

# VIBRATION MANAGEMENT CORPORATION

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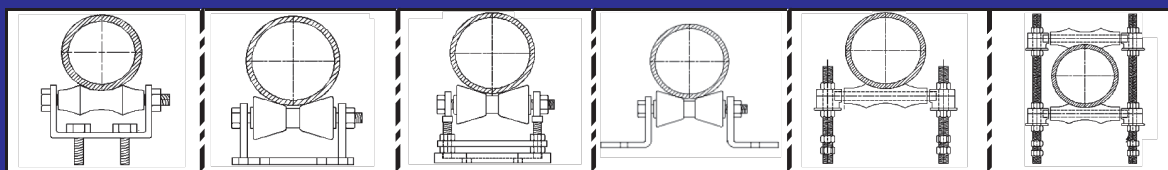
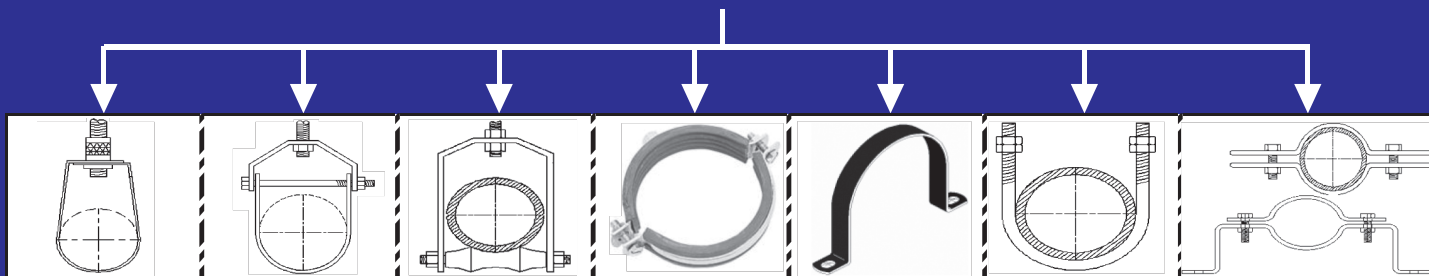
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## VIMCO™ PIPE / DUCT SUPPORTS & ACCESSORIES

### PIPE HANGERS / PIPE CLAMPS



### PIPE SUPPORTS

### PIPING / DUCTING ACCESSORIES



Local Representative :

Due to our policy of continual product development and improvement, all specifications are subject to change without prior notice. Please consult your local rep. for updates.

Catalog no.

**G - 1020**

Rev. 0



VIMCO is a certified member of the Manufacturer's Standardization Society of the Valves and Fittings Industry (MSS) and serves on the Pipe Hangers Technical Committee which develops the ANSI/MSS SP-58 standard. The MSS SP-58 certification establishes that VIMCO meets the material criteria, design criteria, fabrication criteria and inspection criteria to be used in the fabrication of standard types of pipe hangers and supports components.

## COMPLIANCE

VIMCO™ cataloged range of pipe supports meets or exceeds industry standards set for their design and manufacture.


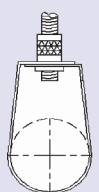
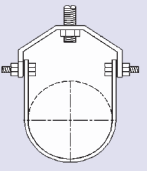
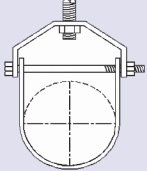
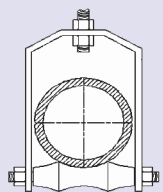
- Applicable standards for individual products are indicated in relevant submittal catalogs (S-2730.xx thru S-2739.xx) and consist of the following:
  - ANSI/MSS SP-58-2009** Pipe Hangers and Support - Materials, Design, Manufacture, Selection, Application, and Installation
  - A-A-1192A** Federal Specification, Pipe Hangers & Supports
  - ASME B31.9-2011** Building Services Piping
  - NFPA 13-2007** Standard for the Installation of Sprinkler Systems
  - FM 1951** Pipe Hanger Components for Automatic Sprinkler Systems
  - ANSI UL 203** Pipe Hanger Equipment for Fire Protection Service
- All carbon steel used in the manufacture of VIMCO™ pipe support products is mill certified and engineered for cold forming, which enhances structural integrity of the fabricated component. Steel raw material complies with the following standards:
  - ASTM A1008** Cold Rolled Steel
  - ASTM A1011** Hot Rolled Steel
  - ASTM A653** Hot-Dip Zinc Coated Steel Sheet
- Where a galvanic corrosion proof coating is factory applied, the followings standards are adhered to:
  - ASTM A123** Standard specification for Zinc (Hot-Dip Galvanized) Coatings on Iron or Steel Products
  - ASTM B633** Standard specification for ElectroDeposited Coatings of Zinc on Iron and Steel.

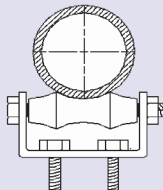
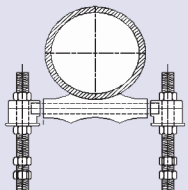
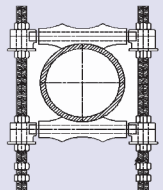
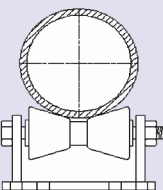
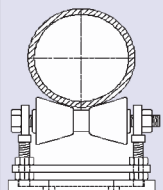
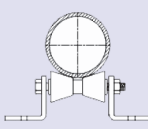
### Finishes:

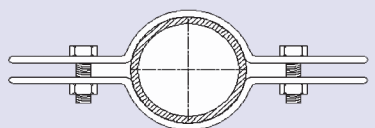
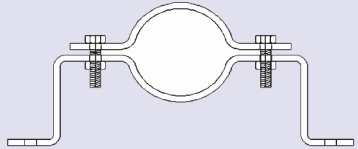

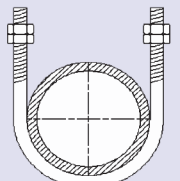
VIMCO offers following finishes on its Pipe Supports range of Products:

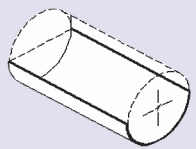
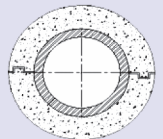
<b>P</b>	Plain (black)
<b>G</b>	Electro Plated Zinc to <b>ASTM B633</b> (for all sheet-metals & Rollers) OR <b>ASTM A653</b> (for Hardware & IPS)
<b>H*</b>	Hot Dipped Galvanized (after fabrication) to <b>ASTM A123</b> (non-threaded components only. NOT available to hardwares e.g. nuts, bolts, axles etc.)

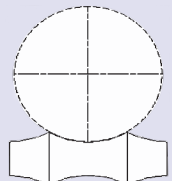
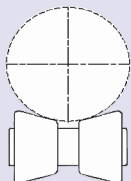
\* Please check with factory regarding the availability of this Finish on particular model, as it may not be available to some Products.







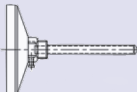
PIPE HANGERS					
Split Clamp	Swivel type	Clevis type		Roller type	Page <b>5 - 7</b>
<u>PSP / PSL</u>	<u>MSS Type 10</u> <u>ASRH / ASRHNF</u>	<u>MSS Type 1</u>		<u>MSS Type 43</u> <u>LRH</u>	
		<u>PCH</u> 	<u>NCH</u> 		



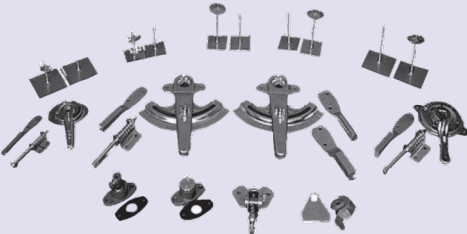
PIPE SUPPORTS					
Long Roller type			Short Roller type		
<u>MSS Type 44</u> <u>LRC</u>	<u>MSS Type 41</u> <u>ALRS / ALRH</u>	<u>ALRSG</u>	<u>MSS Type 44</u> <u>SRS</u>	<u>MSS Type 46</u> <u>ASRS</u>	<u>SRBS</u>
					
Page <b>8 - 10</b>					

PIPE CLAMPS			
Standard Riser Camp	Offset Riser Camp	U Clamp / Bolt	
<u>MSS Type 8</u> <u>SRPC</u>	<u>ORPC</u>	<u>SUC</u>	<u>MSS Type 24</u> <u>UB</u>
			
Page <b>11 - 13</b>			

INSULATION INSERTS	
Insulation Protection Shield	High Density Rubber Insert
<u>IPS / SIPS</u>	<u>HDRI</u>
	
Page <b>13 - 14</b>	

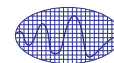
ROLLERS	
Long Roller	Short Roller
<u>LR</u>	<u>SR</u>
	
Page <b>15</b>	

PIPING ACCESSORIES						
Gauge Cock	U syphon	Test Plug	Airvent	Meters and Gauges		
		VTPT		Pr Gauge	Thermometer	Temp Gauge
						
Page 16 - 20						

DUCT MOUNTS & ACCESSORIES		
Duct Mount	Flexible Connector	Accessories
AVHM	VDFC	
		
Page 21 - 25		

TECHNICAL DATA	
	Page 2 & 26

# Extension Split Ring Hangers

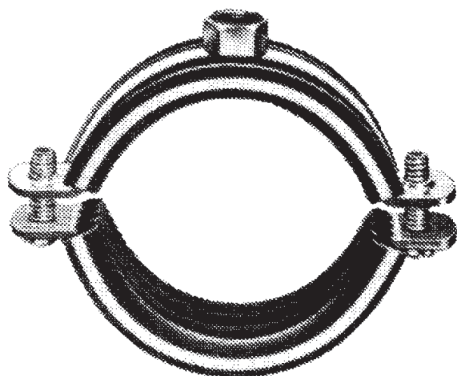


VIMCO

## Features + Application Information

1. Suspension of non-insulated pipes.
2. Simple, quick installation.
3. Side bolts with slot and cross-head for ease of tightening
4. Rubber lining on PSL models absorbs sound and vibration and acts as a thermal barrier.

## Dimensional + Model Selection Data



PSL Model shown above

Model	Pipe Size (inches)	Rod Size	Range (mm)	Max Load (lbs)
PSx-03	3/8	M8 / M10	15 - 19	370
PSx-05	1/2	M8 / M10	20 - 25	370
PSx-07	3/4	M8 / M10	26 - 30	370
PSx-10	1	M8 / M10	32 - 36	370
PSx-12	1 1/4	M8 / M10	38 - 43	370
PSx-15	1 1/2	M8 / M10	47 - 51	370
PSx-17	--	M8 / M10	53 - 58	370
PSx-20	2	M8 / M10	60 - 64	370
PSx-22	--	M8 / M10	68 - 72	370
PSx-25	2 1/2	M8 / M10	75 - 80	370
PSx-28	--	M8 / M10	81 - 86	370
PSx-30	3	M8 / M10	87 - 92	370
PSx-34	--	M8 / M10	99 - 105	675
PSx-37	--	M8 / M10	107 - 112	675
PSx-40	4	M8 / M10	113 - 118	675
PSx-42	--	M8 / M10	125 - 130	675
PSx-45	--	M8 / M10	132 - 137	675
PSx-50	5	M8 / M10	138 - 142	900
PSx-55	--	M8 / M10	148 - 152	900
PSx-60	6	M8 / M10	159 - 166	900
PSx-67	--	M8 / M10	177 - 190	900
PSx-75	--	M8 / M10	200 - 212	900
PSx-80	8	M8 / M10	215 - 220	900

## MATERIALS

Item	Description
Clamp	Galvanized steel
Lining (on PSL model only)	Synthetic rubber

Choose appropriate model as per requirement: **PSP - Plain, PSL - With rubber lining**

Pipe size indicated above is for mild steel pipes. Contact factory for copper tube sizing.

Options available:

- i. Pipe clamps suitable for M10 / M12 hanger rods
- ii. Nuts for side bolts

## Insulated Pipe Sizing Chart (PSx ONLY):

Nominal MS Pipe Size (inches)	Insulation Thickness (inches)						
	0"	.75"	1"	1½"	2"	2½"	3"
< ½	PSx-03	-	-	-	-	-	-
½	PSx-05	PSx-20	PSx-22	PSx-34	PSx-42	PSx-55	PSx-67
¾	PSx-07	PSx-20	PSx-25	PSx-34	PSx-42	PSx-55	PSx-67
1	PSx-10	PSx-22	PSx-28	PSx-37	PSx-45	PSx-60	PSx-67
1¼	PSx-12	PSx-25	PSx-30	PSx-40	PSx-50	PSx-60	PSx-75
1½	PSx-15	PSx-28	PSx-34	PSx-42	PSx-55	PSx-67	PSx-75
2	PSx-20	PSx-34	PSx-37	PSx-45	PSx-60	PSx-67	PSx-75
2½	PSx-22	PSx-37	PSx-42	PSx-55	PSx-67	PSx-75	-
3	PSx-30	PSx-42	PSx-50	PSx-60	PSx-67	PSx-80	-
4	PSx-40	PSx-55	PSx-60	PSx-67	PSx-80	-	-
5	PSx-50	PSx-67	PSx-75	PSx-80	-	-	-
6	PSx-60	PSx-75	PSx-80	-	-	-	-
8	PSx-80	-	-	-	-	-	-

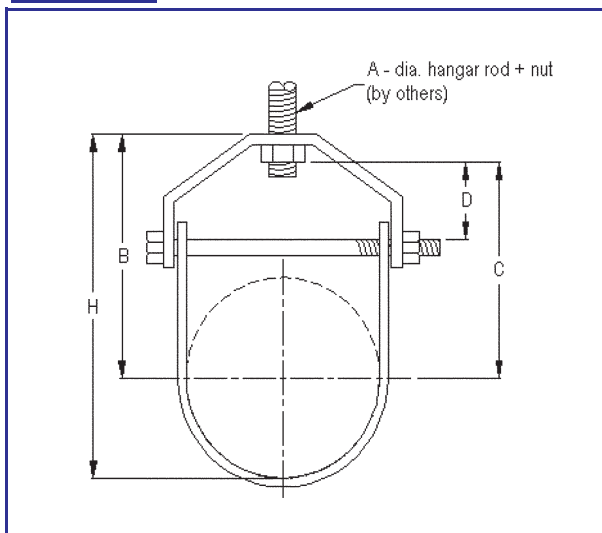
**Consult Factory for Other Pipe types / Sizes**



## Features + Application Information

1. Suspension of pipes with allowance for vertical adjustment.
2. Design allows for vertical adjustment of pipe after installation.

