

**NV
WOOD
TIE**



MANUFACTURED HOUSING CATALOG

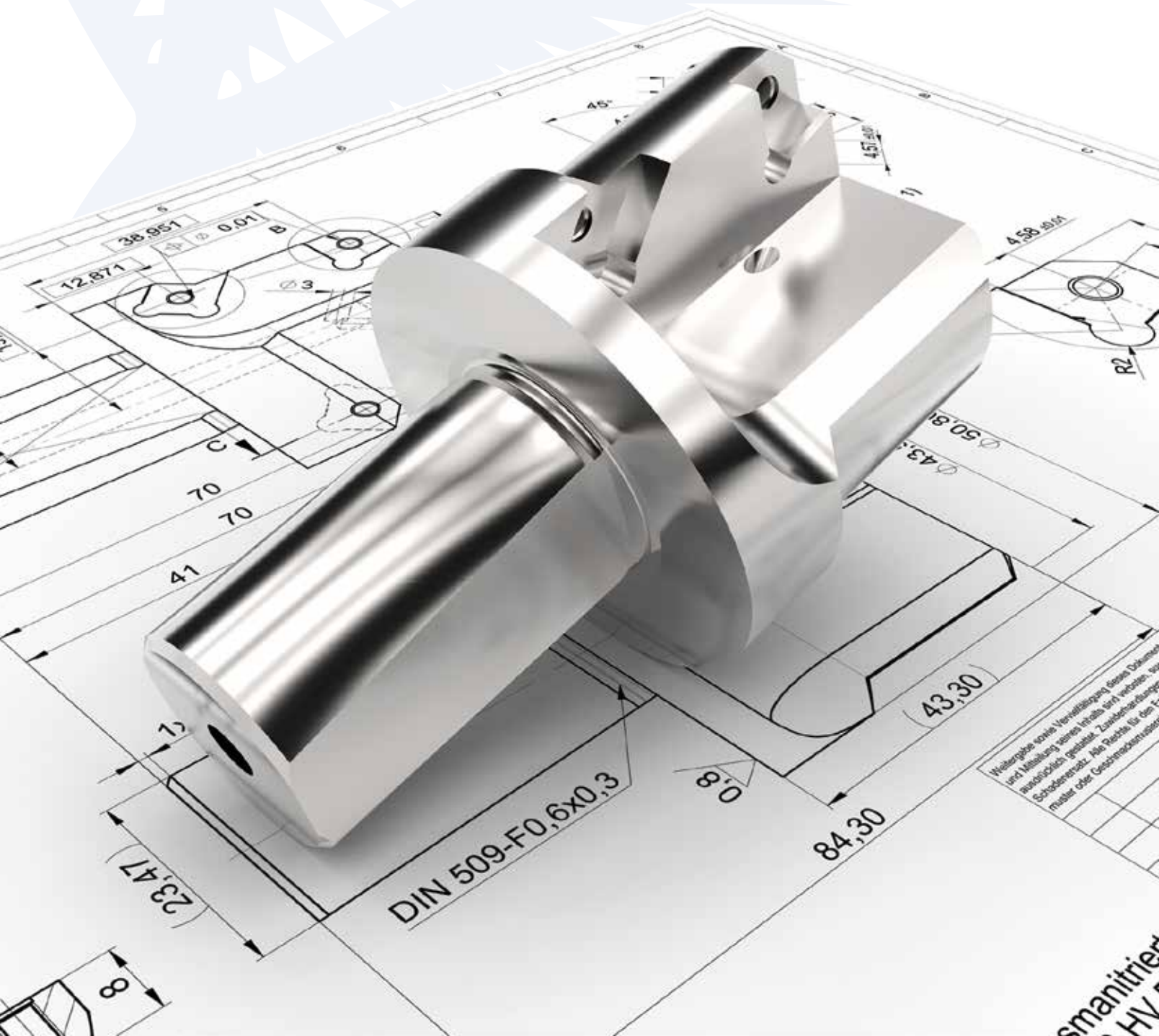
ABOUT TIE DOWN

ENGINEERING AND PRODUCT DEVELOPMENT

At Tie Down, we take pride in the products we bring to market. After identifying a product opportunity, we develop our products via an ISO 9001:2015 certified agile process. Our products are designed in CAD, validated using Finite Element Analysis, and then verified with physical testing.

TIE DOWN

MANUFACTURING INGENUITY



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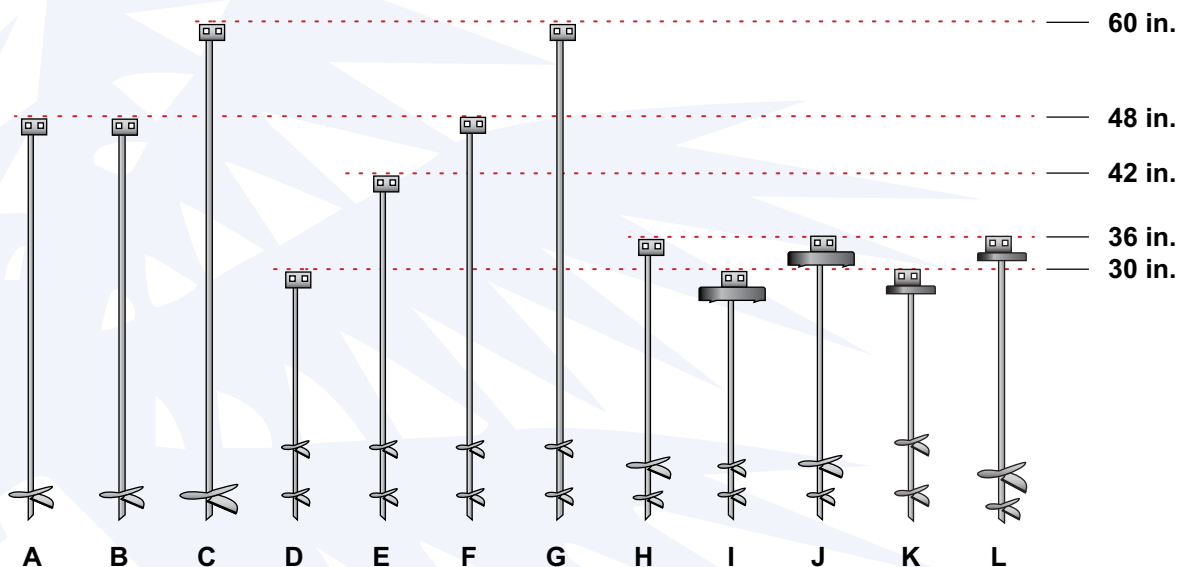
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EARTH ANCHORS

RADCO LISTING #1349

Manufactured housing anchors listed on the next two pages are tested to HUD Regulation 3280 to withstand a working load of 3,150 lbs. and ultimate load of 4,725 lbs. in their tested soil class. All are listed and labeled with RADCO, a nationally recognized DAPIA.



IRON ROOT DOUBLE HEAD MANUFACTURED HOME EARTH ANCHORS

#	Description	Black Part ID:	Galvanized Part ID:
A	Model MI2H5/8 with 5/8 in. rod, 48 in. long, 6 in. helix, Class 4A	59080	59081*
B	Model MI2H3/4 with 3/4 in. rod, 48 in. long, 6 in. helix, Class 4A	59085	59094*
C	Model M607 with 3/4 in. rod, 60 in. long, 7 in. helix, Class 4B	N/A	59099*

IRON ROOT DOUBLE HEAD DOUBLE HELIX MANUFACTURED HOME EARTH ANCHORS

#	Description	Black Part ID:	Galvanized Part ID:
D	Model MI225/8 with 5/8 in. rod, 30 in. long, 2 - 4 in. helix, Class 2	59090	59078*
D	Model MI223/4 with 3/4 in. rod, 30 in. long, 2 - 4 in. helix, Class 2	59095	59079*
E	Model MI423/4 with 3/4 in. rod, 42 in. long, 2 - 4 in. helix, Class 4A	59128	59128G*
F	Model MI483/4 with 3/4 in. rod, 48 in. long, 2 - 4 in. helix, Class 4A	59086	59086G*
G	Model MI603/4 with 3/4 in. rod, 60 in. long, 2 - 4 in. helix, Class 2	59097	59097G*
H	Model MI2H64 with 3/4 in. rod, 36 in. long, 4 in. & 6 in. helix, Class 4A	59250	59250G*

DEEP SET - CAP ANCHOR/STABILIZERS

#	Description	Black Part ID:	Galvanized Part ID:
I	30 in. long with 3/4 in. rod and 2 - 4 in. helix with 7 in. Class 3	59091	59091G*
J	36 in. long with 3/4 in. rod and 4 in. & 6 in. helix with 7 in. Class 4A	59092	59092G*
K	30 in. long with 3/4 in. rod and 2 - 4 in. helix with 6 in. Cap, Class 3	59664	59664G*
L	36 in. long with 3/4 in. rod and 4 in. & 6 in. helix with 6 in. Cap, Class 4A	59665	59665G*

* Not all anchors are stocked in galvanized. Available by special order only.

CROSS DRIVE ROCK ANCHOR

Engineered for installation into solid rock within 1" from bottom of the anchor base. Exact alignment is achieved with the swivel tensioning head. This rock anchor is used for Soil Class 1. Anchor is black painted.

Model #MRA with 30 in. Rods	Part ID: 59110
Model #MRA with 48 in. Rods	Part ID: 59111
Model #MRA Head Only	Part ID: 2MRAHD
Model #MRA 30 in. Rods Only	Part ID: 59126



DOUBLE HEAD ANCHOR WITH CONCRETE EXPANSION BOLT

This anchor is designed to be bolted to an expansion sleeve in an existing concrete slab.

Model # MICS2	Black Paint Part ID: 59125
	Galvanized Part ID: 59124
Double Head Only	Black Paint Part ID: 59103
	Galvanized Part ID: 59104



SINGLE HEAD ANCHOR WITH CONCRETE EXPANSION BOLT

Black Paint Part ID: **59029**

CONCRETE EXPANSION BOLT ONLY

Part ID: **2M58SA**

J ROD CONCRETE ANCHOR

The J Rod Concrete Anchor (Model MIJ2) is designed to be installed into a concrete slab at the time the concrete is being poured.

Description	Black Paint ID:	Galvanized ID:
12 in. Anchor	59120	59121
8 in. Anchor	59123	59123G
12 in. w/Swivel Head	59109	59109G
8 in. w/Swivel Head	59147	59147G



ANCHORS

30 IN. CORAL ANCHOR

Designed for use at a 60 degree angle (30 degrees from vertical) into the coral. Not for vertical anchorage

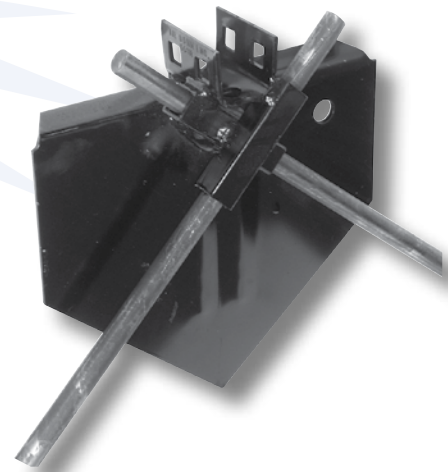
Part ID: **59096**



X-PLATE ANCHOR

Stabilized Cross Drive Anchor For difficult class 2 Soils. 2200 lb. working load at 50 degrees max angle. Not for vertical anchorage. Painted Black.

