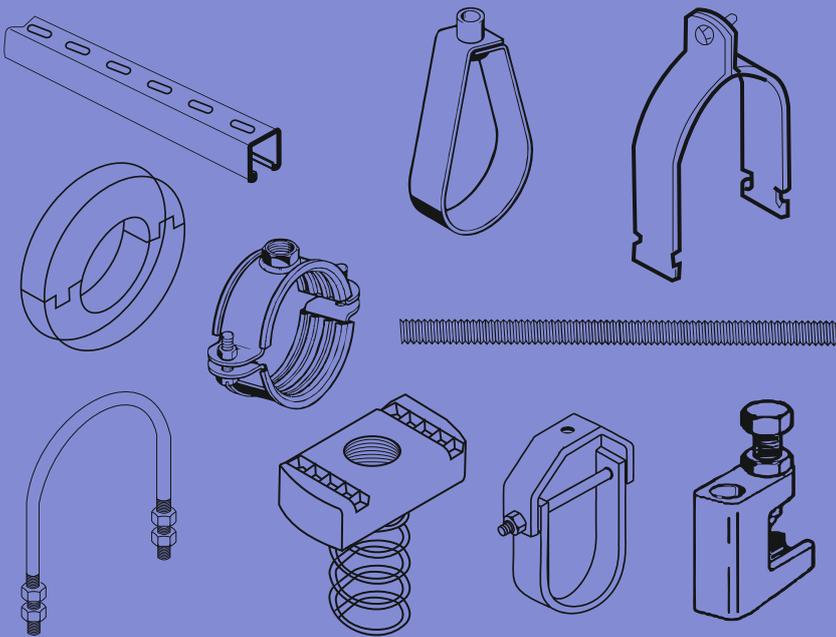




# ***PIPE HANGERS & SUPPORT SYSTEM***



***DELIVERING  
INNOVATIONS***





# ABOUT US

## UL Listed Pipe Hangers & Supports :-

HANGWELL® is the registered trade mark for "Fixes Global PVT LTD". We are Manufacturer and Exporters of "UL Listed" Pipe Hangers and Supports, Slotted Channel & Accessories, Rubber Support Inserts, Anti vibration Systems, Threaded rods and fasteners, Di-Electric Unions since 2010. "Fixes Global Pvt. Ltd" Was initially dealing with exporters and traders. We are doing OEM for many reputed brands. In 2021 we have introduced our own brand in the name of "HANGWELL®". We are now dealing directly with Consultants and Contractors. Our Pipe Hangers are UL certified. We are in process for FM Approvals as well.

"HANGWELL®" supplies complete range of Pipe Support Systems for all type of piping installation. This includes plain or insulated, ferrous and non-ferrous, high or low temperature piping in applications such as HVAC, Oil and gas, Plumbing, Fire Protection, Industrial Process Piping, Water distribution, Sewage Treatment, Power Plants etc. We have a well experienced Technical team for assisting al customer needs such as Product selection, custom design, load calculations and Instructions for installations.

## Quality Assurance and Quality Control.

"HANGWELL®" UL Listed Pipe Hangers and Supports go through quality check at all point start from incoming raw material to final dispatch of products, we have a well-established **ISO 9001:2015** System and we follow it strictly. We have a qualified team of QA and QC engineers to continuously improve our quality. We have SOPs developed for all our products and processes. Our In-house testing facility if fully equipped with testing Equipment's such as:

- 1. UTM (Universal Testing Machine):** For Pull out load testing, tensile load testing and compression load testing.
- 2. Hardness Testing Machine:** For Hardness testing of Raw Material and Finished Products, Tools and Die Molds.
- 3. Spectro Testing Machine:** For Chemical/Spectro testing of Raw Materials.





4. **Torque Wrench:** For Toque testing of Top Nuts of Pipe Hangers.
5. **Elco Meter:** For Coating Thickness measurement.
6. **Verniers and Micrometers:** For Width and Thickness measurements.
7. **Duro Meter:** For Shore (A) Hardness Testing of Rubber Products.





## Product Compliance

All our **Pipe Hangers and support** complies to the below mentioned specifications.

This is to certify that "HANGWELL" catalogued range of **Pipe Supports** meets or exceeds industry set for their design and manufacture.

1. **Design /Product Compliance:** Applicable standards for individual products are indicated in relevant submittal catalogue and consist of the following.

**ANSI/MSS SP-58:** Pipe Hangers and Support – Materials, design, Manufacture Selection, Application and Installation.

**WW-H-171E:** Federal Specification, Pipe Hangers and Supports.

**ASME B31.9:** Building Services Piping.

**NFPA 13:** Standard for Installation of Sprinkler Systems.

**FM 1951:** Pipe Hanger Components for Automatic Sprinkler Systems.

**ANSI UL 203:** Pipe Hanger Equipment for Fire Protection Service.

2. **Raw Material Compliance:** All Carbon Steel used in the manufacture of HANGWELL Pipe Hanger and Supports is either mill certified or NABL lab certified and engineered for cold forming, which enhances structural integrity of the fabricated components. Steel raw material complies with the following standards.

**IS 513 / ASTM A1008:** Standard Specification – Cold Rolled Steel.

**IS 1079 / ASTM A1011:** Standard Specification – Hot Rolled Steel.

**ASTM A653:** Standard Specification – Hot Dipped Zinc Coated Steel.

3. **Elastomer Compliance:** All Elastomer components used in the manufacturing of HANGWELL Pipe support products comply with the following standards.

**ASTM D2240:** Standard Test Method – Rubber Property – Durometer Hardness.

**ASTM D1415:** Standard Test Method – Rubber Property – International Hardness.

**ASTM D395:** Standard Test Method – Rubber Property – Compression Test.





**ASTM D471:** Standard Test Method – Rubber Property – Effects of Liquids.

**ASTM D575:** Standard Test Method – Rubber Properties in Compression.

**ASTM D1349:** Standard Practice – Rubber Standard Conditions for Testing.

4. **Galvanization Compliance:** Where a Galvanic corrosion proof coating is factory applied, the following standards are adhered to.

**ASTM A123:** Standard Specification – Zinc (Hot Dipped Galvanized) Coatings on Iron or Steel Products.

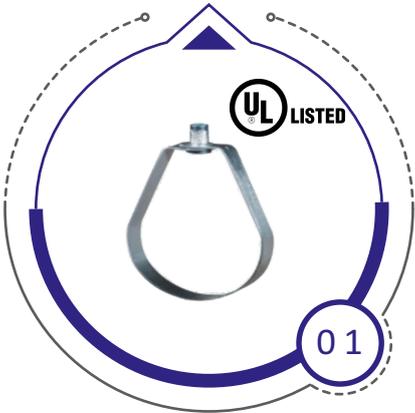
**ASTM B633:** Standard Specification – Electrodeposited Coatings of Zinc on Iron and Steel



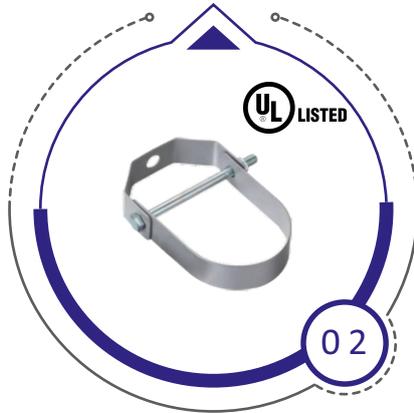


# INDEX

## CLAMPS



UL LISTED SPRINKLER HANGER



UL LISTED CLEVIS HANGER



UL LISTED NUT CLAMP WITH/  
WITHOUT RUBBER



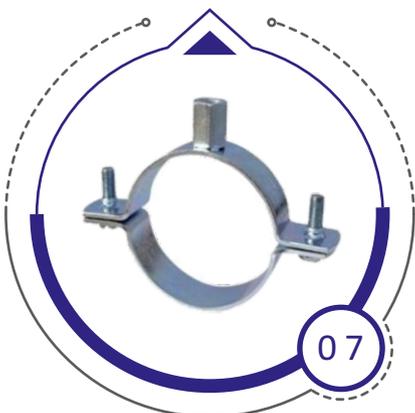
UL LISTED UNIVERSAL BEAM  
CLAMP



UL LISTED BEAM CLAMP



NUT CLAMP WITH RUBBER  
(SPLIT CLAMP WITH RUBBER  
LINING)



NUT CLAMP (PLAIN SPLIT  
CLAMP)



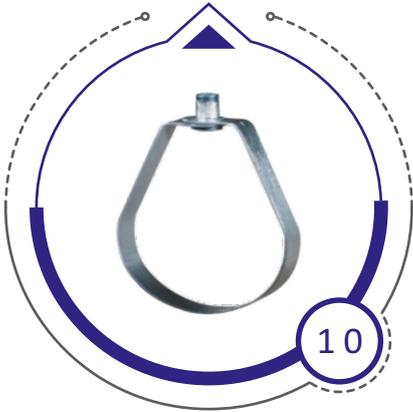
CLEVIS HANGER



CLEVIS HANGER WITH  
RUBBER LINING

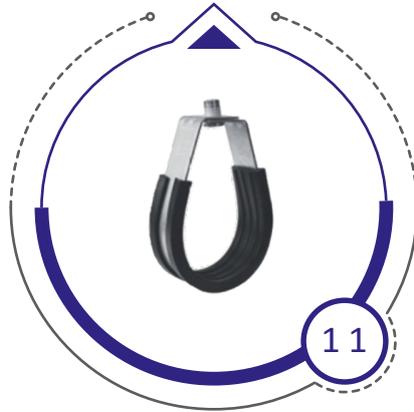
# INDEX

## CLAMPS



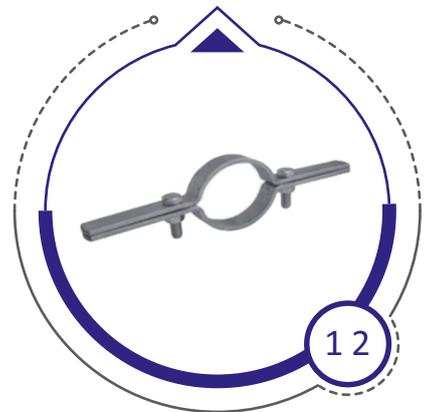
10

SPRINKLER HANGER (LOOP HANGER)



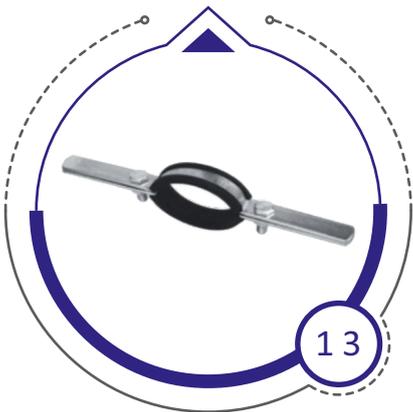
11

SPRINKLER HANGER WITH RUBBER LINING



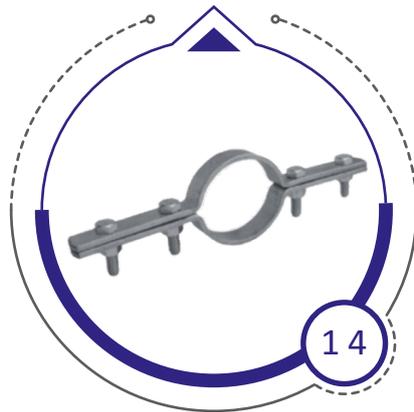
12

RISER HANGER



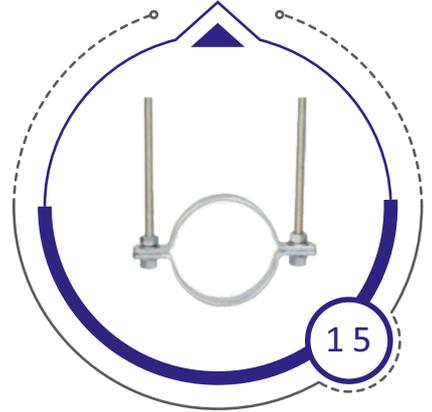
13

RISER HANGER WITH RUBBER LINING



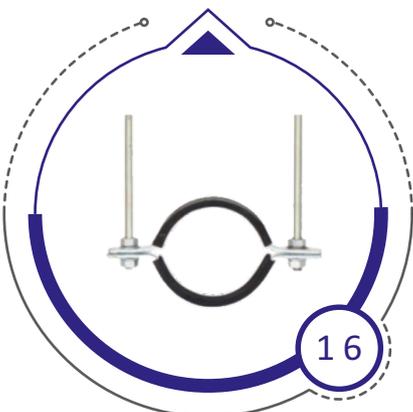
14

FOUR BOLT RISER HANGER



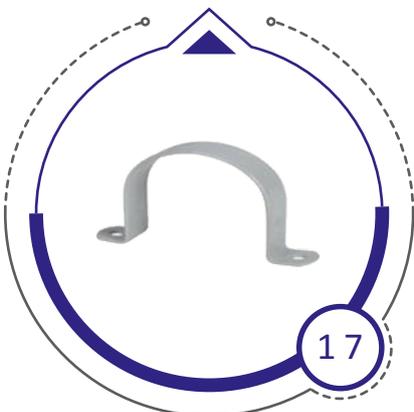
15

TWO BOLT CLAMP



16

TWO BOLT CLAMP WITH RUBBER LINING



17

U STRAP

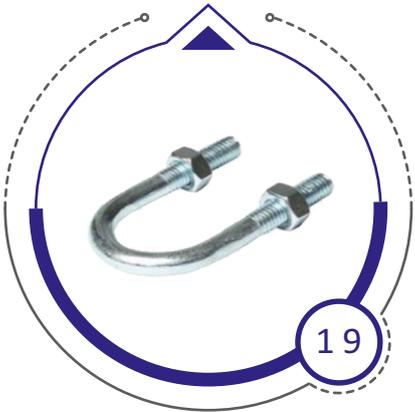


18

U STRAP WITH RUBBER LINING

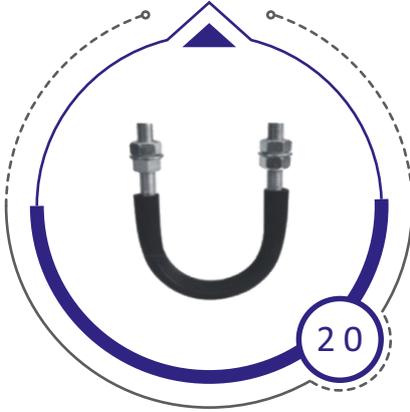
# INDEX

## CLAMPS



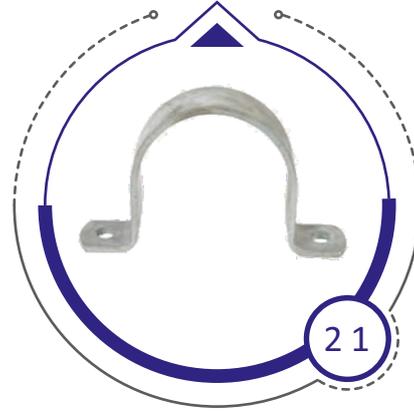
19

U BOLT



20

U BOLT WITH RUBBER LINING



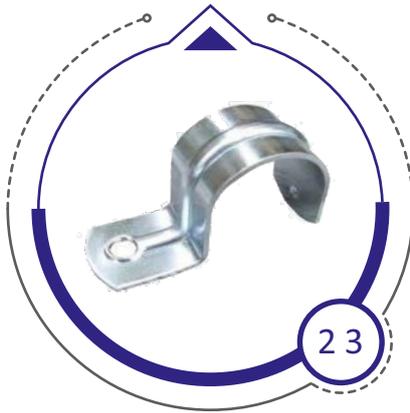
21

HEAVY SADDLE



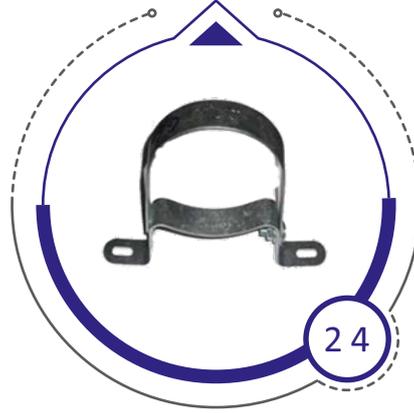
22

LIGHT SADDLE



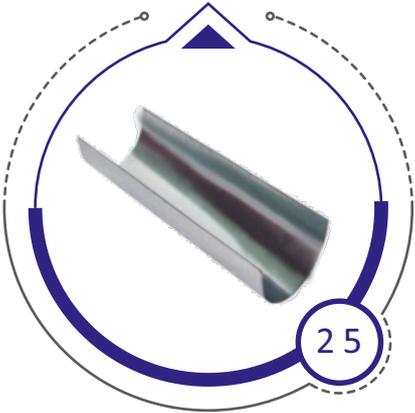
23

HALF SADDLE



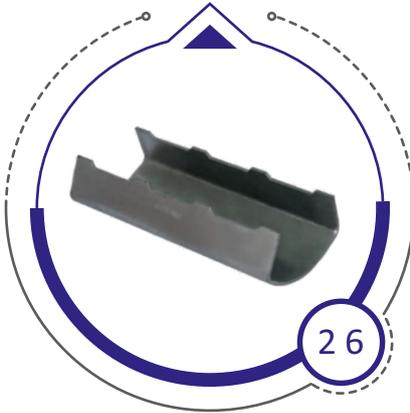
24

OFFSET CLAMP



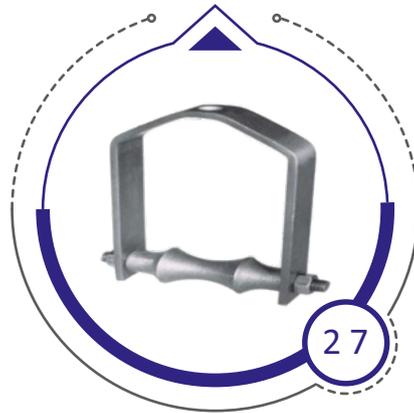
25

PIPE PROTECTION SHIELD



26

PIPE INSULATION SADDLE

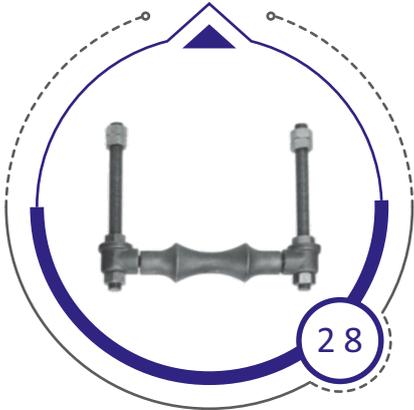


27

ADJUSTABLE ROLLER HANGER

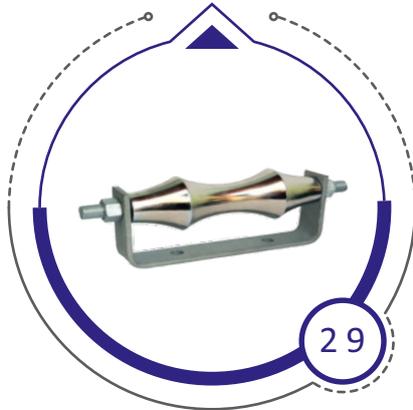
# INDEX

## CLAMPS



28

PIPE ROLLER



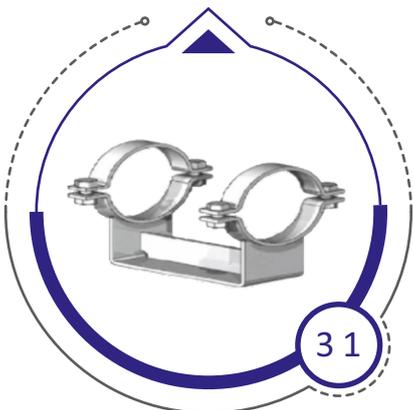
29

ROLLER CHAIR



30

ROLLER STAND



31

SLIDING PIPE  
SUPPORT



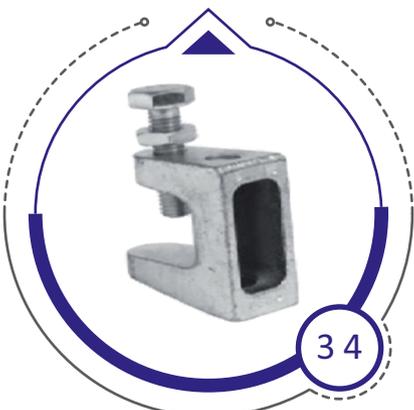
32

RUBBER SUPPORT  
INSERTS FOR GI PIPES



33

U STRAP RSI 25

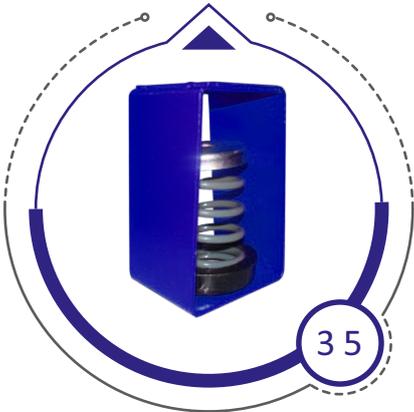


34

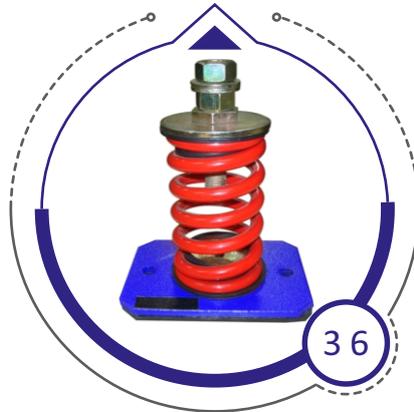
BEAM CLAMP

# INDEX

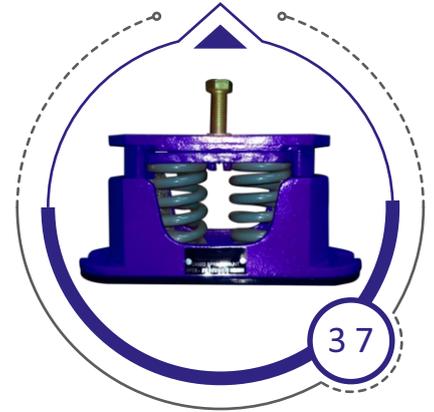
## ANTI-VIBRATION SYSTEMS



SPRING HANGER



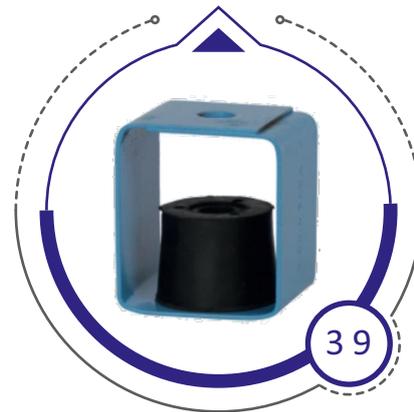
OPEN SPRING MOUNTINGS



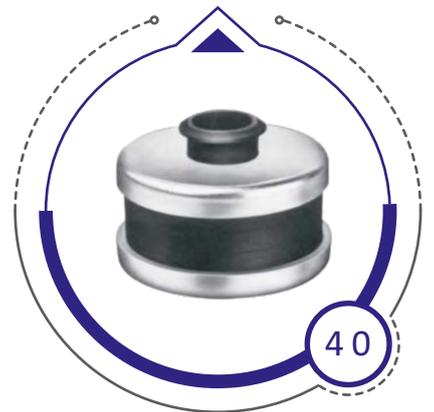
CASED SPRING MOUNT



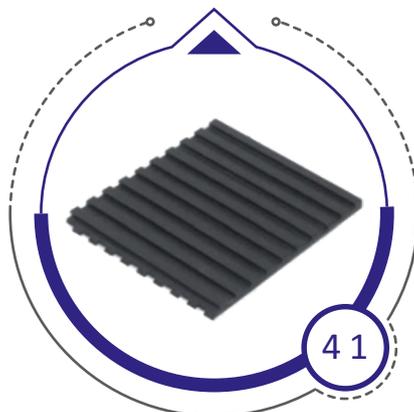
INERTIA BASE



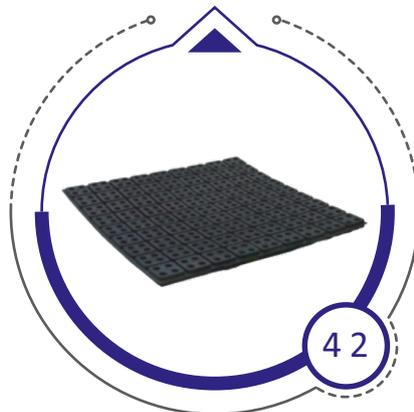
RUBBER HANGER



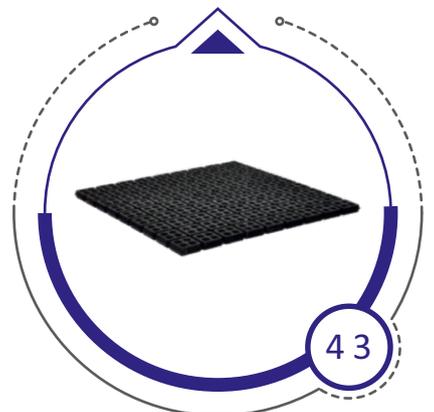
DOCT MOUNT



RIBBED MOUNTING  
PAD



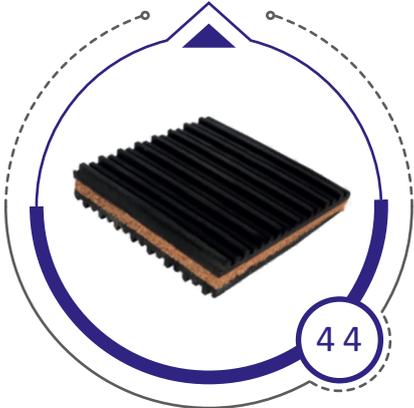
WAFFLE PAD



SQUARE CELL PAD

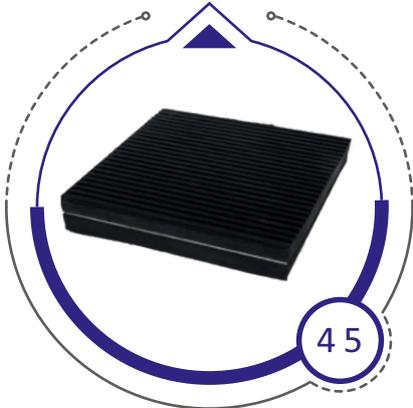
# INDEX

## ANTI-VIBRATION SYSTEMS



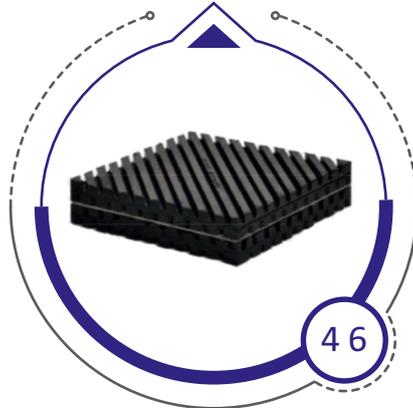
44

CORK SANDWICH PAD



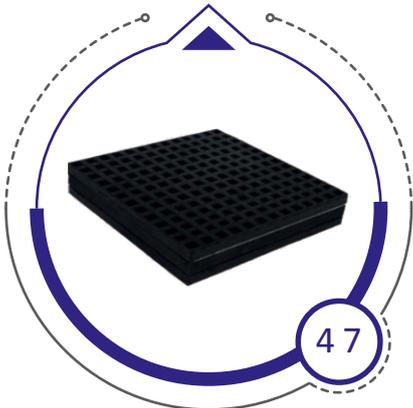
45

METAL SANDWICH PAD



46

RIBBED MULTI LAYER PAD



47

SQUARE CELL MULTI  
LAYER PAD

# INDEX

## EXPANSION JOINTS



SINGLE ARCH FLOATING  
FLANGE EXPANSION JOINT



DOUBLE ARCH FLOATING  
FLANGE EXPANSION JOINT



FLEXIBLE PIPE CONNECTOR-  
TRIANGULAR TYPE



FLEXIBLE PIPE CONNECTOR-  
UNION TYPE

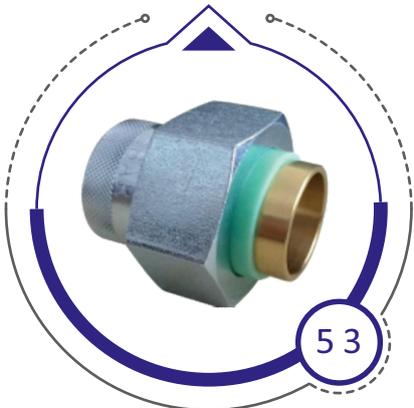
# INDEX

## DIELECTRIC UNION



52

DIELECTRIC UNION-  
MPT X WELD BRASS



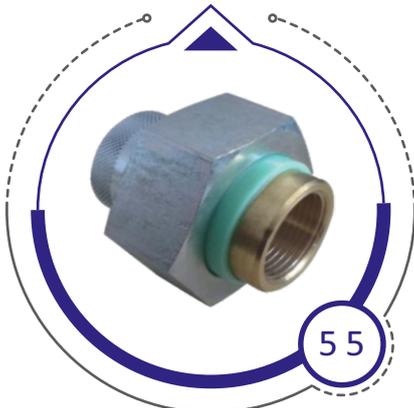
53

DIELECTRIC UNION-  
FPT X WELD BRASS



54

DIELECTRIC UNION-  
FPT X MPT

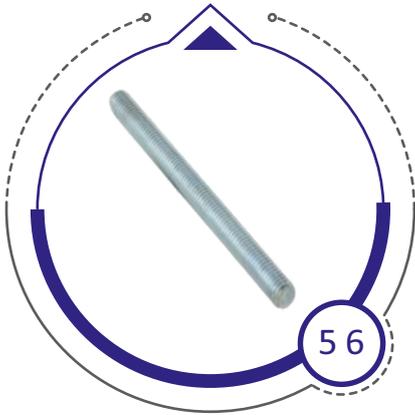


55

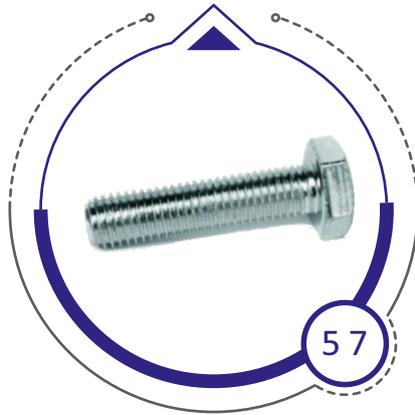
DIELECTRIC UNION-  
FPT X FPT

# INDEX

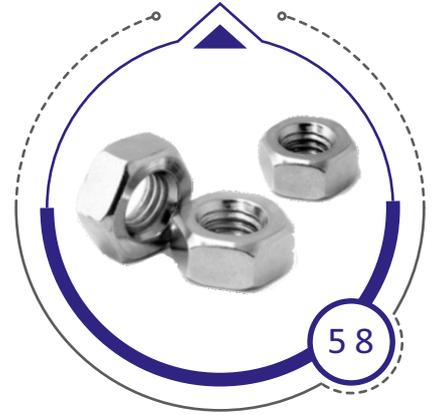
## THREADED ROD & FASTENERS



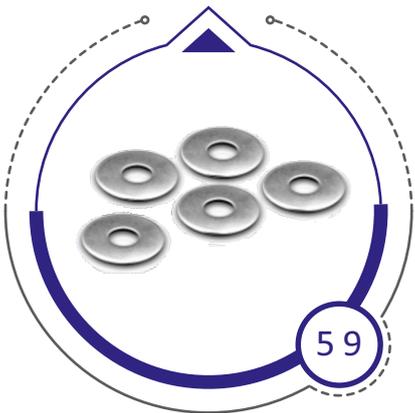
THREADED ROD



HEX BOLT (DIN 933)