### Model: NCH



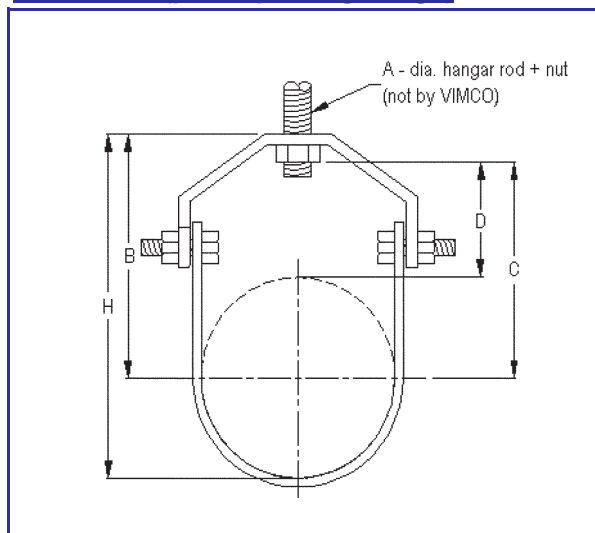
## MATERIALS

Item	Description
Bracket	Low carbon steel
Cross bolt + hex nut	Low carbon steel

1. Choose appropriate model for required finish: *P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)*
2. Add "L" to model suffix to add 1/8" internal elastomeric lining (e.g. *PCHL / NCHL*). Horizontal ID of lined hanger will reduce by 1/4"

3. Complies with Federal Specification A-A-1192A (Type 1)
4. Complies with ANSI/MSS SP-58-2009 (Type 1)

### Model: PCH (patent pending design)



## Special Features - model PCH

- \* Design allows for vertical adjustment of pipe after installation.
- \* Eliminates need for seismic cross-bolt brace. Design includes restraint to keep clevis from collapsing during seismic event.
- \* Allows easy installation by maintaining vertical alignment of bottom + top members
- \* Prevents hanger sag caused by inward movement of upper ends of lower yoke.

## Dimensional + Model Selection Data

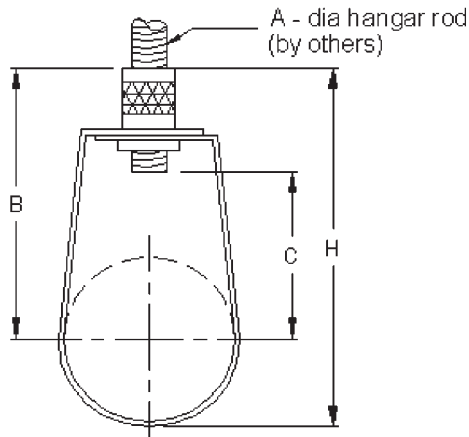
MODEL	Pipe Size (")	Part Dimension (inches)						Max. Load (lbs)
		A	B	C	D		H	
PCH / NCH-5-x	1/2	3/8	1 7/8	1 7/16	1	9/16	2 5/16	610
PCH / NCH-7-x	3/4	3/8	1 7/8	1 7/16	15/16	9/16	2 7/16	610
PCH / NCH-10-x	1	3/8	2 5/16	1 7/8	1 1/4	11/16	3	610
PCH / NCH-12-x	1 1/4	3/8	2 5/8	2 1/4	1 3/8	7/8	3 1/2	610
PCH / NCH-15-x	1 1/2	3/8	2 15/16	2 9/16	1 9/16	1 9/16	3 15/16	610
PCH / NCH-20-x	2	3/8	3 3/8	2 15/16	1 11/16	1 1/4	4 5/8	610
PCH / NCH-25-x	2 1/2	1/2	4 5/8	4 1/16	2 9/16	1 15/16	6 1/8	1130
PCH / NCH-30-x	3	1/2	4 11/16	4 1/8	2 3/8	1 3/4	6 1/2	1130
PCH / NCH-35-x	3 1/2	1/2	5 3/4	5 3/16	3 1/8	2 9/16	7 13/16	1130
PCH / NCH-40-x	4	5/8	5 13/16	5 1/16	2 3/4	2 1/8	8 1/8	1430
PCH / NCH-50-x	5	5/8	5 3/4	5	2 1/8	1 7/16	8 5/8	1430
PCH / NCH-60-x	6	3/4	7	6 1/8	2 3/4	1 3/4	10 3/8	1940
PCH / NCH-80-x	8	3/4	8 1/16	7 1/4	2 13/16	1 7/8	12 7/16	2000
PCH / NCH-100-x	10	7/8	9 3/4	8 3/4	3 5/16	2 1/4	15 3/16	3600
PCH / NCH-120-x	12	7/8	11 9/16	10 7/16	4	2 13/16	18	3800
PCH / NCH-140-x	14	1	12 5/16	11 1/16	4	2 9/16	19 7/16	4200
PCH / NCH-160-x	16	1	13 15/16	12 5/8	4 5/8	2 7/8	21 15/16	4600
PCH / NCH-180-x	18	1	16	14 11/16	5 11/16	3 3/4	25	4800
PCH / NCH-200-x	20	1 1/4	17 1/2	15 15/16	5 15/16	3 15/16	27 1/2	4800
PCH / NCH-240-x	24	1 1/4	19 3/4	18 1/16	6 1/16	4 7/16	31 3/4	4800
PCH / NCH-300-x	30	1 1/4	24 1/8	22 5/16	7 5/16	5 5/16	39 1/8	6000
PCH / NCH-360-x	36	1 1/2	31	28 15/16	10 15/16	8 11/16	49	9500

# Adjustable Swivel Ring Hanger

## Features + Application Information

1. Suspension of pipes with allowance for vertical adjustment.
2. Knurled nut allows for vertical adjustment of pipe after installation.
3. Engineered 'swivel' design suitable for non-linear piping layout
4. Complies with Federal Specification A-A-1192A (Type 10)
5. Complies with ANSI/MSS SP-58-2009 (Type 10)
6. Complies with NFPA codes for reduced rod sizes (ASRHNF model only)

## Dimensional + Model Selection Data



MODEL	Pipe Size (")	Part Dimensions (inches)			ASRH model		ASRHNF model	
		B	C	H	A (")	Max. Load (lbs)	A (")	Max. Load (lbs)
ASRH / ASRHNF-5-x	1/2	2 3/8	1 1/4	2 7/8	3/8	180	3/8	180
ASRH / ASRHNF-7-x	3/4	2 3/8	1 5/16	3	3/8	180	3/8	180
ASRH / ASRHNF-10-x	1	2 5/8	1 1/2	3 3/8	3/8	180	3/8	180
ASRH / ASRHNF-12-x	1 1/4	2 7/8	1 11/16	3 3/4	3/8	180	3/8	180
ASRH / ASRHNF-15-x	1 1/2	3 1/8	1 15/16	4 1/8	3/8	180	3/8	180
ASRH / ASRHNF-20-x	2	3 1/2	2 5/16	4 3/4	3/8	180	3/8	180
ASRH / ASRHNF-25-x	2 1/2	4	2 5/8	5 1/2	1/2	300	3/8	200
ASRH / ASRHNF-30-x	3	4 1/2	3 1/8	6 3/8	1/2	300	3/8	250
ASRH / ASRHNF-35-x	3 1/2	4 15/16	3 9/16	7	1/2	300	3/8	300
ASRH / ASRHNF-40-x	4	5 3/16	3 5/8	7 1/2	5/8	475	3/8	360
ASRH / ASRHNF-50-x	5	5 23/32	4 1/8	8 5/8	5/8	475	1/2	480
ASRH / ASRHNF-60-x	6	6 13/16	5 1/16	10 1/4	3/4	950	1/2	630
ASRH / ASRHNF-80-x	8	8 1/16	6 5/16	12 1/2	3/4	950	1/2	970

Item	Description
Bracket	Low carbon steel
Knurled nut	Low carbon steel

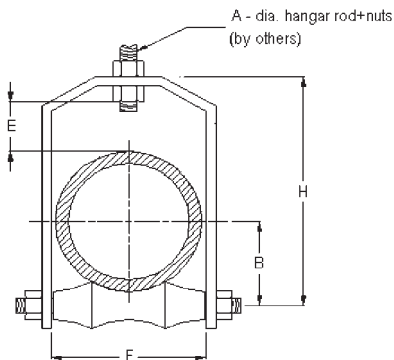
1. For hangers complying with NFPA codes for reduced rod sizes, specify model **ASRHNF**
2. To order ring hanger only without swivel nut, specify model **RHxx** instead of **ASRHxx**.
3. Choose appropriate model for required finish: *P-Plain*. *G-Galvanized*. *H-Hot Dip Galvanized* (*non-threaded components only*)
4. Add "L" to model suffix to add 1/8" internal elastomeric lining (e.g. **ASRHxxL**). Horizontal ID of lined hanger will reduce by 1/4"

# Long Roller Hanger

## Features + Application Information

1. Suspension of pipes where longitudinal movement, due to expansion and contraction, may occur, and vertical adjustment is required.
2. Design allows for vertical adjustment of pipe after installation.
3. Complies with Federal Specification A-A-1192A (Type 44)
4. Complies with ANSI/MSS SP-58-2009 (Type 43)

## Dimensional + Model Selection Data



Model	Pipe Size (")	Part Dimensions (inches)					Max. Load (lbs)
		A	B	E	F	H	
LRH-20-x	2	3/8	1 9/16	1 7/16	2 7/8	4 3/4	150
LRH-25-x	2 1/2	1/2	1 7/8	2	3 1/4	6	225
LRH-30-x	3	1/2	2 3/16	2	3 7/8	6 5/8	310
LRH-35-x	3 1/2	1/2	2 1/2	2	4 3/8	7 1/4	390
LRH-40-x	4	5/8	2 3/4	2	4 7/8	7 7/8	475
LRH-50-x	5	5/8	3 3/8	2	5 15/16	9 3/16	685
LRH-60-x	6	3/4	3 15/16	2	7	10 3/8	780
LRH-80-x	8	7/8	5 1/16	2	9	12 5/8	780
LRH-100-x	10	7/8	6 1/4	2 1/16	11 1/8	14 15/16	965
LRH-120-x	12	7/8	7 3/8	2 1/4	13 3/8	17 3/8	1200
LRH-140-x	14	1	8 1/4	2 1/4	14 1/2	19	1200
LRH-160-x	16	1	9 1/4	2	16 3/8	20 3/4	1200
LRH-180-x	18	1	10 3/8	2 11/16	18 3/8	23 11/16	1400
LRH-200-x	20	1 1/4	11 1/2	2 1/2	20 3/8	25 7/8	1600
LRH-240-x	24	1 1/2	13 13/16	4 1/2	24 1/2	32 9/16	1600
LRH-300-x	30	1 1/2	17 1/4	5 1/2	30 5/8	40	1600

## MATERIALS

Item	Description
Bracket	Low carbon steel
Roller	Cast Iron
Axle + hex nut	Low carbon steel

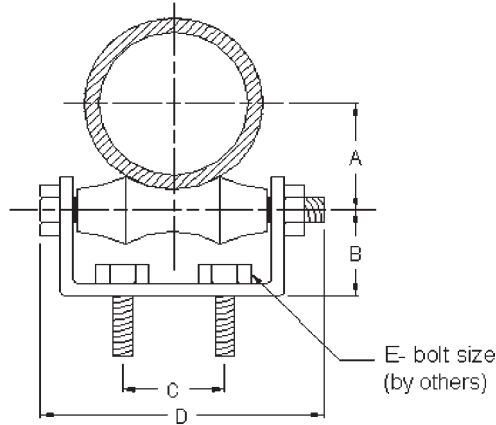
Choose appropriate model for required finish: *P-Plain*. *G-Electro Galvanized*. *H-Hot Dip Galvanized* (*non-threaded components only*)

# Long Roller Chair

## Features + Application Information

- Support of pipes where longitudinal movement, due to expansion and contraction, may occur, and vertical adjustment is not required.
- Complies with Federal Specification A-A-1192A (Type 45)
- Chair can be welded directly to structure or bolted in place using mounting holes which are standard construction.
- Complies with ANSI/MSS SP-58-2009 (Type 44)

## Dimensional + Model Selection Data



## MATERIALS

Item	Description
Roller	Cast Iron
Chair	Low carbon steel
Axle + hex nut	Low carbon steel