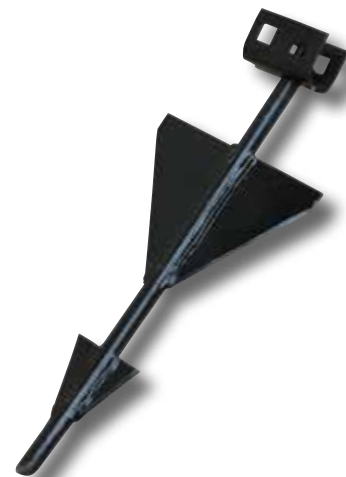
Part ID: **59118**



ASPHALT ANCHOR

Black painted asphalt anchor must be installed with hammer drill. 1889 lb. Working load. Used for horizontal anchorage at a maximum of 50 degrees, not for vertical anchorage.

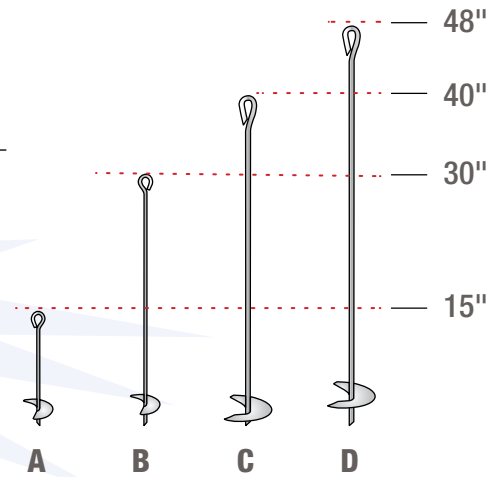
Part ID: **59367**



EYE ANCHORS

Standard sizes listed, custom eye anchors can be made to order in various sizes.

#	Description	Black Paint Galvanized	
A	15 in. long with 1/2 in. rod, 4 in. helix	59050	N/A
B	30 in. long with 1/2 in. rod, 4 in. helix	59055	59057
C	40 in. long with 5/8 in. rod, 6 in. helix	59060	59061
D	48 in. long with 5/8 in. rod, 6 in. helix	59065	59064



AWNING ANCHOR

Easily secures awning post by attaching to the anchor head. Available in two sizes

20 in. Awning Anchor Part ID: **59262**
 30 in. Awning Anchor Part ID: **59261**



STEP ANCHOR

For securing steps to ground to prevent sliding in high winds.

Part ID: **59669**



TIEDOWN STABILIZERS

EARTH ANCHOR STABILIZER

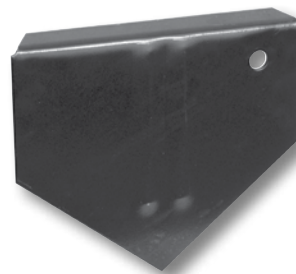
Prevents anchor from slicing through soil laterally in the direction of the frame tie. 12 in. wide.

Black Paint

Part ID: **59292**

Galvanized (Special Order)

Part ID: **59292G**



XL STABILIZER PLATE

This plate is required in Florida for installation in Class 4 soils. The plate measures 17.5 in. x 13.5 in. with galvanized finish.

Part ID: **59286**



QUIK-SET STABILIZATION PLATE

- Sets Quickly
- Requires little or no hammering
- Quick-N-Easy installation, let the drive machine do the work
- Inclined steady rest engineered to allow ground anchor to be installed at a slight back angle (10-15 degrees)

Black Paint

Part ID: **59291**

Galvanized (Special Order)

Part ID: **59291G**



ABS STABILIZER PLATE

Designed for loose soil conditions. For Class 4 Soils. 10 in. x 24 in.

Part ID: **59293**



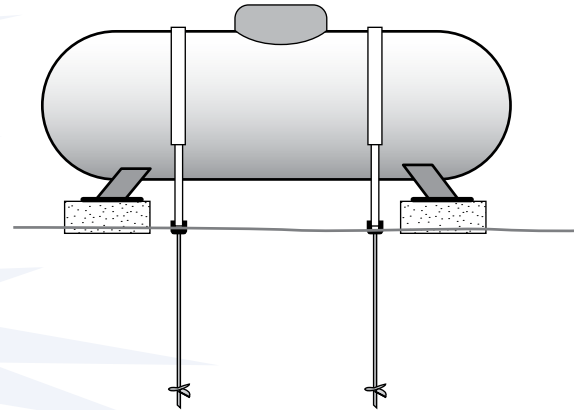
ANCHOR KITS

OIL & PROPANE GROUND TANK ANCHORING KIT

Kit Include:

- 4 - 48 in. x 3/4 in. shaft with a 6 in. helix galvanized anchors.
- 4 slotted strapping bolts w/nut
- 15 ft. – 1-1/2" vinyl sheathing to prevent damage from contact between tank and strap.
- 37 ft. – 1-1/4" x .035 G-120 Galvanized strap, grade 1, class B

Part ID: **59603**



OIL & PROPANE CONCRETE ANCHORING KIT

Kit Includes:

- 4 - 3" x 5/8" concrete wedge anchors with galvanized finish.
- 4 slotted strapping bolts w/nut
- 15 ft. – 1-1/2" vinyl sheathing to prevent damage from contact between tank and strap.
- 37 ft. – 1-1/4" x .035 G-120 Galvanized strap, grade 1, class B

Part ID: **59626**

ALL PURPOSE LIGHT DUTY ANCHOR KIT

Four 15 in. Painted anchors, (8) 1/8 in. galvanized clamps, 100 ft. 1/8 in. galvanized aircraft cable. 15 in. anchor has ultimate 500 lb. holding power.

Part ID: **59070**

STORAGE BUILDING ANCHOR KIT

Four 30 in. Painted anchors, (8) 1/8 in. galvanized clamps, 100 ft. 1/8 in. galvanized aircraft cable. 30 in. anchor has ultimate 2,400 lb. holding power.

Part ID: **59075**



TIE DOWN/ARBORTIE® ANCHOR KIT

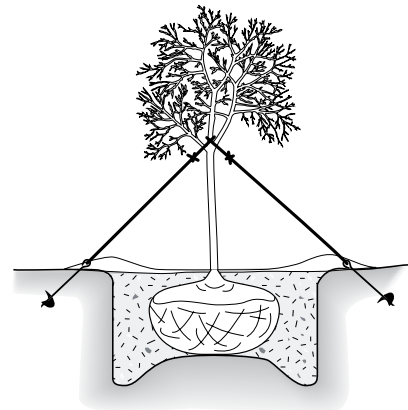
ArborTie® is a revolutionary material for staking and guying trees. Specifically designed to replace traditional methods such as wire and hose, ArborTie® is safe, soft, easy to use and less expensive than traditional tree ties.

Small Tree Anchor Kit

Three 15 in eye anchors with 30 ft. of ArborTie® Part ID: **59451**

Medium Tree Anchor Kit

Three 30 in. eye anchors with 30 ft. of ArborTie® Part ID: **59452**



STRAP AND HARDWARE

GALVANIZED STEEL STRAP

HUD Code 3280 and 3285(2) require 1-1/4 in. X .035 in. or larger steel strapping conforming to ASTM D3953-97, standard specifications for strapping, flat steel and seals. Type 1, Grade 1, Finish B, with a minimum total capacity of 4,725 lbs. and a working capacity of 3,150 lbs. marked every 5 ft. The straps must be provided with protections against weather deterioration and corrosion at least equivalent to that provided by a coating of zinc on steel of not less than .30 oz./ft. of surface coated. Slit or cut edges of coated strapping need not be zinc coated.



Description	Length	Part ID:
G60 Strap	35 ft.	59150
G60 Strap	37 ft.	59155
G60 Strap	60 ft.	59165
G60 Strap	600 ft.	59170
G120 Strap	37 ft.	59218
G120 Strap	600 ft.	59219



CRIMPING TOOL

Tie Down crimp tools are designed for use with .035 thickness, 1-1/4 in. wide strap and steel crimp seals.

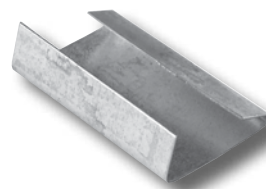
Part ID: **59180**



CRIMPING SEALS

Semi-Closed style for ease of use and strong bonds. Fits 1-1/4 in. strapping.

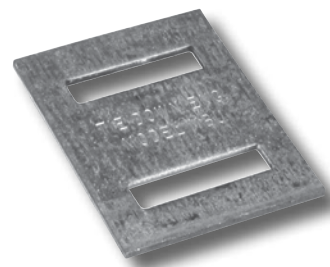
Part ID: **59175**



DOUBLE SLOT STRAP BUCKLE

High strength steel buckle with rust resistant galvanized finish. Secures strap around frame of unit.

Part ID: **59140**



TIE DOWN STRAP AND HARDWARE

FRAME TIE WITH HOOK

For fast and safe installation of frame ties, this heavy duty 1/4 in. steel hook locks securely onto frame. Certified galvanized steel strapping conforms to NCS BCS A225.1 (ANSI A119.3) and HUD specifications.

Model	Length	Boxed (per)	8 per Bundle
MHT6	6 ft.	59185 (50)	59185N
MHT7	7 ft.	59190 (50)	59190N
MHT8	8 ft.	59195 (50)	59195B
MHT10	10 ft.	59210 (30)	59210N
MHT12	12 ft.	59211 (30)	59211N
MHT14	14 ft.	59214 (30)	59214N
MHT16	16 ft.	59196 (30)	59196A



FRAME TIE WITH BUCKLE

For fast & easy installation of frame ties with buckle.

Model	Length	Boxed (per)	8 per Bundle
MBU7	7 ft.	59141 (50)	59141N
MBU8	8 ft.	59146 (50)	59146N
MBU10	10 ft.	59138 (30)	N/A
MBU12	12 ft.	59144 (30)	59144N
MBU16	16 ft.	59234 (30)	N/A



DOUBLE TENSION HEAD

Featured on all tension head anchors. Built tough for maximum tensioning on either frame and/or roof ties. Strap bolts are securely locked every fourth of a turn with the square lock head.

Model #MIDH

Black Paint

Galvanized

Part ID: **59100**

Part ID: **59100G**



SWIVEL HEAD ADAPTER

Adapter converts existing eye anchors into tension head anchors. Includes two slotted bolts & nuts. Painted Black

Model #MIS2

Part ID: **59105**



STRAP AND HARDWARE

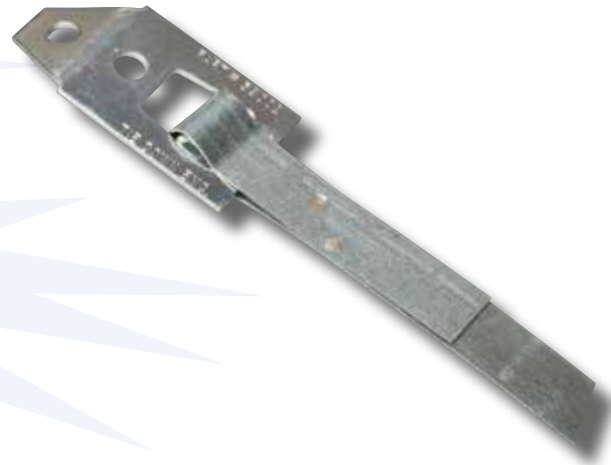
STRAP WITH 59002 SWIVEL CONNECTORS

G-60 Strap with Swivel Connector for Zone I & II

5 ft. Strap - 50 per box	Part ID: 59725
6 ft. Strap - 50 per box	Part ID: 59726
7 ft. Strap - 50 per box	Part ID: 59727
8 ft. Strap - 50 per box	Part ID: 59728
10 ft. Strap - 30 per box	Part ID: 59730
12 ft. Strap - 30 per box	Part ID: 59732
16 ft. Strap - 30 per box	Part ID: 59736

