GP SPIRA ROOF TOP SUPPORT SYSTEMS
FOR
HVAC APPILICATION

An ISO 9001-2000 Company

GP SPIRA
DUCT PVT. LTD.

E-mail: info@gpspira.com

Contents

Si. No,	Description	Page No.
I	H-Frame Kit	01 -0 2
II	Ground Support Rubber Foot	03 - 04
III	Modular Frames	
	- A.Standard Frame	05 - 06
	- B. Multiple Frame	07 - 08
IV	Heavy –twin Foot Frames	09 - 10
V	Heavy –quad Foot Frames	11 - 12
VI	Heavy –modular Frames	13 - 14
VII	Heavy –custom Frames	15 - 16
VIII	Plant Deck Frames	17 - 18
IX	Safe Access	
	- step - Over & Hop-over	19 - 20
X	Pipe Clamp	21

I. H-Frame Kit:

Application:

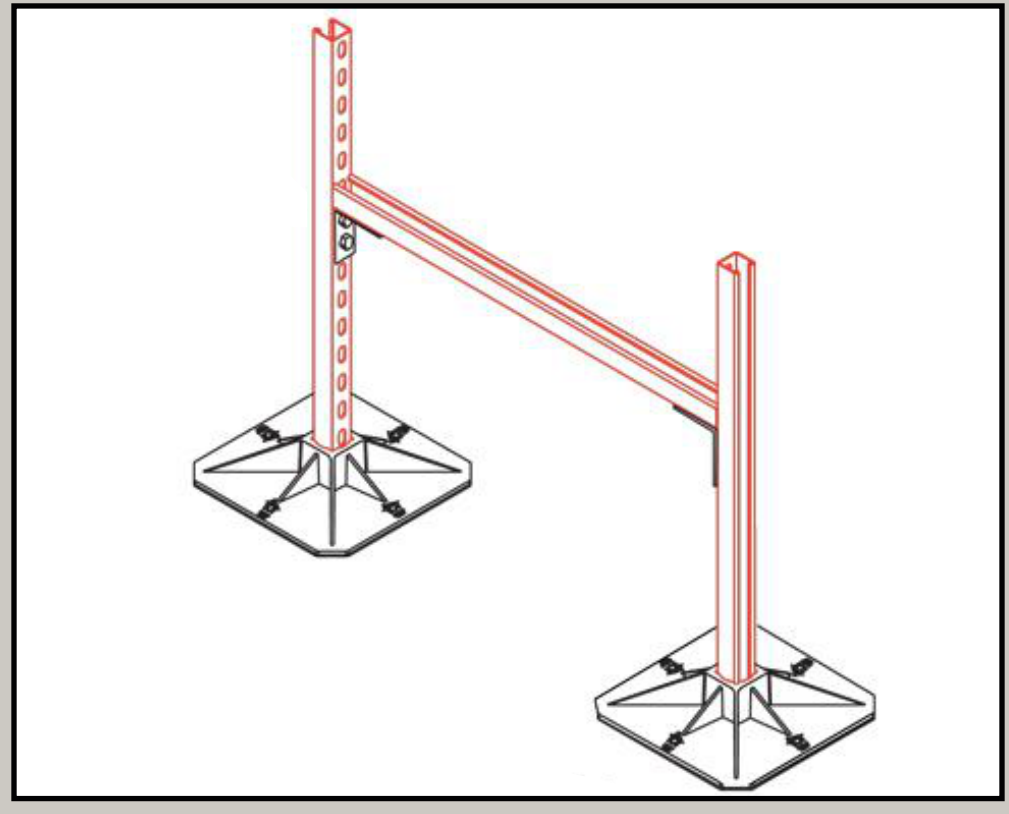
Suitable for installation of duct work including associated sound attenuators.
Small to medium sized pipe works .
Electrical containment(cable trays or cable ladders)

Features & Benefits:

Non-penetrative support.
Flexible design to accommodate late design changes.
Fast and simple installation.
Hot dip galvanized frame work
Rubber mates adhered to feet for additional roof protection.
The kit comes in a box for convenience.
Available as standard 305 mm square foot or 500 mm option for heavy duty application.

Material Specification:

1.Foot -305 & 500 mm Square, UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump.
3.Fixing-M-10 Washers and spring nuts.
4.Strut (Frame) and Angle brackets-Mild steel ,hot dip galvanized BS EN ISO 1461:2009



Si. No.	Description	Part no.	Foot size(mm)	Weight(kg)	Max Load(kg)
1.	305 mm	GP-HF 305	305	3.65	300
2.	500 mm	GP-HF 500	500	15.0	500

Kit includes:

Foot: 2 Nos.
Rubber mat: 2 Nos.
strut inserts: 2 Nos.
Brackets & Fixings:2 Nos.
Assembly instructions: 1 No.

