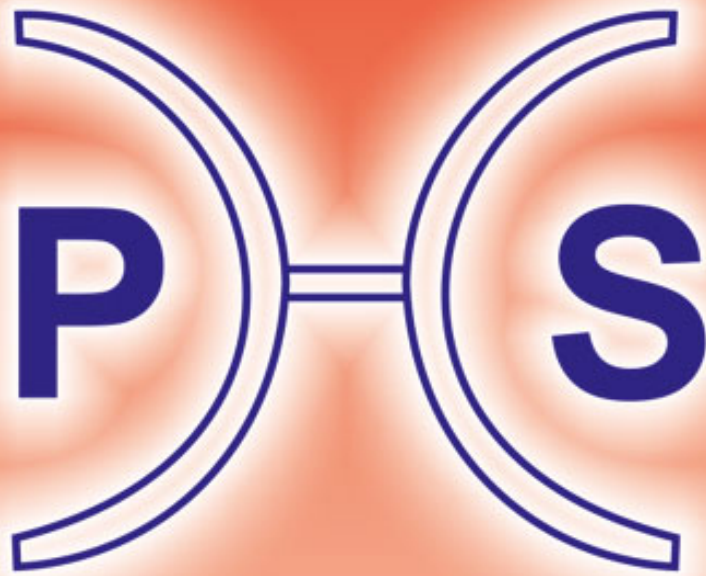


# Pipe Hangers & Supports



Over 25 years of serving Power generation, Petroleum, Nuclear, Process, Oil & gas, Offshore, Water & HVAC industries worldwide.



### History

We were Incorporated in the year 1984 under the name and style of Myricks Piping Systems (P) Ltd to manufacture state of the art Pipe Hanger & supports equipment in India with technology from Support Technology & Products UK.

In the year 2000, we signed a joint venture agreement with Pipe Supports Group UK to manufacture the "Pipe Supports" range of hangers & supports and upgraded to the latest technology. The company was renamed Pipe Supports India (P) Ltd.

The joint venture came to an end in Jan 2010 having completed its stipulated 10 year term and the technology was fully absorbed.

### Present

The renamed company, 'Pipe Hangers & Supports (P) Ltd - PHSPL' was incorporated in January 2010 with its unique brand identity. We are enhancing the technology and introducing new products in the near future.

We use state of the art technology, modern manufacturing methods, latest software, computer systems, CNC machines etc. to deliver a competitive, cost effective high quality product. We are highly focused on timely delivery and on time response to client requirements. We provide after sales support including responding to site emergencies during erection and commissioning.

# C O N T E N T S

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# CONTRACT MANAGEMENT, CRM AND HANGER DESIGN

At Pipe Hangers & Supports we take pride in providing world class service to our customers with innovative product solutions for a variety of applications in various industries around the globe.

We are ISO 9001:2008 certified and harness modern technology & machines to deliver a cost effective high quality product. We are a client driven organization and take great pride in the professional quality of our work.

We have two manufacturing locations, one at Chennai & our newest unit at Tanjore, with a total covered area of well over 75,000 sq feet and 3.5 acres of land.

We use web based applications for contracts & resource management. This was developed in house to suit our specific needs to integrate people, materials & manufacturing data flow. Across different locations.



**Pipe Hangers & Supports**  
ISO 9001:2008 Certified

**Resource Management System**

Welcome Rajagopal | Home | Change password | Logout

Engineering Contracts Inventory Springs PPC Invoicing Collection Admin Others

**Add Enquiry**

Customer's Reference Number:

PHSPL Offer Number:  Enquiry Received Date: 24/05/2010

Enquiry Date: 24/05/2010 Offer Due Date:

Received Through: Email Extension Requested Date:

Project Name:  Revised Extension Date:

Offer Preparation Assigned To: Hari kiran Chenna Offer Target Date:

Sealed Bid:  Yes  No Extended Due Date:

**Status**

Offer Status: In Progress

Budgeting Offer:

**Sales Agent**

Agent Name:

Agent Commission:

**Customer**

Customer Name: Select Customer Name Website:

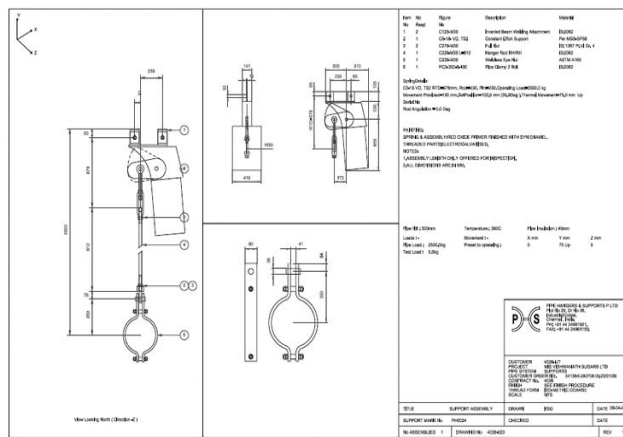
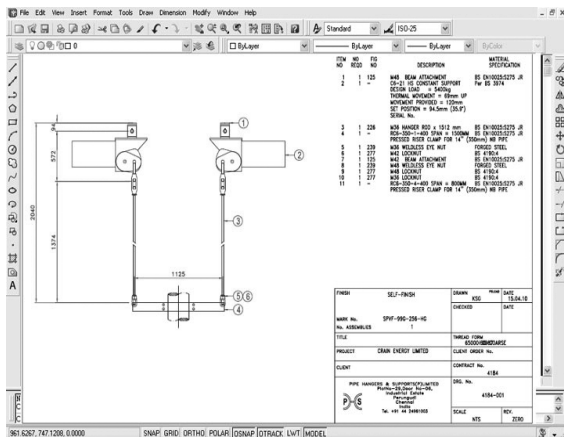
Customer Address:  Location:

Country:  Pincode:

Consultant Name:

Select Contact Person

We use state of the art software for Hanger design and engineering. This was developed in house. The software is distributed to users free of cost and we provide training to users. This software is intelligent, will not allow mistakes and drawings made using the software can be exported to various 2D & 3D platforms.

















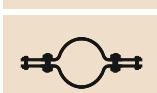




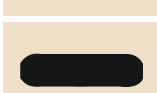
























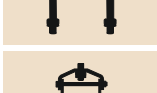




PHS CAD

PHS DRAW



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		UA3 BEAM WELDING ATTACHMENT FOR USE WITH DUAL FACED ROCKER WASHER			RA15 WELDLESS EYE NUT	<b>94</b>		PA22 & PA23 HOLD DOWN CLAMPS
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## PIPE CLAMPS AND ANCILLARIES — LOAD GROUP BASIS

Hanger / Support accessories like clamps, hanger rods, turn buckles, clevis etc. which form part of the spring hanger or rod hanger are designed on the Load Group Basis with standardized load bearing capacities.

Metric Hanger rods from M8 to M80 are categorized into 13 load groups as given below :

Load Group	Rod Size	Load Capacity	
		Kgf	KN
0	M8	230	2.3
1	M10	360	3.5
2	M12	530	5.3
3	M16	1010	9.9
4	M20	1580	15.5
5	M24	2280	22.4
6	M30	3650	35.8
7	M36	5340	52.4
8	M42	7400	72.6
9	M48	9650	94.6
10	M56	13350	130.9
11	M64	18000	176.5
12	M72	23025	225.8
13	M80	28125	275.8

As a typical example for an operating load of 3300 Kgs the selection will be load group 6. All the components that form the complete assembly like Welded Beam attachment, eye nuts, hanger rod, turnbuckle etc. (Items not covered by pipe lagging or thermal insulation and hence not exposed to pipe temperature) will have the same max load bearing capacity of Load Group 6 for M30 which is 3650 Kgs. The dimensions and design of individual components forming the assembly will fit properly without the need for an interference check or compatibility check as they belong to same load group.

The pipe clamps like 3 Bolt, riser clamps & pipe shoes have a part numbering system which contains the load group, design temperature and description.

Typical Example :

Part Number : PA3-500-5-530

PA3 - Three bolt pipe clamp

500 - 500 NB Pipe Size

5 - Load Group 5

530 - 530°C Design Temperature.

The pipe clamp is made from standard materials and components, hence the load capacity at design temperature will be slightly higher than standard load capacity for the given load group.

With reference to the part number given above the max load capacity of the clamp is 2960 Kg, whereas the max load for Load Group 5 is 2280 Kgs. Note that load capacities for this product number are provided at temperatures above and below the rated design temperature. Load capacities at intermediate temperatures can be obtained by interpolation. As a rule the clamp is not to be used at a temperature above the maximum temperature for the quoted load capacity. For example for the clamp number shown above at 560 °C do not exceed 2140 kgs operating load.

To get the most cost effective and efficient selection of pipe clamps, riser or pipe base several possible selections for a given load and temperature can be made. If the design temperature is inbetween standard design temperatures shown in the catalogue it is possible to make a cost effective economic choice by selecting a lower load group or lower temperature.

Lets us consider an example below to illustrate the selection process:

Pipe Size : 250 NB  
Load : 1690 Kg  
Temperature : 540 °C

The table below gives possible selections along with MOC & Weights :

Size	Catalogue Values		Load @ 540 °C by Interpolation	MOC	Weight
	Load @ 530 °C	Load @ 560 °C			
250-5-490	2100	1380	1860	P11	13.8 Kg
250-4-530	1830	1360	1673	P11	13.5 Kg
250-5-530	2480	1720	2226	P11	17.1 Kg
250-4-560	1830	1830	1830	P22	16.8 Kg
250-5-560	2720	2720	2720	P22	22.8 Kg

From the above table it is clear that 250-4-530 will not satisfy the working load criteria.

Hence amongst the balance clearly 250-5-490 is the economic choice as it is the lightest and MOC is P11 which is economic with respect to P22.

Therefore when selecting components to make up an assembly it is quite possible that the clamp load group may or may not be the same as the load group of the hanger rods or turnbuckles. This is also true when using clamps with variable effort supports as they have rod sizes designed to withstand maximum load on the spring box.

With this in mind the range of clamps have been designed carefully to be compatible with a range of rod sizes. On the clamp data table the compatible rod sizes are clearly mentioned, this is to be used with the standard catalogue pattern weldless eye nuts and clevis in the case of flat plate type riser clamps.

The clamps and all accessories like rods, eyenuts, welded beam attachments etc. are designed to withstand short time over loads of upto 2 times the rated load capacity, which typically occurs during hydrostatic tests of the pipeline.

Clamp part nos shown in bold letters in the table means they are stocked items.

For combined loading situations where load capacities are given in vertical, lateral and axial directions, the following formula should be applied:

$$\frac{P(v)}{LC(v)} + \frac{P(lat)}{LC(lat)} + \frac{P(ax)}{LC(ax)} = 1$$

Where P represents the actual applied load in the specified direction and LC is the quoted load capacity in the specified direction.

## PIPE CLAMPS AND ANCILLARIES — LOAD GROUP BASIS

### STANDARDS

The pipe clamps and riser clamps are designed to comply with ASME B31.1 / MSS-SP58. Metric hanger rods load capacity are derived from BS-3974. Most other items are BS3974 std items with stress levels also complying with ASME B31.1 / MSS-SP58. Where components are not standard items of BS3974, they are designed in accordance with ASME B31.1 / MSS-SP58.

### MATERIALS

Pipe Hangers & Supports Private Limited supply to a number of sites worldwide. Materials are selected from the following equivalent or similar specifications suiting availability:

Carbon Steel Items manufactured from Plate or sections, Pipe Clamps to 400°C  
Euro BS EN10025: S275JR  
ASTM ASTM A36  
IS IS:2062  
JIS JIS G3101 SS400

Carbon Steel Hanger Rods  
Euro BS EN10025: S275JR/S355JR  
ASTM ASTM A36  
IS IS: 2062  
JIS JIS G3101 SS400

Carbon Steel for Forgings  
Euro BS 970 Grade 080A27  
ASTM ASTM A105  
IS IS:1875 Gr.2  
JIS JIS G3202 SFVC2A

Alloy Steel Plate for clamps with design temperature 401°C to 530°C  
Euro BS EN10028-2 Grade 13CrMo4-5  
ASTM ASTM A387 Grade 12 Class 2/Grade 11 Class 2

Alloy Steel Plate for clamps with design temperature 531°C to 600°C  
Euro BS EN10028-2 Grade 10CrMo9-10  
ASTM ASTM A387 Grade 22 Class 2

Carbon Steel bolts and nuts  
Euro BS 4190/DIN 601 Gr. 4.6 and BS 4190/DIN 555 Gr. 4  
IS IS: 1367 (Part III) Gr. 4.6 and IS: 1367 (Part VI) Gr. 4  
ASTM ASTM A307 Gr.B

Bolts and nuts for pipe clamps above 400°C  
Euro BS 4882 Grade B16/Grade 4  
ASTM ASTM A193 Grade B16/A194 Grade 4  
JIS JISG4107 SNB16

Where required by client or to suit special operating conditions, pipe clamps, rods, accessories etc. are designed with other materials, for example Alloy steel hanger rods for Boiler Integral Pipe work, clamps with MOC of P91, Austenitic stainless steel, Nickel alloys like Incolloy or low temperature carbon steel grades.

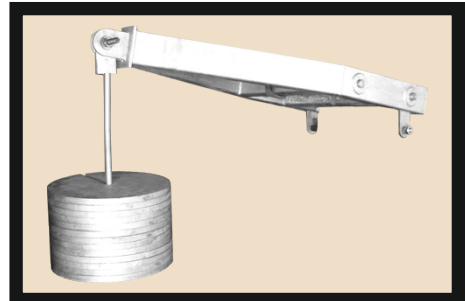
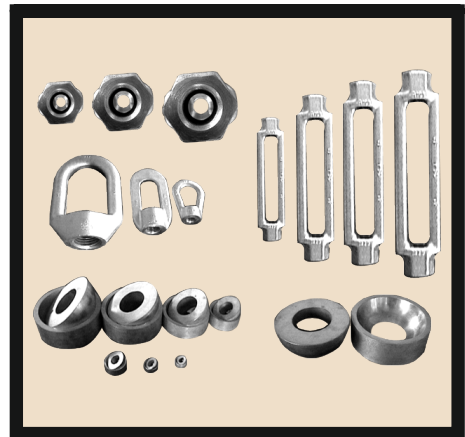
### FINISH

The std finish for pipe clamps and accessories is a coat of zinc rich metal primer, other finishes are available on request to suit site / project requirements.

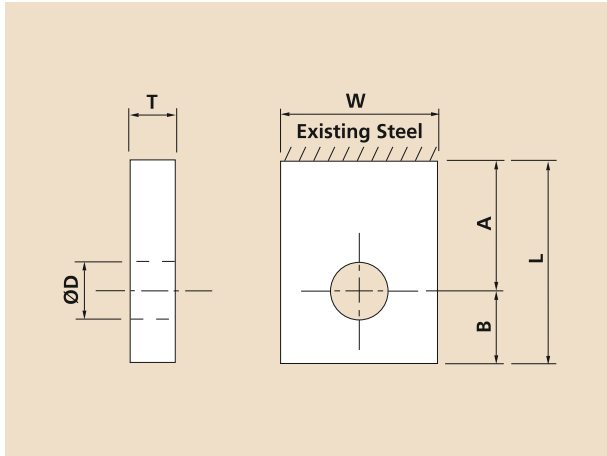
Zinc Plated  
Hot dip Galvanized  
Zinc Silicate primer  
Silicone based Heat Resistant Aluminum paints  
Epoxy & Polyurethane coatings  
Customer specific requirements

### THREAD FORM

All components are threaded to ISO Metric Coarse pitch unless otherwise stated. Other thread forms can be provided at extra cost / additional delivery times.



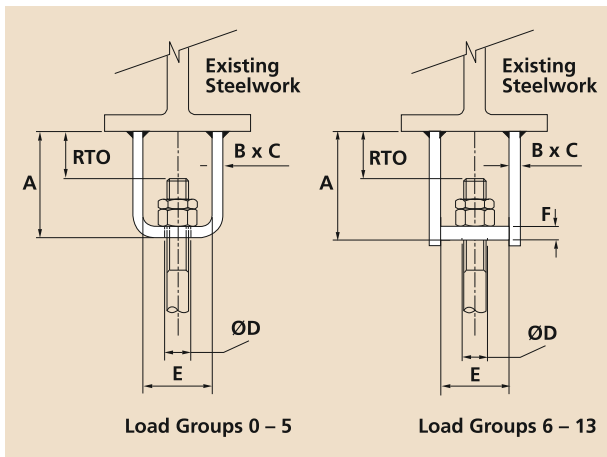
## UA1 LUG ATTACHMENT



Material: Carbon Steel

PART NUMBER	PIN DIA	D DIA	A	B	WxLxT	WEIGHT	LOAD CAPACITY		LOAD GROUP
							kgf	kN	
UA1M08	8	10	30	20	50x50x6	0.11	230	2.3	0
UA1M10	10	12	30	20	50x50x6	0.11	360	3.5	1
UA1M12	12	14	30	20	50x50x8	0.15	530	5.2	2
UA1M16	16	18	42	30	60x72x10	0.32	1010	9.9	3
UA1M20	20	22	50	35	60x85x10	0.37	1580	15.5	4
UA1M24	24	26	60	45	80x105x12	0.74	2280	22.4	5
UA1M30	30	33	70	55	100x125x16	1.6	3650	35.8	6
UA1M36	36	39	80	65	100x145x20	2.1	5340	52.4	7
UA1M42	42	45	90	75	110x165x25	3.3	7400	72.6	8
UA1M48	48	52	105	85	130x190x25	4.4	9650	94.6	9
UA1M56	56	60	120	100	150x220x30	7.1	13350	130.9	10
UA1M64	64	68	140	115	180x255x35	11.6	18000	176.5	11
UA1M72	72	76	155	130	200x285x40	16.5	23025	225.8	12
UA1M80	80	85	175	150	240x325x40	22.7	28125	275.8	13

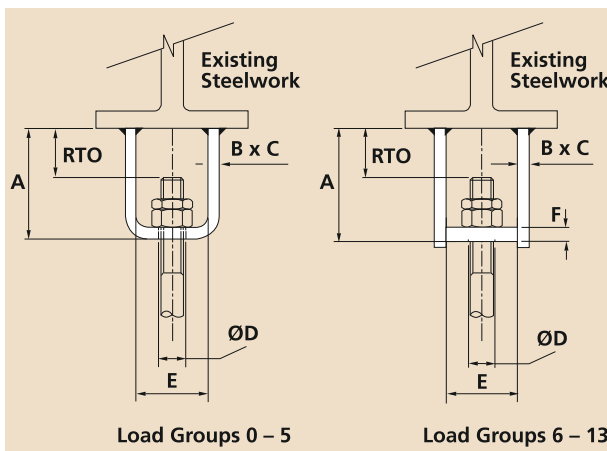
## UA2 BEAM WELDING ATTACHMENT



Material: Carbon Steel

PART NUMBER	ROD SIZE	A	B	C	D	E	F	R.T.O.	WEIGHT	LOAD CAPACITY		LOAD GROUP
										kgf	kN	
UA2M08	8	75	50	6	10	40	—	31	0.45	230	2.3	0
UA2M10	10	75	50	6	12	40	—	36	0.44	360	3.5	1
UA2M12	12	75	50	6	14	40	—	33	0.44	530	5.2	2
UA2M16	16	85	75	10	18	60	—	39	1.3	1010	9.9	3
UA2M20	20	85	75	12	22	70	—	25	1.7	1580	15.5	4
UA2M24	24	115	100	12	27	75	—	51	2.8	2280	22.4	5
UA2M30	30	125	125	16	33	100	16	54	5.3	3650	35.8	6
UA2M36	36	165	150	20	39	125	20	72	11.0	5340	52.4	7
UA2M42	42	195	150	20	46	135	20	95	12.6	7400	72.6	8
UA2M48	48	210	150	20	52	150	25	79	14.5	9650	94.6	9
UA2M56	56	240	200	20	60	180	25	78	22.4	13350	130.9	10
UA2M64	64	250	200	20	68	215	30	80	25.9	18000	176.5	11
UA2M72	72	275	200	25	76	230	40	90	36.2	23025	225.8	12
UA2M80	80	300	220	25	85	250	40	100	43.1	28125	275.8	13

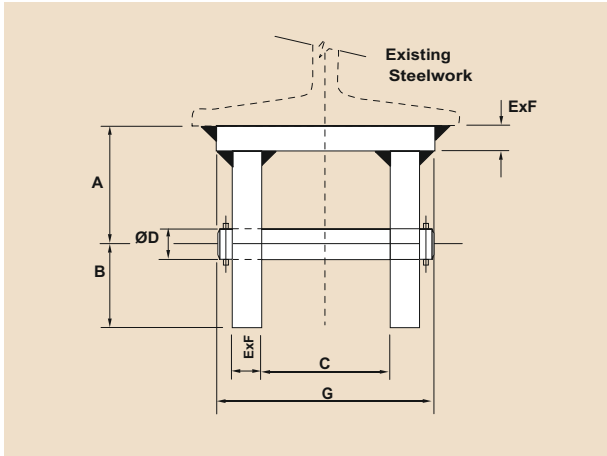
## UA3 BEAM WELDING ATTACHMENT FOR USE WITH DUAL FACED ROCKING WASHER



Material: Carbon Steel

PART NUMBER	ROD SIZE	A	B	C	D	E	F	R.T.O.	WEIGHT	LOAD CAPACITY		LOAD GROUP
										kgf	kN	
UA3M12	12	103	50	6	38	70	10	25	0.83	530	5.2	2
UA3M16	16	107	75	10	38	70	10	25	1.6	1010	9.9	3
UA3M20	20	176	75	12	49	85	12	50	3.2	1580	15.5	4
UA3M24	24	183	100	12	49	85	16	50	4.4	2280	22.4	5
UA3M30	30	207	125	16	66	120	16	50	8.0	3650	35.8	6
UA3M36	36	219	150	20	66	120	20	50	13.1	5340	52.4	7
UA3M42	42	242	150	20	74	140	25	50	15.3	7400	72.6	8
UA3M48	48	259	150	20	82	160	25	50	17.4	9650	94.6	9
UA3M56	56	283	200	20	93	180	25	50	25.3	13350	130.9	10
UA3M64	64	309	200	25	104	210	30	50	35.8	18000	176.5	11

