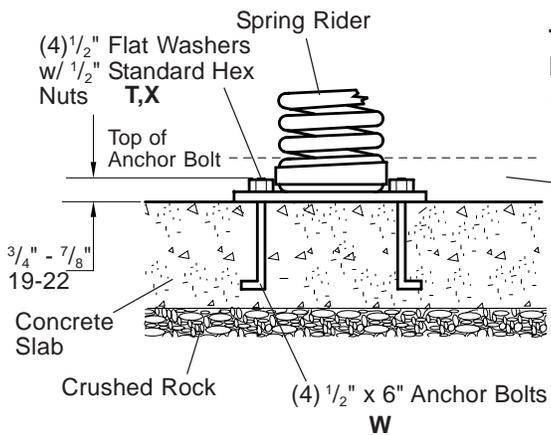


NOTE: For other methods of mounting Spring Riders, refer to 111307 & 115381 Direct Bury Legs and 122869 TuffTurf tile for Spring Riders.

SECTION SURFACE MOUNTING



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.



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Kids In Motion 100123 TuffRiders® RhinoDino

Parts List

Part#	Description	Qty.
136503-00	Boxed RhinoDino (Standard)	1
A 109506-00	Backrest Panel, Tan	1
B 109508-01	Seat Panel, Tan	1
C 109513-00	RH Body Panel, Green/Tan	1
D 109514-00	LH Body Panel, Green/Tan	1
E 109515-01	Shield Panel, Green/Tan	1
170329-00	Boxed RhinoDino (Recycled)	1
A 109506-00	Backrest Panel, Tan/Black	1
B 109508-01	Seat Panel, Tan/Black	1
C 109513-00	RH Body Panel, Green/Black	1
D 109514-00	LH Body Panel, Green/Black	1
E 109515-01	Shield Panel, Green/Black	1
F 107589-00	10 9/16" Pipe Bolt, Tan	1
173186-00	RhinoDino Hardware Package	1
G 123224-00	3/8" x 1 11/16" BHCS w/Patch, SST	4
H 100195-00	3/8" x 5/8" BHCS w/Pin, SST	8
I 130824-00	1/2" x 2 1/4" Flat Head Cap Screw, SST	2
J 151421-00	3/8" x 1 1/2" Flat Head Cap Screw, SST	4
K 100327-00	3/8" Standard Hex Nut, SST	6
L 129692-00	1/2" Standard Patch Nut, SST	2
M 100353-00	3/8" Flange Nut w/Pin, SST	8
N 100362-00	3/8" Flat Washer, SST	4
O 100365-00	3/8" SAE Flat Washer, SST	6
P 105207-00	Aluminum Angle	4
Q 108184-01	Bolt Cap Part A	4
R 108185-01	Bolt Cap Part B	4
S 129693-00	1/2" Hex Jam Nut, SST	2
T 100363-00	1/2" Flat Washer, SST	2
156845-00	Play Safe Label, 2-5 Yrs.	1
U 143781-00	Seat Support/Footrest, Brown	1
V 132276-00	Spring Assembly, Brown	1
120202-00	Spring Animal Anchor Hardware Package	1
W 100262-00	1/2" x 6" Anchor Bolt	4
X 100322-00	1/2" Standard Hex Nut, SST	4
T 100363-00	1/2" Flat Washer, SST	4

Specifications

- Standard Panels:** Permalene backrest panel and seat panel, tan in color. Permalene body panels and shield panel, green/tan in color.
- Recycled Panels:** Permalene backrest panel and seat panel, tan/black in color. Permalene body panels and shield panel, green/black in color.
- Spring:** Weldment comprised of 5 5/8" diameter 13/16" tempered alloy steel coil. Finish: Powdercoat, brown in color.
- Brackets:** Fabricated from formed 7 GA (.179") HRS. Finish: Powdercoat, brown in color.
- Base Plate:** Fabricated from 1/4" x 10" HRPO formed plate. Finish: Powdercoat, brown in color.
- Bolt Caps:** Made from injection molded polypropylene, U.V. stabilized, white in color.

