



Instrument Stands & Racks

Materials and Finishes:

Hot-Dipped Galvanized per
ASTM A-123

Aluminum

304 Stainless Steel

316 Stainless Steel

Painted

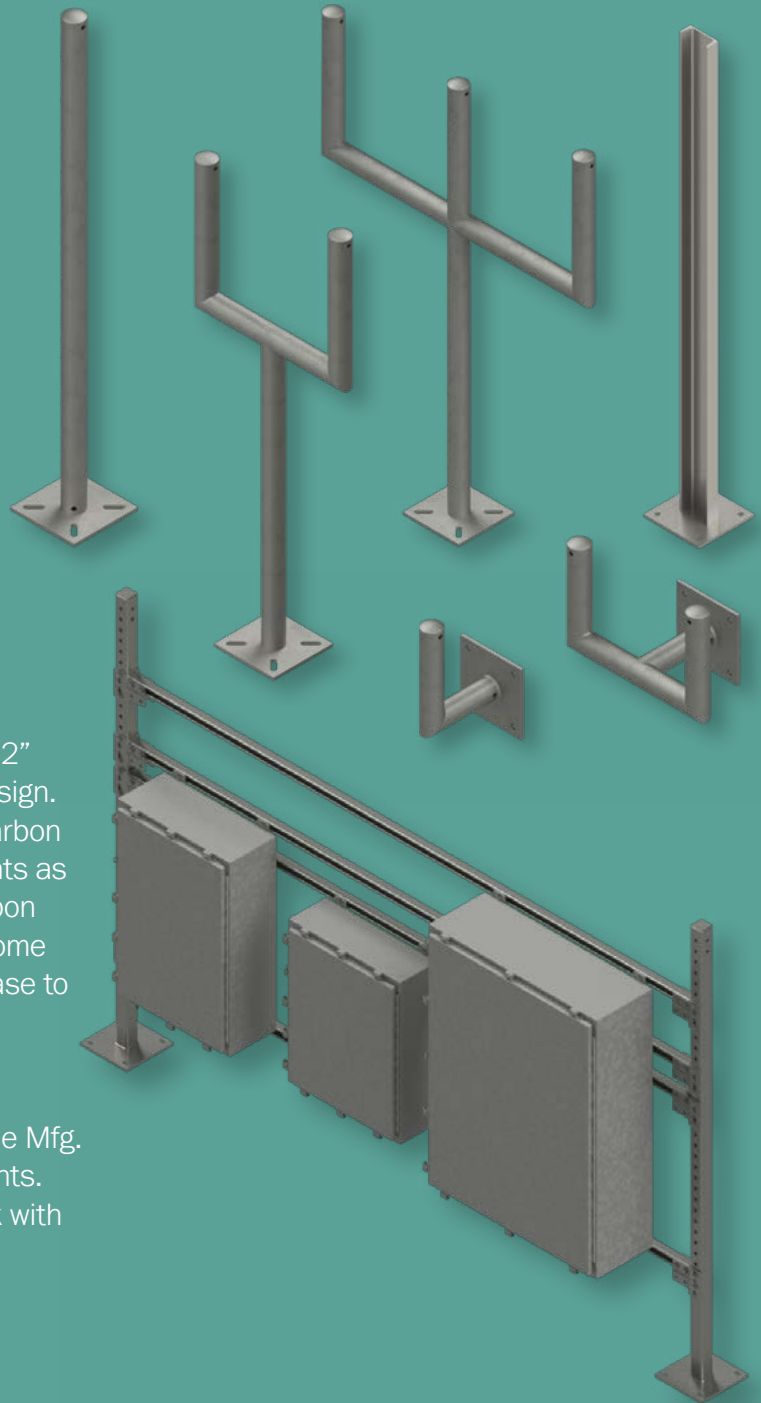
Powder Coated

General Stand Specifications:

TechLine Mfg. stands are fabricated from 2" Schedule 40 pipe and utilize a flat cap design. TechLine offers Hot-Dipped Galvanized Carbon Steel meeting ASTM A123/89 requirements as a standard. Optional coatings available upon request. Hot-Dipped Galvanized stands come standard with weep holes and an open base to allow for drainage.

Custom Fabrication:

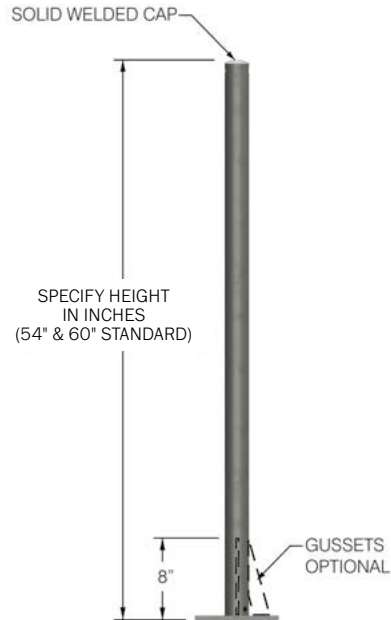
With our onsite fabrication facility, TechLine Mfg. can handle any of your custom requirements. We can build to your drawings or can work with you to design to your requirements.



Instrument Stands

Single Floor Stand

Single Floor Stand



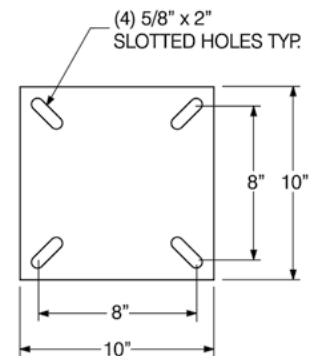
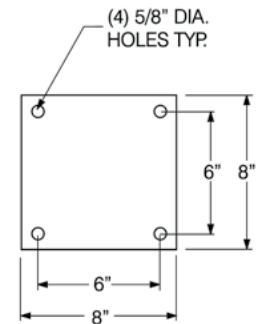
General Stand Specifications:

TechLine Mfg. stands are fabricated from 2" Schedule 40 pipe and utilize a flat cap design. Standard stock stands have an 8" x 8" x 3/8" base plate, and a variety of sizes and thicknesses are available upon request. Gussets can also be added upon request for additional support. TechLine Mfg. offers Hot-Dipped Galvanized Carbon Steel meeting ASTM A123/89 requirements as a standard. Optional coatings available upon request. Hot-Dipped Galvanized stands come standard with weep holes and an open base to allow for drainage.

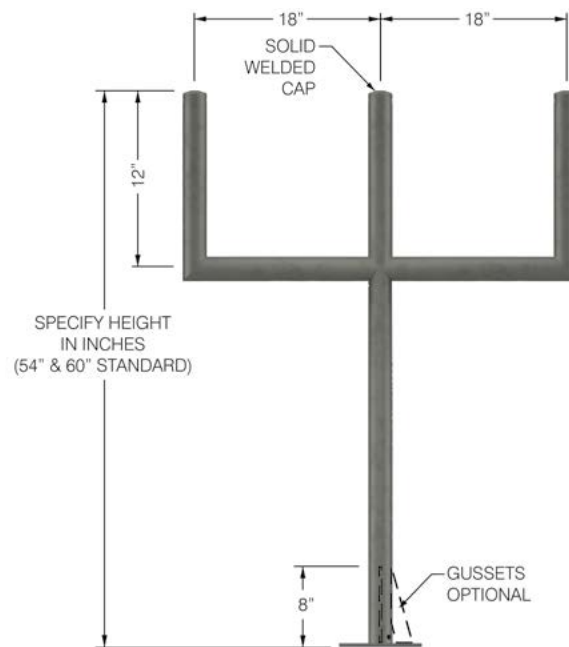
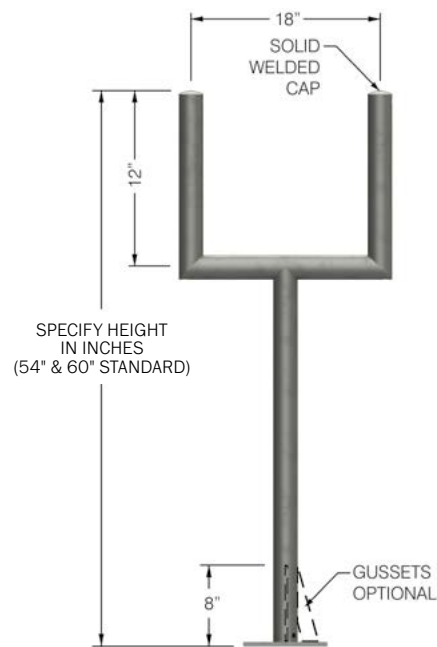
For mounting hardware, see page 106.