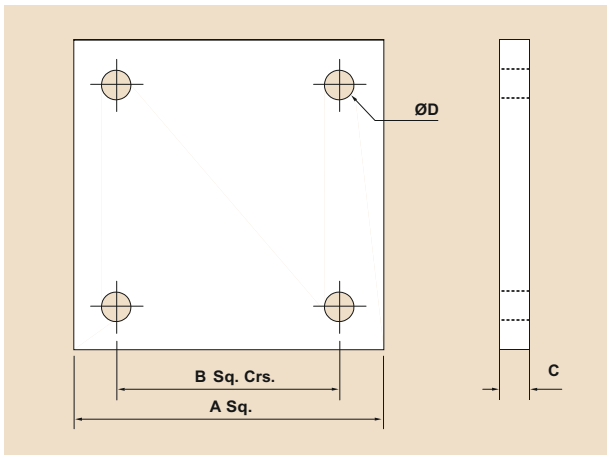
## UA4 INVERTED BEAM WELDING ATTACHMENT



PART NUMBER	PIN SIZE	A	B	C	ØD	ExF	G	WEIGHT kgf	LOAD CAPACITY		LOAD GROUP
									kgf	kN	
UA4M08	8	36	20	30	10	50x6	54	0.38	230	2.3	0
UA4M10	10	36	20	30	12	50x6	54	0.39	360	3.5	1
UA4M12	12	36	20	30	14	50x6	54	0.40	530	5.2	2
UA4M16	16	42	30	30	18	50x6	54	0.51	1010	9.9	3
UA4M20	20	60	35	35	22	60x10	71	1.1	1580	15.5	4
UA4M24	24	70	45	40	26	80x10	76	2.0	2280	22.4	5
UA4M30	30	82	55	40	32	100x12	80	3.5	3650	35.8	6
UA4M36	36	95	65	55	39	110x16	101	5.8	5340	52.4	7
UA4M42	42	105	75	65	45	130x16	115	7.9	7400	72.6	8
UA4M48	48	125	85	70	51	150x20	130	13.6	9650	94.6	9
UA4M56	56	140	100	80	60	180x20	140	18.7	13350	130.9	10
UA4M64	64	160	115	90	68	200x20	154	24.2	18000	176.5	11
UA4M72	72	180	130	100	76	220x25	174	35.5	23025	225.8	12
UA4M80	80	200	150	100	84	240x25	180	43.0	28125	275.8	13

Material: Carbon Steel

## UA5 CEILING PLATE



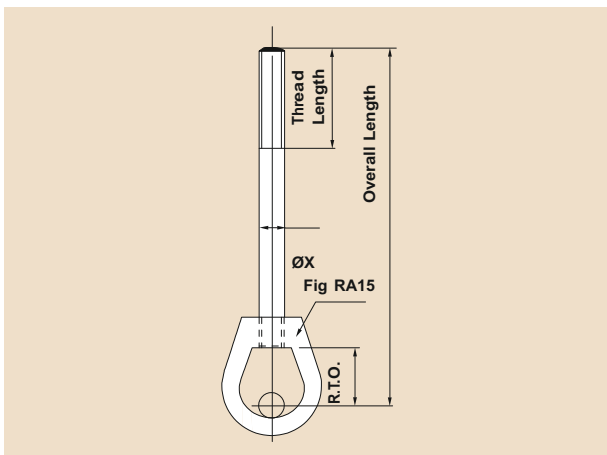
PART NUMBER	ROD SIZE	A	B	C	DIA. D	RECOMMENDED FIXING BOLT	WEIGHT kgf	LOAD CAPACITY		LOAD GROUP
								kgf	kN	
UA5M08	8	130	100	8	9	F287-M8/95	1.1	230	2.3	0
UA5M10	10	130	100	8	9	F287-M8/95	1.1	360	3.5	1
UA5M12	12	150	120	8	9	F287-M8/95	1.4	530	5.2	2
UA5M16	16	170	140	12	9	F287-M8/95	2.7	1010	9.9	3
UA5M20	20	190	150	16	12	F287-M10/110	4.3	1580	15.5	4
UA5M24	24	220	180	20	14	F287-M12/145	7.6	2280	22.4	5
UA5M30	30	270	220	20	18	F287-M16/165	11.5	3650	35.8	6
UA5M36	36	320	260	25	22	F287-M20/200	20.1	5340	52.4	7
UA5M42	42	370	300	30	26	F288-M16/50	32.3	7400	72.6	8
UA5M48	48	450	360	35	31	F288-M20/60	55.7	9650	94.6	9
UA5M56	56	580	480	40	35	F288-M24/60	105.7	13350	130.9	10
UA5M64	64	580	480	45	35	F289-M20x220/60	118.9	18000	176.5	11

FOR USE IN CONJUNCTION WITH PART NUMBER UA1, UA2, UA3 OR UA4

WHEN ORDERED WITH ONE OF THESE PARTS,  
THIS IS SUPPLIED AS A WELDED ASSEMBLY

Material: Carbon Steel

## RA1 EYE ROD



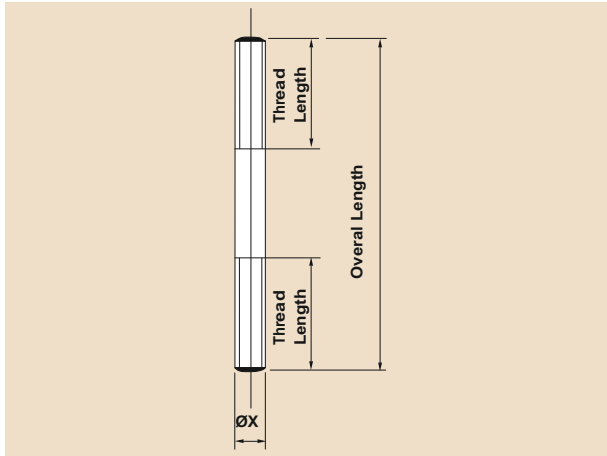
PART NUMBER	DIA X	R.T.O.	LOAD CAPACITY		LOAD GROUP
			kgf	kN	
RA1M08	8	34	230	2.3	0
RA1M10	10	33	360	3.5	1
RA1M12	12	45	530	5.2	2
RA1M16	16	43	1010	9.9	3
RA1M20	20	69	1580	15.5	4
RA1M24	24	67	2280	22.4	5
RA1M30	30	80	3650	35.8	6
RA1M36	36	77	5340	52.4	7
RA1M42	42	138	7400	72.6	8
RA1M48	48	135	9650	94.6	9
RA1M56	56	131	13350	130.9	10
RA1M64	64	127	18000	176.5	11
RA1M72	72	186	23025	225.8	12
RA1M80	80	182	28125	275.8	13

Material: Forged Steel and Carbon Steel

ORDER BY:  
PART NUMBER AND OVERALL LENGTH AS SHOWN  
FOR THREAD LENGTH, SEE TYPE RA2 HANGER ROD

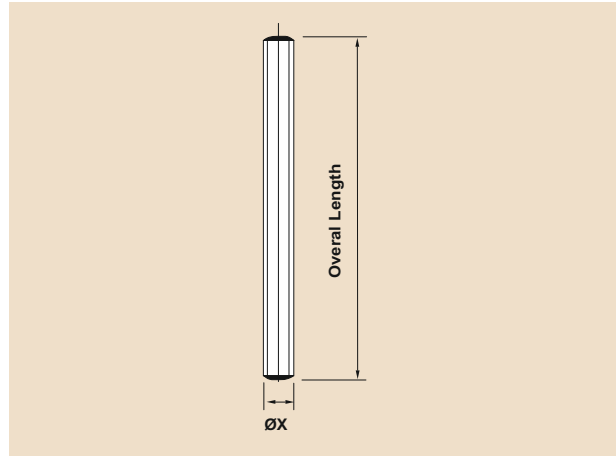


## RA2 Hanger Rod



Material: Carbon Steel

## RA3 ALL THREAD ROD

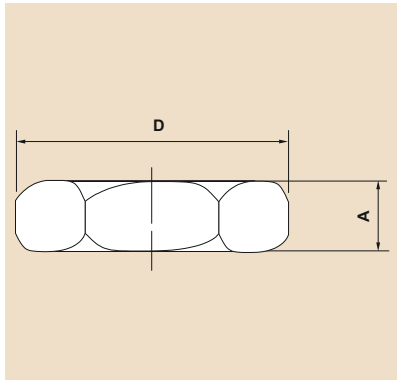


Material: Carbon Steel

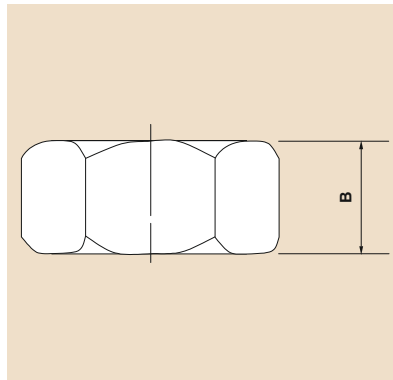
HANGER ROD PART NUMBER	ALL THREAD ROD PART NUMBER	DIA X	LOAD CAPACITY		LOAD GROUP	STANDARD THREAD LENGTHS FOR TYPE RA2 HANGER RODS WHEN USED WITH COMPONENTS SHOWN						
			kgf	kN		VARIABLE EFFORT SUPPORT	TURN BUCKLE & NUT	ROD COUPLING & NUT	CLEVIS & NUT	WELDLESS EYE & NUT	WELDLESS EYE (ONLY)	TWO NUTS
RA2M08	RA3M08	8	230	2.3	0	—	100	23	40	24	16	64
RA2M10	RA3M10	10	360	3.5	1	—	100	24	41	25	16	66
RA2M12	RA3M12	12	530	5.2	2	182	106	29	43	28	17	70
RA2M16	RA3M16	16	1010	9.9	3	191	115	39	46	31	17	76
RA2M20	RA3M20	20	1580	15.5	4	199	123	47	49	45	28	132
RA2M24	RA3M24	24	2280	22.4	5	210	134	55	52	48	28	138
RA2M30	RA3M30	30	3650	35.8	6	228	152	70	57	72	47	148
RA2M36	RA3M36	36	5340	52.4	7	243	167	85	71	77	47	158
RA2M42	RA3M42	42	7400	72.6	8	248	172	95	79	92	57	168
RA2M48	RA3M48	48	9650	94.6	9	267	191	104	96	96	57	226
RA2M56	RA3M56	56	13350	130.9	10	293	217	126	116	103	57	240
RA2M64	RA3M64	64	18000	176.5	11	299	223	147	122	109	57	252
RA2M72	RA3M72	72	23025	225.8	12	320	244	164	149	148	89	266
RA2M80	RA3M80	80	28125	275.8	13	336	260	180	165	154	89	278

ORDER BY: PART NUMBER AND OVERALL LENGTH

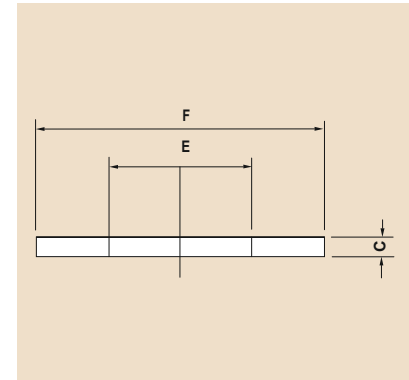
## RA4 LOCKNUT



## RA5 FULL NUT



## RA6 FLAT WASHER



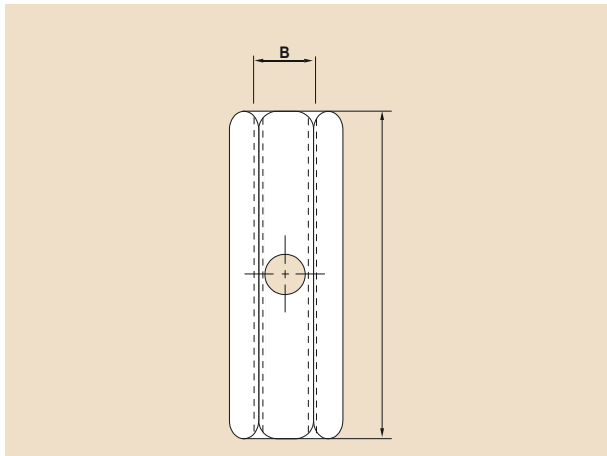
Material: Carbon Steel

Material: Carbon Steel

Material: Carbon Steel

LOCKNUT PART NUMBER	FULL NUT PART NUMBER	FLAT WASHER PART NUMBER	THREAD SIZE	A	B	C	D	E	F	LOAD GROUP	WEIGHTS kgf		
											LOCKNUT	FULL NUT	WASHER
RA4M08	RA5M08	RA6M08	M8	5	6.5	1.6	16	9	17	0	0.004	0.005	0.002
RA4M10	RA5M10	RA6M10	M10	6	8.0	2.0	20	11	21	1	0.009	0.011	0.004
RA4M12	RA5M12	RA6M12	M12	7	10.0	2.5	22	14	24	2	0.011	0.016	0.006
RA4M16	RA5M16	RA6M16	M16	8	13.0	3.0	28	18	30	3	0.019	0.031	0.011
RA4M20	RA5M20	RA6M20	M20	9	16.0	3.0	35	22	37	4	0.034	0.061	0.016
RA4M24	RA5M24	RA6M24	M24	10	19.0	4.0	42	26	44	5	0.054	0.104	0.031
RA4M30	RA5M30	RA6M30	M30	12	24.0	4.0	53	33	56	6	0.105	0.211	0.051
RA4M36	RA5M36	RA6M36	M36	14	29.0	5.0	64	39	66	7	0.181	0.374	0.088
RA4M42	RA5M42	RA6M42	M42	16	34.0	7.0	75	45	78	8	0.285	0.606	0.150
RA4M48	RA5M48	RA6M48	M48	18	38.0	8.0	87	52	92	9	0.440	0.928	0.284
RA4M56	RA5M56	RA6M56	M56	22	45.0	9.0	99	62	105	10	0.675	1.380	0.399
RA4M64	RA5M64	RA6M64	M64	24	51.0	9.0	110	70	115	11	0.876	1.861	0.463
RA4M72	RA5M72	RA6M72	M72	28	58.0	10.0	120	78	125	12	1.023	2.197	0.569
RA4M80	RA5M80	RA6M80	M80	32	64.0	12.0	131	86	140	13	1.324	2.825	0.781

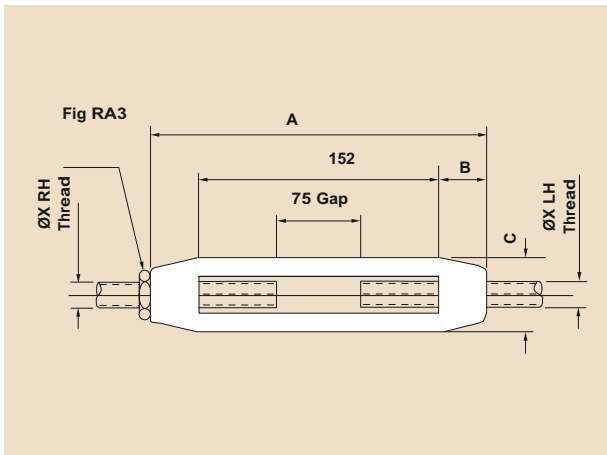
## RA7 ROD COUPLING



PART NUMBER	ROD SIZE B	LENGTH A	SIGHT HOLE Ø	WEIGHT kgf	LOAD CAPACITY		LOAD GROUP
					kgf	kN	
RA7M08	8	30	6	0.04	230	2.3	0
RA7M10	10	30	6	0.04	360	3.5	1
RA7M12	12	36	6	0.06	530	5.2	2
RA7M16	16	50	8	0.1	1010	9.9	3
RA7M20	20	60	10	0.2	1580	15.5	4
RA7M24	24	70	12	0.4	2280	22.4	5
RA7M30	30	90	12	0.8	3650	35.8	6
RA7M36	36	110	12	1.4	5340	52.4	7
RA7M42	42	120	14	2.1	7400	72.6	8
RA7M48	48	130	14	3.2	9650	94.6	9
RA7M56	56	160	14	4.9	13350	130.9	10
RA7M64	64	190	14	6.9	18000	176.5	11
RA7M72	72	210	14	9.7	23025	225.8	12
RA7M80	80	230	14	13.1	28125	275.8	13

Material: Carbon Steel

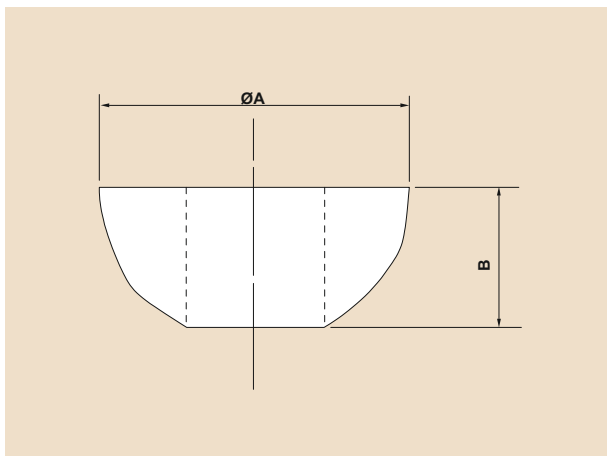
## RA8 TURNBUCKLE THREADED RIGHT HAND/LEFT HAND RA8A TURNBUCKLE THREADED RIGHT HAND BOTH ENDS



PART NUMBER RH/LH	PART NUMBER RH/RH	ROD DIA X	A	B	C	Wt. kgf	LOAD CAPACITY		LOAD GROUP
							kgf	kN	
RA8M08	RA8AM08	8	182	15	28	0.50	230	2.3	0
RA8M10	RA8AM10	10	182	15	28	0.50	360	3.5	1
RA8M12	RA8AM12	12	192	20	32	0.64	530	5.2	2
RA8M16	RA8AM16	16	204	26	42	0.92	1010	9.9	3
RA8M20	RA8AM20	20	214	31	50	1.4	1580	15.5	4
RA8M24	RA8AM24	24	230	39	60	2.4	2280	22.4	5
RA8M30	RA8AM30	30	256	52	68	4.0	3650	35.8	6
RA8M36	RA8AM36	36	276	62	84	6.0	5340	52.4	7
RA8M42	RA8AM42	42	276	62	84	6.0	7400	72.6	8
RA8M48	RA8AM48	48	305	77	108	11.9	9650	94.6	9
RA8M56	RA8AM56	56	343	96	145	17.6	13350	130.8	10
RA8M64	RA8AM64	64	343	96	145	23.6	18000	176.5	11
RA8M72	RA8AM72	72	372	110	156	27.3	23025	225.8	12
RA8M80	RA8AM80	80	392	120	172	38.7	28125	275.8	13

Material: Forged Steel or Carbon Steel  
This item may be forged or profiled

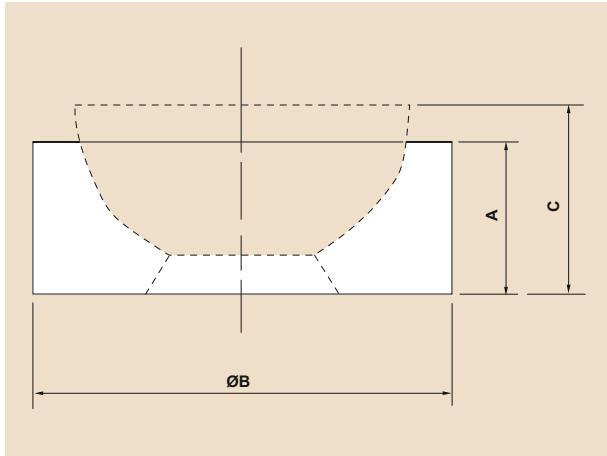
## RA9 SPHERICAL WASHER



PART NUMBER	ROD SIZE	A	B	WEIGHT kgf	LOAD CAPACITY		LOAD GROUP
					kgf	kN	
RA9M08	8	20	8	0.01	230	2.3	0
RA9M10	10	24	10	0.02	360	3.5	1
RA9M12	12	30	13	0.04	530	5.2	2
RA9M16	16	38	16	0.09	1010	9.9	3
RA9M20	20	48	21	0.18	1580	15.5	4
RA9M24	24	56	24	0.28	2280	22.4	5
RA9M30	30	70	30	0.54	3650	35.8	6
RA9M36	36	84	36	0.93	5340	52.4	7
RA9M42	42	96	42	1.4	7400	72.6	8
RA9M48	48	114	49	2.4	9650	94.6	9
RA9M56	56	134	57	3.8	13350	130.9	10
RA9M64	64	150	66	5.3	18000	176.5	11
RA9M72	72	170	74	7.7	23025	225.8	12
RA9M80	80	188	82	10.6	28125	275.8	13

Material: Cast Iron or Carbon Steel

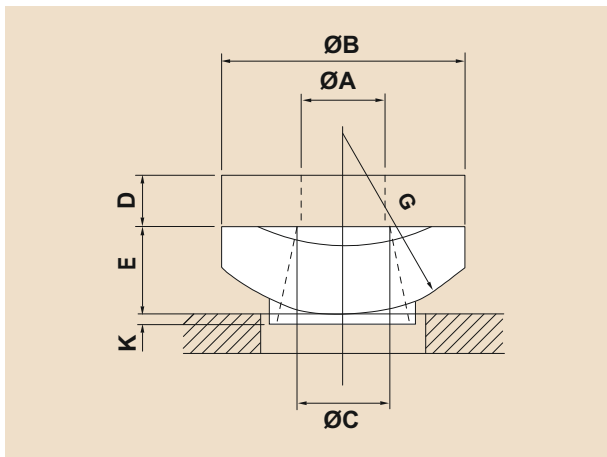
## RA10 CUP FOR SPHERICAL WASHER



Material: Cast Iron or Carbon Steel

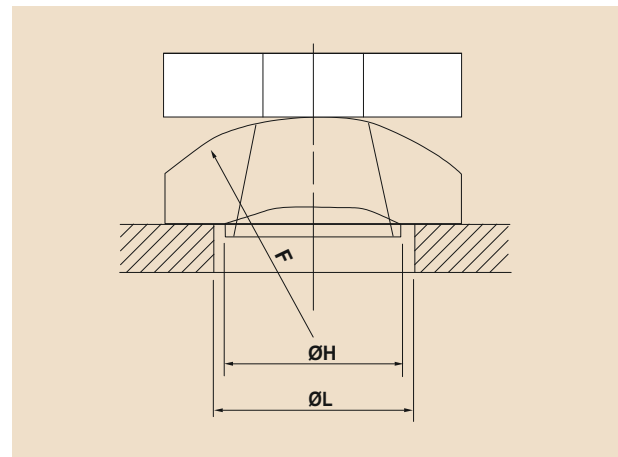
PART NUMBER	ROD SIZE	A	B	C	WEIGHT kgf	LOAD CAPACITY		LOAD GROUP
						kgf	kN	
RA10M08	8	10	29	13	0.05	230	2.3	0
RA10M10	10	12	32	14	0.06	360	3.5	1
RA10M12	12	13	35	16	0.06	530	5.2	2
RA10M16	16	16	41	19	0.09	1010	9.9	3
RA10M20	20	19	54	24	0.18	1580	15.5	4
RA10M24	24	25	63	32	0.37	2280	22.4	5
RA10M30	30	29	76	35	0.54	3650	35.8	6
RA10M36	36	35	95	44	1.1	5340	52.4	7
RA10M42	42	44	105	49	1.8	7400	72.6	8
RA10M48	48	48	130	58	3.0	9650	94.6	9
RA10M56	56	51	152	68	3.8	13350	130.9	10
RA10M64	64	60	172	78	6.2	18000	176.5	11
RA10M72	72	68	194	88	8.8	23025	225.8	12
RA10M80	80	76	215	98	12.1	28125	275.8	13

