muscles and improving coordination.

Cognitive Development

Curiosity - Encouraging exploration and discovery through equipment providing new and unfamiliar experiences. Creativity- Developing creative thinking and imagination in open and interactive play.

Emotional Development

Imagination- Encouraging imagination and creating play worlds. Empathy- Developing the ability to understand and accept differences and complexities.

Social Development

Empathy- Developing empathy and the ability to understand and empathize with others' feelings. **Respect for boundaries**- Learning the importance of respecting personal and social boundaries. **Friendship creation-** Creating friendships and strengthening social bonds.

Motor Development

Foot-eye coordination - Improving coordination and balance through various equipment. **Core muscle strengthening**- Strengthening abdominal and back muscles through challenging equipment.