Typical Installation:

II. GROUND SUPPORT RUBBER FOOT

Application:

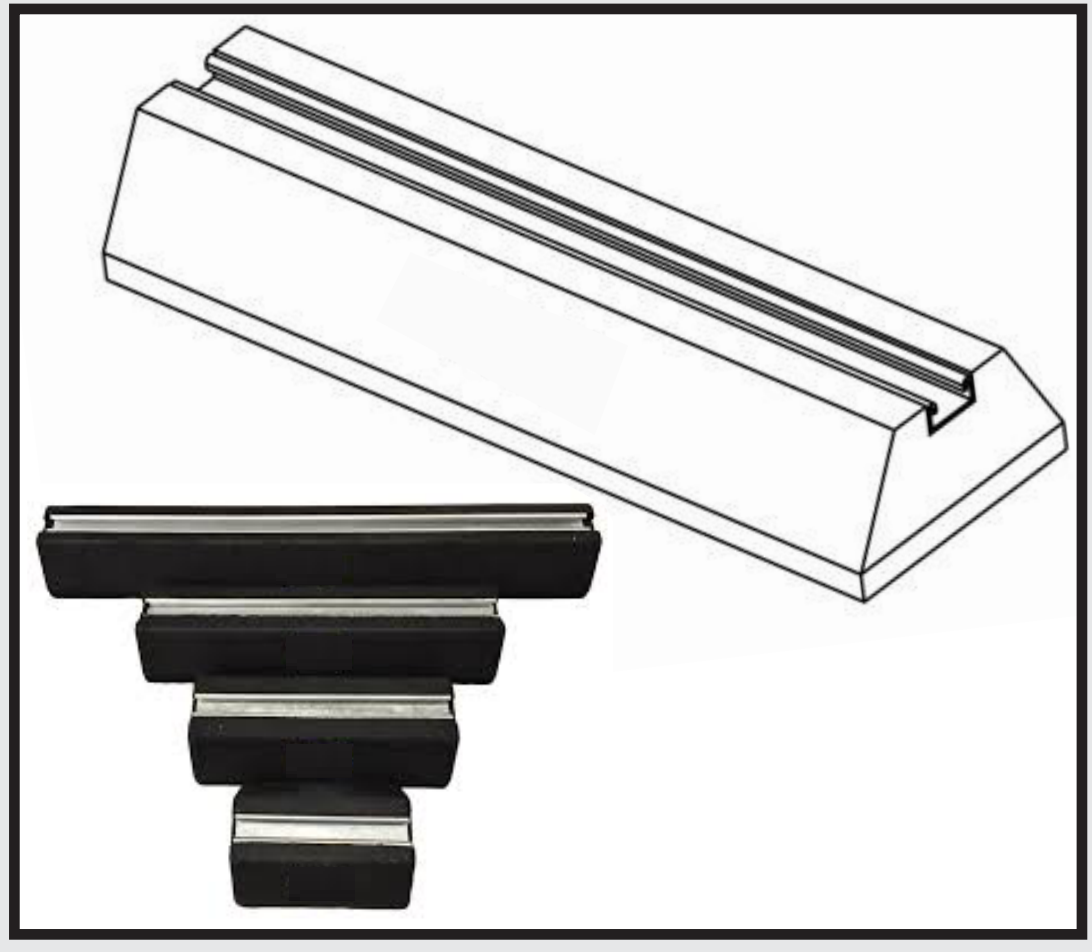
Suitable for supporting of Pipe work systems, Duct works, Cable trays for electrical containment and outdoor units.

Features & Benefits:

Non-penetrative support.
Flexible design to accommodate late design changes.
Fast and simple installation.
Supplied with integrated GI 21x41 mm steel strut, fully bonded to the foot, stronger than aluminum alternatives.
Drainage slots to underside.

Material Specification

1.Foot –SBR recycled rubber BS 7188:1989+A2:2009 and BS EN 1176-7:2008,UV Stabilized.
2.Strut: 41x41x2,5 steel strut galvanized Channel.
3.Channel compatible with industry standard fixings and fixtures.
4.Suitabe for internal and external enviroments in temperature between -40°C to 80°C.



Si. No.	Description	Part No.	Length(mm)	Width(mm)	Height(mm)	load(kg)	weight(kg)
1	Rubber Foot -250 mm	GP-RF 250-L	250	180	100	175	2.8
2.	Rubber Foot -400 mm	GP-RF 400-L	400	180	100	280	4.6
3.	Rubber Foot -500 mm	GP-RF 500-L	500	180	100	350	5.7
4.	Rubber Foot -600 mm	GP-RF 600-L	600	180	100	420	7.6

Si. No.	Description	Part No	Length(mm)	Width(mm)	Height(mm)	load(kg)	weight(kg)
1	Rubber Foot -250 mm	GP-RF 250-S	250	180	50	100	1.4
2.	Rubber Foot -400 mm	GP-RF 400-S	400	180	50	150	2.3

Typical Installation:

III. Modular Frames

A.Standard Frame:

Application:

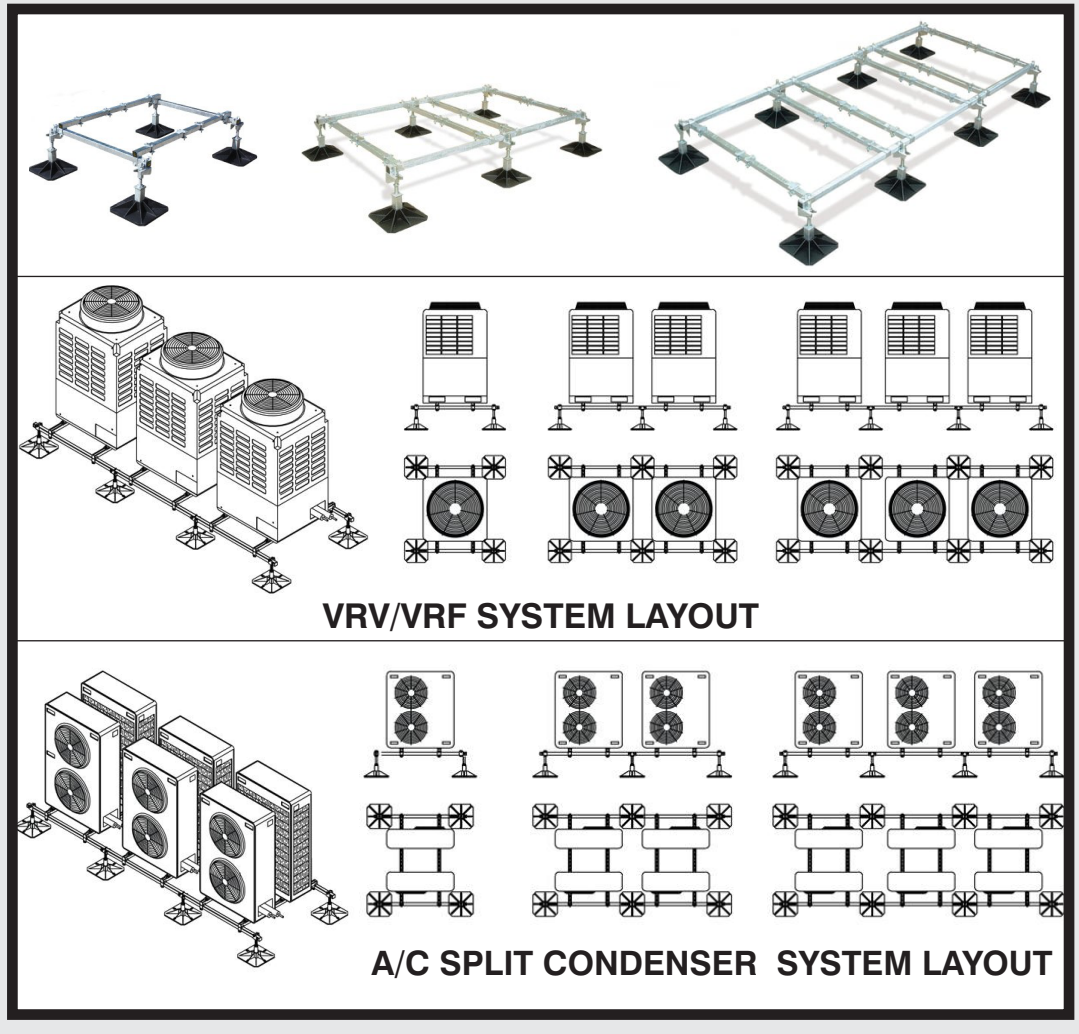
Suitable for VRV/VRF,A/C Split Systems, Smaller Air Handling Units(AHU'S)

Features & Benefits:

Non-penetrative support.
Flexible design to accommodate late design changes.
Fast and simple installation.
Hot dip galvanized frame work
Rubber mates adhered to feet for additional roof protection.
The kit comes in a box for convenience.
Available as standard 305 mm square foot or 500 mm option for heavy duty application.

Material Specification:

1.Foot -305 Square as standard or 500 mm Square for heavy duty application, UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump(mat adhered to the foot).
3.Legs-50 mm square tube with M24 stud adjuster and 3 mm thick U-Clevis to stop .
4.End bars-41x41x2.5 mm box section
5.Cross bars- 41x41x2.5 mm box section
6.Finish- -Hot dip galvanized BS EN ISO 1461:2009



Si.No.	Description	Part no.	Length(mm)	Width(mm)	Height(mm)	Weight(kg)	Max Load
1.	1m x 1.2 m	GP-MFS/1x1.2	1000	1200	290-400	39	500
2.	2m x 1.2 m	GP-MFS/2x1.2	2000	1200	290-400	67	1000
3.	3m x 1.2 m	GP-MFS/3x1.2	3000	1200	290-400	97	1500
4.	1m x 1.5 m	GP-MFS/1x1.5	1000	1500	290-400	42	400
5.	2m x 1.5 m	GP-MFS/2x1.5	2000	1500	290-400	72	800
6.	3m x 1.5 m	GP-MFS/3x1.5	3000	1500	290-400	103	1200

Typical Installation:

B. Multiple Frame:

Application:

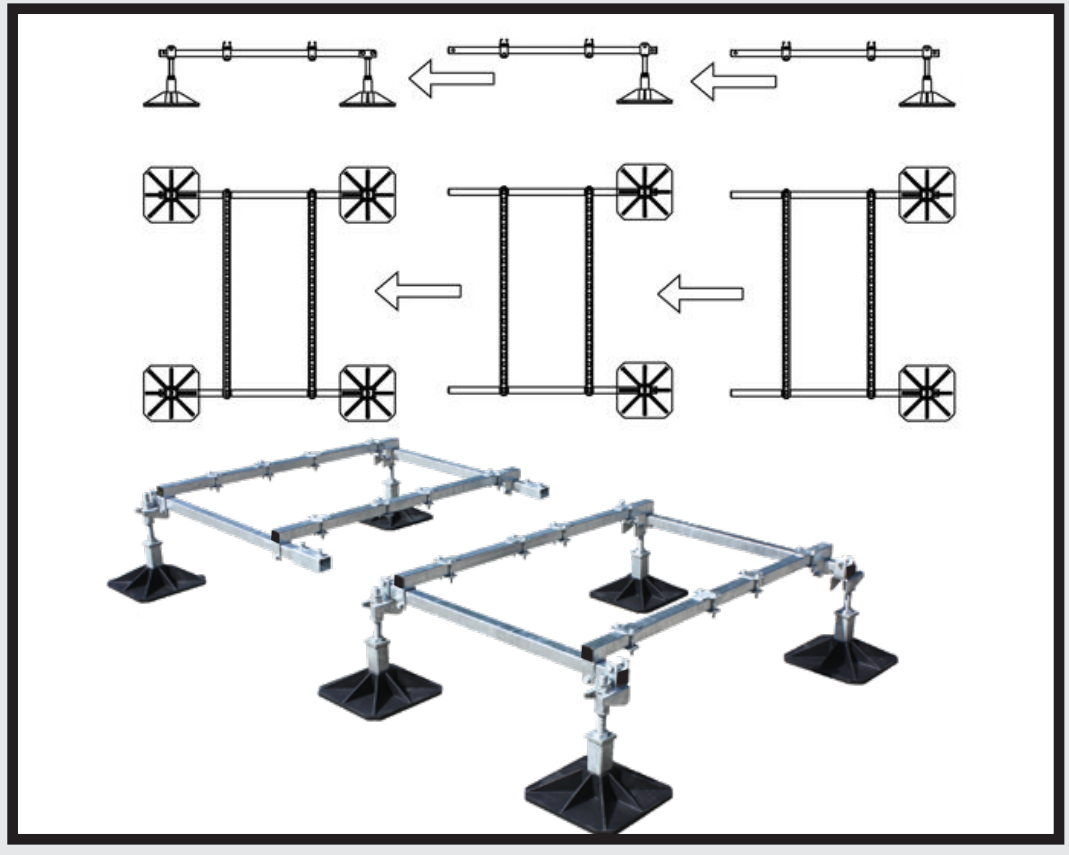
Smaller Air Handling Units(AHU'S)

Features & Benefits:

Non-penetrative support.
Flexible design to accommodate late design changes.
Fast and simple installation.
Hot dip galvanized frame work
Rubber mates adhered to feet for additional roof protection.
The kit comes in a box for convenience.
Available as standard 305 mm square foot or 500 mm option for heavy duty application.

Material Specification

1.Foot -305 Square as standard or 500 mm Square for heavy duty application,
UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump(mat adhered to the foot).
3.Legs-50 mm square tube with M24 stud adjuster and 3 mm thick U-Clevis to stop .
4.End bars-41x41x2.5 mm box section
5.Cross bars- 41x41x2.5 mm box section
6.Finish- -Hot dip galvanized BS EN ISO 1461:2009



Si. No.	Description	Part no.	Length(mm)	Width(mm)	Height(mm)	Weight(kg)	Max Load
1.	1m x 1.2 m	GP-MFM1	1000	1200	290-400	36	500
2.	2m x 1.2 m	GP-MFE2	1000	1200	290-400	26	500
3.	3m x 1.2 m	GP-MFE3	1000	1200	290-400	26	500

Typical Installation:

IV.HEAVY –TWIN FOOT FRAMES

Application:

Suitable for large pipes, Air handling units, Chillers and packaged plant rooms.

Features & Benefits:

Non-penetrative support.
Flexible design to accommodate late design changes.
Fast and simple installation.
Hot dip galvanized frame work
Fully adjustable to roof falls
Rubber mates adhered to feet for additional roof protection.
The kit comes in a box for convenience.
Available as standard 305 mm square foot or 500 mm option for heavy duty application.

Material Specification

1.Foot -305 Square as standard or 500 mm Square for heavy duty application,
UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump(mat adhered to the foot).
3.Legs-50 mm square tube with M24 stud adjuster and 3 mm thick U-Clevis to stop .
4.Cross bars- 50x50x5 mm box section.
6.Finish- -Hot dip galvanized BS EN ISO 1461:2009

Si. No.	Description	Part no.	Length(mm)	Width(mm)	Height(mm)	Weight(kg)	Max Load
1.	360X305	GP-HTF/360x305	1066	310	300-360	16	500
2.	560X305	GP-HTF/560x305	1066	310	300-560	18	500
3.	360X500	GP-HTF/360x500	1300	510	300-360	30	1200
4.	560X500	GP-HTF/560x500	1300	510	300-560	32	1200
Mounting plate			250	150		3	

Typical Installation:

V. HEAVY –QUAD FOOT FRAMES

Application:

Suitable for large Air handling units, Chillers and Packaged plant rooms.

