

Southpaw Swing Hardware Guide

Swings are recommended as a base component for a clinic providing therapy. Southpaw provides a variety of swing mount solutions to fit many, but not all, types of building structures. Safety and function are the key components of every swing installation. This guide provides the basic information needed for you to select which solution is right for your setting.

A. SWING TYPES

There are three types of attachment points:

1. Single Point: Soft-Lite Platform



2. Two Point: Standard Glider Bolster



3. Three or Four Point: Rainbow Acrobat Swing

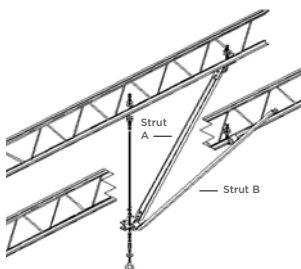


B. CEILING SWING MOUNTS

1. Pre-fab joist kits: Steel beams only.

7051: 1'-3' KIT

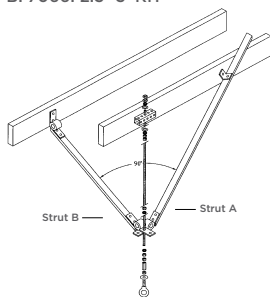
7062: 3'-5' KIT



2. Pre-fab wood joist kits: Wood beams only.

A. 7056: 1'-3' KIT

B. 7066: 2.5'-5' KIT



3. 2" x 6" Beam Installation Kit: A single suspension point that is anchored to any wood joist that is 2" x 6" or larger. The ceiling must be anchored to the joists. A hole must be cut in the ceiling to expose the swivel/shackle swing mount.



4. I- or H-Beam Kit: Requires a 1/2" hole to be drilled into the beam. Beam must be exposed, or the ceiling must be anchored to it. There can be no space between the ceiling and the beam for this installation.



IMPORTANT NOTES: Measurements refer to the distance between steel or wood joists and suspended ceiling grid. For therapy clinics it is recommended to have at least 3 suspension points.

- Southpaw does not recommend attaching an eyebolt directly into existing concrete beams. Please use on one of our freestanding swing frames.
- Southpaw recommends the use of a safety rotational device (item 2000 or 112000) on every suspension point.

C. FREESTANDING SWING FRAMES

1. **Custom Support Structure:** The most popular Southpaw swing frame is the fully customizable Custom Support Structure that can be made to fit your space. The base legs are always 8' long. The height can range from 7'6" to 12' in height. The length can range from 10' to 20'. The top bar can be spliced if there will be difficulty moving the bar into a building. Working load of 1,500 lbs. Custom Expansion Beams are sold separately



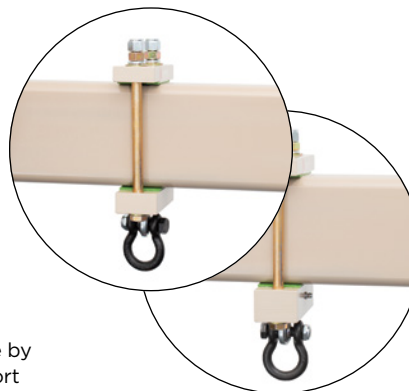
CUSTOM SUPPORT STRUCTURE ACCESSORIES

A. **Pull Handles and Rope:** 5.5' rope with safety strap to be used with Upright Eyebolt Kit.

B. **Eyebolts:** Frames with standard 12' length come standard with pre-drilled eyebolts. These can be deleted and replaced with fully adjustable eyebolt wraps.

C. **Eyebolt Wraps:** Can be used on any length structure and are mandatory on structures that are 15' or greater in length and any crossbeam that has been spliced. Wraps now use a swivel and shackle system that is easier to maintain. We also offer static eyebolt wraps that do not swivel and require a safety rotational device.

D. **Upright Eyebolt Kit:** Can be inserted on either or both uprights that can be used as pull handles or to tether a zipline. Pre-drilled holes at 36", 48" or 60" from the bottom of the uprights of the structure.



E. **Expansion Beams:** You may enhance your Custom Support Structure by adding an Expansion Beam. The beam will fit any size Custom Support Structure designed by Southpaw. Expansion Beams are 36" long.

C. FREESTANDING SWING FRAMES

2. **The Standard C-Stand and Heavy Duty C-Stand:** Take about the same amount of space—62"W x 88"D x 93"T—differing only in working loads: 300 pounds for the standard and 600 pounds for the heavy duty model. This is not a weight limit. The working load includes the weight of the user, the weight of the swing, and the force of the motion. Both are equipped with rotating eyebolts and height adjustments.

IMPORTANT NOTE: The addition of a Linear Motion Bar can accommodate two-point swings.



7100: STANDARD C-STAND
7101: LINEAR MOTION BAR



7150: HEAVY DUTY C-STAND
7152: LINEAR MOTION BAR

C. FREESTANDING SWING FRAMES

3. Itinerant Support Frame: Most portable and adjustable suspension system available. Requires only 49 sq. ft. of space. Comes complete with rotational device and carrying case. Stand adjusts to heights of 85", 94" and 101". Swing sold separately.