G-120 Strap with Swivel Connectors for Zone III & Florida

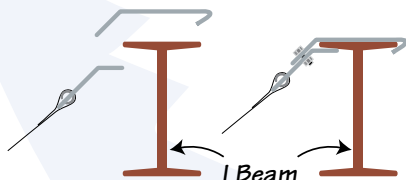
8 ft. Strap - 50 per box	Part ID: 59213V
10 ft. Strap - 30 per box	Part ID: 59217V
12 ft. Strap - 30 per box	Part ID: 59223V
16 ft. Strap - 30 per box	Part ID: 59231V



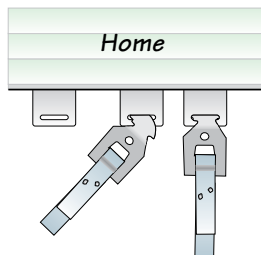
UNIVERSAL SWIVEL STRAP CONNECTOR

One Strap . . . Four installation Options Made with G-120 strap for Zones II & III installations

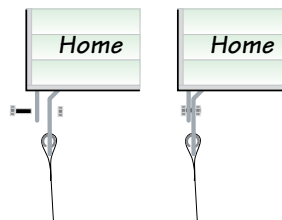
Length	Boxed (per)	8 per bundle
5 ft.	59207 (50)	59207B
6 ft.	59208 (50)	N/A
7 ft.	59209 (50)	NA
8 ft.	59213 (50)	59213B
10 ft.	59217 (30)	N/A
12 ft.	59223 (30)	N/A
16 ft.	59231 (30)	N/A



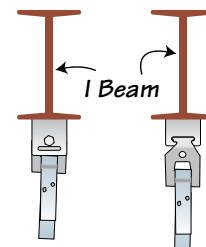
Swivel Strap & I-Beam Bracket



Sidewall Slotted



Sidewall with Nut and Bolt



Longitudinal I-Beam

TIE DOWN STRAP AND HARDWARE

SLOTTED BOLT & NUT

Required for the tensioning of frame or sidewall straps with all tension head anchors.

Model #BISB

Part ID: **59135**



SWIVEL HEAD BRACKET

For use with Beam Clamps, Longitudinal Clamps and Vector Foundation Systems.

Part ID: **59002**



UNIVERSAL SWIVEL STRAP BRACKET

For use with beam clamps, longitudinal clamps and sidewall brackets.

Part ID: **59242**



90° STRAP CONNECTOR

For standard or small slot attachment of sidewall strap to wall bracket.

Part ID: **59649**



90° STRAP CONNECTOR WITH STRAP

90° Strap Connector with G-120 galvanized strap installed.

Connector with 5 ft. G-120 Strap
Connector with 7 ft. G-120 Strap

Part ID: **59647**
Part ID: **59648**

STRAP AND HARDWARE

SPEED WRENCH

Tie Down's SPEED WRENCH simplifies anchor installation with a design that allows for one handed operation for installing slotted bolts and tensioning strap. The SPEED WRENCH has a 15/16 in. (or 24 mm) impact socket on one side and a 15/16 in. "nut" on the other. Combine this with your own ratchet and 15/16 in. (or 24 mm) socket and you have the fastest way to tighten slotted bolts!

Part ID: **48900**



BEAM CLAMPS

For use with Universal & Standard Swivel Strap Connectors

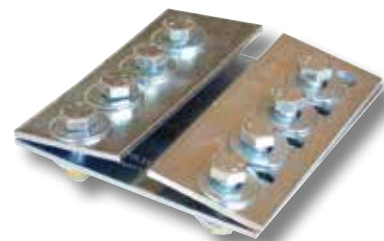
3 in. Beam	Part ID: 59003
4 in. Beam	Part ID: 59004
DBL Beams	Part ID: 59005



GATOR BEAM CLAMPS

For attaching strap to I-beam at each end of the home for longitudinal anchors.

4 Bolt Gator Clamp for Zone I and II	Part ID: 58999
8 Bolt Gator Clamp for Zone III and Florida	Part ID: 59011



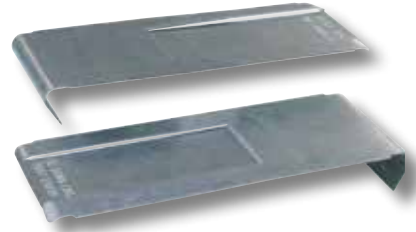
TIE DOWN STRAP AND HARDWARE

STRAP PROTECTORS

Attaches between strap and I-beam to prevent cutting or breaking of strap on sharp edges.

Part ID: **59232P** (100 per box)

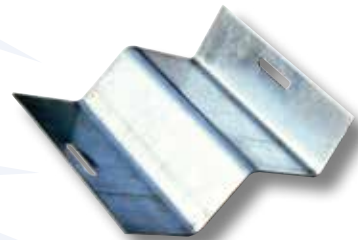
Part ID: **59232** (500 per box)



GALVANIZED ROOF BRACKET

Designed to hold strap or cable ties away from the roof and sides of manufactured structures.

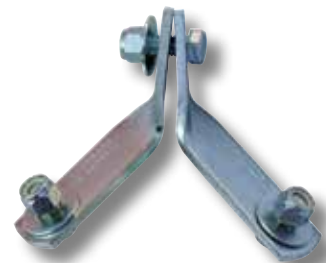
Part ID: **59145**



ANGLE FRAME BRACKET

For attaching longitudinal anchors to I-beam at each end of the frame.

Part ID: **59009**



JACKING PLATE

Jacking plate is used to add support to frame when adjusting height with a jack. Required by many manufacturers when setting, to keep from bending the I-beam. Heavy gauge steel.

3-1/2 in. Wide
5 in. Wide

Part ID: **59000**

Part ID: **59001**



SIDEWALL BRACKETS

SIDEWALL BRACKETS* FOR MODULAR AND MANUFACTURED BUILDING

SIDEWALL SWIVEL STRAP ASSEMBLY*

Includes: Connector, Strap, Bolt, 2 Washers & Nyloc Nut

1,717 lb. Capacity

Part ID: **59337A**

2,500 lb. Capacity

Part ID: **59338A**

Swivel Strap Connector (Only)

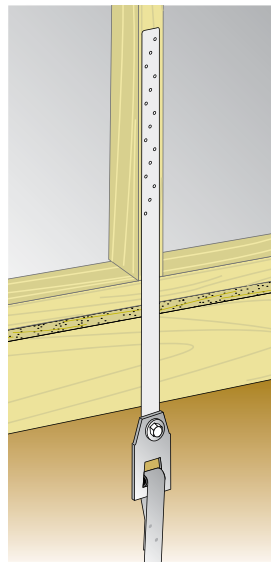
10 ga. Zinc

Part ID: **59336**

Tie Straps (only) - Pre-galvanized

26.5 in. x 1.25 in. 14 ga. Part ID: **59337**

28.75 in. x 1.5 in. 12 ga. Part ID: **59338**



SWIVEL TIE PLATE ASSEMBLY*

Includes: Connector, Tie Plate, Bolt, 2 Washers & Nyloc Nut

2,000 lb. Capacity

Part ID: **59342A**

3,150 lb. Capacity

Part ID: **59340A**

Swivel Strap Connector (Only)

10 ga. Zinc

Part ID: **59336**

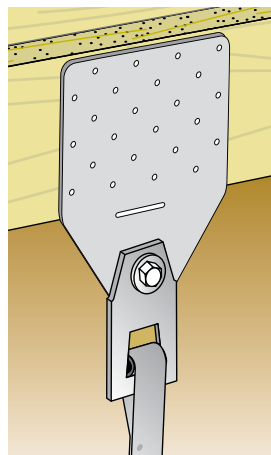
Tie Plates (only)

6 in. x 8 in. 12 ga. Zinc

Part ID: **59340**

6 in. x 8 in. 14 ga. Pre-Galv.

Part ID: **59342**

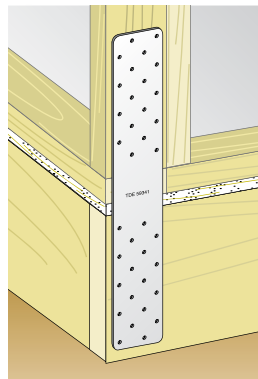


TIE PLATE*

3 in. x 16 in. 14 ga. Pre-galvanized

2,400 lb. Capacity

Part ID: **59341**



* All brackets can be ordered with a heavier finish coating

TIE DOWN SIDEWALL BRACKETS

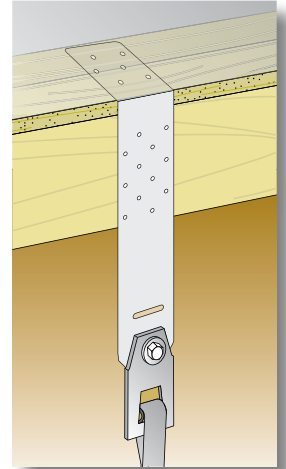
SIDEWALL BRACKETS* FOR MODULAR AND MANUFACTURED BUILDING

SWIVEL "L" TIE PLATE ASSEMBLY*

Includes: Connector, "L" Tie Plate, Bolt, 2 Washers & Nyloc Nut
2,350 lb. Capacity Part ID: **59339A**

Swivel Strap Connector (Only)
10 ga. Zinc Part ID: **59336**

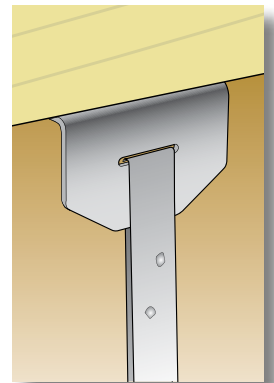
Swivel "L" Tie Plate (only) - Pre-galvanized
13.3 in. x 3 in. x 3 in. 14 ga. Part ID: **59339**



MARRIAGE WALL BRACKET*

Required at column at marriage wall support.

Bracket Only (painted) Part ID: **59699**
Bracket with 5 ft. Strap Part ID: **59698**



* All brackets can be ordered with a heavier finish coating

HARDWARE

ELECTRIC DRIVE MACHINE

Make quick work of earth anchor installation with the 1/2 HP, 20 RPM Electric Drive Machine from Tie Down Engineering. Adapter head fits all double head anchors and has a socket on the inside to fit the Soil Test Probe. Ground fault interrupter cord is standard on the EDM-20.

- 1/2 HP Motor - 20 RPM
- 20% More Torque
- Quieter, Smoother Operation
- Ground Fault Interrupter (GFI)
- Solid Metal Housing
- Tube & Stamped Steel Frame
- Forward & Reverse Switch
- 90 Day Limited Warranty

Part ID: **59620**



ANCHOR ADAPTER HEAD

Included with the EDM-20

Part ID: **59205**



EYE ANCHOR ADAPTER HEAD

Purchased separately

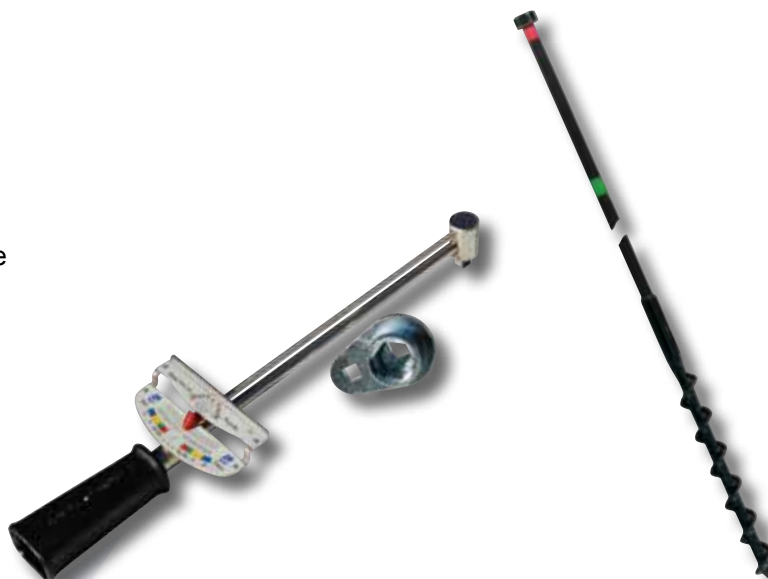
Part ID: **59206**



SOIL TEST PROBE KIT

The purpose of the Soil Test Probe Kit is to determine the soil conditions below the surfaces near the anchor's helix plate. This will provide maximum anchor holding strength by insuring use of proper anchors for each soil condition. Includes multi pocketed carrying case.

