



# VOLTAIC



## Pipe Hangers & Support System

[www.voltaicworld.org](http://www.voltaicworld.org)  
e mail : [sales@voltaicworld.org](mailto:sales@voltaicworld.org)



## ABOUT US

### UL Listed Pipe Hangers & Supports :-

**VOLTAIC** is the registered trade mark for "Fixes Global PV T 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 2024 we have introduced our own brand in the name of "**VOLTAIC**". We are now dealing directly with Consultants and Contractors. Our Pipe Hangers are UL certified. We are in process for FM Approvals as well. "**VOLTAIC** " 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 all customer needs such as Product selection, custom design, load calculations and Instructions for installations.

### Quality Assurance and Quality Control.

"**VOLTAIC** " 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 is 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. Spectre Testing Machine:** For Chemical/Spectra testing of Raw Materials.





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





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## Product Compliance

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

This is to certify that " **VOLTAIC** " 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 VOLTAIC 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 VOLTAIC 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.





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**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 iron or Steel Products.

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



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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  
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**CLEVIS HANGER**



**CLEVIS HANGER WITH  
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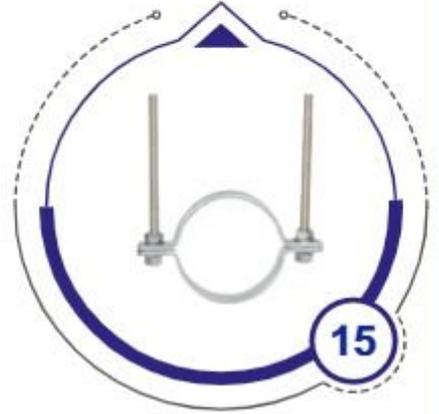
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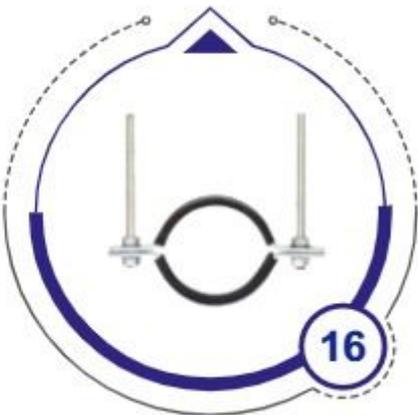
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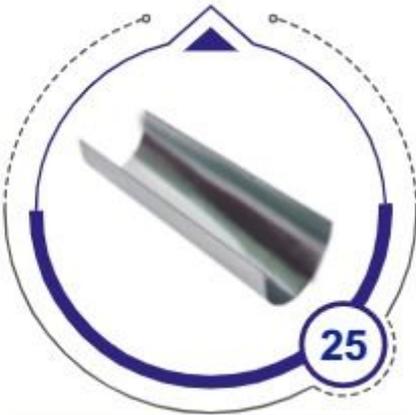
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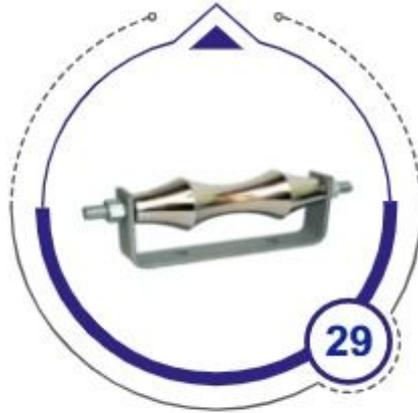
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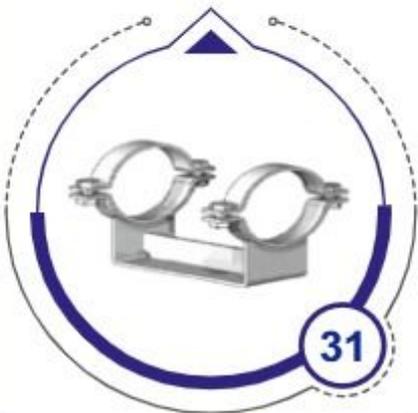
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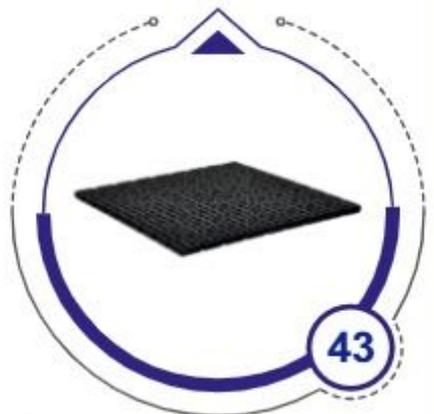
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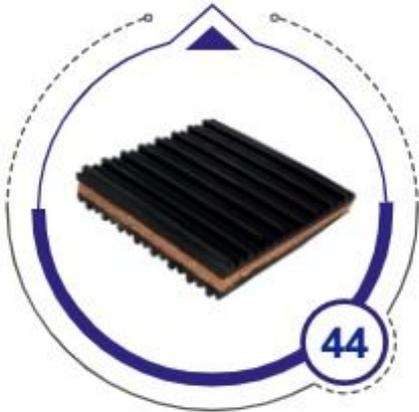


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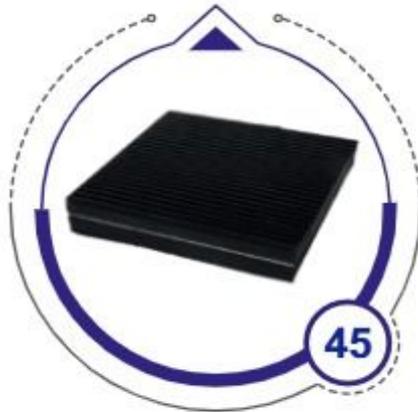
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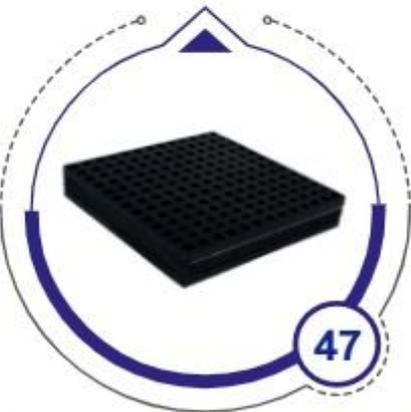
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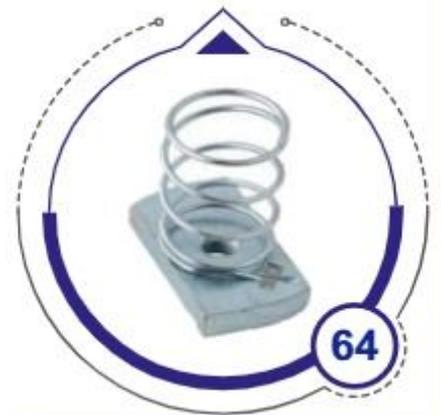
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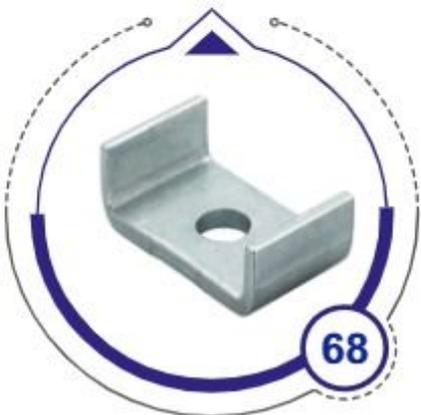
**STRUT CHANNEL**



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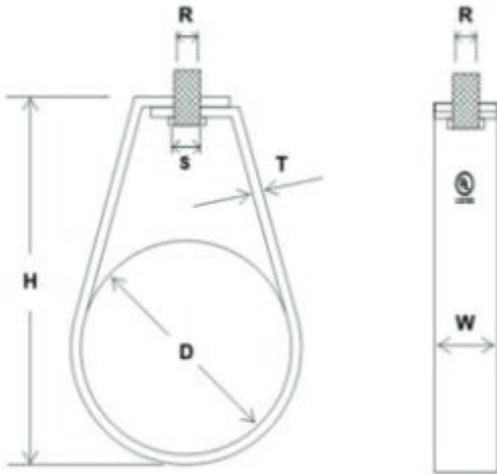
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**C WASHER**



## 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

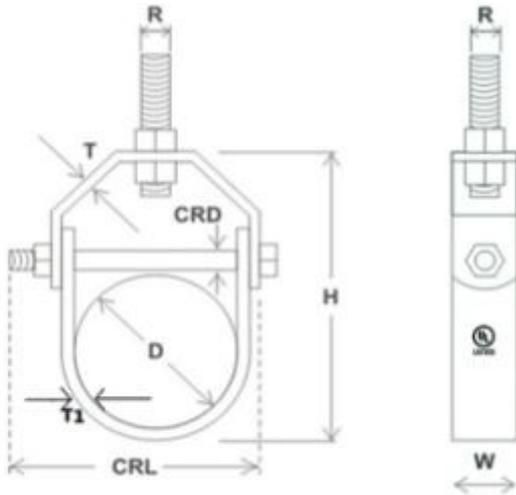
Product Code.	Pipe Size		Height (H) mm	Top Hole Diameter S (mm)	Hanger Rod. (R) mm	Surface Coating Thickness microns $\mu$	Maximum Load (N)
	Size Inch	Diameter (D) mm					
FG-LSH-07	3/4"	26.67	60.0	13.0	M10	13+	3336
FG-LSH-10	1"	33.40	69.0	13.0	M10	13+	3336
FG-LSH-12	1.1/4"	42.16	78.0	13.0	M10	13+	3336
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

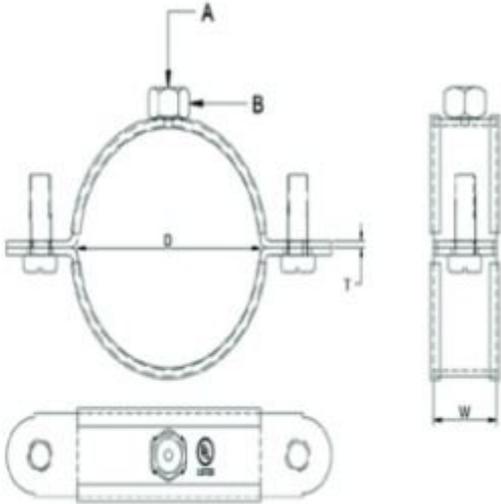
Product Code	Pipe Size		Height (H) mm	Hanger Rod (R )	Top Hole Dia (d1) mm $\pm 0.5$ mm	BOLT CRD (mm) X CRL (mm) length $\pm 10.0$ mm	Surface Coating Specifications	Maximum Load (N)
	Size	Diameter (D)					microns $\mu$	
	Inch	mm						
FG-LCH-07	3/4"	26.67	88.0	M10	11.0	M8 X 55 mm	13+	3336
FG-LCH-10	1"	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

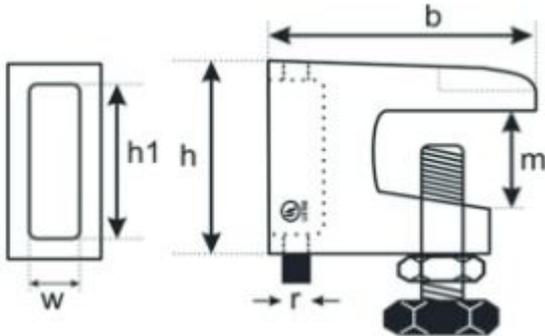
Product Code	NPS	Rod Size mm (A)	Hex Nut size (B)	Lining Composition (EPDM Rubber)	Side Screw Size	Surface Coating Thickness	Maximum Load (N)
FG-LNC-05	1/2"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	3336
FG-LNC-07	3/4"	M10	M10	Hardness : Shore A 60-75	M6 X 18mm	13+ microns	3336
FG-LNC-10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

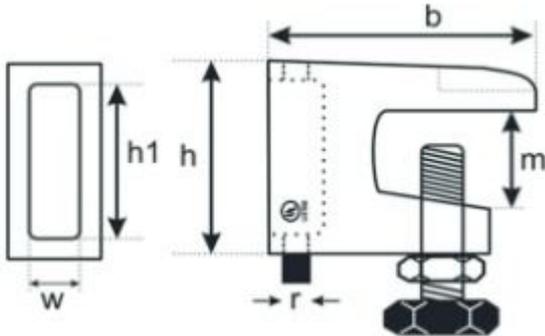
Table No LBM-01. Universal Beam Clamp Specification

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 Botom 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.

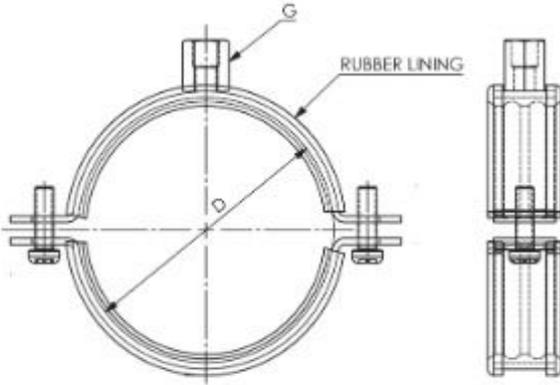
Table No LBMT-01.Beam Clamp Specification

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, Aluminum, other materials on request.
<b>Special:-</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
VTEPNCR018	3/8"	DN10	17.1	15-1 9	M8 X M10	M6	1500	500
VTEPNCR022	1/2"	DN15	21.3	20-2 5	M8 X M10	M6	1500	400
VTEPNCR027	3/4"	DN20	26.7	26-3 0	M8 X M10	M6	1500	350
VTEPNCR034	1"	DN25	33.4	32-3 6	M8 X M10	M6	1500	300
VTEPNCR042	1 1/4"	DN32	42.1	38-4 3	M8 X M10	M6	1500	250
VTEPNCR048	1 1/2"	DN40	48.2	47-5 1	M8 X M10	M6	1500	225
VTEPNCR054	---	---	54	53-5 8	M8 X M10	M6	1500	160
VTEPNCR060	2"	DN50	60.3	60-6 4	M8 X M10	M6	1500	160
VTEPNCR063	---	---	63	63-6 6	M8 X M10	M6	2000	160
VTEPNCR070	---	---	70	68-7 2	M8 X M10	M6	2000	150
VTEPNCR073	2 1/2"	DN65	73	74-8 0	M8 X M10	M6	2000	150
VTEPNCR083	---	---	83	81-8 6	M8 X M10	M6	2000	125
VTEPNCR090	3"	DN80	88.9	87-9 2	M8 X M10	M6	2000	120
VTEPNCR101	3 1/2"	DN90	101.6	99-10 5	M8 X M10	M6	2000	110
VTEPNCR110	---	---	110	107-11 2	M8 X M10	M6	2000	100
VTEPNCR114	4"	DN100	114.3	113-11 8	M8 X M10	M6	2500	100
VTEPNCR125	---	---	125	125-13 0	M8 X M10	M6	2500	75
VTEPNCR133	---	---	133	131-13 7	M8 X M10	M6	2500	75
VTEPNCR141	5"	DN125	141.3	138-14 2	M8 X M10	M6	2500	60
VTEPNCR150	---	---	150	148-15 3	M8 X M10	M6	2500	60
VTEPNCR160	---	---	160	159-16 6	M8 X M10	M6	2500	60
VTEPNCR168	6"	DN150	168.3	168-17 2	M8 X M10	M6	2500	60
VTEPNCR219	8"	DN200	219.1	215-22 0	M8 X M10	M8	3000	40
VTEPNCR273	10"	DN250	273	269-27 4	M8 X M10	M8	3000	20
VTEPNCR323	12"	DN300	323.8	313-31 8	M8 X M10	M8	3000	10

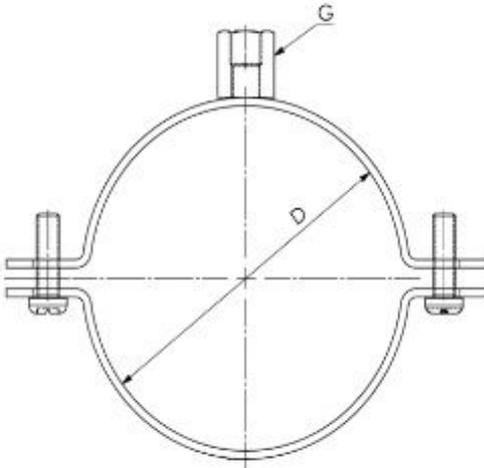
NOTE:- 1. TOP NUT IS AS PER CUSTOMERS REQUIREMENT WE PROVIDE M8X10 DUAL NUT, WE CAN ALSO PROVIDE IN HEX NUTS AND ALSO LONG HEX NUTS.