ITINERANT SUPPORT
FRAME ITEM: 7250



4. A-Swing Frame: Designed for temporary home or community use where a permanent solution is not possible. Swing is sold separately.



IMPORTANT NOTE: The Itinerant Support Frame and A-Swing Frames are for passive therapies where a permanent eyebolt installation is not possible. It is not intended to substitute for a permanent ceiling installation. When treating clients who require more intensive movements on a daily basis, a higher support suspension unit should be used, as the client should never swing beyond the angle of the legs of the frame.

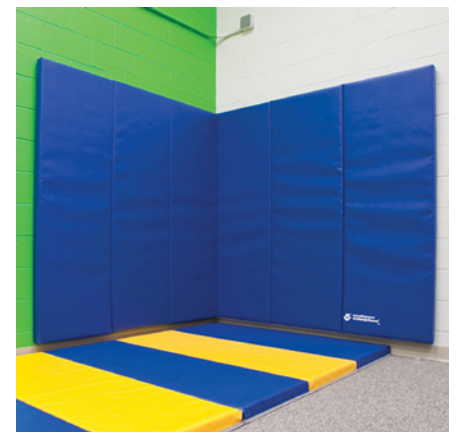
WARNING: Never allow clients to swing beyond the frame's legs; doing so may cause tipping or structural failure.

Compatible Swings for 7250: Therapy Net, Sling Swing, Cocoon Swings, Moon Swing, Advantage Line Moon Swing, Trapeze Bar, Wee Trapeze Bar, Twirler, Disc Swing, Flexion Disc, Dual Swing, Rubber Dual Swing, Infant Swing, Cuddle Swing, Adult Cuddle Swing, Itinerant Platform Swing with Carpet, Itinerant Platform Swing with Vinyl Padding, Soft-Lite Round Platform Swing, Soft-Lite Circle Swing, Soft-Lite Junior Glider

Compatible Swings for 7290: A-Swing Platform Swing with carpet, A-Swing Platform Swing with vinyl padding, Low Profile Sling Swing, Moon Swing, Soft-Lite Circle Swing

D. SAFETY RADIUS

Southpaw strongly recommends a 6' safety radius in all directions from every suspension point. If space is a limiting factor, then Southpaw recommends that walls, pillars and windows be covered with wall and/or post pads. Wall pads are 2' wide and are available in 4', 5', 6', 7' and 8' height. Two installation types are available: 1" nail margin at the top and bottom of each pad or a Z-clip system for a clean look. There are 19 color options for wall pads.



E. SUSPENSION OPTIONS

1. Southpaw swings come in different lengths and must be positioned at a height that provides optimum safety for the client. The Suspension and Height Adjustment Kit is the best option for maintaining a safe height for all Southpaw Swings. The kit comes with 10' of rope, a standard safety rotational device and a height adjuster. If you wish to order a shorter rope, please contact customer service for assistance. Only Southpaw's Height Adjuster features safety locking pins.

2. **Safety Rotational Device:** Minimally, every suspension point should have one attached to it to reduce torque and friction while swinging. Both options include one safety snap.



3. **Swing Pulley:** With our newly engineered swing pulley, you no longer have to balance those bulky swings and struggle to put them up, get the right height, and take them down. This system allows you the ease of putting up and taking down suspended equipment by simply attaching the swing to the pulley and away you go. Hardware requires 25" at the top.



4. **Vertical Stimulation Device:** Industrial-quality elastic loops designed to provide vestibular and proprioceptive stimulation for most swings. The single loop has a working load of 30 lbs, the double loop has a working load of 60 pounds, and the kit, which includes 2 single loops and 2 double loops, has a working load of 180 lbs.



It all starts above the ceiling with the forged bolt! This is your responsibility.

ITEM 0100 SAFETY SNAP

Connects two pieces of hanging equipment. It is spring loaded to prevent accidental opening during use. Working load 1000 pounds.

ITEM 2000 ROTATIONAL DEVICE

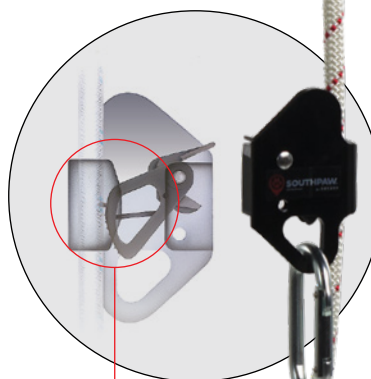
Always use a rotational device.



2000 REGULAR 112000 HEAVY-DUTY

ITEM 5000 HEIGHT ADJUSTER

Hang your equipment from the Height Adjuster and change the height simply by sliding it up or down the rope.



Only Southpaw's Height Adjuster features safety locking pins.