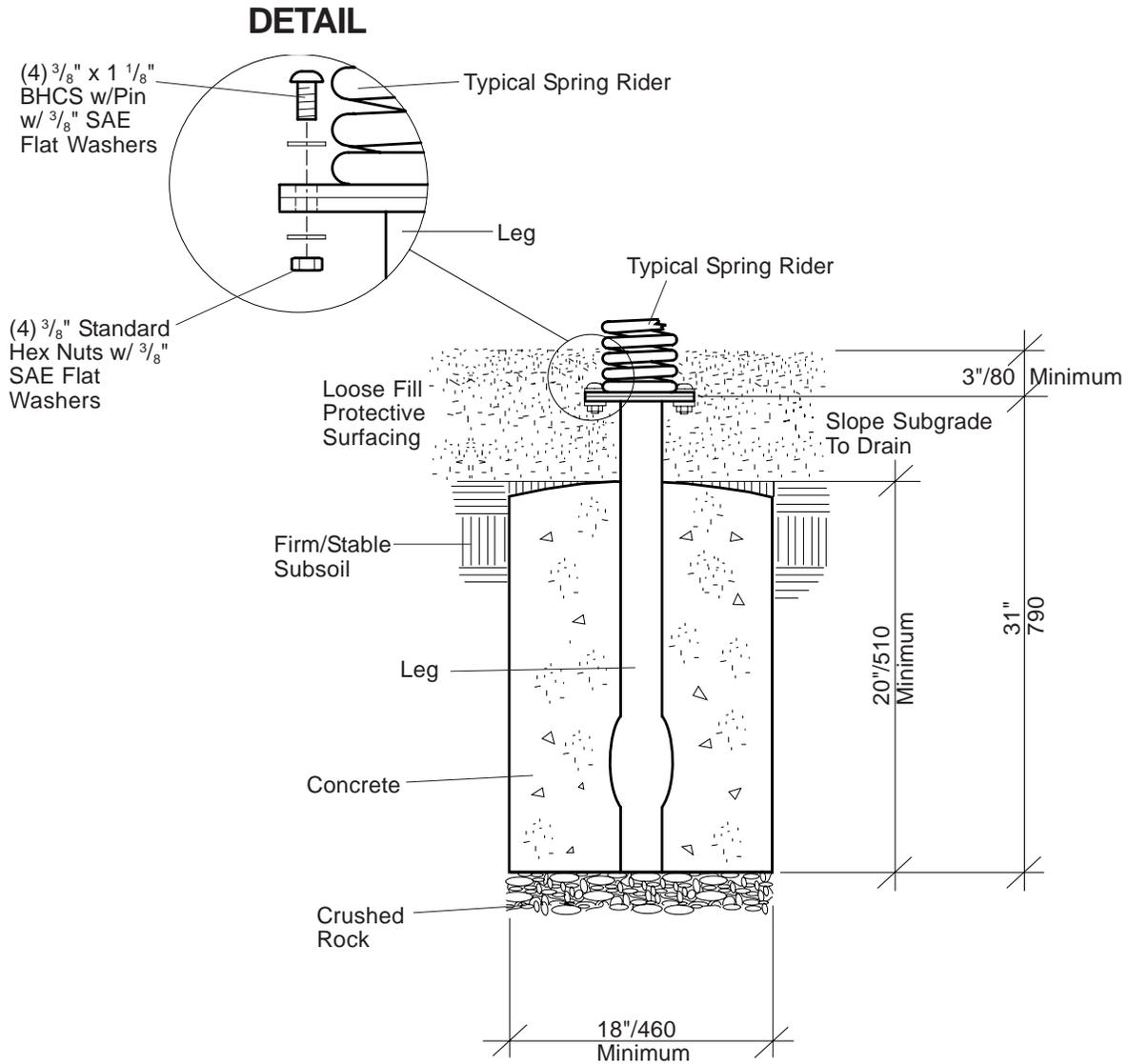
Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 2 1/2 man hours
Concrete Req.: Approx. 10 cu. ft.
Area Req.: 13'-0" x 15'-0" (3,96 m x 4,57 m) minimum use zone
Weight: 72 lbs.
Seat Height: 15" (0,38 m)

Installation Instructions

NOTE: For other methods of mounting Spring Riders, refer to 111307 & 115381 Direct Bury Legs and 122869 TuffTurf tile for Spring Riders.