## RA11 DUAL FACED ROCKING WASHER



Material: Cast Iron

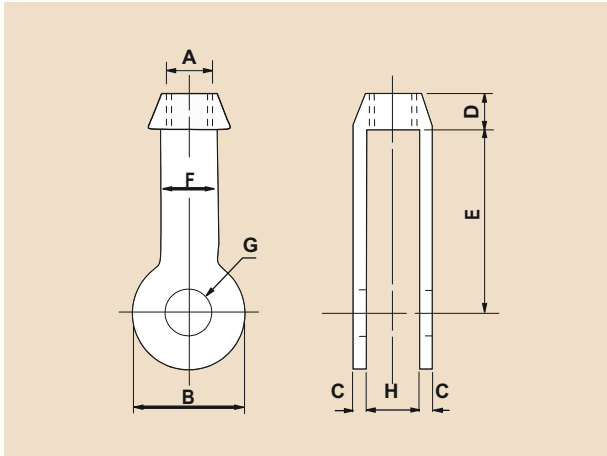
## RA12 PLATE FOR DUAL FACED ROCKING WASHER



Material: Carbon Steel

PART NUMBER ROCKING WASHER	PART NUMBER PLATE	ROD DIA	A	B	C	D	E	F	G	H	K	L	WEIGHT kgf		LOAD CAPACITY		LOAD GROUP
													ROCKER WASHER	PLATE	kgf	kN	
RA11M12	RA12M12	M12	13	50	20	10	16	32	32	33	5	38	0.12	0.14	530	5.2	2
RA11M16	RA12M16	M16	17	50	20	10	16	32	32	33	5	38	0.11	0.14	1010	9.9	3
RA11M20	RA12M20	M20	21	65	28	15	24	48	48	44	5	49	0.28	0.35	1580	15.5	4
RA11M24	RA12M24	M24	26	65	28	15	24	48	48	44	5	49	0.26	0.33	2280	22.4	5
RA11M30	RA12M30	M30	32	98	40	20	36	72	72	59	5	66	0.95	1.1	3650	35.8	6
RA11M36	RA12M36	M36	38	98	40	20	36	72	72	59	5	66	0.91	1.0	5340	52.4	7
RA11M42	RA12M42	M42	45	114	46	25	42	84	84	67	6	74	1.4	1.7	7400	72.6	8
RA11M48	RA12M48	M48	52	130	52	30	48	96	96	75	7	82	2.1	2.6	9650	94.6	9
RA11M56	RA12M56	M56	60	151	60	35	56	112	112	89	8	93	3.3	4.1	13350	130.9	10
RA11M64	RA12M64	M64	68	173	69	40	64	128	128	96	10	104	5.0	6.2	18000	176.5	11

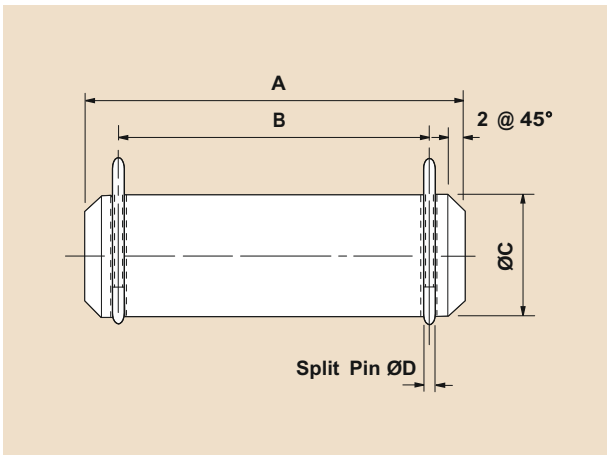
## RA13 CLEVIS



Material: Forged Steel or Carbon Steel  
This item may be forged or profiled

PART NUMBER	ROD DIA	B	C	D	E	F	G	H	Wt. kgf	LOAD CAPACITY		LOAD GROUP
										kgf	kN	
RA13M08	8	38	13	32	95	30	10	18	1.2	230	2.3	0
RA13M10	10	38	13	32	95	30	12	18	1.2	360	3.5	1
RA13M12	12	38	13	32	95	30	14	18	1.1	530	5.2	2
RA13M16	16	38	13	32	95	30	18	18	1.1	1010	9.9	3
RA13M20	20	63	16	32	102	30	22	24	1.8	1580	15.5	4
RA13M24	24	76	18	32	127	38	26	28	2.9	2280	22.4	5
RA13M30	30	76	18	32	127	38	32	28	2.8	3650	35.8	6
RA13M36	36	89	20	41	152	44	38	48	4.6	5340	52.4	7
RA13M42	42	102	22	44	152	50	44	56	6.1	7400	72.6	8
RA13M48	48	127	28	57	178	64	50	58	12.0	9650	94.6	9
RA13M56	56	152	33	70	203	76	58	75	20.4	13350	130.9	10
RA13M64	64	152	33	70	203	76	66	75	19.6	18000	176.5	11
RA13M72	72	150	38	90	200	150	74	80	41.1	23025	225.8	12
RA13M80	80	180	40	100	200	180	82	90	57.3	28125	275.8	13

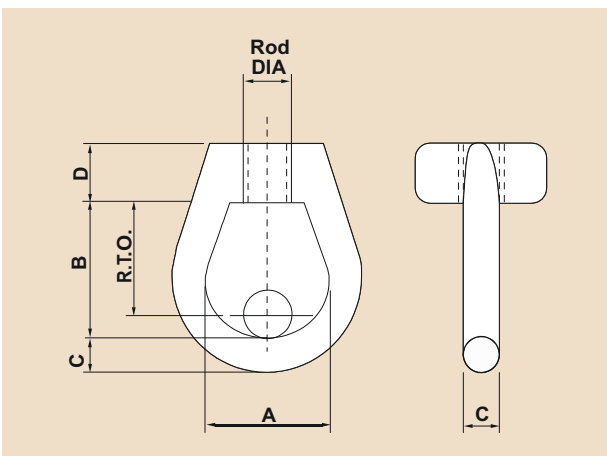
## RA14 CLEVIS PIN



Material: Carbon Steel

PART NUMBER	ROD DIA	A	B	PIN ØC	SPLIT PIN ØD	WEIGHT kgf	LOAD CAPACITY		LOAD GROUP
							kgf	kN	
RA14M08	8	70	55	8	4	0.03	230	2.3	0
RA14M10	10	70	55	10	5	0.04	360	3.5	1
RA14M12	12	75	60	12	5	0.07	530	5.2	2
RA14M16	16	75	60	16	5	0.12	1010	9.9	3
RA14M20	20	90	75	20	5	0.22	1580	15.5	4
RA14M24	24	95	80	24	6	0.34	2280	22.4	5
RA14M30	30	105	90	30	6	0.58	3650	35.8	6
RA14M36	36	125	110	36	6	1.0	5340	52.4	7
RA14M42	42	130	115	42	6	1.4	7400	72.6	8
RA14M48	48	150	130	48	8	2.1	9650	94.6	9
RA14M56	56	175	155	56	8	3.4	13350	130.9	10
RA14M64	64	185	165	64	8	4.7	18000	176.5	11
RA14M72	72	205	185	72	8	6.6	23025	225.8	12
RA14M80	80	210	190	80	8	8.3	28125	275.8	13

## RA15 WELDLESS EYE NUT

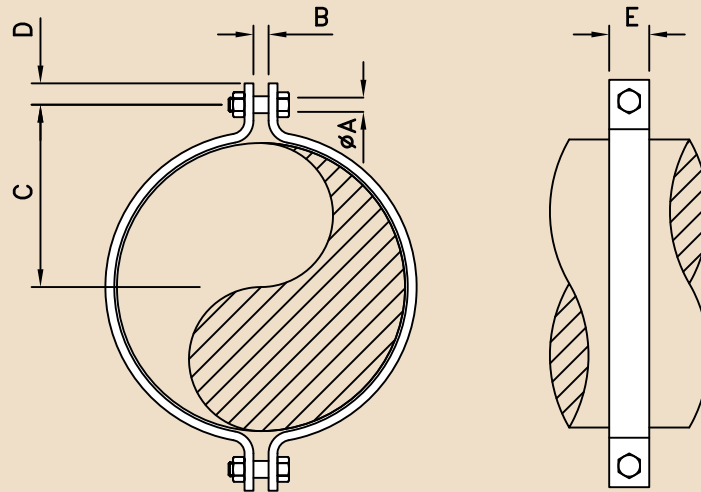


Material: Forged Steel

PART NUMBER	ROD DIA X	A	B	C	D	R.T.O.	WEIGHT kgf	LOAD CAPACITY		LOAD GROUP
								kgf	kN	
RA15M08	8	25	38	10	16	34	0.10	230	2.3	0
RA15M10	10	25	38	10	16	33	0.10	360	3.5	1
RA15M12	12	38	51	13	17	45	0.27	530	5.2	2
RA15M16	16	38	51	13	17	43	0.25	1010	9.9	3
RA15M20	20	50	79	17	28	69	0.84	1580	15.5	4
RA15M24	24	50	79	17	28	67	0.81	2280	22.4	5
RA15M30	30	47	95	20	47	80	2.1	3650	35.8	6
RA15M36	36	47	95	20	47	77	2.0	5340	52.4	7
RA15M42	42	101	159	38	57	138	7.5	7400	72.6	8
RA15M48	48	101	159	38	57	135	7.3	9650	94.6	9
RA15M56	56	101	159	38	57	131	7.1	13350	130.9	10
RA15M64	64	101	159	38	57	127	6.8	18000	176.5	11
RA15M72	72	101	222	49	89	186	18.0	23025	225.8	12
RA15M80	80	101	222	49	89	182	17.4	28125	275.8	13

R.T.O. ASSUMES USE IN CONJUNCTION WITH A PIN HAVING THE SAME DIAMETER AS THE HANGER ROD

## PA2 PIPE CLAMP FOR UNLAGGED PIPE TWO BOLT TYPE

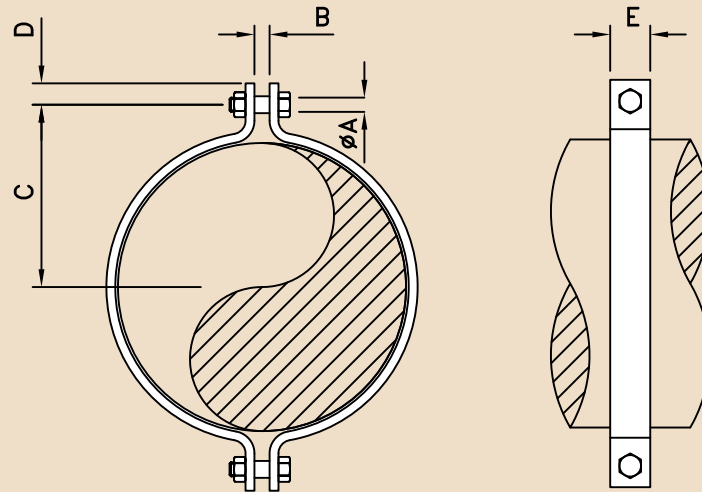


*Material: Carbon Steel*

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity at 350C	Compatible with Rod Sizes
	mm	in			mm	mm					
<b>PA2-15-0</b>	21.3	0.839	12	15	30	1 <sup>3</sup> / <sub>16</sub>	18	35	0.3	390	M8-M16
<b>PA2-20-0</b>	26.7	1.051	12	15	35	1 <sup>3</sup> / <sub>8</sub>	18	35	0.4	390	M8-M16
<b>PA2-25-0</b>	33.4	1.315	12	15	40	1 <sup>9</sup> / <sub>16</sub>	18	35	0.4	390	M8-M16
<b>PA2-32-0</b>	42.2	1.661	12	15	45	1 <sup>3</sup> / <sub>4</sub>	18	35	0.4	390	M8-M16
<b>PA2-40-0</b>	48.3	1.902	12	15	45	1 <sup>3</sup> / <sub>4</sub>	18	35	0.5	390	M8-M16
<b>PA2-50-0</b>	60.3	2.375	12	15	55	2 <sup>3</sup> / <sub>16</sub>	18	35	0.5	390	M8-M16
PA2-50-1	60.3	2.375	16	17	60	2 <sup>3</sup> / <sub>8</sub>	24	40	0.9	740	M8-M16
PA2-50-2	60.3	2.375	16	17	60	2 <sup>3</sup> / <sub>8</sub>	24	40	0.9	740	M8-M16
PA2-65-0	73.0	2.875	12	15	65	2 <sup>9</sup> / <sub>16</sub>	18	35	0.6	370	M8-M16
PA2-65-1	73.0	2.875	16	17	70	2 <sup>3</sup> / <sub>4</sub>	24	40	1.0	590	M8-M16
<b>PA2-65-2</b>	73.0	2.875	16	17	70	2 <sup>3</sup> / <sub>4</sub>	24	40	1.0	590	M8-M16
PA2-80-0	88.9	3.500	12	15	70	2 <sup>3</sup> / <sub>4</sub>	18	35	0.7	340	M8-M16
PA2-80-1	88.9	3.500	16	17	75	2 <sup>15</sup> / <sub>16</sub>	24	40	1.0	530	M8-M16
<b>PA2-80-2</b>	88.9	3.500	16	17	75	2 <sup>15</sup> / <sub>16</sub>	24	40	1.0	530	M8-M16
PA2-90-0	101.6	4.000	12	15	75	2 <sup>15</sup> / <sub>16</sub>	18	35	0.7	320	M8-M16
PA2-90-1	101.6	4.000	16	17	80	3 <sup>1</sup> / <sub>8</sub>	24	40	1.1	500	M8-M16
PA2-90-2	101.6	4.000	16	17	85	3 <sup>3</sup> / <sub>8</sub>	24	40	1.4	800	M8-M16
<b>PA2-100-0</b>	114.3	4.500	12	15	85	3 <sup>3</sup> / <sub>8</sub>	18	35	0.8	270	M8-M16
PA2-100-1	114.3	4.500	16	17	90	3 <sup>9</sup> / <sub>16</sub>	24	40	1.2	420	M8-M16
<b>PA2-100-2</b>	114.3	4.500	16	17	95	3 <sup>3</sup> / <sub>4</sub>	24	40	1.6	740	M8-M16
PA2-100-3	114.3	4.500	20	20	105	4 <sup>1</sup> / <sub>8</sub>	30	60	3.8	1320	M12-M24
PA2-125-0	141.3	5.563	12	15	95	3 <sup>3</sup> / <sub>4</sub>	18	35	0.9	260	M8-M16
PA2-125-1	141.3	5.563	16	17	105	4 <sup>1</sup> / <sub>8</sub>	24	40	1.7	680	M8-M16
PA2-125-2	141.3	5.563	16	17	105	4 <sup>1</sup> / <sub>8</sub>	24	40	1.7	680	M8-M16
PA2-125-3	141.3	5.563	20	20	120	4 <sup>3</sup> / <sub>4</sub>	30	60	4.3	1320	M12-M24
<b>PA2-150-0</b>	168.3	6.625	12	15	115	4 <sup>1</sup> / <sub>2</sub>	18	40	1.4	340	M8-M16
PA2-150-1	168.3	6.625	16	17	120	4 <sup>3</sup> / <sub>4</sub>	24	40	2.0	590	M8-M16
<b>PA2-150-2</b>	168.3	6.625	16	17	120	4 <sup>3</sup> / <sub>4</sub>	24	40	2.0	590	M8-M16
PA2-150-3	168.3	6.625	20	20	135	5 <sup>5</sup> / <sub>16</sub>	30	60	4.8	1320	M12-M24
PA2-150-4	168.3	6.625	24	25	135	5 <sup>5</sup> / <sub>16</sub>	36	60	5.1	1800	M12-M36



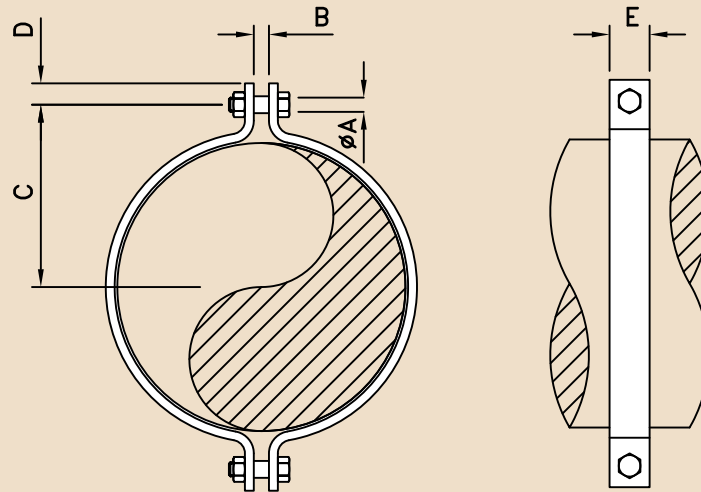
## PA2 PIPE CLAMP FOR UNLAGGED PIPE TWO BOLT TYPE



*Material: Carbon Steel*

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity at 350C	Compatible with Rod Sizes
	mm	in			mm	in					
PA2-175-0	193.7	7.625	12	15	125	4 <sup>15</sup> / <sub>16</sub>	18	40	1.5	330	M8-M16
PA2-175-1	193.7	7.625	16	17	135	5 <sup>9</sup> / <sub>16</sub>	24	40	2.2	510	M8-M16
PA2-175-2	193.7	7.625	16	17	140	5 <sup>1</sup> / <sub>2</sub>	24	45	3.1	800	M8-M16
PA2-175-3	193.7	7.625	20	20	145	5 <sup>11</sup> / <sub>16</sub>	30	60	5.2	1320	M12-M24
PA2-175-4	193.7	7.625	24	25	150	5 <sup>7</sup> / <sub>8</sub>	36	60	5.6	1590	M12-M36
PA2-175-5	193.7	7.625	30	29	170	6 <sup>11</sup> / <sub>16</sub>	45	90	15.1	3050	M12-M36
PA2-200-0	219.1	8.625	12	15	140	5 <sup>1</sup> / <sub>2</sub>	18	40	1.7	290	M8-M16
<b>PA2-200-1</b>	219.1	8.625	16	17	150	5 <sup>7</sup> / <sub>8</sub>	24	40	2.4	460	M8-M16
<b>PA2-200-2</b>	219.1	8.625	16	17	155	6 <sup>1</sup> / <sub>8</sub>	24	45	3.4	790	M8-M16
PA2-200-3	219.1	8.625	20	20	160	6 <sup>5</sup> / <sub>16</sub>	30	60	5.7	1320	M12-M24
PA2-200-4	219.1	8.625	24	25	180	7 <sup>1</sup> / <sub>16</sub>	36	65	11.1	1830	M12-M36
PA2-200-5	219.1	8.625	30	29	185	7 <sup>5</sup> / <sub>16</sub>	45	90	16.3	3050	M12-M36
PA2-200-6	219.1	8.625	36	41	185	7 <sup>5</sup> / <sub>16</sub>	54	90	17.5	3810	M20-M64
PA2-225-0	244.5	9.625	12	15	150	5 <sup>7</sup> / <sub>8</sub>	18	40	1.8	290	M8-M16
PA2-225-1	244.5	9.625	16	17	160	6 <sup>5</sup> / <sub>16</sub>	24	40	2.6	440	M8-M16
PA2-225-2	244.5	9.625	16	17	165	6 <sup>1</sup> / <sub>2</sub>	24	45	3.6	760	M8-M16
PA2-225-3	244.5	9.625	20	20	175	6 <sup>7</sup> / <sub>8</sub>	30	60	6.2	1320	M12-M24
PA2-225-4	244.5	9.625	24	25	190	7 <sup>1</sup> / <sub>2</sub>	36	65	11.7	1830	M12-M36
PA2-225-5	244.5	9.625	30	29	195	7 <sup>11</sup> / <sub>16</sub>	45	90	17.2	3050	M12-M36
PA2-225-6	244.5	9.625	36	41	200	7 <sup>7</sup> / <sub>8</sub>	54	90	18.7	3810	M20-M64
PA2-250-0	273.0	10.75	12	15	170	6 <sup>11</sup> / <sub>16</sub>	18	40	2.0	240	M8-M16
<b>PA2-250-1</b>	273.0	10.75	16	17	175	6 <sup>7</sup> / <sub>8</sub>	24	40	2.8	410	M8-M16
PA2-250-2	273.0	10.75	16	17	180	7 <sup>1</sup> / <sub>16</sub>	24	45	4.0	710	M8-M16
<b>PA2-250-3</b>	273.0	10.75	20	20	190	7 <sup>1</sup> / <sub>2</sub>	30	60	6.7	1240	M12-M24
PA2-250-4	273.0	10.75	24	25	205	8 <sup>1</sup> / <sub>16</sub>	36	65	12.7	1830	M12-M36
PA2-250-5	273.0	10.75	30	29	215	8 <sup>7</sup> / <sub>16</sub>	45	90	18.8	3050	M12-M36
PA2-250-6	273.0	10.75	36	41	215	8 <sup>7</sup> / <sub>16</sub>	54	90	20.0	3810	M20-M64
PA2-250-7	273.0	10.75	42	45	220	8 <sup>11</sup> / <sub>16</sub>	63	110	26.0	5470	M30-M64

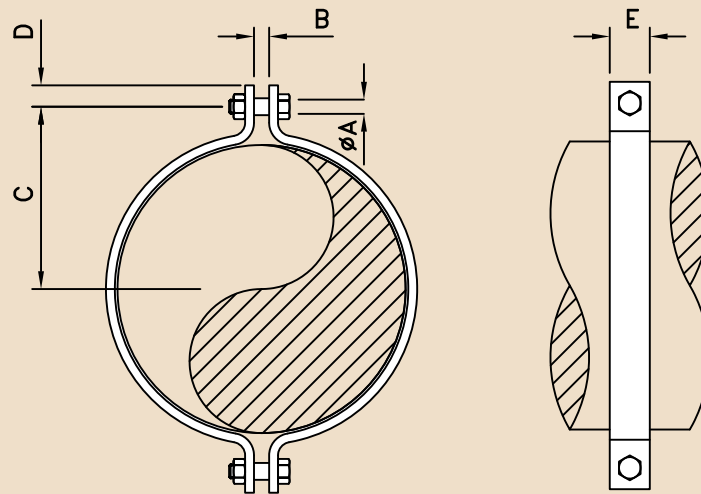
## PA2 PIPE CLAMP FOR UNLAGGED PIPE TWO BOLT TYPE