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, Aluminum, other materials on request.
<b>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM 633.</li> <li>* Galvanized ASTM A 123 / A 123M.</li> </ul>

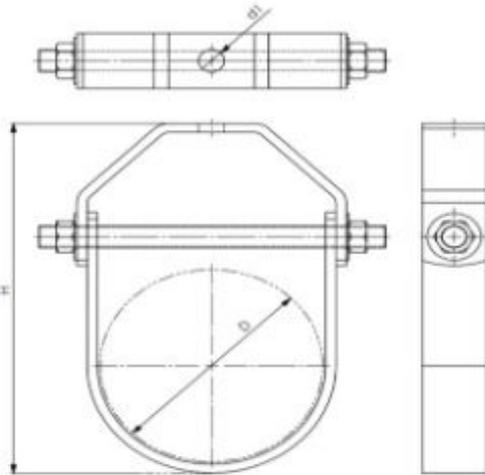
Product Code	Nominal Pipe Size In.	PIPE OD mm	Range (mm)	Top Nut (G)	Side Screw (A) Size	Max Load	Box Quantity	
VTEPNC018	3/8"	DN10	17.1	1519	M8 X M10	M6	1500	600
VTEPNC022	1/2"	DN15	21.3	2025	M8 X M10	M6	1500	500
VTEPNC027	3/4"	DN20	26.7	2630	M8 X M10	M6	1500	400
VTEPNC034	1"	DN25	33.4	3236	M8 X M10	M6	1500	350
VTEPNC042	1 1/4"	DN32	42.1	3843	M8 X M10	M6	1500	300
VTEPNC048	1 1/2"	DN40	48.2	4751	M8 X M10	M6	1500	250
VTEPNC054	---	---	54	5358	M8 X M10	M6	1500	250
VTEPNC060	2"	DN50	60.3	6064	M8 X M10	M6	1500	225
VTEPNC063	---	---	63	6366	M8 X M10	M6	2000	225
VTEPNC070	---	---	70	68-72	M8 X M10	M6	2000	200
VTEPNC073	2 1/4"	DN65	73	7480	M8 X M10	M6	2000	200
VTEPNC083	---	---	83	8186	M8 X M10	M6	2000	200
VTEPNC090	3"	DN80	88.9	8792	M8 X M10	M6	2000	150
VTEPNC101	3 1/2"	DN90	101.6	99105	M8 X M10	M6	2000	150
VTEPNC110	---	---	110	107112	M8 X M10	M6	2000	150
VTEPNC114	4"	DN100	114.3	113118	M8 X M10	M6	2500	125
VTEPNC125	---	---	125	125130	M8 X M10	M6	2500	125
VTEPNC141	5"	DN125	141.3	138142	M8 X M10	M6	2500	100
VTEPNC150	---	---	150	148153	M8 X M10	M6	2500	100
VTEPNC160	---	---	160	159166	M8 X M10	M6	2500	75
VTEPNC168	6"	DN150	168.3	168172	M8 X M10	M6	2500	75
VTEPNC219	8"	DN200	219.1	215220	M8 X M10	M8	3000	50
VTEPNC273	10"	DN250	273	269274	M8 X M10	M8	3000	30
VTEPNC323	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>Special:-</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>

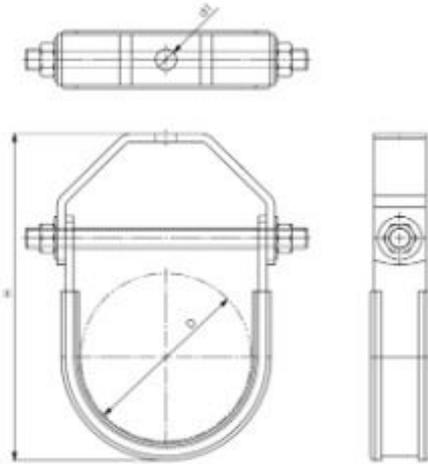
Product Code	Nominal Pipe Size In.	Pipe OD (D) mm	Height (H) mm	Top Hole Dia (d1) mm	Hanger Rod Size (mm)	Cross Bolt Dia. (CRD)	Max Load (N)	Box Quantity	
VTEPCH022	½"	DN15	21.3	80.0	11	M10	M8	4000	300
VTEPCH027	¾"	DN20	26.7	85.0	11	M10	M8	4000	300
VTEPCH034	1"	DN25	33.4	99.0	11	M10	M8	4000	250
VTEPCH042	1½"	DN32	42.1	107.0	11	M10	M8	4000	150
VTEPCH048	1½"	DN40	48.2	109.0	11	M10	M8	4000	150
VTEPCH060	2"	DN50	60.3	128.0	11	M10	M8	4000	100
VTEPCH073	1½"	DN65	73	158.0	13	M12	M10	6500	60
VTEPCH090	3"	DN80	88.9	171.0	13	M12	M10	6500	40
VTEPCH101	1½"	DN90	101.6	179.0	13	M12	M10	6500	30
VTEPCH114	4"	DN100	114.3	204.0	13	M12	M10	8000	25
VTEPCH141	5"	DN125	141.3	235.0	17	M16	M12	8000	15
VTEPCH168	6"	DN150	168.3	265.0	17	M16	M12	11000	12
VTEPCH219	8"	DN200	219.1	333.0	17	M16	M12	11000	6
VTEPCH273	10"	DN250	273.1	390.0	21	M20	M16	15000	5
VTEPCH323	12"	DN300	323.8	465.0	21	M20	M16	15000	5
VTEPCH355	14"	DN350	355.6	525.0	21	M20	M20	17500	3
VTEPCH406	16"	DN400	406.4	575.0	25	M24	M24	17500	2
VTEPCH457	18"	DN450	457.2	650.0	25	M24	M24	17500	2
VTEPCH508	20"	DN500	508	705.0	32	M30	M24	22000	1
VTEPCH610	24"	DN600	609.6	815.0	32	M30	M24	27000	1
VTEPCH762	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 - 95µWE





## 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>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 1 and SP-69.</li> </ul>  |

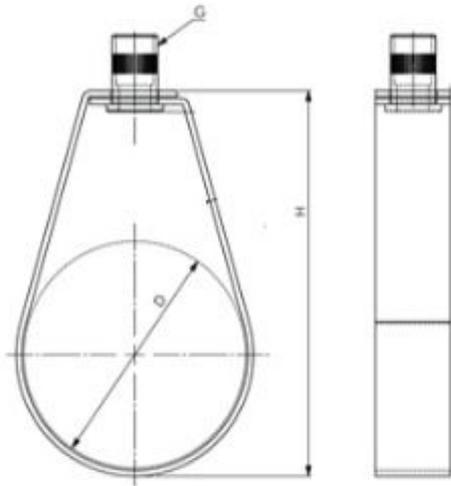
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Height (H) mm	Top Hole Dia (d1) mm	Hanger Rod Size (mm)	Cross Bolt Dia. (CRD)	Max Load (N)	Microns (µ)	Box Quantity
	In.	mm								
VTEPCHR022	½"	DN15	21.3	80.0	11	M10	M8	4000	8-15	300
VTEPCHR027	¾"	DN20	26.7	85.0	11	M10	M8	4000	8-15	300
VTEPCHR034	1"	DN25	33.4	99.0	11	M10	M8	4000	8-15	250
VTEPCHR042	1 ¼"	DN32	42.1	107.0	11	M10	M8	4000	8-15	150
VTEPCHR048	1 ½"	DN40	48.2	109.0	11	M10	M8	4000	8-15	150
VTEPCHR060	2"	DN50	60.3	128.0	11	M10	M8	4000	8-15	100
VTEPCHR073	1 ½"	DN65	73	158.0	13	M12	M10	6500	8-15	60
VTEPCHR090	3"	DN80	88.9	171.0	13	M12	M10	6500	8-15	40
VTEPCHR101	3 ½"	DN90	101.6	179.0	13	M12	M10	6500	8-15	30
VTEPCHR114	4"	DN100	114.3	204.0	13	M12	M10	8000	8-15	25
VTEPCHR141	5"	DN125	141.3	235.0	17	M16	M12	8000	8-15	15
VTEPCHR168	6"	DN150	168.3	265.0	17	M16	M12	11000	8-15	12
VTEPCHR219	8"	DN200	219.1	333.0	17	M16	M12	11000	8-15	6
VTEPCHR273	10"	DN250	273.1	390.0	21	M20	M16	15000	8-15	5
VTEPCHR323	12"	DN300	323.8	465.0	21	M20	M16	15000	8-15	5
VTEPCHR355	14"	DN350	355.6	525.0	21	M20	M20	17500	8-15	3
VTEPCHR406	16"	DN400	406.4	575.0	25	M24	M24	17500	8-15	2
VTEPCHR457	18"	DN450	457.2	650.0	25	M24	M24	17500	8-15	2
VTEPCHR508	20"	DN500	508	705.0	32	M30	M24	22000	8-15	1
VTEPCHR610	24"	DN600	609.6	815.0	32	M30	M24	27000	8-15	1
VTEPCHR762	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 installations.</li> </ul>
<b>Material:-</b>	Mild 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 10 and SP 69.</li> </ul>

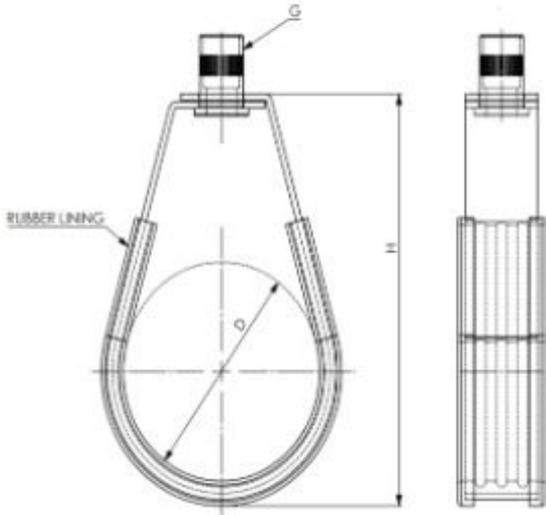
Product Code	Nominal Pipe Size		Pipe OD (D)	Height	Hanger Rod (G)		Max Load (N)	Box Quantity.
	Inches.	(mm)	mm	(H) mm	inches	mm		
VTEPSH027	¾"	DN20	26.7	61	3/8"	M10	3000	350
VTEPSH034	1"	DN25	33.4	70	3/8"	M10	3000	300
VTEPSH042	1¼"	DN32	42.1	78	3/8"	M10	3000	250
VTEPSH048	1½"	DN40	48.2	84	3/8"	M10	3000	200
VTEPSH060	2"	DN50	60.3	102	3/8"	M10	3000	150
VTEPSH073	1½"	DN65	73	118	3/8"	M10	4500	125
VTEPSH090	3"	DN80	88.9	144	3/8"	M10	4500	80
VTEPSH114	4"	DN100	114.3	176	3/8"	M10	5500	60
VTEPSH141	5"	DN125	141.3	220	1/2"	M12	6500	40
VTEPSH168	6"	DN150	168.3	262	1/2"	M12	7500	25
VTEPSH219	8"	DN200	219.1	305	1/2"	M12	9000	12
VTEPSH273	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 installations.</li> </ul> |
| <b>Material:-</b>    | Mild steel, other materials on request.  |
| <b>Special:-</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) mm	Height (H) mm	Hanger Rod (G)		Max Load Microns (N)	Box Quantity.	
	Inches.	(mm)			Inches	mm			
VTEPSHR027	3/4"	DN20	26.7	61	3/8"	M10	3000	8-15	350
VTEPSHR034	1"	DN25	33.4	70	3/8"	M10	3000	8-15	300
VTEPSHR042	1 1/4"	DN32	42.1	78	3/8"	M10	3000	8-15	250
VTEPSHR048	1 1/2"	DN40	48.2	84	3/8"	M10	3000	8-15	200
VTEPSHR060	2"	DN50	60.3	102	3/8"	M10	3000	8-15	150
VTEPSHR073	1 1/2"	DN65	73	118	3/8"	M10	4500	8-15	125
VTEPSHR090	3"	DN80	88.9	144	3/8"	M10	4500	8-15	80
VTEPSHR114	4"	DN100	114.3	176	3/8"	M10	5500	8-15	60
VTEPSHR141	5"	DN125	141.3	220	1/2"	M12	6500	8-15	40
VTEPSHR168	6"	DN150	168.3	262	1/2"	M12	7500	8-15	25
VTEPSHR219	8"	DN200	219.1	305	1/2"	M12	9000	8-15	12
VTEPSHR273	10"	DN250	273	320	1/2"	M12	9000	8-15	5

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

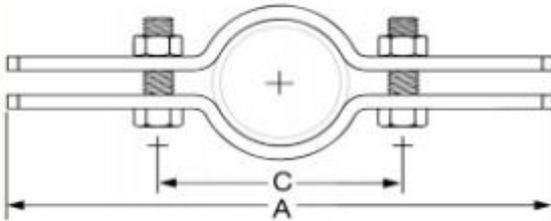




## RISER HANGER

### 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>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, SP-58-2002, type 8 and SP-69.</li> </ul>



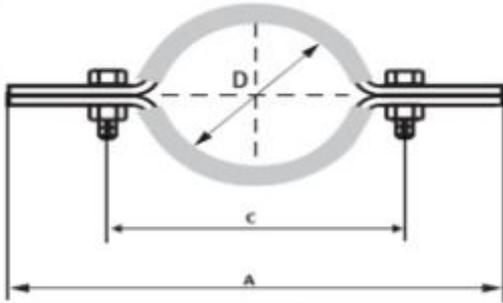
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Total length (A) mm	Length Between Bolts (C)mm	Hole Size mm	Max Load (N)	Box Quantity
	In.	mm						
VTEPRH022	½"	DN15	21.3	216	59	11	4000	50
VTEPRH027	¾"	DN20	26.7	227	68	11	4000	50
VTEPRH034	1"	DN25	33.4	227	71	11	4000	50
VTEPRH042	1 ¼"	DN32	42.1	240	83	11	4000	50
VTEPRH048	1 ½"	DN40	48.2	251	96	11	4000	50
VTEPRH060	2"	DN50	60.3	260	106	11	4000	40
VTEPRH073	2 ½"	DN65	73	280	124	11	6500	40
VTEPRH090	3"	DN80	88.9	298	140	11	6500	30
VTEPRH114	4"	DN100	114.3	321	165	13	8000	20
VTEPRH141	5"	DN125	141.3	330	168	13	8000	15
VTEPRH168	6"	DN150	168.3	368	210	13	11000	10
VTEPRH219	8"	DN200	219.1	406	244	17	11000	5
VTEPRH273	10"	DN250	273.1	464	311	17	15000	1
VTEPRH323	12"	DN300	323.8	524	371	17	15000	1
VTEPRH355	14"	DN350	355.6	581	435	17	17500	1
VTEPRH406	16"	DN400	406.4	622	464	17	17500	1
VTEPRH457	18"	DN450	457.2	686	533	21	17500	1
VTEPRH508	20"	DN500	508	750	600	21	22000	1
VTEPRH610	24"	DN600	609.6	850	700	21	27000	1

- NOTE:-
1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.
  2. a. EP - MICRONS : 8μ - 15μ  
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>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58-2002, 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>

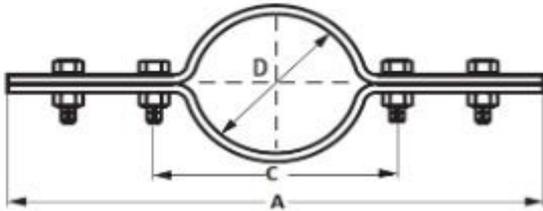
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Total length (A) mm	Length Between Bolts (C)mm	Hole Size mm	Max Load (N)	Microns (µ)	Box Quantity
	In.	mm							
VTEPRHR022	½"	DN15	21.3	216	59	11	4000	8-15	50
VTEPRHR027	¾"	DN20	26.7	227	68	11	4000	8-15	50
VTEPRHR034	1"	DN25	33.4	227	71	11	4000	8-15	50
VTEPRHR042	1 ¼"	DN32	42.1	240	83	11	4000	8-15	50
VTEPRHR048	1 ½"	DN40	48.2	251	96	11	4000	8-15	50
VTEPRHR060	2"	DN50	60.3	260	106	11	4000	8-15	40
VTEPRHR073	2 ½"	DN65	73	280	124	11	6500	8-15	40
VTEPRHR090	3"	DN80	88.9	298	140	11	6500	8-15	30
VTEPRHR114	4"	DN100	114.3	321	165	13	8000	8-15	20
VTEPRHR141	5"	DN125	141.3	330	168	13	8000	8-15	15
VTEPRHR168	6"	DN150	168.3	368	210	13	11000	8-15	10
VTEPRHR219	8"	DN200	219.1	406	244	17	11000	8-15	5
VTEPRHR273	10"	DN250	273.1	464	311	17	15000	8-15	1
VTEPRHR323	12"	DN300	323.8	524	371	17	15000	8-15	1
VTEPRHR355	14"	DN350	355.6	581	435	17	17500	8-15	1
VTEPRHR406	16"	DN400	406.4	622	464	17	17500	8-15	1
VTEPRHR457	18"	DN450	457.2	686	533	21	17500	8-15	1
VTEPRHR508	20"	DN500	508	750	600	21	22000	8-15	1
VTEPRHR610	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>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58-2002, type 8 and SP-69.</li> </ul>

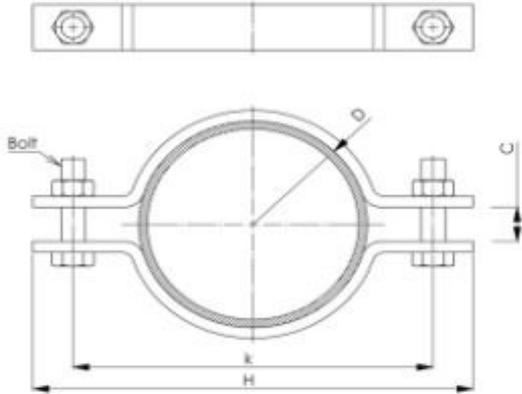
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Total length (A) mm	Length Between Bolts (C)mm	Hole Size mm	Max Load (N)	Microns (μ)	Box Quantity
	In.	mm							
VTEPRHF022	½"	DN15	21.3	216	59	11	4000	8-15	50
VTEPRHF027	¾"	DN20	26.7	227	68	11	4000	8-15	50
VTEPRHF034	1"	DN25	33.4	227	71	11	4000	8-15	50
VTEPRHF042	1 ¼"	DN32	42.1	240	83	11	4000	8-15	50
VTEPRHF048	1 ½"	DN40	48.2	251	96	11	4000	8-15	50
VTEPRHF060	2"	DN50	60.3	260	106	11	4000	8-15	40
VTEPRHF073	2 ½"	DN65	73	280	124	11	6500	8-15	40
VTEPRHF090	3"	DN80	88.9	298	140	11	6500	8-15	30
VTEPRHF114	4"	DN100	114.3	321	165	13	8000	8-15	20
VTEPRHF141	5"	DN125	141.3	330	168	13	8000	8-15	15
VTEPRHF168	6"	DN150	168.3	368	210	13	11000	8-15	10
VTEPRHF219	8"	DN200	219.1	406	244	17	11000	8-15	5
VTEPRHF273	10"	DN250	273.1	464	311	17	15000	8-15	1
VTEPRHF323	12"	DN300	323.8	524	371	17	15000	8-15	1
VTEPRHF355	14"	DN350	355.6	581	435	17	17500	8-15	1
VTEPRHF406	16"	DN400	406.4	622	464	17	17500	8-15	1
VTEPRHF457	18"	DN450	457.2	686	533	21	17500	8-15	1
VTEPRHF508	20"	DN500	508	750	600	21	22000	8-15	1
VTEPRHF610	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>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 8 and SP-69.</li> </ul> |