Part ID: **59200**

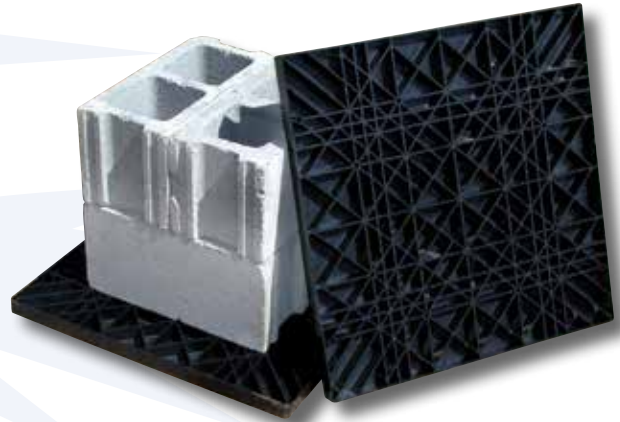


TIE DOWN PADS AND PIERS

ABS/PLASTIC FOUNDATION PADS

RADCO LISTING #1345

- Lighter than concrete, saves on labor.
- Larger pads to increase spacing, saving time and material.
- Made from recycled materials.
- Easily stack able for larger pad area and wider pier spacing.
- Multi stack for 5 sq. ft. & 6 sq. ft.
- Approved for use by HUD 3285.312(3)
- Listed and labeled by RADCO #1345



Single Pad Soil Capacities

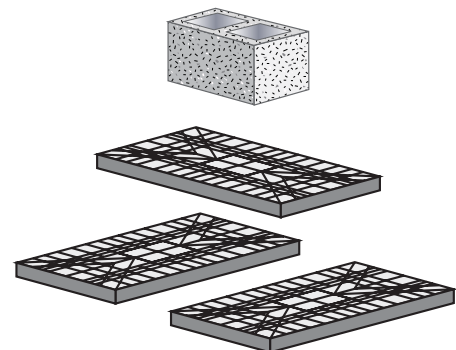
Pad Dimensions	Total Square Feet/Inches	1000 lbs. Soil	1500 lbs. Soil	2000 lbs. Soil	3000 lbs. Soil	Part ID:
16 in. x 16 in.	1.77 sq. ft. (256 sq. in.)	1,778 lbs.	2,667 lbs.	3,556 lbs.	5,333 lbs.	59660
16 in. x 18 in.	2 sq. ft. (288 sq. in.)	2,000 lbs.	3,000 lbs.	4,000 lbs.	6,000 lbs.	59300
16 in. x 22.5 in.	2.5 sq. ft. (360 sq. in.)	2,500 lbs.	3,750 lbs.	5,000 lbs.	7,500 lbs.	59301
17 in. x 25 in.	3 sq. ft. (432 sq. in.)	3,000 lbs.	4,500 lbs.	6,000 lbs.	N/A	59302
24 in. x 24 in.	4 sq. ft. (576 sq. in.)	4,000 lbs.	6,000 lbs.	8,000 lbs.	N/A	59303

Multi Pad Soil Capacities

Multi Pad Dimensions	Total Square Feet/Inches	1000 lbs. Soil	1500 lbs. Soil	Part ID:
32 in. x 22.5 in. (a)	5 sq. ft. (720 sq. in.)	5,000 lbs.	10,000 lbs.(c)	59301 (x3)
34.4 in. x 25.2 in.(b)	6 sq. in. (864 Sq. In.)	6,000 lbs.	12,000 lbs.(c)	59302 (x3)

NOTES:

- The 32 X 22.5 Pyramid configuration uses (2) 16 X 22.5 pads placed side by side with (1) 16 X 22.5 pad on top in the opposite direction.
- The 34.4 X 25.4 Pyramid configuration uses (2) 17.2 X 25.2 pads placed side by side with (1) 17.2 X 25.2 pad on top in the opposite direction.
- Concrete Block rated @ 8,000 lbs. Double block any higher loads.



PADS AND PIERS

1 IN. ABS PIER PLATES/CAP BOARDS

RADCO LISTING #1345

1 in. x 8 in. x 16 in. (nominal) pier plates used to fill in vertical gaps between top of pier and bottom of main beam.

Part ID: **59661**



2 IN. ABS PIER PLATES/CAP BOARDS

2 in. x 8 in. x 16 in. (nominal) pier plates used to fill in vertical gaps between top of pier and bottom of main beam.

Part ID: **59662**



ABS SHIMS/WEDGES

4 in. x 6 in. x 1 in. (nominal) Shims to level home and fill gaps between base of main beam and top of pier cap. Shims must be used in pairs.

Part ID: **59663**



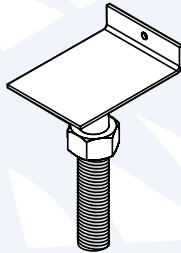
TIE DOWN PADS AND PIERS

STEEL HEADS

Steel Support Piers are designed for use as a replacement for dry stacked blocks, piers available up to a maximum of 30 inches. Steel Support Piers are designed and tested to vertical loads for a support rating of 6,000 lbs. Piers can be used under factory built structures such as manufactured homes, mobile commercial units, classrooms, multiplexes, sheds and other similar structures. They can be used in all wind zone conditions, except "Exposure D" within 1500 ft. of the coastline. Support piers are designed for use with a variety of heads to prevent movement after attachment to the beam or screwed to the marriage line; check local codes and manufacturers requirements for proper installation regulations for beam and marriage line installation.

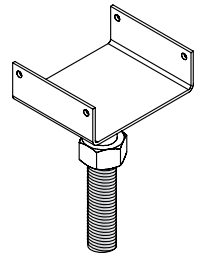
"L" Top Head

Part ID: **MPH01**



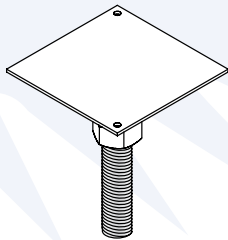
Saddle Top Pier Head

Part ID: **MPH02**



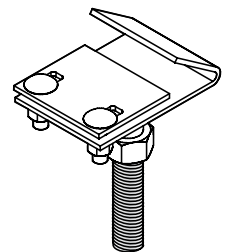
Flat Top Pier Head

Part ID: **MPH04**



Beam Hook Top Pier Head

Part ID: **MPH06**

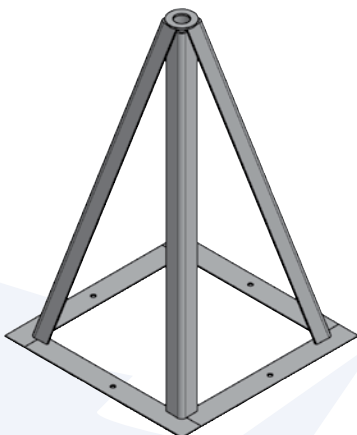


STEEL SUPPORT PIERS

6,000 lb. Capacity - Listing #BSK1050

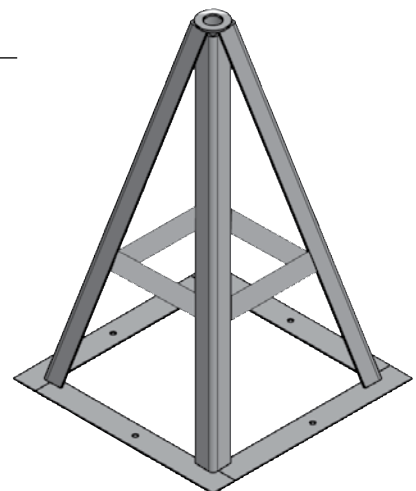
Support Pier

Size	Part #
8"	MPP8
10"	MPP10
12"	MPP12
14"	MPP14
16"	MPP16
18"	MPP18
20"	MPP20
22"	MPP22



Braced Support Pier

Size	Part #
24"	MPP24
26"	MPP26
28"	MPP28
30"	MPP30



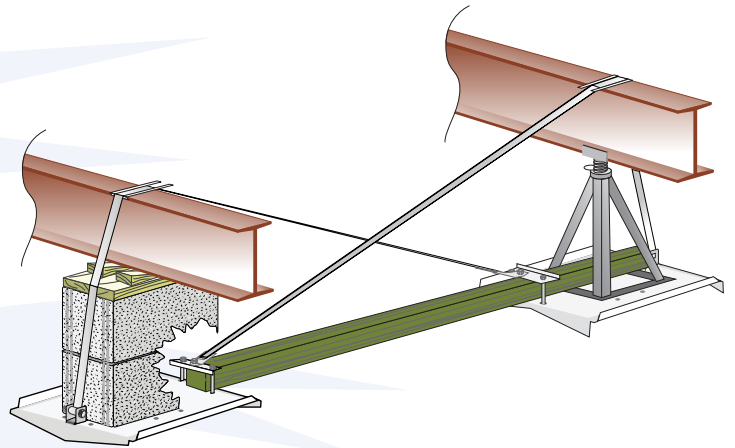
FOUNDATION SYSTEMS

VECTOR SYSTEMS

LATERAL STABILIZATION BLOCK PADS

Kit includes: 2 pans, swivel straps, strap protectors, pan connectors, slotted bolts & hardware.

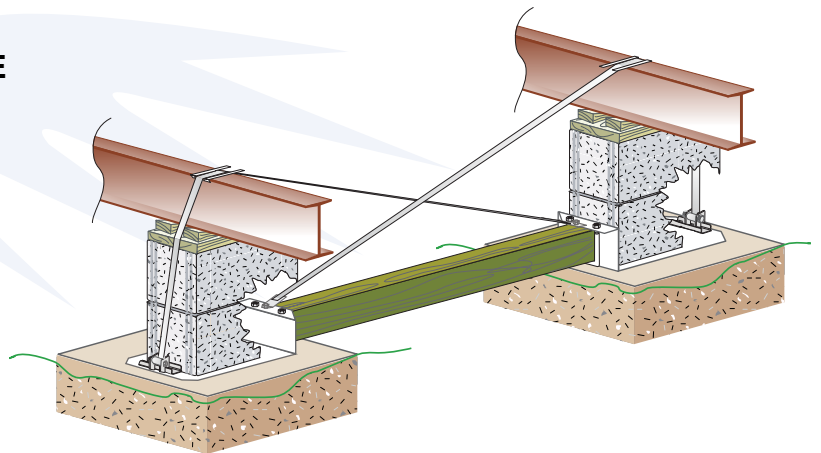
Part ID: **59018**



LATERAL STABILIZATION FOR SINGLE STACK CONCRETE BLOCKS

Kit includes: 2 concrete pans, swivel straps, strap protectors, concrete brackets, slotted bolts & hardware. Optional: Steel Compression Member