Example: TLIS - 2 - FS - 1 - GV - 54 - 8 - *

Basic Part: TechLine Mfg. Instrument Stand	
Size of Pipe: (2" or 3")	
Type of Mount: Floor Stand (FS)	
No. of Columns: 1	
Material Finish: Aluminum (AL) Galvanized (GV) 304SS (4SS) 316SS (6SS) Painted (PT)	
Heights: Specify height in inches (Standard is 52", 54" & 60")	
Base Plate Size: 8" x 8" x 3/8" 10" x 10" x 1/4"	
Optional Gussets: G	



Double & Triple Floor Stands



Example: TLIS - 2 - FS - * - GV - 54 - 8 - *

Basic Part:
TechLine Mfg. Instrument Stand

Size of Pipe: (2" or 3")

Type of Mount:
Floor Stand (FS)

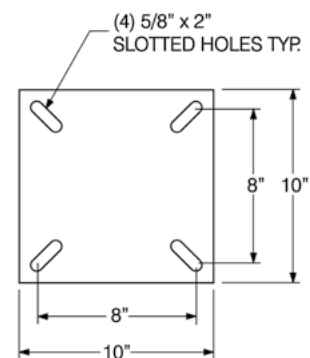
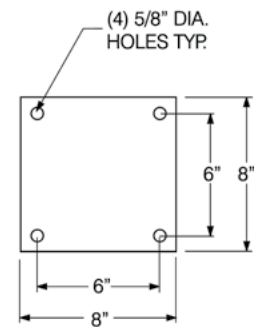
No. of Columns:
2
3
*Up to 4 Uprights Per Single Leg
Stand. More, Please Use Dual Leg.

Material Finish:
Aluminum (AL)
Galvanized (GV)
304SS (4SS)
316SS (6SS)
Painted (PT)

Heights:
Specify height in inches
(Standard is 52", 54" & 60")

Base Plate Size:
8" x 8" x 3/8"
10" x 10" x 1/4"

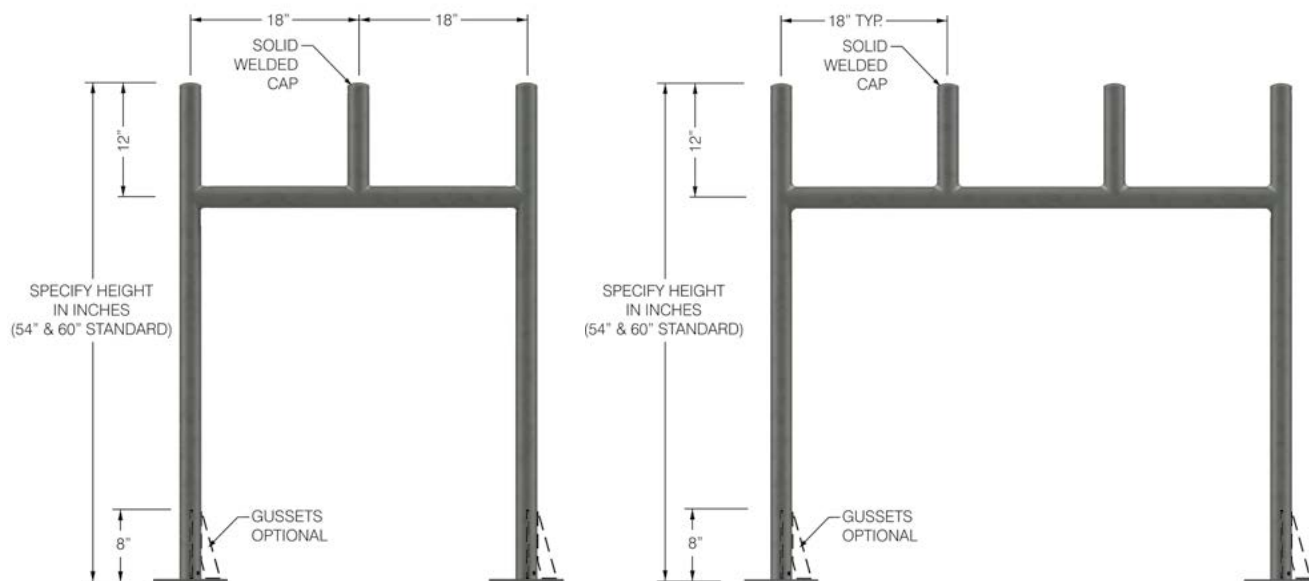
Optional Gussets: G



Instrument Stands

Triple & Quadruple Multi-Rack

Triple & Quad Multi-Rack Floor Stands



Example: TLIS - 2 - FS - 3 - GV - 54 - 8 - * - DL

Basic Part:
TechLine Mfg. Instrument Stand

Size of Pipe: (2" or 3")

Type of Mount:
Floor Stand (FS)

No. of Columns:

- 1
- 2
- 3
- 4

Material Finish:

Aluminum (AL)
Galvanized (GV)
304SS (4SS)
316SS (6SS)
Painted (PT)

Heights:

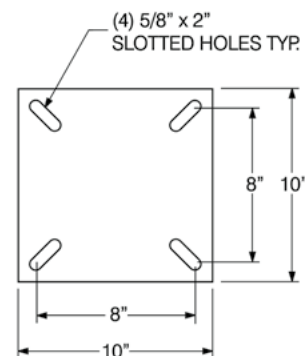
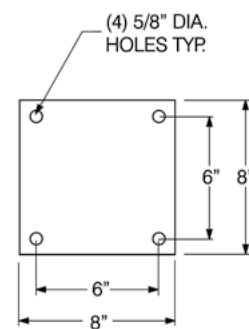
Specify height in inches
(Standard is 54" & 60")

Base Plate Size:

8" x 8" x 3/8"
10" x 10" x 1/4"

Optional Gussets: G

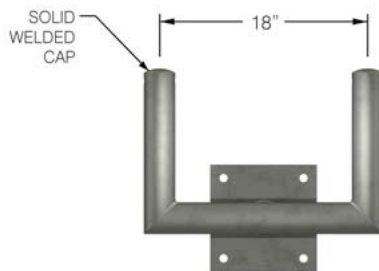
Double Leg: DL



Wall Mount Stands



See Beam Mount Bracket on page 105 for easy installation.