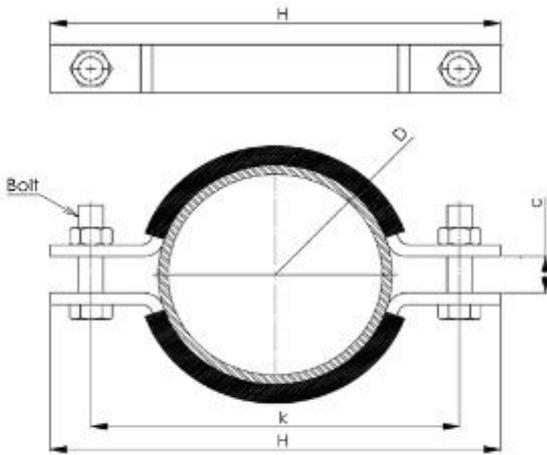
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Total length (H) mm	Length Between Bolts (k) mm	Gap (C) mm	Bolt Size mm	Max Load	Box Quantity
	In.	mm							
VTEPTBC022	½"	DN15	21.3	97	68	12	M10	1700	50
VTEPTBC027	¾"	DN20	26.7	105	76	12	M10	1700	50
VTEPTBC034	1"	DN25	33.4	113	84	12	M10	1700	50
VTEPTBC042	1 ¼"	DN32	42.1	121	92	12	M10	1700	50
VTEPTBC048	1 ½"	DN40	48.2	127	98	12	M10	1700	50
VTEPTBC060	2"	DN50	60.3	156	116	16	M10	1700	40
VTEPTBC073	2 ½"	DN65	73	182	142	16	M12	4000	40
VTEPTBC090	3"	DN80	88.9	196	156	16	M12	4000	30
VTEPTBC101	3 ½"	DN90	101	208	168	16	M12	4000	30
VTEPTBC114	4"	DN100	114.3	220	180	19	M12	4000	20
VTEPTBC141	5"	DN125	141.3	252	214	19	M16	6000	15
VTEPTBC168	6"	DN150	168.3	290	242	22	M16	6000	10
VTEPTBC219	8"	DN200	219.1	352	302	25	M16	11000	5
VTEPTBC273	10"	DN250	273.1	406	358	25	M16	12000	1
VTEPTBC323	12"	DN300	323.8	490	430	25	M20	15000	1
VTEPTBC355	14"	DN350	355.6	546	480	28	M20	15000	1
VTEPTBC406	16"	DN400	406.4	597	532	28	M20	22000	1
VTEPTBC457	18"	DN450	457.2	686	610	32	M20	20000	1
VTEPTBC508	20"	DN500	508	776	680	35	M20	22000	1
VTEPTBC610	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>Special:-</b>	<ul style="list-style-type: none"> <li>* Electro galvanized as per ASTM B 633.</li> <li>* Designed to meet MSS Standard SP-58-2002, 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>

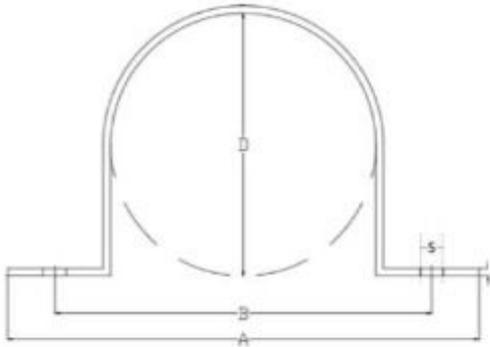
Product Code	Nominal Pipe Size		Pipe OD Total length		Length Between Bolts (k) mm	Gap (C) mm	Bolt Size mm	Max Load	Box Quantity
	In.	mm	(D) mm	(H) mm					
VTEPTBC022	½"	DN15	21.3	97	68	12	M10	1700	50
VTEPTBC027	¾"	DN20	26.7	105	76	12	M10	1700	50
VTEPTBC034	1"	DN25	33.4	113	84	12	M10	1700	50
VTEPTBC042	1 ¼"	DN32	42.1	121	92	12	M10	1700	50
VTEPTBC048	1 ½"	DN40	48.2	127	98	12	M10	1700	50
VTEPTBC060	2"	DN50	60.3	156	116	16	M10	1700	40
VTEPTBC073	2 ½"	DN65	73	182	142	16	M12	4000	40
VTEPTBC090	3"	DN80	88.9	196	156	16	M12	4000	30
VTEPTBC101	3 ½"	DN90	101	208	168	16	M12	4000	30
VTEPTBC114	4"	DN100	114.3	220	180	19	M12	4000	20
VTEPTBC141	5"	DN125	141.3	252	214	19	M16	6000	15
VTEPTBC168	6"	DN150	168.3	290	242	22	M16	6000	10
VTEPTBC219	8"	DN200	219.1	352	302	25	M16	11000	5
VTEPTBC273	10"	DN250	273.1	406	358	25	M16	12000	1
VTEPTBC323	12"	DN300	323.8	490	430	25	M20	15000	1
VTEPTBC355	14"	DN350	355.6	546	480	28	M20	15000	1
VTEPTBC406	16"	DN400	406.4	597	532	28	M20	22000	1
VTEPTBC457	18"	DN450	457.2	686	610	32	M20	20000	1
VTEPTBC508	20"	DN500	508	776	680	35	M20	22000	1
VTEPTBC610	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 holes 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>* 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						
VTEPUS018	3/8"	DN10	17.1	72	47	M11	4000	600
VTEPUS022	1/2"	DN15	21.3	76	51	M11	4000	500
VTEPUS027	3/4"	DN20	26.7	82	57	M11	4000	400
VTEPUS034	1"	DN25	33.4	89	64	M11	4000	400
VTEPUS042	1 1/4"	DN32	42.1	96	71	M11	4000	350
VTEPUS048	1 1/2"	DN40	48.2	102	77	M11	5000	300
VTEPUS054	-	-	54	108	83	M11	5000	250
VTEPUS060	2"	DN50	60.3	114	89	M11	5000	200
VTEPUS067	-	-	67.3	121	96	M11	5000	200
VTEPUS073	2 1/4"	DN65	82	145	113	M11	6000	150
VTEPUS082	-	-	88.9	152	120	M11	6000	150
VTEPUS090	3"	DN80	101.6	160	128	M11	6000	150
VTEPUS101	3 1/2"	DN90	108	170	138	M11	6000	150
VTEPUS108	-	-	114.3	178	146	M11	6000	125
VTEPUS114	4"	DN100	126	185	153	M11	6000	125
VTEPUS126	-	-	141.3	196	164	M11	6000	125
VTEPUS141	5"	DN125	148	210	178	M11	6000	100
VTEPUS148	-	-	155	218	186	M11	6000	100
VTEPUS155	-	-	168.3	225	193	M11	6000	100
VTEPUS168	6"	DN150	179	237	205	M11	8000	100
VTEPUS179	-	-	190	249	217	M11	8000	100
VTEPUS190	-	-	205	260	228	M11	8000	50
VTEPUS205	-	-	219.1	275	243	M11	8000	50
VTEPUS219	8"	DN200	230	289	257	M11	8000	50
VTEPUS230	-	-	241	300	268	M11	8000	30
VTEPUS241	-	-	263	332	291	M11	12500	30
VTEPUS263	-	-	273	354	313	M11	12500	30
VTEPUS273	10"	DN250	295	364	323	M13	12500	30
VTEPUS295	-	-	323.8	386	345	M13	12500	30
VTEPUS323	12"	DN300	355.6	417	376	M13	12500	30
VTEPUS356	14"	DN350	374	447	409	M13	18000	10
VTEPUS374	-	-	406.4	465	427	M13	18000	10
VTEPUS406	16"	DN400	432	497	459	M13	18000	10
VTEPUS432	-	-	457.2	523	485	M13	18000	10
VTEPUS457	18"	DN450	482	547	509	M17	18000	5
VTEPUS482	-	-	508.2	573	535	M17	18000	5
VTEPUS508	20"	DN500	533	599	561	M17	18000	5
VTEPUS533	-	-	559	624	586	M17	18000	5
VTEPUS559	-	-	583	650	612	M17	18000	5
VTEPUS583	-	-	609.6	674	636	M17	18000	5
VTEPUS610	24"	DN600	658	701	663	M17	18000	5
VTEPUS658	-	-	690	766	721	M17	23000	5
VTEPUS690	-	-	760	798	753	M17	23000	5
VTEPUS760	-	-	-	868	823	M17	23000	5





# VOLTAIC

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## U STRAP

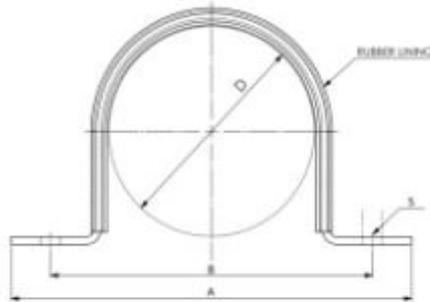
Product Code	Nominal Pipe Size		Pipe OD (D)	Overall Dimension	Distance Between Two	Hole Size (S)	Max Load (N)	Box Quantity
	In.	mm	mm			mm		
VTEPUS863	-		863	971	926	M17	23000	5
VTEPUS918	-		918	1026	981	M17	23000	5

- NOTE:-**
1. CUSTOMIZED DIMENSIONS AVAILABLE ON REQUEST.
  3. U STRAP OF ALL NON STANDARD SIZES TO FIT UPON RUBBER SUPPORT INSERT CAN BE MANUFACTURED.
  2. 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 holes 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>

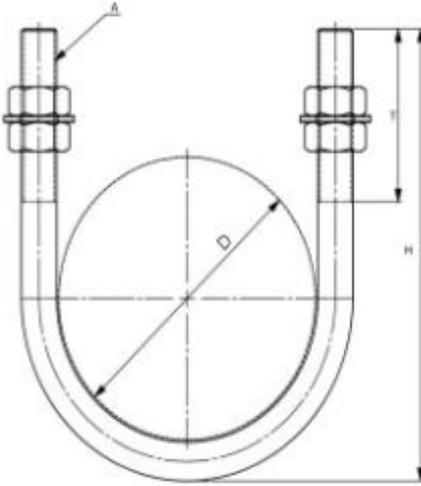
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Overall Dimension (A) mm	Distance Between Two Bolt (B) mm	Hole Size (S) mm	Max Load (N)	Box Quantity
	In.	mm						
VTEPUSR022	½"	DN15	21.3	78	54	M11	4000	500
VTEPUSR027	¾"	DN20	26.7	83	59	M11	4000	400
VTEPUSR034	1"	DN25	33.4	90	66	M11	4000	400
VTEPUSR042	1 ¼"	DN32	42.1	99	75	M11	4000	350
VTEPUSR048	1 ½"	DN40	48.2	104	80	M11	5000	300
VTEPUSR054	-		54	112	87	M11	5000	250
VTEPUSR060	2"	DN50	60.3	118	93	M11	5000	200
VTEPUSR073	2 ½"	DN65	73	131	106	M11	6000	150
VTEPUSR090	3"	DN80	88.9	151	126	M11	6000	150
VTEPUSR101	3 ½"	DN90	101.6	163	138	M11	6000	150
VTEPUSR110	-		110	172	147	M11	6000	125
VTEPUSR114	4"	DN100	114.3	176	151	M11	6000	125
VTEPUSR141	5"	DN125	141.3	203	178	M11	6000	100
VTEPUSR155	-		160	222	197	M11	6000	100
VTEPUSR168	6"	DN150	168.3	240	210	M13	8000	100
VTEPUSR219	8"	DN200	219.1	291	261	M13	8000	50
VTEPUSR273	10"	DN250	273	369	329	M13	12500	30
VTEPUSR323	12"	DN300	323.8	420	380	M13	12500	30
VTEPUSR356	14"	DN350	355.6	456	416	M17	18000	10
VTEPUSR406	16"	DN400	406.4	506	466	M17	18000	10
VTEPUSR457	18"	DN450	457.2	581	531	M21	18000	5
VTEPUSR508	20"	DN500	508.2	632	582	M21	18000	5
VTEPUSR610	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>

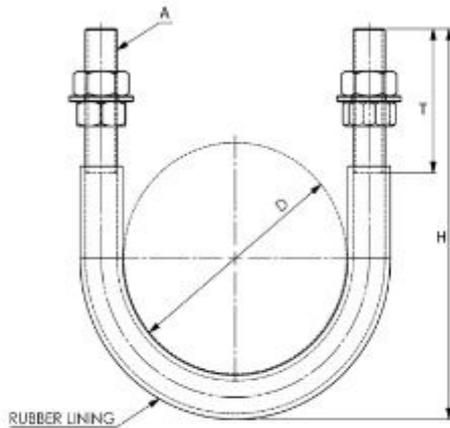
Product Code	Nominal Pipe Size In.	Nominal Pipe Size mm	Pipe OD (D) mm	Rod Size (A) mm	Height (H) mm	Thread Length (T) mm	Max Load (N)	Box Quantity
VTEPUB022	½"	DN15	21.3	M10	65	50	6000	400
VTEPUB027	¾"	DN20	26.7	M10	77	50	6000	350
VTEPUB034	1"	DN25	33.4	M10	85	50	6000	300
VTEPUB042	1¼"	DN32	42.1	M10	93	50	6000	250
VTEPUB048	1½"	DN40	48.2	M10	100	50	6000	225
VTEPUB060	2"	DN50	60.3	M10	110	50	6000	200
VTEPUB073	1½"	DN65	73	M12	127	50	10000	150
VTEPUB090	3"	DN80	88.9	M12	140	50	10000	100
VTEPUB114	4"	DN100	114.3	M12	165	50	10000	80
VTEPUB141	5"	DN125	141.3	M12	190	50	10000	70
VTEPUB168	6"	DN150	168.3	M12	220	50	10000	60
VTEPUB219	8"	DN200	219.1	M16	295	75	20000	40
VTEPUB273	10"	DN250	273	M20	370	100	32500	20
VTEPUB323	12"	DN300	323.8	M20	420	100	32500	20
VTEPUB356	14"	DN350	355.6	M20	455	100	32500	5
VTEPUB406	16"	DN400	406.4	M20	505	100	32500	5
VTEPUB457	18"	DN450	457.2	M24	555	100	45000	5
VTEPUB508	20"	DN500	508.2	M24	605	100	45000	5
VTEPUB610	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 Microns		Box Quantity
	In.	mm					(N)	(l)	
VTEPUBR022	½"	DN15	21.3	M10	65	50	6000	8-15	400
VTEPUBR027	¾"	DN20	26.7	M10	77	50	6000	8-15	350
VTEPUBR034	1"	DN25	33.4	M10	85	50	6000	8-15	300
VTEPUBR042	1¼"	DN32	42.1	M10	93	50	6000	8-15	250
VTEPUBR048	1½"	DN40	48.2	M10	100	50	6000	8-15	225
VTEPUBR060	2"	DN50	60.3	M10	110	50	6000	8-15	200
VTEPUBR073	1½"	DN65	73	M12	127	50	10000	8-15	150
VTEPUBR090	3"	DN80	88.9	M12	140	50	10000	8-15	100
VTEPUBR114	4"	DN100	114.3	M12	165	50	10000	8-15	80
VTEPUBR141	5"	DN125	141.3	M12	190	50	10000	8-15	70
VTEPUBR168	6"	DN150	168.3	M12	220	50	10000	8-15	60
VTEPUBR219	8"	DN200	219.1	M16	295	75	20000	8-15	40
VTEPUBR273	10"	DN250	273	M20	370	100	32500	8-15	20
VTEPUBR323	12"	DN300	323.8	M20	420	100	32500	8-15	20
VTEPUBR356	14"	DN350	355.6	M20	455	100	32500	8-15	5
VTEPUBR406	16"	DN400	406.4	M20	505	100	32500	8-15	5
VTEPUBR457	18"	DN450	457.2	M24	555	100	45000	8-15	5
VTEPUBR508	20"	DN500	508.2	M24	605	100	45000	8-15	5
VTEPUBR610	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 In.	Pipe OD (D) mm	Hole Size (S) mm	Max Load (N)	Microns (μ)	Box Quantity
VTEPUC027	¾"	DN20	26.7	M6	1250	8-15
VTEPUC034	1"	DN25	33.4	M6	1250	8-15
VTEPUC042	1¼"	DN32	42.1	M6	1250	8-15
VTEPUC048	1½"	DN40	48.2	M6	1250	8-15
VTEPUC060	2"	DN50	60.3	M6	1250	8-15
VTEPUC073	1½"	DN65	73	M6	1250	8-15
VTEPUC090	3"	DN80	88.9	M6	1250	8-15
VTEPUC114	4"	DN100	114.3	M6	1250	8-15
VTEPUC141	5"	DN125	141.3	M6	1250	8-15
VTEPUC168	6"	DN150	168.3	M6	1250	8-15