*Material: Carbon Steel*

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity at 350C	Compatible with Rod Sizes
	mm	in			mm	in					
PA2-300-1	323.9	12.75	16	17	200	7 <sup>7</sup> / <sub>8</sub>	24	40	3.2	380	M8-M16
<b>PA2-300-2</b>	323.9	12.75	16	17	205	8 <sup>1</sup> / <sub>16</sub>	24	45	4.5	650	M8-M16
PA2-300-3	323.9	12.75	20	20	215	8 <sup>7</sup> / <sub>16</sub>	30	60	7.6	1130	M12-M24
<b>PA2-300-4</b>	323.9	12.75	24	25	235	9 <sup>1</sup> / <sub>4</sub>	36	65	14.4	1830	M12-M36
PA2-300-5	323.9	12.75	30	29	240	9 <sup>7</sup> / <sub>16</sub>	45	90	21.0	3050	M12-M36
PA2-300-6	323.9	12.75	36	41	245	9 <sup>9</sup> / <sub>8</sub>	54	90	22.5	3810	M20-M64
PA2-300-7	323.9	12.75	42	45	260	10 <sup>1</sup> / <sub>4</sub>	63	110	36.1	5470	M30-M64
PA2-300-8	323.9	12.75	48	52	265	10 <sup>7</sup> / <sub>16</sub>	72	130	44.9	8760	M42-M80
PA2-350-1	355.6	14.00	16	17	225	8 <sup>7</sup> / <sub>8</sub>	24	45	4.9	570	M8-M16
PA2-350-2	355.6	14.00	16	17	225	8 <sup>7</sup> / <sub>8</sub>	24	45	4.9	570	M8-M16
PA2-350-3	355.6	14.00	20	20	230	9 <sup>1</sup> / <sub>16</sub>	30	60	8.1	1080	M12-M24
PA2-350-4	355.6	14.00	24	25	250	9 <sup>13</sup> / <sub>16</sub>	36	65	15.4	1830	M12-M36
PA2-350-5	355.6	14.00	30	29	255	10 <sup>1</sup> / <sub>16</sub>	45	90	22.3	3050	M12-M36
PA2-350-6	355.6	14.00	36	41	260	10 <sup>1</sup> / <sub>4</sub>	54	90	23.8	3810	M20-M64
PA2-350-7	355.6	14.00	42	45	275	10 <sup>13</sup> / <sub>16</sub>	63	110	38.1	5470	M30-M64
PA2-350-8	355.6	14.00	48	52	280	11	72	130	47.2	8250	M42-M80
PA2-350-9	355.6	14.00	56	58	295	11 <sup>5</sup> / <sub>8</sub>	84	150	69.5	10000	M42-M80
PA2-400-1	406.4	16.00	16	17	250	9 <sup>13</sup> / <sub>16</sub>	24	45	5.5	530	M8-M16
PA2-400-2	406.4	16.00	16	17	255	10 <sup>1</sup> / <sub>16</sub>	24	60	8.7	800	M8-M16
PA2-400-3	406.4	16.00	20	20	265	10 <sup>7</sup> / <sub>16</sub>	30	55	10.5	1320	M12-M24
PA2-400-4	406.4	16.00	24	25	275	10 <sup>13</sup> / <sub>16</sub>	36	65	17.0	1830	M12-M36
PA2-400-5	406.4	16.00	30	29	285	11 <sup>1</sup> / <sub>4</sub>	45	90	24.8	3050	M12-M36
PA2-400-6	406.4	16.00	36	41	285	11 <sup>1</sup> / <sub>4</sub>	54	110	31.3	3810	M20-M64
PA2-400-7	406.4	16.00	42	45	300	11 <sup>13</sup> / <sub>16</sub>	63	110	41.4	5470	M30-M64
PA2-400-8	406.4	16.00	48	52	305	12	72	130	51.1	7530	M42-M80
PA2-400-9	406.4	16.00	56	58	325	12 <sup>13</sup> / <sub>16</sub>	84	150	75.5	10000	M42-M80
PA2-400-10	406.4	16.00	64	65	345	13 <sup>9</sup> / <sub>16</sub>	96	180	125.9	20510	M42-M80

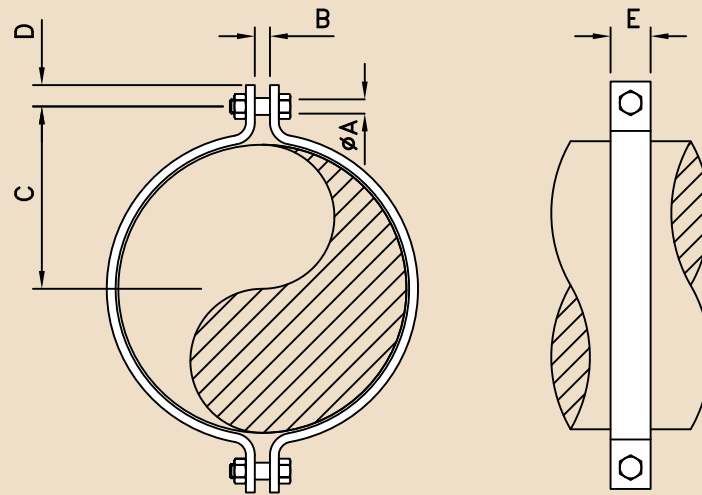
## PA2 PIPE CLAMP FOR UNLAGGED PIPE TWO BOLT TYPE



*Material: Carbon Steel*

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity at 350C	Compatible with Rod Sizes
	mm	in			mm	in					
PA2-450-2	457.2	18.00	16	17	280	11	24	60	9.6	800	M8-M16
PA2-450-3	457.2	18.00	20	20	290	11 <sup>7</sup> / <sub>16</sub>	30	55	11.5	1260	M12-M24
PA2-450-4	457.2	18.00	24	25	305	12	36	65	18.8	1830	M12-M36
PA2-450-5	457.2	18.00	30	29	310	12 <sup>3</sup> / <sub>16</sub>	45	90	27.0	3050	M12-M36
PA2-450-6	457.2	18.00	36	41	315	12 <sup>3</sup> / <sub>8</sub>	54	110	34.3	3810	M20-M64
PA2-450-7	457.2	18.00	42	45	330	13	63	110	45.2	5470	M30-M64
PA2-450-8	457.2	18.00	48	52	335	13 <sup>3</sup> / <sub>16</sub>	72	150	63.4	7780	M42-M80
PA2-450-9	457.2	18.00	56	58	350	13 <sup>3</sup> / <sub>4</sub>	84	150	81.0	10000	M42-M80
PA2-450-10	457.2	18.00	64	65	375	14 <sup>3</sup> / <sub>4</sub>	96	180	135.7	20510	M42-M80
PA2-450-11	457.2	18.00	72	69	385	15 <sup>3</sup> / <sub>16</sub>	108	180	144.6	21500	M42-M80
PA2-500-2	508	20.00	16	17	305	12	24	60	10.5	800	M8-M16
PA2-500-3	508	20.00	20	20	315	12 <sup>3</sup> / <sub>8</sub>	30	55	12.5	1200	M12-M24
PA2-500-4	508	20.00	24	25	330	13	36	65	20.4	1830	M12-M36
PA2-500-5	508	20.00	30	29	335	13 <sup>3</sup> / <sub>16</sub>	45	90	29.2	3050	M12-M36
PA2-500-6	508	20.00	36	41	340	13 <sup>3</sup> / <sub>8</sub>	54	110	37.0	3680	M20-M64
PA2-500-7	508	20.00	42	45	355	14	63	110	48.6	5470	M30-M64
PA2-500-8	508	20.00	48	52	370	14 <sup>9</sup> / <sub>16</sub>	72	150	81.7	10420	M42-M80
PA2-500-9	508	20.00	56	58	380	14 <sup>15</sup> / <sub>16</sub>	84	150	87.2	9870	M42-M80
PA2-500-10	508	20.00	64	65	405	15 <sup>15</sup> / <sub>16</sub>	96	180	145.4	20380	M42-M80
PA2-500-11	508	20.00	72	69	410	16 <sup>1</sup> / <sub>8</sub>	108	180	153.2	20020	M42-M80
PA2-500-12	508	20.00	80	77	420	16 <sup>9</sup> / <sub>16</sub>	120	220	194.9	23700	M72-M80
PA2-550-3	558.8	22.00	20	20	340	13 <sup>3</sup> / <sub>8</sub>	30	55	13.5	1130	M12-M24
PA2-550-4	558.8	22.00	24	25	355	14	36	65	22.0	1830	M12-M36
PA2-550-5	558.8	22.00	30	29	360	14 <sup>3</sup> / <sub>16</sub>	45	90	31.4	2920	M12-M36
PA2-550-6	558.8	22.00	36	41	375	14 <sup>3</sup> / <sub>4</sub>	54	110	49.7	3810	M20-M64
PA2-550-7	558.8	22.00	42	45	385	15 <sup>3</sup> / <sub>16</sub>	63	130	61.3	5470	M30-M64
PA2-550-8	558.8	22.00	48	52	400	15 <sup>3</sup> / <sub>4</sub>	72	150	87.9	9480	M42-M80
PA2-550-9	558.8	22.00	56	58	425	16 <sup>3</sup> / <sub>4</sub>	84	150	123.9	10000	M42-M80
PA2-550-10	558.8	22.00	64	65	430	16 <sup>15</sup> / <sub>16</sub>	96	180	154.0	19130	M42-M80
PA2-550-11	558.8	22.00	72	69	440	17 <sup>5</sup> / <sub>16</sub>	108	180	162.9	18340	M42-M80
PA2-550-12	558.8	22.00	80	77	465	18 <sup>5</sup> / <sub>16</sub>	120	200	235.6	31070	M72-M80
PA2-550-13	558.8	22.00	80	85	460	18 <sup>1</sup> / <sub>8</sub>	120	200	233.9	30830	M72-M80

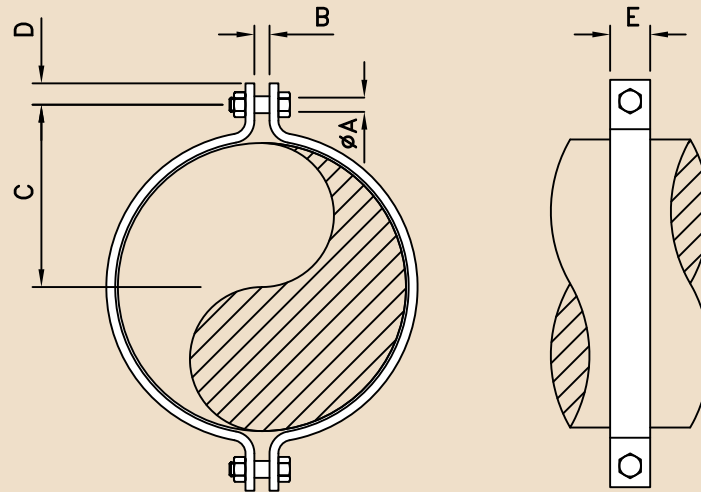
## PA2 PIPE CLAMP FOR UNLAGGED PIPE TWO BOLT TYPE



*Material: Carbon Steel*

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity at 350C	Compatible with Rod Sizes
	mm	in			mm	in					
PA2-600-3	609.6	24.00	20	20	370	14 <sup>9</sup> / <sub>16</sub>	30	55	14.7	1010	M12-M24
PA2-600-4	609.6	24.00	24	25	385	15 <sup>3</sup> / <sub>16</sub>	36	65	23.8	1830	M12-M36
PA2-600-5	609.6	24.00	30	29	390	15 <sup>3</sup> / <sub>8</sub>	45	90	34.0	2660	M12-M36
PA2-600-6	609.6	24.00	36	41	405	15 <sup>15</sup> / <sub>16</sub>	54	110	53.5	3810	M20-M64
PA2-600-7	609.6	24.00	42	45	410	16 <sup>1</sup> / <sub>8</sub>	63	130	65.3	5470	M30-M64
PA2-600-8	609.6	24.00	48	52	425	16 <sup>3</sup> / <sub>4</sub>	72	150	93.4	9000	M42-M80
PA2-600-9	609.6	24.00	56	58	450	17 <sup>11</sup> / <sub>16</sub>	84	150	131.2	10000	M42-M80
PA2-600-10	609.6	24.00	64	65	460	18 <sup>1</sup> / <sub>8</sub>	96	180	163.8	17670	M42-M80
PA2-600-11	609.6	24.00	72	69	465	18 <sup>5</sup> / <sub>16</sub>	108	200	189.0	19260	M42-M80
PA2-600-12	609.6	24.00	80	77	490	19 <sup>5</sup> / <sub>16</sub>	120	200	247.6	29340	M72-M80
PA2-600-13	609.6	24.00	80	85	490	19 <sup>5</sup> / <sub>16</sub>	120	200	247.4	29610	M72-M80
PA2-650-3	660.4	26.00	20	20	405	15 <sup>15</sup> / <sub>16</sub>	30	65	24.8	1320	M12-M24
PA2-650-4	660.4	26.00	24	25	410	16 <sup>1</sup> / <sub>8</sub>	36	65	25.4	1830	M12-M36
PA2-650-5	660.4	26.00	30	29	415	16 <sup>5</sup> / <sub>16</sub>	45	90	36.2	2530	M12-M36
PA2-650-6	660.4	26.00	36	41	430	16 <sup>15</sup> / <sub>16</sub>	54	110	56.9	3810	M20-M64
PA2-650-7	660.4	26.00	42	45	435	17 <sup>1</sup> / <sub>8</sub>	63	150	79.5	5470	M30-M64
PA2-650-8	660.4	26.00	48	52	450	17 <sup>11</sup> / <sub>16</sub>	72	150	98.8	8560	M42-M80
PA2-650-9	660.4	26.00	56	58	480	18 <sup>7</sup> / <sub>8</sub>	84	150	139.4	10000	M42-M80
PA2-650-10	660.4	26.00	64	65	485	19 <sup>1</sup> / <sub>8</sub>	96	180	172.6	16770	M42-M80
PA2-650-11	660.4	26.00	72	69	490	19 <sup>5</sup> / <sub>16</sub>	108	200	198.7	18270	M42-M80
PA2-650-12	660.4	26.00	80	77	520	20 <sup>1</sup> / <sub>2</sub>	120	200	261.1	27260	M72-M80
PA2-650-13	660.4	26.00	80	85	515	20 <sup>1</sup> / <sub>4</sub>	120	220	283.0	30830	M72-M80
PA2-700-3	711.2	28.00	20	20	430	16 <sup>15</sup> / <sub>16</sub>	30	65	26.4	1320	M12-M24
PA2-700-4	711.2	28.00	24	25	435	17 <sup>1</sup> / <sub>8</sub>	36	65	27.0	1830	M12-M36
PA2-700-5	711.2	28.00	30	29	440	17 <sup>5</sup> / <sub>16</sub>	45	90	38.4	2420	M12-M36
PA2-700-6	711.2	28.00	36	41	455	17 <sup>15</sup> / <sub>16</sub>	54	110	60.3	3810	M20-M64
PA2-700-7	711.2	28.00	42	45	460	18 <sup>1</sup> / <sub>8</sub>	63	150	84.0	5470	M30-M64
PA2-700-8	711.2	28.00	48	52	475	18 <sup>11</sup> / <sub>16</sub>	72	150	104.3	8170	M42-M80
PA2-700-9	711.2	28.00	56	58	505	19 <sup>7</sup> / <sub>8</sub>	84	150	146.5	10000	M42-M80
PA2-700-10	711.2	28.00	64	65	510	20 <sup>1</sup> / <sub>16</sub>	96	180	181.2	15990	M42-M80
PA2-700-11	711.2	28.00	72	69	520	20 <sup>1</sup> / <sub>2</sub>	108	220	229.0	18700	M42-M80
PA2-700-12	711.2	28.00	80	77	545	21 <sup>7</sup> / <sub>16</sub>	120	200	273.0	25950	M72-M80
PA2-700-13	711.2	28.00	80	85	545	21 <sup>7</sup> / <sub>16</sub>	120	220	297.9	28790	M72-M80

## PA2 PIPE CLAMP FOR UNLAGGED PIPE TWO BOLT TYPE

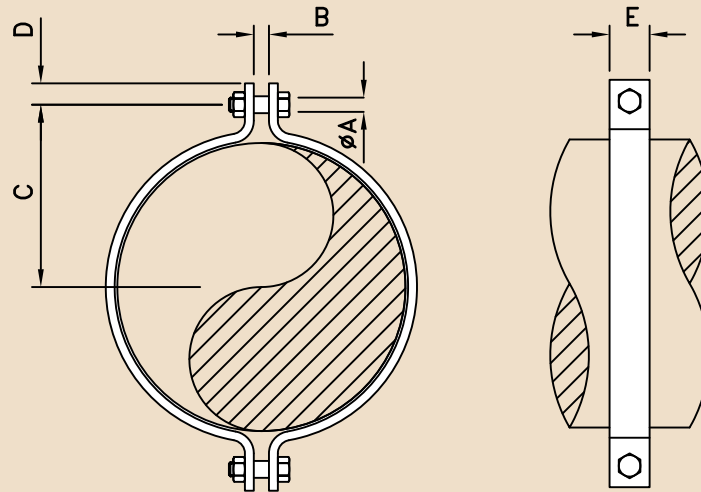


*Material: Carbon Steel*

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity at 350C	Compatible with Rod Sizes
	mm	in			mm	in					
PA2-750-4	762.0	30.00	24	25	460	18 <sup>1</sup> / <sub>8</sub>	36	65	28.6	1780	M12-M36
PA2-750-5	762.0	30.00	30	29	465	18 <sup>5</sup> / <sub>16</sub>	45	90	40.6	2350	M12-M36
PA2-750-6	762.0	30.00	36	41	480	18 <sup>7</sup> / <sub>8</sub>	54	110	63.7	3810	M20-M64
PA2-750-7	762.0	30.00	42	45	485	19 <sup>1</sup> / <sub>8</sub>	63	150	88.7	5470	M30-M64
PA2-750-8	762.0	30.00	48	52	505	19 <sup>7</sup> / <sub>8</sub>	72	150	110.6	7610	M42-M80
PA2-750-9	762.0	30.00	56	58	530	20 <sup>7</sup> / <sub>8</sub>	84	150	153.9	10000	M42-M80
PA2-750-10	762.0	30.00	64	65	540	21 <sup>1</sup> / <sub>4</sub>	96	180	191.1	14970	M42-M80
PA2-750-11	762.0	30.00	72	69	565	22 <sup>1</sup> / <sub>4</sub>	108	200	275.1	25190	M42-M80
PA2-750-12	762.0	30.00	80	77	570	22 <sup>7</sup> / <sub>16</sub>	120	200	285.1	24860	M72-M80
PA2-750-13	762.0	30.00	80	85	570	22 <sup>7</sup> / <sub>16</sub>	120	240	337.6	30070	M72-M80
PA2-800-4	812.8	32.00	24	25	485	19 <sup>1</sup> / <sub>8</sub>	36	65	30.2	1730	M12-M36
PA2-800-5	812.8	32.00	30	29	490	19 <sup>5</sup> / <sub>16</sub>	45	110	52.1	2780	M12-M36
PA2-800-6	812.8	32.00	36	41	510	20 <sup>1</sup> / <sub>16</sub>	54	110	67.5	3810	M20-M64
PA2-800-7	812.8	32.00	42	45	525	20 <sup>11</sup> / <sub>16</sub>	63	150	113.0	5470	M30-M64
PA2-800-8	812.8	32.00	48	52	550	21 <sup>5</sup> / <sub>8</sub>	72	150	155.9	10910	M42-M80
PA2-800-9	812.8	32.00	56	58	560	22 <sup>1</sup> / <sub>16</sub>	84	150	162.3	10000	M42-M80
PA2-800-10	812.8	32.00	64	65	565	22 <sup>1</sup> / <sub>4</sub>	96	180	199.9	14410	M42-M80
PA2-800-11	812.8	32.00	72	69	590	23 <sup>1</sup> / <sub>4</sub>	108	200	287.4	24240	M42-M80
PA2-800-12	812.8	32.00	80	77	600	23 <sup>5</sup> / <sub>8</sub>	120	200	299.0	23420	M72-M80
PA2-800-13	812.8	32.00	80	85	600	23 <sup>5</sup> / <sub>8</sub>	120	240	354.2	28320	M72-M80
PA2-850-4	863.6	34.00	24	25	510	20 <sup>1</sup> / <sub>16</sub>	36	65	31.8	1670	M12-M36
PA2-850-5	863.6	34.00	30	29	515	21 <sup>1</sup> / <sub>4</sub>	45	110	54.8	2690	M12-M36
PA2-850-6	863.6	34.00	36	41	535	21 <sup>1</sup> / <sub>16</sub>	54	110	70.9	3810	M20-M64
PA2-850-7	863.6	34.00	42	45	550	21 <sup>5</sup> / <sub>8</sub>	63	150	118.5	5470	M30-M64
PA2-850-8	863.6	34.00	48	52	575	22 <sup>5</sup> / <sub>8</sub>	72	150	163.3	10910	M42-M80
PA2-850-9	863.6	34.00	56	58	585	23 <sup>1</sup> / <sub>16</sub>	84	150	169.5	10000	M42-M80
PA2-850-10	863.6	34.00	64	65	590	23 <sup>1</sup> / <sub>4</sub>	96	180	208.7	13870	M42-M80
PA2-850-11	863.6	34.00	72	69	620	24 <sup>7</sup> / <sub>16</sub>	108	200	300.9	22830	M42-M80
PA2-850-12	863.6	34.00	80	77	625	24 <sup>5</sup> / <sub>8</sub>	120	220	340.0	24770	M72-M80
PA2-850-13	863.6	34.00	80	85	625	24 <sup>5</sup> / <sub>8</sub>	120	260	397.4	29490	M72-M80



