

SECTION 7-D

MOVEABLE ANCHORS: UNIVERSAL™ / MOVEABLE ARS / SAFETY BAR™

The anchors shown in this section are designed for temporary anchorage. They are made from a heavier gauge stainless steel and may be reused many times. Temporary anchors are not intended to replace permanently installed anchors like the ARS 2x4/2x8 and Retro-fit™. They should be used as an accessory where a permanent "anchor service zone"™ may not provide 100% coverage. Use when permanent anchors are not installed, or when temporary hazards are present.

UNIVERSAL ANCHOR™

Surface Mounted / Fall Arrest Anchor

The Universal Anchor™ is made from 11 gauge stainless steel fitted with a 5,000 lbs. rated ring for attaching a lifeline system. Installs using a wide range of fasteners. Install over a minimum 7/16" OSB/Plywood sheathing as specified below:

FASTENER SCHEDULE:

TYPE OF SURFACE	FASTENERS REQUIRED	PART#	STRENGTH RATING
7/16" OSB / plywood over top chord	10 ea. #12x2-7/8" red hex head screws	2009	5,000 lbs.
	10 ea. 16d un-coated duplex nails	2012	3,000 lbs.
7/16" OSB/Plywood only	30#12x1-5/8" black hex head screws	2011	3,000 lbs.
1 layer asphalt shingle	same as above-----		
1 or 2 layers asphalt shingle over top cord	10 ea. #12x2-7/8" red hex head screws	2009	5,000 lbs.

1. Install the anchor using specified fasteners for the type of substrate. When installing over a rafter center, always use center leg holes as shown in **Fig. 1** and **3**. Always secure both legs in accordance with fastener specifications. Do not use on slopes greater than 12/12. Not intended for suspension-type applications.

2. Field and ridge installation requires the anchor legs to run parallel with the rafter / slope as shown in **Fig. 1** and **2**.

3. After use, remove anchor and dispose of fasteners. Do not reuse screws or nails due to metal fatigue caused by installation and removal. Do not use the anchor if it is damaged. Do not rebend the stem section or legs if they are distorted. Inspect attachment ring (**Fig. 3**) for defects, cuts, deformation or a broken weld. Remove from service if damage is present or subjected to a free fall.

MOVEABLE ARS ANCHOR:

Temporary fall protection 5,000 lbs. anchorage device. The moveable ARS shown in **Fig. 4** and **5** is made from 11 gauge stainless steel and powder coated red. Designed to be used as a temporary anchor point that can be used for fall arrest or work positioning. Available in two sizes, 2x8 and 2x12, allowing attachment to all common rafters and joists. May be used on open framing provided the structure is partially sheathed or braced as shown in **Fig. 5**, and is capable of supporting the intended fall protection load.

1. Attach to rafter or top chord using detent locking pin. Use a 16d duplex nail on each leg side to prevent movement in the direction of the load, or position above sheathing as shown in **Fig. 5**.

2. Inspect locking pin for proper function. With pin in place as shown in **Fig. 4**, pull on the handle and do not depress detent pin locking button. If the detent pin comes out of the attachment hole, the ball lock may be defective or the attachment hole may be oversized due to wear. Remove from service. The detent pin can be replaced with Part# 2015 and retested.

SAFETY BAR™

A heavy duty 1"x 3/16" square steel tube that is powder coated red. Designed to attach to the top chords of 3 trusses or rafters as shown in **Fig. 6**. The 48" length bar has 3 legs that are perfectly spaced for 24" centers.

1. Attach Safety Bar™ to top chords as trusses are put up. Lock in place with detent locking pins on each end of bar. Use several bars in series to space and hold trusses into position. Each bar has a single tie-off point.

2. Requires partial sheathing and /or cross bracing for fall arrest or work positioning use.

3. Inspect detent locking pins for function test specified in paragraph 2 above and replace if needed. Inspect legs and lifeline attachment stem welds for cracks. Remove from service if welds are cracked, bar is bent, or has been subjected to a fall. Do not attempt to repair bent or deformed legs, bar, stem, or detent pins.

UNIVERSAL ANCHOR™

7/16" sheathing
5 ea. #12 red hex head screws in each leg over top chord.

Fig. 1

Fig. 2

Install over sheathing w/ no top chord. 15 screws required in each leg.

Fig. 4

Detent Locking pin handle

Fig. 3

Attachment ring

Fall Arrest Rating. Screws must center over top chord.

Fig. 5

Blocking required to prevent movement down slope.

ARS 2x8 moveable
11 ga. stainless steel
powder coated.

Detent locking pin

Fig. 6

48" length Safety Bar™ spaces top chords on 24" centers.

Detent locking pin

Detent locking pin