**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
VTEPLS022	½"	DN15	21.3	M6.2	500	8-15	2000
VTEPLS027	¾"	DN20	26.7	M6.2	500	8-15	1750
VTEPLS034	1"	DN25	33.4	M6.2	500	8-15	1500
VTEPLS042	1¼"	DN32	42.1	M6.2	500	8-15	1250
VTEPLS048	1½"	DN40	48.2	M6.2	500	8-15	1000
VTEPLS060	2"	DN50	60.3	M6.2	500	8-15	800
VTEPLS073	1½"	DN65	73	M6.2	500	8-15	750
VTEPLS090	3"	DN80	88.9	M6.2	500	8-15	500
VTEPLS114	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 safety 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>

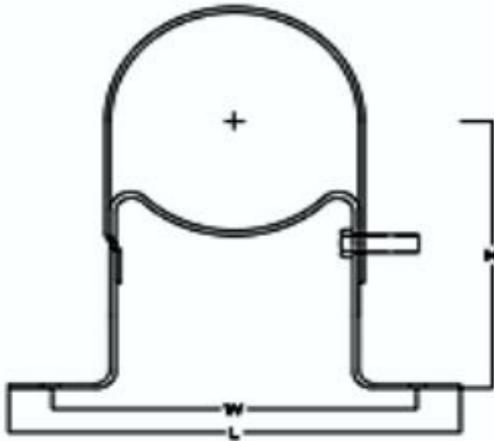
Product Code	Nominal Pipe Size In.	Pipe OD (D) mm	Hole Size (S) mm	Max Load (N)	Microns (μ)	Box Quantity	
VTEPHS022	½"	DN15	21.3	M6.2	1250	8-15	2000
VTEPHS027	¾"	DN20	26.7	M6.2	1250	8-15	1600
VTEPHS034	1"	DN25	33.4	M6.2	1250	8-15	1200
VTEPHS042	1¼"	DN32	42.1	M6.2	1250	8-15	1000
VTEPHS048	1½"	DN40	48.2	M6.2	1250	8-15	800
VTEPHS060	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>

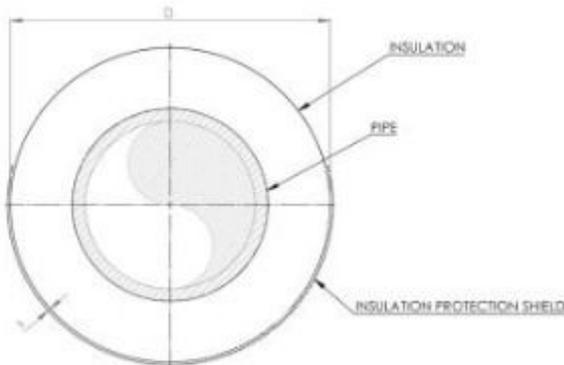
Product Code	Nominal Pipe Size		Pipe OD (D) mm	(L) mm	(W) mm	(H) mm	Bolt Size	Microns (μ)	Max Load (N)
	In.	mm							
VTEPOC028	¾"	DN20	26.7	87	57	83	M8	8 - 15	834
VTEPOC034	1"	DN25	33.4	94	64	83	M8	8 - 15	834
VTEPOC042	1¼"	DN32	42.1	102	72	83	M8	8 - 15	834
VTEPOC048	½"	Dn40	48.2	108	78	83	M8	8 - 15	1079
VTEPOC054	54 MM	-	54	114	84	83	M8	8 - 15	1128
VTEPOC060	2"	DN50	60.3	120	90	83	M8	8 - 15	1472
VTEPOC073	2½"	DN65	73	133	103	113	M8	8 - 15	1766
VTEPOC083	83 MM	-	83	143	113	113	M8	8 - 15	1864
VTEPOC090	3"	DN80	88.9	150	120	113	M8	8 - 15	1962
VTEPOC110	110 MM	-	110	170	140	113	M8	8 - 15	2109
VTEPOC114	4"	DN100	114.3	174	144	113	M8	8 - 15	2453
VTEPOC141	5"	Dn125	141.3	201	171	138	M10	8 - 15	2943
VTEPOC160	160 MM	-	160z	220	190	138	M10	8 - 15	3434
VTEPOC141	6"	DN150	168.3	228	198	138	M10	8 - 15	3679
VTEPOC219	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		
VTEPPPS034-25	1"	DN 25	33.4	25
VTEPPPS034-32	1"	DN 25	33.4	32
VTEPPPS034-50	1"	DN 25	33.4	50
VTEPPPS042-25	1 1/4"	DN 32	42.2	25
VTEPPPS042-32	1 1/4"	DN 32	42.2	32
VTEPPPS042-50	1 1/4"	DN 32	42.2	50
VTEPPPS048-25	1 1/2"	DN 40	48.3	25
VTEPPPS048-32	1 1/2"	DN 40	48.3	32
VTEPPPS048-50	1 1/2"	DN 40	48.3	50
VTEPPPS060-25	2"	DN 50	60.3	25
VTEPPPS060-32	2"	DN 50	60.3	32
VTEPPPS060-50	2"	DN 50	60.3	50
VTEPPPS073-25	2 1/2"	DN 65	73	25
VTEPPPS073-32	2 1/2"	DN 65	73	32
VTEPPPS073-50	2 1/2"	DN 65	73	50
VTEPPPS089-25	3"	DN 80	88.9	25
VTEPPPS089-32	3"	DN 80	88.9	32
VTEPPPS089-50	3"	DN 80	88.9	50
VTEPPPS114-25	4"	DN 100	114.3	25
VTEPPPS114-32	4"	DN 100	114.3	25
VTEPPPS114-50	4"	DN 100	114.3	50
VTEPPPS141-25	5"	DN 125	141.3	25
VTEPPPS141-32	5"	DN 125	141.3	32
VTEPPPS141-50	5"	DN 125	141.3	50
VTEPPPS168-25	6"	DN 150	168.3	25
VTEPPPS168-32	6"	DN 150	168.3	32
VTEPPPS168-50	6"	DN 150	168.3	50
VTEPPPS219-25	8"	DN 200	219.1	25
VTEPPPS219-32	8"	DN 200	219.1	32
VTEPPPS219-50	8"	DN 200	219.1	50
VTEPPPS273-25	10"	DN 250	273.1	25
VTEPPPS273-32	10"	DN 250	273.1	32
VTEPPPS273-50	10"	DN 250	273.1	50

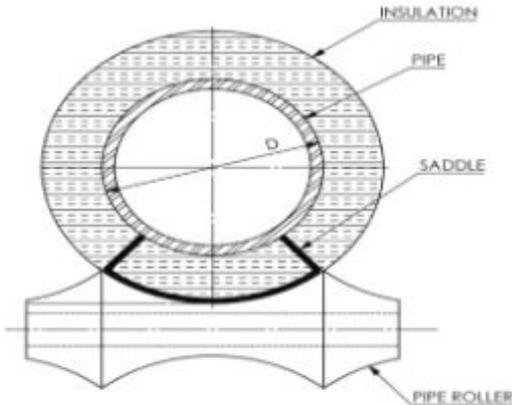
Product Code	Nominal Pipe Size		Pipe OD (mm)	Insulation (mm)
	Inch	mm		
VTEPPPS323-25	12"	DN 300	323.6	25
VTEPPPS323-32	12"	DN 300	323.6	32
VTEPPPS323-50	12"	DN 300	323.6	50
VTEPPPS356-25	14"	DN 350	355.6	25
VTEPPPS356-32	14"	DN 350	355.6	32
VTEPPPS356-50	14"	DN 350	355.6	50
VTEPPPS400-25	16"	DN 406	406.4	25
VTEPPPS400-32	16"	DN 406	406.4	32
VTEPPPS400-50	16"	DN 406	406.4	50
VTEPPPS457-25	18"	DN 450	457.2	25
VTEPPPS457-32	18"	DN 450	457.2	32
VTEPPPS457-50	18"	DN 450	457.2	50
VTEPPPS508-25	20"	DN 500	508	25
VTEPPPS508-32	20"	DN 500	508	32
VTEPPPS508-50	20"	DN 500	508	50
VTEPPPS556-25	22"	DN 550	558.8	25
VTEPPPS556-32	22"	DN 550	558.8	32
VTEPPPS556-50	22"	DN 550	558.8	50
VTEPPPS610-25	24"	DN 600	609.6	25
VTEPPPS610-32	24"	DN 600	609.6	32
VTEPPPS610-50	24"	DN 600	609.6	50
VTEPPPS660-25	26"	DN 650	660.4	25
VTEPPPS660-32	26"	DN 650	660.4	32
VTEPPPS660-50	26"	DN 650	660.4	50
VTEPPPS711-25	28"	DN 700	711.2	25
VTEPPPS711-32	28"	DN 700	711.2	32
VTEPPPS711-50	28"	DN 700	711.2	50
VTEPPPS762-25	30"	DN 750	762	25
VTEPPPS762-32	30"	DN 750	762	32
VTEPPPS762-50	30"	DN 750	762	50
VTEPPPS812-25	32"	DN 800	812.8	25
VTEPPPS812-32	32"	DN 800	812.8	32
VTEPPPS812-50	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			
VTEPPIS034-25	1"	DN 25	33.4	25	3500
VTEPPIS034-50	1"	DN 25	33.4	50	3500
VTEPPIS042-25	1 1/4"	DN 32	42.2	25	3500
VTEPPIS042-50	1 1/4"	DN 32	42.2	50	3500
VTEPPIS048-25	1 1/2"	DN 40	48.3	25	3500
VTEPPIS048-50	1 1/2"	DN 40	48.3	50	3500
VTEPPIS060-25	2"	DN 50	60.3	25	3500
VTEPPIS060-50	2"	DN 50	60.3	50	3500
VTEPPIS060-75	2"	DN 50	60.3	75	3500
VTEPPIS073-25	2 1/2"	DN 65	73	25	6000
VTEPPIS073-50	2 1/2"	DN 65	73	50	6000
VTEPPIS073-75	2 1/2"	DN 65	73	75	6000
VTEPPIS089-25	3"	DN 80	88.9	25	6000
VTEPPIS089-50	3"	DN 80	88.9	50	6000
VTEPPIS089-75	3"	DN 80	88.9	75	6000
VTEPPIS114-25	4"	DN 100	114.3	25	6000
VTEPPIS114-50	4"	DN 100	114.3	50	6000
VTEPPIS114-75	4"	DN 100	114.3	75	6000
VTEPPIS141-25	5"	DN 125	141.3	25	9500
VTEPPIS141-50	5"	DN 125	141.3	50	9500
VTEPPIS141-75	5"	DN 125	141.3	75	9500
VTEPPIS168-25	6"	DN 150	168.3	25	9500
VTEPPIS168-50	6"	DN 150	168.3	50	9500
VTEPPIS168-75	6"	DN 150	168.3	75	9500
VTEPPIS219-25	8"	DN 200	219.1	25	9500
VTEPPIS219-50	8"	DN 200	219.1	50	9500
VTEPPIS219-75	8"	DN 200	219.1	75	9500
VTEPPIS273-25	10"	DN 250	273.1	25	12500
VTEPPIS273-50	10"	DN 250	273.1	50	12500
VTEPPIS273-75	10"	DN 250	273.1	75	12500
VTEPPIS323-25	12"	DN 300	323.6	25	12500
VTEPPIS323-50	12"	DN 300	323.6	50	12500
VTEPPIS323-75	12"	DN 300	323.6	75	12500

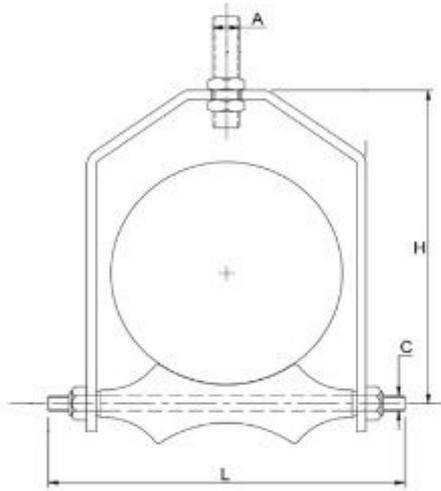
Product Code	Nominal Pipe Size		Pipe OD (mm)	Insulation (mm)	Max Load (N)
	Inch	mm			
VTEPPIS356-25	14"	DN 350	355.6	25	29000
VTEPPIS356-50	14"	DN 350	355.6	50	29000
VTEPPIS356-75	14"	DN 350	355.6	75	29000
VTEPPIS400-50	16"	DN 406	406.4	50	29000
VTEPPIS400-75	16"	DN 406	406.4	75	29000
VTEPPIS457-50	18"	DN 450	457.2	50	29000
VTEPPIS457-75	18"	DN 450	457.2	75	29000
VTEPPIS508-50	20"	DN 500	508	50	29000
VTEPPIS508-75	20"	DN 500	508	75	29000
VTEPPIS610-50	24"	DN 600	609.6	50	45000
VTEPPIS610-75	24"	DN 600	609.6	75	45000
VTEPPIS762-50	30"	DN 750	762	50	45000
VTEPPIS762-75	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>	Bracket : Steel Roller : Solid steel shaft
<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>

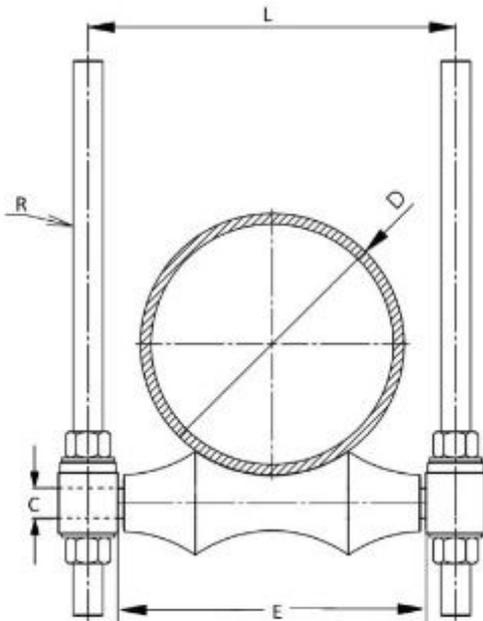
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Dimensions (mm)			Max Load (N)
	In.	mm		A	CXL	H	
VTEPARH060	2"	DN50	60.3	M12	M12 X 115	105	2100
VTEPARH073	2½"	DN65	73	M12	M12 X 125	125	2100
VTEPARH090	3"	DN80	88.9	M12	M12 X 145	140	2100
VTEPARH101	2½"	DN90	101.6	M16	M12 X 160	155	2100
VTEPARH114	4"	DN100	114.3	M16	M12 X 175	170	2900
VTEPARH141	5"	DN125	141.3	M20	M12 X 200	200	5500
VTEPARH168	6"	DN150	168.3	M20	M20 X 245	230	5500
VTEPARH219	8"	DN200	219.1	M20	M24 X 305	290	6000
VTEPARH273	10"	DN250	273	M24	M24 X 365	350	6000
VTEPARH323	12"	DN300	323.8	M24	M24 X 425	400	7500
VTEPARH356	14"	DN350	355.6	M24	M24 X 460	445	7500
VTEPARH406	16"	DN400	406.4	M24	M24 X 515	500	7500
VTEPARH457	18"	DN450	457.2	M30	M33 X 580	555	7500
VTEPARH508	20"	DN500	508.2	M30	M33 X 630	610	9000
VTEPARH610	24"	DN600	609.6	M30	M52 X 780	725	11000
VTEPARH661	26"	DN650	661	M36	M52 X 845	785	11000
VTEPARH712	28"	DN700	712	M36	M52 X 895	840	11000
VTEPARH755	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 o 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 to 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 able.</li> </ul> <p>Insulation protection products such as Rubber Support Inserts, Insulation protection Shields and Pipe Cering protection Saddles can be used with Pipe Rollers.</p>
<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>

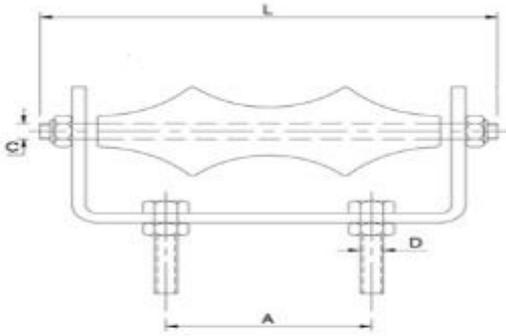
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Dimensions (mm)			Max Load (N)
	In.	mm		E	CXL	R	
VTEPPR060	2"	DN50	60.3	70	M12 x 115	M12	3500
VTEPPR073	2½"	DN65	73	83	M12 x 125	M12	3500
VTEPPR090	3"	DN80	88.9	99	M12 x 145	M12	3500
VTEPPR101	2½"	DN90	101.6	112	M12 x 160	M12	3500
VTEPPR114	4"	DN100	114.3	125	M12 x 175	M12	5000
VTEPPR141	5"	DN125	141.3	152	M12 x 200	M12	5000
VTEPPR168	6"	DN150	168.3	179	M20 x 245	M16	5000
VTEPPR219	8"	DN200	219.1	231	M24 x 305	M16	12500
VTEPPR273	10"	DN250	273	285	M24 x 365	M20	12500
VTEPAR323	12"	DN300	323.8	336	M24 x 425	M20	15000
VTEPPR356	14"	DN350	355.6	368	M24 x 460	M24	15000
VTEPPR406	16"	DN400	406.4	419	M24 x 515	M24	20000
VTEPPR457	18"	DN450	457.2	470	M33 x 580	M32	35000
VTEPPR508	20"	DN500	508.2	520	M33 x 630	M32	35000
VTEPPR610	24"	DN600	609.6	626	M52 x 780	M36	50000
VTEPPR661	26"	DN650	661	679	M52 x 845	M36	50000
VTEPPR712	28"	DN700	712	732	M52 x 895	M36	50000
VTEPPR755	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.