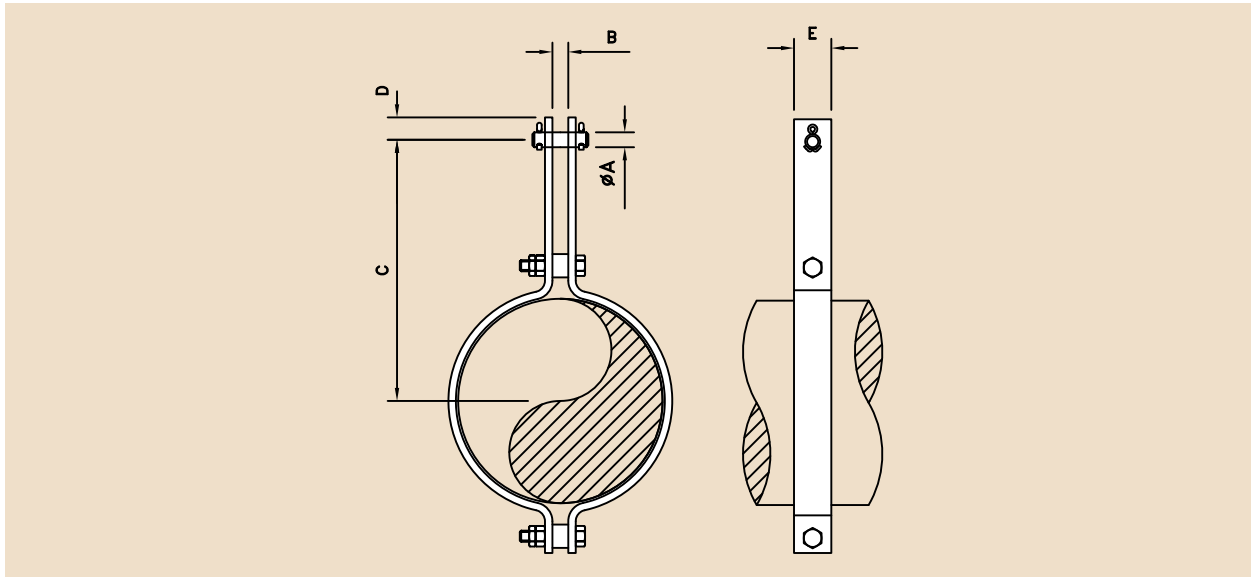
## PA2 PIPE CLAMP FOR UNLAGGED PIPE TWO BOLT TYPE



**Material: Carbon Steel**

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity at 350C	Compatible with Rod Sizes
	mm	in			mm	in					
PA2-900-4	914.4	36.00	24	25	535	21 <sup>1</sup> / <sub>16</sub>	36	65	33.5	1630	M12-M36
PA2-900-5	914.4	36.00	30	29	545	21 <sup>7</sup> / <sub>16</sub>	45	110	57.9	2490	M12-M36
PA2-900-6	914.4	36.00	36	41	560	22 <sup>1</sup> / <sub>16</sub>	54	110	74.3	3760	M20-M64
PA2-900-7	914.4	36.00	42	45	575	22 <sup>5</sup> / <sub>8</sub>	63	150	124.1	5470	M30-M64
PA2-900-8	914.4	36.00	48	52	605	23 <sup>13</sup> / <sub>16</sub>	72	150	171.6	10910	M42-M80
PA2-900-9	914.4	36.00	56	58	610	24	84	150	176.9	10000	M42-M80
PA2-900-10	914.4	36.00	64	65	620	24 <sup>7</sup> / <sub>16</sub>	96	200	241.9	14560	M42-M80
PA2-900-11	914.4	36.00	72	69	645	25 <sup>3</sup> / <sub>8</sub>	108	200	313.2	22080	M42-M80
PA2-900-12	914.4	36.00	80	77	655	25 <sup>13</sup> / <sub>16</sub>	120	220	355.2	23470	M72-M80
PA2-900-13	914.4	36.00	80	85	650	25 <sup>9</sup> / <sub>16</sub>	120	260	413.4	28500	M72-M80
PA2-950-4	965.2	38.00	24	25	565	22 <sup>1</sup> / <sub>4</sub>	36	90	48.6	1830	M12-M36
PA2-950-5	965.2	38.00	30	29	570	22 <sup>7</sup> / <sub>16</sub>	45	110	60.7	2440	M12-M36
PA2-950-6	965.2	38.00	36	41	585	23 <sup>1</sup> / <sub>16</sub>	54	110	77.7	3660	M20-M64
PA2-950-7	965.2	38.00	42	45	605	23 <sup>13</sup> / <sub>16</sub>	63	150	130.4	5470	M30-M64
PA2-950-8	965.2	38.00	48	52	630	24 <sup>13</sup> / <sub>16</sub>	72	150	179.0	10910	M42-M80
PA2-950-9	965.2	38.00	56	58	635	25	84	150	184.3	10000	M42-M80
PA2-950-10	965.2	38.00	64	65	645	25 <sup>3</sup> / <sub>8</sub>	96	200	251.7	14130	M42-M80
PA2-950-11	965.2	38.00	72	69	675	26 <sup>9</sup> / <sub>16</sub>	108	200	327.0	20950	M42-M80
PA2-950-12	965.2	38.00	80	77	680	26 <sup>3</sup> / <sub>4</sub>	120	240	400.3	24800	M72-M80
PA2-950-13	965.2	38.00	80	85	680	26 <sup>3</sup> / <sub>4</sub>	120	280	462.9	29130	M72-M80
PA2-1000-4	1016.0	40.00	24	25	590	23 <sup>1</sup> / <sub>4</sub>	36	90	50.8	1810	M12-M36
PA2-1000-5	1016.0	40.00	30	29	595	23 <sup>7</sup> / <sub>16</sub>	45	110	63.4	2370	M12-M36
PA2-1000-6	1016.0	40.00	36	41	610	24	54	130	95.5	3810	M20-M64
PA2-1000-7	1016.0	40.00	42	45	630	24 <sup>13</sup> / <sub>16</sub>	63	150	135.9	5470	M30-M64
PA2-1000-8	1016.0	40.00	48	52	655	25 <sup>13</sup> / <sub>16</sub>	72	150	186.3	10910	M42-M80
PA2-1000-9	1016.0	40.00	56	58	665	26 <sup>3</sup> / <sub>16</sub>	84	150	192.6	10000	M42-M80
PA2-1000-10	1016.0	40.00	64	65	670	26 <sup>3</sup> / <sub>8</sub>	96	200	261.5	13690	M42-M80
PA2-1000-11	1016.0	40.00	72	69	700	27 <sup>9</sup> / <sub>16</sub>	108	200	339.1	20290	M42-M80
PA2-1000-12	1016.0	40.00	80	77	705	27 <sup>3</sup> / <sub>4</sub>	120	240	414.8	24010	M72-M80
PA2-1000-13	1016.0	40.00	80	85	705	27 <sup>3</sup> / <sub>4</sub>	120	280	479.9	28200	M72-M80

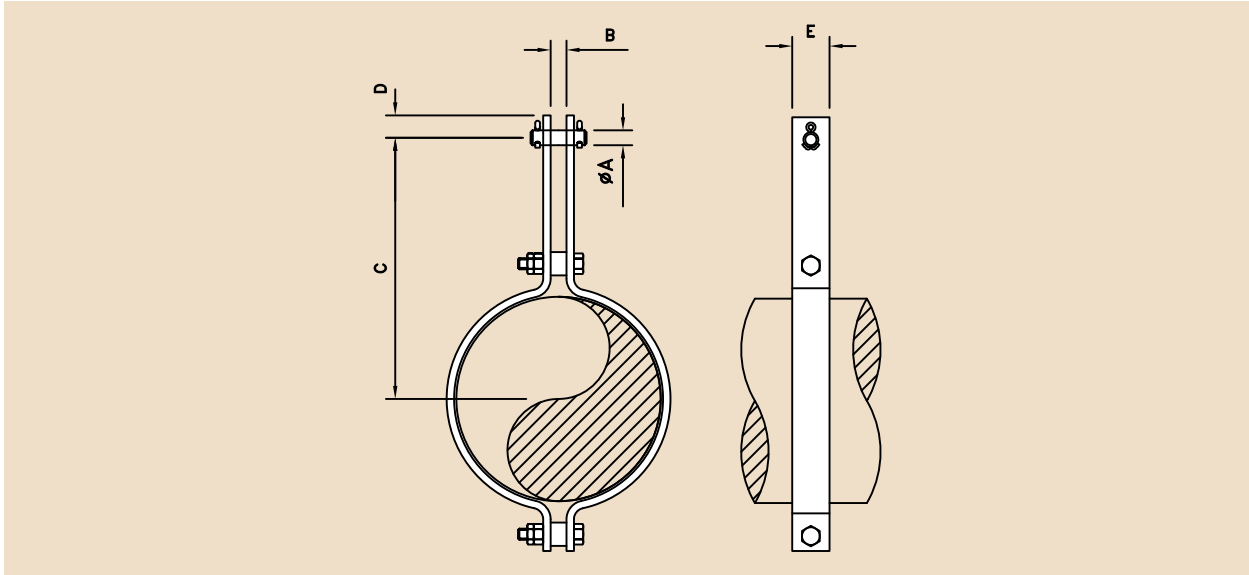
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
<b>PA3-15-0-400</b>	21.3	0.839	12	15	100	3 <sup>15</sup> / <sub>16</sub>	18	35	0.6	390	390						M8-M16
PA3-15-0-490	21.3	0.839	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	40	0.8	390	390	390	390	390	390	340	M8-M16
PA3-15-0-530	21.3	0.839	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	40	0.8	390	390	390	390	390	390	340	M8-M16
PA3-15-0-560	21.3	0.839	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	40	0.8	390	390	390	390	390	390	390	M8-M16
PA3-15-0-600	21.3	0.839	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	40	0.8	390	390	390	390	390	390	390	M8-M16
<b>PA3-20-0-400</b>	26.7	1.051	12	15	100	3 <sup>15</sup> / <sub>16</sub>	18	35	0.6	390	390						M8-M16
PA3-20-0-490	26.7	1.051	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	40	0.8	390	390	390	390	390	390	340	M8-M16
PA3-20-0-530	26.7	1.051	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	40	0.8	390	390	390	390	390	390	340	M8-M16
PA3-20-0-560	26.7	1.051	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	40	0.8	390	390	390	390	390	390	390	M8-M16
PA3-20-0-600	26.7	1.051	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	40	0.8	390	390	390	390	390	390	390	M8-M16
<b>PA3-25-0-400</b>	33.4	1.315	12	15	100	3 <sup>15</sup> / <sub>16</sub>	18	35	0.6	390	390						M8-M16
PA3-25-0-490	33.4	1.315	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	380	300	M8-M16
PA3-25-0-530	33.4	1.315	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	380	300	M8-M16
PA3-25-0-560	33.4	1.315	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	390	390	M8-M16
PA3-25-0-600	33.4	1.315	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	390	390	M8-M16
<b>PA3-32-0-400</b>	42.2	1.661	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	35	0.6	390	390						M8-M16
PA3-32-0-490	42.2	1.661	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	300	240	M8-M16
PA3-32-0-530	42.2	1.661	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	300	240	M8-M16
PA3-32-0-560	42.2	1.661	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	390	320	M8-M16
PA3-32-0-600	42.2	1.661	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	390	320	M8-M16
<b>PA3-40-0-400</b>	48.3	1.902	12	15	110	4 <sup>5</sup> / <sub>16</sub>	18	35	0.7	390	390						M8-M16
PA3-40-0-490	48.3	1.902	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	350	250	210	M8-M16
PA3-40-0-530	48.3	1.902	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	350	250	210	M8-M16
PA3-40-0-560	48.3	1.902	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	360	270	M8-M16
PA3-40-0-600	48.3	1.902	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	40	0.9	390	390	390	390	390	360	270	M8-M16
<b>PA3-50-0-400</b>	60.3	2.375	12	15	120	4 <sup>3</sup> / <sub>4</sub>	18	35	0.7	390	390						M8-M16
PA3-50-1-400	60.3	2.375	16	17	120	4 <sup>3</sup> / <sub>4</sub>	24	40	1.0	800	740						M8-M16
PA3-50-2-400	60.3	2.375	16	17	120	4 <sup>3</sup> / <sub>4</sub>	24	40	1.0	800	740						M8-M16
PA3-50-0-490	60.3	2.375	12	15	130	5 <sup>1</sup> / <sub>8</sub>	18	40	1.0	390	390	390	390	300	220	170	M8-M16
PA3-50-1-490	60.3	2.375	16	17	130	5 <sup>1</sup> / <sub>8</sub>	24	40	1.0	800	800	730	510	310	220	180	M8-M16
PA3-50-2-490	60.3	2.375	16	17	130	5 <sup>1</sup> / <sub>8</sub>	24	40	1.0	800	800	730	510	310	220	180	M8-M16
PA3-50-0-530	60.3	2.375	12	15	130	5 <sup>1</sup> / <sub>8</sub>	18	40	1.0	390	390	390	390	300	220	170	M8-M16
PA3-50-1-530	60.3	2.375	16	17	130	5 <sup>1</sup> / <sub>8</sub>	24	40	1.0	800	800	730	510	310	220	180	M8-M16
PA3-50-2-530	60.3	2.375	16	17	130	5 <sup>1</sup> / <sub>8</sub>	24	50	2.1	800	800	800	800	800	800	640	M8-M16
PA3-50-0-560	60.3	2.375	12	15	130	5 <sup>1</sup> / <sub>8</sub>	18	40	1.0	390	390	390	390	380	300	230	M8-M16
PA3-50-1-560	60.3	2.375	16	17	130	5 <sup>1</sup> / <sub>8</sub>	24	40	1.0	800	800	740	550	390	310	240	M8-M16
PA3-50-2-560	60.3	2.375	16	17	130	5 <sup>1</sup> / <sub>8</sub>	24	50	2.1	800	800	800	800	800	800	800	M8-M16
PA3-50-0-600	60.3	2.375	12	15	130	5 <sup>1</sup> / <sub>8</sub>	18	40	1.0	390	390	390	390	380	300	230	M8-M16
PA3-50-1-600	60.3	2.375	16	17	130	5 <sup>1</sup> / <sub>8</sub>	24	50	2.1	800	800	800	800	800	800	800	M8-M16
PA3-50-2-600	60.3	2.375	16	17	130	5 <sup>1</sup> / <sub>8</sub>	24	50	2.1	800	800	800	800	800	800	800	M8-M16

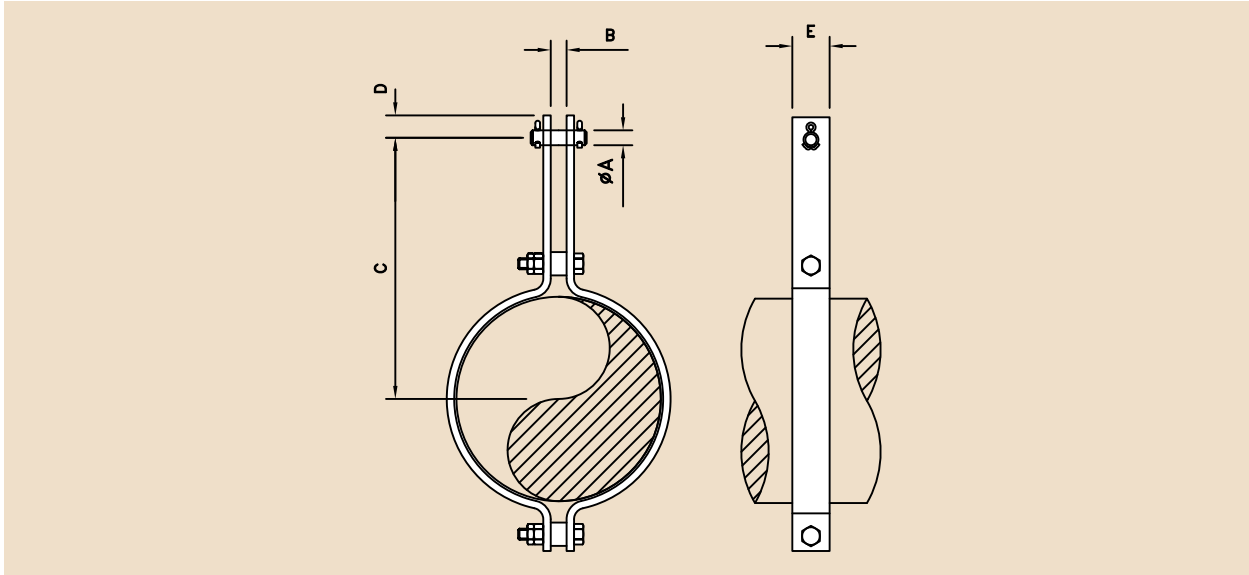
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	mm				mm	in	350	400	490	530	560		580
PA3-65-0-400	73.0	2.875	12	15	130	5 1/8	18	35	0.8	370	340						M8-M16	
PA3-65-1-400	73.0	2.875	16	17	130	5 1/8	24	40	1.1	650	590						M8-M16	
<b>PA3-65-2-400</b>	73.0	2.875	16	17	130	5 1/8	24	40	1.1	650	590						M8-M16	
PA3-65-0-490	73.0	2.875	12	15	140	5 1/2	18	40	1.1	390	390	390	390	270	190	150	M8-M16	
PA3-65-1-490	73.0	2.875	16	17	140	5 1/2	24	40	1.2	670	670	590	590	440	270	200	150	M8-M16
PA3-65-2-490	73.0	2.875	16	17	140	5 1/2	24	40	1.2	670	670	590	440	270	200	150	M8-M16	
PA3-65-0-530	73.0	2.875	12	15	140	5 1/2	18	40	1.1	390	390	390	390	270	190	150	M8-M16	
PA3-65-1-530	73.0	2.875	16	17	140	5 1/2	24	40	1.2	670	670	590	440	270	200	150	M8-M16	
PA3-65-2-530	73.0	2.875	16	17	140	5 1/2	24	50	2.3	800	800	800	800	800	740	550	M8-M16	
PA3-65-0-560	73.0	2.875	12	15	150	5 7/8	18	40	1.1	390	390	390	390	390	390	390	200	M8-M16
PA3-65-1-560	73.0	2.875	16	17	150	5 7/8	24	50	2.4	800	800	800	800	800	800	760	M8-M16	
PA3-65-2-560	73.0	2.875	16	17	150	5 7/8	24	50	2.4	800	800	800	800	800	800	760	M8-M16	
PA3-65-0-600	73.0	2.875	12	15	150	5 7/8	18	50	2.3	390	390	390	390	390	390	390	M8-M16	
PA3-65-1-600	73.0	2.875	16	17	150	5 7/8	24	50	2.4	800	800	800	800	800	800	760	M8-M16	
PA3-65-2-600	73.0	2.875	16	17	150	5 7/8	24	50	2.4	800	800	800	800	800	800	760	M8-M16	
PA3-80-0-400	88.9	3.5	12	15	150	5 7/8	18	35	0.9	340	310						M8-M16	
PA3-80-1-400	88.9	3.5	16	17	150	5 7/8	24	40	1.2	600	540						M8-M16	
<b>PA3-80-2-400</b>	88.9	3.5	16	17	150	5 7/8	24	40	1.2	600	540						M8-M16	
PA3-80-0-490	88.9	3.5	12	15	150	5 7/8	18	40	1.2	390	390	390	380	230	160	130	M8-M16	
PA3-80-1-490	88.9	3.5	16	17	150	5 7/8	24	40	1.2	620	620	540	380	230	170	130	M8-M16	
PA3-80-2-490	88.9	3.5	16	17	150	5 7/8	24	40	1.2	620	620	540	380	230	170	130	M8-M16	
PA3-80-0-530	88.9	3.5	12	15	150	5 7/8	18	40	1.2	390	390	390	380	230	160	130	M8-M16	
PA3-80-1-530	88.9	3.5	16	17	150	5 7/8	24	40	1.2	620	620	540	380	230	170	130	M8-M16	
PA3-80-2-530	88.9	3.5	16	17	150	5 7/8	24	50	2.5	800	800	800	800	800	570	440	M8-M16	
PA3-80-0-560	88.9	3.5	12	15	160	6 5/16	18	40	1.2	390	390	390	390	290	230	170	M8-M16	
PA3-80-1-560	88.9	3.5	16	17	160	6 5/16	24	50	2.6	800	800	800	800	800	770	600	M8-M16	
PA3-80-2-560	88.9	3.5	16	17	160	6 5/16	24	50	2.6	800	800	800	800	800	770	600	M8-M16	
PA3-80-0-600	88.9	3.5	12	15	160	6 5/16	18	50	2.5	390	390	390	390	390	390	390	M8-M16	
PA3-80-1-600	88.9	3.5	16	17	160	6 5/16	24	50	2.6	800	800	800	800	800	770	600	M8-M16	
PA3-80-2-600	88.9	3.5	16	17	160	6 5/16	24	50	2.6	800	800	800	800	800	770	600	M8-M16	
PA3-90-0-400	101.6	4	12	15	170	6 11/16	18	35	1.0	320	290						M8-M16	
PA3-90-1-400	101.6	4	16	17	170	6 11/16	24	40	1.4	490	450						M8-M16	
PA3-90-2-400	101.6	4	16	17	170	6 11/16	24	40	1.8	800	800						M8-M16	
PA3-90-0-490	101.6	4	12	15	180	7 1/16	18	40	1.3	390	390	390	310	180	130	110	M8-M16	
PA3-90-1-490	101.6	4	16	17	180	7 1/16	24	40	1.4	510	510	440	310	190	140	110	M8-M16	
PA3-90-2-490	101.6	4	16	17	180	7 1/16	24	50	2.8	800	800	800	800	730	530	410	M8-M16	
PA3-90-0-530	101.6	4	12	15	180	7 1/16	18	40	1.3	390	390	390	310	180	130	110	M8-M16	
PA3-90-1-530	101.6	4	16	17	180	7 1/16	24	50	2.8	800	800	800	800	730	530	410	M8-M16	
PA3-90-2-530	101.6	4	16	17	180	7 1/16	24	50	2.8	800	800	800	800	730	530	410	M8-M16	
PA3-90-0-560	101.6	4	12	15	180	7 1/16	18	40	1.3	390	390	390	330	230	190	140	M8-M16	
PA3-90-1-560	101.6	4	16	17	180	7 1/16	24	50	2.8	800	800	800	800	800	720	550	M8-M16	
PA3-90-2-560	101.6	4	16	17	180	7 1/16	24	50	2.8	800	800	800	800	800	720	550	M8-M16	
PA3-90-0-600	101.6	4	12	15	180	7 1/16	18	50	2.7	390	390	390	390	390	390	390	M8-M16	
PA3-90-1-600	101.6	4	16	17	180	7 1/16	24	50	2.8	800	800	800	800	800	720	550	M8-M16	
PA3-90-2-600	101.6	4	16	17	180	7 1/16	24	50	2.8	800	800	800	800	800	720	550	M8-M16	