Model	Pipe Size (")	Part Dimensions (inches)					Max. Load (lbs)
		A	B	C	D	E	
LRC-20-x	2	1 9/16	1 1/2	1 1/4	4 5/8	3/8 x 1 1/2	300
LRC-25-x	2 1/2	1 7/8	1 5/8	1 1/4	5 3/8	3/8 x 1 1/2	600
LRC-30-x	3	2 3/16	1 3/4	2	6	3/8 x 1 1/2	600
LRC-35-x	3 1/2	2 1/2	2 1/16	2	6 3/4	3/8 x 1 1/2	600
LRC-40-x	4	2 3/4	2 5/16	2	7 1/4	1/2 x 1 1/2	700
LRC-50-x	5	3 3/8	2 1/2	3	8 7/16	1/2 x 1 1/2	700
LRC-60-x	6	3 15/16	2 3/4	3 1/8	9 3/4	1/2 x 1 1/2	1000
LRC-80-x	8	5 1/16	3	3 3/8	12	5/8 x 1 1/2	1300
LRC-100-x	10	6 1/4	3 5/8	5 1/4	14 7/16	5/8 x 2	1700
LRC-120-x	12	7 3/8	4 1/8	5 1/2	16 5/8	5/8 x 2	2300
LRC-140-x	14	8 1/4	4 5/8	5 3/4	18 3/8	5/8 x 2	3000
LRC-160-x	16	9 1/4	5 1/4	8	20 5/8	5/8 x 2	4000
LRC-180-x	18	10 3/8	5 1/8	9 1/2	22 5/8	5/8 x 2	4000
LRC-200-x	20	11 1/2	5 5/8	10	25	3/4 x 2 1/4	4000
LRC-240-x	24	13 13/16	6 5/8	12	29 3/4	3/4 x 2 1/4	4000
LRC-300-x	30	17 1/4	7 1/8	14	36 1/2	1 x 2 1/2	4000

Choose appropriate model for required finish:

P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)

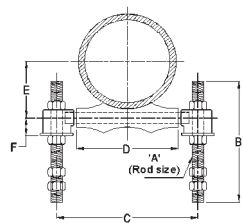
# Adjustable Long Roller Support

## Features + Application Information

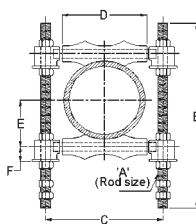
- Support of pipes where longitudinal movement, due to expansion and contraction, may occur, and vertical adjustment is required.
- Design allows for vertical adjustment of pipe after installation.
- Complies with Federal Specification A-A-1192A (Type 42)
- Complies with ANSI/MSS SP-58-2009 (type 41)

## Dimensional + Model Selection Data

### ALRS models



### ALRSG models



## MATERIALS

Item	Description
Roller	Cast Iron
Axle(s) + Rods + Hex Nuts	Low carbon steel
Sockets	Malleable Cast Iron

Model	Pipe Size (")	Part Dimensions (inches)							Max. Load (lbs)
		A	B		C	D	E	F	
ALRx(x)-40-x	4	5/8	12	18	6 3/4	4 3/4	2 3/4	3/4	750
ALRx(x)-50-x	5	5/8	12	18	8 1/16	5 13/16	3 3/8	3/4	750
ALRx(x)-60-x	6	3/4	12	24	9 9/16	6 7/8	3 15/16	1 1/8	1070
ALRx(x)-80-x	8	7/8	12	24	11 15/16	8 7/8	5 1/16	1 1/8	1350
ALRx(x)-100-x	10	7/8	12	30	14 1/16	11	6 1/4	1 1/8	1730
ALRx(x)-120-x	12	7/8	12	30	15 13/16	13	7 3/8	1 1/8	2400
ALRx(x)-140-x	14	1	12	36	17 3/4	14 1/4	8 1/4	1 1/2	3130
ALRx-160-x	16	1 1/4	18	NA	20 1/2	16 1/4	9 1/4	1 5/8	3970
ALRx-180-x	18	1 1/4	18		22 3/8	18 1/4	10 3/8	1 5/8	4200
ALRx-200-x	20	1 1/4	18		24 1/2	20 1/4	11 1/2	1 3/4	4550
ALRx-240-x	24	1 1/2	24		28 5/16	24 1/4	13 13/16	2	6000
ALRx-300-x	30	1 1/2	24		35	30 1/4	17 1/4	2 1/4	6000

- Choose appropriate model for required finish:  
P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)
- Choose appropriate model as per requirement:  
ALRS - WITHOUT Guide, ALRSG - WITH Guide
- To order only roller+axle+sockets (for use in ceiling suspended applications with threaded rods) specify model ALRH.

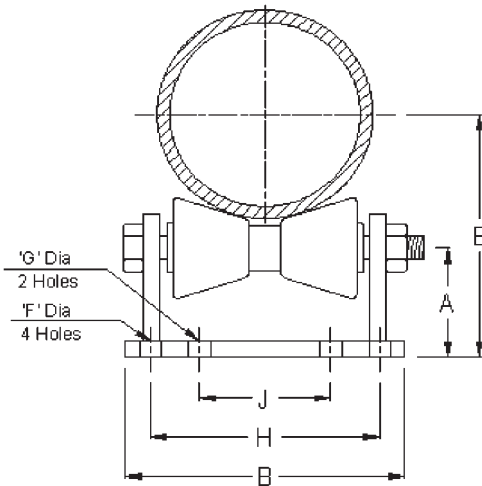


# Short Roller Stand

## Features + Application Information

1. Support of pipes where longitudinal movement, due to expansion and contraction, may occur, and vertical adjustment is not required.
2. Chair can be welded directly to structure or bolted in place using mounting holes which are standard construction.
3. Complies with ANSI/MSS SP-58-2009 (Type 44) upto size 360.420 only
4. Complies with Federal Specification A-A-1192A (Type 45) upto size 360.420 only

## Dimensional + Model Selection Data



### MATERIALS

Item	Description
Roller	Cast Iron
Chair	Low carbon steel
Axle + hex nut	Low carbon steel

Model	Pipe Size (inches)	Part Dimensions (inches)						Max. Load (lbs)
		A	B	E	F	G	H	
SRS-20.35-x	2	1 3/4	5	3 11/16	1/2	9/16	3 7/16	390
	2 1/2	1 3/4	5	3 15/16	1/2	9/16	3 7/16	390
	3	1 3/4	5	4 1/4	1/2	9/16	3 7/16	390
	3 1/2	1 3/4	5	4 1/2	1/2	9/16	3 7/16	390
SRS-40.60-x	4	2 1/16	6 1/4	5	1/2	9/16	4 11/16	950
	5	2 1/16	6 1/4	5 9/16	1/2	9/16	4 11/16	950
	6	2 1/16	6 1/4	6 1/16	1/2	9/16	4 11/16	950
SRS-80.100-x	8	3 7/16	8 1/2	8 13/16	5/8	11/16	7	2100
	10	3 7/16	8 1/2	9 7/8	5/8	11/16	7	2100
SRS-120.140-x	12	3 7/8	10 15/16	11 7/16	3/4	13/16	9 1/16	3075
	14	3 7/8	10 15/16	12 1/16	3/4	13/16	9 1/16	3075
SRS-160.200-x	16	4 1/4	12 3/8	13 5/8	13/16	13/16	10 1/4	4980
	18	4 1/4	12 3/8	14 11/16	13/16	13/16	10 1/4	4980
	20	4 1/4	12 3/8	15 11/16	13/16	13/16	10 1/4	4980
SRS-220.240-x	22	4 3/8	13 1/2	18 11/16	13/16	13/16	11 3/8	6100
	24	4 3/8	13 1/2	17 11/16	13/16	13/16	11 3/8	6100
SRS-260.300-x	26	5 1/8	17	19 3/4	1 1/16	1 1/16	14 1/4	7500
	28	5 1/8	17	20 3/4	1 1/16	1 1/16	14 1/4	7500
	30	5 1/8	17	21 3/4	1 1/16	1 1/16	14 1/4	7500
SRS-360.420-x	36	5 5/8	19 1/4	25 7/8	1 5/16	1 5/16	16 1/2	12000
	38	5 5/8	19 1/4	26 7/8	1 5/16	1 5/16	16 1/2	12000
	40	5 5/8	19 1/4	27 7/8	1 5/16	1 5/16	16 1/2	12000
	42	5 5/8	19 1/4	28 7/8	1 5/16	1 5/16	16 1/2	12000
SRS-440.600-x	48	6 13/32	22	33 1/4	1 5/16	1 5/16	19 1/32	12000
	54	6 13/32	22	36 1/4	1 5/16	1 5/16	19 1/32	12000
	60	6 13/32	22	39 1/4	1 5/16	1 5/16	19 1/32	12000

Choose appropriate model for required finish: *P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)*

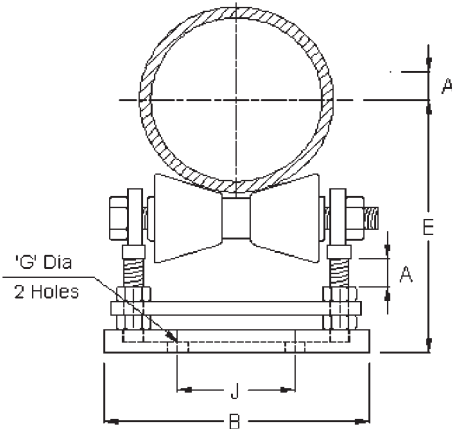
# Adjustable Short Roller Stand

## Features + Application Information

1. Support of pipes where longitudinal movement, due to expansion and contraction, may occur, and vertical adjustment is required.
2. Chair can be welded directly to structure or bolted in place using mounting holes which are standard construction.

3. Design allows for vertical adjustment of pipe after installation.
4. Complies with Federal Specification A-A-1192A (Type 47)
5. Complies with ANSI/MSS SP-58-2009 (Type 46)

## Dimensional + Model Selection Data



### MATERIALS

Item	Description
Roller	Cast Iron
Chair	Low carbon steel
Axle + hex nuts + bolts	Low carbon steel

Model	Pipe Size (")	Part Dimensions (inches)					Max. Load (lbs)
		A	B	E	G	J	
ASRS-20.35-x	2	7/8	5 1/2	4 3/4	9/16	1 1/2	390
	2 1/2	7/8	5 1/2	5	9/16	1 1/2	390
	3	7/8	5 1/2	5 5/16	9/16	1 1/2	390
	3 1/2	7/8	5 1/2	5 9/16	9/16	1 1/2	390
ASRS-40.60-x	4	1 1/4	6 3/4	6 3/16	9/16	2 1/4	950
	5	1 1/4	6 3/4	6 3/4	9/16	2 1/4	950
	6	1 1/4	6 3/4	7 1/4	9/16	2 1/4	950
ASRS-80.100-x	8	1 9/16	9	10 1/8	11/16	4	2100
	10	1 9/16	9	11 3/16	11/16	4	2100
ASRS-120.140-x	12	1 3/8	11 7/16	12 3/4	13/16	5 3/4	3075
	14	1 3/8	11 7/16	13 3/8	13/16	5 3/4	3075
ASRS-160.200-x	16	1 7/8	12 7/8	15 3/8	13/16	6 3/4	4980
	18	1 7/8	12 7/8	16 7/16	13/16	6 3/4	4980
	20	1 7/8	12 7/8	17 7/16	13/16	6 3/4	4980
ASRS-240-x	24	2	14	19 1/4	13/16	7 1/2	6100
ASRS-300-x	30	2 1/4	17 1/2	24 7/16	##	##	7500

Choose appropriate model for required finish:

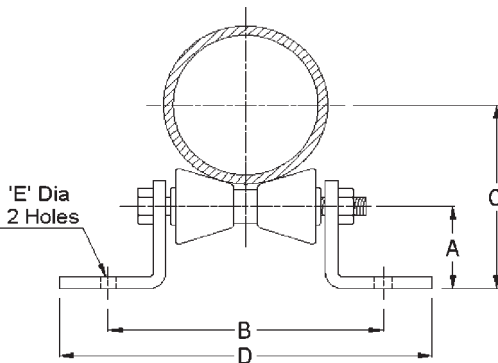
P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)

# Short Roller Base Stand

## Features + Application Information

1. Support of pipes where longitudinal movement, due to expansion and contraction, may occur, and vertical adjustment is not required.
2. Base brackets designed for mounting on struts / metal framing.

## Dimensional + Model Selection Data



### MATERIALS

Item	Description
Angle Brackets	Low carbon steel
Roller	Cast Iron
Axle + hex nuts	Low carbon steel

Model	Pipe Size (")	Part Dimensions (inches)					Max. Load (lbs)
		A	B	C	D	E	
SRBS-20.35-x	2	1 13/16	5 1/4	3 1/8	6 7/8	9/16	390
	2 1/2	1 13/16	5 1/4	3 3/8	6 7/8	9/16	390
	3	1 13/16	5 1/4	3 11/16	6 7/8	9/16	390
	3 1/2	1 13/16	5 1/4	3 15/16	6 7/8	9/16	390
SRBS-40.60-x	4	1 7/16	6 1/4	4 3/8	7 7/8	9/16	600
	5	1 7/16	6 1/4	4 15/16	7 7/8	9/16	600
	6	1 7/16	6 1/4	5 7/16	7 7/8	9/16	600
SRBS-80.100-x	8	1 13/16	8 1/2	7 3/16	10 1/8	9/16	800
	10	1 13/16	8 1/2	8 1/2	10 1/8	9/16	800
SRBS-120.140-x	12	2 7/16	11 3/4	10	13 5/8	13/16	1300
	14	2 7/16	11 3/4	10 5/8	13 5/8	13/16	1300
SRBS-160.200-x	16	2 5/8	12 3/8	12	14 5/8	13/16	2300
	18	2 5/8	12 3/8	13 1/16	14 5/8	13/16	2300
	20	2 5/8	12 3/8	14 1/16	14 5/8	13/16	2300

Choose appropriate model for required finish:

P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)

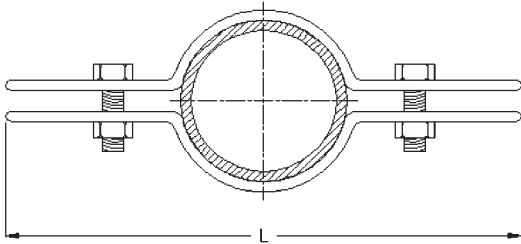
# Standard Riser Pipe Clamp

## Features + Application Information

1. Support and stabilization of vertical pipe runs.
2. Design allows distribution of piping weight over several floors.

3. Complies with Federal Specification A-A-1192A (Type 8)
4. Complies with ANSI/MSS SP-58-2009 (Type 8)

## Dimensional + Model Selection Data



## MATERIALS

Item	Description
Clamp	Low carbon steel
Bolt + nuts	Low carbon steel

1. Choose appropriate model for required finish: *P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)*
2. Add "L" to model suffix to add 1/8" internal elastomeric lining (e.g. SRPCL). Horizontal ID of lined hanger will reduce by 1/4"
3. Contact factory for copper pipe applications.