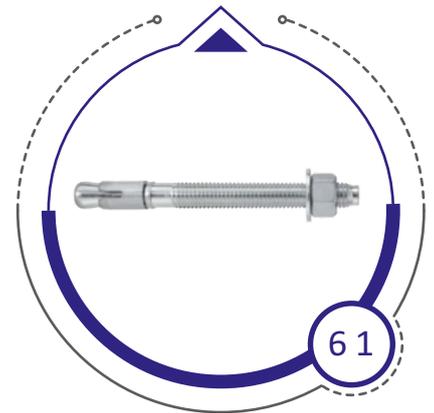
HEX NUT (DIN 934)



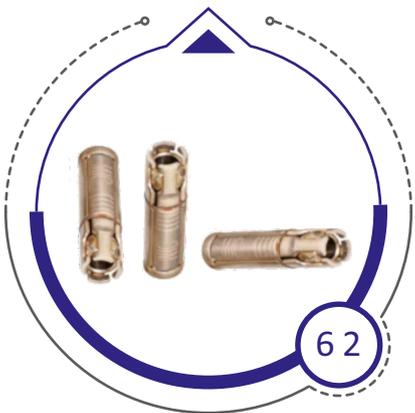
WASHER (DIN 125/A)



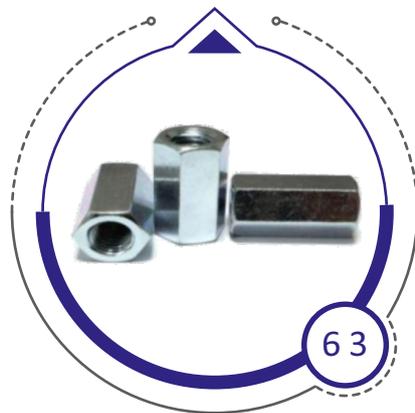
DROP IN ANCHOR



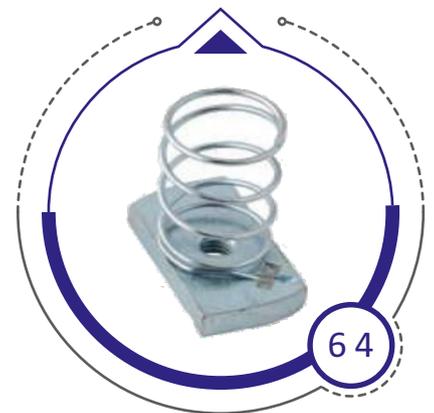
WEDGE ANCHOR



DRAW IN ANCHOR



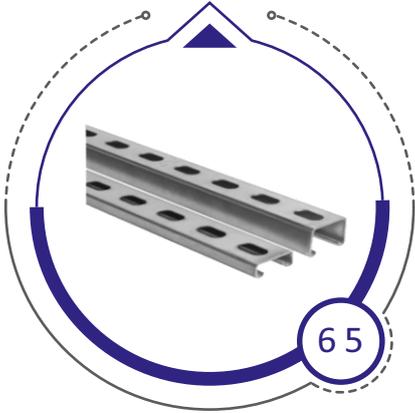
HEX COUPLING NUT



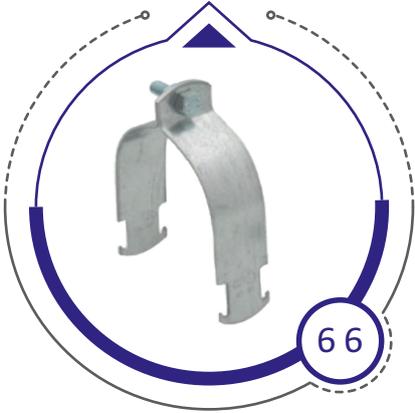
SLIDE NUT/CHANNEL NUT/  
SPRING NUT

# INDEX

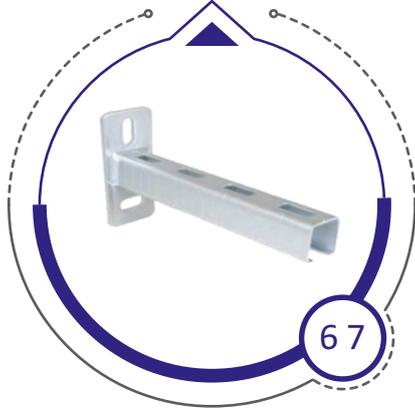
## CHANNEL AND ACCESSORIES



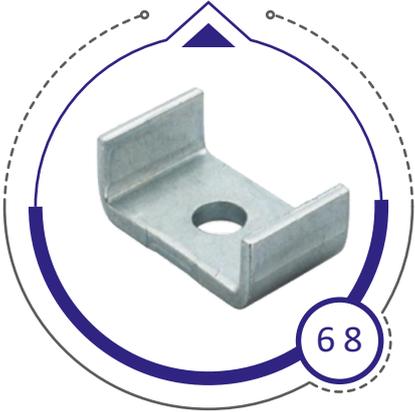
STRUT CHANNEL



STRUT CLAMP



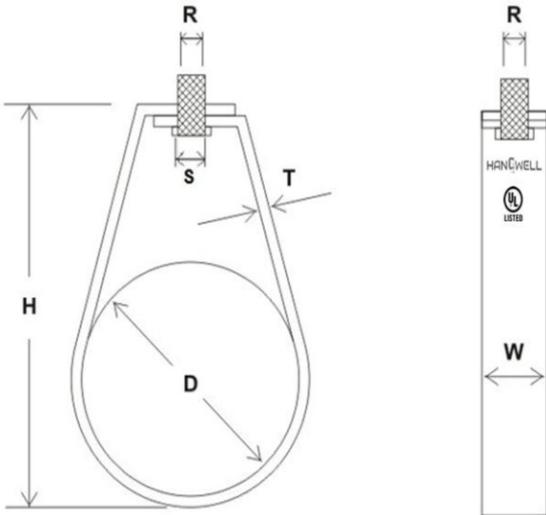
CANTILEVER ARM



C WASHER



## UL LISTED SPRINKLER HANGER



FEATURES AND BENEFITS.	
<b>Coating Specification:</b>	*Minimum 13+ micron Electro-galvanized zinc plating.
<b>Dimensional Tolerance :</b>	*All Dimensions are as per Table LSH-01 unless otherwise specified. *For dimensions not specified: $\pm 3\%$ .
<b>Material Specification:</b>	M.S (Mild steel) IS:513 / IS 1079 / IS 2062 / ASTM A36 / ASTM A1008 / ASTM A1011 M.S (Mild steel) IS:513 / IS 1079 / IS 2062 / ASTM A36 / ASTM A1008 / ASTM A1011.
<b>Assembly Specifications:</b>	*Can be Provided with our without Rubber Lining.

Table No LSH-01. Band Hanger Specification

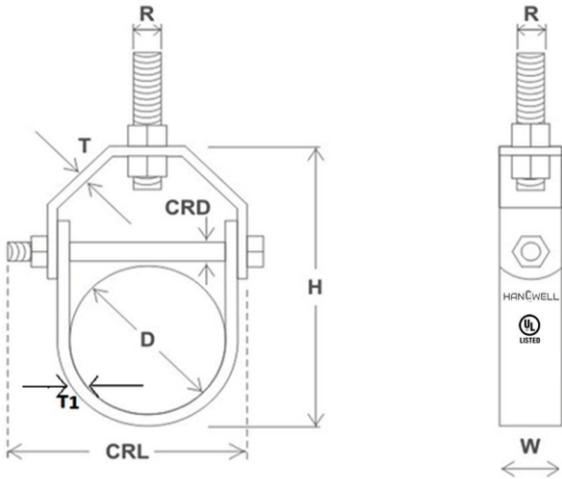
Product Code.	Pipe Size		Height (H) mm	Top Hole Diameter S (mm)	Hanger Rod. (R) mm	Surface Coating Thickness microns $\mu$	Maximum Load (N)
	Size Inch	Diameter (D) mm					
	FG-LSH-07	3/4"					
FG-LSH-10	1"	33.40	69.0	13.0	M10	13+	3336
FG-LSH-12	1.1/4"	42.16	78.0	13.0	M10	13+	3336
FG-LSH-15	1.1/2"	48.26	85.0	13.0	M10	13+	3336
FG-LSH-20	2"	60.33	102.0	13.0	M10	13+	3336
FG-LSH-25	2.1/2"	73.03	118.0	13.0	M10	13+	3781
FG-LSH-30	3"	88.90	144.0	13.0	M10	13+	4670
FG-LSH-40	4"	114.30	178.0	13.0	M10	13+	6672
FG-LSH-50	5"	141.30	220.0	16.0	M12	13+	8896
FG-LSH-60	6"	168.28	262.0	16.0	M12	13+	11787
FG-LSH-80	8"	219.08	305.0	16.0	M12	13+	18014

**NOTE:-** 1. CAN BE PROVIDED WITH OR WITHOUT RUBBER.  
2. CAN BE PROVIDED WITH OR WITHOUT TOP NUT.





## UL LISTED CLEVIS HANGER



### FEATURES AND BENEFITS.

<b>Coating Specification:</b>	* Minimum 13+ micron Electro-galvanized zinc plating.
<b>Dimensional Tolerance :</b>	* All Dimensions are as per Table LCH-01 unless otherwise specified. * For dimensions not specified: $\pm 3\%$ .
<b>Material Specification:</b>	M.S (Mild steel) IS:513 / IS 1079 / IS 2062 / ASTM A36 / ASTM A1008 / ASTM A1011 and all equivalent ASTM and EN specifications
<b>Assembly Specifications:</b>	* Can be Provided with our without Rubber Lining.

Table No LCH-01. Clevis Hanger Specification

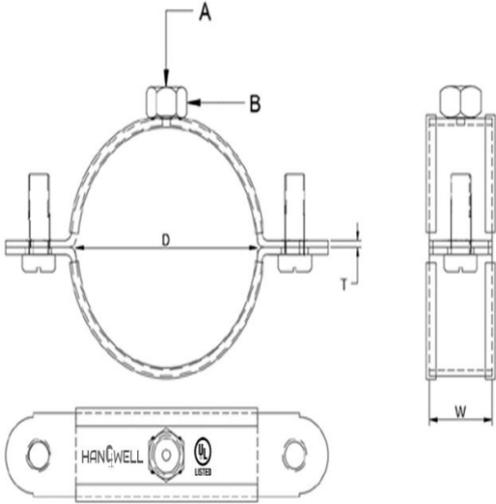
Product Code	Pipe Size		Height (H) mm	Hanger Rod (R) mm	Top Hole Dia (d1) mm $\pm 0.5$ mm	BOLT CRD (mm) X CRL (mm) length $\pm 10.0$ mm	Surface Coating Specifications	Maximum Load (N)
	Size	Diameter (D)					microns $\mu$	
	Inch	mm						
FG-LCH-07	3/4"	26.67	88.0	M10	11.0	M8 X 55 mm	13+	3336
FG-LCH-10	1"	33.40	99.0	M10	11.0	M8 X 60 mm	13+	3336
FG-LCH-12	1.1/4"	42.16	109.0	M10	11.0	M8 X 70 mm	13+	3336
FG-LCH-15	1.1/2"	48.26	109.0	M10	11.0	M8 X 75 mm	13+	3336
FG-LCH-20	2"	60.33	130.0	M10	11.0	M8 X 90 mm	13+	3336
FG-LCH-25	2.1/2"	73.03	158.0	M12	13.0	M10 X 110 mm	13+	3781
FG-LCH-30	3"	88.90	172.0	M12	13.0	M10 X 125 mm	13+	4670
FG-LCH-40	4"	114.30	204.0	M12	13.0	M10 X 150 mm	13+	6672
FG-LCH-60	6"	168.28	264.0	M16	17.0	M12 X 215 mm	13+	11787
FG-LCH-80	8"	219.08	333.0	M16	17.0	M12 X 280 mm	13+	18014
FG-LCH-100	10"	273.05	388.0	M20	21.0	M16 X 410 mm	13+	26020
FG-LCH-120	12"	323.85	450.0	M20	21.0	M16 X 460 mm	13+	35139

**NOTE:-** 1. CAN BE PROVIDED WITH OR WITHOUT RUBBER.  
2. CAN BE PROVIDED WITH OR WITHOUT TOP NUT.





UL LISTED NUT CLAMP WITH/WITHOUT RUBBER



FEATURES AND BENEFITS.

<b>Coating Specification:</b>	* Minimum 13+ micron Electro-galvanized zinc plating.
<b>Dimensional Tolerance :</b>	* All Dimensions are as per Table LNC-01 unless otherwise specified. * For dimensions not specified: $\pm 3\%$ .
<b>Material Specification:</b>	M.S (Mild steel) IS:513 / IS 1079 / IS 2062 / ASTM A36 / ASTM A1008 / ASTM A1011 and all equivalent ASTM and EN specifications.
<b>Assembly Specifications:</b>	* Can be Provided with our without Rubber Lining.

Table No LNC-01. Nut Clamp With Rubber / Without Rubber Specification

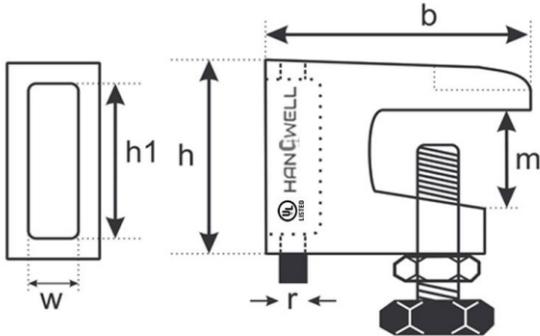
Product Code	NPS	Rod Size mm (A)	Hex Nut size (B)	Lining Composition (EPDM Rubber)	Side Screw Size	Surface Coating Thickness	Maximum Load (N)
FG-LNC-05	1/2"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	3336
FG-LNC-07	3/4"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	3336
FG-LNC-10	1"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	3336
FG-LNC-15	1 1/2"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	3336
FG-LNC-20	2"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	3336
FG-LNC-25	2 1/2"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	3781
FG-LNC-30	3"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	4460
FG-LNC-38	110 MM	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	6672
FG-LNC-40	4"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	6672

NOTE:- 1. CAN BE PROVIDED WITH OR WITHOUT RUBBER.  
2. CAN BE PROVIDED WITH OR WITHOUT TOP NUT.





## UL LISTED UNIVERSAL BEAM CLAMP



### FEATURES AND BENEFITS.

<b>Coating Specification:</b>	* Minimum 8+ micron Electro-galvanized zinc plating.
<b>Dimensional Tolerance :</b>	* All Dimensions are as per Table LBM-01 unless otherwise specified. * For dimensions not specified: $\pm 3\%$ .
<b>Material Specification:</b>	Malleable Iron, ASTM A47 Grade 32510 SG Iron, Ductile Iron & all Equivalent Grades.

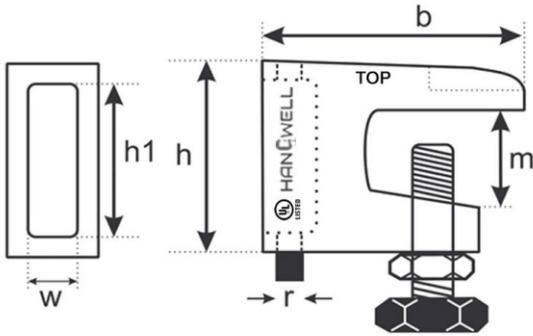
Table No LBM-01. Universal Beam Clamp Specification

Product Code	Size mm	Rod ( R ) mm	$b \pm 5.0$ mm	$m \pm 5.0$ mm	$h1 \pm 5.0$ mm	$w \pm 3.0$ mm	Height (H) $\pm 5.0$ mm	Remarks	Maximum Load (N)
FG-LBM-10	UPTO 4"	M10	50	26.5	30	12	46	Can be used for Top and Bottom Position	6672





## UL LISTED BEAM CLAMP



### FEATURES AND BENEFITS.

<b>Coating Specification:</b>	* Minimum 8+ micron Electro-galvanized zinc plating.
<b>Dimensional Tolerance :</b>	* All Dimensions are as per Table LBM-01 unless otherwise specified. * For dimensions not specified: $\pm 3\%$ .
<b>Material Specification:</b>	Malleable Iron, ASTM A47 Grade 32510 SG Iron, Ductile Iron & all Equivalent Grades.

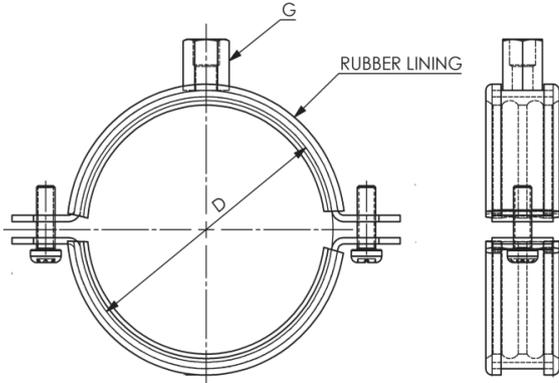
Table No LBMT-01.Beam Clamp Specification

Product Code	Size mm	Rod ( R ) mm	$b \pm 5.0$ mm	$m \pm 5.0$ mm	$h1 \pm 5.0$ mm	$w \pm 3.0$ mm	Height (H) $\pm 5.0$ mm	Remarks	Maximum Load (N)
FG-LBM-12	UPTO 8"	M12	57	30	37	14	53	To be used only on Top Position	18014





## NUT CLAMP / SPLIT CLAMP WITH RUBBER



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Lock bolts with combi cross recessed head.</li> <li>* For horizontal and vertical applications.</li> <li>* Profiled for extra strength</li> </ul>
<b>Material:-</b>	Mild Steel, Stainless Steel, Aluminium, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized ASTM A 123 / A 123M.</li> <li>* Temperature resistance from - 20 °C to +100 °C.</li> <li>* Noise reduction up to 18 dB (A)</li> </ul>

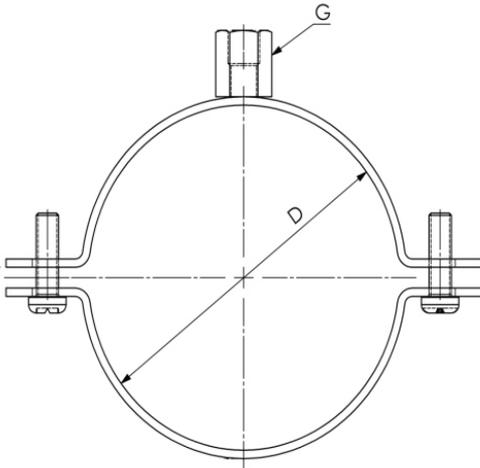
Product Code	Nominal Pipe Size In.	PIPE OD mm	PIPE OD (mm)	Range (mm)	TopNut (G)	SideScrew Size	MaxLoad (N)	Box Quantity
HGEPNCR018	3/8"	DN10	17.1	15-19	M8 X M10	M6	1500	500
HGEPNCR022	1/2"	DN15	21.3	20-25	M8 X M10	M6	1500	400
HGEPNCR027	3/4"	DN20	26.7	26-30	M8 X M10	M6	1500	350
HGEPNCR034	1"	DN25	33.4	32-36	M8 X M10	M6	1500	300
HGEPNCR042	1 1/4"	DN32	42.1	38-43	M8 X M10	M6	1500	250
HGEPNCR048	1 1/2"	DN40	48.2	47-51	M8 X M10	M6	1500	225
HGEPNCR054	----	----	54	53-58	M8 X M10	M6	1500	160
HGEPNCR060	2"	DN50	60.3	60-64	M8 X M10	M6	1500	160
HGEPNCR063	----	----	63	63-66	M8 X M10	M6	2000	160
HGEPNCR070	----	----	70	68-72	M8 X M10	M6	2000	150
HGEPNCR073	2 1/2"	DN65	73	74-80	M8 X M10	M6	2000	150
HGEPNCR083	----	----	83	81-86	M8 X M10	M6	2000	125
HGEPNCR090	3"	DN80	88.9	87-92	M8 X M10	M6	2000	120
HGEPNCR101	3 1/2"	DN90	101.6	99-105	M8 X M10	M6	2000	110
HGEPNCR110	----	----	110	107-112	M8 X M10	M6	2000	100
HGEPNCR114	4"	DN100	114.3	113-118	M8 X M10	M6	2500	100
HGEPNCR125	----	----	125	125-130	M8 X M10	M6	2500	75
HGEPNCR133	----	----	133	131-137	M8 X M10	M6	2500	75
HGEPNCR141	5"	DN125	141.3	138-142	M8 X M10	M6	2500	60
HGEPNCR150	----	----	150	148-153	M8 X M10	M6	2500	60
HGEPNCR160	----	----	160	159-166	M8 X M10	M6	2500	60
HGEPNCR168	6"	DN150	168.3	168-172	M8 X M10	M6	2500	60
HGEPNCR219	8"	DN200	219.1	215-220	M8 X M10	M8	3000	40
HGEPNCR273	10"	DN250	273	269-274	M8 X M10	M8	3000	20
HGEPNCR323	12"	DN300	323.8	313-318	M8 X M10	M8	3000	10

- NOTE:-**
1. TOP NUT IS AS PER CUSTOMERS REQUIREMENT WE PROVIDE M8X10 DUAL NUT, WE CAN ALSO PROVIDE IN HEX NUTS AND ALSO LONG HEX NUTS.
  2. WE PROVIDE EXTENDED THREADS FOR SIDE SCREW WHICH GIVES MORE STRENGTH AND CHANCES OF SLIPPAGE AT LOAD IS ZERO.
  3. WE PROVIDE SIDE SCREW WITH NUT ON REQUEST.
  4. a. EP - MICRONS : 8μ - 15μ  
b. HDG - MICRONS : 70μ - 95μ





## NUT CLAMP / SPLIT CLAMP



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Lock bolts with combi cross recessed head.</li> <li>* For horizontal and vertical applications.</li> <li>* Profiled for extra strength.</li> </ul>
<b>Material:-</b>	MildSteel, Stainless Steel, Aluminium, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM 633.</li> <li>* Galvanized ASTM A 123 / A 123M.</li> </ul>

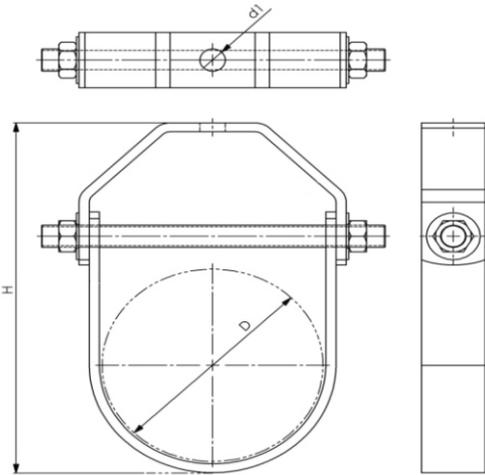
Product Code	Nominal Pipe Size In.	PIPE OD mm	PIPE OD (mm)	Range (mm)	Top Nut (G)	Side Screw Size	Max Load (N)	Box Quantity
HGEPNC018	3/8"	DN10	17.1	1519	M8 X M10	M6	1500	600
HGEPNC022	1/2"	DN15	21.3	2025	M8 X M10	M6	1500	500
HGEPNC027	3/4"	DN20	26.7	2630	M8 X M10	M6	1500	400
HGEPNC034	1"	DN25	33.4	3236	M8 X M10	M6	1500	350
HGEPNC042	1 1/4"	DN32	42.1	3843	M8 X M10	M6	1500	300
HGEPNC048	1 1/2"	DN40	48.2	4751	M8 X M10	M6	1500	250
HGEPNC054	----	----	54	5358	M8 X M10	M6	1500	250
HGEPNC060	2"	DN50	60.3	6064	M8 X M10	M6	1500	225
HGEPNC063	----	----	63	6366	M8 X M10	M6	2000	225
HGEPNC070	----	----	70	68-72	M8 X M10	M6	2000	200
HGEPNC073	2 1/2"	DN65	73	7480	M8 X M10	M6	2000	200
HGEPNC083	----	----	83	8186	M8 X M10	M6	2000	200
HGEPNC090	3"	DN80	88.9	8792	M8 X M10	M6	2000	150
HGEPNC101	3 1/2"	DN90	101.6	99105	M8 X M10	M6	2000	150
HGEPNC110	----	----	110	107112	M8 X M10	M6	2000	150
HGEPNC114	4"	DN100	114.3	113118	M8 X M10	M6	2500	125
HGEPNC125	----	----	125	125130	M8 X M10	M6	2500	125
HGEPNC141	5"	DN125	141.3	138142	M8 X M10	M6	2500	100
HGEPNC150	----	----	150	148153	M8 X M10	M6	2500	100
HGEPNC160	----	----	160	159166	M8 X M10	M6	2500	75
HGEPNC168	6"	DN150	168.3	168172	M8 X M10	M6	2500	75
HGEPNC219	8"	DN200	219.1	215220	M8 X M10	M8	3000	50
HGEPNC273	10"	DN250	273	269274	M8 X M10	M8	3000	30
HGEPNC323	12"	DN300	323.8	313318	M8 X M10	M8	3000	20

- NOTE:-**
1. TOP NUT IS AS PER CUSTOMERS REQUIREMENT WE PROVIDE M8X10 DUAL NUT, WE CAN ALSO PROVIDE IN HEX NUTS AND ALSO LONG HEX NUTS.
  2. WE PROVIDE EXTENDED THREADS FOR SIDE SCREW WHICH GIVES MORE STRENGTH AND CHANCES OF SLIPPAGE AT LOAD IS ZERO.
  3. WE PROVIDE SIDE SCREW WITH NUT ON REQUEST.