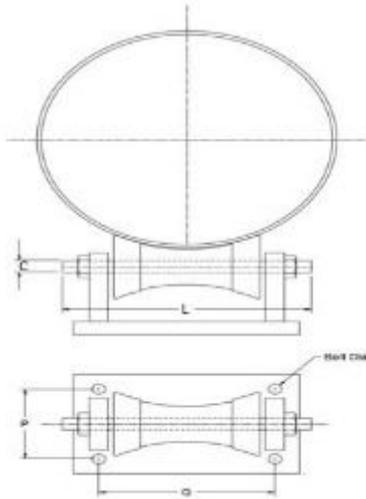
Product Code	Nominal Pipe Size		Pipe OD (D) mm	Dimensions (mm)			Max Load (N)
	In.	mm		A	CXL	D	
VTEPRC034	1"	DN25	33.4	20	M10 x 90	M12 x 50	4000
VTEPRC060	2"	DN50	60.3	35	M12 x 115	M12 x 50	6700
VTEPRC073	2½"	DN65	73	35	M12 x 125	M12 x 50	10000
VTEPRC090	3"	DN80	88.9	50	M12 x 145	M12 x 50	13800
VTEPRC101	2½"	DN90	101.6	50	M12 x 160	M12 x 50	17300
VTEPRC114	4"	DN100	114.3	50	M12 x 175	M16 X 75	21100
VTEPRC141	5"	DN125	141.3	75	M12 x 200	M16 X 75	30400
VTEPRC168	6"	DN150	168.3	80	M20 x 245	M16 X 75	34700
VTEPRC219	8"	DN200	219.1	85	M24 x 305	M20 X 100	34700
VTEPRC273	10"	DN250	273	130	M24 x 365	M20 X 100	42900
VTEPAR323	12"	DN300	323.8	140	M24 x 425	M20 X 100	53400
VTEPRC356	14"	DN350	355.6	165	M24 x 460	M24 X 100	53400
VTEPRC406	16"	DN400	406.4	210	M24 x 515	M24 X 100	53400
VTEPRC457	18"	DN450	457.2	235	M33 x 580	M24 X 100	62300
VTEPRC508	20"	DN500	508.2	260	M33 x 630	M24 X 100	71100
VTEPRC610	24"	DN600	609.6	310	M52 x 780	M24 X 100	71100
VTEPRC661	26"	DN650	661	335	M52 x 845	M24 X 100	76000
VTEPRC712	28"	DN700	712	360	M52 x 895	M24 X 100	76000
VTEPRC755	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	Dimensions (mm)				Max Load (N)
	In.	mm		P	Q	CXL	Bolt Dia	
VTEPRS060	2"	DN50	60.3	100	40	M12 X 80	16	5500
VTEPRS073	2 1/2"	DN65	73	100	48	M12 X 90	16	5500
VTEPRS090	3"	DN80	88.9	100	55	M12 X 95	16	5500
VTEPRS101	3 1/2"	DN90	101.6	100	61	M12 X 100	16	5500
VTEPRS114	4"	DN100	114.3	115	72	M12 X 115	16	13000
VTEPRS141	5"	DN125	141.3	115	85	M12 X 130	16	13000
VTEPRS168	6"	DN150	168.3	125	100	M20 X160	16	13000
VTEPRS219	8"	DN200	219.1	130	125	M24 X 190	20	17500
VTEPRS273	10"	DN250	273	130	155	M24 X 225	20	17500
VTEPRS323	12"	DN300	323.8	130	180	M24 X 260	20	35000
VTEPRS356	14"	DN350	355.6	130	197	M24 X 275	20	35000
VTEPRS406	16"	DN400	406.4	165	220	M24 X 300	24	52500
VTEPRS457	18"	DN450	457.2	165	250	M33 X 345	24	52500
VTEPRS508	20"	DN500	508.2	165	275	M33 X 370	24	52500
VTEPRS610	24"	DN600	609.6	190	330	M52 X 480	24	65000
VTEPRS661	26"	DN650	661	200	355	M52 X 500	30	84500
VTEPRS712	28"	DN700	712	200	385	M52 X 530	30	84500
VTEPRS755	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

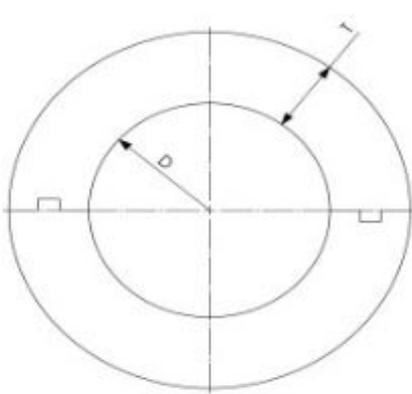
Product Code	Nominal Pipe Size		PIPE OD (mm)	Insulation Thickness (mm)	Outside Diameter (mm)	Width (mm)	Thickness (mm)	Height (mm)	Length of Guide (mm)	Hole Diameter (mm)	Max Load (N)
	In.	mm									
VTEPSPS219	8"	DN200	219.1	-	219.1	50	8	107	290	M16	29000
VTEP32SPS219	---	DN200	-	32 MM	283.1	50	8	107	290	M16	29000
VTEP50SPS219	-	DN200	-	50 MM	319.1	50	8	142	290	M16	29000
VTEPSPS250	10"	DN250	273.1	-	273.1	50	8	107	290	M16	29000
VTEP32SPS273	---	DN250	-	32 MM	337.1	50	8	107	290	M16	29000
VTEP50SPS273	-	DN250	-	50 MM	373.1	50	8	142	290	M16	29000
VTEPSPS324	12"	DN300	323.8	-	323.8	50	8	107	290	M16	29000
VTEP32SPS324	---	DN300	-	32 MM	387.8	60	8	107	290	M16	34000
VTEP50SPS324	-	DN300	-	50 MM	423.8	60	8	142	290	M16	34000
VTEPSPS356	14"	DN350	355.6	-	355.6	60	8	142	290	M16	34000
VTEP32SPS356	---	DN350	-	32 MM	419.6	60	8	142	290	M16	34000
VTEP50SPS356	-	DN350	-	50 MM	455.6	60	8	192	290	M16	34000
VTEPSPS406	16"	DN400	406.4	-	406.4	60	8	142	290	M16	34000
VTEP32SPS406	---	DN400	-	32 MM	470.4	60	8	142	290	M16	34000
VTEP50SPS406	-	DN400	-	50 MM	506.4	60	8	192	290	M16	34000
VTEPSPS457	18"	DN450	457.2	-	457.2	60	8	142	290	M16	34000
VTEP32SPS457	---	DN450	-	32 MM	521.2	75	10	142	290	M16	44000
VTEP50SPS457	-	DN450	-	50 MM	557.2	75	10	192	290	M16	44000
VTEPSPS508	20"	DN500	508	-	508	75	10	142	290	M16	44000
VTEP32SPS508	---	DN500	-	32 MM	572	75	10	142	290	M16	44000
VTEP50SPS508	-	DN500	-	50 MM	608	75	10	192	290	M16	44000
VTEPSPS610	24"	DN600	609.6	-	609.6	75	10	142	290	M16	44000
VTEP32SPS610	---	DN600	-	32 MM	673.6	75	10	142	290	M16	44000
VTEP50SPS610	-	DN600	-	50 MM	709.6	75	10	192	290	M16	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.

**Description:-**

- \* Used at the supporting points of insulated pipes to prevent crushing of insulation.
- \* Very high load bearing capacity.
- \* Dimensionally accurate as piece is moulded.
- \* Excellent resistance to deterioration/ distortion.

**Special:-**

- \* Density:- 1100 - 1600 kg/m<sup>3</sup>
- \* Thermal Conductivity :- 0.16 w/m Temperature
- \* Resistance from -20 °C to + 110 °C
- \* Designed to meet BS3974-1 : 1974

### Standard B Dimension

Upto 2"	:- 25 mm
2 1/2" to 5" 6"	:- 38 mm
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	1/2"	DN15	21.3	VT13RSI022	VT19RSI022	VT25RSI022	VT32RSI022	VT38RSI022	VT50RSI022	VT65RSI022	VT75RSI022
2	3/4"	DN20	26.7	VT13RSI028	VT19RSI028	VT25RSI028	VT32RSI028	VT38RSI028	VT50RSI028	VT65RSI028	VT75RSI028
3	1"	DN25	33.4	VT13RSI034	VT19RSI034	VT25RSI034	VT32RSI034	VT38RSI034	VT50RSI034	VT65RSI034	VT75RSI034
4	1 1/4"	DN32	42.1	VT13RSI042	VT19RSI042	VT25RSI042	VT32RSI042	VT38RSI042	VT50RSI042	VT65RSI042	VT75RSI042
5	1 1/2"	DN40	48.2	VT13RSI048	VT19RSI048	VT25RSI048	VT32RSI048	VT38RSI048	VT50RSI048	VT65RSI048	VT75RSI048
6	2"	DN50	60.3	VT13RSI060	VT19RSI060	VT25RSI060	VT32RSI060	VT38RSI060	VT50RSI060	VT65RSI060	VT75RSI060
7	1 1/2"	DN65	73	VT13RSI073	VT19RSI073	VT25RSI073	VT32RSI073	VT38RSI073	VT50RSI073	VT65RSI073	VT75RSI073
8	3"	DN80	88.9	VT13RSI090	VT19RSI090	VT25RSI090	VT32RSI090	VT38RSI090	VT50RSI090	VT65RSI090	VT75RSI090
9	3 1/2"	DN90	101.6	VT13RSI102	VT19RSI102	VT25RSI102	VT32RSI102	VT38RSI102	VT50RSI102	VT65RSI102	VT75RSI102
10	4"	DN100	114.3	VT13RSI114	VT19RSI114	VT25RSI114	VT32RSI114	VT38RSI114	VT50RSI114	VT65RSI114	VT75RSI114
11	5"	DN125	141.3	VT13RSI141	VT19RSI141	VT25RSI141	VT32RSI141	VT38RSI141	VT50RSI141	VT65RSI141	VT75RSI141
12	6"	DN150	168.3	VT13RSI168	VT19RSI168	VT25RSI168	VT32RSI168	VT38RSI168	VT50RSI168	VT65RSI168	VT75RSI168
13	8"	DN200	219.1	VT13RSI219	VT19RSI219	VT25RSI219	VT32RSI219	VT38RSI219	VT50RSI219	VT65RSI219	VT75RSI219
14	10"	DN250	273.1	VT13RSI273	VT19RSI273	VT25RSI273	VT32RSI273	VT38RSI273	VT50RSI273	VT65RSI273	VT75RSI273
15	12"	DN300	323.8	VT13RSI323	VT19RSI323	VT25RSI323	VT32RSI323	VT38RSI323	VT50RSI323	VT65RSI323	VT75RSI323
16	14"	DN350	355.6	VT13RSI356	VT19RSI356	VT25RSI356	VT32RSI356	VT38RSI356	VT50RSI356	VT65RSI356	VT75RSI356
17	16"	DN400	406.4	VT13RSI406	VT19RSI406	VT25RSI406	VT32RSI406	VT38RSI406	VT50RSI406	VT65RSI406	VT75RSI406
18	18"	DN450	457.2	VT13RSI457	VT19RSI457	VT25RSI457	VT32RSI457	VT38RSI457	VT50RSI457	VT65RSI457	VT75RSI457
19	20"	DN500	508	VT13RSI508	VT19RSI508	VT25RSI508	VT32RSI508	VT38RSI508	VT50RSI508	VT65RSI508	VT75RSI508
20	24"	DN600	609.6	VT13RSI610	VT19RSI610	VT25RSI610	VT32RSI610	VT38RSI610	VT50RSI610	VT65RSI610	VT75RSI610

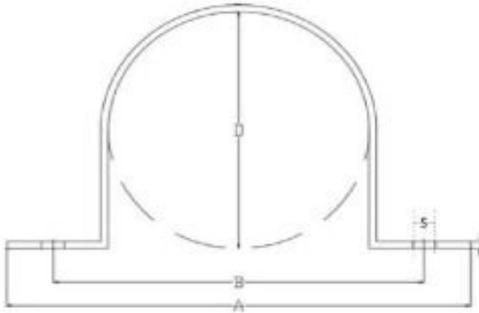
**NOTE:-**

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>                                |

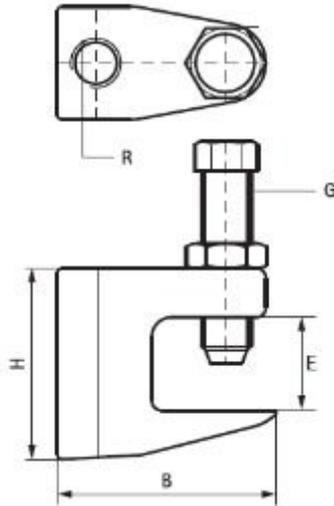
Product Code	RSI Size	RSI OD mm	U Strap Size mm	Overall Dimension (A) mm	Distance Between Two Bolt (B) mm	Hole Size Max Load (S) mm	(N)	Microns (μ)	Box Quantity
VTUS064	¾" X 19 mm	64.7	64	114	89	11	6000	70 - 95	200
VTUS072	1" X 19 mm	71.4	72	122	97	11	6000	8 - 15	200
VTUS080	1 ¼" X 19 mm	80.1	80	130	105	11	6000	8 - 15	150
VTUS086	1 ½" X 19 mm	86.2	86	136	111	11	6000	8 - 15	150
VTUS98	2" X 19 mm	98.3	98	148	123	11	6000	8 - 15	150
VTUS111	2 ½" X 19 mm	111	111	161	136	11	6000	8 - 15	150
VTUS127	3" X 19 mm	126.9	127	177	152	11	6000	8 - 15	125
VTUS139	3 1/2" X 19 mm	139	139	189	164	11	6000	8 - 15	100
VTUS152	4" X 19 mm	152	152	202	177	11	8000	8 - 15	75
VTUS179	5" X 19 mm	179	179	239	209	11	8000	8 - 15	75
VTUS206	6" X 19 mm	206.3	206	266	236	11	8000	8 - 15	50
VTUS257	8" X 19 mm	257.1	257	317	287	11	12500	8 - 15	50
VTUS311	10" X 19 mm	311.1	311	381	346	13	12500	8 - 15	5
VTUS361	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.

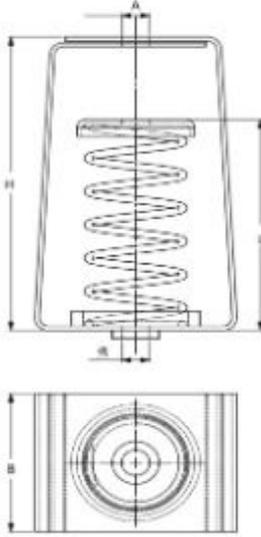
<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For sprinkler systems, heating, ventilation and air conditioning, acoustic tubes and sanitary installations.</li> <li>* Hexagon threaded head screw DIN938.</li> <li>* Threaded with Cup Point (RS) according to EN ISO 4753 and lock nut.</li> <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 @	B mm	E mm	Height (H) mm	Max Load (N)	Microns (µ)	Box Quantity
<b>Metric Size</b>								
VTEPBM08	M8	M8	50	21	45	1200	8 - 15	100
VTEPBM10	M10	M10	50	21	47	2500	8 - 15	80
VTEPBM12	M12	M12	58	25	53	3500	8 - 15	75
VTEPBM16	M16	M16	58	27	58	5500	8 - 15	60
<b>Imperial Size</b>								
VTEPBM516	5/16"	5/16"	1.88	0.75	1.56	1200	8 - 15	100
VTEPBM38	3/8"	3/8"	1.88	0.75	1.56	2500	8 - 15	80
VTEPBM012	1/2"	1/2"	2.06	0.75	1.63	3500	8 - 15	75
VTEPBM58	5/8"	5/8"	2.19	0.75	1.75	5500	8 - 15	60
VTEPBM34	3/4"	3/4"	2.38	0.75	1.75	7500	8 - 15	50





## SPRING HANGER



### FEATURES AND BENEFITS.

- Description:-**
- \* Spring 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 duct work in close proximity to rotating mechanical equipment are typical applications of spring hangers.
  - \* Colour coded springs as per load ratings.
  - \* Outer diameter equal to at least 85% of working height.
  - \* Springs designed for 50% overload capacity.
  - \* Brackets and springs powder coated.
- Special:-**
- \* Designed to meet Bs1726, class B.