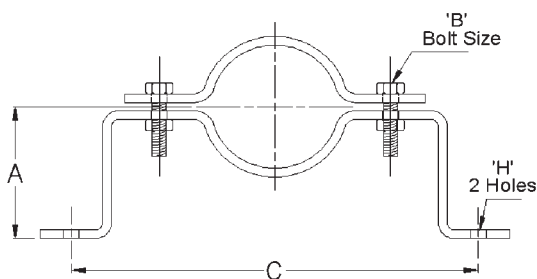
Model	Pipe Size (inches)	Length L (inches)	Max. Load (lbs)
SRPC-5-x	1/2	9	255
SRPC-7-x	3/4	9 1/4	255
SRPC-10-x	1	9 9/16	255
SRPC-12-x	1 1/4	10	255
SRPC-15-x	1 1/2	10 5/16	255
SRPC-20-x	2	10 3/4	255
SRPC-25-x	2 1/2	11 1/4	390
SRPC-30-x	3	11 15/16	530
SRPC-35-x	3 1/2	12 3/8	670
SRPC-40-x	4	12 7/8	810
SRPC-50-x	5	14	1160
SRPC-60-x	6	15 1/16	1570
SRPC-80-x	8	17 1/4	2500
SRPC-100-x	10	19 7/16	2500
SRPC-120-x	12	21 11/16	2700
SRPC-140-x	14	23 1/2	2700
SRPC-160-x	16	25 5/8	2900
SRPC-180-x	18	27 5/8	2900
SRPC-200-x	20	30	2900
SRPC-240-x	24	33 1/2	2900
SRPC-280-x	28	38	2900
SRPC-300-x	30	40	2900
SRPC-320-x	32	42	2900

# Offset Riser Pipe Clamp

## Features + Application Information

1. Support / stabilization of pipes at a fixed distance away from wall or structure.
2. Simple, quick installation
3. Bracket can be welded directly to structure or bolted in place using mounting holes which are furnished as standard.

## Dimensional + Model Selection Data



## MATERIALS

Item	Description
Clamp + Bracket	Low carbon steel
Bolt + nuts	Low carbon steel

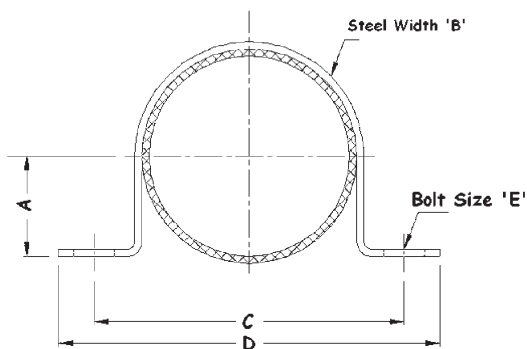
Model	Pipe Size (")	Part Dimensions (inches)				Max. Load (lbs)
		A	B	C	H	
ORPC-5-x	1/2	2 1/2	3/8 x 1 1/2	6	7/16	190
ORPC-7-x	3/4	2 1/2	3/8 x 1 1/2	7 5/16	7/16	190
ORPC-10-x	1	2 5/8	3/8 x 1 1/2	7 9/16	7/16	190
ORPC-12-x	1 1/4	2 13/16	3/8 x 1 1/2	7 7/8	7/16	190
ORPC-15-x	1 1/2	2 15/16	3/8 x 1 1/2	8 1/4	7/16	190
ORPC-20-x	2	3 3/16	3/8 x 1 3/4	9 1/8	7/16	420
ORPC-25-x	2 1/2	3 7/16	3/8 x 1 3/4	10 1/2	7/16	420
ORPC-30-x	3	3 3/4	3/8 x 1 3/4	11 1/8	7/16	420
ORPC-40-x	4	4 1/4	1/2 x 2	12 1/2	9/16	610
ORPC-50-x	5	4 3/4	1/2 x 2 1/4	13 3/4	9/16	610
ORPC-60-x	6	5 5/16	1/2 x 2 1/4	16 1/2	9/16	870
ORPC-80-x	8	6 5/16	1/2 x 2 1/2	18 5/8	9/16	870
ORPC-100-x	10	7 3/4	3/4 x 3	23	13/16	870
ORPC-120-x	12	8 3/4	3/4 x 3	25	13/16	870

1. Choose appropriate model for required finish: *P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)*
2. Add "L" to model suffix to add 1/8" internal elastomeric lining (e.g. ORPCL). Horizontal ID of lined hanger will reduce by 1/4"
3. Contact factory for copper pipe applications.

## Features + Application Information

1. Support / guide / anchor of pipes flush with mounting surface
2. Simple, quick installation
3. Bracket can be welded directly to structure or bolted in place using mounting holes which are furnished as standard.

## Dimensional + Model Selection Data



## MATERIALS

Item	Description
Clamp	Low carbon steel

1. Choose appropriate model for required finish:  
*P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)*
2. Add "L" to model suffix to add 1/8" internal elastomeric lining (e.g. *SUCL*). Horizontal ID of lined hanger will reduce by 1/4"
3. Refer below for size selection table for insulated / non-insulated pipes.

### Insulated Pipe Sizing Chart (SUC ONLY):

Nominal MS Pipe Size (inches)	INSULATION THICKNESS						
	0"	3/4"	1"	1 1/2"	2"	2 1/2"	3"
<b>SUC models</b>							
1/2	5	20	22	30	40	52	60
3/4	7	22	27	35	45	52	65
1	10	22	27	35	45	55	65
1 1/4	12	27	30	40	52	60	70
1 1/2	15	27	30	40	52	60	70
2	20	30	35	45	55	65	77
2 1/2	22	35	40	52	60	70	80
3	30	45	52	55	70	77	89
4	40	55	60	70	77	89	95
5	52	65	70	77	89	95	105
6	60	77	80	89	95	105	115
8	80	n/a	95	105	120	130	145
10	95	115	120	130	145	155	165
12	120	140	145	155	165	175	185
14	140	155	160	165	175	185	200
16	160	n/a	175	185	200	210	220
18	175	n/a	200	210	220	230	240
20	200	n/a	220	230	240	n/a	n/a
24	240	n/a	n/a	n/a	280	n/a	n/a
28	280	n/a	n/a	n/a	n/a	n/a	n/a

MODEL	PIPE SIZE (")	PART DIMENSIONS (inches unless otherwise noted)				
		A	B	C	D	E
SUC-05-x	1/2	0.35	1	2.12	3.11	5/16
SUC-07-x	3/4	0.47	1	2.36	3.34	5/16
SUC-10-x	1	0.61	1	2.63	3.62	5/16
SUC-12-x	1 1/4	0.74	1	2.91	3.89	5/16
SUC-15-x	1 1/2	0.86	1	3.14	4.13	5/16
SUC-20-x	2	1.10	1	3.62	4.60	5/16
SUC-22-x	--	1.12	1	3.97	4.96	5/16
SUC-27-x	--	1.33	1	4.56	5.74	3/8
SUC-30-x	3	1.65	1	5.19	6.37	3/8
SUC-35-x	--	1.81	1	5.70	6.88	3/8
SUC-40-x	4	2.14	1	6.18	7.36	3/8
SUC-45-x	--	2.36	1	6.61	7.79	3/8
SUC-52-x	--	2.57	1	7.36	8.54	3/8
SUC-55-x	--	2.93	1	7.75	8.93	3/8
SUC-60-x	6	3.16	1	8.22	9.40	3/8
SUC-65-x	--	3.32	1 1/2	8.50	9.68	3/8
SUC-70-x	--	3.56	1 1/2	9.25	10.4	3/8
SUC-77-x	--	3.87	1 1/2	9.96	11.1	3/8
SUC-80-x	8	4.19	1 1/2	10.2	11.4	3/8
SUC-89-x	--	4.58	1 1/2	11.6	13.2	1/2
SUC-95-x	--	5.05	1 1/2	12.7	14.3	1/2
SUC-105-x	--	5.59	1 1/2	13.6	15.2	1/2
SUC-115-x	--	6.00	1 1/2	14.5	16.1	1/2
SUC-120-x	12	6.20	1 1/2	14.8	16.4	1/2
SUC-130-x	--	6.63	2	16.1	18.1	5/8
SUC-140-x	14	6.85	2	16.6	18.5	5/8
SUC-145-x	--	7.14	2	17.2	19.1	5/8
SUC-155-x	--	7.59	2	18.1	20.1	5/8
SUC-160-x	16	7.83	2	18.3	20.5	5/8
SUC-165-x	--	8.18	2	19.1	21.3	5/8
SUC-175-x	--	8.60	2	20.4	22.4	5/8
SUC-185-x	--	9.15	2	21.1	23.3	5/8
SUC-200-x	20	9.84	2	22.3	24.5	5/8
SUC-210-x	--	10.30	2	23.5	25.5	5/8
SUC-220-x	--	10.80	2	24.3	26.5	5/8
SUC-230-x	--	11.30	2	25.5	27.5	5/8
SUC-240-x	24	11.80	2	26.3	28.5	5/8
SUC-280-x	28	13.80	2	30.5	32.7	5/8

### NOTE:

Models SUC-25, SUC-34, SUC-50, SUC-67, SUC-75, SUC-100, SUC-110, SUC-147, SUC-170, SUC-180, SUC-190 have been discontinued and may be sold till stocks last with factory / distributors

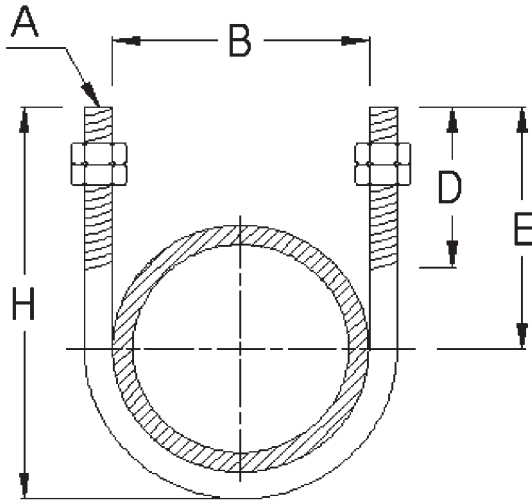
# U Bolt

## Features + Application Information

1. Support / guide / anchor of pipes
2. Simple, quick installation

3. Complies with Federal Specification A-A-1192A (Type 24)
4. Complies with ANSI/MSS SP-58-2009 (Type 24)

## Dimensional + Model Selection Data



## MATERIALS

Item	Description
U bolt + nuts	Low carbon steel

1. Choose appropriate model for required finish:  
P - Plain , G - Electro Galvanized

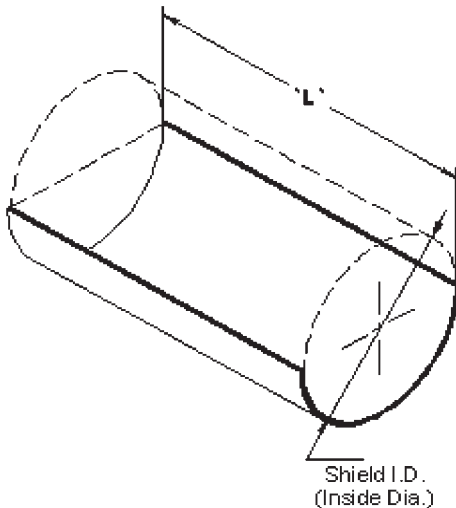
Model	Pipe Size (")	Part Dimensions (inches)					Max. Load (lbs)
		A	B	D	E	H	
UB-05-x	1/2	1/4	15/16	2 3/8	2 3/4	3 7/16	435
UB-07-x	3/4	1/4	1 1/8	2 3/8	2 3/4	3 9/16	435
UB-10-x	1	1/4	1 3/8	2 3/8	2 3/4	3 11/16	435
UB-12-x	1 1/4	3/8	1 11/16	2 3/8	2 7/8	4 1/8	1090
UB-15-x	1 1/2	3/8	2	2 1/2	3	4 3/8	1090
UB-20-x	2	3/8	2 7/16	2 5/8	3 1/4	4 7/8	1090
UB-25-x	2 1/2	1/2	2 15/16	3	3 3/4	5 3/4	2020
UB-30-x	3	1/2	3 9/16	3	4	6 1/4	2020
UB-35-x	3 1/2	1/2	4 1/16	3	4 1/4	6 13/16	2020
UB-40-x	4	1/2	4 9/16	3	4 1/2	7 1/4	2020
UB-50-x	5	1/2	5 5/8	3	5	8 5/16	2020
UB-60-x	6	5/8	6 3/4	3 3/4	6 1/8	10 1/16	3230
UB-80-x	8	5/8	8 3/4	3 3/4	7 1/8	12 1/8	3230
UB-100-x	10	3/4	10 7/8	4	8 3/8	14 9/16	4830
UB-120-x	12	7/8	12 7/8	4 1/4	9 5/8	16 15/16	6730
UB-140-x	14	7/8	14 1/8	4 1/4	10 1/4	18 13/16	6730
UB-160-x	16	7/8	16 1/8	4 3/4	11 1/4	22 3/16	6730
UB-180-x	18	1	18 1/8	4 3/4	12 5/8	22 11/16	8850
UB-200-x	20	1	20 1/8	4 3/4	13 5/8	24 11/16	8850
UB-240-x	24	1	24 1/8	4 3/4	15 5/8	28 11/16	8850
UB-300-x	30	1	30 1/8	4 3/4	18 5/8	34 11/16	8850
UB-320-x	32	1	32 1/8	4 3/4	20 5/8	36 11/16	8850

