

Since 1951

# Ellis<sup>®</sup>

**MANUFACTURING  
COMPANY, INC.**



## Temporary and Permanent Reinforcing Supports

### 4X4 ELLIS CLAMP

ITEM # C-4



PAGE 2-3

### 4X4 SCREW JACK

ITEM # SJ-4



PAGE 12

### STEEL SHORES

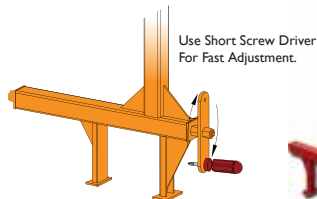
- Standard
- Light Duty
- Heavy Duty



PAGE 10-11

### PARAPET GUARDRAIL SYSTEM

ITEM # GRS-P12  
ITEM # GRS-P24



PAGE 16-17

### COLUMN FORMING CLAMP SCISSOR TYPE

ITEM # CC-48



PAGE 14-15

## “UP AND DOWN” FAST!

YOU CAN RERECT 5 OR MORE ELLIS SHORES WHILE YOU ARE MEASURING, CUTTING, SPLICING, ERECTING, AND WEDGING ONE 4X4 SHORE.

## ELLIS CLAMPS

**THE SECRET OF THE ELLIS SHORE IS THE ELLIS CLAMP.** Patented by Ellis Manufacturing Company Inc. in the 1950's, the Ellis Clamp is simply designed to bring two pieces of lumber together to quickly create an adjustable shore. By using Ellis Shoring Methods, contractors are able to extremely reduce the amount of time and lumber spent on building their shores. The Ellis clamp is designed with a solid steel rectangular collar and two heavy duty malleable castings, which are grooved on the flat surface for firm gripping on lumber. Abuse will not break or distort, making the clamp durable enough to use hundreds of times and its cost per use 'pennies'. The Ellis Clamp is available in six sizes - specifications are given below.

### 4X4 ELLIS CLAMP



ITEM # C-4

made in the usa

### SPECIFICATIONS:

**MATERIAL:** 1/2" round rod and malleable castings for the 3x4, 4x4 and 4x6 Clamps. 9/16" round rod and malleable castings for the 6x4 clamp. 1/4"x1-1/2" flat bar and malleable castings for the 6x6 shore clamp.

Designed to be used with five sizes of standard dressed lumber:

ITEM #	CLAMP WEIGHT (LBS.)	LUMBER SIZE (STANDARD CUT)
C-2	2-1/2	2X4
C-3	2-1/2	3X4
C-4	3	4X4
C-46	4-1/2	4X6
C-64	10	6X4
C-6	11	6X6

**CASTINGS:** Pivotal, non-slip. Provides grooved bearing surface against wood.

Slide upper shore member up through castings to desired height.

Weight of Lumber alone will cause enough friction to hold the upper shore member in place.

ONCE DESIRED HEIGHT IS OBTAINED FOLLOW STEPS (A & B).

A. Strike to set clamp

B. Drive safety nails

TO QUICKLY DISMANTLE (C & D)

C. Tap one at a time

D. Loosen both clamps

to lower slightly

for fast lowering

TOTAL SHORE HEIGHT (FT.)	LOWER SHORE MEMBER LENGTH (FT.)	CLAMP SPACING (IN.)	ELLIS SHORE MAXIMUM SAFE WORKING LOAD (LBS.)					
			2X4	3X4	4X4	4X6	6X4	6X6
18'	7'	18"	0	0	0	3200	3200	7200
16'	7'	18"	0	0	0	3200	5600	10,400
14'	7'	18"	0	0	3000	4000	7200	13,600
12'	6'	12"	600	2000	4400	6000	9600	13,600
10'	6'	12"	1000	3000	6000	8000	12,000	16,000
8'	6'	12"	1500	4000	6000	9600	16,000	16,000
6'	4'	12"	1800	5000	6000	9600	16,000	16,000

\*THE ABOVE CHART IS BASED ON ACTUAL LOAD TESTS AND INCLUDES A 2-1/2 TO 1 SAFETY FACTOR\* TESTS ARE BASED ON USING # 1 DOUGLAS FIR.

## RESULTS OF LABORATORY TESTS ON ELLIS SHORES

### ONLY DEFLECTED – NEVER BROKE!

To establish the fact that Ellis Shores would withstand loads recommended on forming jobs, Ellis Manufacturing Co. had a series of load tests run under extreme overload conditions. Using the same #1 Douglas Fir or #1 Southern Yellow Pine 4x4's as Ellis recommends to contractors and Ellis Clamps, an 11'-0" Ellis Shore was erected. Increasing amounts of pressure were applied until the load was more than 20,000 lbs. but still the Ellis Shore did not break! There was very slight deflection at 6,000 lbs., and progressive deflection up to 20,000 lbs. (See test results on the right.) These tests proved once again what contractors already know...

Load per Shore - lbs.	Vertical Deflection in Inches 2 Clamps per shore
1,000	0.000 "
2,000	0.005 "
3,000	0.021 "
4,000	0.063 "
4,500	0.092 "
5,000	0.127 "
6,000	0.172 "
7,000	0.213 "
8,000	0.249 "
9,000	0.319 "
10,000	0.449 "

The above tests were made with ELLIS Clamps on No. 1 Douglas Fir ELLIS Sticks; Clamps were driven down with a carpenter's hammer before the load came on.

## ELLIS SHORES ARE EXTRA SAFE!

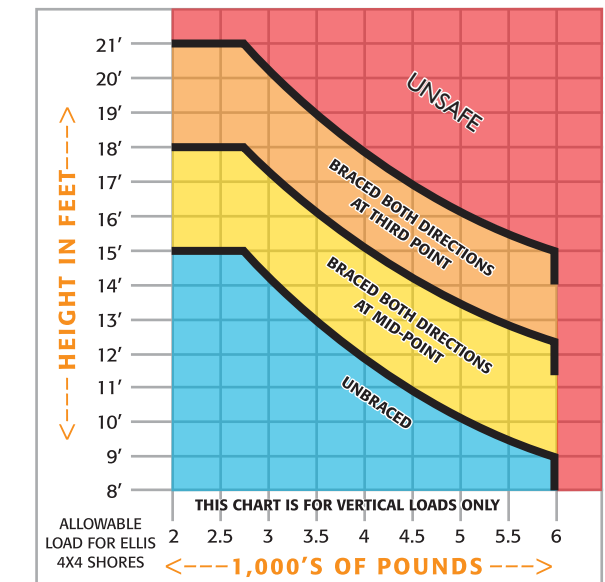
### SPECIFICATIONS:

**MATERIALS:** Lower Shore Members are composed of two Ellis Clamps permanently attached with threaded duplex nails. Attach the top clamp 2" from the top of the lower shore member and space the second clamp 12" center to center below the top clamp (Pictured Left). The upper member should be of sufficient length to obtain desired height. Both lower and upper members should be No. 1 Douglas Fir or Yellow Pine, free of heart center, stained and ends squared.

**LENGTH:** For jobs requiring shores 20' or less the lower shore member should be 6' or 7' and the upper shore member long enough to reach desired height. For shores over 20', we suggest putting the upper (or longer) member at the bottom and the lower shore member (with two clamps attached) at the top. By doing this, the bottom member can be braced at recommended intervals and adjustments can be made to the top member by workmen working off scaffold planks laid across the bracing. This eliminates removing several rows of bracing to make minor adjustments.

### HOW TO USE ELLIS SHORES:

First, get the proper length lumber to make an Ellis Shore of the desired height – that being a 6' or 7' lower shore member and an upper shore member of the proper length. The sketches at the left give some suggestions for best results in the operation of Ellis Shores. Adjustments are made by raising the upper shore member to the approximate shore height, final adjustment is made with the Ellis Jack wrench (see page 4). When the desired height is obtained, the clamps should be tapped down (a hammer lug is provided on the clamp casting) to seat them and a safety nail is driven in the shore above each casting. This nail does not support any load, but simply keeps the clamps from vibrating loose.



**ALLOWABLE LOAD CHART** Allowable maximum value of 6,000 lbs. per shore is based upon a safety factor of 2.5 to 1, against failure of the mechanical mechanism of splice joint.

**ALLOWABLE LOAD:** Table based upon allowable unit stresses of 1,500 lbs. per sq. in. for wood members of fir or yellow pine, free of knots. This table is based upon approved engineering standards, but does not compensate for unusual conditions. Tested Under Loads from 3,000 to More than 20,000 lbs.

## S.E.A.S.

**SAFETY!** Ellis 4x4 shoring methods assure a 2.5:1 safety factor. Shores are double-strong in the middle to prevent buckling; for adequate bracing, nail at any point.

**ECONOMY!** Low initial cost, hundreds of reuses, great time savings, less waste.

**ADAPTABILITY!** Use the same Ellis Equipment on different types of jobs in quick succession... - suspended floor slabs, columns, beams, overpasses, dams, culverts, ramps, bridges, etc.

**SPEED!** Ellis 'Up & Down' Faster Method is job-proven speed advantage. Fewer skilled men required... shores simply slip into place – a big time saver!

### CONTACT US AT:

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4803 N. COOPER  
OKLAHOMA CITY, OK 73118

PHONE: 405-528-4671

FAX: 405-528-1796

www.EllisOK.com

## FOR FAST, EASY SHORE HEIGHT ADJUSTMENT...

The Ellis Jack makes leveling of shores and purlins simple. The Jack grips the wood of the lower shore member and the upper shore member is raised about one inch per stroke through the lifting pressure of the cam at the anchored end of the Jack handle. (see illustration below).

### 4 X 4 JACK WRENCH - STANDARD SPECIFICATIONS

Handle Length.....12"  
Weight.....17 lbs.  
Frame Opening.....3-3/4"  
Lift.....1400 lbs.

ITEM # H-4

**Compatible Ellis Shore sizes for H-4:**  
3x4, 4x4 and 6x4

### 2 X 4 JACK WRENCH SPECIFICATIONS

Handle Length.....12"  
Weight.....9.0 lbs.  
Frame Opening.....3-5/8"  
Lift.....1400 lbs.

ITEM # H-2

**Compatible Ellis Shore Size for H-2:**  
2x4 and 3x4

### 6 X 6 JACK WRENCH SPECIFICATIONS

Handle Length.....12"  
Weight.....20 lbs.  
Frame Opening.....5-3/4"  
Lift.....1400 lbs.

ITEM # H-6

**Compatible Ellis Shore Size for H-6:**  
4x6 and 6x6

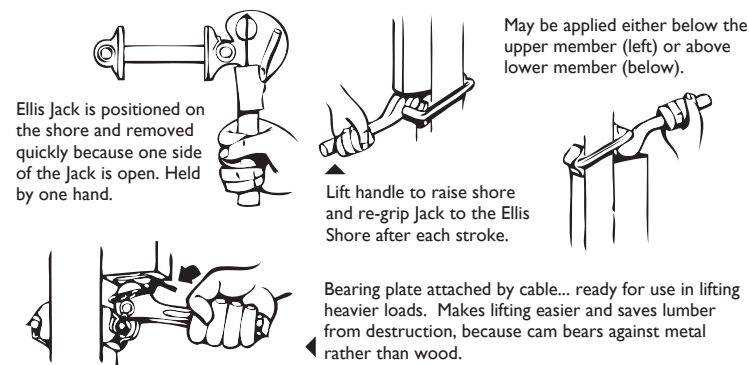
### MATERIAL

Permasteel (hardened malleable) for better wear and longer life.

### GRIPPING SURFACES

Pivotal plates with serrated surfaces.