Example: TLIS - 2 - WM - 1 - GV - 8

Basic Part:
TechLine Mfg. Instrument Stand

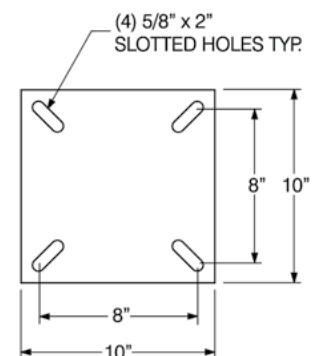
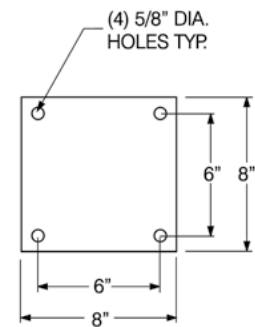
Size of Pipe: (2" or 3")

Type of Mount:
Wall Mount (WM)

No. of Columns:
1
2
3

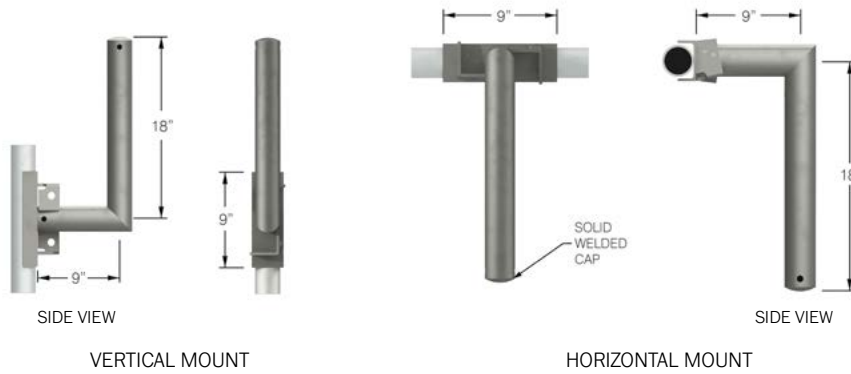
Material Finish:
Aluminum (AL)
Galvanized (GV)
304SS (4SS)
316SS (6SS)
Painted (PT)

Base Plate Size:
8" x 8" x 3/8"
10" x 10" x 1/4"



Instrument Stands

Vertical & Horizontal Cable Mount Stands



General Specifications:

Provides adjustable mounting capabilities on process lines. 2" schedule 40 pipe welded to 3" extruded channel. The channel provides the gripping edge on the process line. Two high-tensile strength cables 5/16" dia. wraps around the process line holding the stand in place. Galvanized cable is standard. SS Cable is optional. Cables are available in two lengths, 50" for process lines 3" to 14" dia. & 120" for process lines 3" to 36" dia. One end of cable terminates on the base bracket in a galvanized wire rope clip. The other end has a 5/8" threaded end which also terminates on the base bracket. 5/8"- 11 carbon steel zinc plated hex nut and SS plated washer used as a fine adjustment.

Example: TLIS - 2 - VCS - 1 - GV - 18 - 50 - ZP

Basic Part:
TechLine Mfg. Instrument Stand

Size of Pipe: (2" or 3")

Type of Mount:
Vertical Cable Stand (VCS)
Horizontal Cable Stand (HCS)

No. of Columns:
1

Material Finish:
Aluminum (AL)
Galvanized (GV)
304SS (4SS)
316SS (6SS)
Painted (PT)

Length:
Specify length in inches
(Standard is 18")

Cable Length:
50" = 3" to 14" pipe
120" = 3" to 36" pipe

Cable Material:
304SS (SS)
Zinc Plated (ZP)



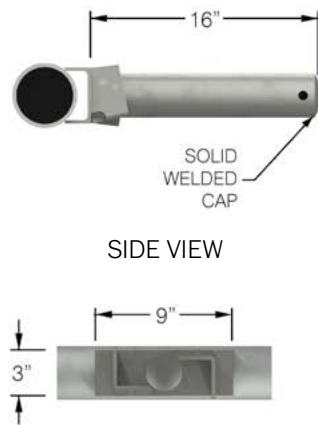
Material:

Galvanized Carbon Steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

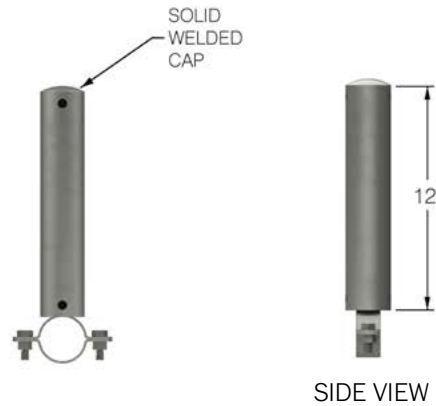
Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

Cable Mount Stand / Pipe Mount Stand



CABLE STAND



PIPE MOUNT STAND

Example: TLIS-2-CS-1-GV-16-50-ZP

Basic Part: TechLine Mfg. Instrument Stand	
Size of Pipe: (2" or 3")	
Type of Mount: Cable Stand (CS)	
No. of Columns: 1	
Material Finish: Aluminum (AL) Galvanized (GV) 304SS (4SS) 316SS (6SS) Painted (PT)	
Length: Specify length in inches (Standard is 16")	
Cable Length: 50" = 3" to 14" pipe 120" = 3" to 36" pipe	
Cable Material: 304SS (SS) Zinc Plated (ZP)	

Example: TLIS-2-PM-1-GV-12- *

Basic Part: TechLine Instrument Stand	
Size of Pipe: (2" or 3")	
Type of Mount: Pipe Mount (PM)	
No. of Columns: 1	
Material Finish: Aluminum (AL) Galvanized (GV) 304SS (4SS) 316SS (6SS) Painted (PT)	
Length: Specify length in Inches (Standard is 12")	
Pipe Clamp Diameter: Specify length in Inches 2" through 12"	

Material:

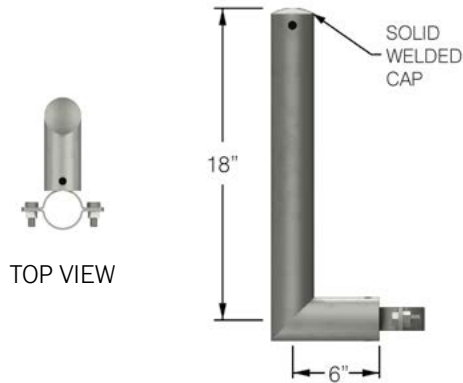
Galvanized Carbon Steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

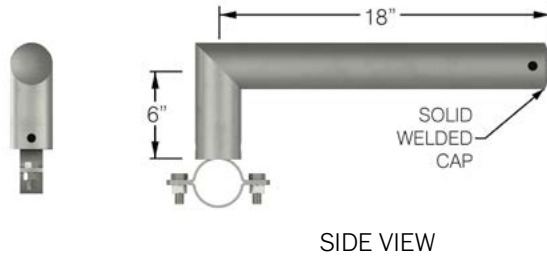
Instrument Stands

Vertical & Horizontal Pipe Mount Stand



TOP VIEW

VERTICAL MOUNT



SIDE VIEW

HORIZONTAL MOUNT

Example: TLIS - 2 - VPM/HPM - 1 - GV - 18 - 2

Basic Part:
TechLine Mfg. Instrument Stand

Size of Pipe: (2" or 3")

Type of Mount:
Vertical Pipe Mount (VPM)
Horizontal Pipe Mount (HPM)

No. of Columns:
1

Material Finish:
Aluminum (AL)
Galvanized (GV)
304SS (4SS)
316SS (6SS)
Painted (PT)

Length:
Specify length in inches
(Standard is 18")

Pipe Clamp Size:
2" thru 12"

General Specifications:

Vertical Pipe Mount

- Uses 2" SCH40 pipe welded to saddle style pipe clamp. Specify line size in inches.
- Solid welded cap is standard.

Horizontal Pipe Mount

- Uses 2" SCH40 pipe welded to saddle style pipe clamp. Specify line size in inches.
- Solid welded cap is standard.