# Insulation Protection Shield

## Features + Application Information

1. Protection of insulation when used with pipe supports.
2. Complies with ANSI/MSS SP-58-2009 (Type 40) and Federal Specification A-A-1192A (Type 41) - Model IPS only

## Dimensional + Model Selection Data



## MATERIALS

Item	Description
Shield	Galvanised steel

## Note:

SIPS is designed for high density rigid insulations, which have higher compressive strengths. Hence, length of SIPS is shorter than IPS

Model	Shield Size (inches)	I.D. (inches)	LENGTH	
			IPS model (inches)	SIPS model (inches)
IPS / SIPS-15	1 1/2	1.90	12	3
IPS / SIPS-20	2	2.38	12	3
IPS / SIPS-25	2 1/2	2.88	12	4
IPS / SIPS-30	3	3.50	12	4
IPS / SIPS-35	3 1/2	4.00	12	4
IPS / SIPS-40	4	4.50	12	6
IPS / SIPS-45	4 1/2	5.00	12	6
IPS / SIPS-50	5	5.56	12	6
IPS / SIPS-60	6	6.64	12	6
IPS / SIPS-70	7	7.64	18	6
IPS / SIPS-80	8	8.64	18	6
IPS / SIPS-90	9	9.64	18	6
IPS / SIPS-100	10	10.76	18	6
IPS / SIPS-110	11	11.76	24	8
IPS / SIPS-120	12	12.76	24	8
IPS / SIPS-140	14	14.00	24	8
IPS / SIPS-150	15	15.00	24	8
IPS / SIPS-160	16	16.00	24	8
IPS / SIPS-170	17	17.00	24	10
IPS / SIPS-180	18	18.00	24	10
IPS / SIPS-200	20	20.00	24	10
IPS / SIPS-220	22	22.00	24	10
IPS / SIPS-240	24	24.00	24	10
IPS / SIPS-300	30	30.00	24	12
IPS / SIPS-360	36	36.00	24	12

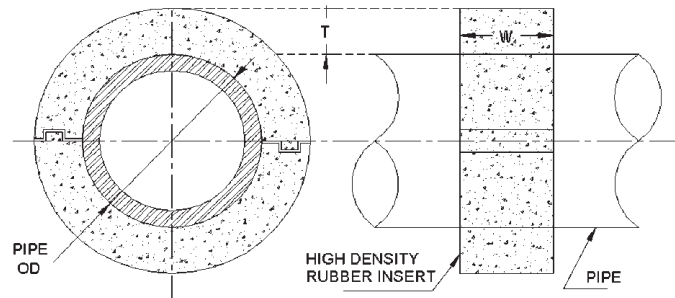


# High Density Rubber Insert

## Features + Application Information

1. Excellent chemical and water resistance
2. Simple field installation (exclusive tongue and groove design)
3. Substitute of insulation when used with pipe supports / hangers
4. Select based on pipe size and insulation thickness
5. Density: 1200 - 1400 kg/m³. Service Temp.: -60°F to 230°F (-51°C to 110°C). Thermal Conductivity: 0.16W/m°C
6. Low thermal conductivity
7. High load bearing capacity
8. Corrosion proof (no metal components)
9. Complies with load bearing capacity safety factors as per Federal Specification A-A-1192A and ANSI/MSS SP-58-2009

## Dimensional + Model Selection Data



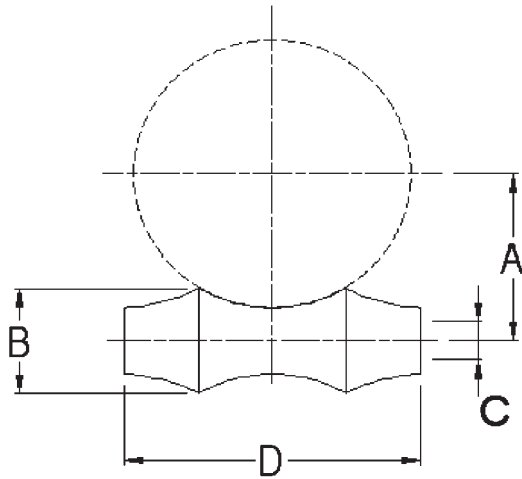
M.S. PIPE SIZE (inches)	W (inches)	'T' - INSULATION THICKNESS (inches)					
		3/4"	1"	1 1/2"	2"	2 1/2"	3"
1/2"	1"	HDRI-05-07	HDRI-05-10	HDRI-05-15	HDRI-05-20	HDRI-05-25	HDRI-05-30
3/4"		HDRI-07-07	HDRI-07-10	HDRI-07-15	HDRI-07-20	HDRI-07-25	HDRI-07-30
1"		HDRI-10-07	HDRI-10-10	HDRI-10-15	HDRI-10-20	HDRI-10-25	HDRI-10-30
1 1/4"		HDRI-12-07	HDRI-12-10	HDRI-12-15	HDRI-12-20	HDRI-12-25	HDRI-12-30
1 1/2"		HDRI-15-07	HDRI-15-10	HDRI-15-15	HDRI-15-20	HDRI-15-25	HDRI-15-30
2"		HDRI-20-07	HDRI-20-10	HDRI-20-15	HDRI-20-20	HDRI-20-25	HDRI-20-30
2 1/2"	1 1/2"	HDRI-25-07	HDRI-25-10	HDRI-25-15	HDRI-25-20	HDRI-25-25	HDRI-25-30
3"		HDRI-30-07	HDRI-30-10	HDRI-30-15	HDRI-30-20	HDRI-30-25	HDRI-30-30
4"		HDRI-40-07	HDRI-40-10	HDRI-40-15	HDRI-40-20	HDRI-40-25	HDRI-40-30
5"		HDRI-50-07	HDRI-50-10	HDRI-50-15	HDRI-50-20	HDRI-50-25	HDRI-50-30
6"		HDRI-60-07	HDRI-60-10	HDRI-60-15	HDRI-60-20	HDRI-60-25	HDRI-60-30
8"	2"		HDRI-80-10	HDRI-80-15	HDRI-80-20	HDRI-80-25	HDRI-80-30
10"			HDRI-100-10	HDRI-100-15	HDRI-100-20	HDRI-100-25	HDRI-100-30
12"			HDRI-120-10	HDRI-120-15	HDRI-120-20	HDRI-120-25	HDRI-120-30
14"			HDRI-140-10	HDRI-140-15	HDRI-140-20	HDRI-140-25	HDRI-140-30
16"					HDRI-160-20	HDRI-160-25	HDRI-160-30
18"					HDRI-180-20	HDRI-180-25	HDRI-180-30
20"					HDRI-200-20	HDRI-200-25	HDRI-200-30
22"					HDRI-220-20	HDRI-220-25	HDRI-220-30
24"					HDRI-240-20	HDRI-240-25	HDRI-240-30
26"					HDRI-260-20	HDRI-260-25	HDRI-260-30
28"					HDRI-280-20	HDRI-280-25	HDRI-280-30
30"					HDRI-300-20	HDRI-300-25	HDRI-300-30
32"					HDRI-320-20	HDRI-320-25	HDRI-320-30
34"					HDRI-340-20	HDRI-340-25	HDRI-340-30
36"					HDRI-360-20	HDRI-360-25	HDRI-360-30
42"					HDRI-420-20	HDRI-420-25	HDRI-420-30
48"					HDRI-480-20	HDRI-480-25	HDRI-480-30

## Features + Application Information

1. Support of insulated / non-insulated pipes where longitudinal movement, due to expansion and contraction, may occur.

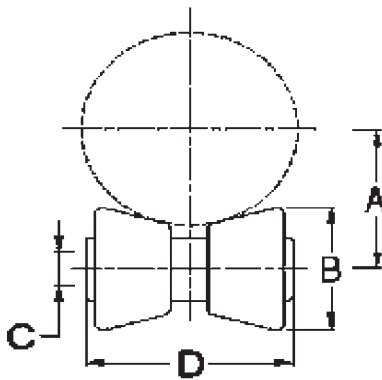
## Dimensional + Model Selection Data

### Long Roller, model LR



Model	Pipe Size (")	PART DIMENSIONS (inches)				Max Load (lbs)
		A	B	C (Axle dia.)	D	
LR-20-x	2	1 9/16	1 1/16	3/8	2 5/8	300
LR-25-x	2 1/2	1 7/8	1 1/4	1/2	3 1/8	660
LR-30-x	3	2 3/16	1 3/8	1/2	3 3/4	700
LR-35-x	3 1/2	2 1/2	1 1/2	1/2	4 1/4	750
LR-40-x	4	2 3/4	1 19/32	1/2	4 3/4	750
LR-50-x	5	3 3/8	1 7/8	5/8	5 13/16	750
LR-60-x	6	3 15/16	2 1/8	3/4	6 7/8	1070
LR-80-x	8	5 1/16	2 5/8	7/8	8 7/8	1350
LR-100-x	10	6 1/4	3 3/16	7/8	11	1730
LR-120-x	12	7 3/8	3 3/4	1	13	2400
LR-140-x	14	8 1/4	4 3/8	1 1/8	14 1/4	3130
LR-160-x	16	9 1/4	4 5/8	1 1/4	16 1/4	3970
LR-180-x	18	10 3/8	5 1/8	1 1/4	18 1/4	4200
LR-200-x	20	11 1/2	5 5/8	1 3/8	20 1/4	4550
LR-240-x	24	13 13/16	6 3/4	1 1/2	24 1/4	6160
LR-300-x	30	17 1/4	8 1/2	1 3/4	30 1/4	6160

### Short Roller, model SR



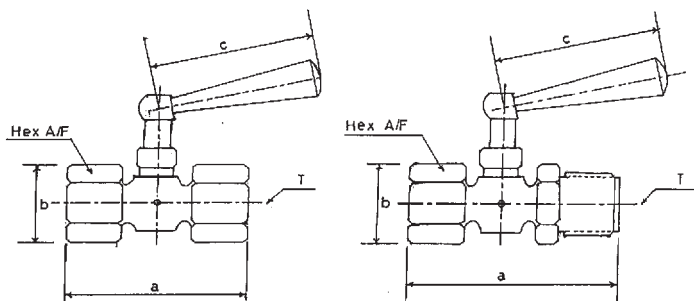
Model	Pipe Size (")	PART DIMENSIONS (inches)				Max Load (lbs)
		A	B	C (Axle dia.)	D	
SR-20.35-x	2	1 15/16	1 7/8	1/2	2 3/4	390
	2 1/2	2 3/16	1 7/8	1/2	2 3/4	390
	3	2 1/2	1 7/8	1/2	2 3/4	390
	3 1/2	2 3/4	1 7/8	1/2	2 3/4	390
SR-40.60-x	4	2 15/16	2 1/16	1/2	3 3/4	950
	5	3 1/2	2 1/16	1/2	3 3/4	950
	6	4	2 1/16	1/2	3 3/4	950
SR-80.100-x	8	5 3/8	3 1/4	3/4	6	2100
	10	6 7/16	3 1/4	3/4	6	2100
SR-120.140-x	12	7 9/16	4	7/8	8	3075
	14	8 3/16	4	7/8	8	3075
SR-160.200-x	16	9 3/8	4 1/2	1 1/8	9	4980
	18	10 7/16	4 1/2	1 1/8	9	4980
	20	11 7/16	4 1/2	1 1/8	9	4980
SR-220.240-x	22	14 5/16	4 7/16	1 1/4	10	6100
	24	13 5/16	4 7/16	1 1/4	10	6100
SR-260.300-x	26	14 5/8	5 1/2	1 3/4	12 1/2	7500
	28	15 5/8	5 1/2	1 3/4	12 1/2	7500
	30	16 5/8	5 1/2	1 3/4	12 1/2	7500
SR-360.420-x	36	20 1/4	6	2	14 7/8	12000
	38	21 1/4	6	2	14 7/8	12000
	40	22 1/4	6	2	14 7/8	12000
	42	23 1/4	6	2	14 7/8	12000
SR-440.600-x	48	26 27/32	7 13/32	2	17	12000
	54	29 27/32	7 13/32	2	17	12000
	60	32 27/32	7 13/32	2	17	12000

## MATERIALS

Item	Description
Roller	Cast Iron

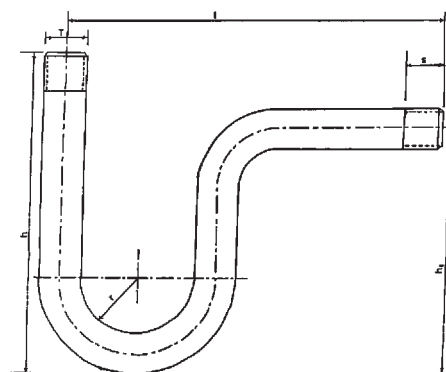
Choose appropriate model for required finish: *P-Plain. G-Electro Galvanized. H-Hot Dip Galvanized (non-threaded components only)*

# Gauge Cock & Syphon



FEMALE / FEMALE (F/F)

FEMALE / MALE (F/M)