Features & Benefits:

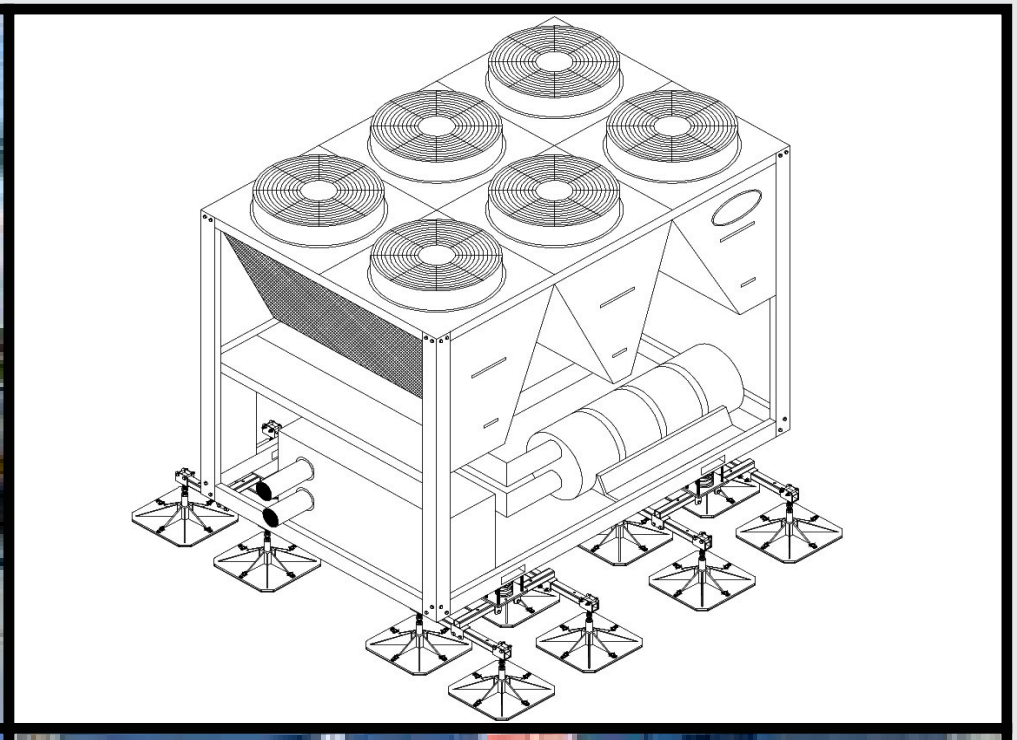
Non-penetrative support.
Flexible design to accommodate late design changes.
Fast and simple installation.
Hot dip galvanized frame work
Fully adjustable to roof falls.
Rubber mates adhered to feet for additional roof protection.
The kit comes in a box for convenience.
Available as standard 305 mm square foot or 500 mm option for heavy duty application.

Material Specification

1.Foot -305 Square as standard or 500 mm Square for heavy duty application,
UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump(mat adhered to the foot).
3.Legs-50 mm square tube with M24 stud adjuster and 3 mm thick U-Clevis to stop .
4.Cross bars- 50x50x5 mm box section.
6.Finish- -Hot dip galvanized BS EN ISO 1461:2009

Si. No.	Description	Part no.	Length(mm)	Width(mm)	Height(mm)	Weight(kg)	Max Load
1.	360X305	GPHQ- 360/305	1066	939	350-410	38	1000
2.	560X305	GPHQ- 560/305	1066	939	350-610	42	1000
3.	800X305	GPHQ- 800/305	1066	939	800-860	48	1000
4.	360X500	GPHQ- 360/500	1378	1291	350-410	63	2500
5.	560X500	GPHQ- 560/500	1378	1291	350-610	66	2500
6.	800X500	GPHQ- 800/500	1378	1291	800-860	74	2500
	Mounting plate		250	150		3	

Typical Installation:



VI. HEAVY –MODULAR FRAMES:

Application:

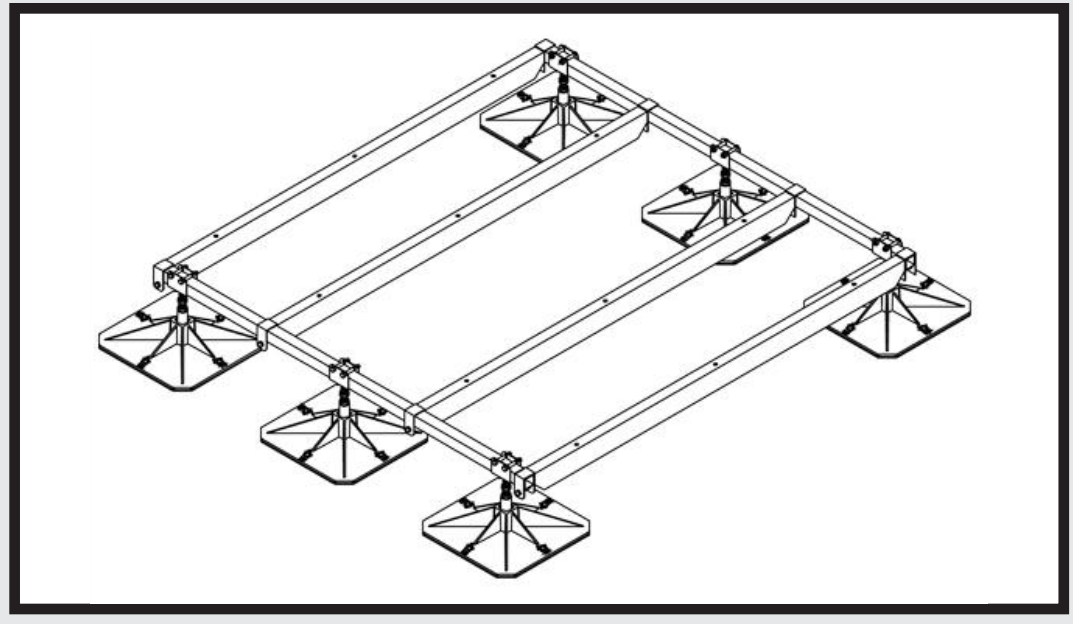
Suitable for heavier blinding services typically large Air handling units, Chillers and Air cooled condensers .