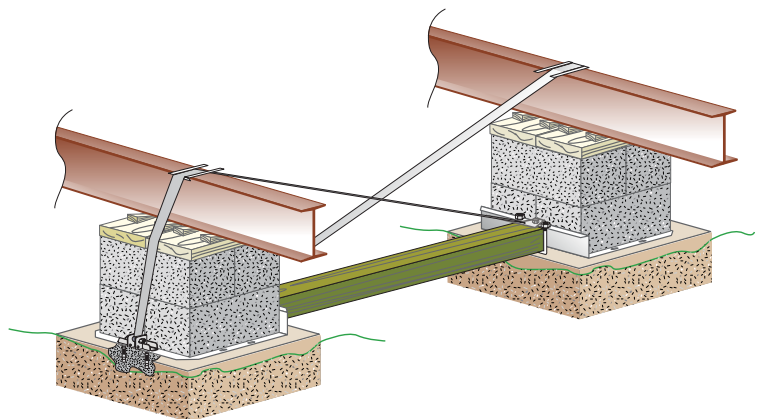
Part ID: **59036**



LATERAL STABILIZATION FOR DOUBLE STACK CONCRETE BLOCKS

Kit includes: 2 concrete pans, swivel straps, strap protectors, concrete brackets, slotted bolts & hardware. Optional: Steel Compression Member

Part ID: **59049**



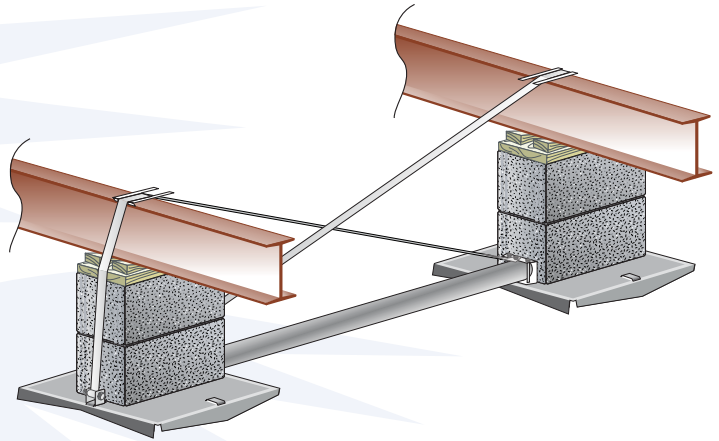
FOUNDATION SYSTEMS

VECTOR SYSTEMS

“FLORIDA” VECTOR LATERAL HARDWARE KIT

Kit Includes: U-bolts, strap protectors, pan connectors, PVC adapter, nuts & bolts (swivel strap and slotted bolts not included).

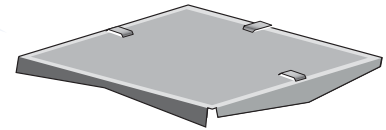
Part ID: **59024**



3 SQ. FT. VECTOR SYSTEM PAD

Sold individually, 2 required for lateral, 1 for longitudinal systems.

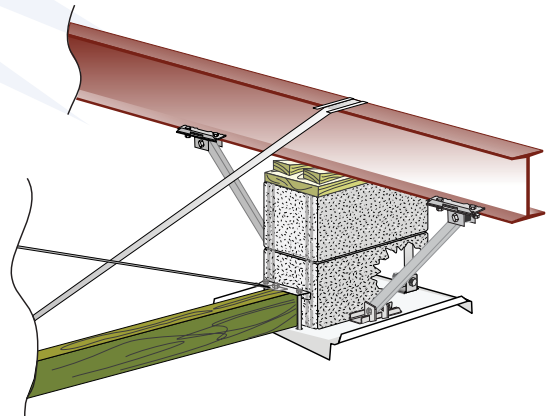
Part ID: **59271**



LONGITUDINAL STABILIZATION HARDWARE KIT

(for use with #59018 Vector System, single stack block sets only, longitudinal struts not included)

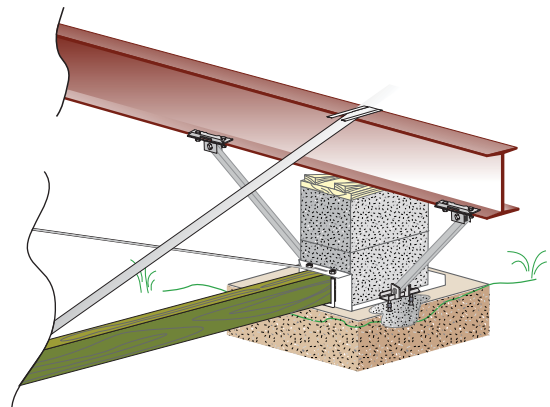
Part ID: **10733**



LONGITUDINAL STABILIZATION HARDWARE KIT FOR CONCRETE

Includes: 2 beam clamps, tension brackets, nuts and bolts (for use with #59036 & 59049, longitudinal struts not included).

Part ID: **59023**



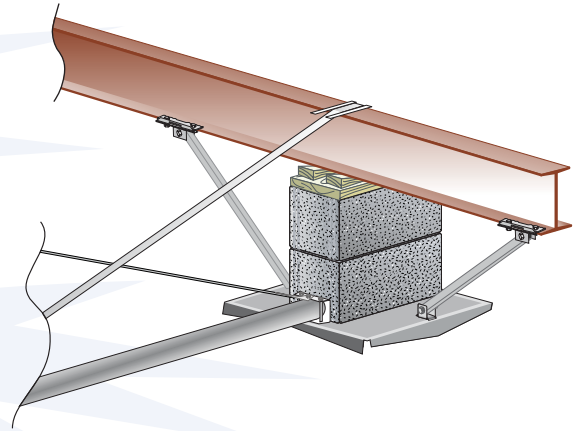
FOUNDATION SYSTEMS

VECTOR SYSTEMS

3 SQ. FT. PAD VECTOR LONGITUDINAL SYSTEM

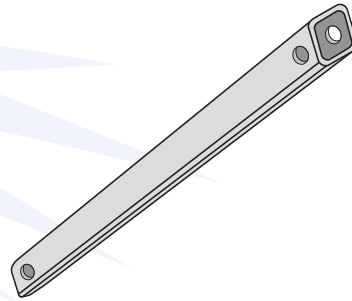
Kit Includes: 2 beam clamps, 2 tension brackets, nuts & bolts. (for use with #59271, longitudinal struts not included)

Part ID: **59026**



STRUTS FOR LONGITUDINAL SYSTEMS

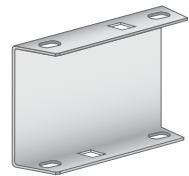
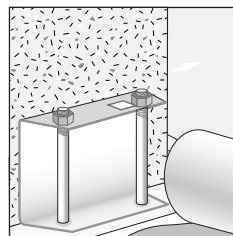
Length	Pier Height	Part ID:
30 in.	up to 2 Blocks	59016
39 in.	up to 3 Blocks	59012
44 in.	up to 4 Blocks	59013
53 in.	up to 5 Blocks	59014
65 in.	up to 6 Blocks	59015



PVC ADAPTER BRACKET

For use with Schedule 40 PVC

Part ID: **59281**

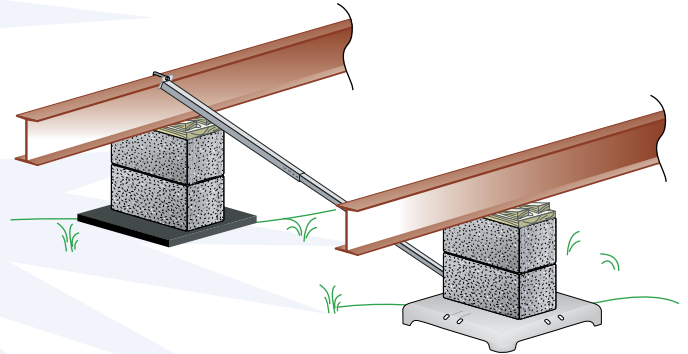


FOUNDATION SYSTEMS

XI2 GROUND SYSTEMS

LATERAL SYSTEM

Includes: Strut, pad, j-bolt, with nut/washer, 4 self tapping screws, u-bolt with washers and nuts. Longitudinal stabilization is easily added with LSD strut kit. Heavy galvanized coating on bracket and strut. For use in Wind Zones I, II & III, BC, Florida & Seismic Loads. Packed per pallet.



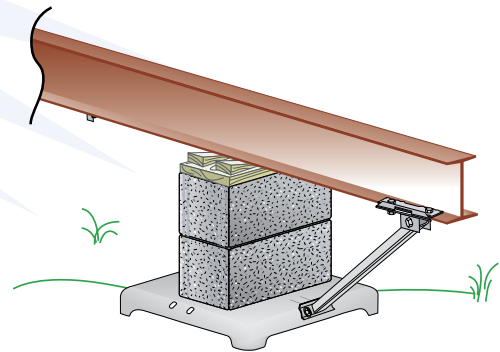
Length	Pallet Qty.	Part ID:
5 ft.	30 Per Pallet	59306
6 ft.	30 Per Pallet	59350
7 ft.	30 Per Pallet	59624

Optional 8-1/2 in. "J" bolt use for double I-beam installations
Part ID: **10638Z**

GROUND LONGITUDINAL KIT

Includes: longitudinal strut and hardware, packed per pallet.

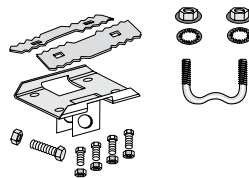
Length	Pallet Qty.	Part ID:
30 in.	30 Per Pallet	59635
39 in.	30 Per Pallet	59636
44 in.	30 Per Pallet	59637
53 in.	18 Per Pallet	59638
65 in.	18 Per Pallet	59639



GROUND LONGITUDINAL HARDWARE KITS

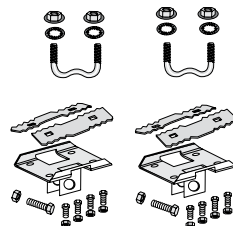
Hardware Kit for 1 strut
Includes: I-beam brackets, U-bolt, nuts, bolts and washers

Part ID: **59031**



Hardware Kit for 2 struts
Includes: I-beam brackets, U-bolts, nuts, bolts and washers

Part ID: **59331**

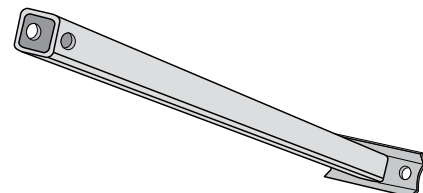


Optional Double Longitudinal bracket kit for double beams

Part ID: **59653**

LONGITUDINAL STRUTS FOR GROUND SYSTEMS

Length	Pier Height	Part ID:
30 in.	up to 2 Blocks	59330-30
39 in.	up to 3 Blocks	59330-39
44 in.	up to 4 Blocks	59330-44
53 in.	up to 5 Blocks	59330-53
65 in.	up to 6 Blocks	59330-65



FOUNDATIONS SYSTEMS

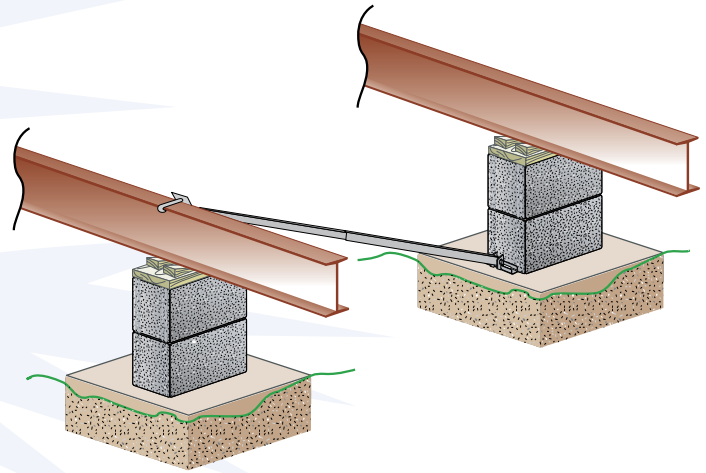
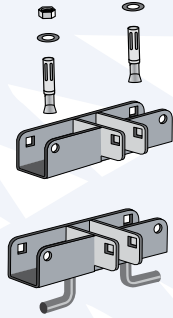
XI2 CONCRETE SYSTEMS

XI2 CONCRETE LATERAL SYSTEMS

Includes: Strut, Dry/Wet Bracket, & Hardware
Packed 30 per pallet.