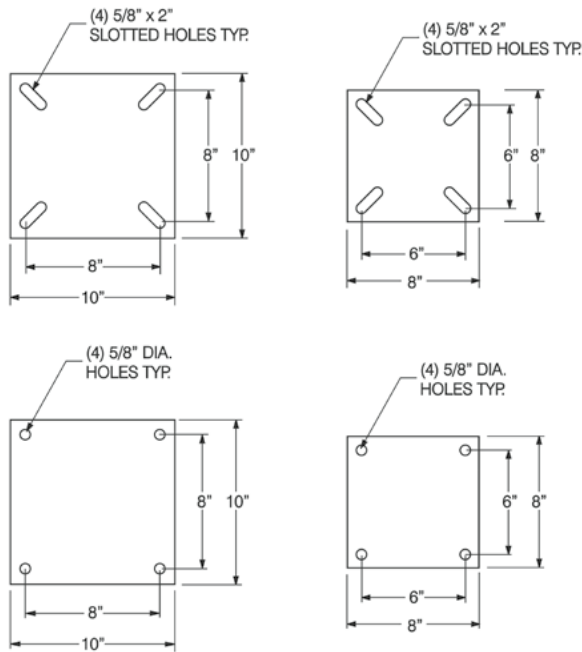
Material:

Galvanized Carbon Steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

Channel Floor Stand



For mounting hardware, see page 105.

General Specifications:

TechLine Mfg. offers single channel floor stands fabricated from structural channel and flat structural bar for the base. Customer to specify channel width and height as well as base plate size.

Standards:

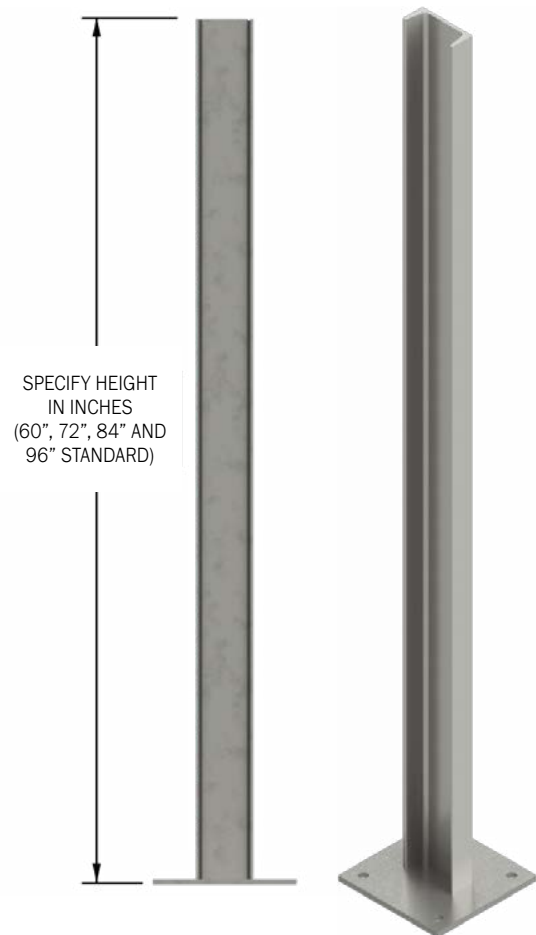
TechLine Mfg. stocks Hot-Dipped Galvanized 4" wide channel stands with 8"x8"x3/8" base plates in 5', 6', 7' and 8' heights.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

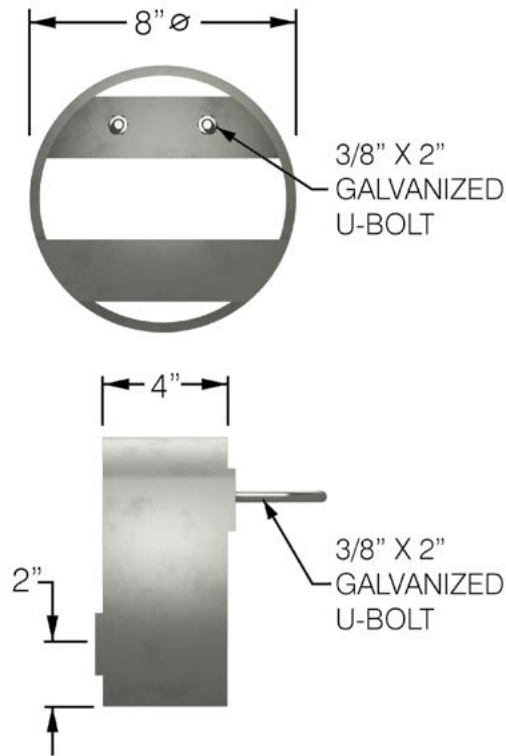
Example: TLIS - 4 - CFS - 1 - GV - 60 - 8

Basic Part: TechLine Mfg. Instrument Stand	
Channel Size: (3" - 12")	
Type of Mount: Channel Floor Stand (CFS)	
No. of Columns: 1	
Material Finish: Aluminum (AL) Galvanized (GV) 304SS (4SS) 316SS (6SS)	
Heights: Specify height in inches (Standard is 60", 72", 84", & 96")	
Base Plate Size: 8" 10" (1/4" and 3/8" standard thickness)	



Instrument Stands

Capillary Spool



CH-8-__ __

General Specifications:

8" Schedule 40 Carbon Steel Capillary Spool.

This spool can be mounted horizontally or vertically. 2"x1/4" flat bar has two holes drilled to accept a 3/8" x 2" U-bolt for mounting.

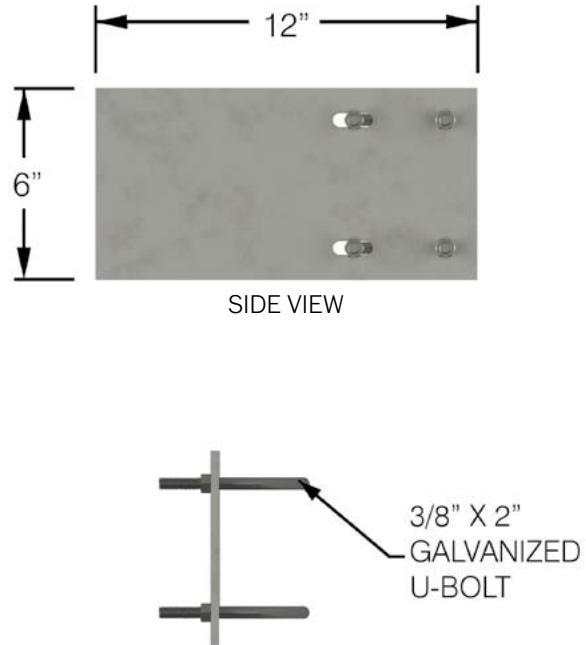
Material:

Carbon steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

Mounting Flag



TLIS2UFP-__ __

General Specifications:

1/4" Steel Plate Adapter

1/4" steel plate 6" x 12". Plate is slotted to accept two U-bolts that are 3/8" x 2" galvanized steel with two hex nuts.