Features & Benefits:

Non-penetrative support.
Flexible design to accommodate late design changes.
Fast and simple installation.
Hot dip galvanized frame work
Cross bars supplied with holes for second fix strut(by others)
Rubber mates adhered to feet for additional roof protection.
Available as standard 305 mm square foot or 500 mm option for heavy duty application.

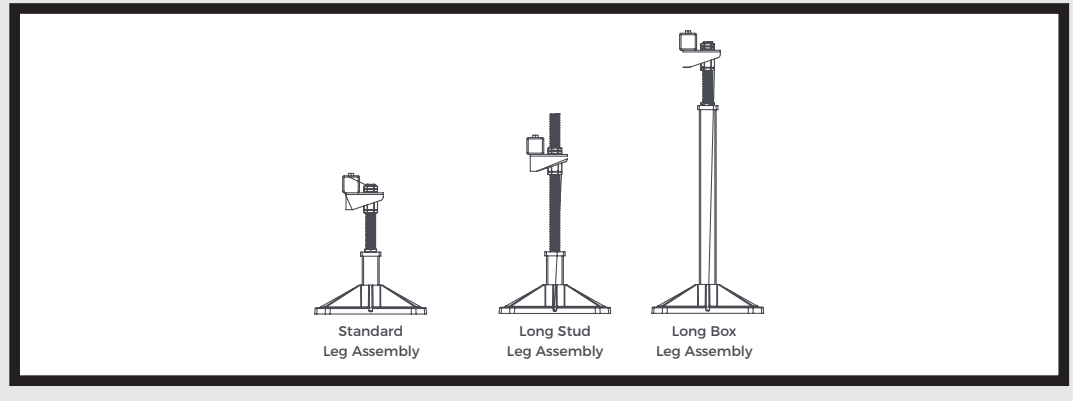
Material Specification

1.Foot -305 Square as standard or 500 mm Square for heavy duty application,
UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump(mat adhered to the foot).
3.Legs-50 mm square tube with M24 stud adjuster and 3 mm thick U-Clevis to stop .
4.End bars-50x50x2.5 mm
5.Cross bars- 50x50x3 mm & 100x50x3 mm box section.
6.Finish- -Hot dip galvanized BS EN ISO 1461:2009



Si. No.	Section	Range of sizes
1.	40x40x2.5 mm	900-1500
2.	50x50x3.0 mm	1500-2100
3.	100x50x3.0 mm	1600-3500

LEG ASSEMBLY OPTIONS:



Description	Height Adjustment(mm)
Standard Leg Assembly	290-400
Long Stud Leg Assembly	290-610
Long Box Leg Assembly	730-825

Typical Installation:

VII.HEAVY –CUSTOM FRAMES

Application:

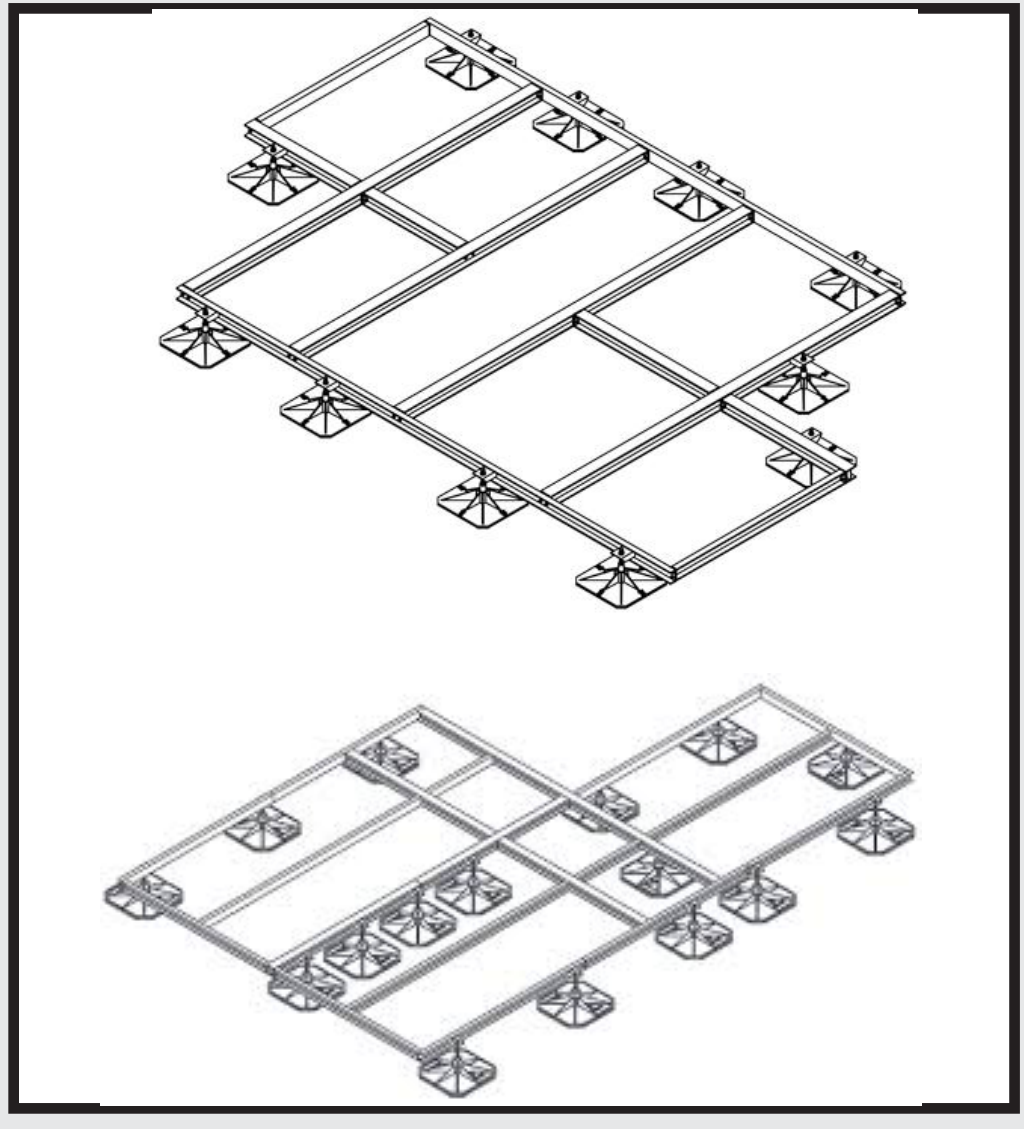
Suitable for Heavy Chillers, Packaged Plant rooms, or Complex shaped building services typicallly Air handling units.