Dry Set Hardware
5 ft. Part ID: **59307**
6 ft. Part ID: **59370**
7 ft. Part ID: **59625**

Wet Set Hardware
5 ft. Part ID: **59338**
6 ft. Part ID: **59371**

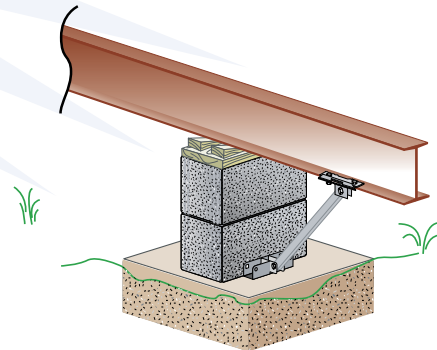


Optional 8-1/2 in. "J" bolt use for double I-beam installations
Part ID: **10638Z**

CONCRETE LONGITUDINAL KIT

Includes: longitudinal strut and hardware, packed per pallet.

Length	Pallet Qty.	Part ID:
30 in.	30 Per Pallet	59641
39 in.	30 Per Pallet	59642
44 in.	30 Per Pallet	59643
53 in.	18 Per Pallet	59644
65 in.	18 Per Pallet	59645



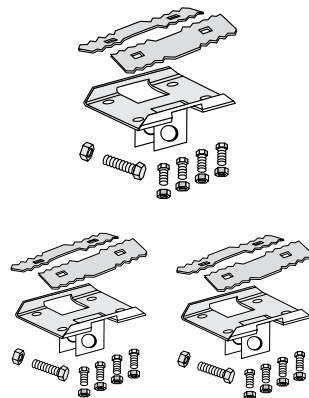
CONCRETE LONGITUDINAL HARDWARE KITS

Hardware Kit for 1 strut
Includes: I-beam brackets,
nuts, bolts and washers

Part ID: **59163**

Hardware Kit for 2 struts
Includes: I-beam brackets,
nuts, bolts and washers

Part ID: **59263**

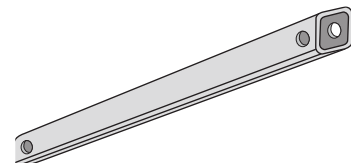


Optional Double Longitudinal bracket kit for double beams

Part ID: **59652**

LONGITUDINAL STRUTS FOR CONCRETE SYSTEMS

Length	Pier Height	Part ID:
30 in.	up to 2 Blocks	59016
39 in.	up to 3 Blocks	59012
44 in.	up to 4 Blocks	59013
53 in.	up to 5 Blocks	59014
65 in.	up to 6 Blocks	59015



FOUNDATION SYSTEMS

XI2 STEEL PIER SYSTEMS

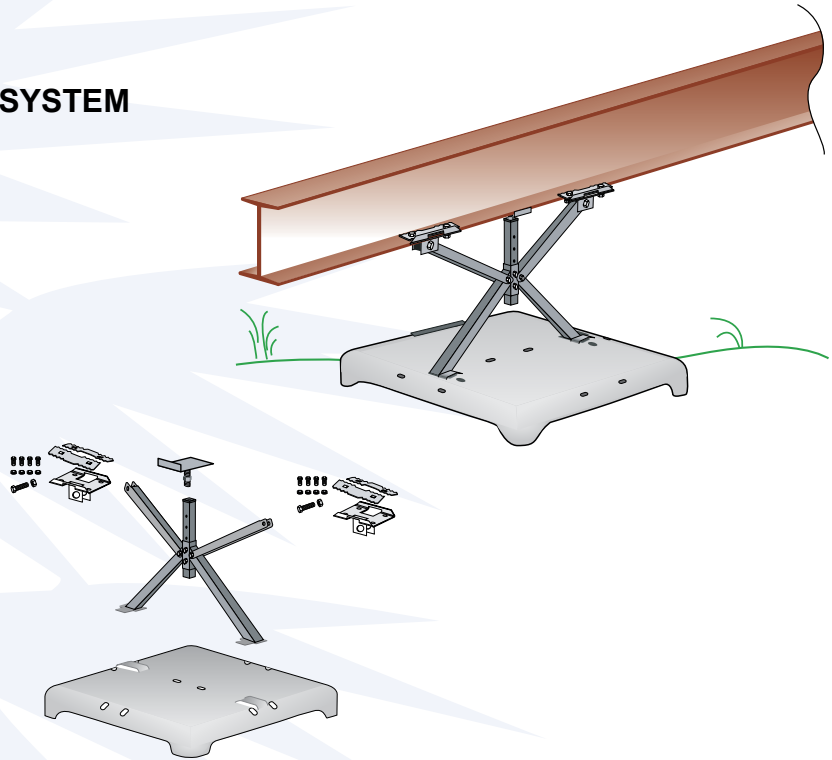
XI2 STEEL PIER LONGITUDINAL SYSTEM

Includes: steel pier/longitudinal struts,
foundation base pad & Hardware.
Packed 30 per pallet.

12 in. Pier Height	Part ID: 59321
25.5 in. Pier Height	Part ID: 59314
36 in. Pier Height	Part ID: 59317

Steel Pier Pad Only
Part ID: **59326**

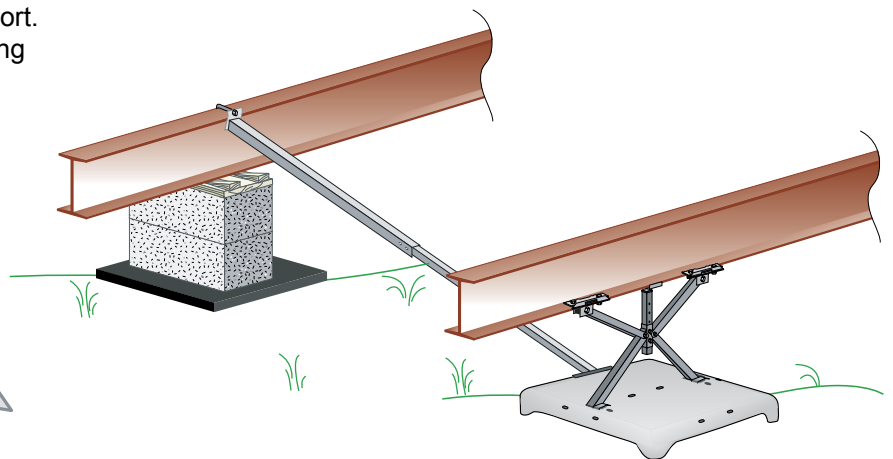
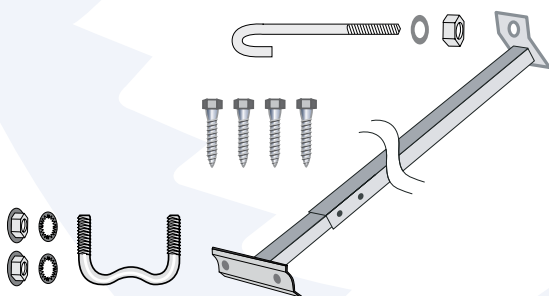
Steel Pier Hardware kit
Part ID: **59313**



LATERAL STABILIZATION STRUTS

Steel Piers can be combined for lateral support.
Includes 5 or 6 ft. lateral strut and all mounting
hardware.

5 ft. Xi2 Lateral Strut	Part ID: 59345
6 ft. Xi2 Lateral Strut	Part ID: 59348



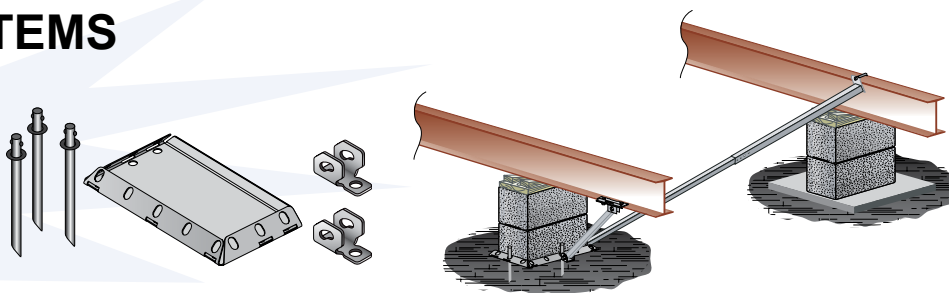
FOUNDATION SYSTEMS

XI2 ASPHALT SYSTEMS

CONCRETE BLOCK SET

Includes: Asphalt Pad (Block),
Brackets and Rods

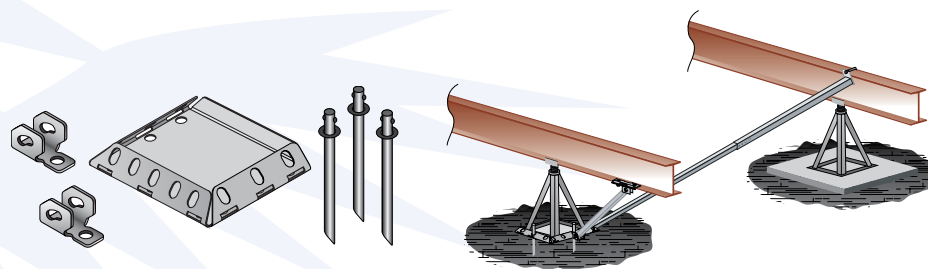
Part ID: **59604**



STEEL PIER SET

Includes: Asphalt Pad (Steel Pier),
Bracket and Rods

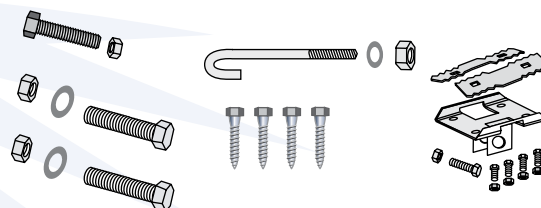
Part ID: **59616**



STANDARD "I" BEAM HARDWARE KIT

Kit includes: beam clamps, bolts, washers,
nuts, self tapping screws and j-bolt.

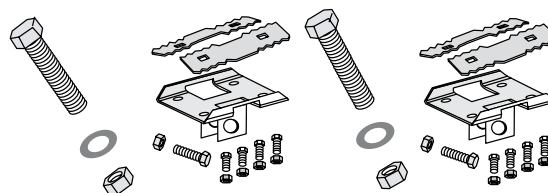
Part ID: **59619**



PERIMETER "I" BEAM HARDWARE KIT

Kit includes: beam clamps, nuts, bolts and washers.

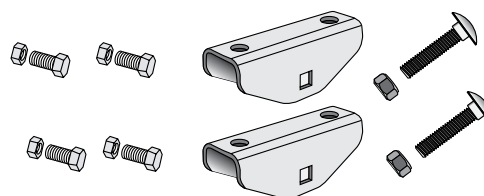
Part ID: **59617**



PERIMETER "C" BEAM HARDWARE KIT

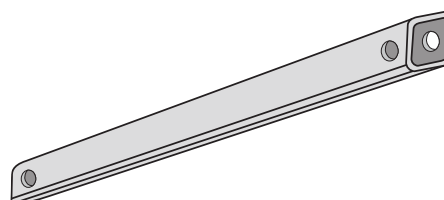
Kit includes: mounting brackets, nuts and bolts.