- Using the spring base plate as a pattern, make a plywood template for anchor bolt placement.
- Attach 1/2" x 6" anchor bolts (**W**) with 1/2" flat washers and 1/2" standard hex nuts (**T,X**) to holes in template. Allow 3/4" to 7/8" of thread to protrude from concrete.
- Pour concrete slab and lay template on surface in level position. Push anchor bolts into concrete, allowing 72 hours before template removal.
- Attach spring assembly (**V**) to anchor bolts in concrete using 1/2" standard hex nuts (**X**) with 1/2" flat washers (**T**).
- Attach seat support (**U**) to spring assembly with 1/2" x 2 1/4" flat head cap screws (**I**), 1/2" flat washers (**T**), 1/2" patch nuts (**L**) and 1/2" hex jam nuts (**S**).
- Attach seat (**B**) to support (**U**) with 3/8" x 1 1/2" flat head cap screws (**J**) 3/8" flat washers (**N**) and 3/8" standard hex nuts (**K**).
- Slide body panels (**C,D**) onto seat (**B**) with the etched eyes and mouth to the outside. The body panel needs to be installed in conjunction with seat support (**U**). See Detail on front.
- Fasten body panels to seat support with 3/8" x 1 11/16" BHCS (**G**), 3/8" standard hex nuts (**K**), bolt caps part A (**Q**) and 3/8" SAE flat washers (**O**).
- Place 10 9/16" pipe bolt (**F**) in place between seat support and attach using 3/8" x 1 11/16" BHCS (**G**), bolt caps part A (**Q**) and 3/8" SAE flat washers (**O**).
- Slide notches in backrest (**A**) into body panel notches and attach using two aluminum angles (**P**) four 3/8" x 5/8" BHCS w/pin (**H**) and four 3/8" flange nuts w/pin (**M**).
- Repeat step 10 in attaching shield panel (**E**).
- Final tighten all fasteners.
- Snap bolt caps part B (**R**) to bolt caps part A (**Q**) by hand or with rubber mallet.
- Install protective surfacing before users are allowed to play on the component. A minimum of 2" of protective surfacing should cover base plate and anchor bolts.



Parts List

Part#	Description	Qty.
115154-00	Leg (DB), Brown.....	1
115326-00	Spring Rider (DB) Hardware Package	1
100198-00	$\frac{3}{8}$ " x 1 $\frac{1}{8}$ " BHCS w/Pin, SST	4
100327-00	$\frac{3}{8}$ " Standard Hex Nut, SST	4
100365-00	$\frac{3}{8}$ " SAE Flat Washer, SST	8

Specifications

Leg: Weldment comprised of 3 $\frac{1}{2}$ " O.D. RS-20 (.120" - .130") galvanized steel tubing and $\frac{1}{4}$ " x 10" diameter HRPO zinc plated steel mounting plates.

Permalene Base: Solid or two color Permalene.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 2 man hours

Concrete Req.: Approx. 3 cu. ft.

Weight: 20 lbs.

Installation Instructions

- 1) Dig footing hole as shown.
- 2) Attach leg to spring assembly of spring rider using $\frac{3}{8}$ " x 1 $\frac{1}{8}$ " BHCS w/pin with $\frac{3}{8}$ " SAE flat washers and $\frac{3}{8}$ " standard hex nuts with $\frac{3}{8}$ " SAE flat washers.
- 3) With leg plumb and spring rider propped up, pour concrete footing and let cure for a minimum of 72 hours before using.
- 4) Install protective surfacing before users are allowed to play on the component.