Features & Benefits:

Non-penetrative support.
Flexible design to accommodate late design changes.
Fast and simple installation.
Hot dip galvanized frame work
Fully adjustable to roof falls.
Rubber mates adhered to feet for additional roof protection.
Safe load management design.

Material Specification

1.Foot - 500 x 500 mm Square UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump(mat adhered to the foot).
3.Legs-Custon manufactured to suit most heights and welded to frames. Supplied with M24 adjuster stud for leveling.
4.Frame-depends on load /span5
5..Finish- -Hot dip galvanized BS EN ISO 1461:2009



Si.No.	AHU Requirements	Chiller Requirements	Packaged platform Requirements
1.	Sectional quantity	AVM Quantity & Point Loads	Sectional quantity
2.	Sectional dimensions	AVM Dimensional locations	Sectional dimensions
3.	Sectional weight	Total weight (operating mass)	Total weight (operating mass)
4.	Overall dimensions & weight	Overall dimensions	Overall dimensions

Typical Installation:

VIII. PLANT DECK FRAME

Application:

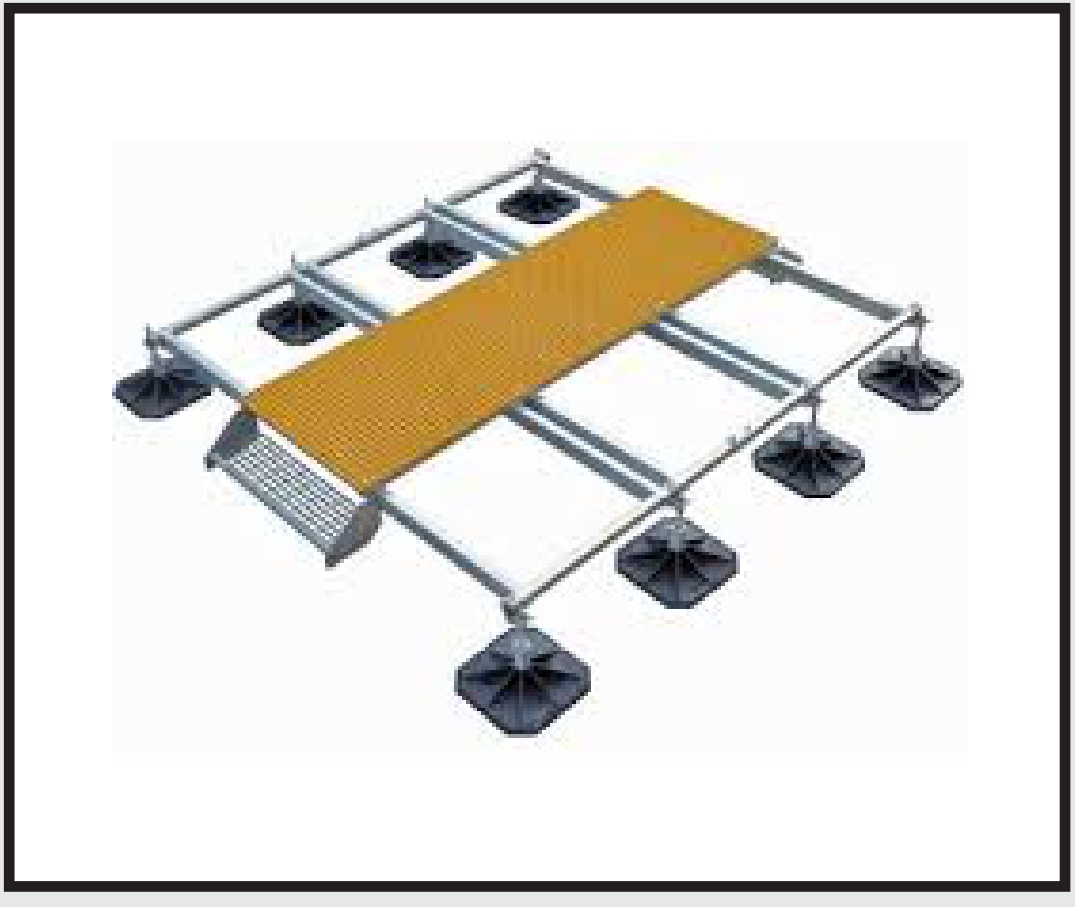
Suitable for multiple VRF/VRV installation with access requirements.