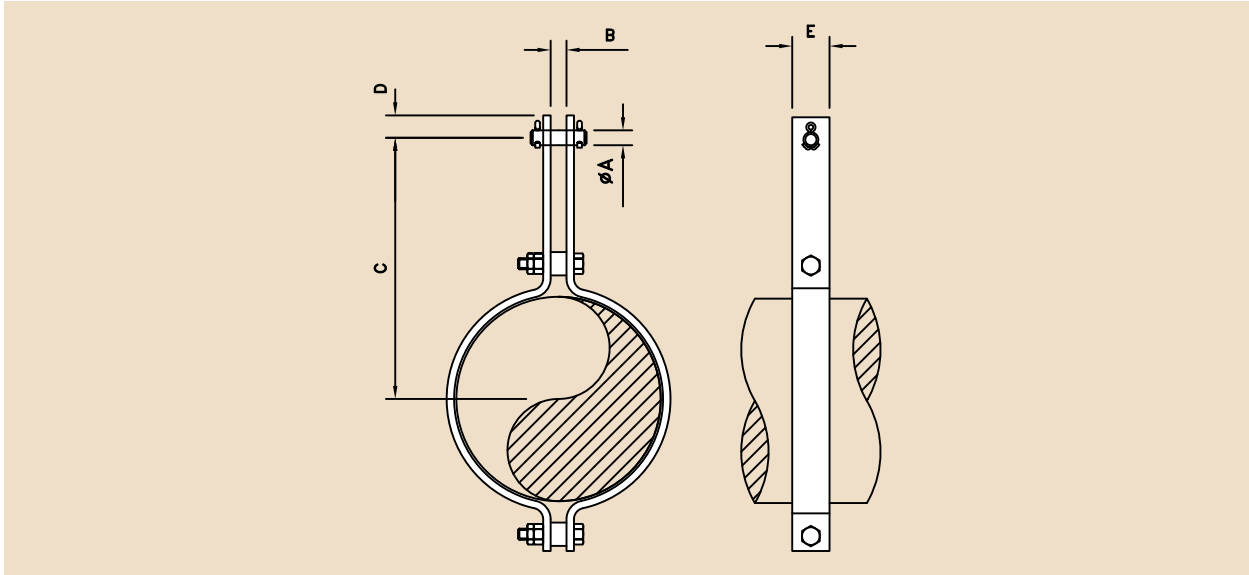
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in				mm	in	350	400	490	530	560		580
<b>PA3-100-0-400</b>	114.3	4.5	12	15	180	7 <sup>1</sup> / <sub>16</sub>	18	35	1.0	270	240							M8-M16
PA3-100-1-400	114.3	4.5	16	17	180	7 <sup>1</sup> / <sub>16</sub>	24	40	1.5	470	430							M8-M16
<b>PA3-100-2-400</b>	114.3	4.5	16	17	180	7 <sup>1</sup> / <sub>16</sub>	24	40	1.9	800	740							M8-M16
PA3-100-3-400	114.3	4.5	20	20	180	7 <sup>1</sup> / <sub>16</sub>	30	60	4.3	1170	1170							M12-M24
PA3-100-0-490	114.3	4.5	12	15	190	7 <sup>1</sup> / <sub>2</sub>	18	40	1.4	390	390	390	300	180	130	100		M8-M16
PA3-100-1-490	114.3	4.5	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	40	1.5	490	490	430	300	180	130	110		M8-M16
PA3-100-2-490	114.3	4.5	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	50	3.0	800	800	800	800	650	460	350		M8-M16
PA3-100-3-490	114.3	4.5	20	20	190	7 <sup>1</sup> / <sub>2</sub>	30	50	3.1	1320	1320	1320	1170	740	530	400		M12-M24
PA3-100-0-530	114.3	4.5	12	15	190	7 <sup>1</sup> / <sub>2</sub>	18	40	1.4	390	390	390	300	180	130	100		M8-M16
PA3-100-1-530	114.3	4.5	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	50	3.0	800	800	800	800	650	460	350		M8-M16
PA3-100-2-530	114.3	4.5	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	50	3.0	800	800	800	800	650	460	350		M8-M16
PA3-100-3-530	114.3	4.5	20	20	190	7 <sup>1</sup> / <sub>2</sub>	30	50	3.1	1320	1320	1320	1170	740	530	400		M12-M24
PA3-100-0-560	114.3	4.5	12	15	190	7 <sup>1</sup> / <sub>2</sub>	18	50	2.9	390	390	390	390	390	390	390		M8-M16
PA3-100-1-560	114.3	4.5	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	50	3.0	800	800	800	800	790	630	490		M8-M16
PA3-100-2-560	114.3	4.5	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	50	3.0	800	800	800	800	790	630	490		M8-M16
PA3-100-3-560	114.3	4.5	20	20	190	7 <sup>1</sup> / <sub>2</sub>	30	60	3.7	1320	1320	1320	1320	1070	850	660		M12-M24
PA3-100-0-600	114.3	4.5	12	15	190	7 <sup>1</sup> / <sub>2</sub>	18	50	2.9	390	390	390	390	390	390	390		M8-M16
PA3-100-1-600	114.3	4.5	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	50	3.0	800	800	800	800	790	630	490		M8-M16
PA3-100-2-600	114.3	4.5	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	60	3.6	800	800	800	800	800	750	580		M8-M16
PA3-100-3-600	114.3	4.5	20	20	190	7 <sup>1</sup> / <sub>2</sub>	30	70	5.1	1320	1320	1320	1320	1320	1320	1090		M12-M24
PA3-125-0-400	141.3	5.5625	12	15	190	7 <sup>1</sup> / <sub>2</sub>	18	35	1.1	260	230							M8-M16
PA3-125-1-400	141.3	5.5625	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	40	2.1	680	610							M8-M16
PA3-125-2-400	141.3	5.5625	16	17	190	7 <sup>1</sup> / <sub>2</sub>	24	40	2.1	680	610							M8-M16
PA3-125-3-400	141.3	5.5625	20	20	190	7 <sup>1</sup> / <sub>2</sub>	30	60	4.7	1030	1030							M12-M24
PA3-125-0-490	141.3	5.5625	12	15	200	7 <sup>7</sup> / <sub>8</sub>	18	40	1.6	390	390	350	240	150	110	90		M8-M16
PA3-125-1-490	141.3	5.5625	16	17	200	7 <sup>7</sup> / <sub>8</sub>	24	50	3.3	800	800	800	800	590	420	330		M8-M16
PA3-125-2-490	141.3	5.5625	16	17	200	7 <sup>7</sup> / <sub>8</sub>	24	50	3.3	800	800	800	800	590	420	330		M8-M16
PA3-125-3-490	141.3	5.5625	20	20	200	7 <sup>7</sup> / <sub>8</sub>	30	50	3.4	1320	1320	1310	960	600	430	330		M12-M24
PA3-125-0-530	141.3	5.5625	12	15	200	7 <sup>7</sup> / <sub>8</sub>	18	40	1.6	390	390	350	240	150	110	90		M8-M16
PA3-125-1-530	141.3	5.5625	16	17	200	7 <sup>7</sup> / <sub>8</sub>	24	50	3.3	800	800	800	800	590	420	330		M8-M16
PA3-125-2-530	141.3	5.5625	16	17	200	7 <sup>7</sup> / <sub>8</sub>	24	50	3.3	800	800	800	800	590	420	330		M8-M16
PA3-125-3-530	141.3	5.5625	20	20	200	7 <sup>7</sup> / <sub>8</sub>	30	60	4.0	1320	1320	1320	1160	720	520	400		M12-M24
PA3-125-0-560	141.3	5.5625	12	15	210	8 <sup>1</sup> / <sub>4</sub>	18	50	3.3	390	390	390	390	390	390	390		M8-M16
PA3-125-1-560	141.3	5.5625	16	17	210	8 <sup>1</sup> / <sub>4</sub>	24	50	3.4	800	800	800	800	720	580	450		M8-M16
PA3-125-2-560	141.3	5.5625	16	17	210	8 <sup>1</sup> / <sub>4</sub>	24	50	3.4	800	800	800	800	720	580	450		M8-M16
PA3-125-3-560	141.3	5.5625	20	20	210	8 <sup>1</sup> / <sub>4</sub>	30	70	5.7	1320	1320	1320	1320	1320	1160	900		M12-M24
PA3-125-0-600	141.3	5.5625	12	15	210	8 <sup>1</sup> / <sub>4</sub>	18	50	3.3	390	390	390	390	390	390	390		M8-M16
PA3-125-1-600	141.3	5.5625	16	17	210	8 <sup>1</sup> / <sub>4</sub>	24	50	3.4	800	800	800	800	720	580	450		M8-M16
PA3-125-2-600	141.3	5.5625	16	17	210	8 <sup>1</sup> / <sub>4</sub>	24	60	4.0	800	800	800	800	800	690	530		M8-M16
PA3-125-3-600	141.3	5.5625	20	20	210	8 <sup>1</sup> / <sub>4</sub>	30	80	6.5	1320	1320	1320	1320	1320	1270	1030		M12-M24

# PA3 PIPE CLAMP THREE BOLT TYPE

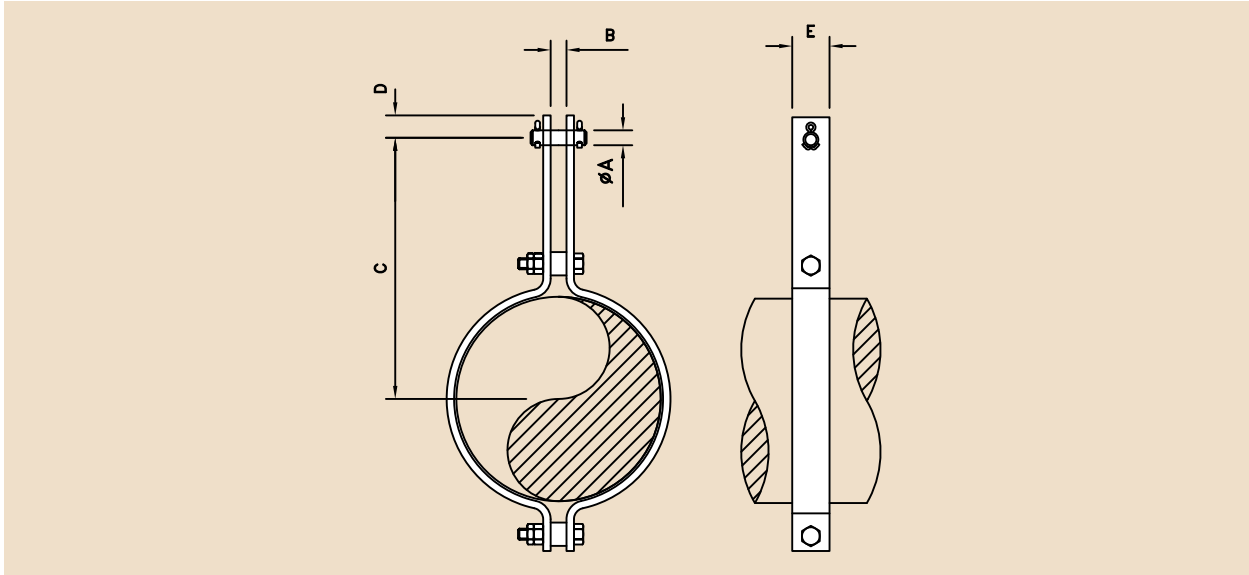


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	mm				mm	in	350	400	490	530	560	
<b>PA3-150-0-400</b>	168.3	6.625	12	15	210	8 <sup>1</sup> / <sub>4</sub>	18	40	1.7	340	300						M8-M16
PA3-150-1-400	168.3	6.625	16	17	210	8 <sup>1</sup> / <sub>4</sub>	24	40	2.4	590	530						M8-M16
<b>PA3-150-2-400</b>	168.3	6.625	16	17	210	8 <sup>1</sup> / <sub>4</sub>	24	40	2.4	590	530						M8-M16
PA3-150-3-400	168.3	6.625	20	20	210	8 <sup>1</sup> / <sub>4</sub>	30	60	5.5	1320	1320						M12-M24
<b>PA3-150-4-400</b>	168.3	6.625	24	25	210	8 <sup>1</sup> / <sub>4</sub>	36	60	5.6	1830	1790						M12-M36
PA3-150-0-490	168.3	6.625	12	15	220	8 <sup>11</sup> / <sub>16</sub>	18	40	1.8	350	350	300	220	130	90	80	M8-M16
PA3-150-1-490	168.3	6.625	16	17	220	8 <sup>11</sup> / <sub>16</sub>	24	50	3.7	800	800	800	800	530	380	290	M8-M16
PA3-150-2-490	168.3	6.625	16	17	220	8 <sup>11</sup> / <sub>16</sub>	24	50	3.7	800	800	800	800	530	380	290	M8-M16
PA3-150-3-490	168.3	6.625	20	20	220	8 <sup>11</sup> / <sub>16</sub>	30	50	3.8	1300	1300	1150	850	530	380	290	M12-M24
PA3-150-4-490	168.3	6.625	24	25	220	8 <sup>11</sup> / <sub>16</sub>	36	70	6.4	1590	1590	1590	1540	1090	780	580	M12-M36
<b>PA3-150-0-530</b>	168.3	6.625	12	15	220	8 <sup>11</sup> / <sub>16</sub>	18	50	3.6	900	390	390	390	390	370	280	M8-M16
PA3-150-1-530	168.3	6.625	16	17	220	8 <sup>11</sup> / <sub>16</sub>	24	50	3.7	800	800	800	800	530	380	290	M8-M16
PA3-150-2-530	168.3	6.625	16	17	220	8 <sup>11</sup> / <sub>16</sub>	24	50	3.7	800	800	800	800	530	380	290	M8-M16
PA3-150-3-530	168.3	6.625	20	20	220	8 <sup>11</sup> / <sub>16</sub>	30	60	4.5	1320	1320	1320	1020	640	460	350	M12-M24
PA3-150-4-530	168.3	6.625	24	25	220	8 <sup>11</sup> / <sub>16</sub>	36	80	7.5	1830	1830	1830	1800	1140	810	610	M12-M36
PA3-150-0-560	168.3	6.625	12	15	240	9 <sup>7</sup> / <sub>16</sub>	18	50	3.8	390	390	390	390	390	390	390	M8-M16
<b>PA3-150-1-560</b>	168.3	6.625	16	17	240	9 <sup>7</sup> / <sub>16</sub>	24	50	3.8	800	800	800	800	640	510	390	M8-M16
PA3-150-2-560	168.3	6.625	16	17	240	9 <sup>7</sup> / <sub>16</sub>	24	50	3.8	800	800	800	800	640	510	390	M8-M16
PA3-150-3-560	168.3	6.625	20	20	240	9 <sup>7</sup> / <sub>16</sub>	30	70	6.5	1320	1320	1320	1320	1280	1020	790	M12-M24
PA3-150-4-560	168.3	6.625	24	25	240	9 <sup>7</sup> / <sub>16</sub>	36	80	9.7	1830	1830	1830	1830	1830	1750	1370	M12-M36
PA3-150-0-600	168.3	6.625	12	15	240	9 <sup>7</sup> / <sub>16</sub>	18	50	3.8	390	390	390	390	390	390	390	M8-M16
PA3-150-1-600	168.3	6.625	16	17	240	9 <sup>7</sup> / <sub>16</sub>	24	50	3.8	800	800	800	800	640	510	390	M8-M16
PA3-150-2-600	168.3	6.625	16	17	240	9 <sup>7</sup> / <sub>16</sub>	24	70	6.4	800	800	800	800	800	800	780	M8-M16
PA3-150-3-600	168.3	6.625	20	20	240	9 <sup>7</sup> / <sub>16</sub>	30	80	9.2	1320	1320	1320	1320	1320	1320	1150	M12-M24
PA3-150-4-600	168.3	6.625	24	25	240	9 <sup>7</sup> / <sub>16</sub>	36	100	12.0	1830	1830	1830	1830	1830	1830	1710	M12-M36
PA3-175-0-400	193.7	7.625	12	15	250	9 <sup>13</sup> / <sub>16</sub>	18	40	2.0	330	300						M8-M16
PA3-175-1-400	193.7	7.625	16	17	250	9 <sup>13</sup> / <sub>16</sub>	24	40	2.7	570	520						M8-M16
PA3-175-2-400	193.7	7.625	16	17	250	9 <sup>13</sup> / <sub>16</sub>	24	45	3.7	770	770						M8-M16
PA3-175-3-400	193.7	7.625	20	20	250	9 <sup>13</sup> / <sub>16</sub>	30	60	6.2	1320	1320						M12-M24
PA3-175-4-400	193.7	7.625	24	25	250	9 <sup>13</sup> / <sub>16</sub>	36	60	6.3	1640	1640						M12-M36
PA3-175-5-400	193.7	7.625	30	29	250	9 <sup>13</sup> / <sub>16</sub>	45	90	16.3	3050	3050						M12-M36
PA3-175-0-490	193.7	7.625	12	15	260	10 <sup>1</sup> / <sub>4</sub>	18	40	2.0	340	340	300	210	130	90	70	M8-M16
PA3-175-1-490	193.7	7.625	16	17	260	10 <sup>1</sup> / <sub>4</sub>	24	50	4.2	800	800	800	740	460	330	250	M8-M16
PA3-175-2-490	193.7	7.625	16	17	260	10 <sup>1</sup> / <sub>4</sub>	24	50	4.2	800	800	800	740	460	330	250	M8-M16
PA3-175-3-490	193.7	7.625	20	20	260	10 <sup>1</sup> / <sub>4</sub>	30	60	5.1	1320	1320	1200	900	560	400	310	M12-M24
PA3-175-4-490	193.7	7.625	24	25	260	10 <sup>1</sup> / <sub>4</sub>	36	70	7.4	1830	1830	1830	1520	970	690	510	M12-M36
PA3-175-5-490	193.7	7.625	30	29	260	10 <sup>1</sup> / <sub>4</sub>	45	80	8.7	2590	2590	2320	1760	1120	800	590	M12-M36
PA3-175-0-530	193.7	7.625	12	15	260	10 <sup>1</sup> / <sub>4</sub>	18	50	4.1	390	390	390	390	390	390	340	M8-M16
PA3-175-1-530	193.7	7.625	16	17	260	10 <sup>1</sup> / <sub>4</sub>	24	50	4.2	800	800	800	740	460	330	250	M8-M16
PA3-175-2-530	193.7	7.625	16	17	260	10 <sup>1</sup> / <sub>4</sub>	24	50	4.2	800	800	800	740	460	330	250	M8-M16
PA3-175-3-530	193.7	7.625	20	20	260	10 <sup>1</sup> / <sub>4</sub>	30	70	7.2	1320	1320	1320	1320	950	680	500	M12-M24
PA3-175-4-530	193.7	7.625	24	25	260	10 <sup>1</sup> / <sub>4</sub>	36	80	8.4	1830	1830	1830	1730	1110	790	590	M12-M36
PA3-175-5-530	193.7	7.625	30	29	260	10 <sup>1</sup> / <sub>4</sub>	45	80	10.8	3000	3000	3000	2830	1850	1300	940	M12-M36
PA3-175-0-560	193.7	7.625	12	15	260	10 <sup>1</sup> / <sub>4</sub>	18	50	4.1	390	390	390	390	390	390	340	M8-M16
PA3-175-1-560	193.7	7.625	16	17	260	10 <sup>1</sup> / <sub>4</sub>	24	50	4.2	800	800	800	770	560	450	350	M8-M16
PA3-175-2-560	193.7	7.625	16	17	260	10 <sup>1</sup> / <sub>4</sub>	24	50	4.2	800	800	800	770	560	450	350	M8-M16
PA3-175-3-560	193.7	7.625	20	20	260	10 <sup>1</sup> / <sub>4</sub>	30	70	7.2	1320	1320	1320	1320	1130	900	700	M12-M24
PA3-175-4-560	193.7	7.625	24	25	260	10 <sup>1</sup> / <sub>4</sub>	36	80	10.5	1830	1830	1830	1830	1830	1680	1320	M12-M36
PA3-175-5-560	193.7	7.625	30	29	260	10 <sup>1</sup> / <sub>4</sub>	45	100	13.4	3000	3000	3000	3000	2690	2130	1670	M12-M36
PA3-175-0-600	193.7	7.625	12	15	260	10 <sup>1</sup> / <sub>4</sub>	18	50	4.1	390	390	390	390	390	390	340	M8-M16
PA3-175-1-600	193.7	7.625	16	17	260	10 <sup>1</sup> / <sub>4</sub>	24	60	5.0	800	800	800	800	670	540	420	M8-M16
PA3-175-2-600	193.7	7.625	16	17	260	10 <sup>1</sup> / <sub>4</sub>	24	70	7.0	800	800	800	800	800	800	690	M8-M16
PA3-175-3-600	193.7	7.625	20	20	260	10 <sup>1</sup> / <sub>4</sub>	30	80	10.2	1320	1320	1320	1320	1320	1280	1110	M12-M24
PA3-175-4-600	193.7	7.625	24	25	260	10 <sup>1</sup> / <sub>4</sub>	36	100	13.0	1830	1830	1830	1830	1830	1830	1650	M12-M36
PA3-175-5-600	193.7	7.625	30	29	260	10 <sup>1</sup> / <sub>4</sub>	45	100	17.9	3050	3050	3050	3050	3050	3050	2880	M12-M36