This simple Ellis Jack, when used with Ellis Adjustable Shores, will level shores without the time-and-money consuming measuring, cutting, splicing, blocking, or wedging necessary with other methods. The Ellis Jack is a real money-saver!



The ELLIS Jack, as is, will lift up to 1400 lbs. With a 3' piece of pipe slipped on the handle, the Jack will lift up to 3000 lbs.

**Simple to Use...  
Ellis Jack Lifts 1" per Stroke...  
Only One Needed Per Each 200 Shores!**

### 4X4 JACK WRENCH



### 2X4 JACK WRENCH



### HOW TO USE THE ELLIS HAND JACK WITH 'ELLIS METHODS'

The Ellis Jack is used in conjunction with Ellis Methods to level forms used in concrete construction. Only a few Ellis Jacks are needed around the job – one for each 100 or even 200 shores. One workman, using the Ellis Jack, can level shores by himself. He simply holds the Jack by the handle with one hand, slips it onto the lower shore member just below the bottom of the upper member, using the other hand to guide the back plate into position. Then he jacks the handle one stroke, which raises the upper member and the form it is supporting about 1-inch. He jars the back plate of the jack wrench loose and slips it up into position for the next stroke. Time required for each stroke is about 5-seconds. A story pole and level line may be used for measuring story height to which form must be adjusted. NOTE: The Ellis Jack is not used for lowering forms. This is done by simply tapping Shore Clamps one at a time with hammer. Nor is the hand Jack recommended for lifting loads of over 1,400 lbs. (Such as forms and concrete which require correction).

## ELLIS SHORES SIMPLY 'SLIP IN'!

Eliminating the need for old-fashioned shore-making, which entailed measuring, cutting, nailing, wedging, etc., the Ellis Slip-In Shore Holders saves a tremendous amount of lumber, time and labor. Just attach 'SH's' at desired distance apart along the purlin, with duplex nails, and they are ready to receive adjustable Ellis Shores. After the assembly of end shores and purlins are raised and braced, it's easy to 'slip in' the in-between shores... only a few seconds are required. Instead of three men to erect a shore, just one man is needed.

**Below are the different types of Ellis Slip-In Shore Holders. Each are used with 4x4 shoring lumber.**

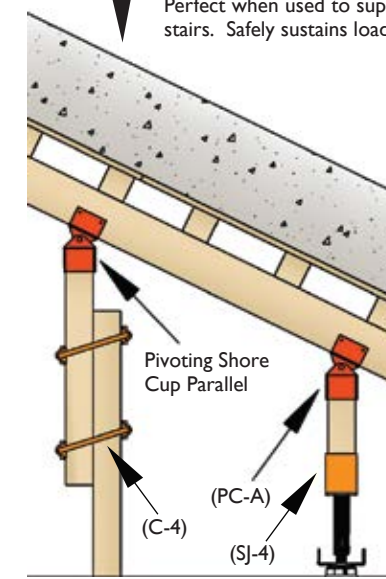
### SPECIFICATIONS FOR ITEM # SH-4C:

CUP TYPE 3/16" steel  
SIZE 4 x 4  
WEIGHT 1 1/2 lbs.

### DESCRIPTION:

Fits 4 x 4 or 4 x 6 Purlins.  
SPACING: Nail to Purlins 2' to 6' apart, depending on slab thickness.

Shore cup swivels parallel to the Purlin/Stringer it attaches to. Perfect when used to support form work for pouring ramps and stairs. Safely sustains loads up to 6000 Lbs. at 32 degrees.



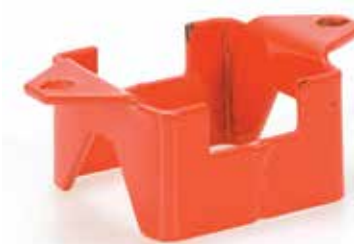
PIVOTING SHORE CUP PARALLEL  
ITEM # PC-A44 (4x4), PC-A66 (6x6)

### SHORE CUP



ITEM # SH-4C

### SHORE CUP FOR ALUMINUM PURLIN



ITEM# SH-4CA

### SHORE HOLDER WIRE TYPE



ITEM # SH-WH4

### PIVOTING SHORE CUP PERPENDICULAR



ITEM # PC-B44 (4x4), PC-B66 (6x6)

### PIVOTING SHORE CUP FLAT PLATE\*



ITEM # PCFP-44 (4x4), PCFP-66 (6x6)

\* Designed to fit 4x4 (PCFP-44) or 6x6 (PCFP-66) Shoring Lumber.

### ELLIS PIVOTING HEAD SHORE CUP A, B, & FLAT PLATE

NO MORE SHIMMING between Ellis Shore and Purlin / Stringer. Before, form builders would have to shim between the Ellis Shore and Purlin / Stringer when the angle created between the two was not 90 degrees. Now, the Pivoting Shore Cup allows the two to easily be adjusted without shimming, saving you an immeasurable amount of time and money.

Shore cup swivels perpendicular to the Purlin/ Stringer it attaches to. Perfect when used to catch leaning shores supporting form work around the perimeter of a building.

Shore cup can be made to swivel either direction (parallel or perpendicular to the purlin/stringer). Four 9/16" holes provided in plate so attaching to an aluminum or wood stringer is made easy.

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### PURLIN SPLICER - ITEM # PS-4

#### SPECIFICATIONS:

**MATERIAL:** 3/16" steel  
**SHORE SIZE:** 4 x 4, **PURLIN SIZE:** 4x4 or 4x6  
**WEIGHT:** Purlin Splicer 3 1/2 lbs.  
 Red Head 4 1/2 lbs.

**DESCRIPTION:** This product assures the secure joining of purlins to an Ellis Shore.

#### ITEM # PS-6

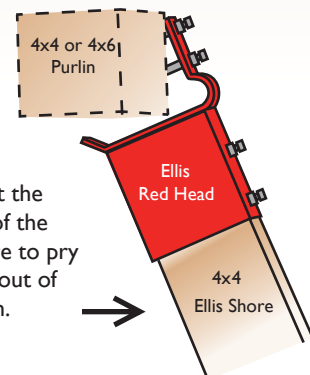
#### SPECIFICATIONS:

**MATERIAL:** 3/16" Steel  
**SHORE AND PURLIN SIZE:** 6X6  
**WEIGHT:** 10 LBS.

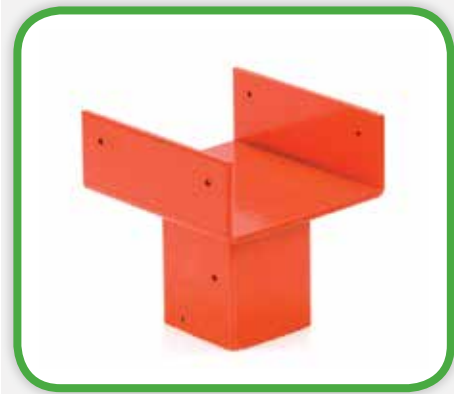


### RED HEAD - ITEM # RH-4

The design of the Ellis Red Head ensures speedy tear down.

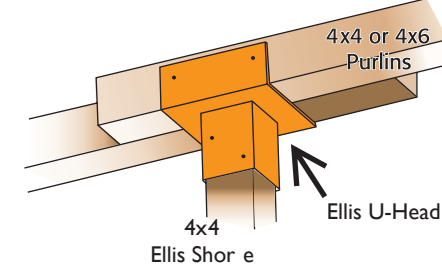


Simply lift the bottom of the Ellis Shore to pry the nails out of the purlin.



### ELLIS U-HEAD - ITEM # UH-4

A more cost effective alternative to splicing purlins / stringers, the Ellis U-Head will save you an immeasurable amount of time pre-viously spent cutting purlin / stringer lum-ber and splicing them together by allowing them to "slide by" each other.



#### SPECIFICATIONS:

**MATERIALS:** 1/4" steel welded to 4" square tube  
**WDTH:** inside dimensions of top is 7-1/4"  
**WEIGHT:** 10 lbs.

**DESCRIPTION:** This product is made to fit 4 x 4 Ellis Shores only. 2 - 4 x 4's or 4 x 6's side by side can be used for purlins / stringers.

**ELLIS RED HEAD ALLOWS PURLINS TO COME OUT FAST WHEN DISMANTLING. NO MORE PULLING OUT NAILS.**

### ONE PART SPLICES PURLINS AND RECEIVES SHORE!

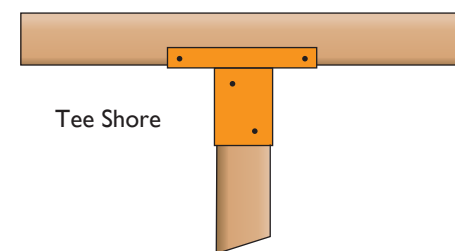
Here is the simplified way to do two jobs at once in shoring: Nailed to adjoining ends of two purlins, it is a splicer... with a shore slipped into the bottom part, it is a shore holder! Thus L-shaped assemblies of purlins and shores can be extended to any desired length, and a shore supports at the exact center of each joint.



### ELLIS T-HEAD - ITEM # TH-4

#### LESS NAILING! SAFEGUARD AGAINST RACKING!

Think of the money you can save by switch-ing to Ellis T-Heads and using Ellis Methods on purlin assemblies, beam forms, etc.! If you have been using conventional heads, you can eliminate – per average head – driving about 25 nails, making 6 saw cuts, and ruining 6 or 7 lineal feet of 1 x 4 or 1 x 6. And you can get hundreds of re-uses! The Ellis T-Head makes this economy possible. Attached to the top of an upper shore member the T-Head is used either (1) under purlins, or (2) joined to a 3' or 4' 4 x 4 at the center to make a tee-shore.



#### SPECIFICATIONS:

**MATERIAL:** 11 Gauge, 4" square tubing welded to 1/8" flat stock (formed)  
**SIZE:** 4" x 4" x 5" tubing: channel 12" long to fit 4 x 4 or 4 x 6  
**WEIGHT:** 7 1/2 lbs.

**DESCRIPTION:** This product is made to fit 4 x 4 Ellis Shores only. 4 x 4's or 4 x 6's can be used for T member.



### 4X4 JOIST HOLDER ITEM# JH-4

**MATERIALS:** 1/8" Steel Plate welded to 4" Square Tubing.  
**Shore Size:** 4x4 (use with SJ-4 or C-4).  
**Joist Size:** 2x4, 2x6, etc.  
**Weight:** 4 lbs.

This Item is also made to fit Double (JHD-4) or Triple (JHT-4) 2x4 joists (see drawings to the right).

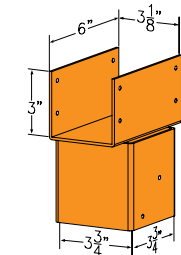


### 6X6 JOIST HOLDER ITEM# JH-6

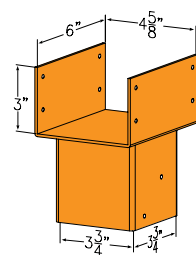
**MATERIALS:** 1/8" Steel Plate welded to 6" Square Tubing.  
**Shore Size:** 6x6 (use with SJ-6 or C-6).  
**Joist Size:** 2x4, 2x6, etc.  
**Weight:** 8 lbs.

This Item is also made to fit Double (JHD-6) or Triple (JHT-6) 2x4 joists (see drawings to the right).

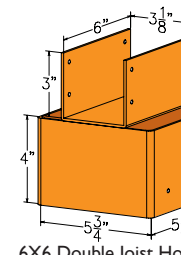
Joist Holders are also available to fit Double and Triple 2x Joists.