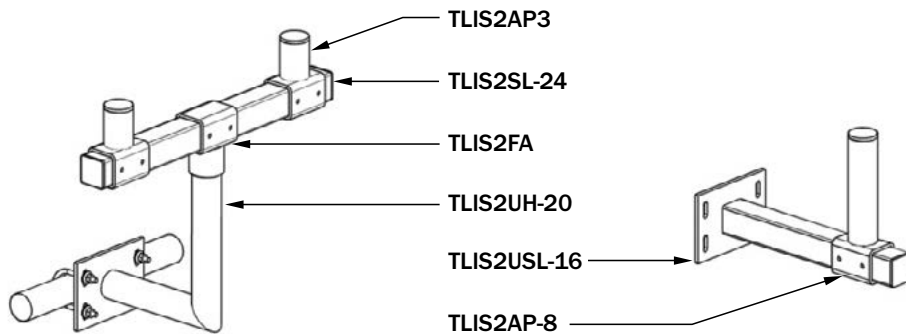
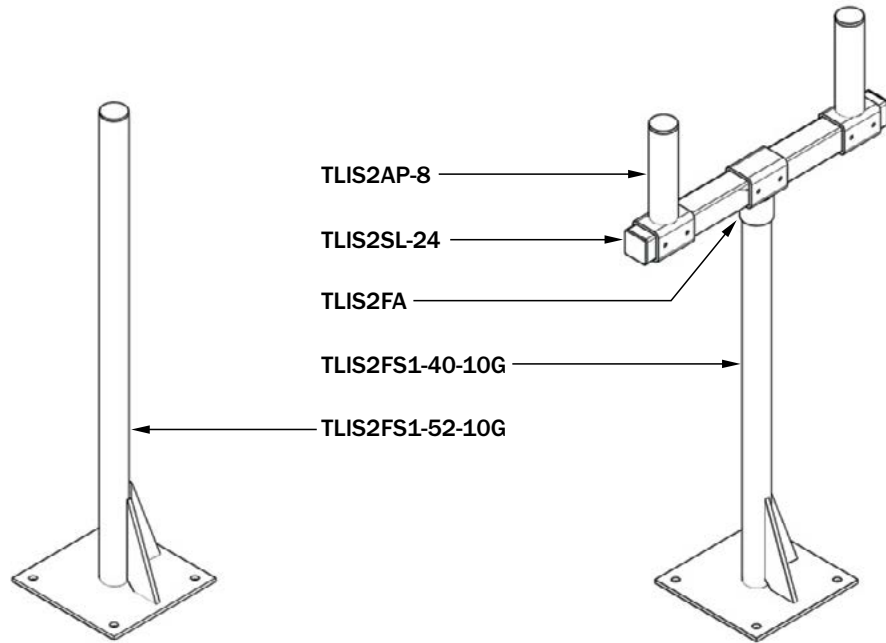
Material:

Carbon steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

Tech-Mount Modular



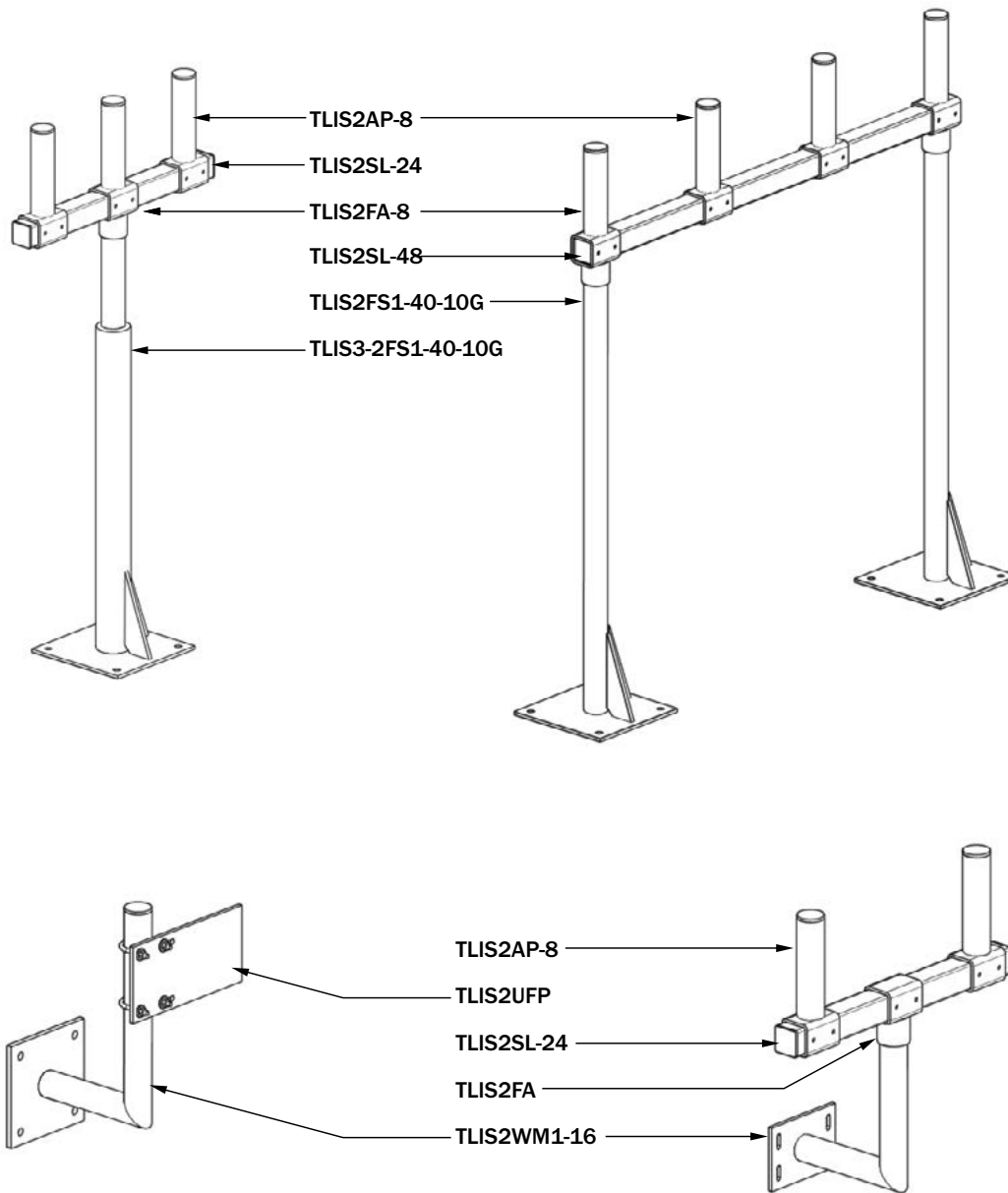
Tech-Mount Modular Systems:

TechLine Mfg. can help you configure components needed for a modular instrument support system. Each part shown is featured in this catalog. Please refer to pages 99-102 for more detailed information and drawings of the individual parts shown here.

Instrument Stands

Tech-Mount Modular

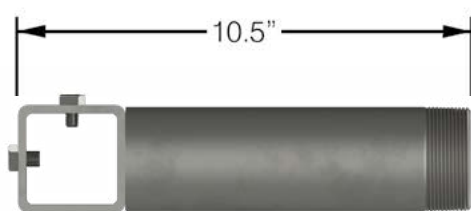
Tech-Mount



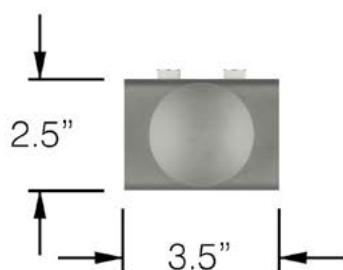
Tech-Mount Modular Systems:

TechLine Mfg. can help you configure components needed for a modular instrument support system. Each part shown is featured in this catalog. Please refer to pages 99-102 for more detailed information and drawings of the individual parts shown here.

Female Pipe and Square Tube Adapter



SIDE VIEW



TLIS2TAP8 __*__*

General Specifications:

2-1/2" Square Tube

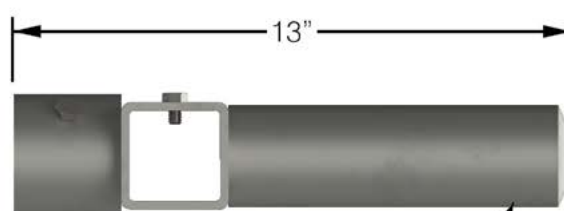
- This female adapter is primarily used with modular instrument stands.
- 2-1/2" square tube 3-1/2" long welded to the bottom of a 2" SCH 40 pipe extension 8" long pipe thread one end. Four 5/16" x 1/2" zinc-plated hex bolts in square tubing for securing.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings such as painting and powder coating available upon request.