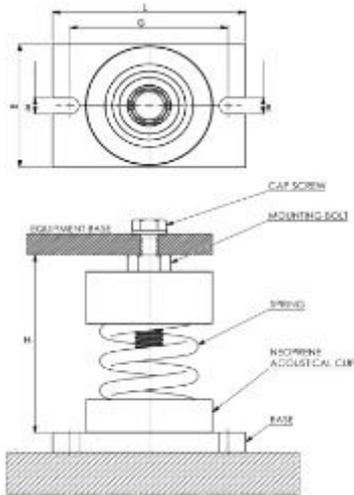
Product Code	Colour Code	A mm	B mm	H mm	L mm	R mm	Deflection mm	Max Load (N)
VTSH 20/25	White	10.5	38	70	57	M10	20	250
VTSH 20/30	Yellow	10.5	38	70	57	M10	20	300
VTSH 20/50	Purple	10.5	38	70	57	M10	20	500
VTSH 25/10	Purple	10.5	52	104	80	M10	25	100
VTSH 25/15	Yellow	10.5	52	104	80	M10	25	150
VTSH 25/20	Grey	10.5	52	104	80	M10	25	200
VTSH 25/30	Green	10.5	52	104	80	M10	25	300
VTSH 25/40	Light Blue	10.5	52	104	80	M10	25	400
VTSH 25/60	Green	12.5	65	138	96	M12	25	600
VTSH 25/100	Green	12.5	65	138	96	M12	25	1000
VTSH 25/160	Orange	12.5	65	138	96	M12	25	1600
VTSH 25/200	Red	12.5	65	138	96	M12	25	2000
VTSH 25/250	Purple	12.5	65	138	96	M12	25	2500
VTSH 25/300	Grey	16.5	85	157	115	M16	25	3000
VTSH 25/400	Orange	16.5	85	157	115	M16	25	4000
VTSH 25/500	Brown	16.5	85	157	115	M16	25	5000
VTSH 25/600	Black	16.5	85	157	115	M16	25	6000
VTSH 25/800	Red	16.5	85	157	115	M16	25	8000
VTSH 25/1050	White	16.5	85	157	115	M16	25	10500
VTSH 25/1250	Green	16.5	85	157	115	M16	25	12500

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





## OPEN SPRING MOUNT



### FEATURES AND BENEFITS.

- |                      |   |
|----------------------|---|
| <b>Description:-</b> | <ul style="list-style-type: none"> <li>* Open Spring Mount are used to isolate both noise and vibration from floor mounting equipments.</li> <li>* Pumps, packaged air handling units, air conditioning units, centrifugal and axial fans, inertia bases tc.</li> <li>* Outer diameter equal to at least 85% of working height.</li> <li>* Neoprene top and bottom with non-skid bolt down base.</li> <li>* Springs designed for 50% overload capacity.</li> <li>* Plated levelling / lock bolt.</li> </ul> |
| <b>Special:-</b>     | <ul style="list-style-type: none"> <li>* Designed to meet BS1726, class.</li> <li>* Springs powder coated.</li> </ul>   |

Product Code	Load Range (kg)	Nominal Deflection (mm)
VTOSM25	30-2300	25
VTOSM50	510-1300	50

Product Code	Deflection mm	Max Load (N)
VTOSM 25/10	25	100
VTOSM 25/15	25	150
VTOSM 25/20	25	200
VTOSM 25/30	25	300
VTOSM 25/40	25	400
VTOSM 25/60	25	600
VTOSM 25/100	25	1000
VTOSM 25/160	25	1600
VTOSM 25/200	25	2000
VTOSM 25/250	25	2500
VTOSM 25/300	25	3000
VTOSM 25/400	25	4000
VTOSM 25/500	25	5000
VTOSM 25/600	25	6000
VTOSM 25/800	25	8000
VTOSM 25/1050	25	10500
VTOSM 25/1250	25	12500

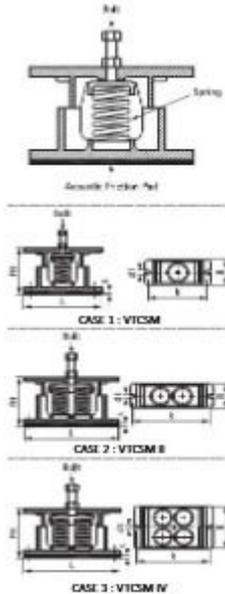
Product Code	Deflection mm	Max Load (N)
VTOSM 50/10	50	100
VTOSM 50/15	50	150
VTOSM 50/20	50	200
VTOSM 50/30	50	300
VTOSM 50/40	50	400
VTOSM 50/60	50	600
VTOSM 50/100	50	1000
VTOSM 50/160	50	1600
VTOSM 50/200	50	2000
VTOSM 50/250	50	2500
VTOSM 50/300	50	3000
VTOSM 50/400	50	4000
VTOSM 50/500	50	5000
VTOSM 50/600	50	6000
VTOSM 50/800	50	8000
VTOSM 50/1050	50	10500
VTOSM 50/1250	50	12500

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





## CLOSE SPRING MOUNT



### FEATURES AND BENEFITS.

#### Description:-

- \* Closed Spring Mount design provides horizontal stability, high loading capacity and protective spring enclosure.
- \* All mounts have external levelling arrangement, capable of compensating or full static deflection.
- \* Inner walls of lower casting have resilient rubbers
- \* Deflection is at rated load with 15% tolerance.
- \* All mounts have approximately 50% overload capacity.
- \* Mountings must be adjusted so that upper housing clear lower housing by at least 6 mm and not more than 12 mm.
- \* Application examples include : Chiller, AHU's, pumps, centrifugal / axial fans' condensing units, roof top packaged units, reciprocating compressors, DG sets, punch presses, drop hammers, and floor pipe supports (normally at first few pipe support points leading from isolated equipment.)

#### Special:-

- \* Springs powder coated.
- \* Designed to meet BS1726, class B.

Product Code	Colour Code	Bolt	L mm	B mm	s mm	R mm	k mm	FH mm	Deflection mm	Max Load (N)
VTCSM 60	Yellow	M12	160	92	5	M10	147	116	25	600
VTCSM 100	Black	M12	160	92	5	M10	147	116	25	1000
VTCSM 160	White	M12	160	92	5	M10	147	116	25	1600
VTCSM 200	Green	M12	160	92	5	M10	147	116	25	2000
VTCSM 250	Blue	M12	160	92	5	M10	147	116	25	2500
VTCSM 300	Red	M16	200	115	10	M12	180	158	25	3000
VTCSM 400	Purple	M16	200	115	10	M12	180	158	25	4000
VTCSM 500	Grey	M16	200	115	5	M12	147	116	25	5000
VTCSM 600	Green	M16	200	115	10	M12	180	158	25	6000
VTCSM 800	Blue	M16	200	115	10	M12	180	158	25	8000
VTCSM 1050	Yellow	M16	200	115	10	M12	180	158	25	10500
VTCSM 1250	Black	M16	200	115	10	M12	180	158	25	12500
VTCSM II/600	Red	M20	285	115	10	M16	265	163	25	6000
VTCSM II/800	Purple	M20	285	115	10	M16	265	163	25	8000
VTCSM II/1000	Grey	M20	285	115	10	M16	265	163	25	10000
VTCSM II/1200	Green	M20	285	115	10	M16	265	163	25	12000
VTCSM II/1600	Blue	M20	285	115	10	M16	265	163	25	16000
VTCSM II/2100	Yellow	M20	285	115	10	M16	265	163	25	21000
VTCSM II/2500	Black	M20	285	115	10	M16	265	163	25	25000
VTCSM IV/1200	Red	M20	285	210	10	M16	265	163	25	12000
VTCSM IV/1600	Purple	M20	285	210	10	M16	265	163	25	16000
VTCSM IV/2000	Grey	M20	285	210	10	M16	265	163	25	20000
VTCSM IV/2400	Green	M20	285	210	10	M16	265	163	25	24000
VTCSM IV/3200	Blue	M20	285	210	10	M16	265	163	25	32000
VTCSM IV/4200	Yellow	M20	285	210	10	M16	265	163	25	42000
VTCSM IV/5000	Black	M20	285	210	10	M16	265	163	25	50000

NOTE:- 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

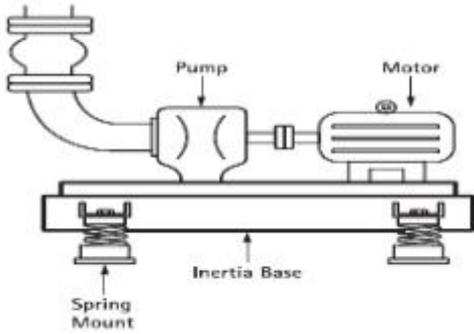
2. MEASUREMENT ARE SUBJECT TO 5% TOLERANCE.

3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT LOAD FITTING.





## INERTIA BASE



### FEATURES AND BENEFITS.

#### Description:-

- \* Inertia Base is specially designed and engineered to pour concrete, which after curing is used as mechanical vibration isolated reinforced inertia base or the equipments.
- \* These Inertia Base are recommended to use under heavy start up and shut down vibration amplitude equipments such as generators, IC engines, large fans, centrifugal chillers etc.
- \* Inertia Base made from standard structural channel or formed steel channel depend upon the design.
- \* It is used 12 mm reinforcement rod welded in 150 mm spacing for better concrete strength.
- \* Inertia Base is supplied with red oxide primer coating, Also as per request galvanized will be supplied.
- \* Voltaic Vibration Isolator Spring Mount will be supplied together as per drawing.

### Base Thickness Chart

The length and width dimensions shown include the actual frame size and may not may not include the length and width of bracket.

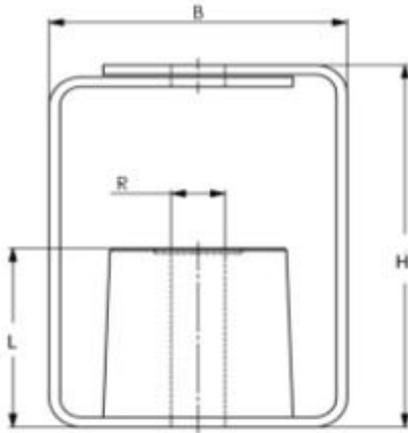
	Product code	Base width in mm					
		500	750	1000	1250	1500	1750
Base length in mm	VTIB500	150	—	—	—	—	—
	VTIB750	150	150	—	—	—	—
	VTIB1000	150	150	150, 200, 250	—	—	—
	VTIB1250	150	150	150, 200, 250	150, 200, 250, 300	—	—
	VTIB1500	150	150, 200	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300	—
	VTIB1750	150	150, 200	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300
	VTIB2000	—	150, 200	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300
	VTIB2250	—	150, 200	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300
	VTIB2500	—	—	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300
	VTIB2750	—	—	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300
	VTIB3000	—	—	—	150, 200, 250, 300	150, 200, 250, 300	150, 200, 250, 300

- NOTE:-
1. MEASUREMENTS ARE SUBJECT TO 5% TOLERANCE.
  2. SELECTION OF VIBRATION ISOLATORS IS BASED ON MOTOR & PUMP WEIGHT
  3. ANY NON-STANDARD SIZE INERTIA BASE CAN BE MANUFACTURE SUITABLE TO PUMP & MOTOR ASSEMBLY.





## 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)
VTRH10	Blue	M10	75	40	M10	8	100
VTRH20	Green	M10	75	40	M10	8	200
VTRH30	Red	M10	75	40	M10	8	300
VTRH50	Yellow	M10	75	40	M10	8	500
VTRH70	Brown	M10	75	40	M10	10	700
VTRH120	Orange	M10	75	40	M10	10	1200

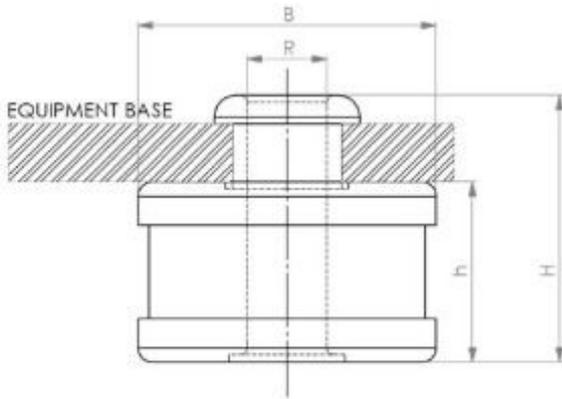
**NOTE:-** 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

2. MEASUREMENT ARE SUBJECT TO 5% TOLERANCE.

3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT 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. If 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

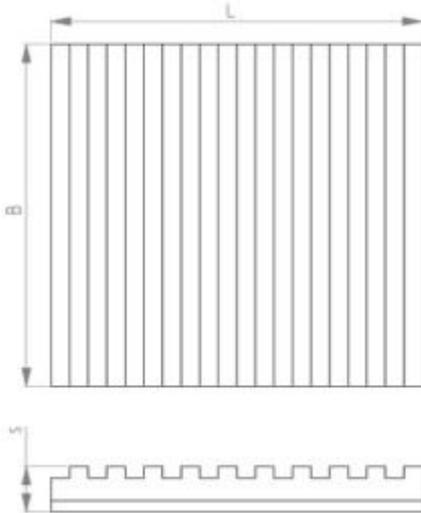
Product Code	B mm	H mm	h mm	R mm	Deflection mm	Max Load (N)
VTDM9	41	37	25	M10	4	900
VTDM6	32	27	19	M10	4	600

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

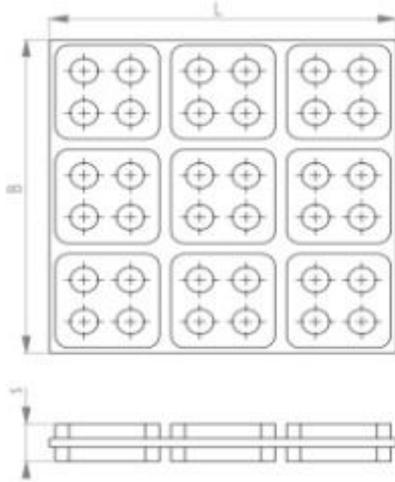
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
VTRMP075	75	75	10	750
VTRMP100	100	100	10	1050
VTRMP150	150	150	10	1500
VTRMP200	200	200	10	2050
VTRMP300	300	300	10	3100
VTRMP450	450	450	10	4800

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





## WAFFLE PAD



### FEATURES AND BENEFITS.

**Description:-**

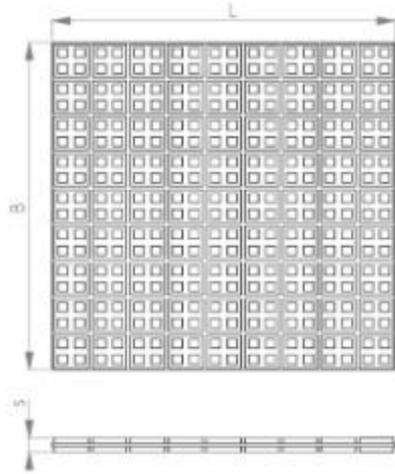
- \* No need for bolting.
- \* Easy cut design without tools allows job site flexibility.
- \* Designed with in- built section cups.
- \* Easy field installation.

Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
VTWP075	75	75	20	750
VTWP100	100	100	20	1050
VTWP150	150	150	20	1500
VTWP200	200	200	20	2050
VTWP300	300	300	20	3100
VTWP450	450	450	20	4800

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

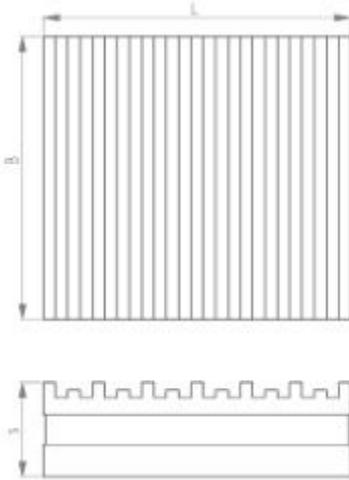
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
VTSCP075	75	75	20	1000
VTSCP100	100	100	20	1500
VTSCP150	150	150	20	2000
VTSCP200	200	200	20	3000
VTSCP300	300	300	20	4500
VTSCP450	450	450	20	6000

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





## CORK SANDWICH PAD



### FEATURES AND BENEFITS.

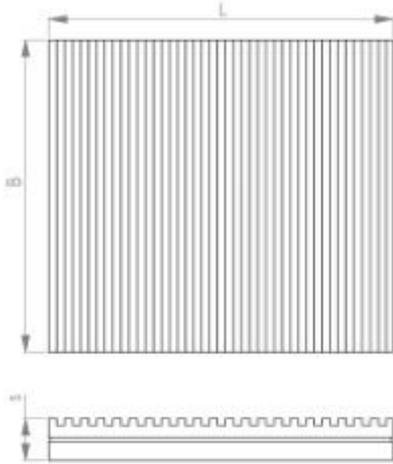
- Description:-**
- \* Cork Sandwich Pad are laminated pad s having 3/8" thick close grained cork securely bonded between two layers of 3/8" alternate low- high ribbed neoprene rubber pads
  - \* Offers highest level of sound attenuation and vibration insulation.
  - \* Easy field installation.
  - \*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

Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
VTCSP075	75	75	22	1500
VTCSP100	100	100	22	2000
VTCSP150	150	150	22	3000
VTCSP200	200	200	22	4000
VTCSP300	300	300	22	6000
VTCSP450	450	450	22	9000

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

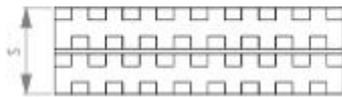
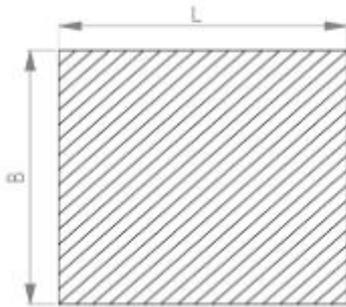
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Max Load (N)
VTMSP075/20	75	75	20	6000
VTMSP100/20	100	100	20	7500
VTMSP150/20	150	150	20	12500
VTMSP200/20	200	200	20	15000
VTMSP300/20	300	300	20	18000
VTMSP450/20	450	450	20	22000
VTMSP075/25	75	75	25	9000
VTMSP100/25	100	100	25	11250
VTMSP150/25	150	150	25	18750
VTMSP200/25	200	200	25	22500
VTMSP300/25	300	300	25	27000
VTMSP450/25	450	450	25	33000

- NOTE:-**
1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
  2. MEASUREMENT ARE SUBJECT TO 5% TOLERANCE.
  3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT 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 s kidding.
- \* Diagonal ribs help to distribute load evenly.