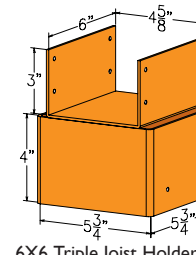
4X4 Double Joist Holder  
 ITEM# JHD-4  
 Weight: 4 lbs.



4X4 Triple Joist Holder  
 ITEM# JHT-4  
 Weight: 4.5 lbs.



6X6 Double Joist Holder  
 ITEM# JHD-6  
 Weight: 8 lbs.



6X6 Triple Joist Holder  
 ITEM# JHT-6  
 Weight: 8.5 lbs.

# ELLIS SLOTTED PURLIN SPLICERS

Ellis Slotted Purlin Splicers assure faster erection and dismantling of Ellis Shoring System. Purlin ends splice together without nailing them to Ellis Shores or Purlin Splicers.



### 4X4 SLOTTED SPLICER FOR LUMBER PURLIN ITEM# PS-4S

**MATERIALS:** 1/8" Steel Plate welded to 4x4 Square Tubing  
**SHORE SIZE:** 4x4 (Item # C-4 see page 2)  
**PURLIN SIZE:** 4x4 or 4x6 Lumber  
**WEIGHT:** 5 lbs.

This Item is also made to fit a 4x6 / 6x4 Ellis Shore (Item # PS-46S).



### 4X4 SLOTTED SPLICER FOR ALUMINUM PURLIN ITEM# PS-4SA

**MATERIALS:** 1/8" Steel Plate welded to 4x4 Square Tubing  
**SHORE SIZE:** 4x4 (Item # C-4, see page 2)  
**PURLIN SIZE:** 5" wide  
**WEIGHT:** 6 lbs.

(Pictured in Illustration Below)



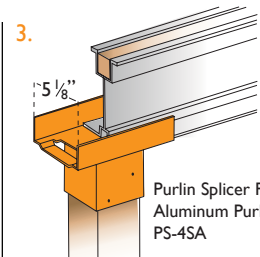
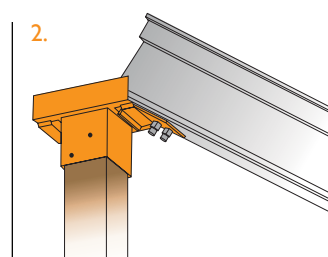
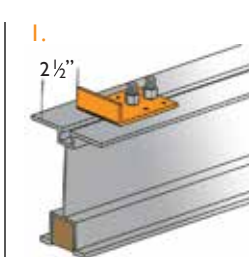
### ANGLE PLATE ITEM # AP-1

**MATERIALS:** 3/16" x 3" steel strip, bent with a 90 degree angle  
**WEIGHT:** 14 oz.  
 4 - 3/16" Nail Holes (for 4x4 or 4x6 Purlin)  
 2 - 5/8" Bolt Holes (for Aluminum Purlin)

**ELLIS SLOTTED PURLIN SPLICERS WILL SAVE YOU AN IMMEASURABLE AMOUNT OF LABOR.**

#### HOW TO:

1. First attach the Angle Plate 2-1/2" from each end of the 4x4, 4x6 or aluminum purlin.
2. Next the Purlin is raised and the Angle Plate at each end placed in the slot of the purlin splicer.
3. Dismantling is made simple because Purlin Splicers are not nailed to purlins or Ellis Shores.



# WALL BRACING SYSTEM

ALIGN FORMS FOR WALLS, COLUMNS OR BEAMS WITH...

## ELLIS WALL BRACES

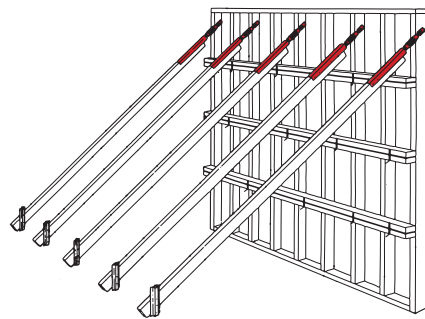
Ellis Wall Braces can be attached quickly to the top end of a 2 x 4 brace. Note also the rolled angle, which makes the metal fit well against the lumber and gives increased strength to the brace. 1" self-cleaning coil threads and all 2" welds. Use them on wall, column and beam forms. Bracing and alignment are fast and sure with Ellis Wall Braces.

### SPECIFICATIONS

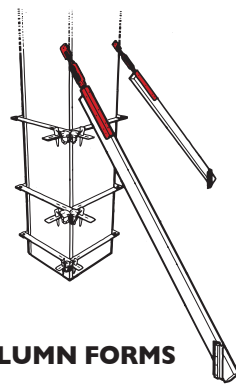
**MATERIALS:** Steel, with welded steel turnbuckle.

**WEIGHT:** 8 lbs. each.

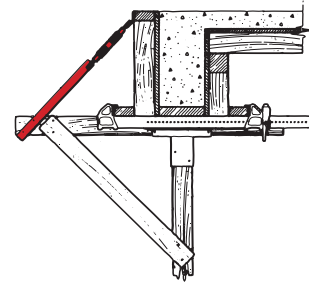
**DESCRIPTION:** Standard angle is 45 degrees.



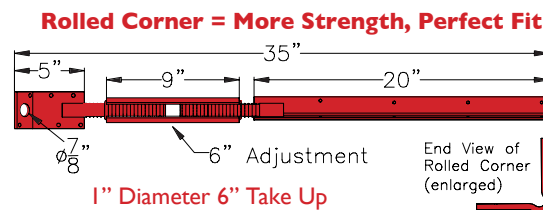
BRACING FOR WALL FORMS



COLUMN FORMS



SPANDREL BEAM FORMS



WALL BRACE  
ITEM #WB

# ADJUSTABLE ELLIS KICK BRACE

ALIGN EDGE FORMS, DROP BEAM SIDES, AND LOW WALL FORMS WITH ELLIS ADJUSTABLE KICK BRACES.

Ellis Kick Braces can be attached quickly by nailing two nails in each end plate. Each brace can be placed at any angle, and can be adjusted quickly by turning the turnbuckle. Self-cleaning coil threads and full length welds are other outstanding features. Use strong and durable Ellis Kick Braces for many years.

### SPECIFICATIONS

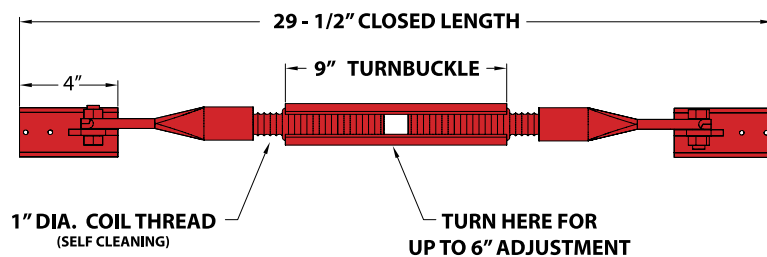
**MATERIALS:** All Steel

**WEIGHT:** 10 1/2 lbs.

### DESCRIPTION:

Each end swivels 180 degrees. Can be used at any angle.

Will support 2,800 lbs. (includes 2.5 to 1 factor of safety).



KICK BRACE  
ITEM # KB-1

**CONTACT US AT:**  
ELLIS MANUFACTURING COMPANY, INC.  
4803 N. COOPER  
OKLAHOMA CITY, OK 73118

**PHONE:** 405-528-4671

**FAX:** 405-528-1796

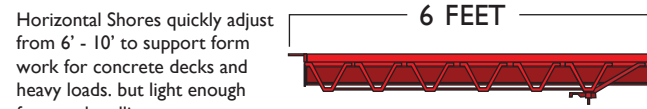
[www.EllisOK.com](http://www.EllisOK.com)

# HORIZONTAL SHORES

## SHORES

Horizontal Shores allow form builders to set up and tear down quickly by reducing the total number of shores needed to support form work. Quickly open and close wedge lock with strike of a hammer.

Horizontal Shores work great for shoring form work, pouring concrete decks, bridges, and box culverts. They can be used for shoring situations with or without Ellis Shores.



Horizontal Shores quickly adjust from 6' - 10' to support form work for concrete decks and heavy loads, but light enough for easy handling.

ITEM # HS-610



----- AVAILABLE IN 3 SIZES -----

### ITEM # HS-46

#### SPECIFICATIONS:

**MATERIAL:** Steel

**SIZE:** Adjusts From 3'7" - 6'2"

**WEIGHT:** 45 lbs.

### ITEM # HS-610

#### SPECIFICATIONS:

**MATERIAL:** Steel

**SIZE:** Adjusts From 6' - 10'

**WEIGHT:** 64 lbs.

### ITEM # HS-813

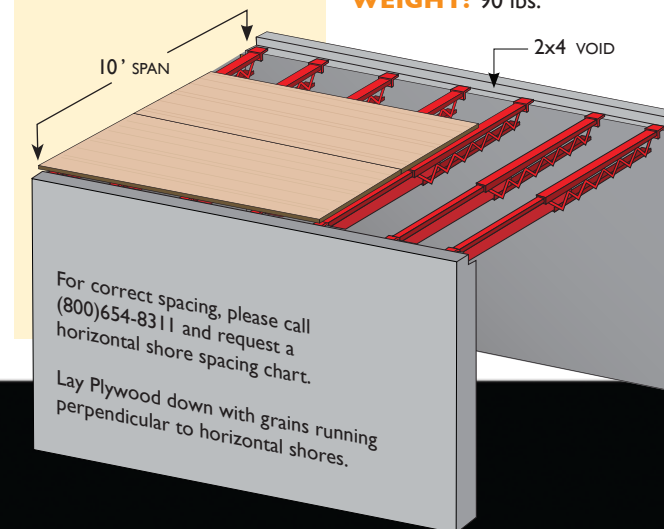
#### SPECIFICATIONS:

**MATERIAL:** Steel

**SIZE:** Adjusts From 8' - 13'

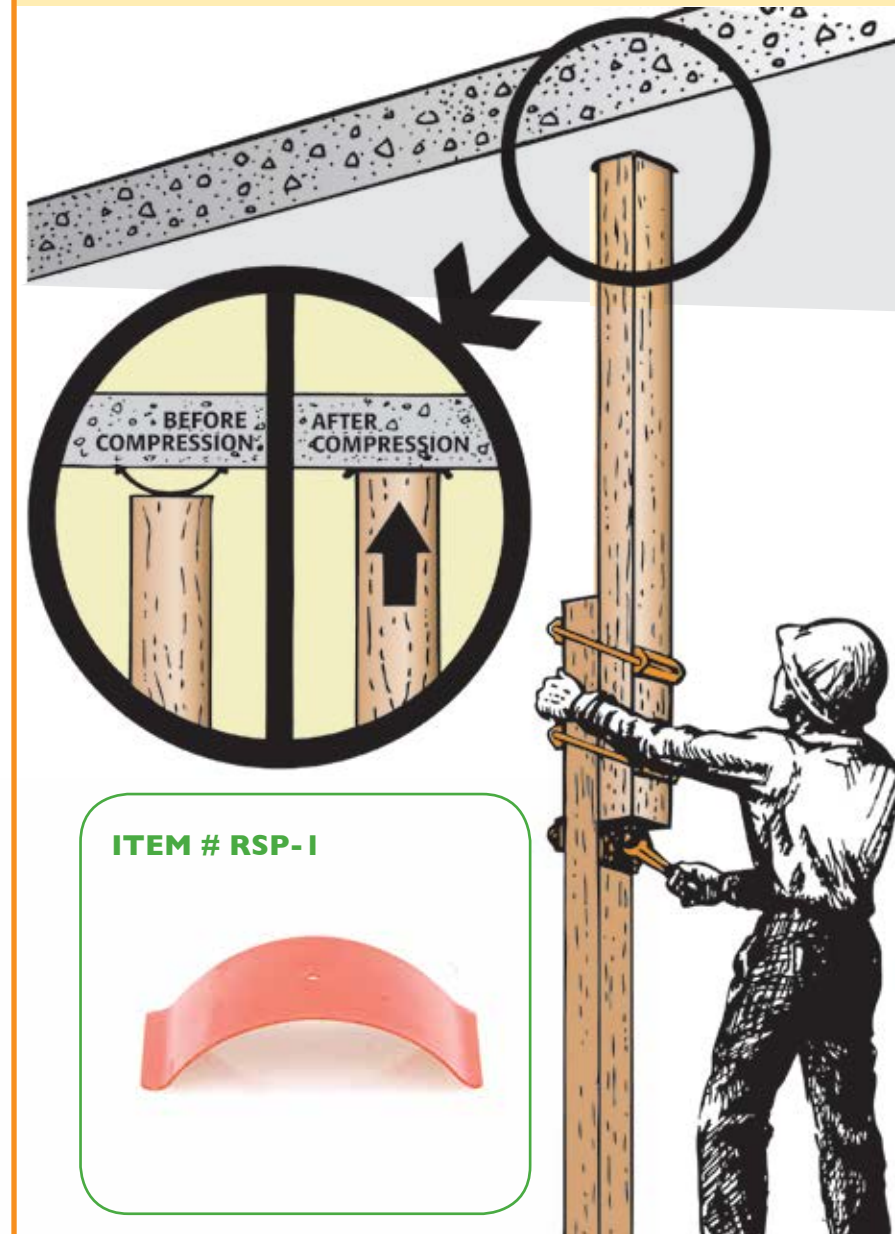
**WEIGHT:** 90 lbs.

ELLIS HORIZONTAL SHORES USED TO QUICKLY FORM A BOX CULVERT.



# RE-SHORE SPRING

Keeping your shore tight against any slab is made easy during re-shoring with Ellis Re-shore Springs. No more wasted lumber or labor used in cutting and nailing shims to the top and bottom of each shore. Just one nail hole is needed to secure the re-shore spring to your shore tops. Then jack the Ellis shore up tight against the slab with the Ellis Jack Wrench (pg 4). Although 200 lbs. compresses each re-shore spring flat, it returns to its original shape to be used again and again.



ITEM # RSP-1



### ITEM #RSP-1

#### SPECIFICATIONS:

**MATERIAL:** Steel

**SIZE:** 3.5" x 5" uncompressed

**WEIGHT:** 3 oz.



**Heavy Duty**

**PATENTED**

- Item #STL-10HD
- 10" - 14 ft. lengths available.
- Removable top with interchangeable custom designs.
- Thrust bearings reduce friction during adjustment.
- Safety Lock

HEAVY DUTY WITH BEARINGS IN ADJUSTMENT HANDLE					
ITEM #	Range Of Adjustment	Safety Lock	Load Capacity Safe Working (Lbs.)	Thrust Bearings	Weight Lbs.
STL-10HD	10" to 14" - Adj. 4"	✓	56,000	✓	34
STL-13HD	13" to 20" - Adj. 7"	✓	52,000	✓	37
STL-19HD	19" to 32" - Adj. 13"	✓	48,000	✓	43
STL-31HD	31" to 56" - Adj. 25"	✓	40,000	✓	55
STL-55HD	55" to 80" - Adj. 25"	✓	34,000	✓	73
STL-79HD	79" to 104" - Adj. 25"	✓	30,000	✓	87
<b>STL-103HD</b>	<b>103" to 128" - Adj. 25"</b>	✓	27,000	✓	99
<b>STL-127HD</b>	<b>127" to 152" - Adj. 25"</b>	✓	26,000	✓	116
<b>STL-151HD</b>	<b>151" to 176" - Adj. 25"</b>	✓	25,000	✓	131



**Light Duty with Bearings**

**PATENTED**

- Item #STL-10
- 10" - 14 ft. lengths available.
- Removable top with interchangeable custom designs.
- Thrust bearings reduce friction during adjustment.
- Safety Lock

LIGHT DUTY WITH BEARINGS IN ADJUSTMENT HANDLE					
ITEM #	Range Of Adjustment	Safety Lock	Load Capacity Safe Working (Lbs.)	Thrust Bearings	Weight Lbs.
STL-10	10" to 14" - Adj. 4"	✓	20,000	✓	18
STL-14	14" to 22" - Adj. 8"	✓	20,000	✓	23
STL-22	22" to 38" - Adj. 16"	✓	16,000	✓	25
STL-38	38" to 62" - Adj. 24"	✓	12,000	✓	32
STL-62	62" to 86" - Adj. 24"	✓	8,000	✓	39
STL-86	86" to 110" - Adj. 24"	✓	5,000	✓	45
STL-110	110" to 134" - Adj. 24"	✓	3,000	✓	53



**Standard**

**PATENTED**

- Item #STL-13
- 10" - 14 ft. lengths available.
- Removable top with interchangeable custom designs.
- Safety Lock

STANDARD WITHOUT BEARINGS IN ADJUSTMENT HANDLE					
ITEM #	Range Of Adjustment	Safety Lock	Load Capacity Safe Working (Lbs.)	Thrust Bearings	Weight Lbs.
STL-13	13" to 17" - Adj. 4"	✓	20,000	✗	18
STL-19	19" to 27" - Adj. 8"	✓	18,000	✗	21
STL-23	23" to 35" - Adj. 12"	✓	16,000	✗	23
STL-37	37" to 61" - Adj. 24"	✓	12,000	✗	31
STL-61	61" to 85" - Adj. 24"	✓	8,000	✗	38
STL-85	85" to 109" - Adj. 24"	✓	5,000	✗	44
STL-109	109" to 133" - Adj. 24"	✓	3,000	✗	52

**ELLIS STEEL SHORES - HEAVY DUTY, LIGHT DUTY, AND STANDARD**



Provide a quick, easy, and safe way to support structures. Use as temporary or permanent support in commercial or residential applications, for example: as reinforcement under concrete beams and slabs; wood, steel, or aluminum beams; and as additional support in crawl spaces under floors, ceilings and attics.

**EASY INSTALLATION**

To install the Steel Shore, simply turn the nut to raise or lower the screw and top plate. Lastly, lock the adjustment nut using the Safety Lock set screw to prevent further height adjustment of the shore.

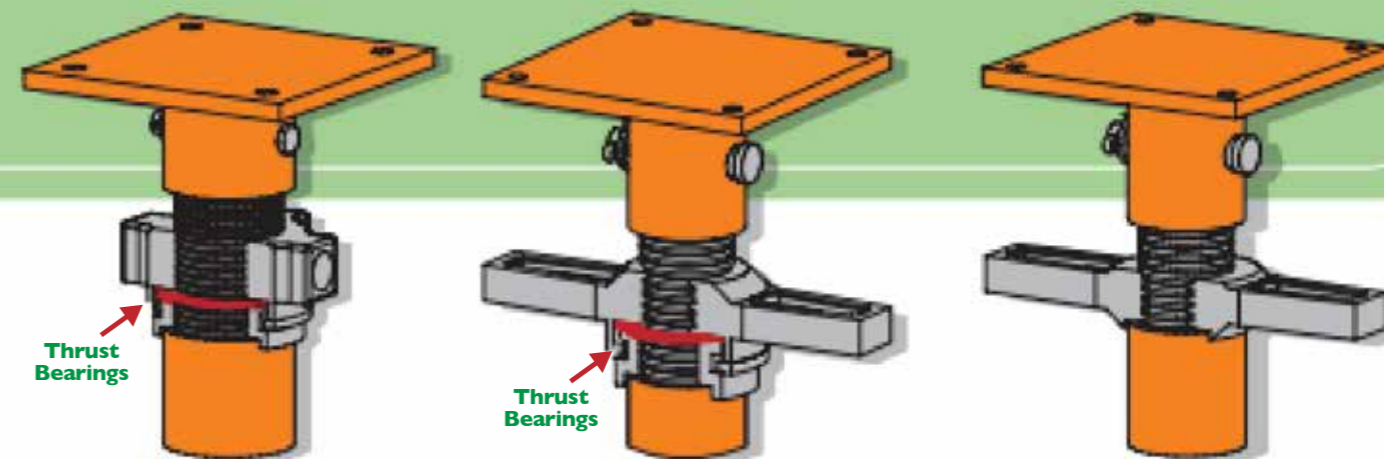
**THRUST BEARING AND SAFETY LOCK**

In the illustrations, you will notice the thrust bearings inside the adjustment nuts. This patented design, found in the Light and Heavy Duty Steel Shores, greatly reduces the amount of friction caused when adjustment to the wing nut is made under load and significantly increases its jacking capability.

Unlike the Standard Steel Shore, these with Bearings are built as one complete unit to aid in uplift resistance and do not come apart. Furthermore, we've added the Safety Lock set screw in the side of the nut, and when tightened down locks the adjustment handle in place for permanent or long term shoring applications.

The top plate is attached with a clevis pin and interchangeable with different designs (see below).

All shoring applications should be properly braced to prevent lateral shifting. Consult with a certified structural engineer for approval of any Ellis Manufacturing Products.



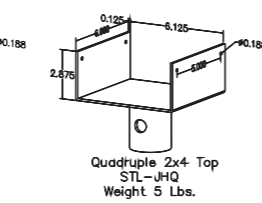
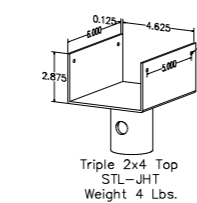
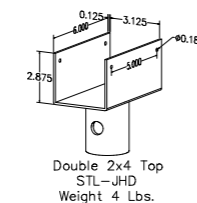
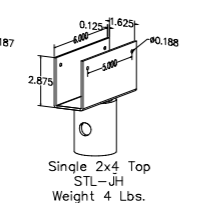
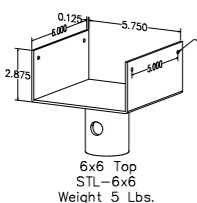
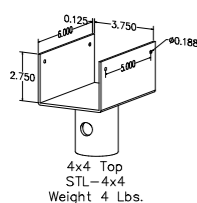
STL-HEAVY DUTY

STL-LIGHT DUTY

STANDARD STL

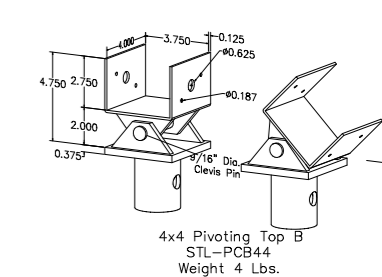
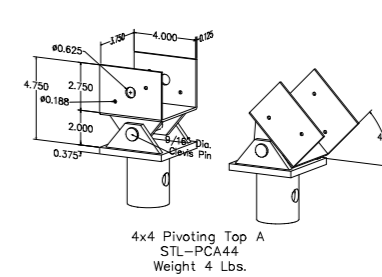
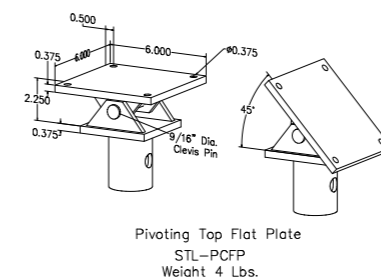
**CUSTOM U-HEAD STEEL SHORE TOPS**

- Available for:
- Heavy Duty
  - Light Duty
  - Standard



**CUSTOM PIVOTING STEEL SHORE TOPS**

- Available for:
- Heavy Duty
  - Light Duty
  - Standard



**4X4 SCREW JACK**  
**SPECIFICATIONS: ITEM # SJ-4**  
**FOR STANDARD DRESSED 4X4 LUMBER**  
**Overall Height:** 14-1/4" Screwed Down  
**Range of Adjustment:** 6"  
**Safety Lock System:** 6mm Set Screw

**Acme Screw Size:** 1-1/4" Diameter  
**Top:** 4" x 4" x 5" Square Tube and 1-1/2" x 6-1/2" Pipe  
**Base Plate:** 4" Square Plate with 4 - 5/16" Holes Provided  
**Weight:** 13 lbs.