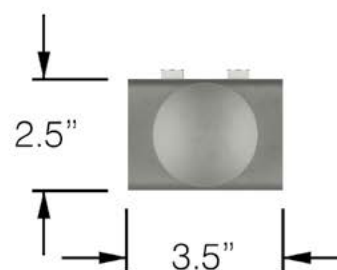
Materials:

Galvanized Carbon Steel is standard. Aluminum, 304SS, and 316SS.



SIDE VIEW

2" PIPE



TLIS2FA8 __*__*

General Specifications:

2-1/2" Female Adapter with 8" Extension

- This adapter provides a female junction for 2" pipe. 2" SCH 40 pipe extension 8" long welded to 2-1/2" square tube 3-1/2" long, with a 2-1/2" pipe base. Six 5/16" x 1/2" zinc-plated hex bolts in 2-1/2" pipe for securing.

Coating:

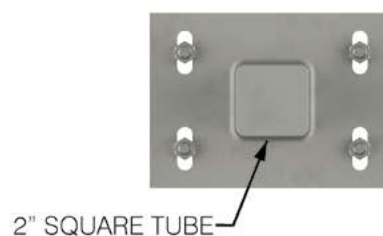
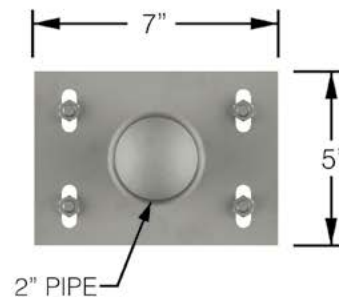
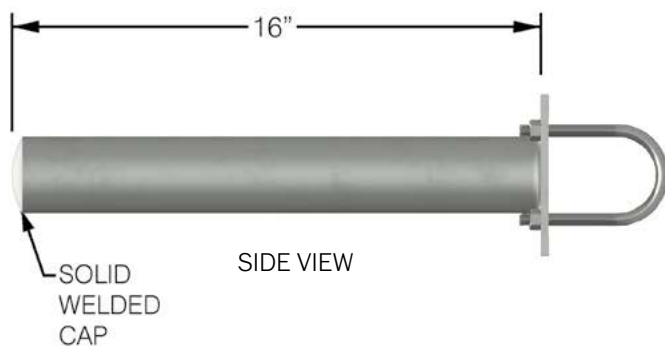
Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings such as painting and powder coating available upon request.

Materials:

Galvanized Carbon Steel is standard. Aluminum, 304SS, and 316SS.

Instrument Stands

Round & Square Leg U-bolt Mount Stands



Example: TLIS - 2 - URL/USL - GV - 16 - 2

Basic Part: TechLine Mfg. Instrument Stand	
Size of Pipe: (2" or 3")	
Type of Mount: U-bolt Round Leg (URL) U-bolt Square Leg (USL)	
Material Finish: Aluminum (AL) Galvanized (GV) 304SS (4SS) 316SS (6SS) Painted (PT)	
Length: Specify length in inches (Standard is 16")	
U-bolt Size: 2" thru 4"	

General Specifications:

U-bolt Mount Stands

- 16" long 2" round or square leg extension for use with primary modular instrument stand. Fully galvanized steel welded cap provides weather tight seal as standard
- 1/4" steel plate 5' x 7".

Both can be mounted horizontally or vertically. 3/8" diameter galvanized U-bolts, nuts and washers are supplied with each for mounting.

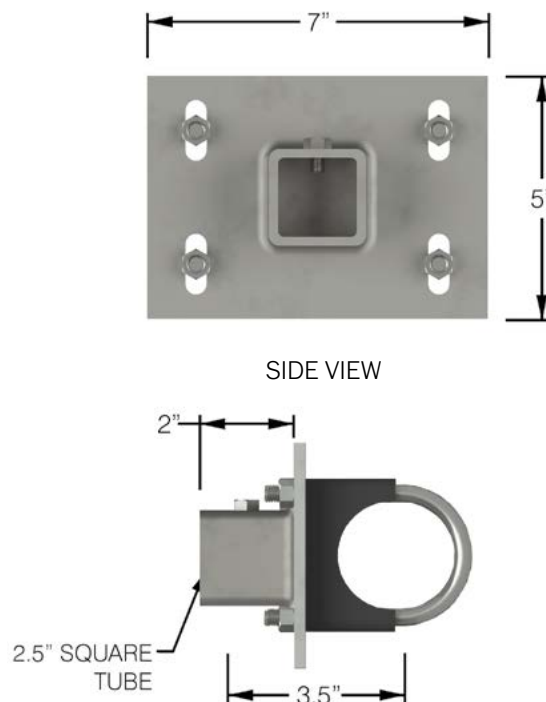
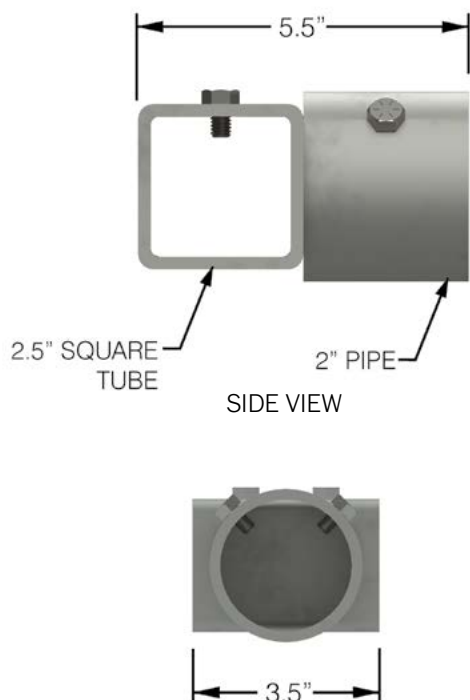
Material:

Carbon Steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

Female Adapter & Square Tube Rack Adapter



** 2" diameter shown. Muffler Clamp only available in 2" diameter. For larger sizes, Please contact the factory.

TLIS2FA * *

General Specifications:

2-1/2" Female Adapter

- Has 2 1/2" SCH 40 pipe, extension 2" long which provides a female junction for 2" pipe. This female adapter is used with primary modular instrument stand. 2" SCH 40 pipe 9" long is welded to 2 1/2" square tubing 3 1/2" long. .188" wall thickness in carbon steel. Four 5/16" x 1/2" zinc plated hex bolts in square tubing and two in pipe.

Material:

Carbon steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

TLIS2FUS * *

General Specifications:

2-1/2" Square Tube Rack Adapter for use with primary modular instrument stand

- This modular stand can be mounted horizontally or vertically 1/4" steel plate 5" x 7" with 2 1/2" square tubing. .188" wall thickness. Plate is slotted to accept two U-bolts. 3/8" diameter galvanized U-bolts, nuts and washers are supplied with each or mounting.