Features & Benefits:

Non-penetrative support.
Fast and simple installation.
Hot dip galvanized frame work
Rubber mates adhered to feet for additional roof protection.
3 standard sizes available from stock
Adjustable leg assemblies ensure that clearance height is met.
Safe non-slip GRP walkway

Material Specification

1.Foot -305 Square UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump(mat adhered to the foot).
3.Legs-50 mm square tube with M24 stud adjuster.
4.Cross bars- 50x50 or 100x50 box section
5.Side bars-40x40 box section
6. walk way- GRP Grating , 25 x 3 mm
7..Finish- -Hot dip galvanized BS EN ISO 1461:2009



Si. No.	Description	Part no.	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Max.Load(kg)
1.	4 Unit	GP-PDF4	2436	3450	380-480	230	1600
2.	6 Unit	GP-PDF6	3436	3450	380-480	329	2400
3.	8 Unit	GP-PDF8	4436	3450	380-480	410	3200

Typical Installation:

IX. SAFE ACCESS -STEP OVER & HOP-OVER

Application:

Suitable for step-over to bridge over ducts, pipes and electrical containment. Custom solutions to access maintenance doors to AHU's, chillers or other roof top services.

Features & Benefits:

Non-penetrative support.
Fast and simple installation.
Hot dip galvanized frame work
Rubber mates adhered to feet for additional roof protection.

Material Specification

1.Foot -305 Square UV Stabilized, Nylon with glass filled.
2.Mat-100% Recycled tyre rubber crump(mat adhered to the foot).
3.Legs-50 mm square tube with M24 stud adjuster.
4.Hand rails- 33.7 mm diameter .
5.Flooring- 25x 3 mm open grid
 6.Finish- -Hot dip galvanized BS EN ISO 1461:2009

Si. No.	Description	Part no.	Step Qty.	Landing size	Clearance	Foot size
1.	STEP OVER 2 up/2 down	GP- SO 2/2	2up/2 down	1000x1000 mm	560 mm	310x310 mm
2.	STEP OVER 3 up/3 down	GP- SO 3/3	3up/3 down	1000x1000 mm	780 mm	310x310 mm
3.	STEP OVER 4 up/4 down	GP- SO 4/4	4up/4 down	1000x1000 mm	1000 mm	310x310 mm

Typical Installation:

X. PIPE CLAMP

Application:

interlocking galvanized collar for pipe mounting on rails.
Small piping encumbrance, allows a quick rapid installation

Material Specification

Galvanized steel with zinc coating of 6 to 9 (microns)

S.No.	Code	Dia.(Inch)	Section (mm)
1.	GPPC-012	1/2	32x1.5
2.	GPPC-034	3/4	32x1.5
3.	GPPC-100	1	32x2.0
4.	GPPC-114	1,1/4	32x2.0
5.	GPPC-112	1,1/2	32x2.0

GP SPIRA DUCT PVT. LTD.

CONTACT US

Our Branches

HYDERABAD (Off& Fac) :

Plot No.D-94,Phase-I,D.A.,
Jeedimetla, Hyderabad-500 055.
Mobile: +91 98480 48301,
+91 99480 34000 ,+91 9948034333
E-mail: info@gpspira.com

DELHI (Off & Fac) :

Khasra No.68/2 (Near world Tech College)
Khera- Khurampur,Hailey Mandi Rd.
Farruk Nagar,Guragaon- 123506.
Mobile:+91 98110 79674, +91 9990049602
E-mail:gdreddy@gpspira.com

CHENNAI (Off & Fac):

9,Chari Street,T Nagar, Chennai-17
Fac:12A Thirukkachuyur&
Sengundram Layout,Singaperumalkoil,
Chengalpattu - 603204
Mobile : +91 99400 88366 ,+91 99400 48622
E-mail:sriram62@gmail.com

BANGALORE (Off & Fac):

Plot no :188 KIADB Industrial Area
Phase-3 MALUR, Kolar
Dist.Karnataka- 563130
Mobile: +91 98480 48301,
+91 99480 34000 ,+91 9948034333
E-mail: info@gpspira.com

MUMBAI (Off):

Mobile:+91 93222 52330
Email : gpspiro@rediffmail.com

KOLKATA (Off & Fac):

Village: Sherpur,P.O.:Panpur
P.S: Amta ,Dist: Howrah,
W.B -711401
Mobile: +91 9885342222, +91 9836180265
Email: vijayabhaskar@gpspira.com
info@gpspira.com