



# Rockwerx Playground Boulders



## Rockwerx History:

Since 2000 Rockwerx has been the leading builder of climbing systems nationwide. Rockwerx is constantly working to offer the best and most innovative products in the industry and that is why we came up with our ground-breaking Natural Rock boulders that have raised the industry standard for appearance and quality.

## Natural Rock and Product

All of our Playground Boulders are made from our Natural Rock, a synthetic polymer, designed to create the optimal climbing surface. Our synthetic polymer has replaced Glass Fiber Reinforced Concrete (GFRC) as the premier building material for playground boulders. It is nearly fivetimes less the weight of Glass Fiber Reinforced Concrete. Our rock surface is protected under US Patent. The patented process provides a UV stable surface that looks new long past the 5 year warranty. Our product is not affected by extreme climate change and will withstand freeze / thaw cycles unlike the way that the harder (brittle) concrete based GFRC product will. Chemicals and water minerals will not affect the surface or color of the rock. Unlike other products, our surface will not leach, lime or display calcium buildup. It is inert and will resist the buildup of algae and other organic growth. In fact you can powerwash the wall up to 2500 psi. If for some reason a piece of wall chips it will look exactly the same because the color is infused throughout. Our rock surface is super lightweight which allows us to create super angles and features that could not be reproduced with heavier products. The rock surface has been wind rated up to 210 MPH and ASTM tested with a comprehensive strength of 17,000 psi.



# Boulder Size and Pricing

# XL L

## X LARGE Playground Boulder:

**Dimensions:** 8' wide x 12' long x 8' tall

**Fall Safety Height:** 7' (84" from protective surfacing to highest point of structure)

**Weight:** 1,500-1,600 lbs.

**Age:** 12- Adult

Optional modular hold package with threadings: Add \$3,750.00

(Choose this option and we include a package of removable climbing holds with internal threading to connect the holds. Holds can be added and removed to provide for additional climbing routes. The holds are typically colored to match the tones of the rock surface but we can provide them in bright colors upon request.)



The **XL Playground Boulder** is built to offer the full range of the climbing experience. With a mushroom type shape, eight feet tall and twelve feet long, this wall will stand out as a bold feature of any outdoor landscape, and will also provide the most diversity in terms of climbing terrain. Designed to range in difficulty from one side to another, the climbing experience will vary depending on where you start on the boulder or what type of angle you want to climb. You can ascend the section of wall that leans in as a slab, or climb a more vertical section, an arête, pull a heel hook to top out on the overhang, or traverse the entire wall – all on the natural features. Because it also offers the greatest amount of climbing square footage, the XL Playground Boulder may be the best product to add the modular climbing hold option to, for more diversity in moveable holds and climbing options.

## LARGE Playground Boulder:

**Dimensions:** 6' wide x 8' long x 6' tall

**Fall Safety Height:** 5' (60" from protective surfacing to highest point of structure)

**Weight:** 850-900 lbs.

**Age:** 5-Adult

Optional modular hold package with threadings: Add \$2,000.00



Only a bit smaller than the XL version, the **Large Playground Boulder** is big enough for adults to play and share the climbing experience with their kids, but nearly half the cost. Planned so that taller climbers can have fun traversing or climbing atop the boulder, the Large Playground Boulder is also designed so that children can reach friendly grabs in different parts of the wall, and pull themselves up with relative ease, then move to another section for more of a challenge. With a big enough profile so that multiple kids can climb or sit at the top comfortably, this version will be fun for many... at the same time!



# Boulder Size and Pricing

M S C

## MEDIUM Playground Boulder:

**Dimensions:** 5' wide x 6' long x 4'6" tall

**Fall Safety Height:** 3'6" (42" from protective surfacing to highest point of structure)

**Weight:** 500-550 lbs.

**Age:** 5-12 yrs



Optional modular climbing hold package with threadings: Add \$1,000.00

The **Medium Playground Boulder** has numerous ledges, lips, and angles for those of us three feet tall or under to take the challenge to ascend. It also is the perfect size for a nice rest. Just like when you are out on a hike and need a break, you'll look for just the right spot to sit and relax. The Medium Boulder is compactly shaped to fit into relatively smaller spaces than the two larger versions, and still provide the unique look and function everyone kids can enjoy.