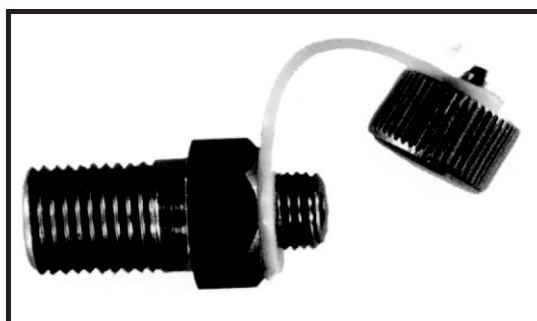
DESIGN	SIZE T	DIMENSIONS (inches)			
		a	b	c	HEX A/F
F / F	1/4"	1.73	0.70	1.46	0.63
F / M	1/4"	2.01	0.70	1.46	0.63
F / F	3/8"	2.16	0.87	1.46	0.75
F / M	3/8"	2.56	0.87	1.46	0.75
F / F	1/2"	2.36	1.06	2.13	0.92
F / M	1/2"	2.76	1.06	2.13	0.92

## MATERIALS

Item	Description
<b>Gauge Cock</b>	
Body	Brass
Handle	Plastic
<b>U Syphon</b>	
Body	MS Pipe

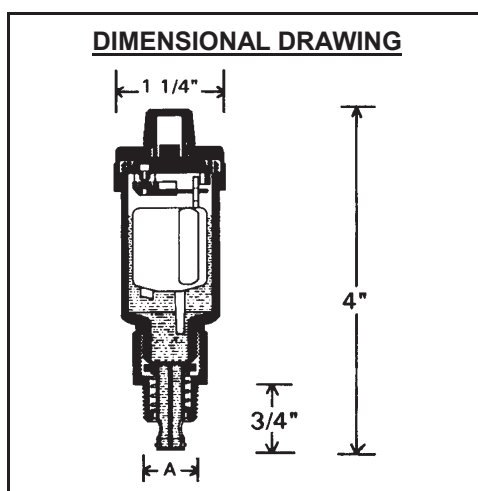
SIZE T	DIMENSIONS (mm)				
	h	h1	l	r	s
1/4"	155	130	160	26	14
3/8"	155	130	160	26	18
1/2"	170	130	200	29	20

# Test Plug



MODEL NUMBER	CONNECTION SIZE	
	TEST SIDE	PROCESS SIDE
VTPT - 02	3/8" UNF	1/4" *
VTPT - 512	3/8" UNF	1/2" *
PLEASE SPECIFY PROCESS CONNECTION THREADING STANDARD (NPT / BSP), AND APPLICATION		

- \* INSTANT ACCESS TO TEST TEMPERATURE AND / OR PRESSURE.
- \* INJECT OR TAKE SAMPLES OF GAS OR LIQUID FROM PIPE OR VESSEL WHILE UNDER PRESSURE.
- \* REDUCE NEED FOR COSTLY, PERMANENTLY INSTALLED GAUGES.
- \* CONDUCT TESTS AT SPECIFIC KEY LOCATIONS.
  
- \* BODY CONSTRUCTION : BRASS
- \* CORE CONSTRUCTION : NEOPRENE (FOR WATER AND AIR)  
EPDM (FOR STEAM AND HIGH TEMPERATURE FLUID)  
NITRILE RUBBER (FOR OIL)
  
- \* MAXIMUM OPERATING PRESSURE : 500 PSI (WATER)  
250 PSI (STEAM)
- \* TEMPERATURE RANGE : -30°F TO 250°F
- \* APPLICATION : WATER, AIR, OIL AND STEAM
- \* INSTALLATION : USE FACTORY SUPPLIED WELDABLE STEEL SOCKET (ACCESSORY) FOR INSTALLATION OF TEST PLUGS.



<b><u>MODEL #</u></b>	<b><u>THREAD CONNECTION (A)</u></b>
VAV - 538	3/8"
VAV - 512	1/2"
VAV - 7	3/4"
VAV - 10	1"

**\* APPLICATION:**

**VAV** AUTOMATIC AIRVENTS ARE DESIGNED FOR MAXIMUM OPERATING PRESSURE OF 10 BAR AND MAXIMUM TEMPERATURE OF 120°C. WHENEVER AIR POCKETS ARE LIKELY TO OCCUR IN OPEN OR CLOSED LIQUID FLOWING SYSTEM, INSTALLATION OF **VAV** AUTOMATIC AIRVENTS IS RECOMMENDED FOR CONTINUOUS VENTING OF AIR.

**\* OPERATION:**

WHEN AIR ACCUMULATES IN THE AIRVENTS, THEN THE FLOAT DESCENDS WITHIN THE BODY AND ALLOWS AIR TO ESCAPE. WHEN THE AIR HAS ESCAPED LIQUID WILL ENTER THE AIRVENT RAISING THE FLOAT WHICH SHUTS OFF AIR RELEASE VALVE. THE DESIGN OF THE AIR RELEASE VALVE, MOUNTED ON TOP OF THE AIRVENT, MAKES LEAKAGE OF THE LIQUID ABSOLUTELY IMPOSSIBLE.

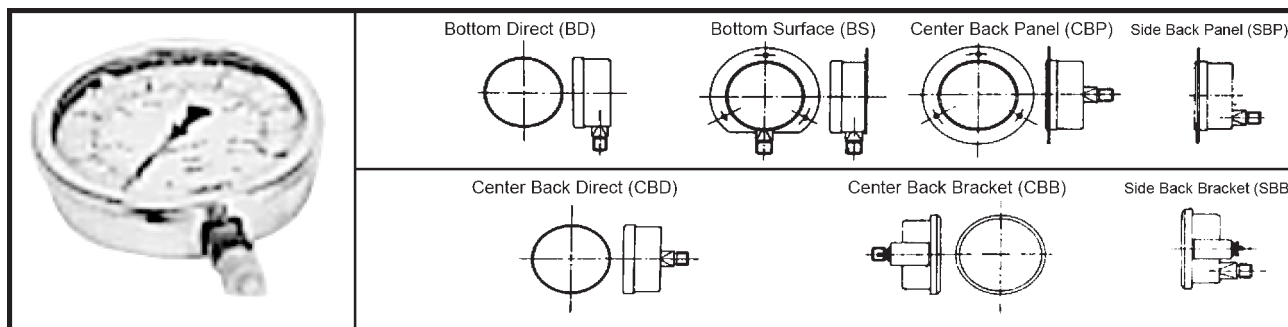
**\* CONSTRUCTION:**

THE BODY IS MADE OF BRASS WITH 3/8", 1/2", 3/4", 1" THREADED CONNECTIONS OF SHUT-OFF VALVE. OTHER PARTS ARE MADE OF PLASTIC AND CORROSION RESISTANT STEEL AS APPROPRIATE TO THEIR FUNCTION.

**\* INSTALLATION AND MAINTENANCE:**

INSTALL IN VERTICAL POSITION ONLY. BEFORE FILLING THE SYSTEM, OPEN THE CAP BY ONE OR TWO TURNS. TO CLEAN THE INTERIOR WITHOUT DRAINING THE INSTALLATION, FOLLOWING STEPS SHOULD BE FOLLOWED:

1. UNSCREW THE BODY FROM THE SHUT-OFF VALVE.
2. UNSCREW THE TOP METALLIC CAP & REMOVE O-RING.
3. REMOVE THE PLASTIC COVER WITH A POINTED OBJECT ALONG WITH MECHANISM AND FLOAT.
4. REMOVE FLOAT & SEAT ASSEMBLY FROM TOP PLASTIC COVER.
5. REMOVE & CLEAN FLOAT VALVE AND SEAT.
6. RE-INSTALL ALL THE ITEMS FOLLOWING REVERSE PROCESS EXPLAINED ABOVE.



## \* **SPECIFICATIONS:**

SIZE	: 55MM, 68MM, 80MM, 100MM, 150MM	
CASE	: DRAWN STEEL STOVED ENAMELED BLACK	
BEZEL	: DRAWN STEEL STOVED ENAMELED BLACK / CHROME PLATED	
SENSING ELEMENT	: BOURDON 'C' SHAPED TUBE FOR RANGES UP TO 100KG/CM <sup>2</sup>	
	COIL SHAPED TUBE FOR HIGHER RANGES.	
ELEMENT MATERIAL	: BRASS / COPPER ALLOY	
SOCKET	: SECTIONAL BRASS	
MOVEMENT	: BRASS	
DIAL	: TIN / ALUMINUM	
	(WITH BLACK AND RED MARKINGS ON WHITE BACKGROUND)	
POINTER	: STEEL / ALUMINUM	
	(BLACK FOR MEASUREMENT, RED FOR SETTING)	
WINDOW	: CLEAR, PLAIN GLASS	
JOINT	: HARD SOLDERED / BRAZED	
TEMP. RATING	: 120°C	
ACCURACY	: ±2% OF F.S.D.	
OVER RANGE PROTECT:	UP TO 160/KG/CM <sup>2</sup>	25% OF FULL SCALE
	ABOVE 160 KG/CM <sup>2</sup> AND UP TO 600 KG/CM <sup>2</sup>	15% OF FULL SCALE
	ABOVE 600 KG/CM <sup>2</sup>	10% OF FULL SCALE
PROCESS CONNECTION:	1/4", 3/8", 1/2" BSP(M) / NPT(M)	
RANGE	: 0-30 PSI, 0-60 PSI, 0-100 PSI, 0-150 PSI, 0-200 PSI, 0-300 PSI	
	IN SINGLE / DUAL / TRIPLE SCALE.	
	COMBINATIONS OF PSI, BAR, KG/CM <sup>2</sup> OR OTHERS	

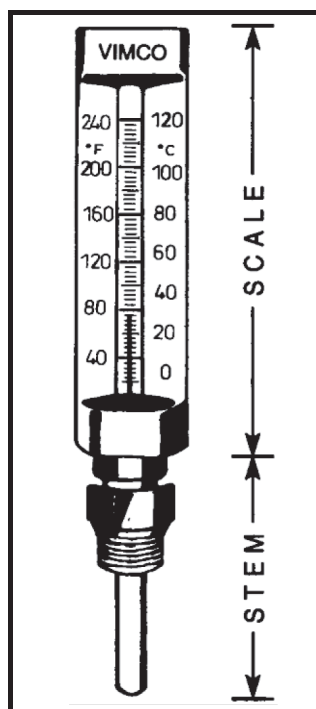
## \* **OPTIONAL FEATURES:**

SIZE	: 200MM, 250MM, 300MM
CASE	: DRAWN STEEL POWDER COATED, STAINLESS STEEL, BRASS, CHROME PLATED BRASS
THREAD CONNECTION	: 1/8" AND 1/4" NPT AND M12 X 1.5 THREADS IN 55M AND 68MM SIZES 1/4" AND 1/2" NPT AND M20 X 1.5 THREADS IN OTHER SIZES
ACCURACY	: ±1% OF F.S.D.
ACCESSORIES	: BUILT-IN DAMPENER, EXTERNAL ADJUSTABLE DAMPENER, GLYCERINE-FILLED, 'U' / PIGTAIL SYPHON, GAUGE COCK
SPECIAL SIZES, CONNECTIONS, RANGES, MATERIAL OF CONSTRUCTION AVAILABLE	
SUBJECT TO MOQ & EXTENDED LEAD TIMES.	

## \* **SPECIAL APPLICATION GAUGES:**

**OXYGEN GAUGE, ACETYLENE GAUGE, AMMONIA GAUGE AND FREON GAUGE ON REQUEST**





## \* SPECIFICATIONS:

TYPE	: STRAIGHT / ANGLE 130° AND 90°
SCALE SIZE ('V' shape)	: 5" (110MM), 6" (150MM), 8" (200MM) AND 9" (225MM)
STEM SIZE	: 1 1/2" (40MM), 2 1/2" (63MM), 4" (100MM), 6" (150MM)
STEM DIA.	: 0.4" (10MM)
PROCESS CONNECTION	: 3/8", 1/2" B.S.P. (MALE / FEMALE)
SCALE	: SINGLE (°C) / DUAL (°C & °F)
PRINTING	: SCREEN PRINTED (°C IN BLACK & °F IN RED COLOR)
GLASS TUBE	: PRISMATIC / ROUND GLASS TUBE FILLED WITH BLUE OR RED ALCOHOL
GRADUATION	: ENGRAVED IN BLACK
BODY MATERIAL	: DIE CAST ALUMINUM WITH BRASS FINISH / UN-BREAKABLE MOLDED 'ABS', WITH BRASS FINISH
STEM MATERIAL	: BRASS, S.S. 304/316
RANGE	: 0-50°C, 0-100°C, IN SINGLE/DUAL SCALE OTHER RANGES ON REQUEST

## \* SPECIAL FEATURES:

A SOLID GLASS TUBE THERMOMETER WITH DEEPLY ENGRAVED GRADUATIONS IS FITTED IN TO THE GROOVE OF CASING AND EMBEDDED IN BETWEEN ITS 2 INCLINING SIDE PIECES. ONE SIDE IS PROVIDED WITH BLACK SCREEN PRINTED °C RANGE FIGURES AND THE OTHER SIDE WITH °F RANGE FIGURES. THE THERMOMETER IS THOROUGHLY PROTECTED AGAINST EXTERNAL DAMAGES.

THE PRISMATIC CAPILLARY ENABLES A CLEAR READING EVEN FROM A DISTANCE.