All Shoring Applications Should Be Properly Braced To Prevent Lateral Shifting. Consult With A Certified Engineer For Approval Before Construction Begins.

**6X6 SCREW JACK ITEM# SJ-6**  
**SPECIFICATIONS:**  
**FOR STANDARD DRESSED 6X6 LUMBER**  
**Overall Height:** 15-1/2" Screwed Down  
**Range of Adjustment:** 6"  
**Safety Lock System:** 6mm Set Screw

**Acme Screw Size:** 1-3/4" Diameter  
**Top:** 6" x 6" x 5" Square Tube and 2" x 6-1/2" Pipe  
**Base Plate:** 5" Square Plate with 4 - 3/8" Holes Provided  
**Weight:** 22 lbs.



All Shoring Applications Should Be Properly Braced To Prevent Lateral Shifting. Consult With A Certified Engineer For Approval Before Construction Begins.

Allowable Shore Loads Wood Shore Capacities

**DOUGLAS FIR DIMENSIONAL LUMBER**

UNSUPPORTED LENGTH IN FT.	LOAD CAPACITY IN POUNDS
4	15,000
6	12,000
8	7,200
10	5,000
12	3,000
14	2,600
15	-0-

Chart is based on values For #1 Douglas Fir South - Free of knots.

**Fully extended allowable load of 4X4 screw jack: 15,000 lbs.**  
**Load capacity based on 2.5/1 Safety factor.**

Allowable Shore Loads Wood Shore Capacities

**DOUGLAS FIR DIMENSIONAL LUMBER**

UNSUPPORTED LENGTH IN FT.	LOAD CAPACITY IN POUNDS
6	30,000
8	30,000
10	27,000
12	20,000
14	15,000
16	11,500
18	8,800
20	6,000

Chart is based on values For #1 Douglas Fir South - Free of knots.

**Fully extended allowable load of 6X6 screw jack: 30,000 lbs.**  
**Load capacity based on 2.5 / 1 Safety factor.**

## ELLIS 4X4 & 6X6 TIMBER JACKS



**4x4 ITEM# TJ-4**  
**Load Capacity:** 15,000 lbs / 7.5 Tons  
**Overall Height:** 9-1/8"  
**Range of Adjustment:** 5"  
**\*Safety Lock System:** 6mm Set Screw  
**Lifting Capacity:** 4000 lbs / 2 Tons  
**Acme Screw Size:** 1-1/4" Diameter  
**Top Plate:** 5-1/2" square. 8 - 5/16" holes. Use either 4x4 or 6x6 Lumber  
**Base Plate:** 5" Square. 4 - 3/8" holes provided  
**Weight:** 11 lbs.

**6x6 ITEM # TJ-6**  
**Load Capacity:** 30,000 lbs / 15 Tons  
**Overall Height:** 9-1/8"  
**Range of Adjustment:** 5"  
**\*Safety Lock System:** 6mm Set Screw  
**Lifting Capacity:** 4000 lbs / 2 Tons  
**Acme Screw Size:** 1-1/2" Diameter  
**Top Plate:** 5-1/2" Square. 4 - 5/16" holes. Use 6x6 Lumber  
**Base Plate:** 5" Square 4 - 3/8" holes provided  
**Weight:** 14 lbs.

Timber jack load capacities are based on 2.5 / 1 Safety factor.

### ELLIS MINI JACK ITEM # MJ-3

**Overall Collapsed Height:** 6.5"  
**Range of Adjustment:** 2.5" from 6.5" to 9"  
**\* Safety Lock System:** 6mm Set Screw  
**Safe Load Capacity:** 15,000 lbs  
**Lifting Capacity:** 3,000 lbs with 12" Turning Bar.  
**Acme Screw Size:** 1-1/4" diameter  
**Top and Base Plate:** 4" Square, 1/4" Holes.  
**Weight:** 8 lbs.



### ELLIS MINI JACK ITEM # MJ-6

**Overall Collapsed Height:** 9.5"  
**\*Safety Lock System:** 6mm Set Screw  
**Range of Adjustment:** 5.5" from 9.5" to 15"  
**Safe Load Capacity:** 15,000 lbs  
**Lifting Capacity:** 3,000 lbs with 12" Turning Bar.  
**Acme Screw Size:** 1-1/4" diameter  
**Top and Base Plate:** 4" Square, 1/4" Holes.  
**Weight:** 8 lbs.

### SAFETY LOCK SYSTEM:

Added safety feature to all of our adjustable screw type shoring products. To prevent adjustment, tighten the 6mm set screw with an allen wrench to lock the adjustment handle.

For a rugged and durable piece of hardware in the Ellis line, none get it done like the Ellis Bridge Jack. With top and bottom plates measuring 1/2" x 9" x 9" for support, the Acme Screw is 2 and a 1/2" in diameter and greased for easy turning and capable of extending a full 3" (BJ-3), 6" (BJ-6), or 12" (BJ-12). For extra leverage, a 1" steel rod can also be used when turning the screw. Each of the Ellis Bridge Jacks while weighing 45, 60 and 70 lbs can support loads up to 80,000 lbs. The top plate has been attached to swivel freely, allowing the screw to be turned with ease. For added support, gussets on the top and the bottom plate have been added with full length welds.

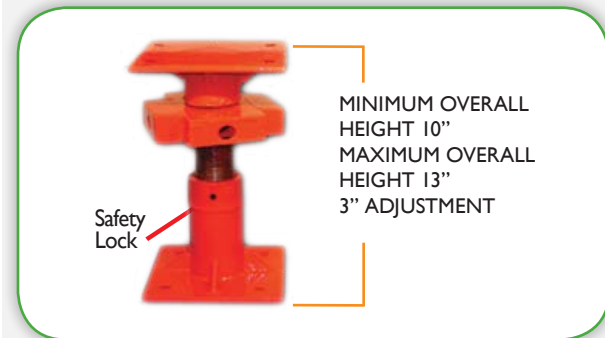
With this kind of hardware, it's no surprise that the Ellis Bridge Jack can support loads up to 80,000 pounds. A favorite of contractors, they fit directly under concrete slabs or beams in tight spots, as well as with timbers for shoring projects. Install the Ellis Bridge Jack at its closed height of 10" (BJ-3), 13" (BJ-6) or 19" (BJ-12) and screw up into position.

Search and Rescue teams also know the value of the Ellis Bridge Jack. With its ability to fit in tight spaces to stabilize concrete slabs or steel beams, the Ellis Bridge Jack is a versatile tool for downed buildings and reinforcement in small areas. It is strength in a small package, when time is of the essence.

ALL SHORING APPLICATIONS SHOULD BE PROPERLY BRACED TO PREVENT LATERAL SHIFTING. CONSULT WITH A CERTIFIED ENGINEER FOR APPROVAL BEFORE CONSTRUCTION BEGINS.

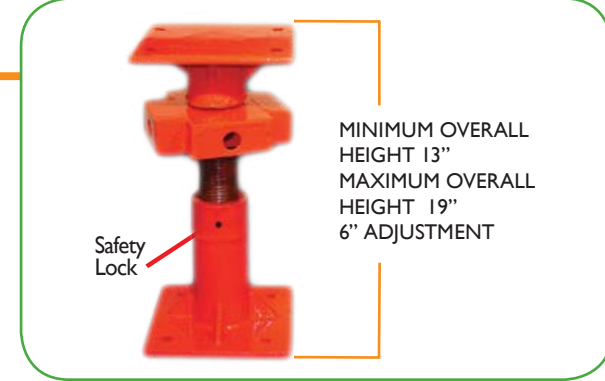
### ITEM # BJ-3

**Overall Height Screwed Down:** 13"  
**Range of Adjustment:** 6" from 13" to 19"  
**Top Plate:** 9" Square with 4 - 9/16" Holes  
**Bottom Plate:** 9" Square with 4 - 9/16" Holes  
**Acme Screw:** 2-1/2" Diameter  
**Weight:** 60 lbs



### ITEM # BJ-6

**Overall Height Screwed Down:** 19"  
**Range of Adjustment:** 12" from 19" to 31"  
**Top Plate:** 9" Square with 4 - 9/16" Holes  
**Bottom Plate:** 9" Square with 4 - 9/16" Holes  
**Acme Screw:** 2-1/2" Diameter  
**Weight:** 71 lbs



LOAD CAPACITY - 80,000 lbs / 40 tons  
 Load Capacities are based on 2.5 / 1 Safety Factor.



## NEED MORE LIFTING POWER? TRY OUR HYDRAULIC JACKS...



### 12 TON HYDRAULIC BOTTLE JACK

**Minimum Height:** 9-1/16"  
**Maximum Height:** 18-1/2"  
**Lifting Height:** 6-1/8"  
**Screw Adjustment:** 3-1/8"  
**Weight:** 17 lbs.



### 20 TON HYDRAULIC BOTTLE JACK

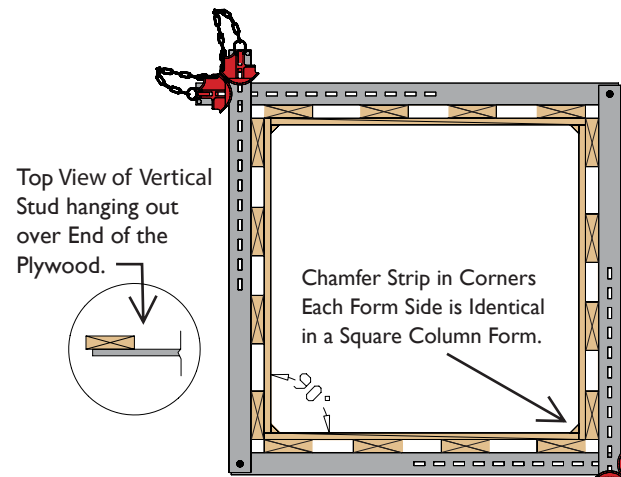
**Minimum Height:** 9-9/16"  
**Maximum Height:** 17-13/16"  
**Lifting Height:** 5-15/16"  
**Screw Adjustment:** 2-3/8"  
**Weight:** 24 lbs.