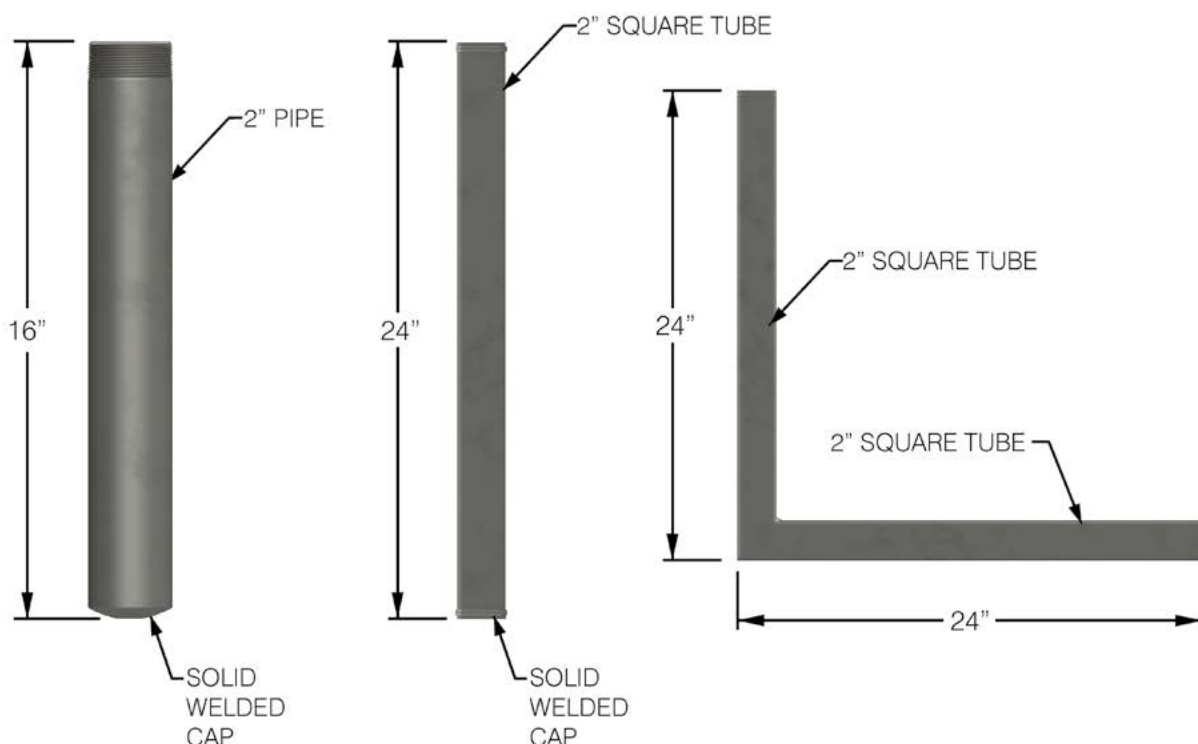
Material:

Carbon steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

Round Threaded Leg Ext., Square Leg & Elbow Module



TLIS2RL16 * *

General Specifications:

Round Threaded Leg Extension

- 2" pipe, threaded on one end, 16" long. For use with primary modular instrument stand.
- Fully galvanized inside and outside.
- Solid welded cap provided as a standard.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

** Select appropriate suffix for material finishes: **TLIS-2-___-AL**

AL: Aluminum

SS: 304 Stainless Steel

TLIS2SL24 * *

General Specifications:

Square Leg Module

- 2" square leg tubing 24" long, for use with primary modular instrument stand. Wall thickness .188" carbon steel.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

HDG: Hot-Dipped Galvanized, ASTM A-123

Note: Contact factory for additional finishes.

TLIS2SE24 * *

General Specifications:

Square Elbow Module

- 2" square leg tubing "L" shaped, each leg 24" long. For use with primary modular instrument stand. Wall thickness .188" carbon steel.
- Solid welded cap provided as a standard.

Coating:

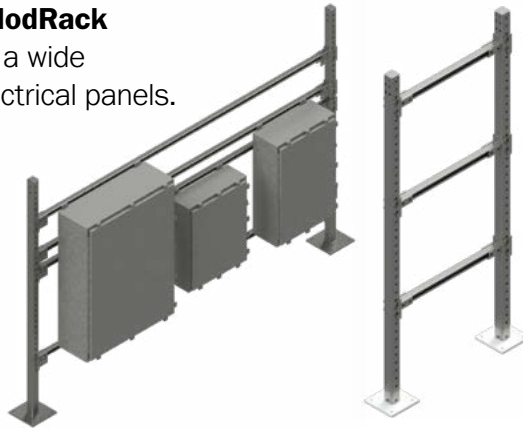
Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating, available upon request.

Medium-Duty ModRack

ModRack is an innovative medium-duty modular support rack that saves time. This off-the-shelf product can be configured as needed using the stanchions, receivers and strut material.

TechLine Mfg.'s ModRack

can accommodate a wide arrangement of electrical panels.



Adjustable Receivers

accommodate single or double strut (not provided).



Ordering Instructions

Using the information below, create the part number needed.

Example: TLMMR - S - 2 - GV - 0 - NR

Basic Part – Two 84" Stanchions

TechLine Mfg. Medium-Duty ModRack (TLMMR)

Receiver Type

Single Sided (S)
Double Sided (D)

Number of Receiver Sets*

SS hardware and 2 SS ½" spring nuts included.

Material Finish

Galvanized (GV) Standard
Aluminum (AL)
304 Stainless Steel (4SS)
316 Stainless Steel (6SS)

Cross Support Width**

In inches, only if ordering cross supports.
Otherwise, 0

Roof Type

No Roof (Standard) (NR)
Double (DR)
Single-Sided (SR)

Contact us today to find out how ModRack can provide solutions for you in the field.

*Order 1 set for each crossbar needed

**Rack usable width

See page 118 for spring nuts if additional hardware is needed.

Note: Direct burial options are available. Provide length needed and add D.B. to end of part number.

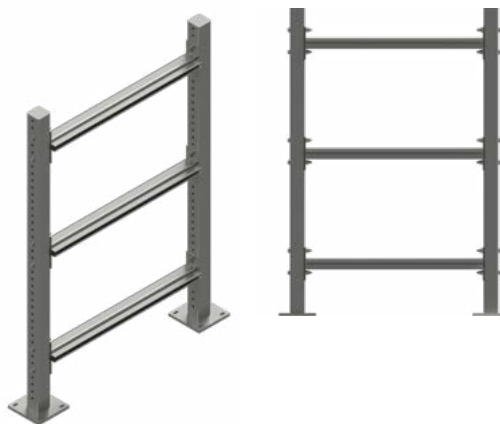
Instrument Racks

Heavy-Duty ModRack

ModRack is an innovative heavy-duty modular support rack that saves time. This off-the-shelf product can be configured as needed and has welded supports with cross arms.

TechLine Mfg.'s ModRack

can accommodate a wide arrangement of electrical panels.



Ordering Instructions

Using the information below, create the part number needed.

Example: TLHMR - S - 2 - GV - 48 - NR

Basic Part – Two 84” Stanchions
TechLine Mfg. Heavy-Duty
ModRack (TLHMR)

Cross Arm Type
Single Sided (S)
Double Sided (D)

Number of Cross Arms
SS mounting hardware included.

Material Finish
Galvanized (GV) Standard
Aluminum (AL)
304 Stainless Steel (4SS)
316 Stainless Steel (6SS)

Cross Support Width*
In inches

Roof Type
No Roof (Standard) (NR)
Double (DR)
Single-Sided (SR)

**Contact us today to find out
how ModRack can provide
solutions for you in the field.**

48” and 72” are standard
crossbar lengths.
Custom sizes available.