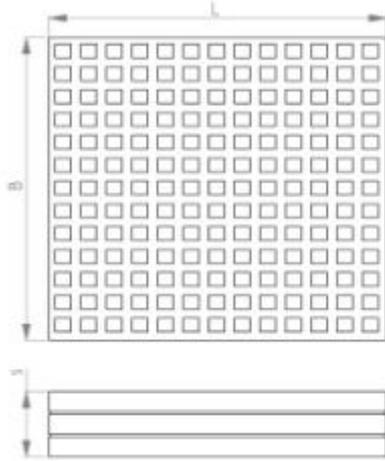
Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Deflection mm	Max Load (N)
VTRMLP152	152	152	35	4.5	9000
VTRMLP102	102	102	35	4.5	4000

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





## SQUARE CELL MULTI LAYER PAD



### FEATURES AND BENEFITS.

**Description:-**

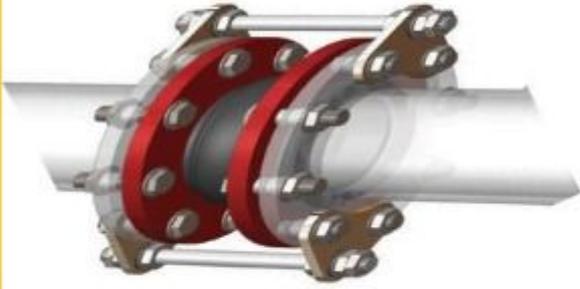
- \* Square Cell Multi Layer Pads are constructed of three layers of square cell rubber sheets with two steel plates of 1.5 thickness.
- \* Due to suction pockets formed by the square cell design the pad offers better grip on the floor surface.
- \* Higher load capacity than Ribbed Multi Layer Pad.

Product Code	Length (L) mm	Width (B) mm	Thickness (s) mm	Deflection mm	Max Load (N)
VTSMPL152	152	152	35	4.5	10000
VTSMPL102	102	102	35	4.5	4500

- NOTE:-** 1. DUE TO POLICY OF CONTINUAL IMPROVEMENT, THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.  
2. MEASUREMENT ARE SUBJECT TO 5% TOLERANCE.  
3. TO ACHIEVE GOOD SOUND SUPPRESSIONS DO NOT 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 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 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 an chordvon 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) mm	Length (L) mm	Elongation mm	Compression mm	Deflection Angle
	In.	mm					
VTSEJ060	2"	DN50	60.3	130	10	13	15°
VTSEJ073	2½"	DN65	73	150	10	13	15°
VTSEJ090	3"	DN80	88.9	150	10	13	15°
VTSEJ114	4"	DN100	114.3	152	10	16	15°
VTSEJ141	5"	DN125	141.3	152	10	16	15°
VTSEJ168	6"	DN150	168.3	152	10	16	15°
VTSEJ219	8"	DN200	219.1	165	13	16	15°
VTSEJ273	10"	DN250	273.1	203	13	20	15°
VTSEJ323	12"	DN300	323.8	203	13	20	15°
VTSEJ355	14"	DN350	355.6	255	13	25	15°
VTSEJ406	16"	DN400	406.4	255	13	25	15°
VTSEJ457	18"	DN450	457.2	255	13	25	15°
VTSEJ508	20"	DN500	508	255	13	25	15°
VTSEJ610	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 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 an chordvon 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 :

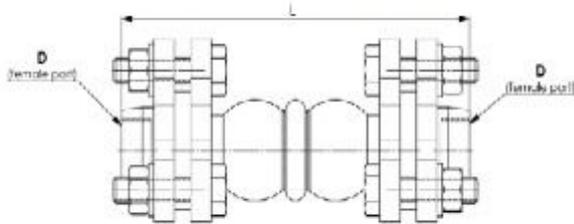
- Bellow : Neoprene (NBR and EPDM available on request)
- Reinforcement : Nylon cord fabric and spring steel wire
- Flanges : Floating forged steel, drilled to BS4504 PN 16 (ANSI standards on request)  
: Epoxy powder coated for corrosion resistance

Product Code	Nominal Pipe Size		Pipe OD (D)	Length (L)	Elongation	Compression	Deflection Angle
	In.	mm	mm	mm	mm	mm	
VTDEJ060	2"	DN50	60.3	130	10	13	15°
VTDEJ073	2½"	DN65	73	150	10	13	15°
VTDEJ090	3"	DN80	88.9	150	10	13	15°
VTDEJ114	4"	DN100	114.3	152	10	16	15°
VTDEJ141	5"	DN125	141.3	152	10	16	15°
VTDEJ168	6"	DN150	168.3	152	10	16	15°
VTDEJ219	8"	DN200	219.1	165	13	16	15°
VTDEJ273	10"	DN250	273.1	203	13	20	15°
VTDEJ323	12"	DN300	323.8	203	13	20	15°
VTDEJ355	14"	DN350	355.6	255	13	25	15°
VTDEJ406	16"	DN400	406.4	255	13	25	15°
VTDEJ457	18"	DN450	457.2	255	13	25	15°
VTDEJ508	20"	DN500	508	255	13	25	15°
VTDEJ610	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
VTFCT022	½"	DN15	21.3	160	6	22	45°
VTFCT027	¾"	DN20	26.7	160	6	22	45°
VTFCT034	1"	DN25	33.4	160	6	22	45°
VTFCT042	1 ¼"	DN32	42.1	160	6	22	45°
VTFCT048	1 ½"	DN40	48.2	160	6	22	45°
VTFCT060	2"	DN50	60.3	180	6	22	45°
VTFCT073	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 :

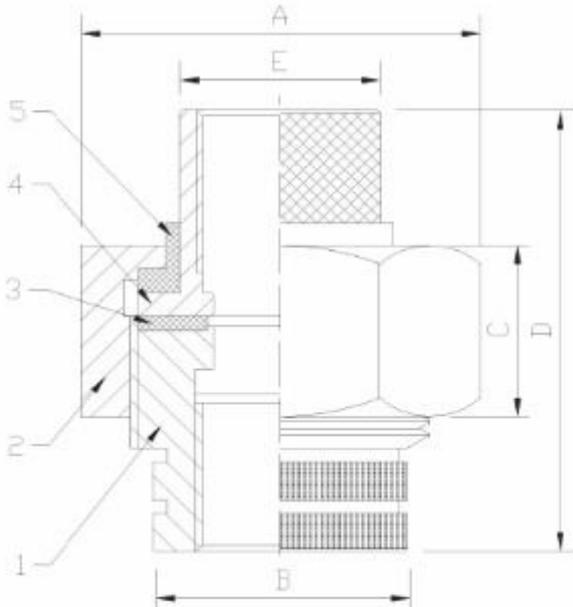
- Bellow : Neoprene / EPDM
- Reinforcement : Nylon cord fabric
- Pressurized Ring : Steel Wire Strand
- Flanges : Forged Steel, Threaded to BS 21. NPT on request.
- : Epoxy powder coated for corrosion resistance.
- : Floating triangular thread design.

Product Code	Nominal Pipe Size		Pipe OD (D)	Length (L)	Elongation	Compression	Deflection Angle
	In.	mm	mm	mm	mm	mm	
VTFCU022	½"	DN15	21.3	155	6	22	45°
VTFCU027	¾"	DN20	26.7	155	6	22	45°
VTFCU034	1"	DN25	33.4	155	6	22	45°
VTFCU042	1 ¼"	DN32	42.1	155	6	22	45°
VTFCU048	1 ½"	DN40	48.2	175	6	22	45°
VTFCU060	2"	DN50	60.3	175	6	22	45°
VTFCU073	2 ½"	DN65	73	240	10	24	45°





## DIELECTRIC UNION- MPT X WELD BRASS



### FEATURES AND BENEFITS.

- Description:-**
- \* Designed for installation of to 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 o 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 Gasket	Zinc Coat Steel
3	Solder	Nitrile
4	Connection	Brass
5	Insert	Nylon

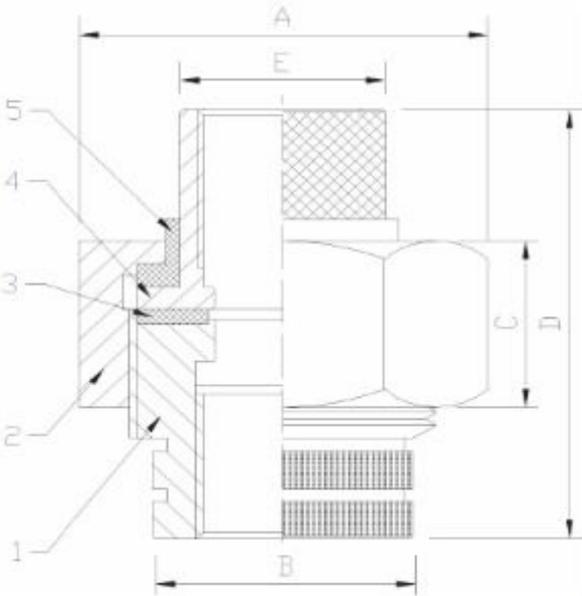
### AVAILABLE SIZES

Product Code	Nominal Pipe Size		Pipe OD (D) mm
	In.	mm	
VTDEUMWB022	½"	DN15	21.3
VTDEUMWB028	¾"	DN20	26.7
VTDEUMWB034	1"	DN25	33.4
VTDEUMWB042	1 ¼"	DN32	42.1
VTDEUMWB048	1 ½"	DN40	48.2
VTDEUMWB060	2"	DN50	60.3





## DIELECTRIC UNION- FPT X WELD BRASS



### FEATURES AND BENEFITS.

- Description:-**
- \* Designed for installation of to 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 o 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 Gasket	Zinc Coat Steel
3	Solder	Nitrile
4	Connection	Brass
5	Insert	Nylon

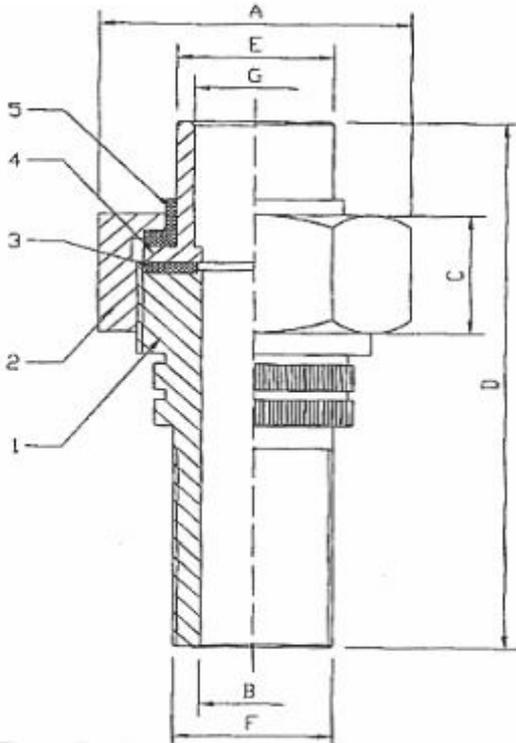
### AVAILABLE SIZES

Product Code	Nominal Pipe Size		Pipe OD (D) mm
	In.	mm	
VTDEUFWB022	½"	DN15	21.3
VTDEUFWB028	¾"	DN20	26.7
VTDEUFWB034	1"	DN25	33.4
VTDEUFWB042	1 ¼"	DN32	42.1
VTDEUFWB048	1 ½"	DN40	48.2
VTDEUFWB060	2"	DN50	60.3





## DIELECTRIC UNION- FPT X MPT



### FEATURES AND BENEFITS.

- Description:-**
- \* Designed for installation of to 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 o 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 Gasket	Zinc Coat Steel
3	Solder	Nitrile
4	Connection	Brass
5	Insert	Nylon

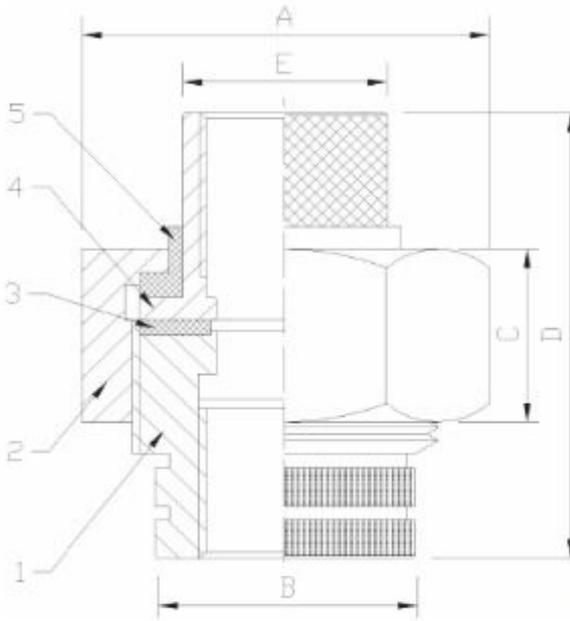
### AVAILABLE SIZES

Product Code	Nominal Pipe Size		Pipe OD (D) mm
	In.	mm	
VTDEUFM022	½"	DN15	21.3
VTDEUFM028	¾"	DN20	26.7
VTDEUFM034	1"	DN25	33.4
VTDEUFM042	1 ¼"	DN32	42.1
VTDEUFM048	1 ½"	DN40	48.2
VTDEUFM060	2"	DN50	60.3





## DIELECTRIC UNION- FPT X FPT



### FEATURES AND BENEFITS.

- Description:-**
- \* Designed for installation of to 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 o 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 Gasket	Zinc Coat Steel
3	Solder	Nitrile
4	Connection	Brass
5	Insert	Nylon

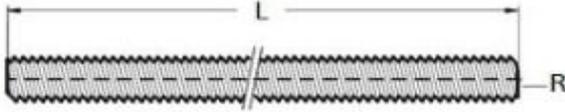
### AVAILABLE SIZES

Product Code	Nominal Pipe Size		Pipe OD (D) mm
	In.	mm	
VTDEUFF022	½"	DN15	21.3
VTDEUFF028	¾"	DN20	26.7
VTDEUFF034	1"	DN25	33.4
VTDEUFF042	1 ¼"	DN32	42.1
VTDEUFF048	1 ½"	DN40	48.2
VTDEUFF060	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
VTEPTR3 06	M6	3000	1	4.5	100
VTEPTR3 08	M8	3000	1.25	8.2	60
VTEPTR3 10	M10	3000	1.5	13.1	35
VTEPTR3 12	M12	3000	1.75	19	25
VTEPTR3 14	M14	3000	2	25.9	20
VTEPTR3 16	M16	3000	2	35.3	12
VTEPTR3 18	M18	3000	2.5	43.2	10
VTEPTR3 20	M20	3000	2.5	55.1	8
VTEPTR3 22	M22	3000	2.5	68.2	8
VTEPTR3 24	M24	3000	3	79.4	6
VTEPTR3 27	M27	3000	3	103	6
VTEPTR3 30	M30	3000	3.5	126	5
VTEPTR3 33	M33	3000	3.5	156	5
VTEPTR3 36	M36	3000	4	184	4
VTEPTR3 39	M39	3000	4	220	4
VTEPTR3 42	M42	3000	4.5	252	2
VTEPTR3 45	M45	3000	4.5	331	2
VTEPTR3 48	M48	3000	5	396	2
VTEPTR3 52	M52	3000	5	602	1

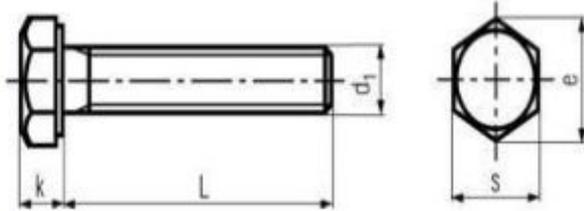
**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

- EP - MICRONS : 5μ - 8μ
- 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

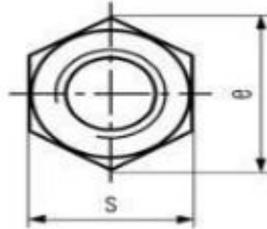
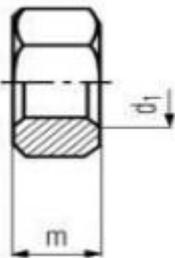
Product Code	Size (d1)	S (mm)	e (mm)	k (mm)	L (mm)
VTEPHB03	M3	5.5	6.01	2	1.5
VTEPHB04	M4	7	7.66	2.8	2.1
VTEPHB05	M5	8	8.79	3.5	2.4
VTEPHB06	M6	10	11.05	4	3
VTEPHB08	M8	13	14.38	5.3	3.75
VTEPHB10	M10	17	18.9	6.4	4.5
VTEPHB12	M12	19	21.1	7.5	5.25
VTEPHB14	M14	22	24.49	8.8	6
VTEPHB16	M16	24	26.75	10	6
VTEPHB18	M18	27	30.14	11.5	7.5
VTEPHB20	M20	30	33.53	12.5	7.5
VTEPHB22	M22	32	35.72	14	7.5
VTEPHB24	M24	36	39.98	15	9
VTEPHB27	M27	41	45.2	17	9
VTEPHB30	M30	46	50.85	18.7	10.5
VTEPHB33	M33	50	55.37	21	10.5
VTEPHB36	M36	55	60.79	22.5	12
VTEPHB39	M39	60	66.44	25	12
VTEPHB42	M42	65	71.3	26	13.5
VTEPHB45	M45	69	76.95	28	13.5
VTEPHB48	M48	75	82.6	30	15
VTEPHB52	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)