## CLEVIS HANGER



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed for chilled water pipe work and fire fighting systems.</li> <li>* Design permits vertical adjustment of pipe after installation.</li> <li>* Hanger load nut above clevis must be tightened securely to ensure proper hanger performance.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123/ A123M.</li> <li>* Designed to meet MSS standard SP-58, type 1 and SP-69.</li> </ul>

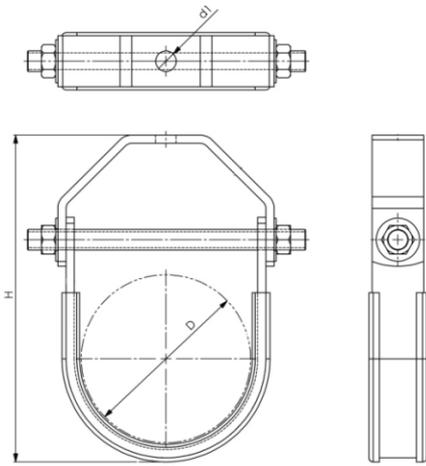
Product Code	Nominal Pipe Size In. mm	Pipe OD (D) mm	Height (H) mm	Top Hole Dia (d1) mm	Hanger Rod Size (mm)	Cross Bolt Dia. (CRD)	Max Load (N)	Box Quantity	
HGEPCH022	½"	DN15	21.3	80.0	11	M10	M8	4000	300
HGEPCH027	¾"	DN20	26.7	85.0	11	M10	M8	4000	300
HGEPCH034	1"	DN25	33.4	99.0	11	M10	M8	4000	250
HGEPCH042	1 ¼"	DN32	42.1	107.0	11	M10	M8	4000	150
HGEPCH048	1 ½"	DN40	48.2	109.0	11	M10	M8	4000	150
HGEPCH060	2"	DN50	60.3	128.0	11	M10	M8	4000	100
HGEPCH073	2 ½"	DN65	73	158.0	13	M12	M10	6500	60
HGEPCH090	3"	DN80	88.9	171.0	13	M12	M10	6500	40
HGEPCH101	3 ½"	DN90	101.6	179.0	13	M12	M10	6500	30
HGEPCH114	4"	DN100	114.3	204.0	13	M12	M10	8000	25
HGEPCH141	5"	DN125	141.3	235.0	17	M16	M12	8000	15
HGEPCH168	6"	DN150	168.3	265.0	17	M16	M12	11000	12
HGEPCH219	8"	DN200	219.1	333.0	17	M16	M12	11000	6
HGEPCH273	10"	DN250	273.1	390.0	21	M20	M16	15000	5
HGEPCH323	12"	DN300	323.8	465.0	21	M20	M16	15000	5
HGEPCH355	14"	DN350	355.6	525.0	21	M20	M20	17500	3
HGEPCH406	16"	DN400	406.4	575.0	25	M24	M24	17500	2
HGEPCH457	18"	DN450	457.2	650.0	25	M24	M24	17500	2
HGEPCH508	20"	DN500	508	705.0	32	M30	M24	22000	1
HGEPCH610	24"	DN600	609.6	815.0	32	M30	M24	27000	1
HGEPCH762	30"	DN750	762	1000.0	32	M30	M24	30000	1

- NOTE:-**
1. THE CROSS BOLT AND HANGER ROD SIZE CAN BE CHANGED UPON REQUEST.
  2. THE SIZES OF CLEVIS HANGER ABOVE 8" WILL BE PROVIDED IN HDPE BAGS.
  3. a. EP - MICRONS : 8μ - 15μ  
b. HDG - MICRONS : 70μ - 95μ





## CLEVIS HANGER WITH RUBBER LINING



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Design permits vertical adjustment of pipe after installation.</li> <li>* Designed for chilled water pipe work and fire fighting systems.</li> <li>* Hanger load nut above clevis must be tightened securely to ensure proper hanger performance.</li> <li>* Temperature resistance from -20°C to + 110°C.</li> <li>* Noise reduction up to 18 dB (A).</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS standard SP-58, type 1 and SP-69.</li> </ul>

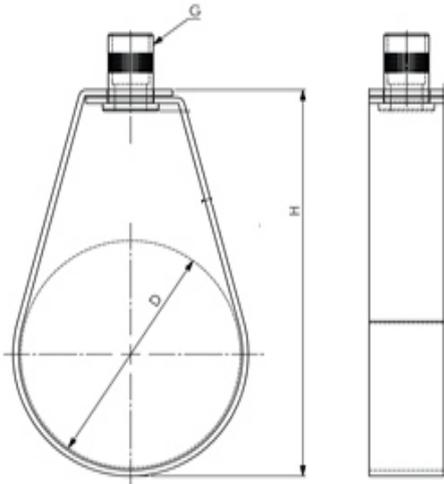
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Height (H) mm	Top Hole Dia (d1) mm	Hanger Rod Size (mm)	Cross Bolt Dia. (CRD)	Max Load (N)	Microns (μ)	Box Quantity
	In.	mm								
HGEPCHR022	½"	DN15	21.3	80.0	11	M10	M8	4000	8-15	300
HGEPCHR027	¾"	DN20	26.7	85.0	11	M10	M8	4000	8-15	300
HGEPCHR034	1"	DN25	33.4	99.0	11	M10	M8	4000	8-15	250
HGEPCHR042	1 ¼"	DN32	42.1	107.0	11	M10	M8	4000	8-15	150
HGEPCHR048	1 ½"	DN40	48.2	109.0	11	M10	M8	4000	8-15	150
HGEPCHR060	2"	DN50	60.3	128.0	11	M10	M8	4000	8-15	100
HGEPCHR073	2 ½"	DN65	73	158.0	13	M12	M10	6500	8-15	60
HGEPCHR090	3"	DN80	88.9	171.0	13	M12	M10	6500	8-15	40
HGEPCHR101	3 ½"	DN90	101.6	179.0	13	M12	M10	6500	8-15	30
HGEPCHR114	4"	DN100	114.3	204.0	13	M12	M10	8000	8-15	25
HGEPCHR141	5"	DN125	141.3	235.0	17	M16	M12	8000	8-15	15
HGEPCHR168	6"	DN150	168.3	265.0	17	M16	M12	11000	8-15	12
HGEPCHR219	8"	DN200	219.1	333.0	17	M16	M12	11000	8-15	6
HGEPCHR273	10"	DN250	273.1	390.0	21	M20	M16	15000	8-15	5
HGEPCHR323	12"	DN300	323.8	465.0	21	M20	M16	15000	8-15	5
HGEPCHR355	14"	DN350	355.6	525.0	21	M20	M20	17500	8-15	3
HGEPCHR406	16"	DN400	406.4	575.0	25	M24	M24	17500	8-15	2
HGEPCHR457	18"	DN450	457.2	650.0	25	M24	M24	17500	8-15	2
HGEPCHR508	20"	DN500	508	705.0	32	M30	M24	22000	8-15	1
HGEPCHR610	24"	DN600	609.6	815.0	32	M30	M24	27000	8-15	1
HGEPCHR762	30"	DN750	762	1000.0	32	M30	M24	30000	8-15	1

**NOTE:-** 1. THE CROSS BOLT AND HANGER ROD SIZE CAN BE CHANGED UPON REQUEST.  
2. THE SIZES OF CLEVIS HANGER ABOVE 8" WILL BE PROVIDED IN HDPE BAGS.





## SPRINKLER HANGER / LOOP HANGER



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For use in fire fighting and sprinkler installations.</li> <li>* Easy to install and adjust, without tools.</li> <li>* High load capacity due to one piece design.</li> <li>* Knurled swivel nut to adjust vertical pipe alignment during and after installation.</li> </ul>
<b>Material:-</b>	Mild steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123/ A 123M.</li> <li>* Designed to meet MSS Standard SP 58 type 10 and SP 69.</li> </ul>

Product Code	Nominal Pipe Size Inches.	Pipe OD (D) mm	Height (H) mm	Hanger Rod (G) inches	mm	Max Load (N)	Box Quantity.	
HGEP SH027	¾"	DN20	26.7	61	3/8"	M10	3000	350
HGEP SH034	1"	DN25	33.4	70	3/8"	M10	3000	300
HGEP SH042	1 ¼"	DN32	42.1	78	3/8"	M10	3000	250
HGEP SH048	1 ½"	DN40	48.2	84	3/8"	M10	3000	200
HGEP SH060	2"	DN50	60.3	102	3/8"	M10	3000	150
HGEP SH073	2 ½"	DN65	73	118	3/8"	M10	4500	125
HGEP SH090	3"	DN80	88.9	144	3/8"	M10	4500	80
HGEP SH114	4"	DN100	114.3	176	3/8"	M10	5500	60
HGEP SH141	5"	DN125	141.3	220	1/2"	M12	6500	40
HGEP SH168	6"	DN150	168.3	262	1/2"	M12	7500	25
HGEP SH219	8"	DN200	219.1	305	1/2"	M12	9000	12
HGEP SH273	10"	DN250	273	320	1/2"	M12	9000	5

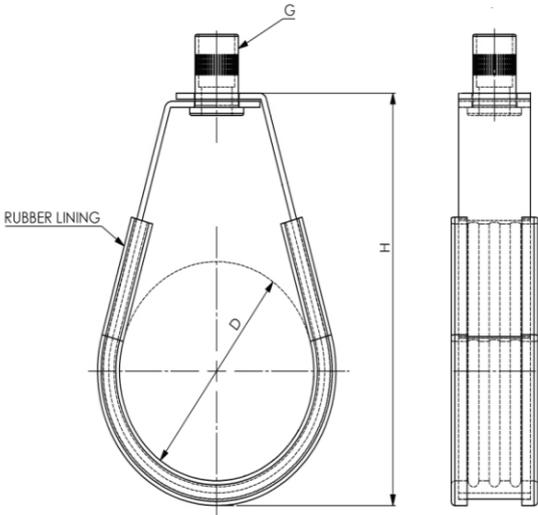
**NOTE:-** 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 8μ - 15μ
- b. HDG - MICRONS : 70μ - 95μ





SPRINKLER / LOOP HANGER WITH RUBBER LINING



FEATURES AND BENEFITS.

- |                        |                                                                                                                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description:-</b>   | <ul style="list-style-type: none"> <li>* For use in fire fighting and sprinkler installations.</li> <li>* Easy to install and adjust, without tools.</li> <li>* High load capacity due to one piece design.</li> <li>* Knurled swivel nut to adjust vertical pipe alignment during and after installation.</li> </ul> |
| <b>Material:-</b>      | Mild steel, other materials on request.                                                                                                                                                                                                                                                                               |
| <b>Specification:-</b> | <ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Noise reduction up to 188 dB (A).</li> <li>* Temperature resistance from -20°C to +100°C.</li> <li>* Designed to meet MSS Standard SP 58 type 10 and SP 69.</li> </ul>                                                      |

Product Code	Nominal Pipe Size	Pipe OD (D)	Height	Hanger Rod (G)		Max Load (N)	Microns (μ)	Box Quantity.	
	Inches.	(mm)	(H) mm	inches	mm				
HGEPHR027	¾"	DN20	26.7	61	3/8"	M10	3000	8 - 15	350
HGEPHR034	1"	DN25	33.4	70	3/8"	M10	3000	8 - 15	300
HGEPHR042	1 ¼"	DN32	42.1	78	3/8"	M10	3000	8 - 15	250
HGEPHR048	1 ½"	DN40	48.2	84	3/8"	M10	3000	8 - 15	200
HGEPHR060	2"	DN50	60.3	102	3/8"	M10	3000	8 - 15	150
HGEPHR073	2 ½"	DN65	73	118	3/8"	M10	4500	8 - 15	125
HGEPHR090	3"	DN80	88.9	144	3/8"	M10	4500	8 - 15	80
HGEPHR114	4"	DN100	114.3	176	3/8"	M10	5500	8 - 15	60
HGEPHR141	5"	DN125	141.3	220	1/2"	M12	6500	8 - 15	40
HGEPHR168	6"	DN150	168.3	262	1/2"	M12	7500	8 - 15	25
HGEPHR219	8"	DN200	219.1	305	1/2"	M12	9000	8 - 15	12
HGEPHR273	10"	DN250	273	320	1/2"	M12	9000	8 - 15	5

NOTE:- 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.

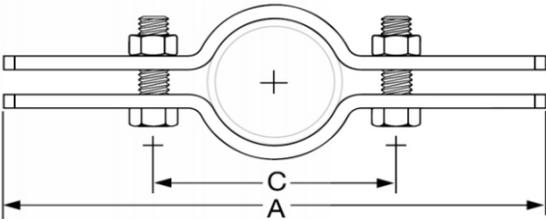




## RISER HANGER

### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed to act as a rigid support or guide for vertical pipes.</li> <li>* Suitable for use with all types of pipes.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123/ A 123M.</li> <li>* Designed to meet MSS Standard SP-58-2002, SP-58-2002, type 8 and SP-69.</li> </ul>



Product Code	Nominal Pipe Size		Pipe OD (D) mm	Total length (A) mm	Length Between Bolts (C) mm	Hole Size mm	Max Load (N)	Box Quantity
	In.	mm						
HGEPRH022	½"	DN15	21.3	216	59	11	4000	50
HGEPRH027	¾"	DN20	26.7	227	68	11	4000	50
HGEPRH034	1"	DN25	33.4	227	71	11	4000	50
HGEPRH042	1 ¼"	DN32	42.1	240	83	11	4000	50
HGEPRH048	1 ½"	DN40	48.2	251	96	11	4000	50
HGEPRH060	2"	DN50	60.3	260	106	11	4000	40
HGEPRH073	2 ½"	DN65	73	280	124	11	6500	40
HGEPRH090	3"	DN80	88.9	298	140	11	6500	30
HGEPRH114	4"	DN100	114.3	321	165	13	8000	20
HGEPRH141	5"	DN125	141.3	330	168	13	8000	15
HGEPRH168	6"	DN150	168.3	368	210	13	11000	10
HGEPRH219	8"	DN200	219.1	406	244	17	11000	5
HGEPRH273	10"	DN250	273.1	464	311	17	15000	1
HGEPRH323	12"	DN300	323.8	524	371	17	15000	1
HGEPRH355	14"	DN350	355.6	581	435	17	17500	1
HGEPRH406	16"	DN400	406.4	622	464	17	17500	1
HGEPRH457	18"	DN450	457.2	686	533	21	17500	1
HGEPRH508	20"	DN500	508	750	600	21	22000	1
HGEPRH610	24"	DN600	609.6	850	700	21	27000	1

**NOTE:-** 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 8μ - 15μ2).
- b. HDG - MICRONS : 70μ - 95μ

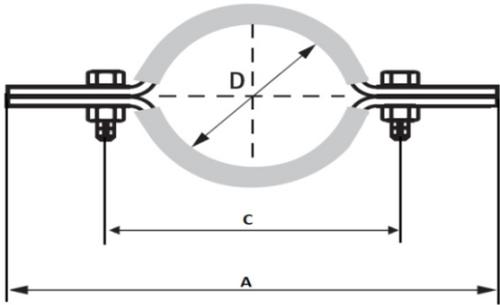




## RISER HANGER RUBBER LINING

### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed to act as a rigid support or guide for vertical pipes.</li> <li>* Suitable for use with all types of pipes.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58-2002, type 8 and SP-69.</li> <li>* Temperature resistance from -20 °C to +110 °C</li> <li>* Noise insulating lining, EPDM, black.</li> <li>* Noise reduction up to 18dB (A).</li> </ul>



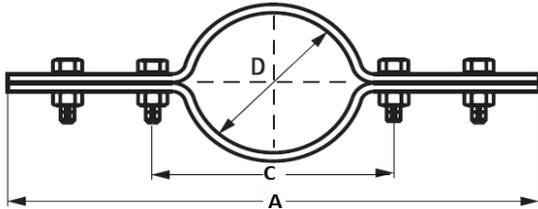
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Total length (A) mm	Length Between Bolts (C)mm	Hole Size mm	Max Load (N)	Microns (μ)	Box Quantity
	In.	mm							
HGEPRHR022	½"	DN15	21.3	216	59	11	4000	8-15	50
HGEPRHR027	¾"	DN20	26.7	227	68	11	4000	8-15	50
HGEPRHR034	1"	DN25	33.4	227	71	11	4000	8-15	50
HGEPRHR042	1 ¼"	DN32	42.1	240	83	11	4000	8-15	50
HGEPRHR048	1 ½"	DN40	48.2	251	96	11	4000	8-15	50
HGEPRHR060	2"	DN50	60.3	260	106	11	4000	8-15	40
HGEPRHR073	2 ½"	DN65	73	280	124	11	6500	8-15	40
HGEPRHR090	3"	DN80	88.9	298	140	11	6500	8-15	30
HGEPRHR114	4"	DN100	114.3	321	165	13	8000	8-15	20
HGEPRHR141	5"	DN125	141.3	330	168	13	8000	8-15	15
HGEPRHR168	6"	DN150	168.3	368	210	13	11000	8-15	10
HGEPRHR219	8"	DN200	219.1	406	244	17	11000	8-15	5
HGEPRHR273	10"	DN250	273.1	464	311	17	15000	8-15	1
HGEPRHR323	12"	DN300	323.8	524	371	17	15000	8-15	1
HGEPRHR355	14"	DN350	355.6	581	435	17	17500	8-15	1
HGEPRHR406	16"	DN400	406.4	622	464	17	17500	8-15	1
HGEPRHR457	18"	DN450	457.2	686	533	21	17500	8-15	1
HGEPRHR508	20"	DN500	508	750	600	21	22000	8-15	1
HGEPRHR610	24"	DN600	609.6	850	700	21	27000	8-15	1

NOTE:- 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.





## RISER HANGER-FOUR BOLT



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed to act as a rigid support or guide for vertical pipes.</li> <li>* Suitable for use with all types of pipes.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58-2002, type 8 and SP-69.</li> </ul>

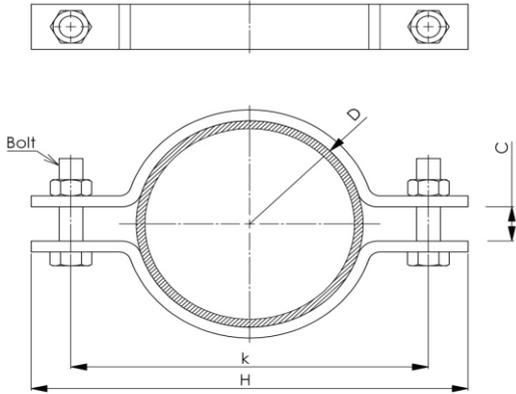
Product Code	Nominal Pipe Size In.	Pipe Size mm	Pipe OD (D) mm	Total length (A) mm	Length Between Bolts (C)mm	Hole Size mm	Max Load (N)	Microns (μ)	Box Quantity
HGEPRHF022	½"	DN15	21.3	216	59	11	4000	8-15	50
HGEPRHF027	¾"	DN20	26.7	227	68	11	4000	8-15	50
HGEPRHF034	1"	DN25	33.4	227	71	11	4000	8-15	50
HGEPRHF042	1 ¼"	DN32	42.1	240	83	11	4000	8-15	50
HGEPRHF048	1 ½"	DN40	48.2	251	96	11	4000	8-15	50
HGEPRHF060	2"	DN50	60.3	260	106	11	4000	8-15	40
HGEPRHF073	2 ½"	DN65	73	280	124	11	6500	8-15	40
HGEPRHF090	3"	DN80	88.9	298	140	11	6500	8-15	30
HGEPRHF114	4"	DN100	114.3	321	165	13	8000	8-15	20
HGEPRHF141	5"	DN125	141.3	330	168	13	8000	8-15	15
HGEPRHF168	6"	DN150	168.3	368	210	13	11000	8-15	10
HGEPRHF219	8"	DN200	219.1	406	244	17	11000	8-15	5
HGEPRHF273	10"	DN250	273.1	464	311	17	15000	8-15	1
HGEPRHF323	12"	DN300	323.8	524	371	17	15000	8-15	1
HGEPRHF355	14"	DN350	355.6	581	435	17	17500	8-15	1
HGEPRHF406	16"	DN400	406.4	622	464	17	17500	8-15	1
HGEPRHF457	18"	DN450	457.2	686	533	21	17500	8-15	1
HGEPRHF508	20"	DN500	508	750	600	21	22000	8-15	1
HGEPRHF610	24"	DN600	609.6	850	700	21	27000	8-15	1

**NOTE:-** 1. CUSTOMISED DIMENSIONS AVAILABLE ON REQUEST.





## TWO BOLT CLAMP



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed to act as a horizontal support for heavier pipes.</li> <li>* Two bolt arrangement provides sturdier support.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Designed to meet MSS Standard SP-58-2002, type 8 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Total length (H) mm	Length Between Bolts(k) mm	Gap (C) mm	Bolt Size mm	Max Load (N)	Box Quantity
	In.	mm							
HGEPTBC022	½"	DN15	21.3	97	68	12	M10	1700	50
HGEPTBC027	¾"	DN20	26.7	105	76	12	M10	1700	50
HGEPTBC034	1"	DN25	33.4	113	84	12	M10	1700	50
HGEPTBC042	1 ¼"	DN32	42.1	121	92	12	M10	1700	50
HGEPTBC048	1 ½"	DN40	48.2	127	98	12	M10	1700	50
HGEPTBC060	2"	DN50	60.3	156	116	16	M10	1700	40
HGEPTBC073	2 ½"	DN65	73	182	142	16	M12	4000	40
HGEPTBC090	3"	DN80	88.9	196	156	16	M12	4000	30
HGEPTBC101	3 ½"	DN90	101	208	168	16	M12	4000	30
HGEPTBC114	4"	DN100	114.3	220	180	19	M12	4000	20
HGEPTBC141	5"	DN125	141.3	252	214	19	M16	6000	15
HGEPTBC168	6"	DN150	168.3	290	242	22	M16	6000	10
HGEPTBC219	8"	DN200	219.1	352	302	25	M16	11000	5
HGEPTBC273	10"	DN250	273.1	406	358	25	M16	12000	1
HGEPTBC323	12"	DN300	323.8	490	430	25	M20	15000	1
HGEPTBC355	14"	DN350	355.6	546	480	28	M20	15000	1
HGEPTBC406	16"	DN400	406.4	597	532	28	M20	22000	1
HGEPTBC457	18"	DN450	457.2	686	610	32	M20	20000	1
HGEPTBC508	20"	DN500	508	776	680	35	M20	22000	1
HGEPTBC610	24"	DN600	609.6	876	780	42	M20	22000	1

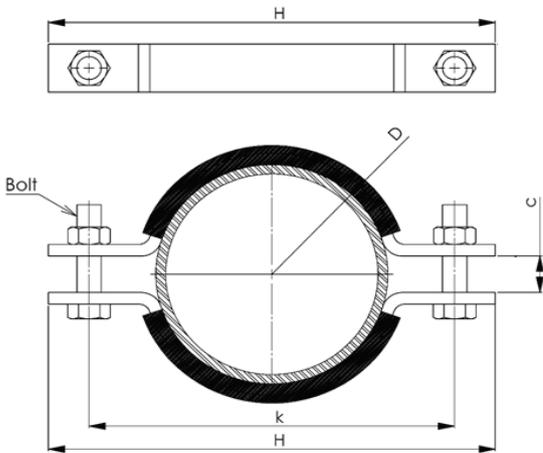
NOTE:- 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 8μ - 15μ
- b. HDG - MICRONS : 70μ - 95μ





## TWO BOLT CLAMP WITH RUBBER LINING



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed to act as a horizontal support for heavier pipes.</li> <li>* Two bolt arrangement provides sturdier support.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58-2002, type 8 and SP-69.</li> <li>* Temperature resistance from -20 °C to +110 °C.</li> <li>* Noise insulating lining, EPDM, black.</li> <li>* Noise reduction up to 18d B (A).</li> </ul>

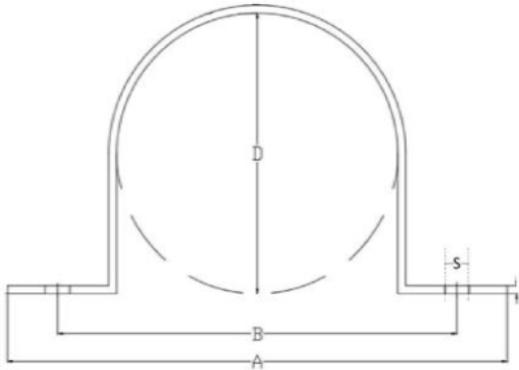
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Total length (H)mm	Length Between Bolts (k) mm	Gap (C)mm	Bolt Size mm	Max Load (N)	Box Quantity
	In.	mm							
HGEPTBC022	½"	DN15	21.3	97	68	12	M10	1700	50
HGEPTBC027	¾"	DN20	26.7	105	76	12	M10	1700	50
HGEPTBC034	1"	DN25	33.4	113	84	12	M10	1700	50
HGEPTBC042	1 ¼"	DN32	42.1	121	92	12	M10	1700	50
HGEPTBC048	1 ½"	DN40	48.2	127	98	12	M10	1700	50
HGEPTBC060	2"	DN50	60.3	156	116	16	M10	1700	40
HGEPTBC073	2 ½"	DN65	73	182	142	16	M12	4000	40
HGEPTBC090	3"	DN80	88.9	196	156	16	M12	4000	30
HGEPTBC101	3 ½"	DN90	101	208	168	16	M12	4000	30
HGEPTBC114	4"	DN100	114.3	220	180	19	M12	4000	20
HGEPTBC141	5"	DN125	141.3	252	214	19	M16	6000	15
HGEPTBC168	6"	DN150	168.3	290	242	22	M16	6000	10
HGEPTBC219	8"	DN200	219.1	352	302	25	M16	11000	5
HGEPTBC273	10"	DN250	273.1	406	358	25	M16	12000	1
HGEPTBC323	12"	DN300	323.8	490	430	25	M20	15000	1
HGEPTBC355	14"	DN350	355.6	546	480	28	M20	15000	1
HGEPTBC406	16"	DN400	406.4	597	532	28	M20	22000	1
HGEPTBC457	18"	DN450	457.2	686	610	32	M20	20000	1
HGEPTBC508	20"	DN500	508	776	680	35	M20	22000	1
HGEPTBC610	24"	DN600	609.6	876	780	42	M20	22000	1

NOTE:- 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.





## U STRAP



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For mounting plain or insulated pipes.</li> <li>* Can be used with Rubber Support Inserts.</li> <li>* Slotted hole same as used U strap.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Specification:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Designed to meet MSS Standard SP-58, type 26 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Overall Dimension (A) mm	Distance Between Two Bolt (B) mm	Hole Size (S) mm	Max Load (N)	Box Quantity
	In.	mm						
HGEPUS018	3/8"	DN10	17.1	72	47	M11	4000	600
HGEPUS022	1/2"	DN15	21.3	76	51	M11	4000	500
HGEPUS027	3/4"	DN20	26.7	82	57	M11	4000	400
HGEPUS034	1"	DN25	33.4	89	64	M11	4000	400
HGEPUS042	1 1/4"	DN32	42.1	96	71	M11	4000	350
HGEPUS048	1 1/2"	DN40	48.2	102	77	M11	5000	300
HGEPUS054	-	-	54	108	83	M11	5000	250
HGEPUS060	2"	DN50	60.3	114	89	M11	5000	200
HGEPUS067	-	-	67	121	96	M11	5000	200
HGEPUS073	2 1/2"	DN65	73	145	113	M11	6000	150
HGEPUS082	-	-	82	152	120	M11	6000	150
HGEPUS090	3"	DN80	88.9	160	128	M11	6000	150
HGEPUS101	3 1/2"	DN90	101.6	170	138	M11	6000	150
HGEPUS108	-	-	108	178	146	M11	6000	125
HGEPUS114	4"	DN100	114.3	185	153	M11	6000	125
HGEPUS126	-	-	126	196	164	M11	6000	125
HGEPUS141	5"	DN125	141.3	210	178	M11	6000	100
HGEPUS148	-	-	148	218	186	M11	6000	100
HGEPUS155	-	-	155	225	193	M11	6000	100
HGEPUS168	6"	DN150	168.3	237	205	M11	8000	100
HGEPUS179	-	-	179	249	217	M11	8000	100
HGEPUS190	-	-	190	260	228	M11	8000	50
HGEPUS205	-	-	205	275	243	M11	8000	50
HGEPUS219	8"	DN200	219.1	289	257	M11	8000	50
HGEPUS230	-	-	230	300	268	M11	8000	30
HGEPUS241	-	-	241	332	291	M11	12500	30
HGEPUS263	-	-	263	354	313	M11	12500	30
HGEPUS273	10"	DN250	273	364	323	M13	12500	30
HGEPUS295	-	-	295	386	345	M13	12500	30
HGEPUS323	12"	DN300	323.8	417	376	M13	12500	30
HGEPUS356	14"	DN350	355.6	447	409	M13	18000	10
HGEPUS374	-	-	374	465	427	M13	18000	10
HGEPUS406	16"	DN400	406.4	497	459	M13	18000	10
HGEPUS432	-	-	432	523	485	M13	18000	10
HGEPUS457	18"	DN450	457.2	547	509	M17	18000	5
HGEPUS482	-	-	482	573	535	M17	18000	5
HGEPUS508	20"	DN500	508.2	599	561	M17	18000	5
HGEPUS533	-	-	533	624	586	M17	18000	5
HGEPUS559	-	-	559	650	612	M17	18000	5
HGEPUS583	-	-	583	674	636	M17	18000	5
HGEPUS610	24"	DN600	609.6	701	663	M17	18000	5
HGEPUS658	-	-	658	766	721	M17	23000	5
HGEPUS690	-	-	690	798	753	M17	23000	5
HGEPUS760	-	-	760	868	823	M17	23000	5





## U STRAP

Product Code	Nominal Pipe Size		Pipe OD (D)	Overall Dimension (A) mm	Distance Between Two Bolt (B) mm	Hole Size (S) mm	Max Load (N)	Box Quantity
	In.	mm	mm					
HGEPUS863	-		863	971	926	M17	23000	5
HGEPUS918	-		918	1026	981	M17	23000	5

**NOTE:-** 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.

2. U STRAP OF ALL NON STANDARD SIZES TO FIT UPON RUBBER SUPPORT INSERT CAN BE MANUFACTURED.

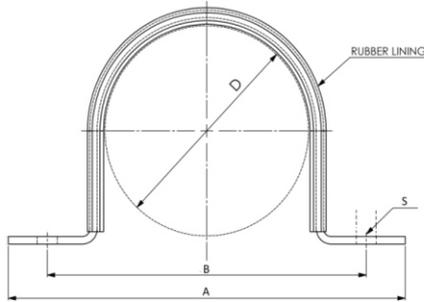
3. a. EP - MICRONS : 8 $\mu$  - 15 $\mu$ .

b. HDG - MICRONS : 70 $\mu$  - 95 $\mu$ .