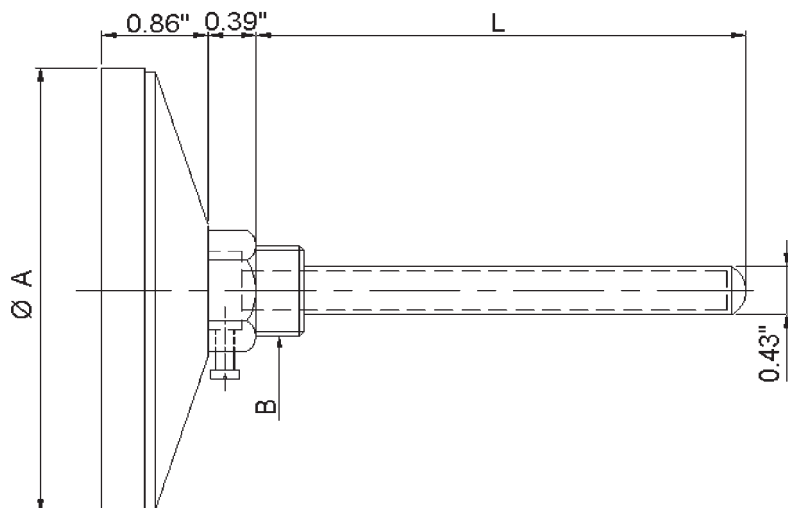
THE SOLID AND FINISHED CASING IS MADE FROM ALUMINUM OR 'ABS' PLASTIC AND BRASS FINISHED WITH ACID RESISTIVE PAINT. THE GLASS THERMOMETER IS RESTING ON A RUBBER WASHER AND IS THEREFORE FREE FROM VIBRATIONS.

THE CHECK-NUT BETWEEN CASING AND STEM ENABLES THE INSTRUMENT TO BE TURNED TO ANY DIRECTION.

## \* OPTIONAL FEATURES: (SUBJECT TO MOQ / EXTENDED LEAD TIMES)

MERCURY FILLED GLASS CAPILLARY FOR HIGHER TEMPERATURES (UP TO 300°C),  
SPECIAL SIZES (SCALE / STEM / CONNECTION), TEMPERATURE RANGES, MATERIAL OF CONSTRUCTION

# Bi-Metal Temperature Gauge



\* All dimensions are in inches unless otherwise indicated

## DIMENSIONS

Nominal Size (Ø A)	2 1/2", 3", 4"
Immersion Length (L)	2 1/2", 3", 4", 6"
Process Connection (B)	1/2" male (NPT / BSP)

## How to Order:

<b>VBMTG-(-40/120)-40-60</b>	
Gauge type	Immersion Length
Range in °F	25 - 2 1/2"
Nominal Size	30 - 3"
25 - 2 1/2"	40 - 4"
30 - 3"	60 - 6"

\* Specify mounting style + optional construction (if required) when ordering.

## SPECIFICATION

Mounting	<b>Center Back Connection Direct Mounting</b>		
	Bottom Connection Direct Mounting		
Pointer	Micrometer Zero Adjustment Pointer		
Accuracy	1% of F.S.D.		
Range	-20°F (-30°C)	to	120°F (50°C)
	-20°F (-30°C)	to	160°F (70°C)
	30°F (0°C)	to	130°F (55°C)
	30°F (0°C)	to	200°F (100°C)
	30°F (0°C)	to	240°F (120°C)
	30°F (0°C)	to	300°F (150°C)
	30°F (0°C)	to	400°F (200°C)
	30°F (0°C)	to	480°F (250°C)

## MATERIAL OF CONSTRUCTION

Sensing Element	Bi-Metal Helical Coil
Case	<b>Stainless Steel</b>
	Brass Chrome-Plated / Brass Stove Enameled Black Coated
Bezel	<b>Stainless Steel</b>
	Brass Chrome-Plated / Brass Stove Enameled Black Coated
Window	<b>Acrylic</b>
	Shatter Proof Glass
Stem	<b>Brass (Natural Finish)</b>
	Brass Chrome-Plated
Pocket	<b>Brass (Natural Finish)</b>
	Brass Chrome-Plated / Stainless Steel 304 / 316

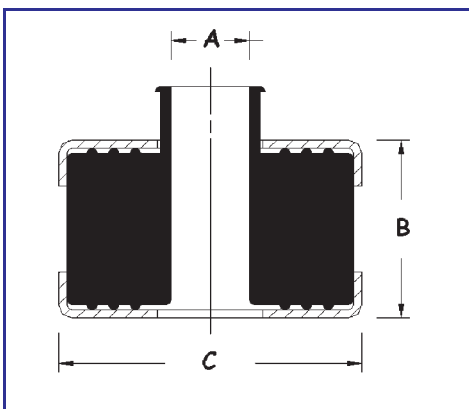
## NOTES:

1. Data in bold is standard construction. Contact factory for other options.

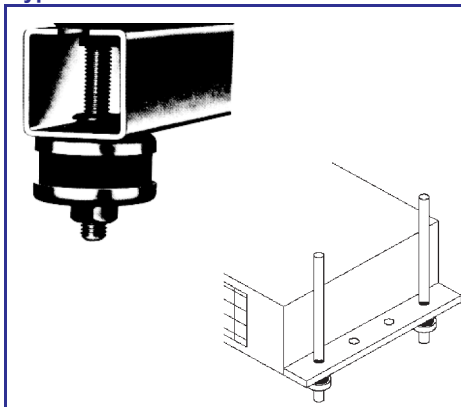
## Features + Application Information

1. Elements incorporate projected collar to prevent metal to metal contact between rod and channel.
2. Includes steel cups / plates for uniform loading
3. Ozone + water resistant elastomer
4. Provides up to 17dB(A) noise reduction
5. Designed for use with all thread rod.

## Dimensional + Model Selection Data



## Typical Installation



Model	Load Range	Defl. (inch)	Dimensions (in.)		
			A	B	C
AVHM-50	1 to 110	1/5	0.43	0.73	1.28
AVHM-100	111 to 220	1/5	0.43	1.02	1.67

Construction:	Elastomer (neoprene+rubber) element between 2 load distribution plates.
Special Feature:	Elastomer (neoprene+rubber) collar to prevent rod short circuiting.
Sound Level Reduction:	Up to 17 dB (A)
Recommended Use:	Can be used with threaded rods up to 3/8" (M10) for suspension of ducts, fans, fan coil units etc.
	AVHME-xxx (element only) can be used for small floor mounted machines like refrigerator, dishwasher etc.

## NOTES

1. Nuts, washer & rods by others.
2. Order by part no. **AVHM-xxx** = complete mount  
**AVHME-xxx** = element only  
**AVHMT-xxx** = top cup only  
**AVHMB-xxx** = bottom cup only

## MODEL VFDC VIBRO-SORB™ FLEXIBLE DUCT CONNECTOR

All HVAC ducts are connected to either a fan or blower that can generate vibration and noise. Flexible duct connectors are used to isolate that vibration and noise and prevent it's transmission into the metal duct. VIMCO's VIBRO-SORB™ range of flexible ducts is available in a wide variety of fabrics / connector widths and metal thicknesses to suit almost all applications. The entire range of connectors are designed to meet the latest 2012 NFPA 90A/90B requirements.



### 2012 NFPA 90A/90B COMPLIANT

VIMCO's entire range of VIBRO-SORB™ flexible connectors are 2012 NFPA 90A/90B compliant.

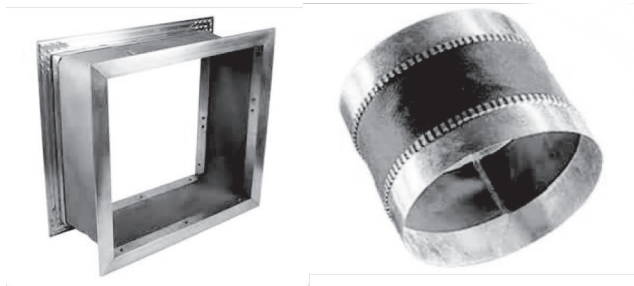
### 2012 NFPA 90A 4.3.2.2 summ.

*Vibration isolation connectors in duct systems shall be made of materials having a maximum flame spread index of 25 and a maximum smoke developed index of 50.*

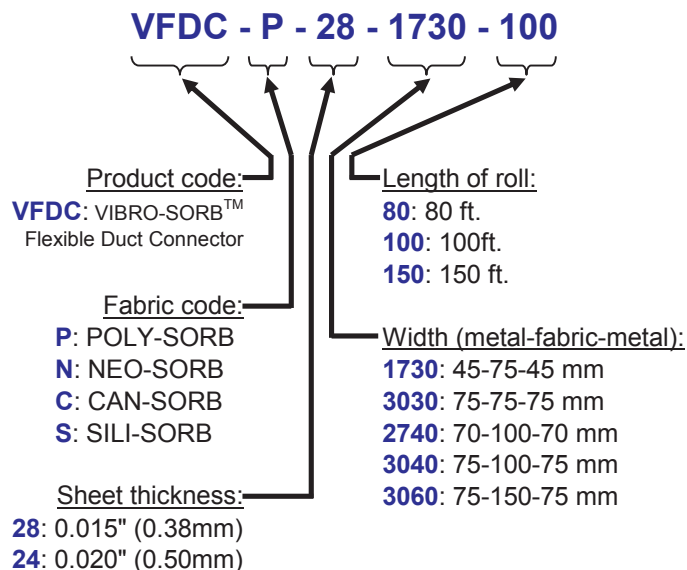
### 2012 NFPA 90B 4.1.1.1.3.1~2 summ.

*Vibration isolation connectors shall be made from an approved fabric meeting the flame propagation performance criteria contained in NFPA 701 and shall not exceed 10" inch length in the direction of airflow. The connector shall consist of sleeve joints with packing of approved material exhibiting a maximum flame spread index of 25 and a maximum smoke developed index of 450.*

### TYPICAL APPLICATIONS:



### HOW TO ORDER:



### HOW TO SPECIFY:

At the inlet and outlet of all motor-driven air handling equipment furnish and install vibration isolation connectors. Vibration isolation connectors shall be a coated woven fabric named \_\_\_\_\_. Fabric shall have a weight of not less than \_\_\_\_\_, tensile strength not less than \_\_\_\_\_, tear strength not less than \_\_\_\_\_, and a continuous temperature range of \_\_\_\_\_. Vibration isolation connectors shall be preassembled fabric attached to sheet metal on both sides. Vibration isolation connectors shall be model \_\_\_\_\_ as manufactured by Vibration Management Corporation (VIMCO).

## FABRIC SELECTION CHART

	CAN-SORB™	NEO-SORB™	SILI-SORB™	POLY-SORB™
<b>DESCRIPTION</b>	Canvas fabric, which is fire retardant, waterproof, and mildew resistant. It will not burn or support combustion and will only char when exposed to a flame. Air leakage is virtually eliminated by its close weave and the finish will not wash out.	Heavy glass fabric, coated on both sides with neoprene. The glass fabric is non-combustible, and the coating is fire retardant and has no glow time or char length. NEO-SORB™ is waterproof, airtight, and gasoline and grease resistant.	Heavy glass fabric, coated on both sides with silicon. Silver in color, flame proof, it has excellent resistance to many chemicals and weathering. Designed for high temperature applications.	PVC / Nylon fabric with a heavy vinyl coating on both sides and extremely tough connector material. Dark gray in color, the coating is flame retardant. POLY-SORB™ is airtight, weather resistant and chemical resistant.
<b>TECHNICAL DATA</b>	<b>WEIGHT</b> 14.75 oz/sq.yd. (500 g/sq.mtr)	<b>WEIGHT</b> 23.6 oz/sq.yd. (800 g/sq.mtr)	<b>WEIGHT</b> 20.65 oz/sq.yd. (700 g/sq.mtr)	<b>WEIGHT</b> 18-18.5 oz/sq.yd. (600-630 g/sq.mtr)
	<b>TENSILE STRENGTH</b> 584x269 lbs (2600x1200 N)	<b>TENSILE STRENGTH</b> 562x415 lbs (2500x1850 N)	<b>TENSILE STRENGTH</b> 550x415 lbs (2450x1850 N)	<b>TENSILE STRENGTH</b> 674x469 lbs (3000x2090 N)
	<b>FLAME RESISTANCE</b> Self extinguishing per US Code of Federal regulations 14CFR23.853.	<b>FLAME RESISTANCE</b> Self extinguishing per US Code of Federal regulations 14CFR23.853.	<b>FLAME RESISTANCE</b> Flame resistant and self extinguishing per US Code of Federal regulations 14CFR23.853.	<b>FLAME RESISTANCE</b> Self extinguishing per US Code of Federal regulations 14CFR23.853.
	<b>TEMPERATURE</b> 248° F (120° C)	<b>TEMPERATURE</b> 302° F (150° C)	<b>TEMPERATURE</b> 500° F (260° C)	<b>TEMPERATURE</b> 248° F (120° C)
	<b>TEAR STRENGTH</b> 11.2x12.3 lbs (50x55 N)	<b>TEAR STRENGTH</b> 30.3x20.6 lbs (135x92 N)	<b>TEAR STRENGTH</b> 62.9x33.7 lbs (280x150 N)	<b>TEAR STRENGTH</b> 64.7x55.3 lbs (288x246 N)
	<b>WEATHERPROOF QUALITIES</b> Water resistant. Treated for fire, water, weather and mildew resistance.	<b>WEATHERPROOF QUALITIES</b> Water and humidity resistant. Resistant to acids, alkali, gasoline and grease.	<b>WEATHERPROOF QUALITIES</b> Water and humidity resistant. Resistant to acids and alkalis.	<b>WEATHERPROOF QUALITIES</b> Water and humidity resistant. Resistant to weathering, oil and many other chemicals.
<b>SPECIFICATIONS</b>	Designed to meet NFPA 90A & 90B specifications. Meets NFPA 701 requirements. Galvanized steel meets ASTM-A-653-94-G60 and ASTM-A-653-94-Z180.			
<b>SUGGESTED USES</b>	CAN-SORB™ can be used in most air conditioning, ventilating and heating systems. Recommended for low pressure systems and indoor connections. Often used generic term is "CANVAS DUCT CONNECTOR".	NEO-SORB™ can be used in practically every type of installation, and most engineers specify it regardless of the type of system. Because it is resistant to acids, alkalis, gasoline and grease, it can be used in kitchen exhaust and fume hoods. Being absolutely waterproof and airtight, it is ideal for high pressure systems and in outdoor connections. Having exceptional strength and yet highly flexible, it can be used for industrial applications. Often used generic term is "NEOPRENE DUCT CONNECTOR".	SILI-SORB™ can be used in practically every type of installation, especially in high temperature systems and where an airtight connector is required. SILI-SORB™ is the logical substitute for asbestos products or where high temperatures are of concern. Often used generic term is "SILICON DUCT CONNECTOR".	POLY-SORB™ can be used in practically every type of installation within its temperature range. Low in cost - easy to fabricate and extremely high abrasion and cut resistant fabric. Often used generic terms are "POLY VINYL CHLORIDE (PVC) DUCT CONNECTOR" or "VINYL DUCT CONNECTOR".