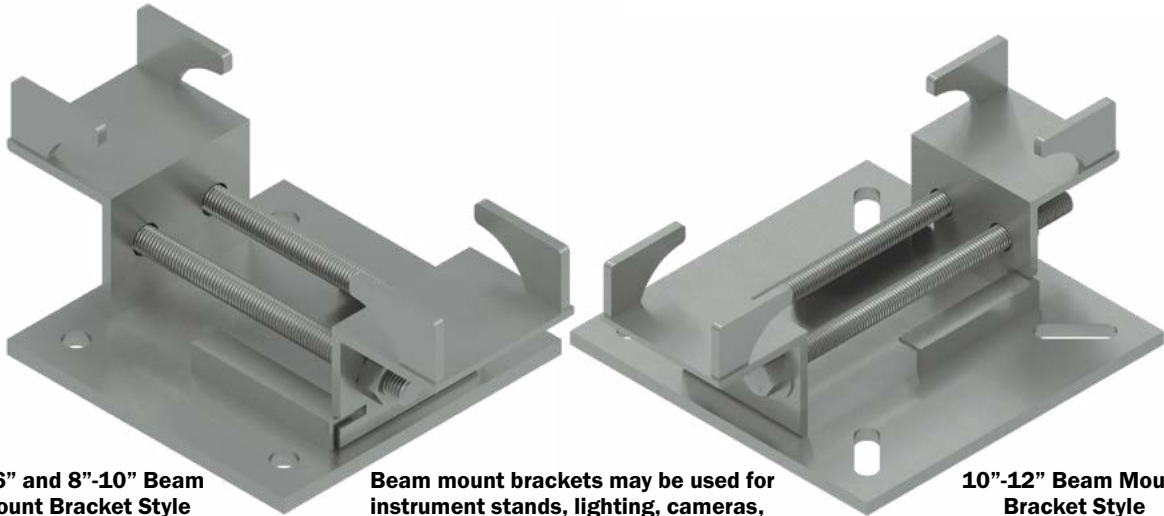
*Rack usable width

See page 118 for spring nuts if additional hardware is needed.

Note: Direct Burial options are available. Provide length needed and add D.B. to end of part number.

Instrument Stands and Racks

Beam Mount Bracket



Beam Mount

Example: TLIS - BM - GV - 4-6 / 8-10 / 10-12 - LG - HARDWARE

Basic Part:

TechLine Mfg. Instrument Stand

Type of Mount: (BM) Beam Mount**Material Finish:**

Galvanized (GV)
Aluminum (AL)
304SS (4SS)
316SS (6SS)

Width of Beam:

Specify length in inches

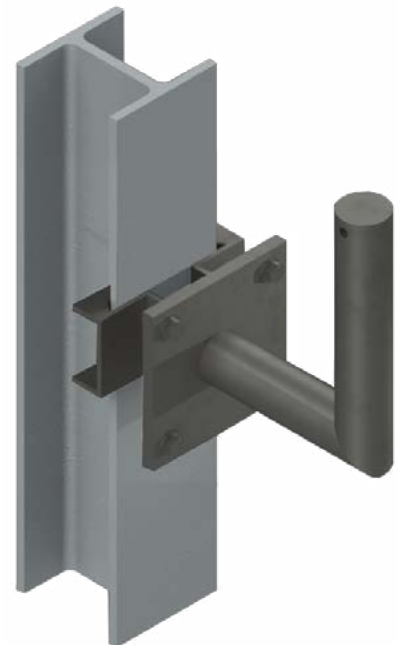
Flange Thickness over .51":

Large (LG)

Appropriate hardware Included with all Beam Mount Brackets.**Bracket Load Rating:**

Galvanized Steel - 250 LBS

Aluminum - 125 LBS

**General Specifications:**

- Beam mount for standard 8"x8" instrument stand base plate.
- 3 Sizes to choose from. 4-6 works for beams from 4"-6" in width, 8-10 works for beams from 8"-10" in width, and the 10-12 works for beams from 10"-12".
- Beam Mount Brackets fit common wide flange beams with flange thickness up to 1/2". Specify "LG" for the larger beam flange sizes.

Material:

Galvanized carbon steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

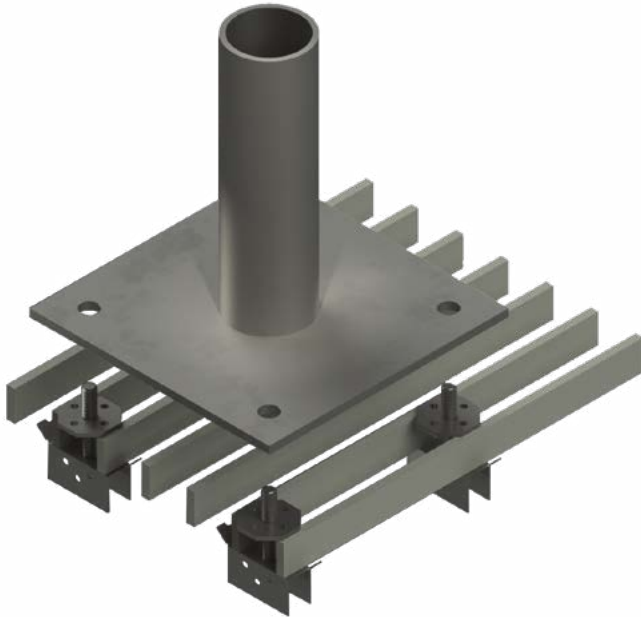
Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, such as painting and powder coating available upon request.

*Custom mounting holes are available upon request. Consult factory.

Instrument Stands and Racks

Grating Fasteners



Model GF is used to fasten lightweight devices to 19-space bar grating. The GF fastener is designed to be used instead of J-Bolts. Model GF will withstand 1000 pounds of direct upward pull force. Available in Galvanized Carbon Steel and 316 Stainless Steel.

Tools Required: The Model GF can be installed using a spanner wrench or tongue-and-groove pliers.



Model GF
This grating fastener is used to mount instrument stands as well as other devices onto existing grating surfaces. Model GF does not fasten grating to structural steel supports.

Model GF Grating Fasteners

GF3-SS	3" Stud	316SS
GF5-SS	5" Stud	316SS
GF3-GV	3" Stud	Hot-Dipped Galvanized
GF5-GV	5" Stud	Hot-Dipped Galvanized

J-bolts and Wedge Anchors
available upon request.



Floor Stand Adapter (FSA)



Example: TLIS2 - FSA - GV

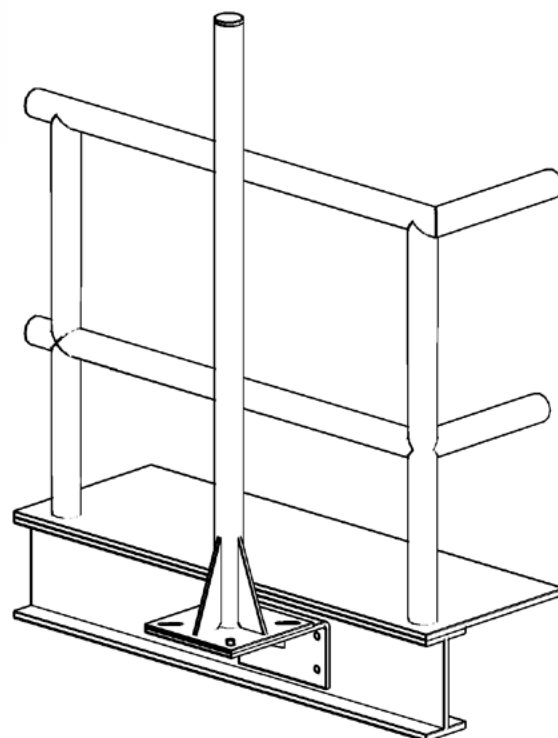
Basic Part:

TechLine Mfg. Instrument Stand

Type of Mount: Floor Stand Adapter

Material Finish:

Galvanized (GV)
304SS (4SS)
316SS (6SS)



General Specifications:

- The TechLine Mfg. Floor Stand Adapter allows mounting of standard stock floor mount instrument stands to a platform or other structure where concrete or grating mount is not available
- The Floor Stand Adapter accommodates standard 8" and 10" base plates with its slotted hole design. Custom mounting holes available upon request. Consult factory

Material:

Galvanized Carbon Steel is standard. Aluminum, 304SS, and 316SS materials available upon request.

Coating:

Hot-Dipped Galvanized (meeting ASTM A 123-89 specification) is our standard coating. Optional coatings, painting and powder coating available upon request.