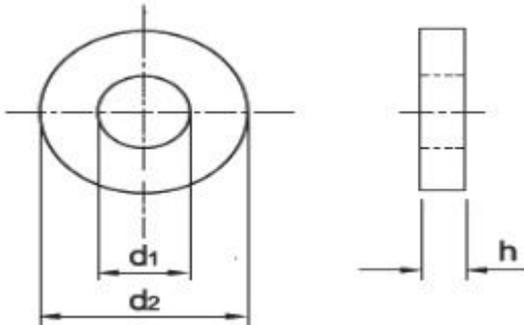
Product Code	Size (d1)	Pitch (mm)	Across Corner (e)	Across Flat (S)	Thickness (m)
	mm		mm	mm	mm
VTEPHN03	M3	0.5	6.01	6	2.4
VTEPHN04	M4	0.7	7.66	7	3.2
VTEPHN05	M5	0.8	8.76	8	4
VTEPHN06	M6	1	11.05	10	6
VTEPHN08	M8	1.25	14.38	13	6.5
VTEPHN10	M10	1.5	18.9	17	8
VTEPHN12	M12	1.75	21.1	19	10
VTEPHN14	M14	2	24.49	22	11
VTEPHN16	M16	2	26.75	24	13
VTEPHN18	M18	2.5	29.56	27	15
VTEPHN20	M20	2.5	32.95	30	16
VTEPHN22	M22	2.5	35.03	32	18
VTEPHN24	M24	3	39.55	36	19
VTEPHN27	M27	3	45.2	41	22
VTEPHN30	M30	3.5	50.85	46	24
VTEPHN33	M33	3.5	55.37	50	26
VTEPHN36	M36	4	60.79	55	29
VTEPHN39	M39	4	66.44	60	31
VTEPHN42	M42	4.5	71.3	65	34
VTEPHN45	M45	4.5	76.95	70	36
VTEPHN48	M48	5	82.6	75	38
VTEPHN52	M52	5	88.25	80	42
VTEPHN56	M56	5.5	93.56	85	45
VTEPHN64	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)

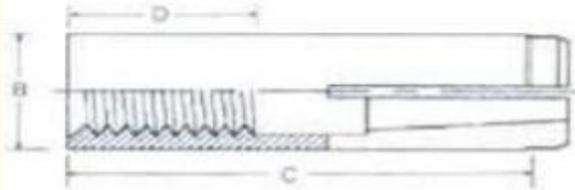
Product Code	Size	Inner Diameter (d1)		Outer Diameter (d2)		Thickness (h) mm
		mm		mm		
VTEPW03	M3	3.2		7		0.5
VTEPW04	M4	4.3		9		0.8
VTEPW05	M5	5.3		1		1
VTEPW06	M6	6.4		12		1.6
VTEPW08	M8	8.4		16		1.6
VTEPW10	M10	10.5		20		2
VTEPW12	M12	13		24		2.5
VTEPW14	M14	15		28		2.5
VTEPW16	M16	17		30		3
VTEPW18	M18	19		34		3
VTEPW20	M20	21		37		3
VTEPW22	M22	23		39		3
VTEPW24	M24	25		44		4
VTEPW27	M27	28		50		4
VTEPW30	M30	31		56		4
VTEPW33	M33	34		60		5
VTEPW36	M36	37		66		5
VTEPW39	M39	40		72		6
VTEPW42	M42	43		78		7
VTEPW45	M45	46		85		7
VTEPW48	M48	50		92		8
VTEPW52	M52	54		98		8
VTEPW56	M56	58		105		9
VTEPW64	M64	66		115		9
VTEPW72	M72	74		125		10

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





## DROP IN ANCHOR



### FEATURES AND BENEFITS.

- Description:-**
- \* Medium load fixings. Anchor placement flush with the surface or deeper. Fixture detachable anytime.
  - \* Flexible in fixture thickness with variety sizes of hexagonal bolts suitable for anchoring intension zone.
  - \* Ideal for suspended type of fixtures such as pipings, air ducts, cable tray and trunkings.
  - \* Machine installation: mechanical pumps, genset and electrical switch gear.
  - \* Temporary work such as steel truss for platform, wooden form structures and safety.
  - \* Securing of pipe brackets, rails and base plates.

**Material:-** Steel, other materials on request.

**Special:-** \* 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>										
VTEPDPA06	M6	25	10	8	30	25	60	7	1.00	1500
VTEPDPA08	M8	30	13	10	35	30	70	9	2.00	1200
VTEPDPA10	M10	40	16	12	45	40	80	12	3.00	1000
VTEPDPA12	M12	50	21	16	55	50	100	14	4.00	800
VTEPDPA16	M16	60	30	20	70	60	130	18	5.00	500
VTEPDPA20	M20	80	35	25	90	80	160	22	6.00	250

<b>Imperial Size</b>										
VTEPDPA14	1/4"	25	10	8	30	25	60	7	1	1500
VTEPDPA516	5/16"	30	13	10	35	30	70	9	2	1200
VTEPDPA38	3/8"	40	16	12	45	40	80	12	3	1000
VTEPDPA012	1/2"	50	21	16	55	50	100	14	4	800
VTEPDPA58	5/8"	60	30	20	70	60	130	18	5	500
VTEPDPA34	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 % sated 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)
VTEPWA6/40	M6 X 40	7	27	3	400	5 - 8	4200
VTEPWA6/55	M6 X 55	7	35	15	400	5 - 8	4200
VTEPWA6/70	M6 X 70	7	35	30	400	5 - 8	4200
VTEPWA6/95	M6 X 95	7	35	55	400	5 - 8	4200
VTEPWA8/50	M8 X 50	9	35	10	400	5 - 8	10000
VTEPWA8/65	M8 X 65	9	40	20	400	5 - 8	10000
VTEPWA8/80	M8 X 80	9	40	35	400	5 - 8	10000
VTEPWA8/95	M8 X 95	9	40	50	400	5 - 8	10000
VTEPWA8/120	M8 X 120	9	40	60	400	5 - 8	10000
VTEPWA8/150	M8 X 150	9	40	75	400	5 - 8	10000
VTEPWA8/165	M8 X 165	9	40	135	400	5 - 8	10000
VTEPWA8/220	M8 X 220	9	40	175	400	5 - 8	10000
VTEPWA10/65	M10 X 65	12	40	15	400	5 - 8	14000
VTEPWA10/80	M10 X 80	12	50	20	400	5 - 8	14000
VTEPWA10/95	M10 X 95	12	50	35	400	5 - 8	14000
VTEPWA10/115	M10 X 115	12	50	55	400	5 - 8	14000
VTEPWA10/120	M10 X 120	12	50	60	400	5 - 8	14000
VTEPWA10/130	M10 X 130	12	50	70	400	5 - 8	14000
VTEPWA12/80	M12 X 80	14	50	20	400	5 - 8	16500
VTEPWA12/100	M12 X 100	14	60	30	400	5 - 8	16500
VTEPWA12/120	M12 X 120	14	60	50	400	5 - 8	18500
VTEPWA12/135	M12 X 135	14	60	65	400	5 - 8	18500
VTEPWA12/150	M12 X 150	14	60	80	400	5 - 8	18500
VTEPWA16/105	M16 X 105	18	70	15	220	5 - 8	28000
VTEPWA16/140	M16 X 140	18	80	40	220	5 - 8	28000
VTEPWA16/180	M16 X 180	18	80	82	220	5 - 8	28000
VTEPWA16/220	M16 X 220	18	80	120	220	5 - 8	28000
VTEPWA20/125	M20 X 125	22	85	15	220	5 - 8	29000
VTEPWA20/160	M20 X 160	22	100	40	220	5 - 8	39000
VTEPWA20/200	M20 X 200	22	100	80	220	5 - 8	39000
VTEPWA20/300	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 installaation.
- \* Bolt length,  $l = L + t$ .
- \* Stud length,  $l = L + t + \text{thickness of washer \& nut}$ .
- \* A safe working load should not exceed 25% sated values.

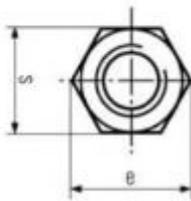
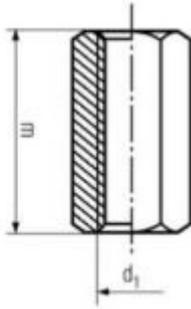
Product Code	Size (mm)	Shield Length (mm)	Hole Diameter (mm)	Length Of Anchor (mm)	Microns ( $\mu$ )
VTEPDWA06	M6	45	12	40	5 - 8
VTEPDWA08	M8	50	14	50	5 - 8
VTEPDWA10	M10	60	16	60	5 - 8
VTEPDWA12	M12	75	20	65	5 - 8
VTEPDWA16	M16	115	25	90	5 - 8
VTEPDWA20	M20	130	32	115	5 - 8

**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 1/4" to 2 1/2" 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
VTEPHCN06	M6	1	11.05	10	18
VTEPHCN08	M8	1.25	14.38	13	24
VTEPHCN10	M10	1.5	18.9	17	30
VTEPHCN12	M12	1.75	21.1	19	36
VTEPHCN14	M14	2	24.49	22	42
VTEPHCN16	M16	2	26.75	24	48
VTEPHCN18	M18	2.5	29.56	27	54
VTEPHCN20	M20	2.5	32.95	30	60
VTEPHCN22	M22	2.5	35.03	32	66
VTEPHCN24	M24	3	39.55	36	72
VTEPHCN27	M27	3	45.2	41	81
VTEPHCN30	M30	3.5	50.85	46	90
VTEPHCN36	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



VTEPSN



VTEPSNS



VTEPSNL

### FEATURES AND BENEFITS.

<b>Description:-</b>	<ul style="list-style-type: none"> <li>* For all types of Strut Rail</li> <li>* For tight fixing of accessories (e.g. Connectors) on 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 / A123M.</li> </ul>

Product Code	Size (mm)	Spring Length (mm)	For Rail	T (max.) (Nm)	Max Load (N)	Box Quantity
VTEPSN06	M6	NA	Strut	7.5	5300	1500
VTEPSN08	M8	NA	Strut	15	6000	1500
VTEPSN10	M10	NA	Strut	15	9500	1000
VTEPSN12	M12	NA	Strut	30	10000	1000
VTEPSNS06	M6	13	Strut 41 x 21	7.5	5300	1200
VTEPSNS08	M8	13	Strut 41 x 21	15	6000	1200
VTEPSNS10	M10	13	Strut 41 x 21	15	9500	1000
VTEPSNS12	M12	13	Strut 41 x 21	30	10000	1000
VTEPSNL06	M6	33	Strut 41 x 41	7.5	5300	1000
VTEPSNL08	M8	33	Strut 41 x 41	15	6000	1000
VTEPSNL10	M10	33	Strut 41 x 41	15	9500	800
VTEPSNL12	M12	33	Strut 41 x 41	30	10000	800

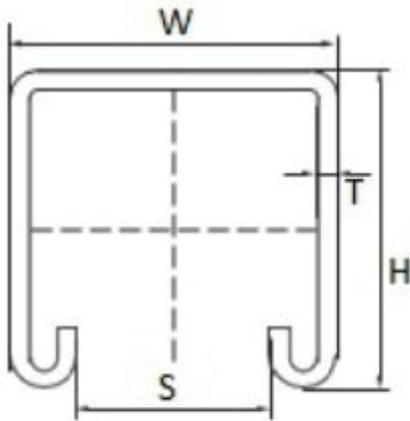
NOTE:- 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 5 $\mu$  - 8 $\mu$
- b. HDG - MICRONS : 30 $\mu$  - 55 $\mu$





## 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
VTEPSC21-1.5	41	21	1.5	2,3 or 6	22	12
VTEPSC41-1.5	41	41	1.5	2,3 or 6	22	8
VTEPSC21-2	41	21	2	2,3 or 6	22	12
VTEPSC41-2	41	41	2	2,3 or 6	22	8
VTEPSC21-2.5	41	21	2.5	2,3 or 6	22	12
VTEPSC41-2.5	41	41	2.5	2,3 or 6	22	8

Product Code	Unit	VTEPSC21-1.5	VTEPSC41-1.5	VTEPSC21-2	VTEPSC41-2	VTEPSC21-2.5	VTEPSC41-2.5
Area of Shear	cm <sup>2</sup>	0.42	1.02	0.55	1.34	0.67	1.67
Moment of Inerti a(xx)	cm	0.7	3.87	0.88	4.59	1.03	5.87
Moment of Inerti a(yy)	cm	3.34	5.68	4.25	6.99	5.07	8.76
Min. Sectio nModulus	cm	0.6	1.76	0.75	2.18	0.89	2.72
Wrapping Costant	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

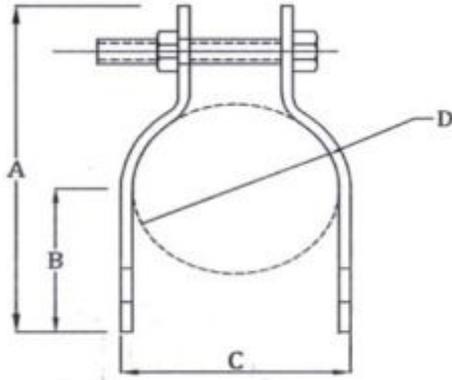
NOTE:- 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 5μ - 8μ
- b. HDG - MICRONS : 30μ - 55μ





## 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						
VTEPSCP022	½"	DN15	21.3	50.5	14.2	25	M6 X 25	500
VTEPSCP027	¾"	DN20	26.7	57.1	17.5	30	M6 X 25	400
VTEPSCP034	1"	DN25	33.4	63.8	20.6	38	M6 X 25	350
VTEPSCP042	1 ¼"	DN32	42.1	76.2	25.4	46	M6 X 25	300
VTEPSCP048	1 ½"	DN40	48.2	81.5	28.4	52	M6 X 25	250
VTEPSCP060	2"	DN50	60.3	95.8	34.8	65	M8 X 40	200
VTEPSCP073	2 ½"	DN65	73	108.7	41.1	78	M8 X 40	150
VTEPSCP090	3"	DN80	88.9	128.3	50.8	94	M8 X 40	100
VTEPSCP114	4"	DN100	114.3	153.7	63.5	120	M8 X 40	75
VTEPSCP168	6"	DN150	168.3	220	106	172	M8 X 40	50

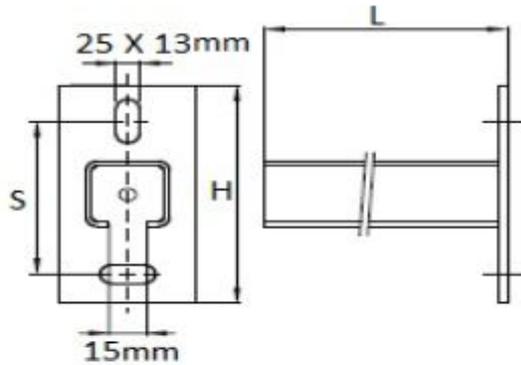
NOTE:- 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 5μ - 8μ
- b. HDG - MICRONS : 30μ - 55μ





## CANTILEVER ARM



### FEATURES AND BENEFITS.

- Description:-**
- \* Wall plate with welded C-profile.
  - \* Perfectly suitable for hanging to the ceiling.
  - \* Slots at 90° to each other to simplify fixing Strut Rail
  - \* CO2 welded.
  - \* A continuous graduated centimetre scale on one side.
  - \* Suitable for in- and outdoor applications.
  - \* Stands min. 1.000 hours salt spray test (max. 5% red rust) according to ISO 9227.

**Material:-** Steel, other materials on request.

- Special:-**
- \* Electro galvanized as per ASTM B 633
  - \* Electro galvanized as per ASTM A 123 / A 123M.

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)	
VTEPCA41/150	41 x 41	13 X 25	90	150	130	6100	3000	3000	2000	20
VTEPCA41/300	41 x 41	13 X 25	90	300	130	3000	1500	1500	1000	20
VTEPCA41/450	41 x 41	13 X 25	90	450	130	2000	1000	1000	650	5
VTEPCA41/600	41 x 41	13 X 25	90	600	130	1500	750	750	500	2
VTEPCA41/750	41 x 41	13 X 25	90	750	130	1250	600	600	400	1
VTEPCA21/150	21 X 21	13 X 25	70	150	110	2000	1000	1000	650	20
VTEPCA21/300	21 X 21	13 X 25	70	300	110	1000	500	500	330	20
VTEPCA21/450	21 X 21	13 X 25	70	450	110	670	330	330	220	5

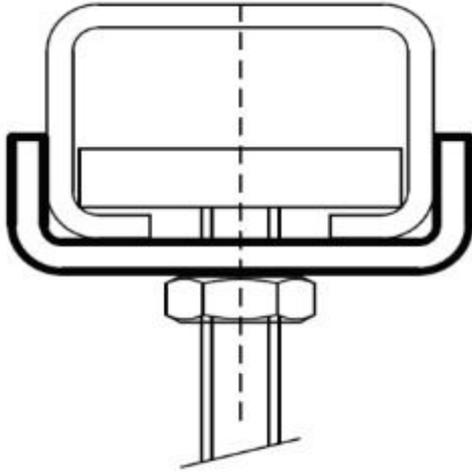
**NOTE:-** 1. OTHER DIMENSIONS AVAILABLE ON REQUEST.

2. a. EP - MICRONS : 5μ - 8μ  
b. HDG - MICRONS : 30μ - 55μ





## C WASHER



### FEATURES AND BENEFITS.

- Description:-**
- \* Wall plate with welded C-profile.
  - \* Perfectly suitable for hanging to the ceiling
  - \* Slots at 90° to each other to simplify fixing Strut Rail.
  - \* CO2 welded
  - \* A continuous graduated centimetre scale on one side
  - \* Suitable for in- and outdoor applications.
  - \* Stands min. 1.000 hours salt spray test (max. 5% red rust) according to ISO 9227

**Material:-** Steel, other materials on request

**Special:-** \* 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)		
VTEPCA41/150	41 x 41	13 X 25	90	150	130	6100	3000	3000	2000	8 - 15	20
VTEPCA41/300	41 x 41	13 X 25	90	300	130	3000	1500	1500	1000	8 - 15	20
VTEPCA41/450	41 x 41	13 X 25	90	450	130	2000	1000	1000	650	8 - 15	5
VTEPCA41/600	41 x 41	13 X 25	90	600	130	1500	750	750	500	8 - 15	2
VTEPCA41/750	41 x 41	13 X 25	90	750	130	1250	600	600	400	8 - 15	1
VTEPCA21/150	21 X 21	13 X 25	70	150	110	2000	1000	1000	650	8 - 15	20
VTEPCA21/300	21 X 21	13 X 25	70	300	110	1000	500	500	330	8 - 15	20
VTEPCA21/450	21 X 21	13 X 25	70	450	110	670	330	330	220	8 - 15	5

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





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