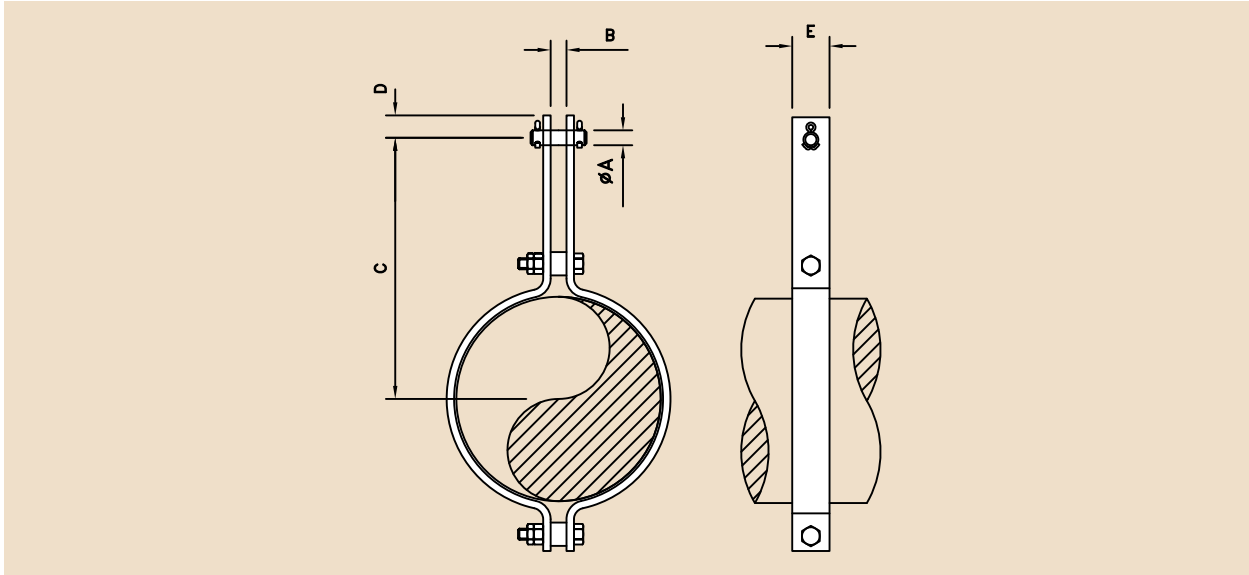
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	mm				mm	in	mm	mm	kgf	350	400	
PA3-200-0-400	219.1	8.625	12	15	280	11	18	40	2.2	290	260						M8-M16
<b>PA3-200-1-400</b>	219.1	8.625	16	17	280	11	24	40	3.0	510	460						M8-M16
PA3-200-2-400	219.1	8.625	16	17	280	11	24	45	4.2	730	730						M8-M16
<b>PA3-200-3-400</b>	219.1	8.625	20	20	280	11	30	60	6.9	1320	1320						M12-M24
PA3-200-4-400	219.1	8.625	24	25	280	11	36	65	12.8	1830	1830						M12-M36
PA3-200-5-400	219.1	8.625	30	29	280	11	45	90	17.9	3050	3050						M12-M36
PA3-200-6-400	219.1	8.625	36	41	280	11	54	90	18.8	3810	3810						M20-M64
PA3-200-0-490	219.1	8.625	12	15	290	11 <sup>7/16</sup>	18	40	2.2	300	300	260	190	120	80	70	M8-M16
PA3-200-1-490	219.1	8.625	16	17	290	11 <sup>7/16</sup>	24	50	4.7	800	800	800	660	420	300	220	M8-M16
PA3-200-2-490	219.1	8.625	16	17	290	11 <sup>7/16</sup>	24	50	4.7	800	800	800	660	420	300	220	M8-M16
PA3-200-3-490	219.1	8.625	20	20	290	11 <sup>7/16</sup>	30	60	5.7	1200	1200	1060	800	500	360	270	M12-M24
PA3-200-4-490	219.1	8.625	24	25	290	11 <sup>7/16</sup>	36	70	8.2	1830	1830	1780	1360	870	620	460	M12-M36
PA3-200-5-490	219.1	8.625	30	29	290	11 <sup>7/16</sup>	45	80	11.9	2800	2800	2800	2540	1660	1170	850	M12-M36
PA3-200-6-490	219.1	8.625	36	41	290	11 <sup>7/16</sup>	54	100	15.5	3810	3810	3810	3280	2150	1510	1090	M20-M64
PA3-200-0-530	219.1	8.625	12	15	290	11 <sup>7/16</sup>	18	50	4.6	390	390	390	390	390	290	220	M8-M16
PA3-200-1-530	219.1	8.625	16	17	290	11 <sup>7/16</sup>	24	50	4.7	800	800	800	660	420	300	220	M8-M16
PA3-200-2-530	219.1	8.625	16	17	290	11 <sup>7/16</sup>	24	50	4.7	800	800	800	660	420	300	220	M8-M16
PA3-200-3-530	219.1	8.625	20	20	290	11 <sup>7/16</sup>	30	70	7.9	1240	1240	1240	1200	950	670	500	M12-M24
PA3-200-4-530	219.1	8.625	24	25	290	11 <sup>7/16</sup>	36	80	11.6	1830	1830	1830	1830	1640	1160	840	M12-M36
PA3-200-5-530	219.1	8.625	30	29	290	11 <sup>7/16</sup>	45	80	11.9	2800	2800	2800	2540	1660	1170	850	M12-M36
PA3-200-6-530	219.1	8.625	36	41	290	11 <sup>7/16</sup>	54	100	20.5	3810	3810	3810	3810	3810	2780	1990	M20-M64
PA3-200-0-560	219.1	8.625	12	15	290	11 <sup>7/16</sup>	18	50	4.6	390	390	390	390	390	390	310	M8-M16
PA3-200-1-560	219.1	8.625	16	17	290	11 <sup>7/16</sup>	24	50	4.7	800	800	800	690	500	400	310	M8-M16
PA3-200-2-560	219.1	8.625	16	17	290	11 <sup>7/16</sup>	24	60	5.6	800	800	800	800	600	480	370	M8-M16
PA3-200-3-560	219.1	8.625	20	20	290	11 <sup>7/16</sup>	30	70	7.9	1240	1240	1240	1200	1080	890	700	M12-M24
PA3-200-4-560	219.1	8.625	24	25	290	11 <sup>7/16</sup>	36	80	11.6	1830	1830	1830	1830	1830	1510	1190	M12-M36
PA3-200-5-560	219.1	8.625	30	29	290	11 <sup>7/16</sup>	45	100	14.8	2800	2800	2800	2800	2410	1910	1500	M12-M36
PA3-200-6-560	219.1	8.625	36	41	290	11 <sup>7/16</sup>	54	100	20.5	3810	3810	3810	3810	3810	3550	2820	M20-M64
PA3-200-0-600	219.1	8.625	12	15	290	11 <sup>7/16</sup>	18	50	4.6	390	390	390	390	390	390	310	M8-M16
PA3-200-1-600	219.1	8.625	16	17	290	11 <sup>7/16</sup>	24	60	5.6	800	800	800	800	600	480	370	M8-M16
PA3-200-2-600	219.1	8.625	16	17	290	11 <sup>7/16</sup>	24	70	7.8	800	800	800	800	800	800	620	M8-M16
PA3-200-3-600	219.1	8.625	20	20	290	11 <sup>7/16</sup>	30	80	11.3	1320	1320	1320	1320	1320	1230	1080	M12-M24
PA3-200-4-600	219.1	8.625	24	25	290	11 <sup>7/16</sup>	36	100	19.3	1830	1830	1830	1830	1830	1830	1830	M12-M36
PA3-200-5-600	219.1	8.625	30	29	290	11 <sup>7/16</sup>	45	100	19.7	3050	3050	3050	3050	3050	2960	2730	M12-M36
PA3-200-6-600	219.1	8.625	36	41	290	11 <sup>7/16</sup>	54	90	23.1	3810	3810	3810	3810	3810	3810	3810	M20-M64

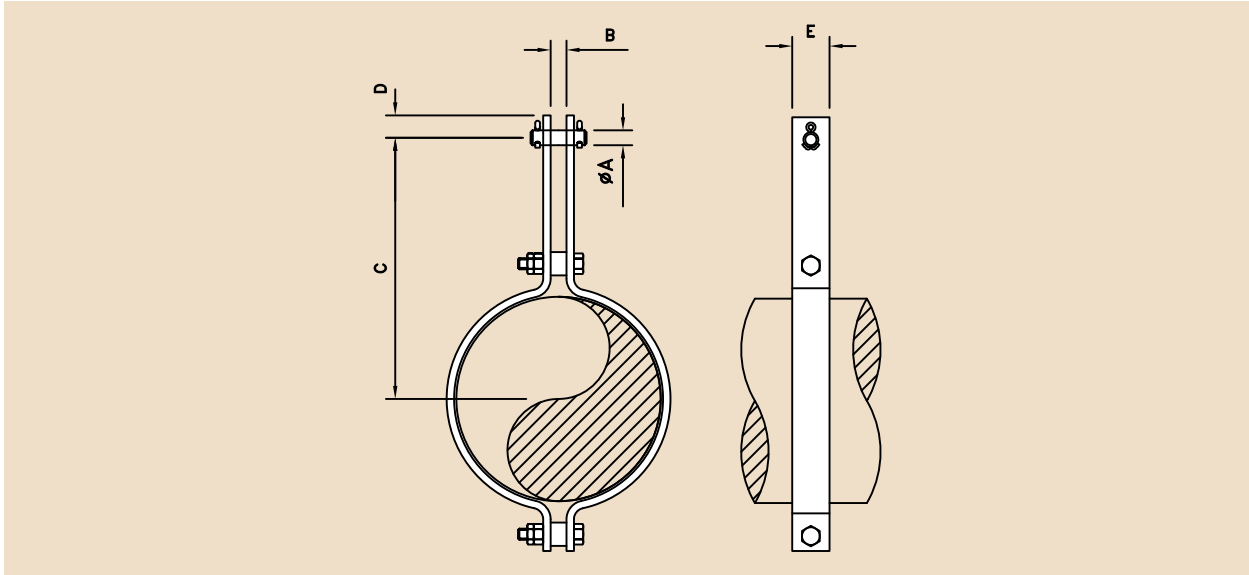
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-225-0-400	244.5	9.625	12	15	290	11 7/16	18	40	2.3	290	260						M8-M16
PA3-225-1-400	244.5	9.625	16	17	290	11 7/16	24	40	3.1	500	450						M8-M16
PA3-225-2-400	244.5	9.625	16	17	290	11 7/16	24	45	4.4	660	660						M8-M16
PA3-225-3-400	244.5	9.625	20	20	290	11 7/16	30	60	7.3	1320	1320						M12-M24
PA3-225-4-400	244.5	9.625	24	25	290	11 7/16	36	65	13.2	1730	1730						M12-M36
PA3-225-5-400	244.5	9.625	30	29	290	11 7/16	45	90	18.8	2770	2770						M12-M36
PA3-225-6-400	244.5	9.625	36	41	290	11 7/16	54	90	19.8	3810	3810						M20-M64
PA3-225-0-490	244.5	9.625	12	15	300	11 13/16	18	40	2.4	300	300	260	180	110	80	60	M8-M16
PA3-225-1-490	244.5	9.625	16	17	300	11 13/16	24	50	4.9	800	800	800	630	400	280	220	M8-M16
PA3-225-2-490	244.5	9.625	16	17	300	11 13/16	24	50	4.9	800	800	800	630	400	280	220	M8-M16
PA3-225-3-490	244.5	9.625	20	20	300	11 13/16	30	60	6.0	1130	1130	1040	770	480	340	260	M12-M24
PA3-225-4-490	244.5	9.625	24	25	300	11 13/16	36	80	9.9	1830	1830	1790	1350	860	610	460	M12-M36
PA3-225-5-490	244.5	9.625	30	29	300	11 13/16	45	80	12.7	2690	2690	2690	2220	1440	1020	740	M12-M36
PA3-225-6-490	244.5	9.625	36	41	300	11 13/16	54	100	16.4	3810	3810	3700	2870	1860	1320	960	M20-M64
PA3-225-0-530	244.5	9.625	12	15	300	11 13/16	18	50	4.9	390	390	390	390	390	280	210	M8-M16
PA3-225-1-530	244.5	9.625	16	17	300	11 13/16	24	50	4.9	800	800	800	630	400	280	220	M8-M16
PA3-225-2-530	244.5	9.625	16	17	300	11 13/16	24	50	4.9	800	800	800	630	400	280	220	M8-M16
PA3-225-3-530	244.5	9.625	20	20	300	11 13/16	30	70	8.4	1210	1210	1210	1180	810	580	430	M12-M24
PA3-225-4-530	244.5	9.625	24	25	300	11 13/16	36	80	12.3	1830	1830	1830	1830	1430	1010	740	M12-M36
PA3-225-5-530	244.5	9.625	30	29	300	11 13/16	45	100	15.7	2690	2690	2690	2690	1800	1270	930	M12-M36
PA3-225-6-530	244.5	9.625	36	41	300	11 13/16	54	100	21.6	3810	3810	3810	3810	3500	2450	1740	M20-M64
PA3-225-0-560	244.5	9.625	12	15	300	11 13/16	18	50	4.9	390	390	390	390	390	380	290	M8-M16
PA3-225-1-560	244.5	9.625	16	17	300	11 13/16	24	50	4.9	800	800	800	660	480	380	300	M8-M16
PA3-225-2-560	244.5	9.625	16	17	300	11 13/16	24	60	5.9	800	800	800	800	580	460	360	M8-M16
PA3-225-3-560	244.5	9.625	20	20	300	11 13/16	30	80	9.5	1210	1210	1210	1180	1070	880	690	M12-M24
PA3-225-4-560	244.5	9.625	24	25	300	11 13/16	36	80	12.3	1830	1830	1830	1830	1670	1330	1040	M12-M36
PA3-225-5-560	244.5	9.625	30	29	300	11 13/16	45	100	20.9	2960	2960	2960	2960	2960	2860	2410	M12-M36
PA3-225-6-560	244.5	9.625	36	41	300	11 13/16	54	100	21.6	3810	3810	3810	3810	3810	3140	2490	M20-M64
PA3-225-0-600	244.5	9.625	12	15	300	11 13/16	18	50	4.9	390	390	390	390	390	380	290	M8-M16
PA3-225-1-600	244.5	9.625	16	17	300	11 13/16	24	70	8.2	800	800	800	800	800	760	590	M8-M16
PA3-225-2-600	244.5	9.625	16	17	300	11 13/16	24	70	8.2	800	800	800	800	800	760	590	M8-M16
PA3-225-3-600	244.5	9.625	20	20	300	11 13/16	30	80	12.2	1320	1320	1320	1320	1320	1310	1020	M12-M24
PA3-225-4-600	244.5	9.625	24	25	300	11 13/16	36	100	20.5	1830	1830	1830	1830	1830	1830	1830	M12-M36
PA3-225-5-600	244.5	9.625	30	29	300	11 13/16	45	100	20.9	2960	2960	2960	2960	2960	2860	2410	M12-M36
PA3-225-6-600	244.5	9.625	36	41	300	11 13/16	54	100	27.0	3810	3810	3810	3810	3810	3810	3810	M20-M64

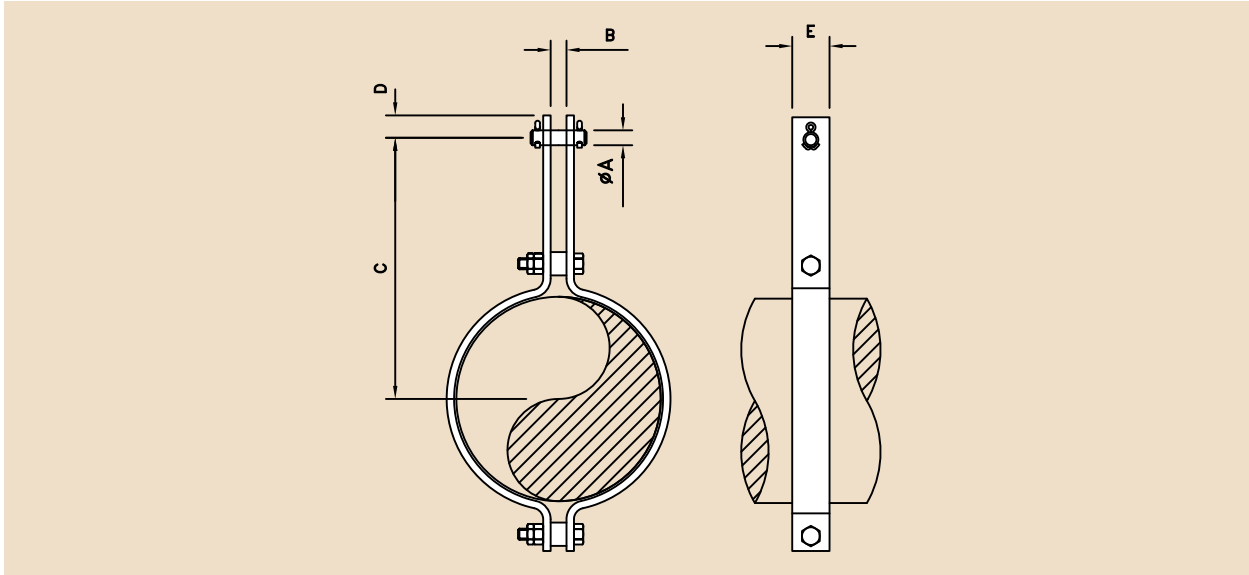
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	mm	kgf	350	400	490	530	
PA3-250-0-400	273	10.75	12	15	320	12 <sup>5</sup> / <sub>8</sub>	18	40	3.4	390	390						M8-M16
PA3-250-1-400	273	10.75	16	17	320	12 <sup>5</sup> / <sub>8</sub>	24	40	3.5	460	420						M8-M16
<b>PA3-250-2-400</b>	273	10.75	16	17	320	12 <sup>5</sup> / <sub>8</sub>	24	45	4.8	620	620						M8-M16
PA3-250-3-400	273	10.75	20	20	320	12 <sup>5</sup> / <sub>8</sub>	30	60	8.0	1320	1240						M12-M24
<b>PA3-250-4-400</b>	273	10.75	24	25	320	12 <sup>5</sup> / <sub>8</sub>	36	65	14.5	1590	1590						M12-M36
PA3-250-5-400	273	10.75	30	29	320	12 <sup>5</sup> / <sub>8</sub>	45	90	20.7	2670	2670						M12-M36
PA3-250-6-400	273	10.75	36	41	320	12 <sup>5</sup> / <sub>8</sub>	54	90	21.5	3810	3810						M20-M64
PA3-250-7-400	273	10.75	42	45	320	12 <sup>5</sup> / <sub>8</sub>	63	110	27.6	5470	5470						M30-M64
PA3-250-0-490	273	10.75	12	15	330	13	18	50	5.3	390	390	390	390	380	270	200	M8-M16
PA3-250-1-490	273	10.75	16	17	330	13	24	50	5.4	800	800	800	600	380	270	200	M8-M16
PA3-250-2-490	273	10.75	16	17	330	13	24	50	5.4	800	800	800	600	380	270	200	M8-M16
PA3-250-3-490	273	10.75	20	20	330	13	30	70	9.2	1120	1120	1120	1100	780	550	410	M12-M24
PA3-250-4-490	273	10.75	24	25	330	13	36	80	10.8	1830	1830	1670	1280	820	580	430	M12-M36
PA3-250-5-490	273	10.75	30	29	330	13	45	80	13.8	2480	2480	2480	2100	1380	970	700	M12-M36
PA3-250-6-490	273	10.75	36	41	330	13	54	100	23.5	3810	3810	3810	3810	3330	2320	1660	M20-M64
PA3-250-7-490	273	10.75	42	45	330	13	63	110	27.0	5470	5470	5470	5140	3480	2420	1730	M30-M64
PA3-250-0-530	273	10.75	12	15	330	13	18	50	5.3	390	390	390	390	380	270	200	M8-M16
PA3-250-1-530	273	10.75	16	17	330	13	24	50	5.4	800	800	800	600	380	270	200	M8-M16
PA3-250-2-530	273	10.75	16	17	330	13	24	50	5.4	800	800	800	600	380	270	200	M8-M16
PA3-250-3-530	273	10.75	20	20	330	13	30	70	9.2	1120	1120	1120	1100	780	550	410	M12-M24
PA3-250-4-530	273	10.75	24	25	330	13	36	80	13.5	1830	1830	1830	1830	1360	960	690	M12-M36
PA3-250-5-530	273	10.75	30	29	330	13	45	100	17.1	2480	2480	2480	2480	1720	1210	880	M12-M36
PA3-250-6-530	273	10.75	36	41	330	13	54	100	23.5	3810	3810	3810	3810	3330	2320	1660	M20-M64
PA3-250-7-530	273	10.75	42	45	330	13	63	110	33.4	5470	5470	5470	5470	5470	4260	3070	M30-M64
PA3-250-0-560	273	10.75	12	15	330	13	18	50	5.3	390	390	390	390	390	360	280	M8-M16
PA3-250-1-560	273	10.75	16	17	330	13	24	50	5.4	800	800	800	630	460	360	280	M8-M16
PA3-250-2-560	273	10.75	16	17	330	13	24	60	6.5	800	800	800	750	550	440	340	M8-M16
PA3-250-3-560	273	10.75	20	20	330	13	30	80	13.3	1320	1320	1320	1320	1320	1240	970	M12-M24
PA3-250-4-560	273	10.75	24	25	330	13	36	100	16.8	1830	1830	1830	1830	1830	1570	1230	M12-M36
PA3-250-5-560	273	10.75	30	29	330	13	45	100	22.8	2720	2720	2720	2720	2720	2640	2290	M12-M36
PA3-250-6-560	273	10.75	36	41	330	13	54	100	23.5	3810	3810	3810	3810	3750	2960	2350	M20-M64
PA3-250-7-560	273	10.75	42	45	330	13	63	110	33.4	5470	5470	5470	5470	5470	5260	4200	M30-M64
PA3-250-0-600	273	10.75	12	15	330	13	18	50	5.3	390	390	390	390	390	360	280	M8-M16
PA3-250-1-600	273	10.75	16	17	330	13	24	70	9.1	800	800	800	800	800	730	570	M8-M16
PA3-250-2-600	273	10.75	16	17	330	13	24	70	9.1	800	800	800	800	800	730	570	M8-M16
PA3-250-3-600	273	10.75	20	20	330	13	30	100	16.6	1320	1320	1320	1320	1320	1320	1210	M12-M24
PA3-250-4-600	273	10.75	24	25	330	13	36	100	22.4	1830	1830	1830	1830	1830	1830	1830	M12-M36
PA3-250-5-600	273	10.75	30	29	330	13	45	100	22.8	2720	2720	2720	2720	2720	2640	2290	M12-M36
PA3-250-6-600	273	10.75	36	41	330	13	54	100	29.4	3810	3810	3810	3810	3810	3810	3790	M20-M64
PA3-250-7-600	273	10.75	42	45	330	13	63	110	40.1	5470	5470	5470	5470	5470	5470	5470	M30-M64