## U STRAP WITH RUBBER LINING.



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For mounting plain or insulated pipes.</li> <li>* Can be used with Rubber Support Inserts.</li> <li>* Slotted hole same as used U strap.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Temperature resistance from -20 °C to +110 °C.</li> <li>* Noise reduction up to 18 dB (A).</li> <li>* Designed to meet MSS Standard SP-58, type 26 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Overall Dimension (A) mm	Distance Between Two Bolt (B) mm	Hole Size (S) mm	Max Load (N)	Box Quantity
	In.	mm						
HGEPUSR022	½"	DN15	21.3	78	54	M11	4000	500
HGEPUSR027	¾"	DN20	26.7	83	59	M11	4000	400
HGEPUSR034	1"	DN25	33.4	90	66	M11	4000	400
HGEPUSR042	1 ¼"	DN32	42.1	99	75	M11	4000	350
HGEPUSR048	1 ½"	DN40	48.2	104	80	M11	5000	300
HGEPUSR054	-		54	112	87	M11	5000	250
HGEPUSR060	2"	DN50	60.3	118	93	M11	5000	200
HGEPUSR073	2 ½"	DN65	73	131	106	M11	6000	150
HGEPUSR090	3"	DN80	88.9	151	126	M11	6000	150
HGEPUSR101	3 ½"	DN90	101.6	163	138	M11	6000	150
HGEPUSR110	-		110	172	147	M11	6000	125
HGEPUSR114	4"	DN100	114.3	176	151	M11	6000	125
HGEPUSR141	5"	DN125	141.3	203	178	M11	6000	100
HGEPUSR155	-		160	222	197	M11	6000	100
HGEPUSR168	6"	DN150	168.3	240	210	M13	8000	100
HGEPUSR219	8"	DN200	219.1	291	261	M13	8000	50
HGEPUSR273	10"	DN250	273	369	329	M13	12500	30
HGEPUSR323	12"	DN300	323.8	420	380	M13	12500	30
HGEPUSR356	14"	DN350	355.6	456	416	M17	18000	10
HGEPUSR406	16"	DN400	406.4	506	466	M17	18000	10
HGEPUSR457	18"	DN450	457.2	581	531	M21	18000	5
HGEPUSR508	20"	DN500	508.2	632	582	M21	18000	5
HGEPUSR610	24"	DN600	609.6	734	684	M21	18000	5

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

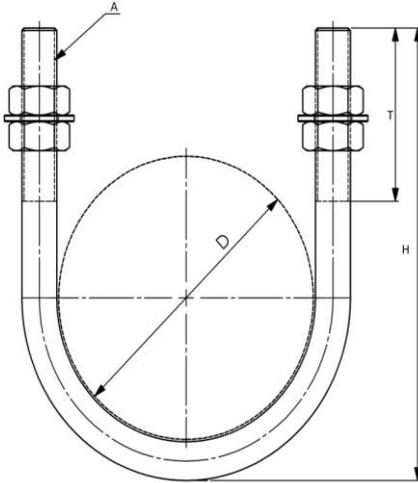
2. a. EP - MICRONS: 8μ - 15μ.

b. HDG - MICRONS : 70μ - 95μ.





## U BOLT



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* High load capacity due to one piece design.</li> <li>* Special U bolts with longer tangents and threads available on request.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Designed to meet MSS Standard SP-58, type 24 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size In.	Pipe OD (D) mm	Rod Size (A) mm	Height (H) mm	Thread Length (T) mm	Max Load (N)	Box Quantity	
HGEPUB022	½"	DN15	21.3	M10	65	50	6000	400
HGEPUB027	¾"	DN20	26.7	M10	77	50	6000	350
HGEPUB034	1"	DN25	33.4	M10	85	50	6000	300
HGEPUB042	1 ¼"	DN32	42.1	M10	93	50	6000	250
HGEPUB048	1 ½"	DN40	48.2	M10	100	50	6000	225
HGEPUB060	2"	DN50	60.3	M10	110	50	6000	200
HGEPUB073	2 ½"	DN65	73	M12	127	50	10000	150
HGEPUB090	3"	DN80	88.9	M12	140	50	10000	100
HGEPUB114	4"	DN100	114.3	M12	165	50	10000	80
HGEPUB141	5"	DN125	141.3	M12	190	50	10000	70
HGEPUB168	6"	DN150	168.3	M12	220	50	10000	60
HGEPUB219	8"	DN200	219.1	M16	295	75	20000	40
HGEPUB273	10"	DN250	273	M20	370	100	32500	20
HGEPUB323	12"	DN300	323.8	M20	420	100	32500	20
HGEPUB356	14"	DN350	355.6	M20	455	100	32500	5
HGEPUB406	16"	DN400	406.4	M20	505	100	32500	5
HGEPUB457	18"	DN450	457.2	M24	555	100	45000	5
HGEPUB508	20"	DN500	508.2	M24	605	100	45000	5
HGEPUB610	24"	DN600	609.6	M24	710	100	45000	5

**NOTE:-** 1. SIZES OF THE U BOLTS CAN BE MODIFIED TO BE USED WITH RUBBER SUPPORT INSERTS.

2. ALTERNATE ROD SIZES FOR DIFFERENT PIPE SIZES AVAILABLE ON REQUEST.

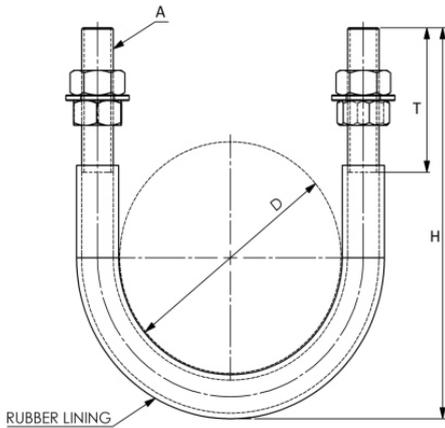
3. a. EP - MICRONS : 8μ - 15μ

b. HDG - MICRONS : 70μ - 95μ





## U BOLT WITH RUBBER LINING



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* High load capacity due to one piece design.</li> <li>* Special U bolts with longer tangents and threads available on request.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58, type 24 and SP-69.</li> <li>* Temperature resistance from -20 °C to +110 °C.</li> <li>* Noise insulating lining, EPDM, black.</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Rod Size (A) mm	Height (H) mm	Thread Length (T) mm	Max Load (N)	Microns (μ)	Box Quantity
	In.	mm							
HGEPUBR022	½"	DN15	21.3	M10	65	50	6000	8 -15	400
HGEPUBR027	¾"	DN20	26.7	M10	77	50	6000	8 -15	350
HGEPUBR034	1"	DN25	33.4	M10	85	50	6000	8 -15	300
HGEPUBR042	1 ¼"	DN32	42.1	M10	93	50	6000	8 -15	250
HGEPUBR048	1 ½"	DN40	48.2	M10	100	50	6000	8 -15	225
HGEPUBR060	2"	DN50	60.3	M10	110	50	6000	8 -15	200
HGEPUBR073	2 ½"	DN65	73	M12	127	50	10000	8 -15	150
HGEPUBR090	3"	DN80	88.9	M12	140	50	10000	8 -15	100
HGEPUBR114	4"	DN100	114.3	M12	165	50	10000	8 -15	80
HGEPUBR141	5"	DN125	141.3	M12	190	50	10000	8 -15	70
HGEPUBR168	6"	DN150	168.3	M12	220	50	10000	8 -15	60
HGEPUBR219	8"	DN200	219.1	M16	295	75	20000	8 -15	40
HGEPUBR273	10"	DN250	273	M20	370	100	32500	8 -15	20
HGEPUBR323	12"	DN300	323.8	M20	420	100	32500	8 -15	20
HGEPUBR356	14"	DN350	355.6	M20	455	100	32500	8 -15	5
HGEPUBR406	16"	DN400	406.4	M20	505	100	32500	8 -15	5
HGEPUBR457	18"	DN450	457.2	M24	555	100	45000	8 -15	5
HGEPUBR508	20"	DN500	508.2	M24	605	100	45000	8 -15	5
HGEPUBR610	24"	DN600	609.6	M24	710	100	45000	8 -15	5

**NOTE:-** 1. ALTERNATE ROD SIZES FOR DIFFERENT PIPE SIZES AVAILABLE ON REQUEST.





## HEAVY SADDLE



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For mounting plain or insulated pipes</li> <li>* Corner locking and better gripping of electrical conduits.</li> <li>* Easy to install because of light weight</li> <li>* Maximum temperature : 343°C (650°F)</li> </ul>
<b>Material:-</b>	Steel, other materials on request
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633</li> <li>* Designed to meet MSS Standard SP-58, type 26 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD(D) mm	Hole Size(S) mm	Max Load (N)	Microns (μ)	Box Quantity
	In.	mm					
HGEPUC027	¾"	DN20	26.7	M6	1250	8 -15	1200
HGEPUC034	1"	DN25	33.4	M6	1250	8 -15	1000
HGEPUC042	1 ¼"	DN32	42.1	M6	1250	8 -15	1000
HGEPUC048	1 ½"	DN40	48.2	M6	1250	8 -15	800
HGEPUC060	2"	DN50	60.3	M6	1250	8 -15	750
HGEPUC073	2 ½"	DN65	73	M6	1250	8 -15	700
HGEPUC090	3"	DN80	88.9	M6	1250	8 -15	600
HGEPUC114	4"	DN100	114.3	M6	1250	8 -15	500
HGEPUC141	5"	DN125	141.3	M6	1250	8 -15	400
HGEPUC168	6"	DN150	168.3	M6	1250	8 -15	250

NOTE:- 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.





## LIGHT SADDLE



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* It is recommended for supporting a piping system with vertically or horizontally to walls or ceilings.</li> <li>* Easy to install because of light weight.</li> <li>* Maximum temperature : 343°C (650°F).</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58, type 26 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size In.	mm	Pipe OD (D) mm	Hole Size (S) mm	Max Load (N)	Microns (μ)	Box Quantity
HGEPLS022	½"	DN15	21.3	M6.2	500	8 -15	2000
HGEPLS027	¾"	DN20	26.7	M6.2	500	8 -15	1750
HGEPLS034	1"	DN25	33.4	M6.2	500	8 -15	1500
HGEPLS042	1 ¼"	DN32	42.1	M6.2	500	8 -15	1250
HGEPLS048	1 ½"	DN40	48.2	M6.2	500	8 -15	1000
HGEPLS060	2"	DN50	60.3	M6.2	500	8 -15	800
HGEPLS073	2 ½"	DN65	73	M6.2	500	8 -15	750
HGEPLS090	3"	DN80	88.9	M6.2	500	8 -15	500
HGEPLS114	4"	DN100	114.3	M6.2	500	8 -15	300

NOTE:- 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.





## HALF SADDLE



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Recommended for support of standard conduit, cable and steel pipe on walls or sides of beams.</li> <li>* Not recommended for use horizontally on ceilings, bottoms safety of beams and similar installations since the factor of is greatly reduced when so used.</li> <li>* Maximum temperature : 343°C (650°F).</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58, type 26 and SP-69.</li> </ul>

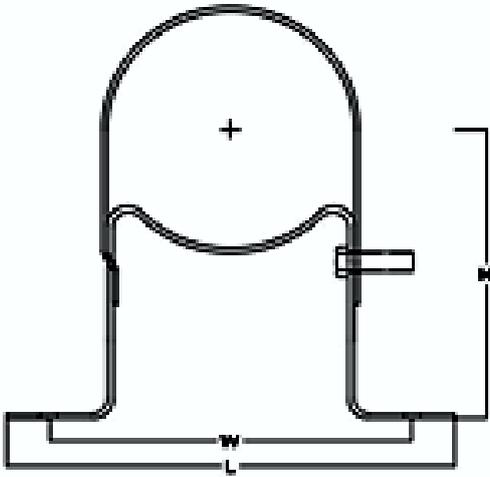
Product Code	Nominal Pipe Size		Pipe OD(D) mm	Hole Size(S) mm	Max Load (N)	Microns (μ)	Box Quantity
	In.	mm					
HGEPHS022	½"	DN15	21.3	M6.2	1250	8 -15	2000
HGEPHS027	¾"	DN20	26.7	M6.2	1250	8 -15	1600
HGEPHS034	1"	DN25	33.4	M6.2	1250	8 -15	1200
HGEPHS042	1 ¼"	DN32	42.1	M6.2	1250	8 -15	1000
HGEPHS048	1 ½"	DN40	48.2	M6.2	1250	8 -15	800
HGEPHS060	2"	DN50	60.3	M6.2	1250	8 -15	600

NOTE:- 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.





## OFFSET CLAMP



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Recommended for support of pipe lines running at a definite distance from the wall or structure.</li> <li>* Used where removing and installing of pipe is done periodically.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58, type 24 and SP-69.</li> </ul>

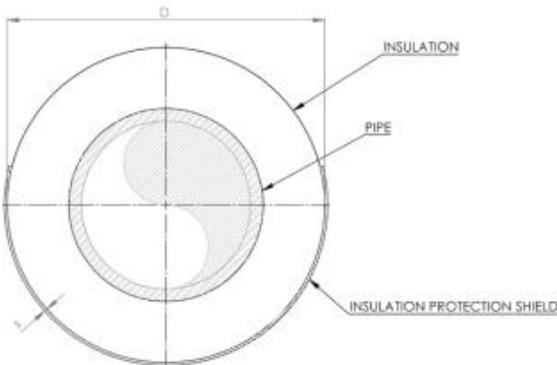
Product Code	Nominal Pipe Size		Pipe OD (D) mm	(L) mm	(W) mm	(H) mm	Bolt Size	Microns (μ)	Max Load (N)
	In.	mm							
HGEPOC028	¾"	DN20	26.7	87	57	83	M8	8 - 15	834
HGEPOC034	1"	DN25	33.4	94	64	83	M8	8 - 15	834
HGEPOC042	1 ¼"	DN32	42.1	102	72	83	M8	8 - 15	834
HGEPOC048	1 ½"	DN40	48.2	108	78	83	M8	8 - 15	1079
HGEPOC054	54 MM	-	54	114	84	83	M8	8 - 15	1128
HGEPOC060	2"	DN50	60.3	120	90	83	M8	8 - 15	1472
HGEPOC073	2 ½"	DN65	73	133	103	113	M8	8 - 15	1766
HGEPOC083	83 MM	-	83	143	113	113	M8	8 - 15	1864
HGEPOC090	3"	DN80	88.9	150	120	113	M8	8 - 15	1962
HGEPOC110	110 MM	-	110	170	140	113	M8	8 - 15	2109
HGEPOC114	4"	DN100	114.3	174	144	113	M8	8 - 15	2453
HGEPOC141	5"	DN125	141.3	201	171	138	M10	8 - 15	2943
HGEPOC160	160 MM	-	160	220	190	138	M10	8 - 15	3434
HGEPOC141	6"	DN150	168.3	228	198	138	M10	8 - 15	3679
HGEPOC219	8"	DN50	60.3	279	249	168	M12	8 - 15	3924

**NOTE:-** 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.





## PIPE PROTECTION SHIELD



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Used between hanger surface and to prevent crushing of insulation.</li> <li>* Ideal for protecting pipe insulation.</li> </ul>
<b>Material:-</b>	Steel
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Designed to meet MSS Standard SP-58, and SP-69 (Type 40).</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (mm)	Insulation (mm)
	Inch	mm		
HGEPPPS034-25	1"	DN 25	33.4	25
HGEPPPS034-32	1"	DN 25	33.4	32
HGEPPPS034-50	1"	DN 25	33.4	50
HGEPPPS042-25	1 1/4"	DN 32	42.2	25
HGEPPPS042-32	1 1/4"	DN 32	42.2	32
HGEPPPS042-50	1 1/4"	DN 32	42.2	50
HGEPPPS048-25	1 1/2"	DN 40	48.3	25
HGEPPPS048-32	1 1/2"	DN 40	48.3	32
HGEPPPS048-50	1 1/2"	DN 40	48.3	50
HGEPPPS060-25	2"	DN 50	60.3	25
HGEPPPS060-32	2"	DN 50	60.3	32
HGEPPPS060-50	2"	DN 50	60.3	50
HGEPPPS073-25	2 1/2"	DN 65	73	25
HGEPPPS073-32	2 1/2"	DN 65	73	32
HGEPPPS073-50	2 1/2"	DN 65	73	50
HGEPPPS089-25	3"	DN 80	88.9	25
HGEPPPS089-32	3"	DN 80	88.9	32
HGEPPPS089-50	3"	DN 80	88.9	50
HGEPPPS114-25	4"	DN 100	114.3	25
HGEPPPS114-32	4"	DN 100	114.3	25
HGEPPPS114-50	4"	DN 100	114.3	50
HGEPPPS141-25	5"	DN 125	141.3	25
HGEPPPS141-32	5"	DN 125	141.3	32
HGEPPPS141-50	5"	DN 125	141.3	50
HGEPPPS168-25	6"	DN 150	168.3	25
HGEPPPS168-32	6"	DN 150	168.3	32
HGEPPPS168-50	6"	DN 150	168.3	50
HGEPPPS219-25	8"	DN 200	219.1	25
HGEPPPS219-32	8"	DN 200	219.1	32
HGEPPPS219-50	8"	DN 200	219.1	50
HGEPPPS273-25	10"	DN 250	273.1	25
HGEPPPS273-32	10"	DN 250	273.1	32
HGEPPPS273-50	10"	DN 250	273.1	50

Product Code	Nominal Pipe Size		Pipe OD (mm)	Insulation (mm)
	Inch	mm		
HGEPPPS323-25	12"	DN 300	323.6	25
HGEPPPS323-32	12"	DN 300	323.6	32
HGEPPPS323-50	12"	DN 300	323.6	50
HGEPPPS356-25	14"	DN 350	355.6	25
HGEPPPS356-32	14"	DN 350	355.6	32
HGEPPPS356-50	14"	DN 350	355.6	50
HGEPPPS400-25	16"	DN 406	406.4	25
HGEPPPS400-32	16"	DN 406	406.4	32
HGEPPPS400-50	16"	DN 406	406.4	50
HGEPPPS457-25	18"	DN 450	457.2	25
HGEPPPS457-32	18"	DN 450	457.2	32
HGEPPPS457-50	18"	DN 450	457.2	50
HGEPPPS508-25	20"	DN 500	508	25
HGEPPPS508-32	20"	DN 500	508	32
HGEPPPS508-50	20"	DN 500	508	50
HGEPPPS556-25	22"	DN 550	558.8	25
HGEPPPS556-32	22"	DN 550	558.8	32
HGEPPPS556-50	22"	DN 550	558.8	50
HGEPPPS610-25	24"	DN 600	609.6	25
HGEPPPS610-32	24"	DN 600	609.6	32
HGEPPPS610-50	24"	DN 600	609.6	50
HGEPPPS660-25	26"	DN 650	660.4	25
HGEPPPS660-32	26"	DN 650	660.4	32
HGEPPPS660-50	26"	DN 650	660.4	50
HGEPPPS711-25	28"	DN 700	711.2	25
HGEPPPS711-32	28"	DN 700	711.2	32
HGEPPPS711-50	28"	DN 700	711.2	50
HGEPPPS762-25	30"	DN 750	762	25
HGEPPPS762-32	30"	DN 750	762	32
HGEPPPS762-50	30"	DN 750	762	50
HGEPPPS812-25	32"	DN 800	812.8	25
HGEPPPS812-32	32"	DN 800	812.8	32
HGEPPPS812-50	32"	DN 800	812.8	50

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

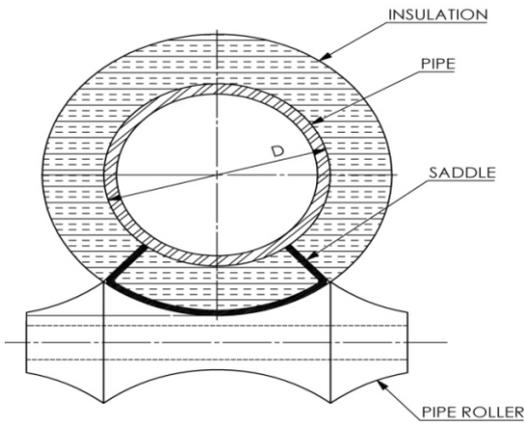
2. a. EP - MICRONS : 8μ - 15μ

b. HDG - MICRONS : 70μ - 95μ





## PIPE INSULATION SADDLE



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Recommended to be used with insulated pipes</li> <li>* Protects the pipe insulation over pipes lines</li> <li>* Length : 300 mm</li> </ul>
<b>Material:-</b>	Steel
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633</li> <li>* Galvanized as per ASTM A 123 / A 123M</li> <li>* Designed to meet MSS Standard SP-58, and SP-69 (Type 39 and 39B)</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (mm)	Insulation (mm)	Max Load (N)
	Inch	mm			
HGEPPIS034-25	1"	DN 25	33.4	25	3500
HGEPPIS034-50	1"	DN 25	33.4	50	3500
HGEPPIS042-25	1 1/4"	DN 32	42.2	25	3500
HGEPPIS042-50	1 1/4"	DN 32	42.2	50	3500
HGEPPIS048-25	1 1/2"	DN 40	48.3	25	3500
HGEPPIS048-50	1 1/2"	DN 40	48.3	50	3500
HGEPPIS060-25	2"	DN 50	60.3	25	3500
HGEPPIS060-50	2"	DN 50	60.3	50	3500
HGEPPIS060-75	2"	DN 50	60.3	75	3500
HGEPPIS073-25	2 1/2"	DN 65	73	25	6000
HGEPPIS073-50	2 1/2"	DN 65	73	50	6000
HGEPPIS073-75	2 1/2"	DN 65	73	75	6000
HGEPPIS089-25	3"	DN 80	88.9	25	6000
HGEPPIS089-50	3"	DN 80	88.9	50	6000
HGEPPIS089-75	3"	DN 80	88.9	75	6000
HGEPPIS114-25	4"	DN 100	114.3	25	6000
HGEPPIS114-50	4"	DN 100	114.3	50	6000
HGEPPIS114-75	4"	DN 100	114.3	75	6000
HGEPPIS141-25	5"	DN 125	141.3	25	9500
HGEPPIS141-50	5"	DN 125	141.3	50	9500
HGEPPIS141-75	5"	DN 125	141.3	75	9500
HGEPPIS168-25	6"	DN 150	168.3	25	9500
HGEPPIS168-50	6"	DN 150	168.3	50	9500
HGEPPIS168-75	6"	DN 150	168.3	75	9500
HGEPPIS219-25	8"	DN 200	219.1	25	9500
HGEPPIS219-50	8"	DN 200	219.1	50	9500
HGEPPIS219-75	8"	DN 200	219.1	75	9500
HGEPPIS273-25	10"	DN 250	273.1	25	12500
HGEPPIS273-50	10"	DN 250	273.1	50	12500
HGEPPIS273-75	10"	DN 250	273.1	75	12500
HGEPPIS323-25	12"	DN 300	323.6	25	12500
HGEPPIS323-50	12"	DN 300	323.6	50	12500
HGEPPIS323-75	12"	DN 300	323.6	75	12500

Product Code	Nominal Pipe Size		Pipe OD (mm)	Insulation (mm)	Max Load (N)
	Inch	mm			
HGEPPIS356-25	14"	DN 350	355.6	25	29000
HGEPPIS356-50	14"	DN 350	355.6	50	29000
HGEPPIS356-75	14"	DN 350	355.6	75	29000
HGEPPIS400-50	16"	DN 406	406.4	50	29000
HGEPPIS400-75	16"	DN 406	406.4	75	29000
HGEPPIS457-50	18"	DN 450	457.2	50	29000
HGEPPIS457-75	18"	DN 450	457.2	75	29000
HGEPPIS508-50	20"	DN 500	508	50	29000
HGEPPIS508-75	20"	DN 500	508	75	29000
HGEPPIS610-50	24"	DN 600	609.6	50	45000
HGEPPIS610-75	24"	DN 600	609.6	75	45000
HGEPPIS762-50	30"	DN 750	762	50	45000
HGEPPIS762-75	30"	DN 750	762	75	45000

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

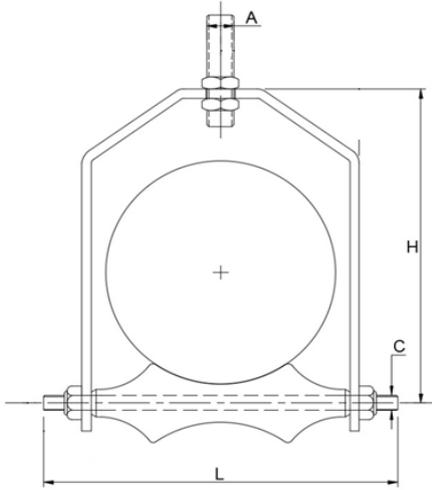
2. a. EP - MICRONS : 8μ - 15μ

b. HDG - MICRONS : 70μ - 95μ





## ADJUSTABLE ROLLER HANGER



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For support of pipe where horizontal movement due to expansion and contraction may occur.</li> <li>* Vertical adjustment up to 6" is possible.</li> </ul>
<b>Material:-</b>	<ul style="list-style-type: none"> <li>Bracket : Steel</li> <li>Roller : Solid steel shaft</li> </ul>
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Designed to meet MSS Standard SP-58-2002, type 43 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Dimensions (mm)			Max Load (N)
	In.	mm		A	C x L	H	
HGEPARH060	2"	DN50	60.3	M12	M12 X 115	105	2100
HGEPARH073	2 ½"	DN65	73	M12	M12 X 125	125	2100
HGEPARH090	3"	DN80	88.9	M12	M12 X 145	140	2100
HGEPARH101	3 ½"	DN90	101.6	M16	M12 X 160	155	2100
HGEPARH114	4"	DN100	114.3	M16	M12 X 175	170	2900
HGEPARH141	5"	DN125	141.3	M20	M12 X 200	200	5500
HGEPARH168	6"	DN150	168.3	M20	M20 X 245	230	5500
HGEPARH219	8"	DN200	219.1	M20	M24 X 305	290	6000
HGEPARH273	10"	DN250	273	M24	M24 X 365	350	6000
HGEPARH323	12"	DN300	323.8	M24	M24 X 425	400	7500
HGEPARH356	14"	DN350	355.6	M24	M24 X 460	445	7500
HGEPARH406	16"	DN400	406.4	M24	M24 X 515	500	7500
HGEPARH457	18"	DN450	457.2	M30	M33 X 580	555	7500
HGEPARH508	20"	DN500	508.2	M30	M33 X 630	610	9000
HGEPARH610	24"	DN600	609.6	M30	M52 X 780	725	11000
HGEPARH661	26"	DN650	661	M36	M52 X 845	785	11000
HGEPARH712	28"	DN700	712	M36	M52 X 895	840	11000
HGEPARH755	30"	DN750	755	M36	M52 X 940	885	11000

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

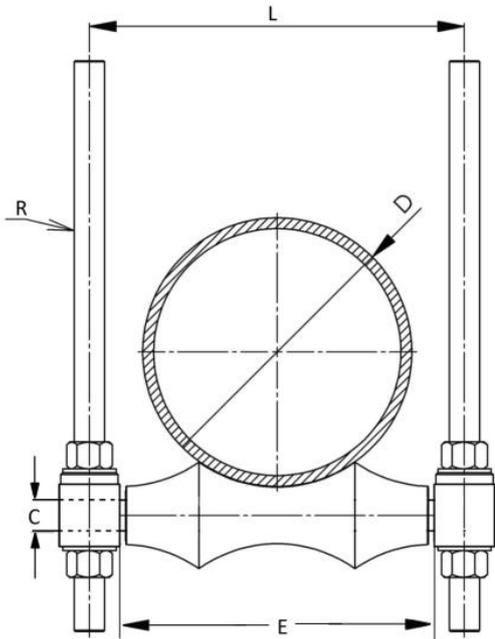
2. a. EP - MICRONS : 8μ - 15μ

b. HDG - MICRONS : 70μ - 95μ





## PIPE ROLLER



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For support of pipes to provide axial movement.</li> <li>* Multiple pipe installations possible by using two rollers.</li> <li>* Versatile design permits axial movement of pipe due to expansion and contraction.</li> <li>* Standard installation would support a single pipe and design permits installation of two pipes in double banking arrangement. In such cases ensure that the total weight of the installation is less than the maximum load of the roller as mentioned in the table.</li> <li>* Insulation protection products such as Rubber Support Inserts, Insulation Protection Shields and Pipe Covering Protection Saddles can be used with Pipe Rollers.</li> </ul>
<b>Material:-</b>	<p>Bracket : Steel Roller : Solid steel shaft</p>
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Designed to meet MSS Standard SP-58-2002, type 44 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Dimensions (mm)			Max Load (N)
	In.	mm		E	C x L	R	
HGEPPR060	2"	DN50	60.3	70	M12 x 115	M12	3500
HGEPPR073	2 ½"	DN65	73	83	M12 x 125	M12	3500
HGEPPR090	3"	DN80	88.9	99	M12 x 145	M12	3500
HGEPPR101	3 ½"	DN90	101.6	112	M12 x 160	M12	3500
HGEPPR114	4"	DN100	114.3	125	M12 x 175	M12	5000
HGEPPR141	5"	DN125	141.3	152	M12 x 200	M12	5000
HGEPPR168	6"	DN150	168.3	179	M20 x 245	M16	5000
HGEPPR219	8"	DN200	219.1	231	M24 x 305	M16	12500
HGEPPR273	10"	DN250	273	285	M24 x 365	M20	12500
HGEPPR323	12"	DN300	323.8	336	M24 x 425	M20	15000
HGEPPR356	14"	DN350	355.6	368	M24 x 460	M24	15000
HGEPPR406	16"	DN400	406.4	419	M24 x 515	M24	20000
HGEPPR457	18"	DN450	457.2	470	M33 x 580	M32	35000
HGEPPR508	20"	DN500	508.2	520	M33 x 630	M32	35000
HGEPPR610	24"	DN600	609.6	626	M52 x 780	M36	50000
HGEPPR661	26"	DN650	661	679	M52 x 845	M36	50000
HGEPPR712	28"	DN700	712	732	M52 x 895	M36	50000
HGEPPR755	30"	DN750	755	778	M52 x 940	M36	50000

NOTE:- 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.