ITEM 0150 THERAPY ROPE

F. SAFETY TIPS

Southpaw. Committed to Safety for Clients and Therapists.

Sensory integration therapy is not inherently dangerous, but every activity has certain elements of risk. Precautions can be taken that will eliminate most hazards.

Southpaw is committed to helping its customers develop a comprehensive safety strategy. We believe the elements of safety include the layout of the clinic or therapy space, the installation of ceiling eyebolt supports to the proper specification, the implementation of a systematic equipment inspection program, proper matting, and personal protection.

Call Southpaw's knowledgeable Customer Service Representatives for more information on safety features at 800.228.1698.

USE OF ROTATIONAL DEVICES

Using rotational devices on suspended swings in a therapy clinic is essential for providing safe, controlled movement while delivering valuable vestibular input. These devices allow the swing to rotate smoothly, helping clients develop balance, coordination and spatial awareness—key components of sensory integration therapy. In addition to enhancing therapeutic benefits, rotational devices protect overhead hardware by preventing the twisting of ropes, which reduces stress and wear on eyebolts and other suspension points. This not only extends the life of the equipment but also helps maintain a safer environment for both clients and therapists.

CEILING SUPPORT

Ceiling support must be designed around the most rigorous environment, not necessarily the current one. Your ceiling support point should meet the following standards no matter what population you treat or the manner in which you treat them.

Your ceiling support point should be able to sustain at least a 1,000 pound load at up to a 45-degree angle in any direction. All eyebolts must be installed 6' away from any wall or obstruction. Keep in mind that during treatment activities, the forces acting on the ceiling eyebolt will not always be straight down. Even a gentle swing on the equipment varies the angle of those forces on the ceiling support point. There should be no more than .25" of movement in your eyebolt, which is up to and inclusive of the stated 1,000-pound, 45-degree pull. Eyebolt movement beyond .25" or any rotation under any load is UNSAFE.

WARNING! Eyebolts will wear with use and must be inspected on a regular basis. Discontinue use of eyebolt and replace immediately when wear begins to show, never letting wear exceed 30%.

In ceiling support applications, following the inspection and maintenance checklist that comes with the product is even more critical where components of the ceiling support are above a dropped ceiling. In these situations, loose or worn components are typically only discovered by a scheduled inspection.

WORKING LOAD

The working load is the combined weight of the equipment, the child and/or therapist on it, and the weight created by movement. It is NOT the number at which the equipment will fail, but rather the maximum sustainable load that the equipment can handle.

To demonstrate, if a 150-pound person stands on a scale, it will read 150 pounds. However, if that person jumps on the scale, the reading will momentarily shoot way past 150 pounds. That is an example of weight created by movement, the result of which is the working load exerted on the scale.

MATTING

Because safety is always a priority, proper matting must be considered up front. Regardless of the application, we recommend as many of the best, thickest mats you can afford. When purchasing mats, consider these questions:

What kind of suspended activities do your clients perform?

Do activities include linear swinging, rotation or a mix?

Do clients swing very high?

Where do activities take place?

Once you have answered these questions, you will have a good idea of the floor space that will need to be covered with mats and how thick the mats should be.

DEVELOP A COMPREHENSIVE 3-STEP INSPECTION AND MAINTENANCE PROGRAM.

Most therapy equipment takes quite a beating. Southpaw works hard to design equipment around this fact by using the best materials available. However, even the best piece of equipment will have a finite life.

In the few instances of equipment failures we have seen over the years, most have been a result of parts wearing completely through, such as eyebolts breaking or ropes failing. The vast majority of failures can be completely prevented by simple, routine inspections and maintenance.

A COMPREHENSIVE 3-STEP INSPECTION AND MAINTENANCE PROGRAM INCLUDES THE FOLLOWING:

1. Training

All therapists who will use the equipment must familiarize themselves with the instruction sheet and maintenance checklist that comes with each item purchased from Southpaw. Both documents, which include a list of all parts, setup procedures (if applicable), safety notes, inspection point, and cleaning and storage instructions, need to be kept in a fully accessible, known location.

2. Know What Needs to be Inspected

As noted above, each item from Southpaw includes an instruction sheet and maintenance checklist. Each instruction sheet lists items to inspect on the product as well as inspection intervals. Following these guidelines will bring your attention to the wear on a piece of equipment before it becomes dangerous.

In addition to inspecting the specific points noted on the checklist, therapists must always inspect each piece of equipment as a whole before and after each use. The last person to use the equipment may have changed or reconfigured something that makes its use inappropriate for the next person.

3. Master Schedule

Developing a regular inspection and maintenance master schedule is one of the most significant steps you must take to keep equipment, therapists and clients safe.

A master schedule is highly detailed and includes a comprehensive list of all items requiring inspection, the related instruction sheets and checklists, and the dates on which each inspection should take place. The program should specifically identify assigned groups or persons to perform each task.

The importance of proper, scheduled maintenance cannot be overstated.