# ELLIS COLUMN FORM CLAMPS

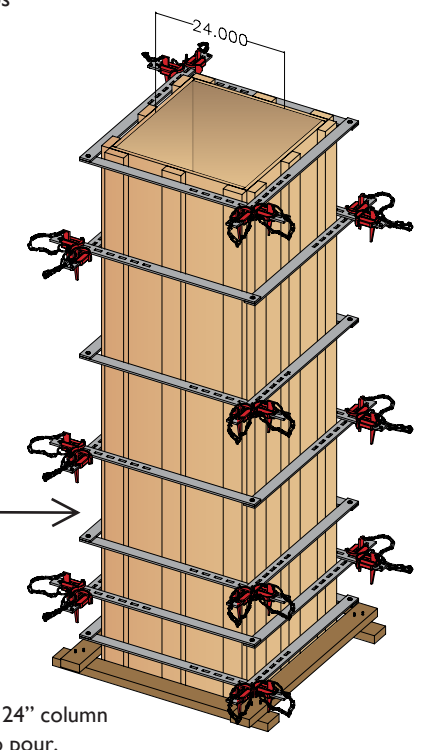
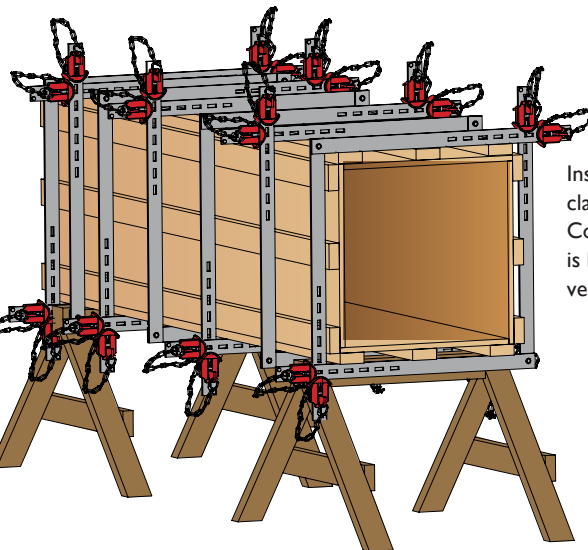
## SCISSOR TYPE - for square or rectangular columns.

Here's the fast, easy and accurate way to form columns with the ELLIS Column Clamps. All parts are connected to make single units with no loose parts to get lost. The units are identical, no right or left, up or down. Only a hammer is needed to put up the form. Steel bars hold the plywood form sides snugly in place, a wedge is dropped into a rectangular-cut slot and tightened with a tap of a hammer. You can reuse many times.

**THE ELLIS COLUMN CLAMPS ARE MADE OF HIGH CARBON STEEL WITH MALLEABLE IRON CASTINGS.**



Nail 2x6 Studs on to Plywood Sides at Equal Spacing. One Vertical Stud will always hang out 3/4" over one end of the Plywood. All 4 Sides fit together easily with this Method. Column Form Clamps hold 4 Sides Together. Castings Automatically Square the Forms as the Column Clamps are tightened.



ITEM #	Column Clamp Size	Bar Size	Weight per Set	Net Concrete Column Dimensions Using 3/4" Plywood and 2 x 6 studs	
				Minimum	Maximum
CC-38	38"	3/8" x 2" x 38"	34 lbs.	10" x 10"	24" x 24"
CC-48	48"	3/8" x 2 1/2" x 48"	55 lbs.	10" x 10"	34" x 34"
CC-60	60"	3/8" x 3" x 60"	80 lbs.	22" x 22"	46" x 46"

\*Special sizes are also available at customer's request.

**CONTACT US AT:**  
ELLIS MANUFACTURING COMPANY, INC.  
4803 N. COOPER  
OKLAHOMA CITY, OK 73118

**PHONE:** 405-528-4671  
**FAX:** 405-528-1796  
www.EllisOK.com

# ELLIS COLUMN FORM CLAMPS

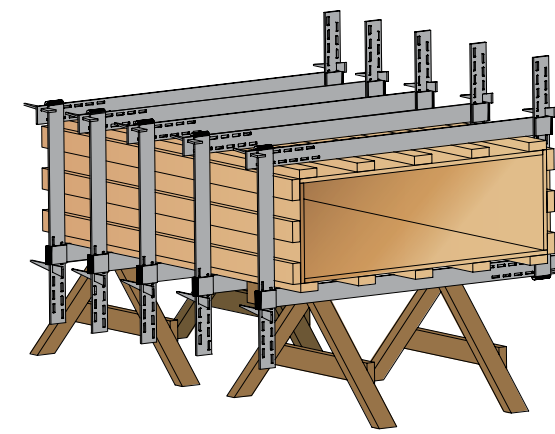
## SINGLE BAR TYPE

The Ellis Single Bar Column Form Clamp is a simple way to clamp column forms. There are no moving parts and every bar is interchangeable. Only a hammer is needed to assemble the Column Form Clamps. They can be used for square or rectangular columns. 1-1/2" Slots are spaced 1" apart. Hook the bars together and drive the wedge down to tighten each corner. Remove clamps fast with a tap of the hammer for dismantling. Each bar can be nested together for storage.

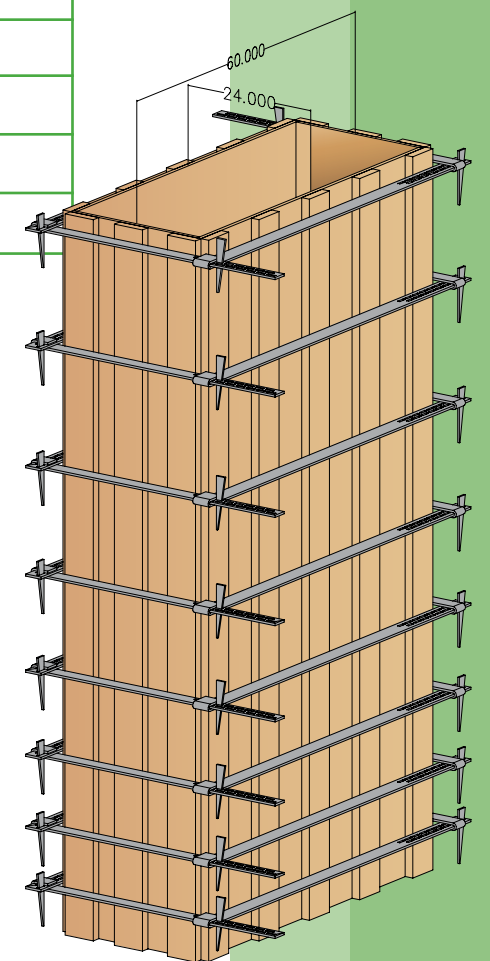


ITEM #	BAR SI ZE	WEIGHT EACH	RANGE OF ADJUSTMENT (outside dim. of forms).	NET CONCRETE COLUMNS DIMENSIONS USING 3/4" PLY WOOD AND 2x6 STUDS
SB-24	3/8" x 2 1/2" x 39"	10 lbs.	13" to 28"	9" to 24"
SB-36	3/8" x 2 1/2" x 51"	14 lbs.	25" to 40"	21" to 36"
SB-48	3/8" x 3" x 64"	18 lbs.	37" to 52"	33" to 48"
SB-60	3/8" x 3" x 76"	22 lbs.	49" to 64"	45" to 60"
SB-72	3/8" x 3" x 88"	26 lbs.	61" to 76"	57" to 72"
SB W-1	9" Wedges	12 oz.		

\*Special sizes are also available at customer's request.



Set up Column Form horizontally to install Form Clamps.



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www.EllisOK.com



36" Guardrail Stanchion



**ELLIS MANUFACTURING'S GUARDRAIL STANCHIONS ARE FAST, SAFE, STRONG, AND AN AFFORDABLE WAY TO BUILD YOUR GUARDRAILS.**

**FAST** Easily and quickly adjusts with handle to fit slabs up to 36". For even faster turning, adjustments can be made with a screw driver by placing it in one of the holes provided in the handle (pictured at bottom). Wrench adjustment is also optional.

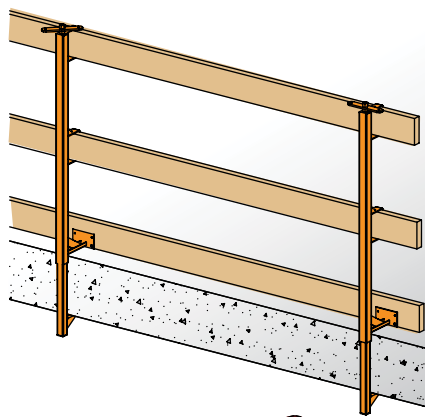
**STRONG** Constructed with 5/8" Acme Screw inside for firm grip on slab. Will withstand horizontal loads in excess of 250 lbs.

**SAFE** Meets and exceeds OSHA standards. Manufactured with quality welds and durable steel.

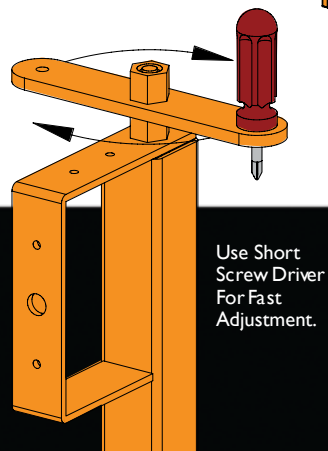
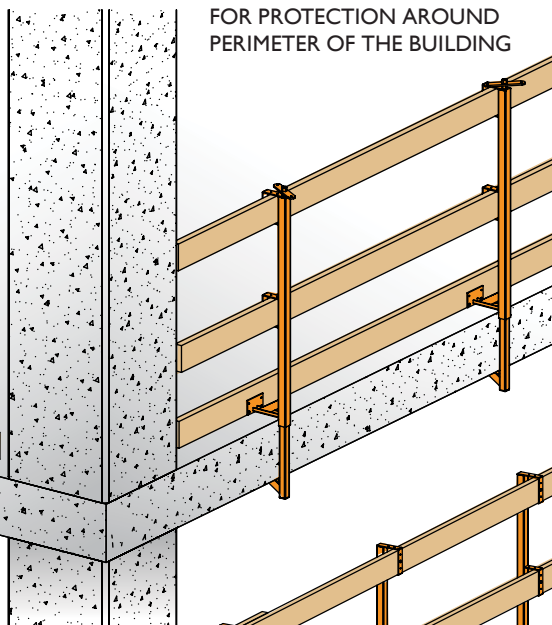
**AFFORDABLE** Like all Ellis Manufacturing Products, this one is built to last and only requires a minimal investment.

**CLAMPS ONTO THE SLAB EVERY 6 FEET. USE 2X4'S, 2X6'S OR CABLE FOR RAILS.**

**36" GUARDRAIL STANCHION**  
ITEM # GRS-1  
WEIGHT: 25 lbs.



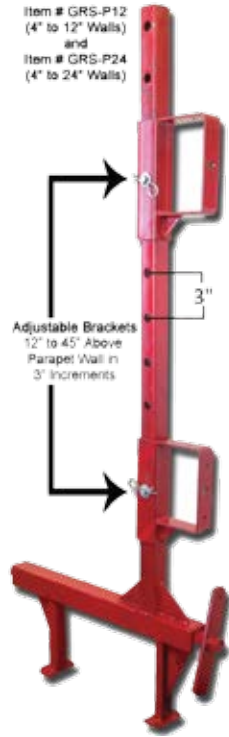
FOR PROTECTION AROUND PERIMETER OF THE BUILDING



Use Short Screw Driver For Fast Adjustment.