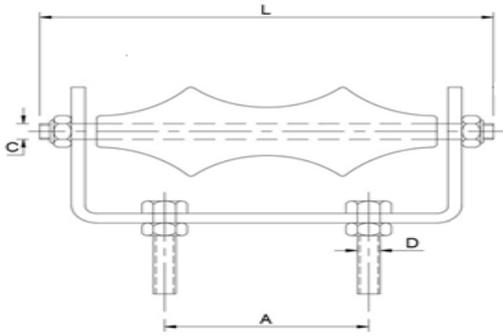
2. a. EP - MICRONS : 8μ - 15μ

b. HDG - MICRONS : 70μ - 95μ





## ROLLER CHAIR



### FEATURES AND BENEFITS.

<b>Description:-</b>	* For support of pipe where horizontal movement due to expansion and contraction may occur.
<b>Material:-</b>	Bracket : Mild Steel Roller : MILD STEEL / CAST IRON
<b>Special:-</b>	* Electro galvanized as per ASTM B 633. * Galvanized as per ASTM A 123 / A 123M. * Designed to meet MSS Standard SP-58-2002, type 44 and SP-69.

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Dimensions (mm)			Max Load (N)
	In.	mm		A	C x L	D	
HGEPRC034	1"	DN25	33.4	20	M10 x 90	M12 x 50	4000
HGEPRC060	2"	DN50	60.3	35	M12 x 115	M12 x 50	6700
HGEPRC073	2 ½"	DN65	73	35	M12 x 125	M12 x 50	10000
HGEPRC090	3"	DN80	88.9	50	M12 x 145	M12 x 50	13800
HGEPRC101	3 ½"	DN90	101.6	50	M12 x 160	M12 x 50	17300
HGEPRC114	4"	DN100	114.3	50	M12 x 175	M16 X 75	21100
HGEPRC141	5"	DN125	141.3	75	M12 x 200	M16 X 75	30400
HGEPRC168	6"	DN150	168.3	80	M20 x 245	M16 X 75	34700
HGEPRC219	8"	DN200	219.1	85	M24 x 305	M20 X 100	34700
HGEPRC273	10"	DN250	273	130	M24 x 365	M20 X 100	42900
HGEPAR323	12"	DN300	323.8	140	M24 x 425	M20 X 100	53400
HGEPRC356	14"	DN350	355.6	165	M24 x 460	M24 X 100	53400
HGEPRC406	16"	DN400	406.4	210	M24 x 515	M24 X 100	53400
HGEPRC457	18"	DN450	457.2	235	M33 x 580	M24 X 100	62300
HGEPRC508	20"	DN500	508.2	260	M33 x 630	M24 X 100	71100
HGEPRC610	24"	DN600	609.6	310	M52 x 780	M24 X 100	71100
HGEPRC661	26"	DN650	661	335	M52 x 845	M24 X 100	76000
HGEPRC712	28"	DN700	712	360	M52 x 895	M24 X 100	76000
HGEPRC755	30"	DN750	755	385	M52 x 940	M24 X 100	80000

NOTE:- 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.

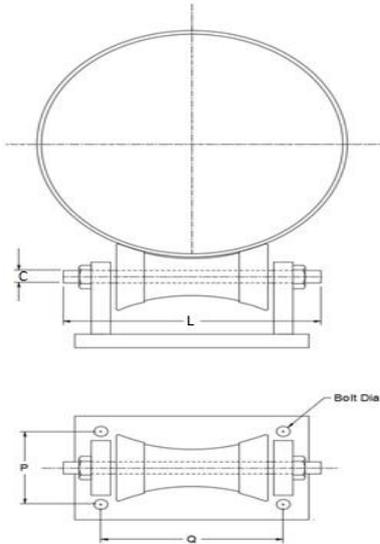
2. a. EP - MICRONS : 8μ - 15μ.

b. HDG - MICRONS : 70μ - 95μ.





## ROLLER STAND



### FEATURES AND BENEFITS.

<b>Description:-</b>	* For support of pipe where horizontal movement due to expansion and contraction may occur.
<b>Material:-</b>	Bracket : Mild Steel Roller : MILD STEEL / CAST IRON
<b>Special:-</b>	* Electro galvanized as per ASTM B 633. * Galvanized as per ASTM A 123 / A 123M. * Designed to meet MSS Standard SP-58-2002, type 44 and SP-69.

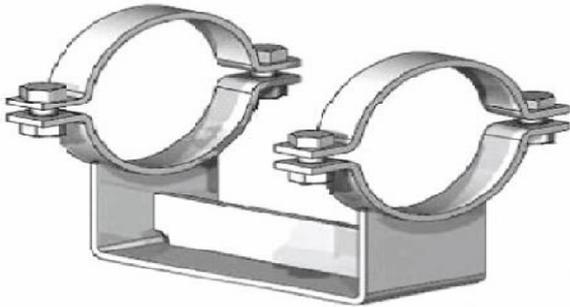
Product Code	Nominal Pipe Size		Pipe OD (D) mm	P	Dimensions (mm)			Max Load (N)
	In.	mm			Q	C x L	Bolt Dia	
HGEPRS060	2"	DN50	60.3	100	40	M12 X 80	16	5500
HGEPRS073	2 ½"	DN65	73	100	48	M12 X 90	16	5500
HGEPRS090	3"	DN80	88.9	100	55	M12 X 95	16	5500
HGEPRS101	3 ½"	DN90	101.6	100	61	M12 X 100	16	5500
HGEPRS114	4"	DN100	114.3	115	72	M12 X 115	16	13000
HGEPRS141	5"	DN125	141.3	115	85	M12 X 130	16	13000
HGEPRS168	6"	DN150	168.3	125	100	M20 X160	16	13000
HGEPRS219	8"	DN200	219.1	130	125	M24 X 190	20	17500
HGEPRS273	10"	DN250	273	130	155	M24 X 225	20	17500
HGEPRS323	12"	DN300	323.8	130	180	M24 X 260	20	35000
HGEPRS356	14"	DN350	355.6	130	197	M24 X 275	20	35000
HGEPRS406	16"	DN400	406.4	165	220	M24 X 300	24	52500
HGEPRS457	18"	DN450	457.2	165	250	M33 X 345	24	52500
HGEPRS508	20"	DN500	508.2	165	275	M33 X 370	24	52500
HGEPRS610	24"	DN600	609.6	190	330	M52 X 480	24	65000
HGEPRS661	26"	DN650	661	200	355	M52 X 500	30	84500
HGEPRS712	28"	DN700	712	200	385	M52 X 530	30	84500
HGEPRS755	30"	DN750	755	200	405	M52 X 550	30	84500

- NOTE:-** 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.  
2. a. EP - MICRONS : 8μ - 15μ  
b. HDG - MICRONS : 70μ - 95μ





## SLIDING PIPE SUPPORT



### FEATURES AND BENEFITS.

<b>Material:-</b>	Mild Steel, other material on request
<b>Special:-</b>	* Galvanized ASTM A 123 / A 123M * Temperature resistance up to 300 °C

Product Code	Nominal Pipe Size		PIPE OD (mm)	Insulation Thickness (mm)	Outside Diameter (mm)	Width (mm)	Thickness (mm)	Height (mm)	Length of Guide (mm)	Hole Diameter (mm)	Max Load (N)
	In.	mm									
HGEPSPS219	8"	DN200	219.1		219.1	50	8	107	290	M 16	29000
HGEP32SPS219	----	DN200		32 MM	283.1	50	8	107	290	M 16	29000
HGEP50SPS219	----	DN200		50 MM	319.1	50	8	142	290	M 16	29000
HGEPSPS250	10"	DN250	273.1	-	273.1	50	8	107	290	M 16	29000
HGEP32SPS273	----	DN250		32 MM	337.1	50	8	107	290	M 16	29000
HGEP50SPS273	----	DN250		50 MM	373.1	50	8	142	290	M 16	29000
HGEPSPS324	12"	DN300	323.8	-	323.8	50	8	107	290	M 16	29000
HGEP32SPS324	----	DN300		32 MM	387.8	60	8	107	290	M 16	34000
HGEP50SPS324	----	DN300		50 MM	423.8	60	8	142	290	M 16	34000
HGEPSPS356	14"	DN350	355.6	-	355.6	60	8	142	290	M 16	34000
HGEP32SPS356	----	DN350		32 MM	419.6	60	8	142	290	M 16	34000
HGEP50SPS356	----	DN350		50 MM	455.6	60	8	192	290	M 16	34000
HGEPSPS406	16"	DN400	406.4	-	406.4	60	8	142	290	M 16	34000
HGEP32SPS406	----	DN400		32 MM	470.4	60	8	142	290	M 16	34000
HGEP50SPS406	----	DN400		50 MM	506.4	60	8	192	290	M 16	34000
HGEPSPS457	18"	DN450	457.2	-	457.2	60	8	142	290	M 16	34000
HGEP32SPS457	----	DN450		32 MM	521.2	75	10	142	290	M 16	44000
HGEP50SPS457	----	DN450		50 MM	557.2	75	10	192	290	M 16	44000
HGEPSPS508	20"	DN500	508	-	508	75	10	142	290	M 16	44000
HGEP32SPS508	----	DN500		32 MM	572	75	10	142	290	M 16	44000
HGEP50SPS508	----	DN500		50 MM	608	75	10	192	290	M 16	44000
HGEPSPS610	24"	DN600	609.6	-	609.6	75	10	142	290	M 16	44000
HGEP32SPS610	----	DN600		32 MM	673.6	75	10	142	290	M 16	44000
HGEP50SPS610	----	DN600		50 MM	709.6	75	10	192	290	M 16	44000

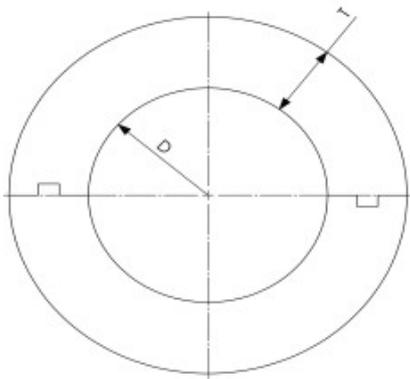
**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 8μ - 15μ
- b. HDG - MICRONS : 70μ - 95μ





## RUBBER SUPPORT INSERTS FOR GI PIPES



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Used at the supporting points of insulated pipes to prevent crushing of insulation.</li> <li>* Very high load bearing capacity.</li> <li>* Dimensionally accurate as piece is moulded.</li> <li>* Excellent resistance to deterioration/ distortion.</li> </ul>
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Density:- 1100 - 1600 kg/m<sup>3</sup></li> <li>* Thermal Conductivity :- 0.16 w/m Temperature</li> <li>* Resistance from -20 °C to + 110 °C</li> <li>* Designed to meet BS3974-1 : 1974</li> </ul>

### Standard B Dimension

Upto 2"	:- 25 mm
2 1/2" to 5"	:- 38 mm
6" and Above	:- 50 mm

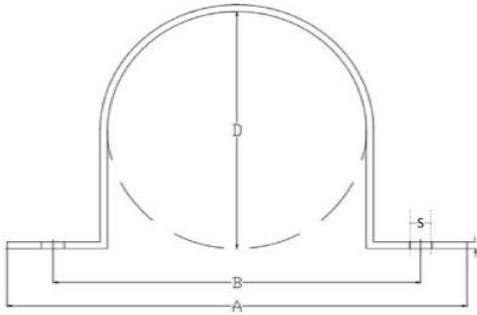
Sr. No.	Nominal Pipe Size		Pipe OD (D) mm	(T) 13MM	(T) 19mm	(T) 25mm	(T) 32mm	(T) 38mm	(T) 50mm	(T) 65mm	(T) 75mm
	In.	mm									
1	½"	DN15	21.3	FG13RSI022	FG19RSI022	FG25RSI022	FG32RSI022	FG38RSI022	FG50RSI022	FG65RSI022	FG75RSI022
2	¾"	DN20	26.7	FG13RSI028	FG19RSI028	FG25RSI028	FG32RSI028	FG38RSI028	FG50RSI028	FG65RSI028	FG75RSI028
3	1"	DN25	33.4	FG13RSI034	FG19RSI034	FG25RSI034	FG32RSI034	FG38RSI034	FG50RSI034	FG65RSI034	FG75RSI034
4	1 ¼"	DN32	42.1	FG13RSI042	FG19RSI042	FG25RSI042	FG32RSI042	FG38RSI042	FG50RSI042	FG65RSI042	FG75RSI042
5	1 ½"	DN40	48.2	FG13RSI048	FG19RSI048	FG25RSI048	FG32RSI048	FG38RSI048	FG50RSI048	FG65RSI048	FG75RSI048
6	2"	DN50	60.3	FG13RSI060	FG19RSI060	FG25RSI060	FG32RSI060	FG38RSI060	FG50RSI060	FG65RSI060	FG75RSI060
7	2 ½"	DN65	73	FG13RSI073	FG19RSI073	FG25RSI073	FG32RSI073	FG38RSI073	FG50RSI073	FG65RSI073	FG75RSI073
8	3"	DN80	88.9	FG13RSI090	FG19RSI090	FG25RSI090	FG32RSI090	FG38RSI090	FG50RSI090	FG65RSI090	FG75RSI090
9	3 1/2"	DN90	101.6	FG13RSI102	FG19RSI102	FG25RSI102	FG32RSI102	FG38RSI102	FG50RSI102	FG65RSI102	FG75RSI102
10	4"	DN100	114.3	FG13RSI114	FG19RSI114	FG25RSI114	FG32RSI114	FG38RSI114	FG50RSI114	FG65RSI114	FG75RSI114
11	5"	DN125	141.3	FG13RSI141	FG19RSI141	FG25RSI141	FG32RSI141	FG38RSI141	FG50RSI141	FG65RSI141	FG75RSI141
12	6"	DN150	168.3	FG13RSI168	FG19RSI168	FG25RSI168	FG32RSI168	FG38RSI168	FG50RSI168	FG65RSI168	FG75RSI168
13	8"	DN200	219.1	FG13RSI219	FG19RSI219	FG25RSI219	FG32RSI219	FG38RSI219	FG50RSI219	FG65RSI219	FG75RSI219
14	10"	DN250	273.1	FG13RSI273	FG19RSI273	FG25RSI273	FG32RSI273	FG38RSI273	FG50RSI273	FG65RSI273	FG75RSI273
15	12"	DN300	323.8	FG13RSI323	FG19RSI323	FG25RSI323	FG32RSI323	FG38RSI323	FG50RSI323	FG65RSI323	FG75RSI323
16	14"	DN350	355.6	FG13RSI356	FG19RSI356	FG25RSI356	FG32RSI356	FG38RSI356	FG50RSI356	FG65RSI356	FG75RSI356
17	16"	DN400	406.4	FG13RSI406	FG19RSI406	FG25RSI406	FG32RSI406	FG38RSI406	FG50RSI406	FG65RSI406	FG75RSI406
18	18"	DN450	457.2	FG13RSI457	FG19RSI457	FG25RSI457	FG32RSI457	FG38RSI457	FG50RSI457	FG65RSI457	FG75RSI457
19	20"	DN500	508	FG13RSI508	FG19RSI508	FG25RSI508	FG32RSI508	FG38RSI508	FG50RSI508	FG65RSI508	FG75RSI508
20	24"	DN600	609.6	FG13RSI610	FG19RSI610	FG25RSI610	FG32RSI610	FG38RSI610	FG50RSI610	FG65RSI610	FG75RSI610

**NOTE:-** 1. NON STANDARD WIDTH ARE ALSO AVAILABLE, THE SIZES LISTED ABOVE ARE OUR STANDARD SIZES, WE ALSO MAKE CUSTOM SIZES.  
2. WE ALSO MAKE ALL CLAMPS TO FIT ABOVE RSI, LIKE CLEVIS HANGER, SPRINKLER HANGER, U STRAP, U BOLTS, NUT CLAMPS & ETC.





U STRAP FOR RSI19 MM INSULATION THICKNESS



FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For mounting plain or insulated pipes.</li> <li>* Can be used with Rubber Support Inserts.</li> <li>* Slotted hole same as used u strap.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Designed to meet MSS Standard SP-58, type 26 and SP-69.</li> </ul>

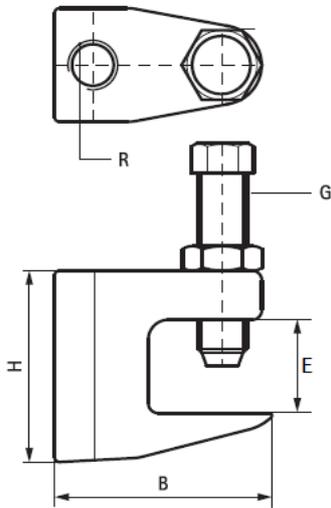
Product Code	RSI Size	RSI OD mm	U Strap Size mm	Overall Dimension (A) mm	Distance Between Two Bolt (B) mm	Hole Size (S) mm	Max Load (N)	Microns (μ)	Box Quantity
HGHGUS064	¾" X 19 mm	64.7	64	114	89	11	6000	70 - 95	200
HGHGUS072	1" X 19 mm	71.4	72	122	97	11	6000	8 -15	200
HGHGUS080	1 ¼" X 19 mm	80.1	80	130	105	11	6000	8 -15	150
HGHGUS086	1 ½" X 19 mm	86.2	86	136	111	11	6000	8 -15	150
HGHGUS98	2" X 19 mm	98.3	98	148	123	11	6000	8 -15	150
HGHGUS111	2 ½" X 19 mm	111	111	161	136	11	6000	8 -15	150
HGHGUS127	3" X 19 mm	126.9	127	177	152	11	6000	8 -15	125
HGHGUS139	3 1/2" X 19 mm	139	139	189	164	11	6000	8 -15	100
HGHGUS152	4" X 19 mm	152	152	202	177	11	8000	8 -15	75
HGHGUS179	5" X 19 mm	179	179	239	209	11	8000	8 -15	75
HGHGUS206	6" X 19 mm	206.3	206	266	236	11	8000	8 -15	50
HGHGUS257	8" X 19 mm	257.1	257	317	287	11	12500	8 -15	50
HGHGUS311	10" X 19 mm	311.1	311	381	346	13	12500	8 -15	5
HGHGUS361	12" X 19 mm	361	361	431	396	13	18000	70 - 95	5

NOTE:- 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.





## BEAM CLAMP



### FEATURES AND BENEFITS.

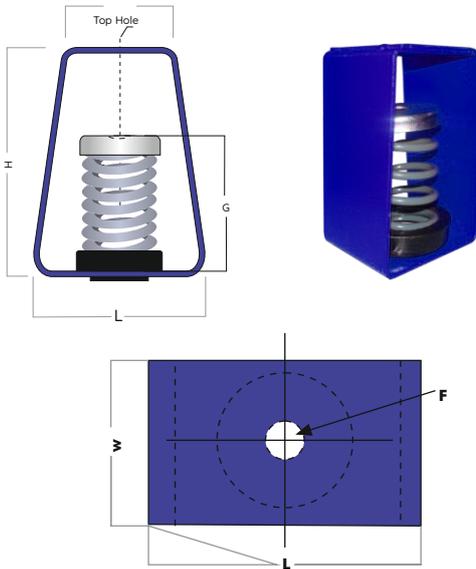
<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For sprinkler systems, heating, ventilation and air conditioning, acoustic tubes and sanitary installations.</li> <li>* Hexagon threaded head screw DIN938.</li> <li>* Threaded with Cup Point (RS) according to EN ISO 4753 and lock nut.</li> <li>* For a solid fixing to steel connections up to 22mm flange thickness without welding or drilling.</li> </ul>
<b>Material:-</b>	Malleable Iron, ASTM A47 Grade 32510
<b>Special:-</b>	* Electro galvanized casting tolerance according to DIN 1684

Product Code	Size (G)	Rod ( R )	B mm	E mm	Height (H) mm	Max Load (N)	Microns (μ)	Box Quantity
<b>Metric Size</b>								
HGEPBM08	M8	M8	50	21	45	1200	8 - 15	100
HGEPBM10	M10	M10	50	21	47	2500	8 - 15	80
HGEPBM12	M12	M12	58	25	53	3500	8 - 15	75
HGEPBM16	M16	M16	58	27	58	5500	8 - 15	60
<b>Imperial Size</b>								
HGEPBM516	5/16"	5/16"	1.88	0.75	1.56	1200	8 - 15	100
HGEPBM38	3/8"	3/8"	1.88	0.75	1.56	2500	8 - 15	80
HGEPBM012	1/2"	1/2"	2.06	0.75	1.63	3500	8 - 15	75
HGEPBM58	5/8"	5/8"	2.19	0.75	1.75	5500	8 - 15	60
HGEPBM34	3/4"	3/4"	2.38	0.75	1.75	7500	8 - 15	50





## SPRING HANGER



### Features:-

- FGSH Spring Hangers consist of freestanding, laterally stable steel springs in series with a molded elastomeric element assembled into a stamped and welded hanger bracket. The hanger brackets and the springs are powder coated. Spring vibration isolation hangers are designed to provide high efficiency isolation from structure-borne vibration and noise.
- Springs are color-coded and in compliance with ASHRAE guidelines, springs are designed with a horizontal stiffness of at least 100% of the vertical stiffness, to ensure stability. This is achieved through high spring diameter to operating height ratios - 0.85 to 1.0 (as against the minimum of 0.80 required by ASHRAE).

### Applications:-

- FGSH Hangers are used to isolate suspended sources of both noise and vibration. Suspended mechanical equipment such as air handling units, FCU's cabinet fans, piping and ductwork in close proximity to rotating mechanical equipment are typical applications of model FGSH hangers.

**Compliance - Springs designed according to BS 1726 (Part 1) and recommendations made by SAE (US) and ASHRAE**

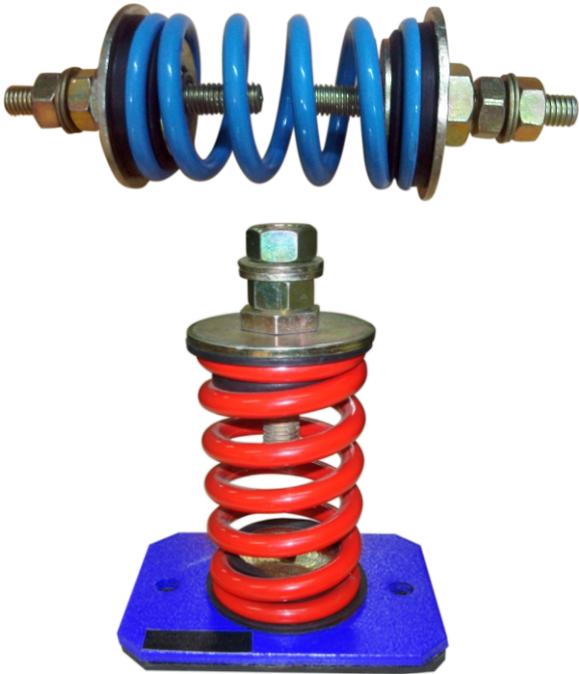
ISOLATOR MODEL	COLOR CODE	RATED LOAD (kg)	DEFLECTION (mm)	M (mm)	L (mm)	W (mm)	H (mm)	F (mm)	TOP HOLE (mm)	G (mm)
FGSH 20/15	WHITE	15	20	53	57	38	70	10	12	44
FGSH 20/30	YELLOW	30	20	53	57	38	70	10	12	44
FGSH 20/50	PURPLE	50	20	53	57	38	70	10	12	44
FGSH 25/10	PURPLE	10	25	53	62	52	100	12	13	70
FGSH 25/15	YELLOW	15	25	53	62	52	100	12	13	70
FGSH 25/20	GREY	20	25	53	62	52	100	12	13	70
FGSH 25/40	LIGHT BLUE	40	25	53	62	52	100	12	13	70
FGSH 25/60	GREEN	60	25	53	62	52	100	12	13	70
FGSH 15/100		100	15	83	90	65	125	14	15	79
FGSH 25/100	GREEN	100	25	83	90	65	125	14	15	79
FGSH 25/160	ORANGE	160	25	83	90	65	125	14	15	79
FGSH 25/200	RED	200	25	83	90	65	125	14	15	79
FGSH 25/250	PURPLE	250	25	83	90	65	125	14	15	79
FGSH 25/300	GREY	300	25	102	112	95	165	18	19	104
FGSH 25/400	ORANGE	400	25	102	112	95	165	18	19	104
FGSH 25/500	BROWN	500	25	102	112	95	165	18	19	104
FGSH 25/600	BLACK	600	25	102	112	95	165	18	19	104
FGSH 25/800	RED	800	25	102	112	95	165	18	19	104
FGSH 25/1050	WHITE	1050	25	102	112	95	165	18	19	104
FGSH 25/1250	GREEN	1250	25	102	112	95	165	18	19	104

- NOTE:-**
1. Due to policy of continual improvement, the specifications are subject to change without prior notice.
  2. Measurements are subject to 5% tolerance.
  3. To achieve good sound suppression do not over load fitting.





## OPEN SPRING MOUNTINGS



### Features:-

- Unique expanding rubber and fixing of spring which also provides high frequency attenuation.
- Nominal 20, 25 & 50 mm deflection colour coded springs with 50% overload capacity.
- Can be bolted to supporting structure or free standing on 6mm thick ribbed rubber pad.
- Fully height adjustable.
- Zinc plated metals.
- No snubbing gives maximum efficiency.
- This unique range of open spring mounting uses an integral rubber end fixing of the spring which sets them apart from all other designs. Loose springs and plates are now history and high frequency and noise attenuation is provided regardless of whether rubber seating pad is used or not.
- Originally designed for use with type IPF Inertia Pouring Frames, the FGOS Mountings are now widely used to isolate vibration from every conceivable type of rotating and reciprocating machine. Some examples being air handling units, axial and centrifugal fans, low level pipe work, ductwork, condensing units, pumps, generating sets, chillers, etc. Where control of transient motion is required open spring mountings can be used in conjunction with our Viscous Dampers Type FGVD.