Part ID: **59618**



STRUTS FOR LONGITUDINAL & PERIMETER

Length	Pier Height	Part ID:
30 in.	up to 2 Blocks	59016
39 in.	up to 3 Blocks	59012
44 in.	up to 4 Blocks	59013
53 in.	up to 5 Blocks	59014
65 in.	up to 6 Blocks	59015



FOUNDATION SYSTEMS

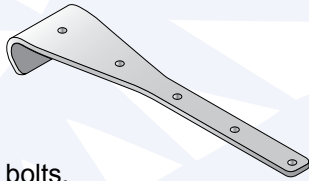
XI2 FROST FREE FOUNDATION SUPPORT

A cost effective Engineered Perimeter Foundation Support for use with Frost Protected designs meeting Model Installation "Standard", HUD 24 CFR 3285, International Residential Code (IRC) Appendix E and ANSI A225.1. For replacement of perimeter piers up to a maximum of 8' for a 40 lb. snow load.

STANDARD

Bracket includes:
5 (3/8 in. x 3 in.) lag bolts.

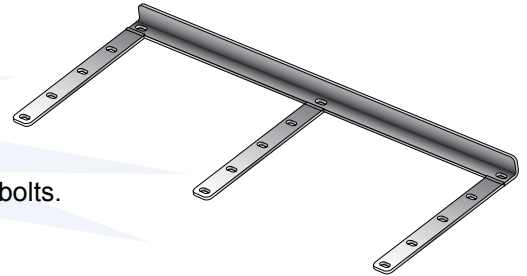
Part ID: **59372**



HEAVY DUTY

Bracket includes:
15 (3/8 in. x 3 in.) lag bolts.

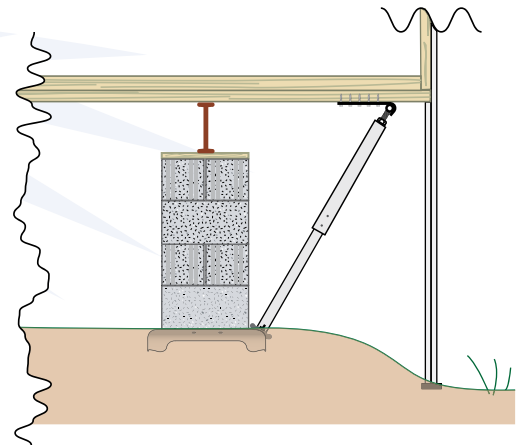
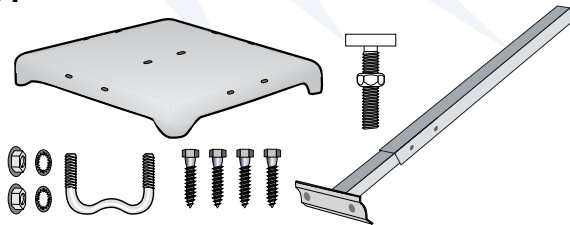
Part ID: **59373**



FROST FREE "GROUND" HARDWARE KIT

Used with either the Standard (#59372) or Heavy Duty (#59373) Frost Free Brackets
Kit includes: Strut, T-bolt, self tapping screws, u-bolt, washers, nuts base pan.

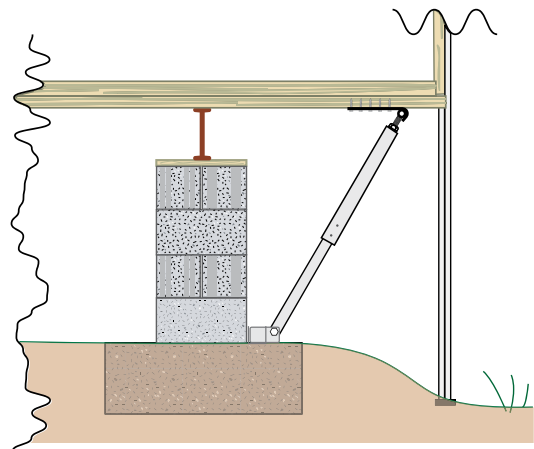
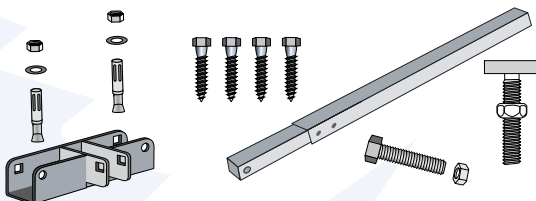
Part ID: **59391**



FROST FREE "CONCRETE" HARDWARE KIT

Used with either the Standard (#59372) or Heavy Duty (#59373) Frost Free Brackets
Kit includes: Strut, concrete bracket, T-bolt, self tapping screws, bolt and nut.

Part ID: **59392**

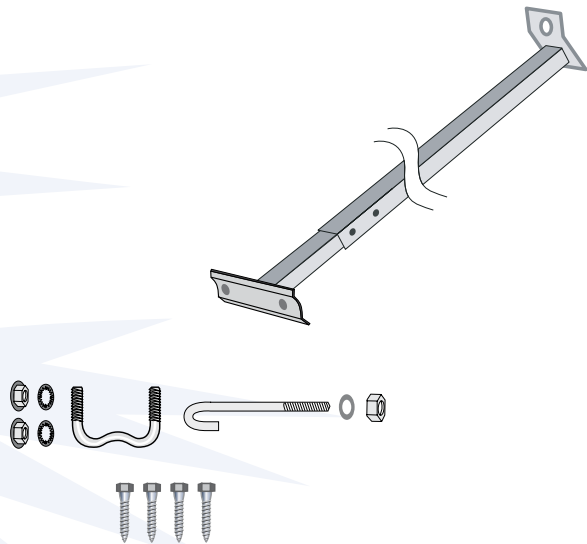


HARDWARE

XI2 HARDWARE FOR GROUND SYSTEMS

Lateral Struts	5 ft.	Part ID: 59330
	6 ft.	Part ID: 59349
	7 ft.	Part ID: 59346

Ground Hardware Kit	Part ID: 59329-1
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Steel Ground Pad	Part ID: 59305
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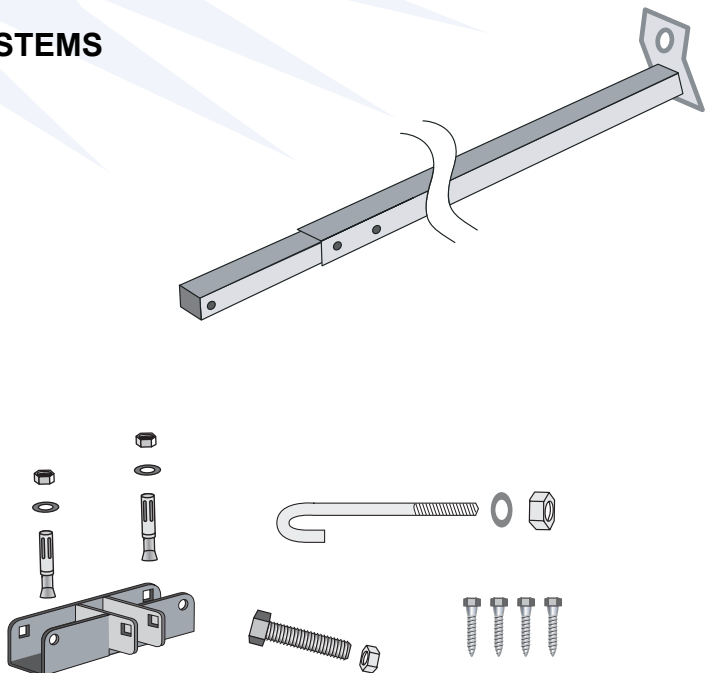
XI2 HARDWARE FOR CONCRETE SYSTEMS

Lateral Struts

5 ft.	Part ID: 48609
6 ft.	Part ID: 48608
7 ft.	Part ID: 59347

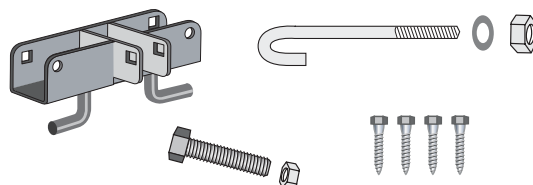
Concrete Dry Set Hardware Kits

One Per Box	Part ID: 59327
Two Per Box	Part ID: 59027



Concrete Wet Set Hardware Kits

One Per Box	Part ID: 59335
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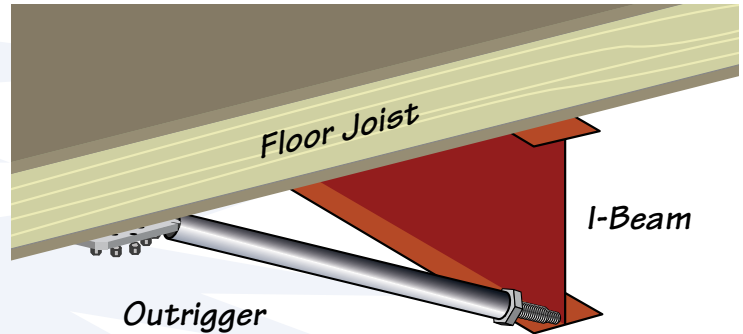


FINISHING PRODUCTS

ADJUSTABLE OUTRIGGER/DIAGONAL STRUT

Use under doors and windows instead of perimeter blocking. Allows for easy door adjustments. Easy to install, installation instructions included. Includes all hardware.

18 in. for 12 ft. - 14 ft. Frame	Part ID: 59361
24 in. for 14 ft. Frame	Part ID: 59363
36 in. for 16 ft. Frame	Part ID: 59365

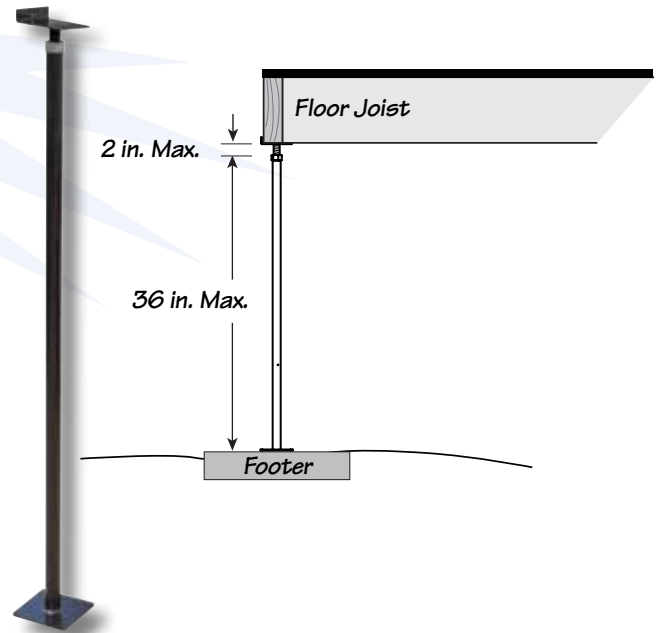


ADJUSTABLE PERIMETER PIER SUPPORT

To be used for Perimeter Blocking Only, not intended to replace foundation piers required by the manufacturer. Helps to support doors, windows or heavy objects on outside walls of unit.

36" post can be adjusted in the field by cutting top of tube 1" less than needed height to go from the top of footing to the bottom of the "I" Beam. Pier head can be adjusted up to 2" above the adjustment nut. 5,000 lbs. capacity.

Part ID: **59640**



AIR CONDITIONER BRACKET

1 1/4" X 4" Galvanized bracket for holding air conditioning unit to pad in High wind areas. Comes 2 per pack with concrete screws.