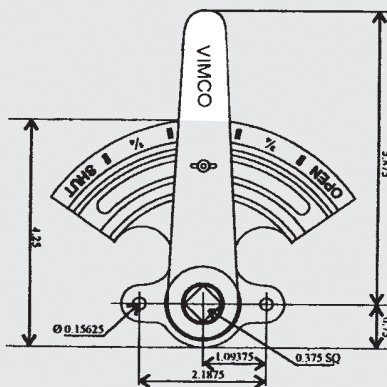


# HVAC DUCTING ACCESSORIES

## Damper quadrant / regulator sets

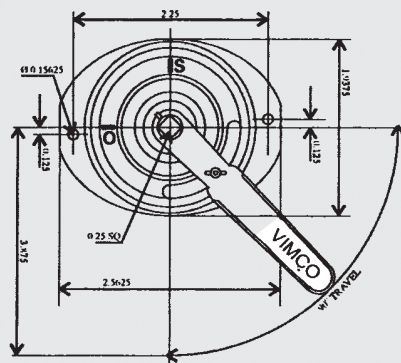
Code	Set consists of ....
<b>VDR-2</b>	VR-2 regulator + VB-2 square bearing + VSB-2 spring bearing
<b>VDR-538</b>	VR-538 regulator + VB-538 square bearing + VSB-538 spring bearing
<b>VDQ-538</b>	VQ-538 quadrant + VB-538 square bearing + VSB-538 spring bearing
<b>VDQ-512</b>	VQ-512 quadrant + VB-512 square bearing + VRB-512 round bearing

### Quadrants



**VQ-538**

### Regulators



**VR-2**

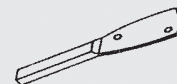
### Bearings



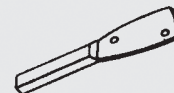
**VSB-2**



**VSB-538**  
Spring bearings



**VB-2**



**VB-538**



**VB-512**

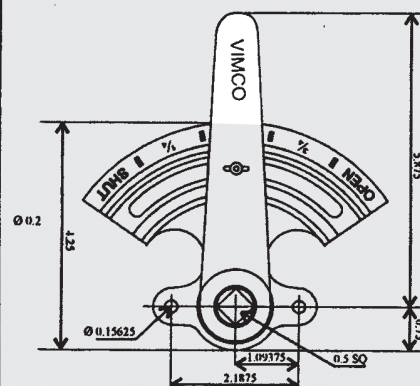
Square bearings



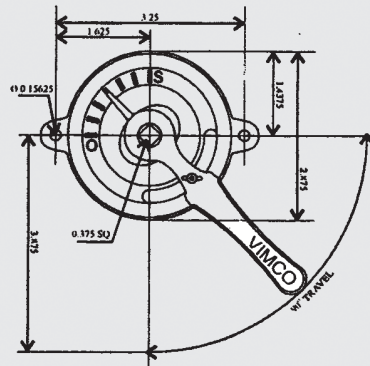
**VRB-512**

Round bearing

- VB-2** : 1/4" square bearing
- VB-538** : 3/8" square bearing
- VB-512** : 1/2" square bearing
- VRB-512** : 1/2" round bearing
- VSB-2** : 1/4" spring bearing
- VSB-538** : 3/8" spring bearing



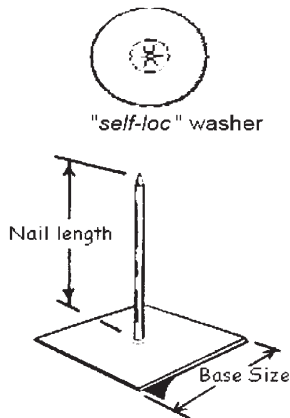
**VQ-512**



**VR-538**

All dimensions are in inches unless otherwise mentioned.

## Self-adhesive hanger pins with "self-loc" washers



### Construction :

#### Nail :

Model	Material
SCT	copper coated steel, threaded
SCP	copper coated steel, plain
SST	steel, threaded
SSP	steel, plain
ACT	copper coated aluminum, threaded
ACP	copper coated aluminum, plain
AAT	aluminum, threaded
AAP	aluminum, plain

Base + washer : galvanised steel

### Sizes :

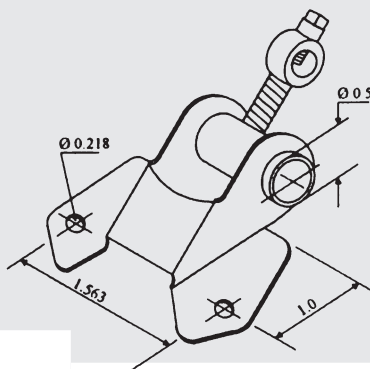
Nail : 3/4" , 1" , 1 1/4" , 1 1/2"  
1 3/4" , 2" , 2 1/2"

Base : 2" x 2" , 1 3/8" x 1 3/8"

### Nomenclature :

1 3/8" x 1 3/8" base  
**SCT** **1515** **07**  
 S : steel  
 C : copper coated  
 T : threaded  
 3/4" nail

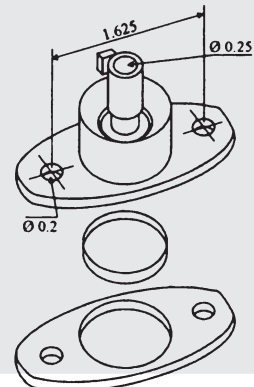
### Splitter damper bracket



**VDB-2**

Material : Galvanised Steel

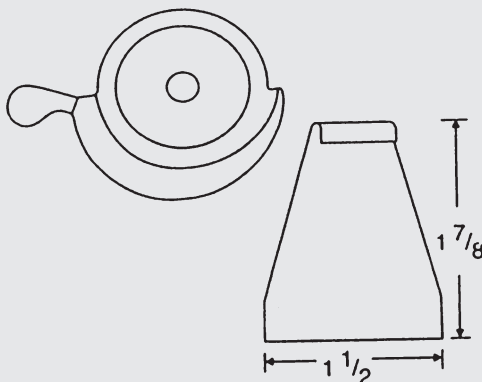
### Ball joint



**VBJ-2**

Material : Diecast Aluminum Alloy

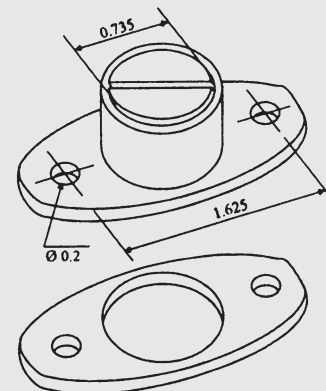
### Access Door Lock



**VADL-1A**

Material : Galvanised Steel

### Air Test Port



**VTP-512**

Material : Diecast Aluminum Alloy

All dimensions are in inches unless otherwise mentioned.

## Schedule-40 Steel Pipe Data:

Nominal Pipe Size (inches)	O.D.	Wall thk.	Weight (lbs / foot)		Nominal Pipe Size (inches)	O.D.	Wall thk.	Weight (lbs / foot)	
	(inches)		Pipe	Water		(inches)		Pipe	Water
1/4	0.540	0.088	0.430	0.046	4	4.500	0.237	10.800	5.511
3/8	0.675	0.091	0.570	0.083	5	5.563	0.258	14.620	8.661
1/2	0.840	0.109	0.860	0.132	6	6.625	0.280	18.980	12.507
3/4	1.050	0.113	1.140	0.231	8	8.625	0.322	28.560	21.657
1	1.315	0.133	1.680	0.375	10	10.750	0.365	40.490	34.137
1 1/4	1.660	0.140	2.280	0.648	12	12.750	0.406	53.530	48.456
1 1/2	1.900	0.145	2.720	0.882	14	14.000	0.438	63.450	58.562
2	2.375	0.154	3.660	1.453	16	16.000	0.500	82.770	76.500
2 1/2	2.875	0.203	5.800	2.073	18	18.000	0.562	104.670	96.832
3	3.500	0.216	7.580	3.201	20	20.000	0.594	123.120	120.324
3 1/2	4.000	0.226	9.110	4.281	24	24.000	0.688	171.300	174.028

## Recommended Maximum Horizontal Spacing Between Pipe Supports for Standard Weight Steel Pipe:

Pipe Size (")	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8	10	12	14	16	18	20	24
Max. Span (Feet)	7	7	7	7	9	10	11	12	13	14	16	17	19	22	23	25	27	28	30	32
Recommended Hanger Rod Size	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	5/8	5/8	3/4	7/8	7/8	7/8	1	1	1 1/8	1 1/4	1 1/2
																		or Trapeze		

### Note:

- 1 The above spacing and capacities are based on Standard, Schedule40, MS pipe filled with water. Additional valves and fittings increase the load and therefore closer hanger spacing may be required.
- 2 Some codes and specifications state "pipe hangers must be spaced every 10ft. regardless of size". Check local Codes

# Insulated Pipe Sizing Charts

## For A-A-1192A and ANSI/MSS-SP58-2009 Compliant Supports

Nominal MS Pipe Size (inches)	Insulation Thickness (inches)								
	0	3/8	1/2	3/4	1	1 1/2	2	2 1/2	3
1/2	05	12	15	20	25	35	50	60	80
3/4	07	15	20	25	30	40	50	60	80
1	10	20	20	25	30	40	50	60	80
1 1/4	12	20	25	30	35	50	60	80	80
1 1/2	15	25	25	30	35	50	60	80	80
2	20	30	30	35	40	50	60	80	80
2 1/2	25	35	35	40	50	60	80	80	100
3	30	40	40	50	50	60	80	80	100
3 1/2	35	50	50	50	60	80	80	100	100
4	40	50	50	60	60	80	80	100	100
5	50	60	60	70	80	80	100	100	120
6	60	-	80	80	80	100	100	120	120
8	80	-	100	100	100	120	120	140	140
10	100	-	120	120	120	140	140	160	160
12	120	-	140	140	140	160	160	180	180
14	140	-	160	160	160	180	180	200	200
16	160	-	180	180	180	200	200	240	240
18	180	-	200	200	200	240	240	240	240
20	200	-	240	240	240	240	240	300	300
24	240	-	300	300	300	300	300	300	300

Consult Factory for Other Pipe types / Sizes

Subject to terms and conditions herein, Vibration Management Corporation ("VIMCO") warrants to the original owner at the original installation site that products manufactured by VIMCO ("Products") comply, at the time of manufacture, with VIMCO literature, and will be free from defects in materials and workmanship for a period of 12 months after the date of start-up or 18 months after the date of shipment from factory, whichever shall be less (the "Warranty Period")

## **REMEDY**

- A. The sole remedy for breach of this warranty is expressly limited to either the repair / ex-factory replacement, or refund of VIMCO ex-factory sale price (at VIMCO's sole option), of any Product found to have manufacturing defects under conditions of normal use within the Warranty Period. Installation is not included.
- B. The owner must notify the original installer of the Product and VIMCO (Attn: Warranty Claims, 5930 Thomas Road, Houston, TX 77041), in writing, within the Warranty Period, providing a detailed description of all claimed defects. Transportation to factory or other designated facility for repairs of any Products or components of Products alleged defective shall, in all events, be the responsibility and at the cost of the owner.

## **EXCLUSIONS**

VIMCO shall have no liability for:

- A. Incidental, special or consequential damages such as loss of the use of products, facilities or production, inconvenience, loss of time or labor expense involved in repairing or replacing the alleged defective Product.
- B. The performance of any Product under conditions varying materially from those under which such Product is usually tested under industry standards as of the time of shipment.
- C. Any damage to the Product due to abrasion, erosion, corrosion, deterioration, abnormal temperatures or the influence of foreign matter or energy.
- D. The design or operation of owner's plant or equipment or of any facility or system of which any Product may be made a part.
- E. The suitability of any Product for any particular application.
- F. Any failure resulting from misuse, modification not authorized by VIMCO in writing, improper installation or lack of proper maintenance.
- G. Equipment furnished by owner, either mounted or unmounted, or when contracted for by the owner to be installed or handled.

VIMCO's liability under this warranty shall not in any case exceed the VIMCO ex-factory sale price for the Product found to be defective.

## **THIRD-PARTY WARRANTIES**

For goods or components not manufactured by VIMCO, above mentioned warranty obligations of VIMCO shall be limited by the warranty actually extended to VIMCO by its vendors.

## **SEVERABILITY**

To the extent that any provision of this warranty would be void or prohibited under applicable law, such provisions shall be limited in effect to the minimum extent necessary to render the remaining provisions hereof enforceable.

## **NO OTHER WARRANTIES**

VIMCO makes no implied warranty of merchantability or fitness for particular purpose, or other warranties with respect to any products or services except as expressly set forth in this limited warranty.