### Isolation Efficiency at Typical Machine Speeds

M/C Speed (rpm)	EFFICIENCY %		
	15mm DEFL	25mm DEFL	50mm DEFL
300	do not use	34.0	75.2
500	68.7	83.3	92.3
750	88.1	93.2	96.7
1000	93.7	96.3	98.2
1200	95.5	97.4	98.7
1500	97.3	98.4	99.2
1750	98.0	99.8	99.4
2000	98.5	99.1	99.5

Size	LOAD RANGE (kg)	NOMINAL DEFLECTION (mm)
FGOSB	10-100	20
FGOS25	30-2300	25
FGOS50	100-1300	50

This above figures are theoretical values only based on the vertical natural frequency of the spring system assuming in infinitely stiff structural supports. The effects of high frequency spring coil resonances on low frequency performance are also ignored.

**Compliance - Springs designed according to BS 1726 (Part 1) and recommendations made by SAE (US) and ASHRAE**

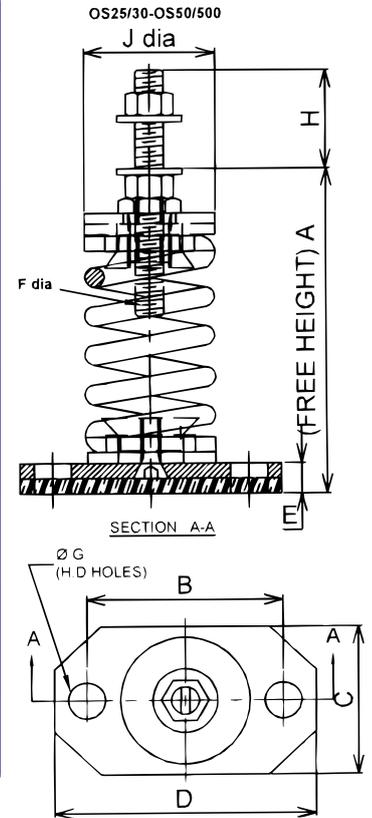
- NOTE:-**
1. Due to policy of continual improvement, the specifications are subject to change without prior notice.
  2. Measurements are subject to 5% tolerance.
  3. To achieve good sound suppression do not over load fitting.



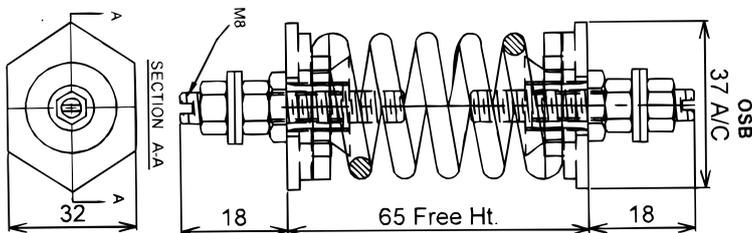
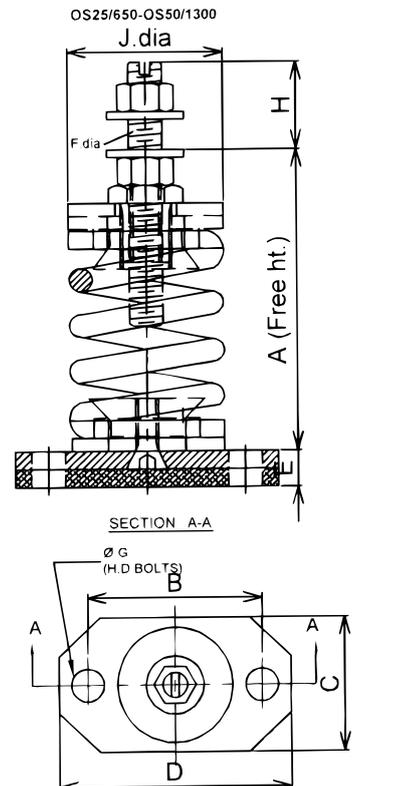


## DESIGN DATA & DIMENSIONS

PART NO.	COLOUR CODE	RATED LOAD (KG)	DEFLECTION AT RATED	DIMENSIONS (mm)									
				A	B	C	D	E	F	G	H	J	
FGOS25/30	Yellow	30	25										
FGOS25/60	Green	60	25										
FGOS25/100	Blue	100	25	115	85	70	110	10	M10	10	20	55	
FGOS25/160	White	160	25										
FGOS25/250	Red	250	25										
FGOS25/200	Red	200	25										
FGOS25/300	Purple	300	25										
FGOS25/400	Grey	400	25										
FGOS25/500	Orange	500	25	160	110	100	140	11	M16	12	27	75	
FGOS25/600	Brown	600	25										
FGOS25/700	Orange	700	25										
FGOS25/800	Black	800	25										
FGOS50/100	Yellow	100	50										
FGOS50/200	Green	200	50										
FGOS50/300	Blue	300	50	188	110	100	140	11	M16	12	27	75	
FGOS50/400	White	400	50										
FGOS50/500	Black	500	50										
FGOS25/650	Yellow	650	26										
FGOS25/850	Green	850	27	182	110	100	140	11	M16	12	27	75	
FGOS25/1050	Blue	1050	26										
FGOS25/1250	White	1250	26										
FGOS25/1300	Red	1300	27										
FGOS25/1600	Purple	1600	25	225	210	150	250	18	M24	16	51	75	
FGOS25/2000	Grey	2000	26										
FGOS25/2300	Brown	2300	29										
FGOS50/510	Black/Purple	510	51										
FGOS50/760	Black/Grey	760	51										
FGOS50/1000	Black/Orange	1000	50	240	210	150	250	18	M20	16	42	80	
FGOS50/1300	Black/Brown	1300	53										



PART NO.	COLOUR CODE	RATED LOAD (KG)	DEFLECTION AT RATED LOAD (MM)
FGOSB20/10	Purple	10	20
FGOSB20/15	Yellow	15	20
FGOSB20/20	Grey	20	20
FGOSB20/40	Green	40	20
FGOSB20/70	Red	70	20
FGOSB20/100	Blue	100	20



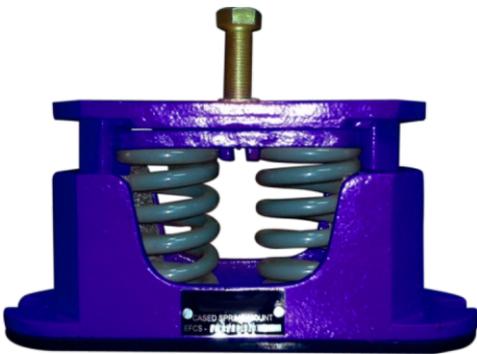
**Compliance - Springs designed according to BS 1726 (Part 1) and recommendations made by SAE (US) and ASHRAE**

- NOTE:-**
1. Due to policy of continual improvement, the specifications are subject to change without prior notice.
  2. Measurements are subject to 5% tolerance.
  3. To achieve good sound suppression do not over load fitting.



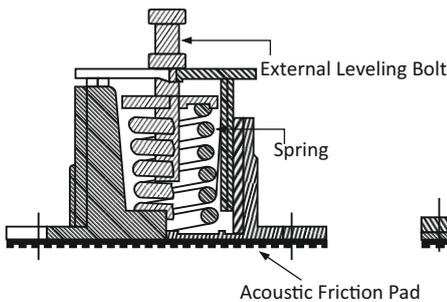


## CASED SPRING MOUNT

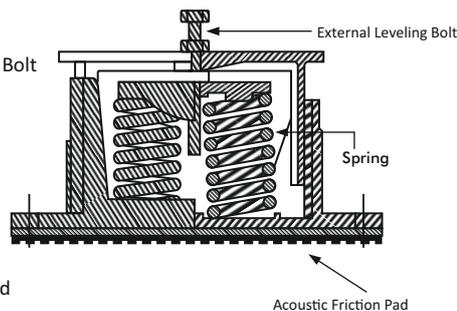


### Features:-

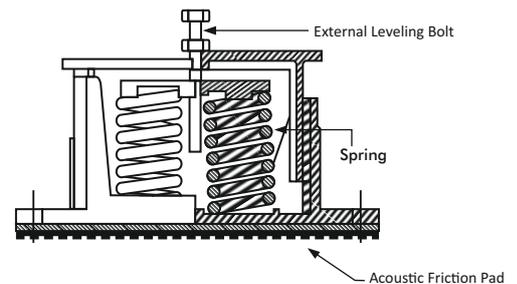
- Color coded springs to facilitate identification.
- Powder coated springs.
- Load upto 5000 kgs.\*
- Deflection upto 25mm\*
- 4 Models
- 26 Load Ranges
- Deflection is at rated load with 15% Tolerances.
- All mounts have approximately 50% overload capacity.
- Unique mount design provides horizontal stability, high loading capacity and protective spring enclosure
- All mounts have external leveling arrangement, capable of compensating for full static deflection.
- Inner walls of lower casing have resilient rubber snubbers which;
  - Eliminates possibility of binding by providing a smooth guide path for the top casing.
  - Limits lateral movement, particularly due to start-up, shut-down and horizontal wind load.
  - Prevents isolator short-circuiting by avoiding metal to metal contact.
- Neoprene inserts below springs and 6 mm thick ribbed base pad act as noise breaks for high frequencies in the audible range, which can otherwise get transmitted to building structure.
- Mountings must be adjusted so that upper housing clears lower housing by at least 6 mm and not more than 12 mm



FGCS 60 - FGCS 1250



FGCS II 600 - FGCS II 2500



FGCS IV 1200 - FGCS IV 5000

### Typical Applications

Application examples include : Chillers, AHU's Pumps, Centrifugal / Axial Fans, Condensing Units, Rooftop Packaged Units, Reciprocating Compressors, DG Sets, Punch Presses, Drop Hammers, Floor Pipe Supports (normally at first few pipe support points leading from isolated equipment).

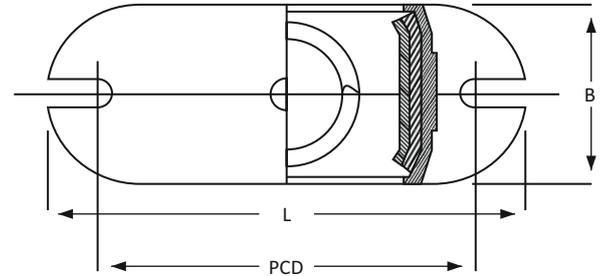
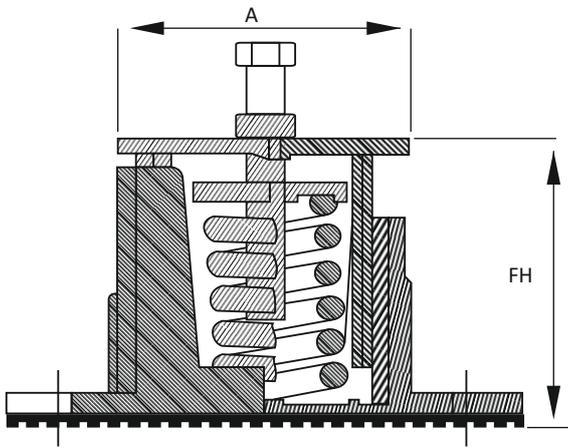
**Note :** Custom load and deflection are also available.

**Compliance - Springs designed according to BS 1726 (Part 1) and recommendations made by SAE (US) and ASHRAE**

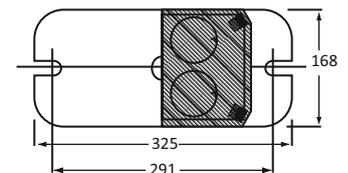
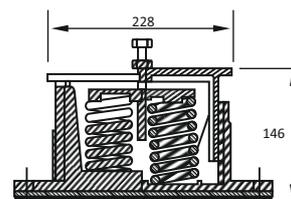
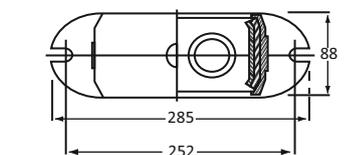
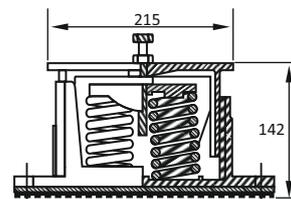
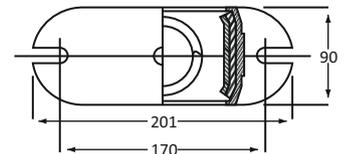
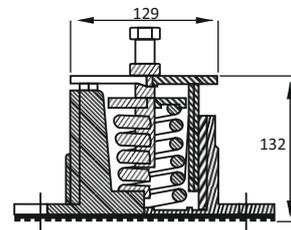
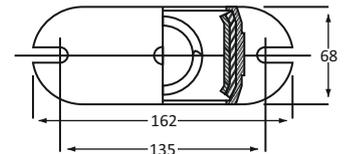
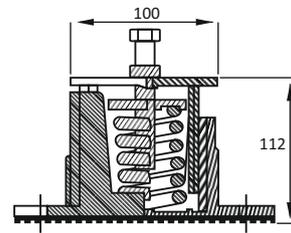




## CASED SPRING MOUNT



Product Code	Color Code	Rated Load (kg.)	Deflection (mm)
FGCS 060	Blue	60	25
FGCS 100	Green	100	25
FGCS 160	Orange	160	25
FGCS 200	Red	200	25
FGCS 250	Purple	250	25
FGCS 300	Grey	300	25
FGCS 400	Orange	400	25
FGCS 500	Brown	500	25
FGCS 600	Black	600	25
FGCS 800	Red	800	25
FGCS 1050	White	1050	25
FGCS 1250	Green	1250	25
FGCS II 600	Grey	600	25
FGCS II 800	Orange	800	25
FGCS II 1000	Brown	1000	25
FGCS II 1200	Black	1200	25
FGCS II 1600	Red	1600	25
FGCS II 2100	White	2100	25
FGCS II 2500	Green	2500	25
FGCS IV 1200	Grey	1200	25
FGCS IV 1600	Orange	1600	25
FGCS IV 2000	Brown	2000	25
FGCS IV 2400	Black	2400	25
FGCS IV 3200	Red	3200	25
FGCS IV 4200	White	4200	25
FGCS IV 5000	Green	5000	25

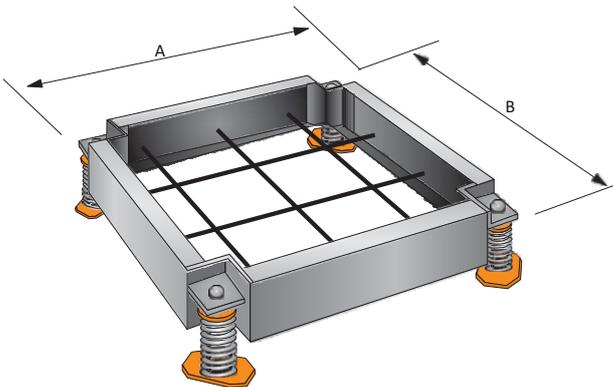
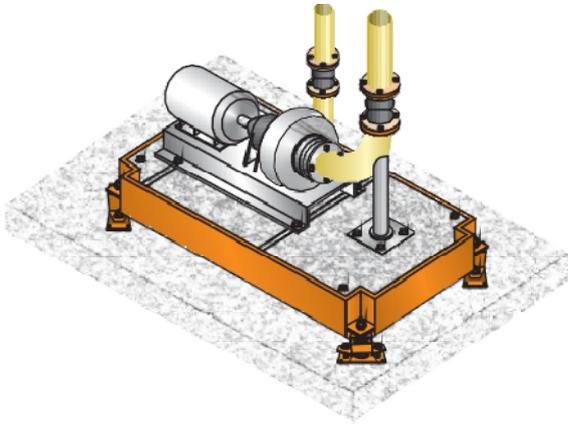


Compliance - Springs designed according to BS 1726 (Part 1) and recommendations made by SAE (US) and ASHRAE





## INERTIA BASE



### Ordering Information Required

- \* Equipment Model / Make.
- \* HP / RPM of Motor.
- \* Static Weight of equipment.
- \* Operating/ Dynamic weight of equipment.
- \* Outside Dimensions L x B x H.
- \* Concrete Plinth Y/N.
- \* Height/Space Constraint if any.
- \* Required Deflection of Spring (25mm / 50mm).
- \* Location-Ground | Roof | Basement.

### FEATURES AND BENEFITS.

#### Features:-

- \* Fully welded steel construction with integral concrete reinforcement fixed at 40 mm above bottom of frame.
- \* Recessed height reducing corner brackets designed to accept standard Hangwell type FGOS open spring mountings or FGESI Mounts
- \* Range of standard size frames available in three thicknesses 150, 200, 300 & 350 mm. Frame thickness not less than L/12 where "L" is the longest side of the frame as per ASHRAE.
- \* Finished with a single coat of red oxide primer on external surface only.
- \* Fabricated using formed steel channel (FGIB): Optionally available in structural steel channel construction.
- \* Available for any equipment dimension. Rectangular shape supplied as standard. T-shape offered where it is required to support elbows of horizontal split casing pumps on the base itself.
- \* Reinforced with 12mm OD welded-in steel rebar each way, at approximately 150mm spacing.
- \* Provided with height saving isolator fixing brackets. External brackets are supplied as standard. Recessed brackets are offered in case of space constraints.
- \* Supplied together with Hangwell isolator, Selection of mount type/ models forms part of the FGIB design process, to provide a complete vibration isolation solution. Frames are compatible with Open, Cased and Restrained mounts.

#### Notes:-

- \* Frame weights include concrete density at 2400Kg/m<sup>3</sup> and mounting selections are based on 4 mountings per base allowing 50% additional weight for the equipment to be supported. Nominal 25 mm deflection type FGOS (Open Spring Isolators) have been listed, however the exact deflection will vary depending on the applied load.
- \* When ordering. bases should be specified as follows: FGIB150 - 600 x 900 Other Size. Type and Thickness required and plan dimensions commencing with smallest length. Mountings should also be listed e.g. "EFOS25/100-BLUE"

#### Important:-

- \* The equipment should be located on the base such that the load is evenly distributed over the 4 mountings.  
Equipment and ancillary parts should not overhang frame and hold down bolts must not be at a distance less than 100 mm from the outer edge of the base.  
All the connections to the equipment should incorporate flexible sections and pipework etc, must be independently supported.  
Concrete Plinth if any, should be at least 200mm more than the size of base in all directions. In case of installation of snubbers it should be increased to 300mm.





## INERTIA BASE

**Compliance - Hangwell Inertia Bases are designed according to ASHRAE guidelines.**

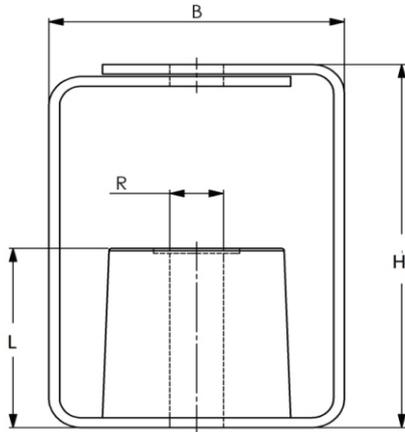
FRAME SIZE A x B (mm)	150 MM WT (Kg.)	THICK MOUNT PART NO.	200 MM WT (Kg.)	THICK MOUNT PART NO.	300 MM WT (Kg.)	THICK MOUNT PART NO.
600 x 600	147	FGOS25/60 Green				
600 x 750	180	FGOS25/100 Blue				
600 x 900	211	FGOS25/100 Blue				
600 x 1200	277	FGOS25/160 White				
600 x 1500	341	FGOS25/160 White				
750 x 750	219	FGOS25/100 Blue	288	FGOS25/160 White		
750 x 900	259	FGOS25/100 Blue	342	FGOS25/160 White		
750 x 1200	339	FGOS25/160 White	448	FGOS25/250 Red		
750 x 1500	420	FGOS25/160 White	554	FGOS25/250 Red		
750x 1800	500	FGOS25/250 Red	660	FGOS25/300 Purple		
900 x 900	307	FGOS25/160 White	404	FGOS25/160 White	600	FGOS25/300 Purple
900 x 1200	402	FGOS25/160 White	531	FGOS25/250 Red	788	FGOS25/300 Purple
900 x 1500	498	FGOS25/250 Red	658	FGOS25/300 Purple	977	FGOS25/400 Grey
900 x 1800	594	FGOS25/250 Red	785	FGOS25/300 Purple	1166	FGOS25/500 Orange
900 x 2100			911	FGOS25/400 Grey	1353	FGOS25/500 Orange
1050 x 1050	465	FGOS25/250 Red	542	FGOS25/250 Red	804	FGOS25/300 Purple
1500 x 1500	575	FGOS25/250 Red	761	FGOS25/300 Purple	1121	FGOS25/500 Orange
1050 x 1800	687	FGOS25/300 Purple	908	FGOS25/400 Grey	1350	FGOS25/500 Orange
1500 x 2100			1055	FGOS25/400 Grey	1570	FGOS25/600 Brown
1050 x 2400			1201	FGOS25/500 Orange	1350	FGOS25/800 Green
1200 x 1200			699	FGOS25/300 Purple	1038	FGOS25/400 Grey
1200 x 1500			865	FGOS25/400 Grey	1286	FGOS25/50 Orange
1200 x 1800			1032	FGOS25/400 Grey	1038	FGOS25/60 Brown
1200 x 2100			1199	FGOS25/500 Orange	1785	FGOS25/80 Green
1200 x 2400			1369	FGOS25/100 Blue	2038	FGOS25/80 Green
1400 x 1400					1397	FGOS25/600 Brown
1400 x 1800					1783	FGOS25/800 Green
1400 x 2100					12074	FGOS25/800 Green

- NOTE:-**
1. Due to policy of continual improvement, the specifications are subject to change without prior notice.
  2. Measurements are subject to 5% tolerance.
  3. To achieve good sound suppression do not over load fitting.





## RUBBER HANGER



### FEATURES AND BENEFITS.

**Description:-** \* Constructed of a neoprene element in a square powder coated bracket.

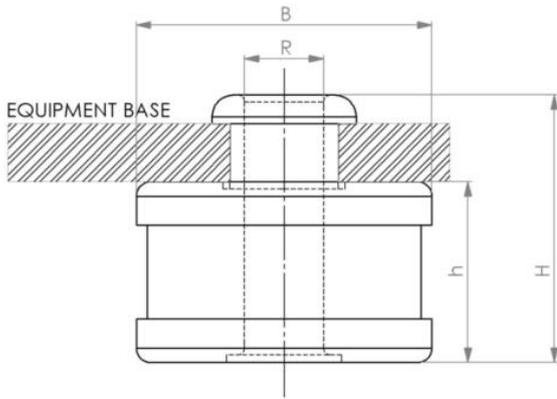
Product Code	Colour Code	B mm	H mm	L mm	R mm	Deflection mm	Max Load (N)
HGRH10	Blue	M10	75	40	M10	8	100
HGRH20	Green	M10	75	40	M10	8	200
HGRH30	Red	M10	75	40	M10	8	300
HGRH50	Yellow	M10	75	40	M10	8	500
HGRH70	Brown	M10	75	40	M10	10	700
HGRH120	Orange	M10	75	40	M10	10	1200

- NOTE:-** 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SIZE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.  
2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.  
3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## DUCT MOUNT



### FEATURES AND BENEFITS.

**Description:-**

- \* Duct Hanger consist of a resilient rubber mount held between two plated steel caps.
- \* For uniform distribution of load. It has an integral extended rubber sleeve which prevents direct.
- \* Metal-to-metal contact, thereby minimizing transmission of noise and vibration.

### TYPICAL APPLICATIONS

**SUSPENSION OF**

- \* Fan Coil Units
- \* Pipes
- \* Ducts
- \* Brackets
- \* Light Weight Equipment

**FLOOR MOUNTING OF**  
(using rubber element only)

- \* Refrigerators
- \* Domestic Appliances
- \* Industrial Equipments

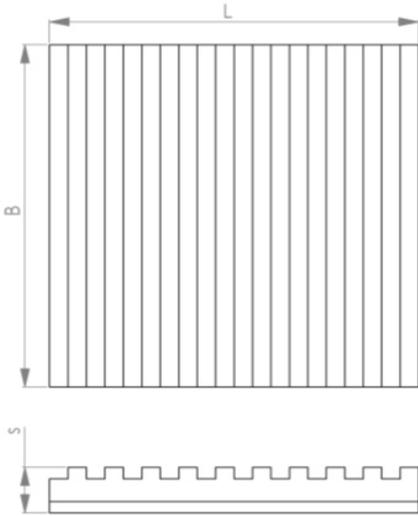
Product Code	B mm	H mm	h mm	R mm	Deflection mm	Max Load (N)
HGDM9	41	37	25	M10	4	900
HGDM6	32	27	19	M10	4	600

- NOTE:-** 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.  
2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.  
3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## RIBBED MOUNTING PAD



### FEATURES AND BENEFITS.

- Description:-**
- \* Alternate high-low ribbed construction.
  - \* Pads can be cut to be slightly larger than the size of the leg or machine, using shears or knife.
  - \* Multiple layers of Ribbed Mounting Pad can be used to increase deflection.
  - \* Easy field installation.

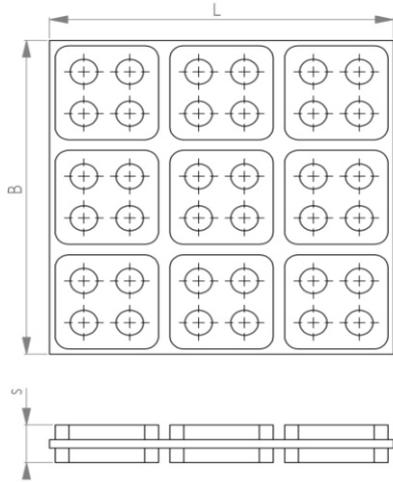
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
HGRMP075	75	75	10	750
HGRMP100	100	100	10	1050
HGRMP150	150	150	10	1500
HGRMP200	200	200	10	2050
HGRMP300	300	300	10	3100
HGRMP450	450	450	10	4800

- NOTE:-** 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.  
2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.  
3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## WAFFLE PAD



### FEATURES AND BENEFITS.

- Description:-**
- \* No need for bolting.
  - \* Easy cut design without tools allows job site flexibility.
  - \* Designed with in- built section cups.
  - \* Easy field installation.

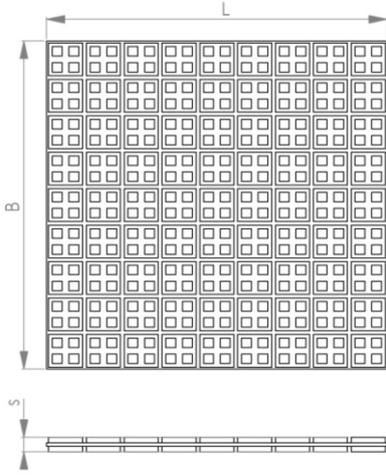
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
HGWP075	75	75	20	750
HGWP100	100	100	20	1050
HGWP150	150	150	20	1500
HGWP200	200	200	20	2050
HGWP300	300	300	20	3100
HGWP450	450	450	20	4800

- NOTE:-** 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.  
2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.  
3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## SQUARE CELL PAD



### FEATURES AND BENEFITS.

**Description:-**

- \* Square Cell Pad consist of 81 sections of size 50 mm x 50 mm separated by a thin web which can be easily cut to requirements.
- \* Excellent high frequency sound attenuation as compared to waffle pads.
- \* Standard size for ease of handling.

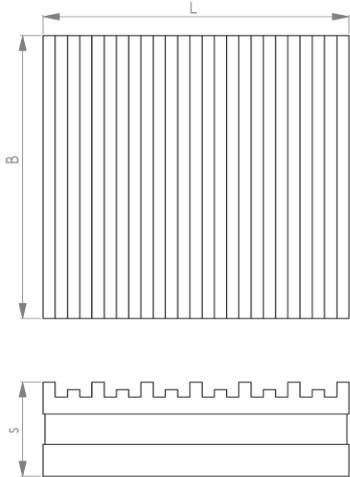
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
HGSCP075	75	75	20	1000
HGSCP100	100	100	20	1500
HGSCP150	150	150	20	2000
HGSCP200	200	200	20	3000
HGSCP300	300	300	20	4500
HGSCP450	450	450	20	6000

- NOTE:-** 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.  
2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.  
3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## CORK SANDWICH PAD



### FEATURES AND BENEFITS.

**Description:-**

- \* Cork Sandwich Pad are laminated pads having 3/8" thick close grained cork securely bonded between two layers of 1/4" alternate low- high ribbed neoprene rubber pads
- \* Offers highest level of sound attenuation and vibration insulation.
- \* Easy field installation.
- \* No need for bolting.