## SMALL Playground Boulder:

**Dimensions:** 3' wide x 6' long x 3' tall

**Fall Safety Height:** 2' (24" from protective surfacing to highest point of structure)

**Weight:** 260-320 lbs.

**Age:** 2-5 yrs.



Optional modular climbing hold package with threadings: Add \$600.00

Whether to meet the constraints of budget, space, or to provide just the right size for your kids' playground, the smallest of our Playground Boulders is fantastic for young children. With safety in mind, especially smooth curves and subtle changes in the rock angle are designed to minimize the chances of injury from a child from grabbing or hitting a sharp edge.

## CUSTOM Playground Boulder:

Rockwerx has the ability to create custom shapes and sizes that will fulfill the exact requirements of your project. If you can imagine it we can build it.



# Boulder Information

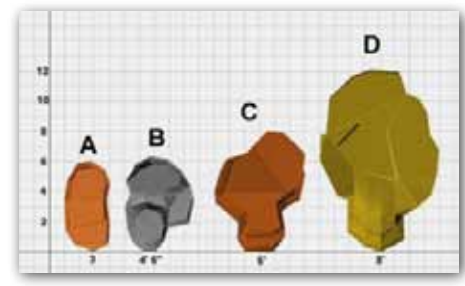
## Pre-Installation Notes :

Our Boulder installation is a very easy and safe process that will allow the user to securely install their boulder in no time at all. Rockwerx uses Manta Ray Earth-Anchors that hold the boulder in place with ease and stability. Each boulder size only requires 4 anchors for the Extra Large and Large, 3 for the Medium, and 2 for the Small. (For more installation information see other attachment.)

1. Boulders must always be placed on level, stable, compacted and well drained ground. Concrete footings are optional but not required.
2. Area around the boulders should be thoroughly cleared and leveled. No obstructions, stones, stumps, other structures, or hazards of any kind should be present within 6' (72") of the perimeter of the boulders.
3. Unload the Boulders and place them in position. Be sure that no other equipment or structures are within the 6' climbing safety zone.
4. Install the Manta Ray Earth-Anchors anchors next to the leg brackets found at the base of each Boulder. The Earth Anchors cannot be placed through the hole in the leg bracket. They must be set next to the hole in the leg bracket in a position where the bracket can be lifted over it once the anchor is driven into the earth.

-The following is the minimum number of anchors needed per Boulder.

- 2 Anchors- Small boulders
- 3 Anchors-Medium boulders
- 4 Anchors-Large and X Large boulders



## Boulder Installation:

1. Follow instructions provided by the manufacturer 'Manta Ray' for driving the Earth Anchors into the ground.
2. Drive the Earth Anchors until about 2" of the threads are left exposed above the leg bracket. This will allow the leg bracket to be lifted and set over the anchor. Do Not set (pull up) the anchor until all of the anchors are driven into place and the leg brackets have been lifted over the threads.
3. Once all of the Earth Anchors have been driven into the ground, lift and place the leg brackets over the Earth Anchors. Place the large steel plate washers over each anchor and install the nut.
4. Tighten each nut as specified in 'Manta Ray' instructions. This process sets the anchor into place.
5. Cut off the excess threaded rod with a sawzall or reciprocating type saw. Grind off any sharp edges as necessary.
6. Cover the area with bark mulch or other landing surface as may be required by local codes and ASTM F-1292-04.



# Boulder Information

## Maintenance:

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**Protective Surfacing:** As defined in ASTM F1487-07a: 13.1; The owner/operator shall maintain the protective surfacing within the use zone of each play structure in accordance with Specification F 1292 appropriate for fall height of each structure and Specification F 1951 where applicable. The owner/operator shall maintain the protective surfacing within the use zone of each play structure free from extraneous materials that could cause injury, infection, or disease.

**Fall Safety Zone:** According to ASTM regulations, the fall safety zone of each playground boulder shall be 72" from the base of the structure and shall entirely surround the play structure. Two or more playground boulders may share the same 72" safety zone with proper protective surfacing.

**Safety Warnings:** Owner/Operator shall maintain the safety of the product by consistently checking for loose bolts, loose climbing handholds, cracks in surface, and wear and tear on surface. If one of these problems arises, contact Manufacturer for product restoration guidelines and DO NOT ALLOW climbers on boulder structures.

## Contact Information:

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