## Parapet Guardrail

Item # GRS-P12 (4" to 12" Walls) and Item # GRS-P24 (4" to 24" Walls)



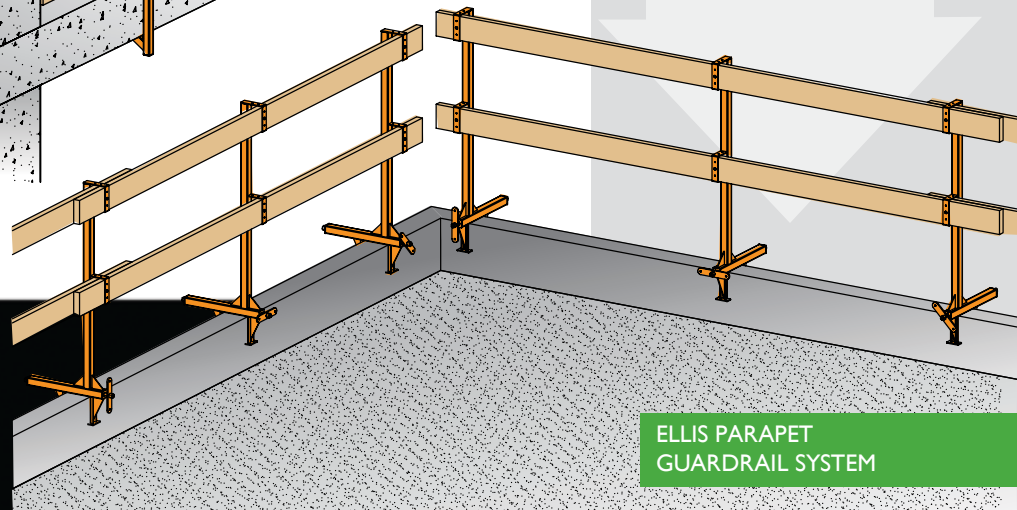
2 Sizes Available

### ELLIS 12" PARAPET GUARDRAIL SYSTEM

ITEM # GRS-P 12  
WEIGHT: 23 lbs.  
Secures to top of walls from 4" to 12".

### ELLIS 24" PARAPET GUARDRAIL SYSTEM

ITEM # GRS-P 24  
WEIGHT: 30 lbs.  
Secures to top of walls from 4" to 12".



ELLIS PARAPET GUARDRAIL SYSTEM

## ELLIS QUICKRAIL SYSTEMS (TWO TYPES):

Quickly build guardrails around the leading edge of an elevated slab or top of Parapet Wall. The Ellis QuickRails adjust to fit a concrete slab or parapet wall up to 24" thick. Simply turn the handle to accommodate different slab / wall thickness and tighten to clamp down. Place your own 4x4 lumber into the square tubing provided on the QuickRail and attach through the nail holes on the sides. The vertical 4x4 Lumber will allow you to attach 2x6's to it for your horizontal railing. This is a Fast and Affordable way to build your guardrailing!

### ELLIS 12" PARAPET QUICKRAIL

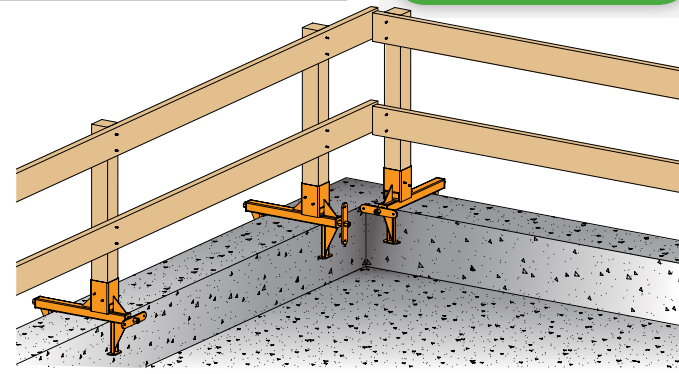
ITEM# QR-P12  
WEIGHT: 15 lbs.  
Secures to the top of walls 4" to 12".

### ELLIS 24" PARAPET QUICKRAIL

ITEM# QR-P24  
WEIGHT: 18 lbs.  
Secures to the top of walls 4" to 24".

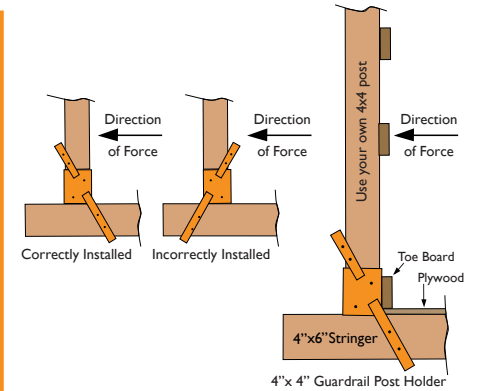
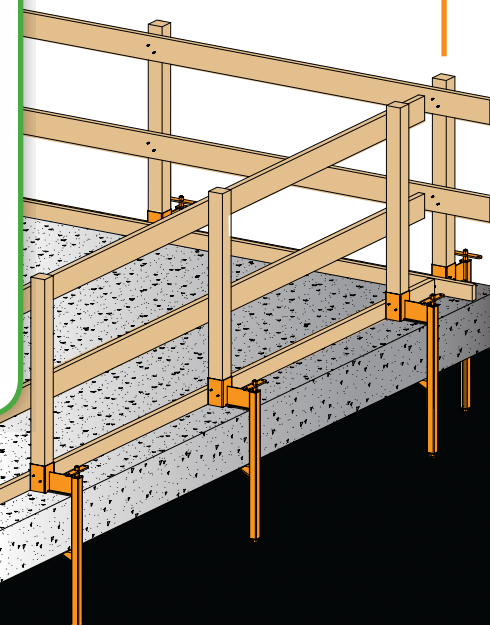


2 Sizes Available



## ELLIS QUICKRAIL SLAB GRABBER

ITEM# QR-SG24  
WEIGHT: 18 lbs.  
Quickly secures to Concrete Slabs up to 24". Slip a 4x4 post in the square tubing and nail your 2x4's or 2x6's to build your railing.



## SLIP ON GUARDRAIL BRACKET

Simple to use. Slip on the end of a 4x4 or 4x6 purlin/stringer (pictured above), and nail into place. Drop in 4X4 post and nail through tubing. Nail on 2X4 rails at preferred heights. This guard rail bracket will fit 4X6 stringers or can be turned over to fit 4X4 joists.

### SPECIFICATIONS:

MATERIAL: 6 lbs.  
WEIGHT: 4" X 4" X 6" square tubing  
1/4" X 1" flat bar.

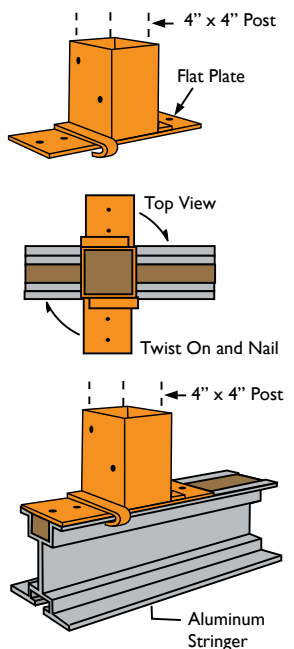
Description: fits 4X4 posts and 4X6 or 4X4 stringers or joists.



ITEM # TGA-L

## TWISTLOCK GUARDRAIL BRACKET

Quickly attaches to aluminum stringers or joists which measure 3 1/4" across the top flange. Twist on and tack down to the wooden nailer. Drop a 4X4 or pipe down into the pocket for the post to build guard railing.



4" x 4" End



4" x 6" End

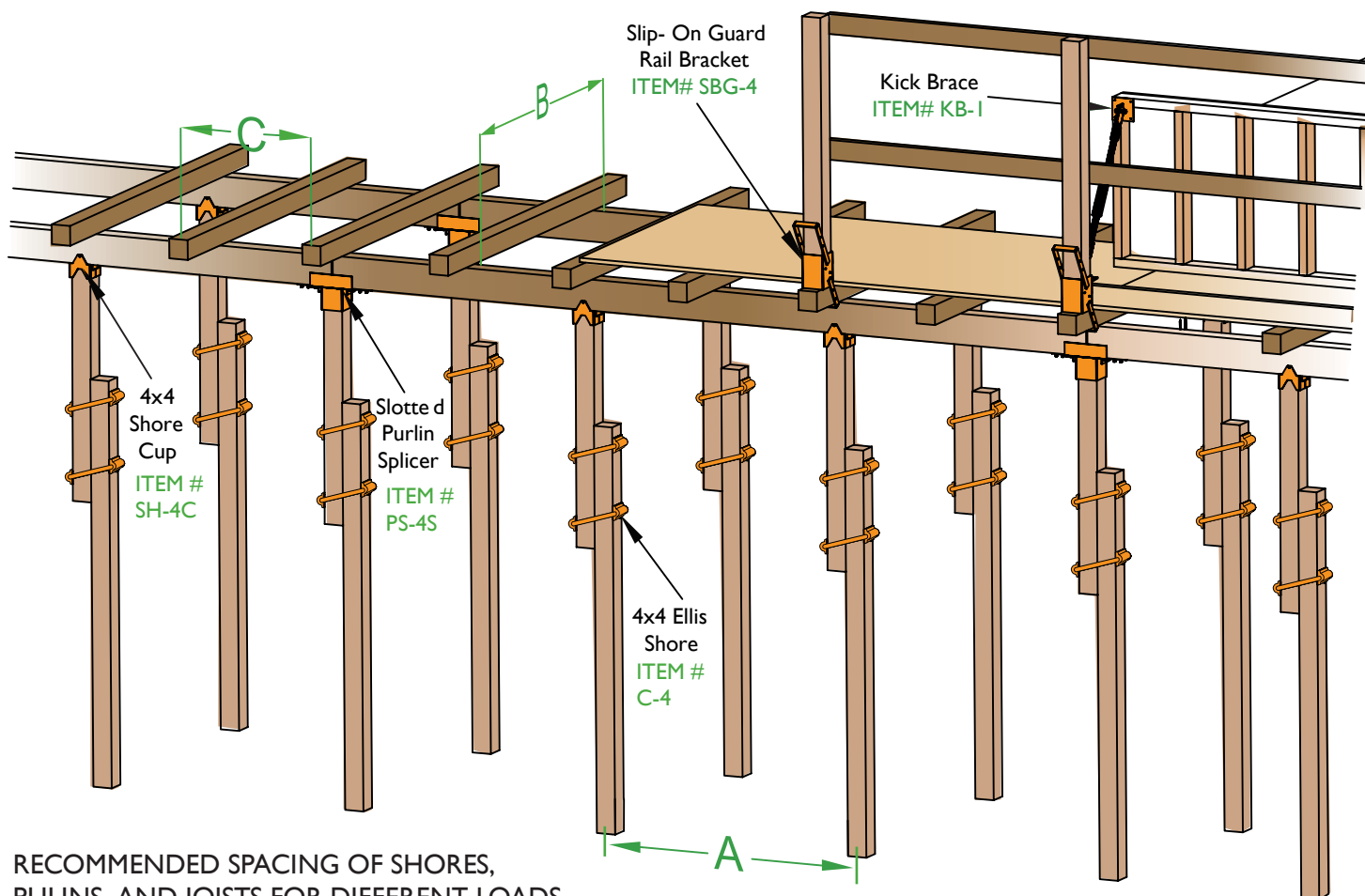
ITEM # SBG-1

**ALL PRODUCTS ON THIS PAGE WILL EXCEED OSHA'S REQUIREMENT OF 200 LBS. LOAD TEST.**

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# SPACING FOR ELLIS SHORES, PURLINS, AND JOISTS.