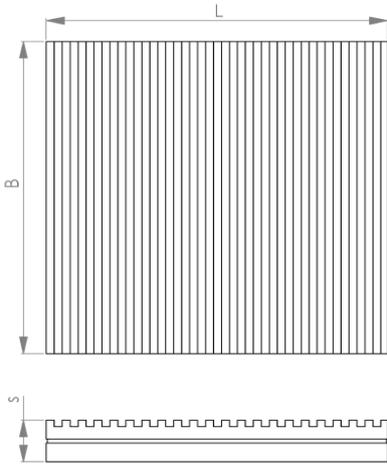
Product Code	Length(L) mm	Width(B) mm	Thickness(s) mm	Max Load (N)
HGCSP075	75	75	22	1500
HGCSP100	100	100	22	2000
HGCSP150	150	150	22	3000
HGCSP200	200	200	22	4000
HGCSP300	300	300	22	6000
HGCSP450	450	450	22	9000

- NOTE:-** 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.  
2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.  
3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## METAL SANDWICH PAD



### FEATURES AND BENEFITS.

- Description:-**
- \* Metal Sandwich Pads are constructed of a steel plate bonded between ribbed and vibration pads.
  - \* Designed for very high load capacity.

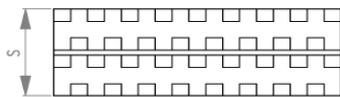
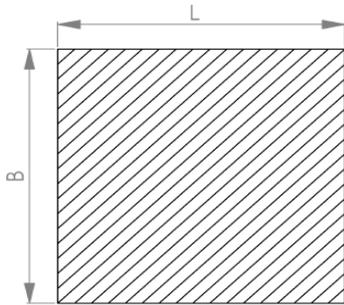
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
HGMSP075/20	75	75	20	6000
HGMSP100/20	100	100	20	7500
HGMSP150/20	150	150	20	12500
HGMSP200/20	200	200	20	15000
HGMSP300/20	300	300	20	18000
HGMSP450/20	450	450	20	22000
HGMSP075/25	75	75	25	9000
HGMSP100/25	100	100	25	11250
HGMSP150/25	150	150	25	18750
HGMSP200/25	200	200	25	22500
HGMSP300/25	300	300	25	27000
HGMSP450/25	450	450	25	33000

- NOTE:-**
1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
  2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.
  3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## RIBBED MULTI LAYER PAD



### FEATURES AND BENEFITS.

#### Description:-

- \* Ribbed Multi Layer Pads are constructed of two layers of thick ribbed pads encasing one 1.5 mm thickness steel plate in the center.
- \* Alternate rib design with the ribs below and above joined at right angles to each other to eliminate skidding.
- \* Diagonal ribs help to distribute load evenly.

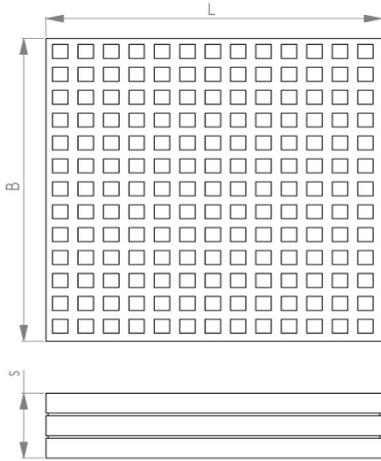
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Deflection mm	Max Load (N)
HGRMLP152	152	152	35	4.5	9000
HGRMLP102	102	102	35	4.5	4000

- NOTE:-**
1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
  2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.
  3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## SQUARE CELL MULTI LAYER PAD



### FEATURES AND BENEFITS.

**Description:-**

- \* Square Cell Multi Layer Pads are constructed of three layers of square cell rubber sheets with two steel plates of 1.5 thickness.
- \* Due to suction pockets formed by the square cell design the pad offers better grip on the floor surface.
- \* Higher load capacity than Ribbed Multi Layer Pad.

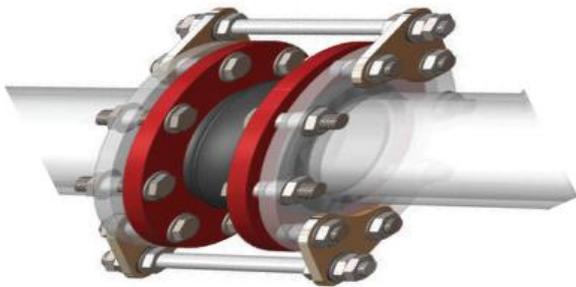
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Deflection mm	Max Load (N)
HGSMLP152	152	152	35	4.5	10000
HGSMLP102	102	102	35	4.5	4500

- NOTE:-**
1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
  2. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.
  3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT OVER LOAD FITTING.





## SINGLE ARCH FLOATING FLANGE EXPANSION JOINT



### FEATURES AND BENEFITS.

#### Description:-

- \* Inlet and outlet of air handling units, chillers, cooling towers Condensers.
- \* Air Suction and Discharge of pumps.
- \* Intervals in Chilled water piping.
- \* Installation of Flexible Expansion Joint is recommended to compensate for axial, transverse and angular pipe movements protecting the system from stress due to thermal pipe expansion or contraction.
- \* Due to the spherical shape of the bellow the flow of the fluid is smooth, resulting in negligible pressure drop across the joint.
- \* Control units for flanges are available as optional attachments and are recommended to be used at installations where the rated movements of the joint are likely to be exceeded even if the piping system is anchored on both sides.
- \* The control units consist of neoprene grommets, gusset plate, counter flanges and control rod.
- \* Designed to protect the joint from damage due to excessive pipe line movements.

### TECHNICAL DATA :

- \* Temperature Resistance : From -15 °C to +115 °C
- \* Working Media : Water, Compressed Air, Oil, Weak Acids/ Alkalines
- \* Vacuum : 700 mm Hg
- \* Maximum Pressure : 2" to 12" : 250 PSI / 17  
: 14" to 20" : 140 PSI / 10
- \* Burst Pressure : 2" to 12" : 650 PSI / 45  
: 14" to 20" : 550 PSI / 40

### CONSTRUCTION FEATURES :

- Bellow : Neoprene (NBR and EPDM available on request)
- Reinforcement : Nylon cord fabric and spring steel wire
- Flanges : Floating forged steel, drilled to BS4504 PN 16 (ANSI standards on request)  
: Epoxy powder coated for corrosion resistance

Product Code	Nominal Pipe Size		Pipe OD (D)	Length (L)	Elongation	Compression	Deflection Angle
	In.	mm	mm	mm	mm	mm	
HGSEJ060	2"	DN50	60.3	130	10	13	15°
HGSEJ073	2 ½"	DN65	73	150	10	13	15°
HGSEJ090	3"	DN80	88.9	150	10	13	15°
HGSEJ114	4"	DN100	114.3	152	10	16	15°
HGSEJ141	5"	DN125	141.3	152	10	16	15°
HGSEJ168	6"	DN150	168.3	152	10	16	15°
HGSEJ219	8"	DN200	219.1	165	13	16	15°
HGSEJ273	10"	DN250	273.1	203	13	20	15°
HGSEJ323	12"	DN300	323.8	203	13	20	15°
HGSEJ355	14"	DN350	355.6	255	13	25	15°
HGSEJ406	16"	DN400	406.4	255	13	25	15°
HGSEJ457	18"	DN450	457.2	255	13	25	15°
HGSEJ508	20"	DN500	508	255	13	25	15°
HGSEJ610	24"	DN600	609.6	260	13	25	15°





## DOUBLE ARCH FLOATING FLANGE EXPANSION JOINT



### FEATURES AND BENEFITS.

#### Description:-

- \* Inlet and outlet of air handling units, chillers, cooling towers condensers.
- \* Air Suction and Discharge of pumps.
- \* Intervals in Chilled water piping.
- \* Installation of Flexible Expansion Joint is recommended to compensate for axial, transverse and angular pipe movements, protecting the system from stress due to thermal pipe expansion or contraction.
- \* Due to the spherical shape of the bellow the flow of the fluid is smooth, resulting in negligible pressure drop across the joint.
- \* Control units for flanges are available as optional attachments and are recommended to be used at installations where the rated movements of the joint are likely to be exceeded even if the piping system is anchored on both sided.
- \* The control units consist of neoprene grommets, gusset plate, counter flanges and control rod.
- \* Designed to protect the joint from damage due to excessive pipeline movements.

### TECHNICAL DATA :

- \* Temperature Resistance : From -15 °C to +115 °C
- \* Working Media : Water, Compressed Air, Oil, Weak Acids/ Alkalines
- \* Vacuum : 700 mm Hg
- \* Maximum Pressure : 2" to 12" : 250 PSI / 17 bar  
: 14" to 20" : 140 PSI / 10 bar
- \* Burst Pressure : 2" to 12" : 650 PSI / 45 bar  
: 14" to 20" : 550 PSI / 40 bar

### CONSTRUCTION FEATURES :

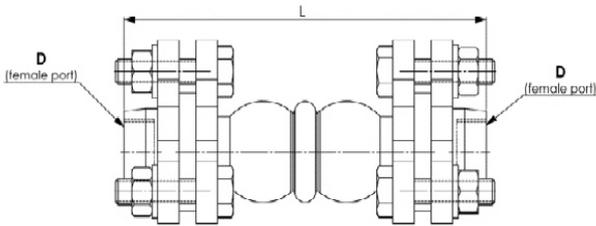
- Bellow : Neoprene (NBR and EPDM available on request)
- Reinforcement : Nylon cord fabric and spring steel wire
- Flanges : Floating forged steel, drilled to BS4504 PN 16 (ANSI standards on request)  
: Epoxy powder coated for corrosion resistance

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Length (L) mm	Elongation mm	Compression mm	Deflection Angle
	In.	mm					
HGDEJ060	2"	DN50	60.3	130	10	13	15°
HGDEJ073	2 ½"	DN65	73	150	10	13	15°
HGDEJ090	3"	DN80	88.9	150	10	13	15°
HGDEJ114	4"	DN100	114.3	152	10	16	15°
HGDEJ141	5"	DN125	141.3	152	10	16	15°
HGDEJ168	6"	DN150	168.3	152	10	16	15°
HGDEJ219	8"	DN200	219.1	165	13	16	15°
HGDEJ273	10"	DN250	273.1	203	13	20	15°
HGDEJ323	12"	DN300	323.8	203	13	20	15°
HGDEJ355	14"	DN350	355.6	255	13	25	15°
HGDEJ406	16"	DN400	406.4	255	13	25	15°
HGDEJ457	18"	DN450	457.2	255	13	25	15°
HGDEJ508	20"	DN500	508	255	13	25	15°
HGDEJ610	24"	DN600	609.6	260	13	25	15°





## FLEXIBLE PIPE CONNECTOR - TRIANGULAR TYPE



### FEATURES AND BENEFITS.

#### Description:-

- \* Inlet and outlet of fan coil units, Air Handling Units, Chillers and Condensers.
- \* Air Suction and Discharge of pumps.
- \* Intervals in Chilled water piping .
- \* Installation of Flexible Pipe Connectors is recommended to allow for axial pipe movement due to thermal expansion or contraction, thereby protecting the building structure from damaging stress. These connectors also help to isolate the low and high frequency vibration transmitted through pipe walls.
- \* The triangular flange design offer much better reliability, safety and convenience as compared to union type connectors.
- \* Allows for both Axial and Horizontal movement.
- \* Unique pressurized steel wire strand for additional safety.

### TECHNICAL DATA :

- \* Maximum Pressure : 290 PSI / 20 bar
- \* Burst Pressure : 650 PSI / 45 bar
- \* Temperature Resistance : From -15 °C to +115 °C
- \* Working Media : Water, Compressed Air, Oil, Weak Acid s/ Alkalines
- \* Vacuum : 700 mm Hg
- \* Standards : Testing as per BS5150 : 1974

### CONSTRUCTION FEATURES :

- Bellow : Neoprene / EPDM
- Reinforcement : Nylon cord fabric
- Pressurized Ring : Steel Wire Strand
- Flanges : Forged Steel, Threaded to BS 21. NPT on request.
- : Epoxy powder coated for corrosion resistance.
- : Floating triangular thread design.
- : Nut and bolts electro galvanized.

Product Code	Nominal Pipe Size		Pipe OD (D)	Length (L)	Elongation	Compression	Deflection
	In.	mm	mm	mm	mm	mm	Angle
HGFCT022	½"	DN15	21.3	160	6	22	45°
HGFCT027	¾"	DN20	26.7	160	6	22	45°
HGFCT034	1"	DN25	33.4	160	6	22	45°
HGFCT042	1 ¼"	DN32	42.1	160	6	22	45°
HGFCT048	1 ½"	DN40	48.2	160	6	22	45°
HGFCT060	2"	DN50	60.3	180	6	22	45°
HGFCT073	2 ½"	DN65	73	240	10	24	45°





## FLEXIBLE PIPE CONNECTOR- UNION TYPE



### FEATURES AND BENEFITS.

#### Description:-

- \* Inlet and outlet of fan coil units, Air Handling Units, Chillers and Condensers.
- \* Air Suction and Discharge of pumps.
- \* Intervals in Chilled water piping.
- \* Installation of Flexible Pipe Connectors is recommended to allow for axial pipe movement due to thermal expansion or contraction, thereby protecting the building structure from damaging stress. These connectors also help to isolate the low and high frequency vibration transmitted through pipe walls.
- \* Allows for both Axial and Horizontal movement.
- \* Unique pressurized steel wire strand for additional safety.

### TECHNICAL DATA :

- \* Maximum Pressure : 250 PSI / 17 bar
- \* Burst Pressure : 650 PSI / 45 bar
- \* Temperature Resistance : From -15 °C to +115 °C
- \* Working Media : Water, Compressed Air, Oil, Weak Acids/ Alkalines
- \* Vacuum : 700 mm Hg
- \* Standards : Testing as per BS5150 : 1974

### CONSTRUCTION FEATURES :

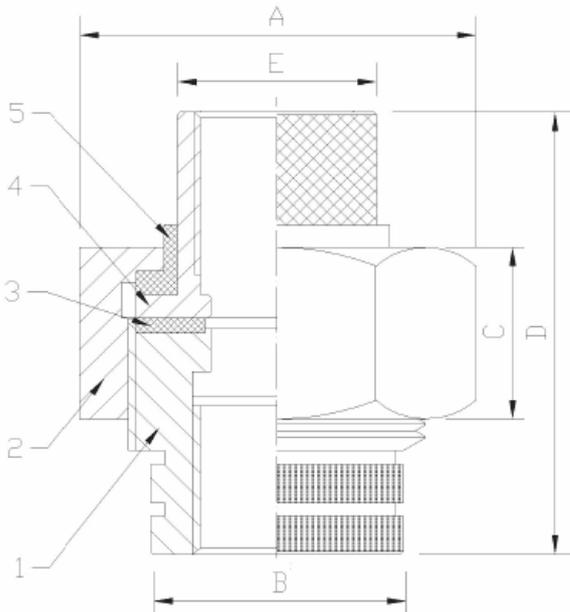
- Bellow : Neoprene / EPDM
- Reinforcement : Nylon cord fabric
- Pressurized Ring : Steel Wire Strand
- Flanges : Forged Steel, Threaded to BS 21. NPT on request.
- : Epoxy powder coated for corrosion resistance.
- : Floating triangular thread design.

Product Code	Nominal Pipe Size		Pipe OD (D)	Length (L)	Elongation	Compression	Deflection Angle
	In.	mm	mm	mm	mm	mm	
HGFCU022	½"	DN15	21.3	155	6	22	45°
HGFCU027	¾"	DN20	26.7	155	6	22	45°
HGFCU034	1"	DN25	33.4	155	6	22	45°
HGFCU042	1 ¼"	DN32	42.1	155	6	22	45°
HGFCU048	1 ½"	DN40	48.2	175	6	22	45°
HGFCU060	2"	DN50	60.3	175	6	22	45°
HGFCU073	2 ½"	DN65	73	240	10	24	45°





## DIELECTRIC UNION- MPT X WELD BRASS



### FEATURES AND BENEFITS.

- Description:-**
- \* Designed for installation of two non similar pipes to prevent corrosion and deterioration in piping systems due to galvanic and stray current.
  - \* Electro galvanized threaded steel body with integral sweat end on one side with brass threaded/ solder coupler.
  - \* Dielectric coupler sleeve and separator gasket to prevent metal to metal contact
  - \* Lead free construction to comply with lead free installation requirements.

- TECHNICAL DATA :**
- \* Maximum pressure: 250 PSI / 17 bar
  - \* Temperature resistance: from -30 °C to +120 °C
  - \* Electro galvanized as per ASTM B 633
  - \* Dielectric strength: ASTM D149, BS 2782, DIN 53483

### MATERIAL SPECIFICATION :

No.	Part	Material
1	IPS Connection	Zinc Coat Steel
2	Nut	Zinc Coat Steel
3	Gasket	Nitrile
4	Solder Connection	Brass
5	Insert	Nylon

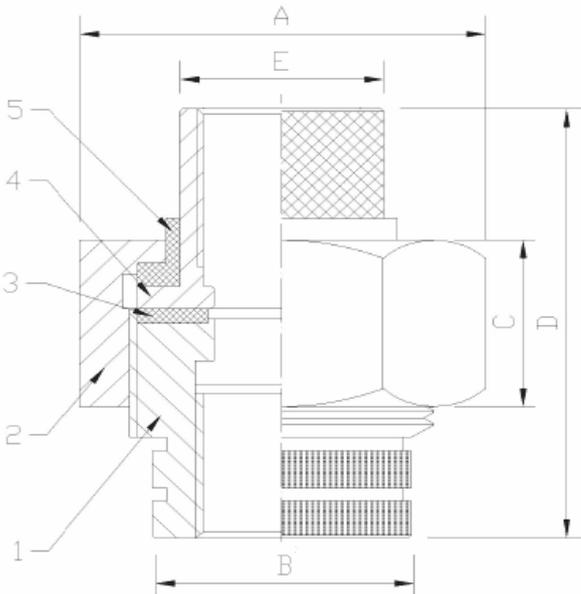
### AVAILABLE SIZES

Product Code	Nominal Pipe Size		Pipe OD (D) mm
	In.	mm	
HFGDEUMWB022	½"	DN15	21.3
HGDEUMWB028	¾"	DN20	26.7
HGDEUMWB034	1"	DN25	33.4
HGDEUMWB042	1 ¼"	DN32	42.1
HGDEUMWB048	1 ½"	DN40	48.2
HGDEUMWB060	2"	DN50	60.3





## DIELECTRIC UNION- FPT X WELD BRASS



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed for installation of two non similar pipes to prevent corrosion and deterioration in piping systems due to galvanic and stray current.</li> <li>* Electro galvanized threaded steel body with integral sweat end on one side with brass threaded/ solder coupler.</li> <li>* Dielectric coupler sleeve and separator gasket to prevent metal to metal contact</li> <li>* Lead free construction to comply with lead free installation requirements.</li> </ul>
<b>TECHNICAL DATA :</b>	<ul style="list-style-type: none"> <li>* Maximum pressure: 250 PSI / 17 bar</li> <li>* Temperature resistance: from -30 °C to +120 °C</li> <li>* Electro galvanized as per ASTM B 633</li> <li>* Dielectric strength: ASTM D149, BS 2782, DIN 53483</li> </ul>

### MATERIAL SPECIFICATION :

No.	Part	Material
1	IPS Connection	Zinc Coat Steel
2	Nut	Zinc Coat Steel
3	Gasket	Nitrile
4	Solder Connection	Brass
5	Insert	Nylon

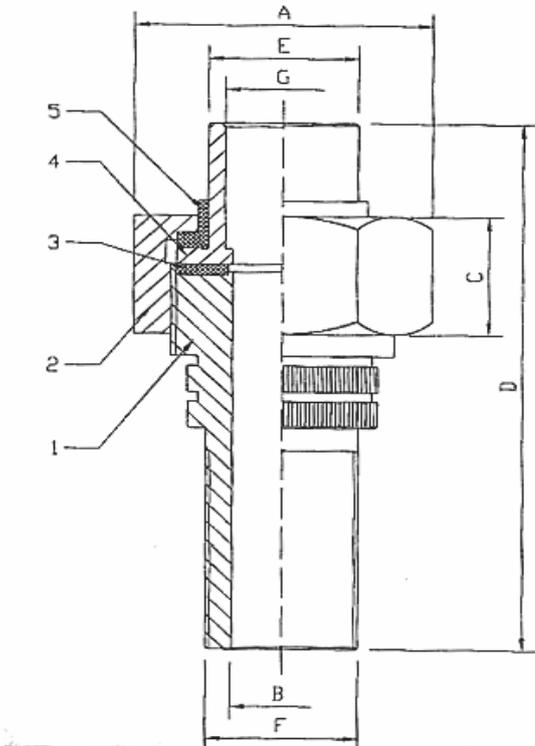
### AVAILABLE SIZES

Product Code	Nominal Pipe Size		Pipe OD (D) mm
	In.	mm	
HGDEUFWB022	½"	DN15	21.3
HGDEUFWB028	¾"	DN20	26.7
HGDEUFWB034	1"	DN25	33.4
HGDEUFWB042	1 ¼"	DN32	42.1
HGDEUFWB048	1 ½"	DN40	48.2
HGDEUFWB060	2"	DN50	60.3





## DIELECTRIC UNION- FPT X MPT



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed for installation of two non similar pipes to prevent corrosion and deterioration in piping systems due to galvanic and stray current.</li> <li>* Electro galvanized threaded steel body with integral sweat end on one side with brass threaded/ solder coupler.</li> <li>* Dielectric coupler sleeve and separator gasket to prevent metal to metal contact</li> <li>* Lead free construction to comply with lead free installation requirements.</li> </ul>
<b>TECHNICAL DATA :</b>	<ul style="list-style-type: none"> <li>* Maximum pressure: 250 PSI / 17 bar</li> <li>* Temperature resistance: from -30 °C to +120 °C</li> <li>* Electro galvanized as per ASTM B 633</li> <li>* Dielectric strength: ASTM D149, BS 2782, DIN 53483</li> </ul>

### MATERIAL SPECIFICATION :

No.	Part	Material
1	IPS Connection	Zinc Coat Steel
2	Nut	Zinc Coat Steel
3	Gasket	Nitrile
4	Solder Connection	Brass
5	Insert	Nylon

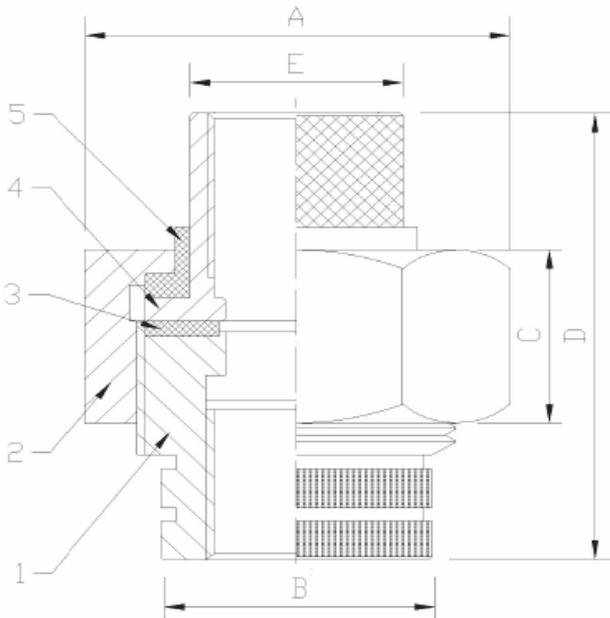
### AVAILABLE SIZES

Product Code	Nominal Pipe Size		Pipe OD (D) mm
	In.	mm	
HGDEUFM022	½"	DN15	21.3
HGDEUFM028	¾"	DN20	26.7
HGDEUFM034	1"	DN25	33.4
HGDEUFM042	1 ¼"	DN32	42.1
HGDEUFM048	1 ½"	DN40	48.2
HGDEUFM060	2"	DN50	60.3





## DIELECTRIC UNION- FPT X FPT



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Designed for installation of two non similar pipes to prevent corrosion and deterioration in piping systems due to galvanic and stray current.</li> <li>* Electro galvanized threaded steel body with integral sweat end on one side with brass threaded/ solder coupler.</li> <li>* Dielectric coupler sleeve and separator gasket to prevent metal to metal contact</li> <li>* Lead free construction to comply with lead free installation requirements.</li> </ul>
<b>TECHNICAL DATA :</b>	<ul style="list-style-type: none"> <li>* Maximum pressure: 250 PSI / 17 bar</li> <li>* Temperature resistance: from -30 °C to +120 °C</li> <li>* Electro galvanized as per ASTM B 633</li> <li>* Dielectric strength: ASTM D149, BS 2782, DIN 53483</li> </ul>

### MATERIAL SPECIFICATION :

No.	Part	Material
1	IPS Connection	Zinc Coat Steel
2	Nut	Zinc Coat Steel
3	Gasket	Nitrile
4	Solder Connection	Brass
5	Insert	Nylon

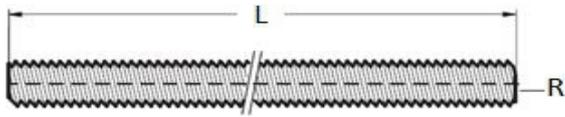
### AVAILABLE SIZES

Product Code	Nominal Pipe Size		Pipe OD (D) mm
	In.	mm	
HGDEUFF022	½"	DN15	21.3
HGDEUFF028	¾"	DN20	26.7
HGDEUFF034	1"	DN25	33.4
HGDEUFF042	1 ¼"	DN32	42.1
HGDEUFF048	1 ½"	DN40	48.2
HGDEUFF060	2"	DN50	60.3





## THREADED ROD



### FEATURES AND BENEFITS.

<b>Material:-</b>	Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.
<b>Standards:-</b>	ASTM/ ASME/ DIN/ BS EN ISO / JIS
<b>Threads:-</b>	UNC, 8UN, UNF, Metric Coarse and Metric Fine
<b>Size Range:-</b>	M6 to M100 in Metric series. ¼" to 4" in Imperial Bigger sizes can be manufactured as per order.

### \* Typical Grades & Standards :-

- ASTM A193 Grade B7, B7M, B8, B8M & B16
- ASTM A320 Grade L7 & L7M
- BS 3692 / BS 4190 Grade 4.6, 4.8, 5.6, 5.8, 8.8
- Stainless Steel 304, 304L, 316, 316L, A2-70/ 80, A4-70/80

### \* Offering Information :-

- Dimensions – Size.
- Standards and Grade
- Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc)

Product Code	Threaded Rod Size (R)	Length (L) mm	Pitch (mm)	Minimum Proof Load (N)	Bundle Quantity
HGEPTR3 06	M6	3000	1	4.5	100
HGEPTR3 08	M8	3000	1.25	8.2	60
HGEPTR3 10	M10	3000	1.5	13.1	35
HGEPTR3 12	M12	3000	1.75	19	25
HGEPTR3 14	M14	3000	2	25.9	20
HGEPTR3 16	M16	3000	2	35.3	12
HGEPTR3 18	M18	3000	2.5	43.2	10
HGEPTR3 20	M20	3000	2.5	55.1	8
HGEPTR3 22	M22	3000	2.5	68.2	8
HGEPTR3 24	M24	3000	3	79.4	6
HGEPTR3 27	M27	3000	3	103	6
HGEPTR3 30	M30	3000	3.5	126	5
HGEPTR3 33	M33	3000	3.5	156	5
HGEPTR3 36	M36	3000	4	184	4
HGEPTR3 39	M39	3000	4	220	4
HGEPTR3 42	M42	3000	4.5	252	2
HGEPTR3 45	M45	3000	4.5	331	2
HGEPTR3 48	M48	3000	5	396	2
HGEPTR3 52	M52	3000	5	602	1

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

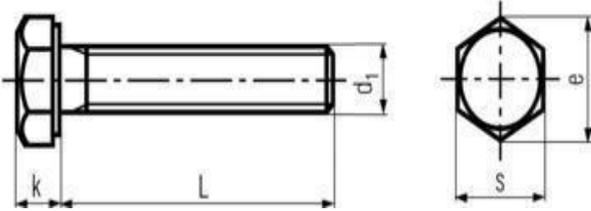
2. a. EP - MICRONS : 5μ - 8μ

b. HDG - MICRONS : 30μ - 55μ





## HEX BOLT (DIN 933)



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Hex bolts can be used for many different applications that include fastening wood, steel, and other construction materials for projects such as docks, bridges, highway structures and buildings.</li> <li>* Hex bolts with forged heads are also commonly used as headed anchor bolts.</li> </ul>
<b>Material:-</b>	Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.
<b>Standards:-</b>	ASTM/ ASME/ DIN/ BS EN ISO / JIS
<b>Threads:-</b>	UNC, 8UN, UNF, Metric Coarse and Metric Fine.
<b>Size Range:-</b>	M6 to M64 in Metric series. ¼" to 2½" in Imperial Bigger sizes can be manufactured as per order.