Part ID: **59667**



FINISHING PRODUCTS

RACKING ALIGNMENT BRACKETS

Easy alignment of problem roofs. Helps to eliminate popped seams from lifting on corners of the home. Thick galvanized steel for years of service. One person operations saves time and money.

Part ID: **59366**



LATCH SAV'R

Prevents damage to the latch area of most outswing doors and helps cover existing door damage. Simply remove door lock, lay plate on the door behind the lock, replace lock and tighten in place.

Stainless Steel
White Powder Coat

Part ID: **59394**
Part ID: **59398**



SKIRT HANG'R

- Easily attaches to rim joist
- Pre-drilled and slotted for easy adjustment
- Galvanized to last a lifetime
- Mounts directly to the back rail or use the Skirt Hang'r for mounting support rails
- Meets HUD requirements 3285.504
- Stops vinyl to vinyl expansion and contraction problems
- Eliminates water between siding and trim wall cavities

Part ID: **43779**



TRANSPORTATION & TOWING

AXLE REMOVAL SKID

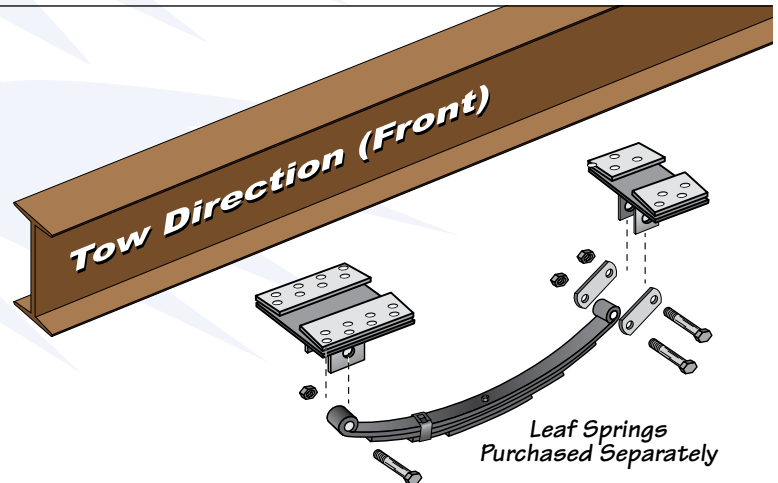
Used when removing axles after completion of setting unit on site. Simply unbolt axle and lay in skid pan with hub behind bracket, move to opposite side and after removing bolts, slide axle out from under home. Turns a rough job into a safe one person operation.

Part ID: **59399**



EMERGENCY SPRING HANGER KIT

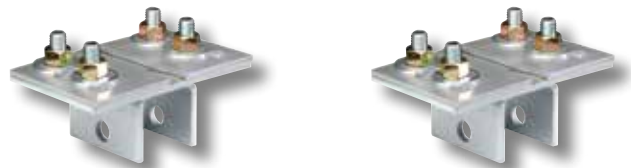
For temporary attachment of spring hangers, allowing for additional axle installations when broken down in the field. 4 bolt and 8 bolt models designed for use on 3" or 4" beams, simply bolt to the I-beam and add an axle where needed.



4 BOLT MODEL KIT - LIGHT DUTY

Kit includes: 4 - 4 bolt mounting brackets, 6 shackle bolts with nuts, 4 - shackle links

Part ID: **59600K**



8 BOLT MODEL KIT - HEAVY DUTY

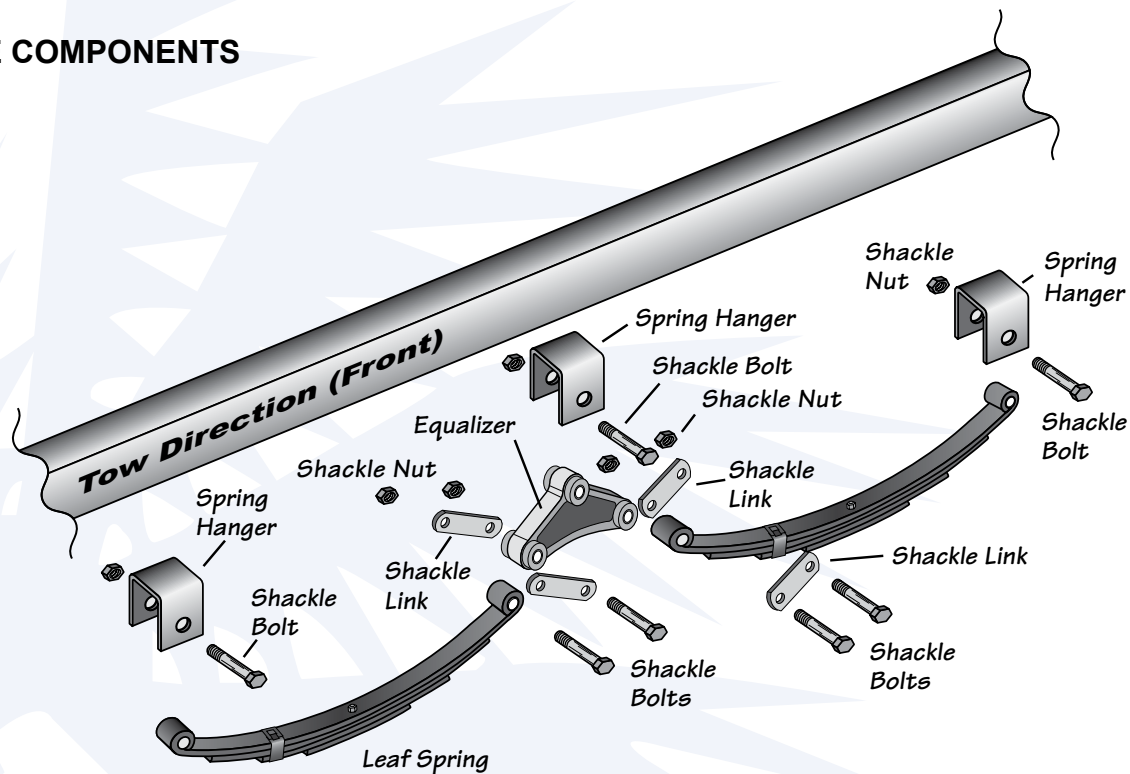
Kit includes: 2 - 4 bolt and 2 - 8 bolt mounting brackets, 6 shackle bolts with nuts, 4 - shackle links

Part ID: **59601K**



TRANSPORTATION & TOWING

AXLE COMPONENTS



Product

Double Eye, Four Leaf Spring
Double Eye Cast Equalizers

Spring Hanger

Zinc Shackle Link

Shackle Bolt

Shackle Nut

Description

25-1/4 in. Long x 1-3/4 in. Wide 3,000# Capacity

EQ-104

EQ-310

1.44 in. High x 1.75 in. Wide

3.344 in. High x 2.0 in. Wide

1.25 in. W x 2.125 in.(hole to hole) X 3.75 in. L

9/16 in. x 3 in. Grade 5 Zinc Fluted

9/16 in. Zinc

Part ID:

13072 (Special Order)

44018

44055

17013

44415

44536

10830

10688

AXLE MOUNTING COMPONENTS

Product

U-bolts

Spring Hanger

Hex Head Nuts

Zinc Washers

Spring Tie Plate

Spring Axle Seat

Description

1/2 in. x 6.5 in. Long for 3 in. dia. tube

1/2 in. x 7.12 in. Long for 3 in. dia. tube

1.44 in. High x 1.75 in. Wide

3.344 in. High x 2.0 in. Wide

1/2 in. Zinc

3 in. Axle Tie Plate

3 in. Axle Seat

Part ID:

10831

10832

17013

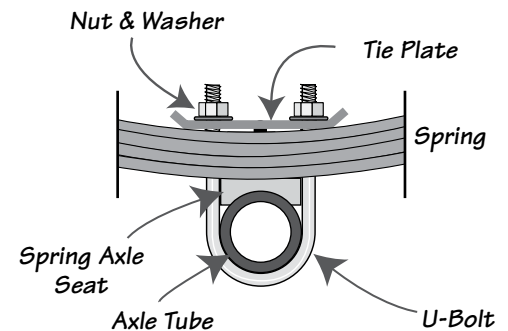
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10643

10019

17114

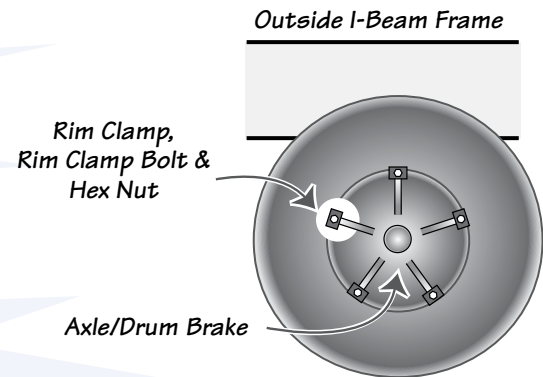
17121



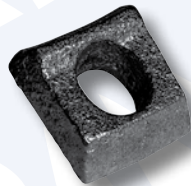
TRANSPORTATION & TOWING

WHEEL COMPONENTS

Product	Description	Part ID:
Rim Clamp	1-1/4 in. Rim Clamp, Fits Most Hubs with Lugs or Studs	10875
Rim Clamp Bolts	1/2 in.-13 X 1-7/8 in. Black	10873
	1/2 in.-13 X 2-1/4 in. Black	10876
Lug Stud	1/2 in.-20 X 2 in. Zinc	11123
Lug Nut	1/2 in.-20 Zinc	10641
Tapered Lug Bolt	1/2 in.-20 X 1-5/8 in. Zinc	10965



Rim Clamp Lug Bolt



Rim Clamp



Lug Stud



Lug Nuts



Tapered Lug Bolt

HUB COMPONENTS

Product	Description	Part #
Dust/Grease Caps		46494
Castle Nut		10665
Spindle Washer		10520
Cotter Pin		10560
Bearings	Outer Bearing 1-1/4 in. (L67048)	11058
	Inner Bearing 1-3/8 in. (L68149)	11060
	Inner Bearing 1-3/4 in. (L25580)	11064
Race/Cups	For 1-1/4 in. Bearings (L67010)	11057
	For 1-3/8 in. Bearings (L68111)	11061
	For 1-3/4 in. Bearings (L25520)	11067
Grease Seal	2.52 in. O.D. - 1.688 I.D.	11088
	2.569 in. O.D. - 1.719 I.D.	11092



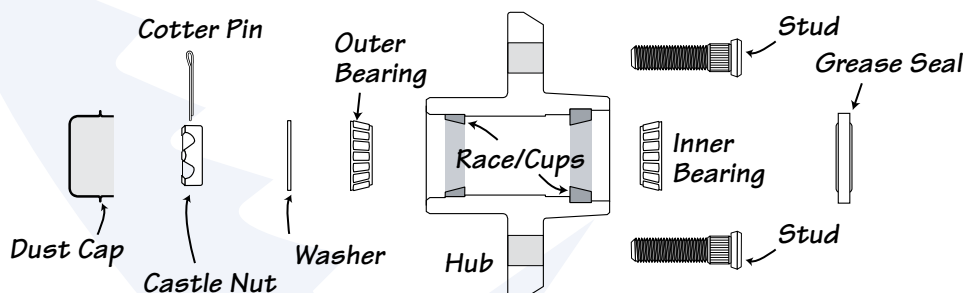
Bearings



Race/Cups



Seals



TIE DOWN

MANUFACTURING INGENUITY

Manufactured Housing Products Division

TIE DOWN

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ISO 9001:2015 Certification

#08278 (D1497 Rev. 10/15/2020)

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