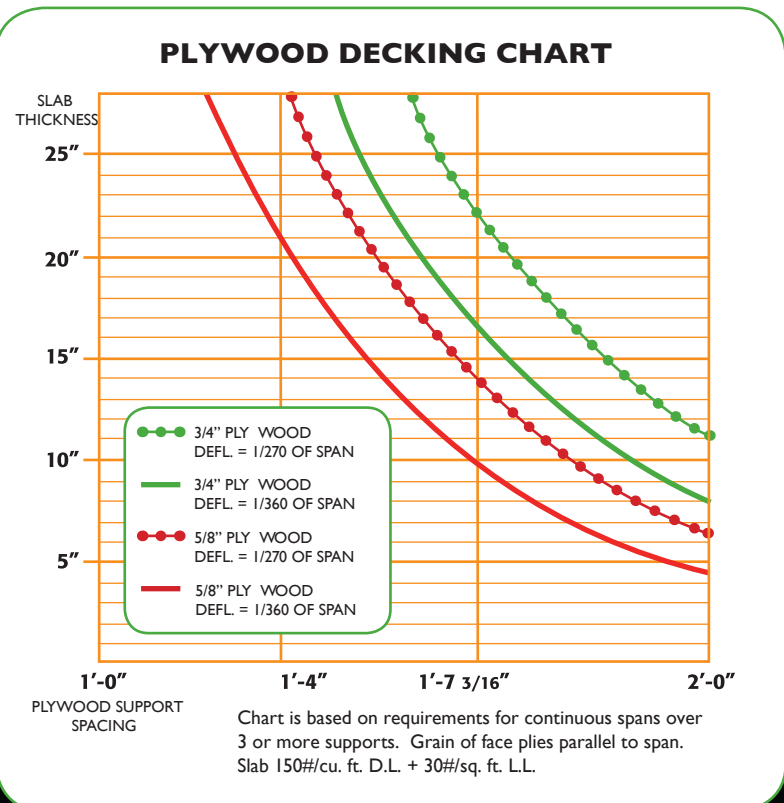
RECOMMENDED SPACING OF SHORES, PURLINS, AND JOISTS FOR DIFFERENT LOADS.

4X6 PURLINS W/ 4X4 JOISTS			
SLAB THICKNESS	A	B	C
4" OR UNDER	5'-0"	6'-0"	2'-0"
5" TO 7"	5'-0"	5'-0"	2'-0"
8" TO 9-1/2"	4'-6"	5'-0"	2'-0"
10" TO 12"	4'-0"	5'-0"	1'-8"
13" TO 14"	4'-0"	4'-6"	1'-8"

4X4 PURLINS W/ 4X4 JOISTS			
SLAB THICKNESS	A	B	C
4" OR UNDER	4'-0"	5'-0"	2'-0"
5" TO 7"	4'-0"	4'-0"	2'-0"
8" TO 9-1/2"	4'-0"	3'-0"	2'-0"
10" TO 14"	3'-6"	3'-0"	1'-8"

Douglas Fir, Construction Grade Joist and Purlins. 3/4" Plywood held strong way over Joists with face grain parallel to span. Maximum deflection L/360.

PLYWOOD DECKING GRAPH INDICATES SUGGESTED SPACING OF PLYWOOD SUPPORTS (JOISTS) AT CERTAIN SLAB THICKNESSES USING 5/8" OR 3/4" PLYWOOD. SOLID AND DOTTED LINES INDICATE THE DEFLECTION OF THE SPAN AT CORRESPONDING SLAB THICKNESSES AND PLYWOOD SUPPORT SPACINGS.



How to increase profits on concrete forming: adopt Ellis Methods for all suspended reinforced concrete construction! Through the use of simple, low-cost, standardized wood and metal parts in a way that has been proved fast, safe and economical, you can slash your costs tremendously!

### DETERMINE SPACING



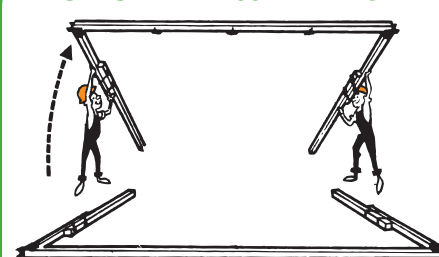
See catalog to get shore, purlin and joist spacing. (see previous page).

### ATTACH METAL PARTS



On ground, attach Ellis metal parts to lumber.

### U-PURLIN ASSEMBLIES



Make series of U-purlin assemblies on ground, each consisting of 2 Ellis shores and one purlin, then raise.

### CROSS BRACE



Easy to nail into Ellis wood shores

Cross brace these inverted U's so they are free standing.

### JACK LEVEL



Level whole system of purlins and end shores by story pole or string method, using Ellis Jack. (pg. 4).

### "SLIP IN"

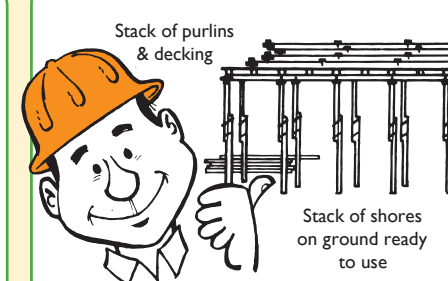


9 out of 10 shores slip in

In-between shores just "slip in." (1 row pictured - actually many.)

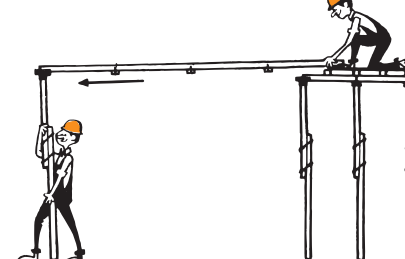
Extend shored area by 1 of 2 methods

### COMPLETE A SECTION



METHOD A. Complete a section with joists and decking. Stack purlins on top, shores below.

### "WALK IT OUT"



Man above pushes purlin end out, man below slips shore into purlin splicer, walk it out. Top man seats and nails it.

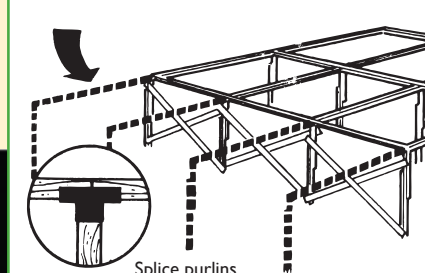
### OR- EXTEND WITH "L" ASSEMBLIES



Assemble on ground

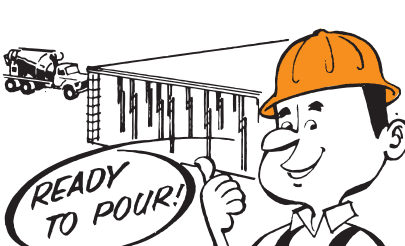
METHOD B. To shore entire area before decking, make series of L's with 1 shore to 1 purlin.

### ADD "L" ASSEMBLIES



Erect L's, seating free end of each in purlin splicer left open, nail, cross brace as before.

### COMPLETE & DECK



Then level, add slip-in shores, joists and decking to complete. Either method does a great job!

# History of Ellis Manufacturing Co., Inc.

In **1948**, Navy pilot and golf enthusiast L.S. "Gunner" Holmboe Jr. graduated from the University of Oklahoma with a degree in Business. Eager to get to work, he started working with his father L.S. Sr. as a maintenance director for 200 rental units. Realizing it was only busy work he soon grew tired of the simplicity of the job and started looking for something more challenging than fixing roofs and mending fences.

L.S. Sr., seeing his son's dissatisfaction, came up with a new project -- to *simplify the manufacture of wooden shores using metal clamps*. This new product would eliminate the time spent measuring and cutting lumber to support the form work for pouring concrete and L.S. decided to call it "**The Ellis Clamp**," so named for "L.S."

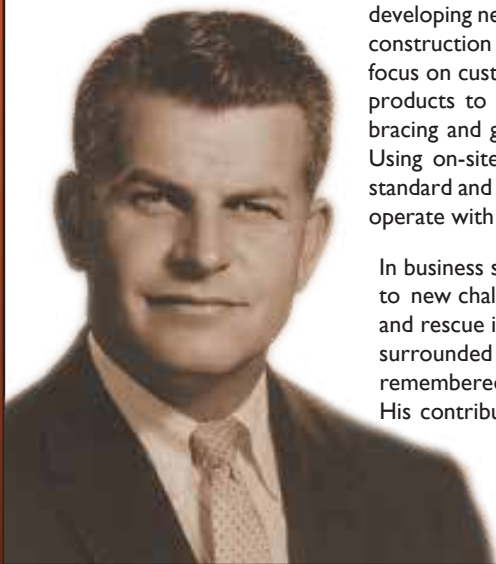
Just two **Ellis Clamps** and two pieces of lumber would allow a totally adjustable shore, saving time and money in his construction business. He went to his son with a \$10,000 loan and a proposition – sell the Ellis Clamps and see what comes of it. "But if you go in the red, you can forget it," he said.

L.S. Holmboe Jr. would never forget, needless to say, because the Ellis Clamp took off like a shot. From his basement, L.S. Jr. worked to create the clamps using a machine he designed himself and soon he hired an assistant to help. It was far from the last hire the company would make. Before long, L.S. hired his assistant and a welder to work for him full-time and designed another machine to bend the metal into a rectangular shape. Though his first order was small by today's standards – only 200 – it put him hard at work and in just a week, the Hughes Construction Company had their Ellis Clamps. They were happy to have the product, and they weren't the only ones who saw the exciting future offered by the clamps. "I sent out some sales literature and received a lot of interest," he said. "Including that of my father. Our first large order was from a big contractor named Volpe Construction in Malden, Mass.," he said. "This was a big step, to make 2000 clamps in two weeks." Now that orders for Ellis Clamps were on the rise, so much so that men worked two shifts daily making clamps, L.S. Sr. started the Ellis Equipment Company, which would later become Ellis Manufacturing Company, Inc. in 1951.

Response for the clamp was so positive that father and son decided to invest in a patent for their invention, specifically allowing only Ellis Manufacturing Co., Inc. to legally make the Ellis 4x4 Shore Clamp with only one weld. In 1956, a new headquarters was built at 4803 N. Cooper Ave. in Oklahoma City to house the growing enterprise. Sadly, before it was completed, L.S. Sr. passed away. Thankfully, he lived long enough to see his dream of operating a family business to come true. And L.S. Jr. stayed true to that dream, bringing his first son, Brent Holmboe, into the business in 1973. Brent is now President and responsible for operations, increasing productivity and expansion of the Ellis Manufacturing line of products.

Innovation is the key, President Brent Holmboe said. Ellis is dedicated to improving their existing products, developing new tools, ideas and products for customers and continuing a legacy of excellence for the construction industry. In addition, as a small, family-owned company, Ellis can stay adaptable in their focus on customer satisfaction. "We listen to our customers concerns and are willing to modify our products to fit their needs," Vice President Clay Holmboe said. "Not only do we sell standard shoring, bracing and guardrail materials, but we can also customize products to fit specific needs of our customers." Using on-site punch presses, iron workers and welding machines, Ellis has the ability to quickly manufacture standard and customized products. And since Ellis owns their own building and all of the equipment, they can operate with low overhead costs and offer its customers quality products at reasonable prices.

In business since 1951, Ellis has 64 years of experience and expertise to offer customers and looks forward to new challenges in the demanding business of commercial and residential construction, mining and search and rescue industries. On April 20, 2005 at the age of 81, after months of health complications, and surrounded by his family and friends L.S. "Gunner" Holmboe Jr. passed away. Gunna will always be remembered for having an incredible sense of humor and an exceptional love for his family and friends. His contributions to this company are unprecedented and he will forever be missed.



L.S. "Gunner" Holmboe Jr.  
1923 - 2005

CATALOG 2015

EllisOK.com

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