#### \* Typical Grades & Standards :-

- BS3692 / BS4190 grade 4.6, 4.8, 5.6, 5.8, 8.8, 10.9 and 12.9
- ASTM A307 Grade A and B
- ASTM A325
- ASTM A193 Grade B7, B7M, B8, B8M & B16
- ASTM A320 Grade L7 & L7M
- Stainless Steel 304, 304L, 316, 316L, A2-70/ 80, A4-70/ 80

#### \* Offering Information :-

- Dimensions – Size Dia and Length.
- Standards and Grade
- Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc)
- Nut and washer quantity

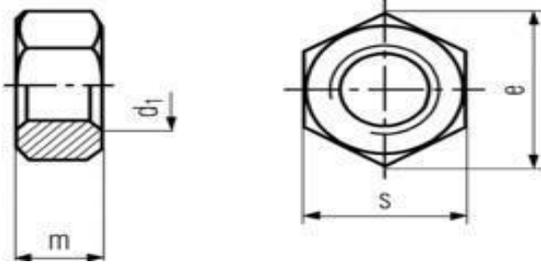
Product Code	Size (d1)	S (mm)	e (mm)	k (mm)	a (mm)
HGEPHB03	M3	5.5	6.01	2	1.5
HGEPHB04	M4	7	7.66	2.8	2.1
HGEPHB05	M5	8	8.79	3.5	2.4
HGEPHB06	M6	10	11.05	4	3
HGEPHB08	M8	13	14.38	5.3	3.75
HGEPHB10	M10	17	18.9	6.4	4.5
HGEPHB12	M12	19	21.1	7.5	5.25
HGEPHB14	M14	22	24.49	8.8	6
HGEPHB16	M16	24	26.75	10	6
HGEPHB18	M18	27	30.14	11.5	7.5
HGEPHB20	M20	30	33.53	12.5	7.5
HGEPHB22	M22	32	35.72	14	7.5
HGEPHB24	M24	36	39.98	15	9
HGEPHB27	M27	41	45.2	17	9
HGEPHB30	M30	46	50.85	18.7	10.5
HGEPHB33	M33	50	55.37	21	10.5
HGEPHB36	M36	55	60.79	22.5	12
HGEPHB39	M39	60	66.44	25	12
HGEPHB42	M42	65	71.3	26	13.5
HGEPHB45	M45	69	76.95	28	13.5
HGEPHB48	M48	75	82.6	30	15
HGEPHB52	M52	80	88.25	33.5	15

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.  
2. OTHER FINISH ALSO AVAILABLE ON REQUEST.





## HEX NUT (DIN 934)



### FEATURES AND BENEFITS.

<b>Material:-</b>	Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.
<b>Standards:-</b>	ASTM/ ASME/ DIN/ BS EN ISO / JIS.
<b>Threads:-</b>	UNC, 8UN, UNF, Metric Coarse and Metric Fine.
<b>Size Range:-</b>	M6 to M64 in Metric series. ¼" to 2½" in Imperial Bigger sizes can be manufactured as per order.

### \* Typical Grades & Standards :-

- DIN 934 Class 4, 8, 10, 12, A270, A280, A470 and A480.
- ASTM A194/ A194M Grades 2H, 2HM, 4L, 7L and 7LM.
- ASTM A563/ 563M Grades 8, 10S, A, B, C, D, DH, Dh3.
- Stainless Steel 304, 304L, 316, 316L, A2-70/ 80, A4-70/ 80.

### \* Offering Information :-

- Dimensions – Size.
- Standards and Grade
- Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc)

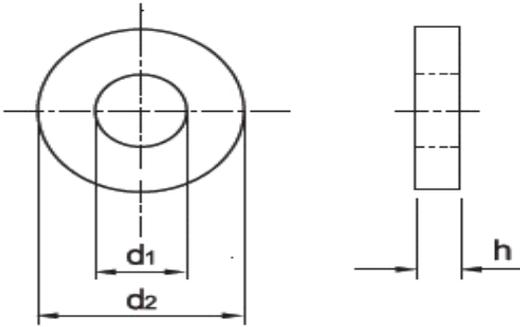
Product Code	Size (d1) mm	Pitch (mm)	Across Corner (e) mm	Across Flat (S) mm	Thickness (m) mm
HGEPHN03	M3	0.5	6.01	6	2.4
HGEPHN04	M4	0.7	7.66	7	3.2
HGEPHN05	M5	0.8	8.76	8	4
HGEPHN06	M6	1	11.05	10	6
HGEPHN08	M8	1.25	14.38	13	6.5
HGEPHN10	M10	1.5	18.9	17	8
HGEPHN12	M12	1.75	21.1	19	10
HGEPHN14	M14	2	24.49	22	11
HGEPHN16	M16	2	26.75	24	13
HGEPHN18	M18	2.5	29.56	27	15
HGEPHN20	M20	2.5	32.95	30	16
HGEPHN22	M22	2.5	35.03	32	18
HGEPHN24	M24	3	39.55	36	19
HGEPHN27	M27	3	45.2	41	22
HGEPHN30	M30	3.5	50.85	46	24
HGEPHN33	M33	3.5	55.37	50	26
HGEPHN36	M36	4	60.79	55	29
HGEPHN39	M39	4	66.44	60	31
HGEPHN42	M42	4.5	71.3	65	34
HGEPHN45	M45	4.5	76.95	70	36
HGEPHN48	M48	5	82.6	75	38
HGEPHN52	M52	5	88.25	80	42
HGEPHN56	M56	5.5	93.56	85	45
HGEPHN64	M64	6	104.86	95	51

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.  
2. OTHER FINISH ALSO AVAILABLE ON REQUEST.





## WASHER (DIN 125/ A)



### FEATURES AND BENEFITS.

<b>Material:-</b>	Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.
<b>Standards:-</b>	ASTM/ ASME/ DIN/ BS EN ISO / JIS.
<b>Threads:-</b>	UNC, 8UN, UNF, Metric Coarse and Metric Fine.
<b>Size Range:-</b>	M6 to M64 in Metric series. ¼" to 2½" in Imperial Bigger sizes can be manufactured as per order.

### \* Typical Grades & Standards :-

- DIN 125/A
- DIN 127/B
- DIN 9021
- ASTM F436 and F436M
- Stainless Steel 304, 304L, 316, 316L, A2-70/ 80, A4-70/ 80

### \* Offering Information :-

- Dimensions – Size.
- Standards and Grade
- Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc)

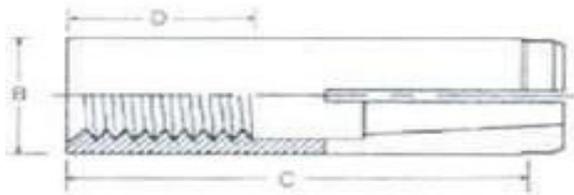
Product Code	Size	Inner Diameter (d1) mm	Outer Diameter (d2) mm	Thickness (h) mm
HGEPW03	M3	3.2	7	0.5
HGEPW04	M4	4.3	9	0.8
HGEPW05	M5	5.3	11	1
HGEPW06	M6	6.4	12	1.6
HGEPW08	M8	8.4	16	1.6
HGEPW10	M10	10.5	20	2
HGEPW12	M12	13	24	2.5
HGEPW14	M14	15	28	2.5
HGEPW16	M16	17	30	3
HGEPW18	M18	19	34	3
HGEPW20	M20	21	37	3
HGEPW22	M22	23	39	3
HGEPW24	M24	25	44	4
HGEPW27	M27	28	50	4
HGEPW30	M30	31	56	4
HGEPW33	M33	34	60	5
HGEPW36	M36	37	66	5
HGEPW39	M39	40	72	6
HGEPW42	M42	43	78	7
HGEPW45	M45	46	85	7
HGEPW48	M48	50	92	8
HGEPW52	M52	54	98	8
HGEPW56	M56	58	105	9
HGEPW64	M64	66	115	9
HGEPW72	M72	74	125	10

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.  
2. OTHER FINISH ALSO AVAILABLE ON REQUEST.





## DROP IN ANCHOR



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Medium load fixings. Anchor placement flush with the surface or deeper. Fixture detachable anytime.</li> <li>* Flexible in fixture thickness with variety sizes of hexagonal bolts suitable for anchoring intension zone.</li> <li>* Ideal for suspended type of fixtures such as pipings, air ducts, cable tray and trunkings.</li> <li>* Machine installation: mechanical pumps, genset and electrical switch gear.</li> <li>* Temporary work such as steel truss for platform, wooden form structures and safety.</li> <li>* Securing of pipe brackets, rails and base plates.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	* Electro galvanized as per ASTM B 633.

Product Code	Size (mm)	Anchor Length © (mm)	Thread Length (D) (mm)	Drilled Hole Diameter (B) (mm)	Minimum Hole Depth (mm)	Effective Depth (mm)	Minimum Concrete Thickness (mm)	Fixture Hole Diameter (mm)	Permissible Load (KN)	Box Quantity
<b>Metric Size</b>										
HLEPDPA06	M6	25	10	8	30	25	60	7	1.00	1500
HLEPDPA08	M8	30	13	10	35	30	70	9	2.00	1200
HLEPDPA10	M10	40	16	12	45	40	80	12	3.00	1000
HLEPDPA12	M12	50	21	6	55	50	100	14	4.00	800
HLEPDPA16	M16	60	30	20	70	60	130	18	5.00	500
HLEPDPA20	M20	80	35	25	90	80	160	22	6.00	250

<b>Imperial Size</b>										
HLEPDPA14	1/4"	25	10	8	30	25	60	7	1	1500
HLEPDPA516	5/16"	30	13	10	35	30	70	9	2	1200
HLEPDPA38	3/8"	40	16	12	45	40	80	12	3	1000
HLEPDPA012	1/2"	50	21	6	55	50	100	14	4	800
HLEPDPA58	5/8"	60	30	20	70	60	130	18	5	500
HLEPDPA34	3/4"	80	35	25	90	80	160	22	6	250

NOTE:- 1. OTHER FINISHES AVAILABLE ON REQUEST.





## WEDGE ANCHOR



### FEATURES AND BENEFITS.

**Description:-**

- \* The one-piece clip is formed around Anchor, assuring full expansion for dependable superior holding power.
- \* Anchor can be hammered below the surface of the concrete when no longer needed.
- \* The test values listed beneath were obtaining using 4000 PSI concrete (no aggregate).
- \* Does not require precise hole depth or hole cleaning out.
- \* Expanding clip will not fall off or twist in the hole.
- \* A safe working load should not exceed 25 % stated values.

Product Code	Size (mm)	Clearance Hole Diameter (mm)	Embedment Depth (mm)	Max. Fixture Thickness (mm)	Yield Strength (N/mm)	Microns (μ)	Pull Out Load (N)
HGEPWA6/40	M6 X 40	7	27	3	400	5 - 8	4200
HGEPWA6/55	M6 X 55	7	35	15	400	5 - 8	4200
HGEPWA6/70	M6 X 70	7	35	30	400	5 - 8	4200
HGEPWA6/95	M6 X 95	7	35	55	400	5 - 8	4200
HGEPWA8/50	M8 X 50	9	35	10	400	5 - 8	10000
HGEPWA8/65	M8 X 65	9	40	20	400	5 - 8	10000
HGEPWA8/80	M8 X 80	9	40	35	400	5 - 8	10000
HGEPWA8/95	M8 X 95	9	40	50	400	5 - 8	10000
HGEPWA8/120	M8 X 120	9	40	60	400	5 - 8	10000
HGEPWA8/150	M8 X 150	9	40	75	400	5 - 8	10000
HGEPWA8/165	M8 X 165	9	40	135	400	5 - 8	10000
HGEPWA8/220	M8 X 220	9	40	175	400	5 - 8	10000
HGEPWA10/65	M10 X 65	12	40	15	400	5 - 8	14000
HGEPWA10/80	M10 X 80	12	50	20	400	5 - 8	14000
HGEPWA10/95	M10 X 95	12	50	35	400	5 - 8	14000
HGEPWA10/115	M10 X 115	12	50	55	400	5 - 8	14000
HGEPWA10/120	M10 X 120	12	50	60	400	5 - 8	14000
HGEPWA10/130	M10 X 130	12	50	70	400	5 - 8	14000
HGEPWA12/80	M12 X 80	14	50	20	400	5 - 8	16500
HGEPWA12/100	M12 X 100	14	60	30	400	5 - 8	16500
HGEPWA12/120	M12 X 120	14	60	50	400	5 - 8	18500
HGEPWA12/135	M12 X 135	14	60	65	400	5 - 8	18500
HGEPWA12/150	M12 X 150	14	60	80	400	5 - 8	18500
HGEPWA16/105	M16 X 105	18	70	15	220	5 - 8	28000
HGEPWA16/140	M16 X 140	18	80	40	220	5 - 8	28000
HGEPWA16/180	M16 X 180	18	80	82	220	5 - 8	28000
HGEPWA16/220	M16 X 220	18	80	120	220	5 - 8	28000
HGEPWA20/125	M20 X 125	22	85	15	220	5 - 8	29000
HGEPWA20/160	M20 X 160	22	100	40	220	5 - 8	39000
HGEPWA20/200	M20 X 200	22	100	80	220	5 - 8	39000
HGEPWA20/300	M20 X 300	22	100	180	220	5 - 8	39000

NOTE:- 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.  
2. OTHER FINISH ALSO AVAILABLE ON REQUEST.





## DRAW IN ANCHOR



### FEATURES AND BENEFITS.

**Description:-**

- \* Can be used with standard hex bolt or stud
- \* The extending tonques prevent co-rotation during installation.
- \* Bolt length,  $l = L + t$ .
- \* Stud length,  $l = L + t + \text{thickness of washer \& nut}$ .
- \* A safe working load should not exceed 25% stated values.

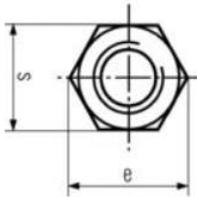
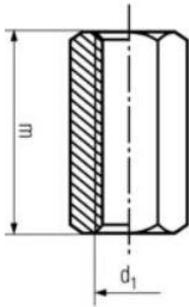
Product Code	Size (mm)	Shield Length (mm)	Hole Diameter (mm)	Length Of Anchor (mm)	Microns ( $\mu$ )
HGEPDWA06	M6	45	12	40	5 - 8
HGEPDWA08	M8	50	14	50	5 - 8
HGEPDWA10	M10	60	16	60	5 - 8
HGEPDWA12	M12	75	20	65	5 - 8
HGEPDWA16	M16	115	25	90	5 - 8
HGEPDWA20	M20	130	32	115	5 - 8

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.  
2. OTHER FINISH ALSO AVAILABLE ON REQUEST.





## HEX COUPLING NUT



### FEATURES AND BENEFITS.

<b>Material:-</b>	Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.
<b>Standards:-</b>	ASTM/ ASME/ DIN/ BS EN ISO / JIS.
<b>Threads:-</b>	UNC, 8UN, UNF, Metric Coarse and Metric Fine.
<b>Size Range:-</b>	M6 to M64 in Metric series ¼" to 2½" in Imperial Bigger sizes can be manufactured as per order.

### \* Offering Information :-

- Dimensions – Size.
- Standards and Grade
- Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc)

Product Code	Size (d1) mm	Pitch (mm)	Across Corner (e) mm	Across Flat (S) mm	Length (m) mm
HGEPHCN06	M6	1	11.05	10	18
HGEPHCN08	M8	1.25	14.38	13	24
HGEPHCN10	M10	1.5	18.9	17	30
HGEPHCN12	M12	1.75	21.1	19	36
HGEPHCN14	M14	2	24.49	22	42
HGEPHCN16	M16	2	26.75	24	48
HGEPHCN18	M18	2.5	29.56	27	54
HGEPHCN20	M20	2.5	32.95	30	60
HGEPHCN22	M22	2.5	35.03	32	66
HGEPHCN24	M24	3	39.55	36	72
HGEPHCN27	M27	3	45.2	41	81
HGEPHCN30	M30	3.5	50.85	46	90
HGEPHCN36	M36	4	60.79	55	108

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

2. OTHER FINISH ALSO AVAILABLE ON REQUEST.





## SLIDE NUT / CHANNEL NUT / SPRING NUT



### FEATURES AND BENEFITS.

<b>Description:-</b>	* For all types of Strut Rail * For tight fixing of accessories (e.g. Connectors) on rail.
<b>Material:-</b>	Steel, other materials on request
<b>Special:-</b>	* Electro galvanized as per ASTM B 633. * Galvanized as per ASTM A 123 / A123M.

Product Code	Size (mm)	Spring Length (mm)	For Rail	T (max.) (Nm)	Max Load (N)	Box Quantity
HGEPSN06	M6	NA	Strut	7.5	5300	1500
HGEPSN08	M8	NA	Strut	15	6000	1500
HGEPSN10	M10	NA	Strut	15	9500	1000
HGEPSN12	M12	NA	Strut	30	10000	1000
HGEPSNS06	M6	13	Strut 41 x 21	7.5	5300	1200
HGEPSNS08	M8	13	Strut 41 x 21	15	6000	1200
HGEPSNS10	M10	13	Strut 41 x 21	15	9500	1000
HGEPSNS12	M12	13	Strut 41 x 21	30	10000	1000
HGEPSNL06	M6	33	Strut 41 x 41	7.5	5300	1000
HGEPSNL08	M8	33	Strut 41 x 41	15	6000	1000
HGEPSNL10	M10	33	Strut 41 x 41	15	9500	800
HGEPSNL12	M12	33	Strut 41 x 41	30	10000	800

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

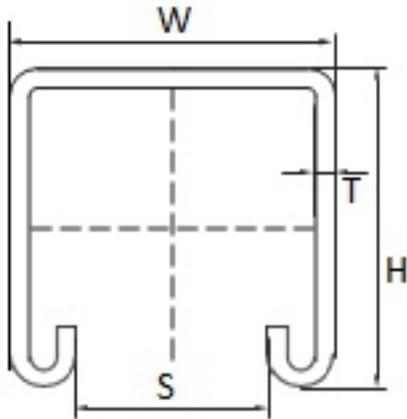
2. a. EP - MICRONS : 5 $\mu$  - 8 $\mu$

b. HDG - MICRONS : 70 $\mu$  - 95 $\mu$





## STRUT CHANNEL



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Universal rail system.</li> <li>* With continuous perforation (on request without perforation).</li> <li>* Distance between rail end and first hole is always equal.</li> <li>* A continuous graduated centimetre scale on one side.</li> <li>* Yield strength 240 N/mm<sup>2</sup>.</li> <li>* Tested for fire safety.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> </ul>

Product Code	W mm	Size H mm	T mm	Length L mtr.	S mm	Bundle Quantity Pcs
HGEPSC21-1.5	41	21	1.5	2,3 or 6	22	12
HGEPSC41-1.5	41	41	1.5	2,3 or 6	22	8
HGEPSC21-2	41	21	2	2,3 or 6	22	12
HGEPSC41-2	41	41	2	2,3 or 6	22	8
HGEPSC21-2.5	41	21	2.5	2,3 or 6	22	12
HGEPSC41-2.5	41	41	2.5	2,3 or 6	22	8

Product Code	Unit	HGEPSC21-1.5	HGEPSC41-1.5	HGEPSC21-2	HGEPSC41-2	HGEPSC21-2.5	HGEPSC41-2.5
Area of Shear	cm <sup>2</sup>	0.42	1.02	0.55	1.34	0.67	1.67
Moment of Inertia (xx)	cm	0.7	3.87	0.88	4.59	1.03	5.87
Moment of Inertia (yy)	cm	3.34	5.68	4.25	6.99	5.07	8.76
Min. Section Modulus	cm	0.6	1.76	0.75	2.18	0.89	2.72
Warping Constant	cm	17.49	114.17	21.34	138.49	24.34	171.52
Torsional Constant	cm	0.01	0.02	0.02	0.03	0.06	0.07
Allowable Bending Stress	kN/cm <sup>2</sup>	21.82	21.82	21.82	21.82	21.82	21.82
Allowable Shear Stress	kN/cm <sup>2</sup>	12.6	12.6	12.6	12.6	12.6	12.6
Modulus of Elasticity	kN/cm <sup>2</sup>	21	21	21	21	21	21

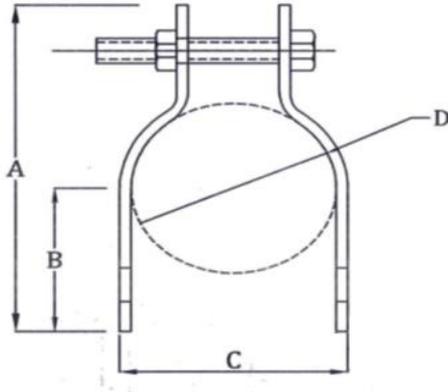
NOTE:- 1. WITH AND WITHOUT SLOT OPTIONS AVAILABLE.

2. a. EP - MICRONS : 8μ - 15μ
- b. HDG - MICRONS : 70μ - 95μ





## STRUT CLAMP



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Two-part clamp.</li> <li>* For direct fixing of pipes to Strut Rail.</li> <li>* Both ends suitable for locating into Strut Rail.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Galvanized as per ASTM A 123 / A 123M.</li> <li>* Designed to meet MSS Standard SP-58, type 24 and SP-69.</li> </ul>

Product Code	Nominal Pipe Size		Pipe OD (D) mm	(A) mm	(B) mm	(C) mm	Fasteners Size	Box Qty.
	In.	mm						
HGEPSCP022	½"	DN15	21.3	50.5	14.2	25	M 6 X 25	500
HGEPSCP027	¾"	DN20	26.7	57.1	17.5	30	M 6 X 25	400
HGEPSCP034	1"	DN25	33.4	63.8	20.6	38	M 6 X 25	350
HGEPSCP042	1 ¼"	DN32	42.1	76.2	25.4	46	M 6 X 25	300
HGEPSCP048	1 ½"	DN40	48.2	81.5	28.4	52	M 6 X 25	250
HGEPSCP060	2"	DN50	60.3	95.8	34.8	65	M 8 X 40	200
HGEPSCP073	2 ½"	DN65	73	108.7	41.1	78	M 8 X 40	150
HGEPSCP090	3"	DN80	88.9	128.3	50.8	94	M 8 X 40	100
HGEPSCP114	4"	DN100	114.3	153.7	63.5	120	M 8 X 40	75
HGEPSCP168	6"	DN150	168.3	220	106	172	M 8 X 40	50

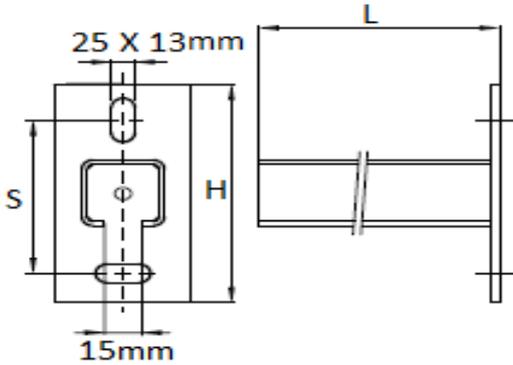
**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 8μ - 15μ
- b. HDG - MICRONS : 70μ - 95μ





## CANTILEVER ARM



### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Wall plate with welded C-profile.</li> <li>* Perfectly suitable for hanging to the ceiling.</li> <li>* Slots at 90° to each other to simplify fixing Strut Rail</li> <li>* CO2 welded.</li> <li>* A continuous graduated centimetre scale on one side.</li> <li>* Suitable for in- and outdoor applications.</li> <li>* Stands min. 1000 hours salt spray test (max. 5% red rust) according to ISO 9227.</li> </ul>
<b>Material:-</b>	Steel, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633</li> <li>* Electro galvanized as per ASTM A 123 / A 123M.</li> </ul>

Product Code	Channel Size	Slot Size mm	(S) mm	Length (L) mm	(H) mm	Max Load				Box Quantity
						F1 (N)	F2 (N)	F3 (N)	F4 (N)	
HGEPCA41/150	41 x 41	13 X 25	90	150	130	6100	3000	3000	2000	20
HGEPCA41/300	41 x 41	13 X 25	90	300	130	3000	1500	1500	1000	20
HGEPCA41/450	41 x 41	13 X 25	90	450	130	2000	1000	1000	650	5
HGEPCA41/600	41 x 41	13 X 25	90	600	130	1500	750	750	500	2
HGEPCA41/750	41 x 41	13 X 25	90	750	130	1250	600	600	400	1
HGEPCA21/150	21 X 21	13 X 25	70	150	110	2000	1000	1000	650	20
HGEPCA21/300	21 X 21	13 X 25	70	300	110	1000	500	500	330	20
HGEPCA21/450	21 X 21	13 X 25	70	450	110	670	330	330	220	5

**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

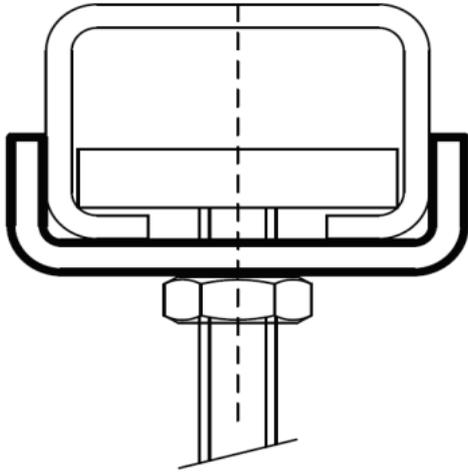
2. a. EP - MICRONS : 8μ - 15μ

b. HDG - MICRONS : 70μ - 95μ





## C WASHER



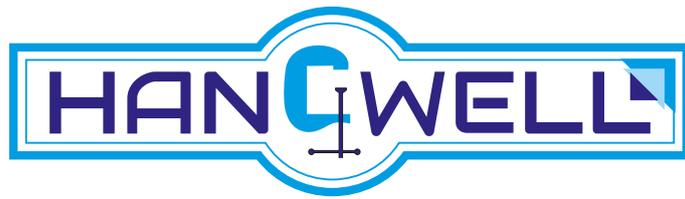
### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* Wall plate with welded C-profile.</li> <li>* Perfectly suitable for hanging to the ceiling</li> <li>* Slots at 90° to each other to simplify fixing Strut Rail.</li> <li>* CO2 welded</li> <li>* A continuous graduated centimetre scale on one side</li> <li>* Suitable for in- and outdoor applications.</li> <li>* Stands min. 1000 hours salt spray test (max. 5% red rust) according to ISO 9227</li> </ul>
<b>Material:-</b>	Steel, other materials on request
<b>Special:-</b>	* Electro galvanized as per ASTM B 633

Product Code	Channel Size	Slot Size mm	(S) mm	Length (L) mm	(H) mm	Max Load				Microns (μ)	Box Quantity
						F1 (N)	F2 (N)	F3 (N)	F4 (N)		
HGEPCA41/150	41 x 41	13 X 25	90	150	130	6100	3000	3000	2000	8 - 15	20
HGEPCA41/300	41 x 41	13 X 25	90	300	130	3000	1500	1500	1000	8 - 15	20
HGEPCA41/450	41 x 41	13 X 25	90	450	130	2000	1000	1000	650	8 - 15	5
HGEPCA41/600	41 x 41	13 X 25	90	600	130	1500	750	750	500	8 - 15	2
HGEPCA41/750	41 x 41	13 X 25	90	750	130	1250	600	600	400	8 - 15	1
HGEPCA21/150	21 X 21	13 X 25	70	150	110	2000	1000	1000	650	8 - 15	20
HGEPCA21/300	21 X 21	13 X 25	70	300	110	1000	500	500	330	8 - 15	20
HGEPCA21/450	21 X 21	13 X 25	70	450	110	670	330	330	220	8 - 15	5

**NOTE:-** 1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.





## CONTACT US

### MANUFACTURING PLANT

FIXES GLOBAL PVT. LTD.  
19/211 A Maya Puri, Shiv Chowk,  
Pala Shaibabad, Aligarh- 202001.  
UP (India)

### HEAD OFFICE

FIXES GLOBAL PVT. LTD.  
19/211 A Maya Puri, Shiv Chowk,  
Pala Sahibabad, Aligarh 202001,  
UP (INDIA)

### OVERSEAS OFFICE

NICE DEAL ELECTRICAL & TRADING WLL  
Shop No.34, Building No- 7 Barwa Village,  
Doha (Qatar). PO Box:- 37016.

EMAIL ID

[sales@hangwellworld.com](mailto:sales@hangwellworld.com)