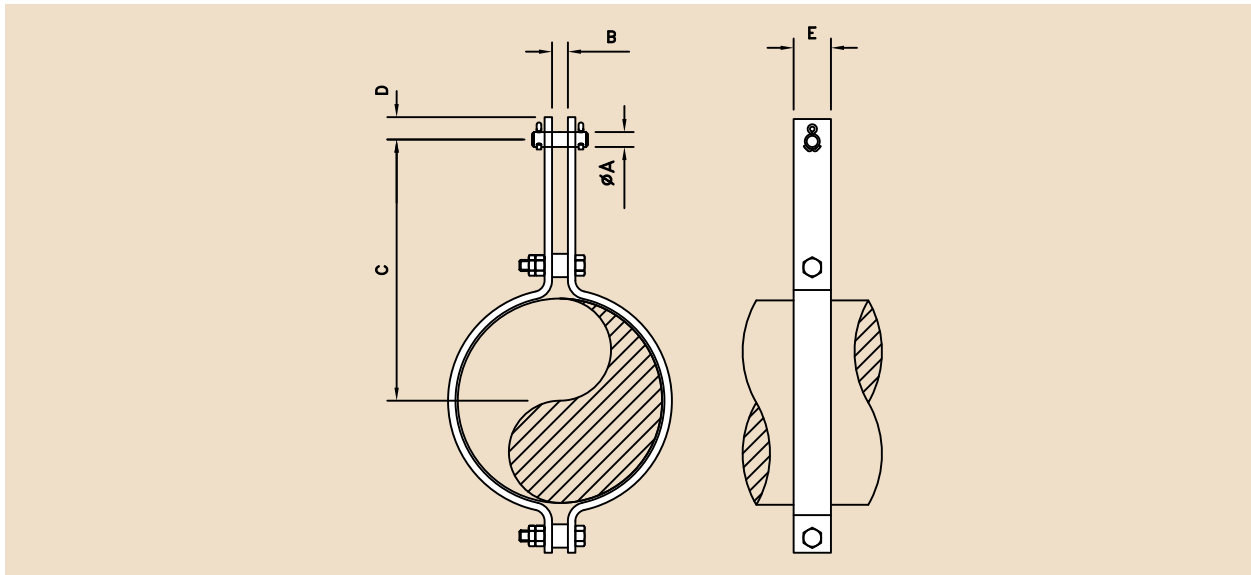
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-300-1-400	323.9	12.75	16	17	350	13 <sup>3</sup> / <sub>4</sub>	24	45	5.5	590	590						M8-M16
PA3-300-2-400	323.9	12.75	16	17	350	13 <sup>3</sup> / <sub>4</sub>	24	45	5.5	590	590						M8-M16
<b>PA3-300-3-400</b>	323.9	12.75	20	20	350	13 <sup>3</sup> / <sub>4</sub>	30	60	8.9	1180	1130						M12-M24
<b>PA3-300-4-400</b>	323.9	12.75	24	25	350	13 <sup>3</sup> / <sub>4</sub>	36	65	16.5	1830	1830						M12-M36
PA3-300-5-400	323.9	12.75	30	29	350	13 <sup>3</sup> / <sub>4</sub>	45	90	23.0	2340	2340						M12-M36
PA3-300-6-400	323.9	12.75	36	41	350	13 <sup>3</sup> / <sub>4</sub>	54	90	24.8	3810	3810						M20-M64
PA3-300-7-400	323.9	12.75	42	45	360	14 <sup>3</sup> / <sub>16</sub>	63	110	38.1	5470	5470						M30-M64
PA3-300-8-400	323.9	12.75	48	52	370	14 <sup>9</sup> / <sub>16</sub>	72	130	47.4	9820	9410						M42-M80
PA3-300-1-490	323.9	12.75	16	17	370	14 <sup>9</sup> / <sub>16</sub>	24	50	6.2	740	740	660	500	320	230	170	M8-M16
PA3-300-2-490	323.9	12.75	16	17	370	14 <sup>9</sup> / <sub>16</sub>	24	50	6.2	740	740	660	500	320	230	170	M8-M16
PA3-300-3-490	323.9	12.75	20	20	370	14 <sup>9</sup> / <sub>16</sub>	30	70	10.6	1320	1320	1320	1020	660	470	340	M12-M24
PA3-300-4-490	323.9	12.75	24	25	370	14 <sup>9</sup> / <sub>16</sub>	36	80	15.2	1830	1830	1830	1830	1270	890	640	M12-M36
PA3-300-5-490	323.9	12.75	30	29	370	14 <sup>9</sup> / <sub>16</sub>	45	100	19.7	3050	3050	2830	2240	1480	1040	740	M12-M36
PA3-300-6-490	323.9	12.75	36	41	370	14 <sup>9</sup> / <sub>16</sub>	54	100	26.6	3810	3810	3810	3810	2880	2000	1440	M20-M64
PA3-300-7-490	323.9	12.75	42	45	370	14 <sup>9</sup> / <sub>16</sub>	63	110	30.2	5470	5470	5470	4700	3200	2220	1600	M30-M64
PA3-300-8-490	323.9	12.75	48	52	370	14 <sup>9</sup> / <sub>16</sub>	72	120	42.8	9770	9770	9210	7760	5520	3930	2820	M42-M80
PA3-300-1-530	323.9	12.75	16	17	370	14 <sup>9</sup> / <sub>16</sub>	24	50	6.2	740	740	660	500	320	230	170	M8-M16
PA3-300-2-530	323.9	12.75	16	17	370	14 <sup>9</sup> / <sub>16</sub>	24	60	7.4	800	800	800	600	380	270	200	M8-M16
PA3-300-3-530	323.9	12.75	20	20	370	14 <sup>9</sup> / <sub>16</sub>	30	70	10.6	1320	1320	1320	1020	660	470	340	M12-M24
PA3-300-4-530	323.9	12.75	24	25	370	14 <sup>9</sup> / <sub>16</sub>	36	80	15.2	1830	1830	1830	1830	1270	890	640	M12-M36
PA3-300-5-530	323.9	12.75	30	29	370	14 <sup>9</sup> / <sub>16</sub>	45	100	26.1	3050	3050	3050	3050	2810	1950	1410	M12-M36
PA3-300-6-530	323.9	12.75	36	41	370	14 <sup>9</sup> / <sub>16</sub>	54	100	26.6	3810	3810	3810	3810	2880	2000	1440	M20-M64
PA3-300-7-530	323.9	12.75	42	45	370	14 <sup>9</sup> / <sub>16</sub>	63	110	37.5	5470	5470	5470	5470	5260	3740	2680	M30-M64
PA3-300-8-530	323.9	12.75	48	52	370	14 <sup>9</sup> / <sub>16</sub>	72	120	42.8	9770	9770	9210	7760	5520	3930	2820	M42-M80
PA3-300-1-560	323.9	12.75	16	17	390	15 <sup>3</sup> / <sub>8</sub>	24	50	6.4	740	740	670	520	380	300	240	M8-M16
PA3-300-2-560	323.9	12.75	16	17	390	15 <sup>3</sup> / <sub>8</sub>	24	70	10.6	800	800	800	800	800	680	530	M8-M16
PA3-300-3-560	323.9	12.75	20	20	390	15 <sup>3</sup> / <sub>8</sub>	30	80	15.3	1110	1110	1110	1110	1070	1000	890	M12-M24
PA3-300-4-560	323.9	12.75	24	25	390	15 <sup>3</sup> / <sub>8</sub>	36	100	19.4	1830	1830	1830	1830	1830	1450	1140	M12-M36
PA3-300-5-560	323.9	12.75	30	29	390	15 <sup>3</sup> / <sub>8</sub>	45	100	26.3	2390	2390	2390	2390	2390	2310	2120	M12-M36
PA3-300-6-560	323.9	12.75	36	41	390	15 <sup>3</sup> / <sub>8</sub>	54	90	30.5	3810	3810	3810	3810	3810	3810	3140	M20-M64
PA3-300-7-560	323.9	12.75	42	45	390	15 <sup>3</sup> / <sub>8</sub>	63	110	38.4	5470	5470	5470	5470	5470	4570	3650	M30-M64
PA3-300-8-560	323.9	12.75	48	52	390	15 <sup>3</sup> / <sub>8</sub>	72	120	52.2	10910	10910	10910	10910	8920	7190	5710	M42-M80
PA3-300-1-600	323.9	12.75	16	17	390	15 <sup>3</sup> / <sub>8</sub>	24	70	10.6	800	800	800	800	800	680	530	M8-M16
PA3-300-2-600	323.9	12.75	16	17	390	15 <sup>3</sup> / <sub>8</sub>	24	80	12.1	800	800	800	800	800	770	600	M8-M16
PA3-300-3-600	323.9	12.75	20	20	390	15 <sup>3</sup> / <sub>8</sub>	30	100	19.3	1320	1320	1320	1320	1320	1320	1130	M12-M24
PA3-300-4-600	323.9	12.75	24	25	390	15 <sup>3</sup> / <sub>8</sub>	36	100	25.9	1830	1830	1830	1830	1830	1830	1830	M12-M36
PA3-300-5-600	323.9	12.75	30	29	390	15 <sup>3</sup> / <sub>8</sub>	45	90	30.2	3050	3050	3050	3050	3050	3050	2900	M12-M36
PA3-300-6-600	323.9	12.75	36	41	390	15 <sup>3</sup> / <sub>8</sub>	54	110	37.0	3810	3810	3810	3810	3810	3810	3810	M20-M64
PA3-300-7-600	323.9	12.75	42	45	390	15 <sup>3</sup> / <sub>8</sub>	63	110	46.1	5470	5470	5470	5470	5470	5470	5420	M30-M64
PA3-300-8-600	323.9	12.75	48	52	390	15 <sup>3</sup> / <sub>8</sub>	72	160	68.7	10910	10910	10910	10910	10910	9590	7620	M42-M80

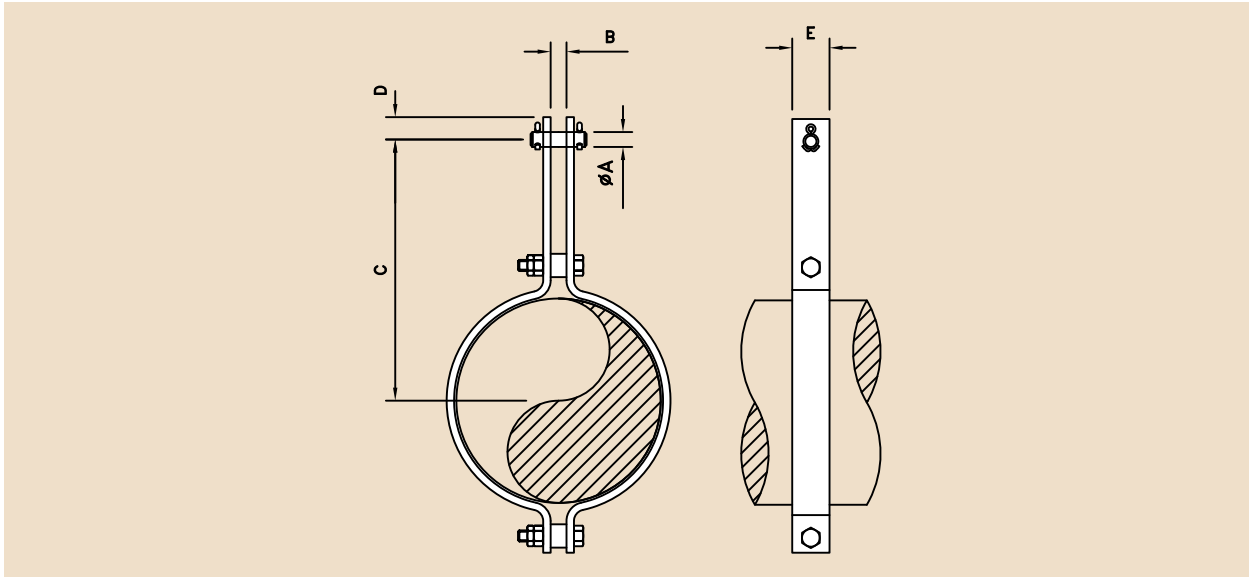
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-350-1-400	355.6	14	16	17	380	14 <sup>15</sup> / <sub>16</sub>	24	45	5.9	550	550						M8-M16
PA3-350-2-400	355.6	14	16	17	380	14 <sup>15</sup> / <sub>16</sub>	24	45	5.9	550	550						M8-M16
PA3-350-3-400	355.6	14	20	20	380	14 <sup>15</sup> / <sub>16</sub>	30	60	9.6	1100	1090						M12-M24
PA3-350-4-400	355.6	14	24	25	380	14 <sup>15</sup> / <sub>16</sub>	36	65	17.8	1830	1830						M12-M36
PA3-350-5-400	355.6	14	30	29	380	14 <sup>15</sup> / <sub>16</sub>	45	90	25.3	3050	3050						M12-M36
PA3-350-6-400	355.6	14	36	41	380	14 <sup>15</sup> / <sub>16</sub>	54	90	26.5	3810	3810						M20-M64
PA3-350-7-400	355.6	14	42	45	380	14 <sup>15</sup> / <sub>16</sub>	63	110	40.6	5470	5470						M30-M64
PA3-350-8-400	355.6	14	48	52	390	15 <sup>3</sup> / <sub>8</sub>	72	130	50.3	8900	8540						M42-M80
PA3-350-9-400	355.6	14	56	58	440	17 <sup>5</sup> / <sub>16</sub>	84	150	75.4	10000	10000						M42-M80
PA3-350-1-490	355.6	14	16	17	400	15 <sup>3</sup> / <sub>4</sub>	24	50	6.7	720	720	640	490	310	220	160	M8-M16
PA3-350-2-490	355.6	14	16	17	400	15 <sup>3</sup> / <sub>4</sub>	24	50	6.7	720	720	640	490	310	220	160	M8-M16
PA3-350-3-490	355.6	14	20	20	400	15 <sup>3</sup> / <sub>4</sub>	30	70	11.4	1320	1320	1270	990	640	450	330	M12-M24
PA3-350-4-490	355.6	14	24	25	400	15 <sup>3</sup> / <sub>4</sub>	36	80	16.5	1830	1830	1830	1710	1130	790	570	M12-M36
PA3-350-5-490	355.6	14	30	29	400	15 <sup>3</sup> / <sub>4</sub>	45	100	21.2	2980	2980	2710	2150	1430	1000	710	M12-M36
PA3-350-6-490	355.6	14	36	41	400	15 <sup>3</sup> / <sub>4</sub>	54	100	28.5	3810	3810	3810	3810	2760	1920	1390	M20-M64
PA3-350-7-490	355.6	14	42	45	400	15 <sup>3</sup> / <sub>4</sub>	63	110	40.4	5470	5470	5470	5470	4770	3400	2440	M30-M64
PA3-350-8-490	355.6	14	48	52	400	15 <sup>3</sup> / <sub>4</sub>	72	120	45.6	9280	9280	8750	7380	5260	3750	2690	M42-M80
PA3-350-9-490	355.6	14	56	58	410	16 <sup>1</sup> / <sub>8</sub>	84	140	54.8	10000	10000	10000	8690	6200	4420	3170	M42-M80
PA3-350-1-530	355.6	14	16	17	400	15 <sup>3</sup> / <sub>4</sub>	24	50	6.7	720	720	640	490	310	220	160	M8-M16
PA3-350-2-530	355.6	14	16	17	400	15 <sup>3</sup> / <sub>4</sub>	24	60	8.0	800	800	770	580	370	270	200	M8-M16
PA3-350-3-530	355.6	14	20	20	400	15 <sup>3</sup> / <sub>4</sub>	30	80	13.0	1320	1320	1320	1130	730	520	380	M12-M24
PA3-350-4-530	355.6	14	24	25	400	15 <sup>3</sup> / <sub>4</sub>	36	80	16.5	1830	1830	1830	1710	1130	790	570	M12-M36
PA3-350-5-530	355.6	14	30	29	400	15 <sup>3</sup> / <sub>4</sub>	45	100	28.1	3050	3050	3050	3050	2700	1880	1360	M12-M36
PA3-350-6-530	355.6	14	36	41	400	15 <sup>3</sup> / <sub>4</sub>	54	100	28.5	3810	3810	3810	3810	2760	1920	1390	M20-M64
PA3-350-7-530	355.6	14	42	45	400	15 <sup>3</sup> / <sub>4</sub>	63	110	40.4	5470	5470	5470	5470	4770	3400	2440	M30-M64
PA3-350-8-530	355.6	14	48	52	400	15 <sup>3</sup> / <sub>4</sub>	72	130	49.2	10050	10050	9480	7990	5700	4060	2910	M42-M80
PA3-350-9-530	355.6	14	56	58	420	16 <sup>9</sup> / <sub>16</sub>	84	140	66.1	10000	10000	10000	10000	9370	6870	4860	M42-M80
PA3-350-1-560	355.6	14	16	17	420	16 <sup>9</sup> / <sub>16</sub>	24	50	6.8	720	720	650	510	370	290	230	M8-M16
PA3-350-2-560	355.6	14	16	17	420	16 <sup>9</sup> / <sub>16</sub>	24	70	11.5	800	800	800	800	740	590	460	M8-M16
PA3-350-3-560	355.6	14	20	20	420	16 <sup>9</sup> / <sub>16</sub>	30	80	16.7	1320	1320	1320	1320	1280	1020	800	M12-M24
PA3-350-4-560	355.6	14	24	25	420	16 <sup>9</sup> / <sub>16</sub>	36	100	21.0	1830	1830	1830	1830	1620	1280	1010	M12-M36
PA3-350-5-560	355.6	14	30	29	420	16 <sup>9</sup> / <sub>16</sub>	45	100	28.4	2330	2330	2330	2330	2330	2290	1900	M12-M36
PA3-350-6-560	355.6	14	36	41	420	16 <sup>9</sup> / <sub>16</sub>	54	90	32.8	3810	3810	3810	3810	3810	3550	2830	M20-M64
PA3-350-7-560	355.6	14	42	45	420	16 <sup>9</sup> / <sub>16</sub>	63	120	44.9	5470	5470	5470	5470	5470	4520	3600	M30-M64
PA3-350-8-560	355.6	14	48	52	420	16 <sup>9</sup> / <sub>16</sub>	72	120	55.7	10910	10910	10910	10770	8490	6850	5440	M42-M80
PA3-350-9-560	355.6	14	56	58	420	16 <sup>9</sup> / <sub>16</sub>	84	140	66.1	10000	10000	10000	10000	10000	8070	6410	M42-M80
PA3-350-1-600	355.6	14	16	17	420	16 <sup>9</sup> / <sub>16</sub>	24	70	11.5	800	800	800	800	740	590	460	M8-M16
PA3-350-2-600	355.6	14	16	17	420	16 <sup>9</sup> / <sub>16</sub>	24	80	16.3	800	800	800	800	800	800	800	M8-M16
PA3-350-3-600	355.6	14	20	20	420	16 <sup>9</sup> / <sub>16</sub>	30	100	27.8	1320	1320	1320	1320	1320	1320	1320	M12-M24
PA3-350-4-600	355.6	14	24	25	420	16 <sup>9</sup> / <sub>16</sub>	36	100	28.0	1830	1830	1830	1830	1830	1830	1830	M12-M36
PA3-350-5-600	355.6	14	30	29	420	16 <sup>9</sup> / <sub>16</sub>	45	90	32.1	2520	2520	2520	2520	2520	2520	2490	M12-M36
PA3-350-6-600	355.6	14	36	41	420	16 <sup>9</sup> / <sub>16</sub>	54	120	43.4	3810	3810	3810	3810	3810	3810	3780	M20-M64
PA3-350-7-600	355.6	14	42	45	420	16 <sup>9</sup> / <sub>16</sub>	63	120	53.6	5470	5470	5470	5470	5470	5470	5470	M30-M64
PA3-350-8-600	355.6	14	48	52	420	16 <sup>9</sup> / <sub>16</sub>	72	120	74.3	10910	10910	10910	10910	10910	10910	10280	M42-M80
PA3-350-9-600	355.6	14	56	58	430	16 <sup>15</sup> / <sub>16</sub>	84	140	88.4	10000	10000	10000	10000	10000	10000	10000	M42-M80

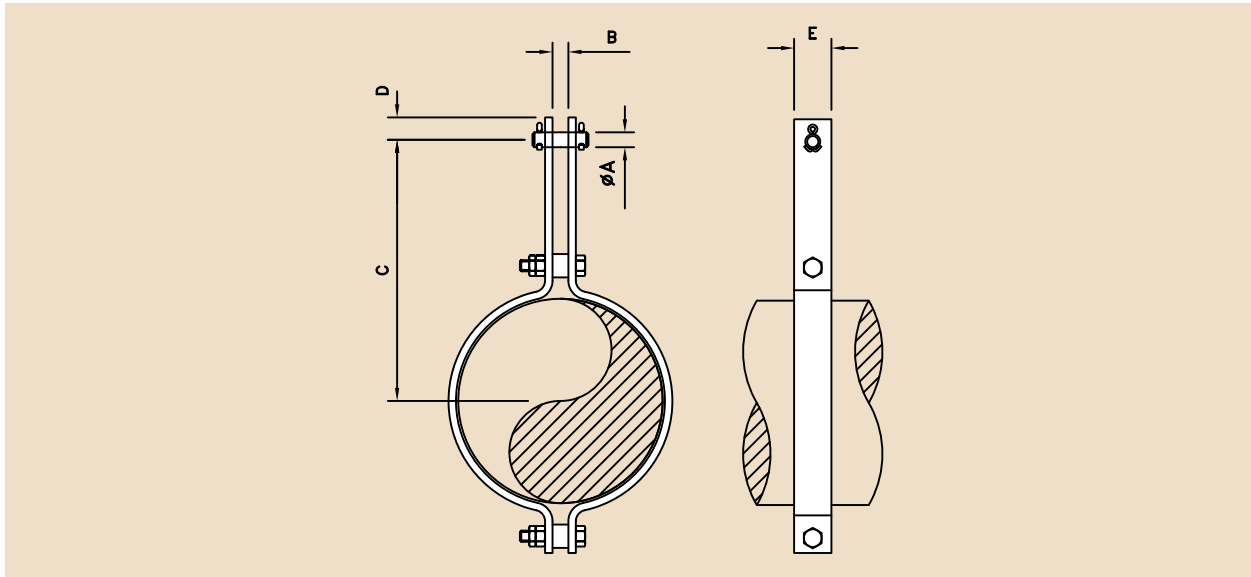
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in				mm	in	350	400	490	530	560		580
PA3-400-1-400	406.4	16	16	17	420	16 <sup>9</sup> / <sub>16</sub>	24	45	6.6	510	510							M8-M16
PA3-400-2-400	406.4	16	16	17	420	16 <sup>9</sup> / <sub>16</sub>	24	60	10.6	800	800							M8-M16
PA3-400-3-400	406.4	16	20	20	420	16 <sup>9</sup> / <sub>16</sub>	30	55	12.3	1130	1130							M12-M24
PA3-400-4-400	406.4	16	24	25	420	16 <sup>9</sup> / <sub>16</sub>	36	65	19.7	1830	1830							M12-M36
PA3-400-5-400	406.4	16	30	29	420	16 <sup>9</sup> / <sub>16</sub>	45	90	27.9	3000	3000							M12-M36
PA3-400-6-400	406.4	16	36	41	420	16 <sup>9</sup> / <sub>16</sub>	54	110	35.2	3810	3810							M20-M64
PA3-400-7-400	406.4	16	42	45	420	16 <sup>9</sup> / <sub>16</sub>	63	110	44.5	5470	5470							M30-M64
PA3-400-8-400	406.4	16	48	52	420	16 <sup>9</sup> / <sub>16</sub>	72	130	54.4	8150	7800							M42-M80
PA3-400-9-400	406.4	16	56	58	470	18 <sup>1</sup> / <sub>2</sub>	84	150	81.5	10000	10000							M42-M80
PA3-400-10-400	406.4	16	64	65	500	19 <sup>11</sup> / <sub>16</sub>	96	180	133.7	14730	14730							M42-M80
PA3-400-1-490	406.4	16	16	17	430	16 <sup>15</sup> / <sub>16</sub>	24	50	7.3	660	660	590	450	280	200	150		M8-M16
PA3-400-2-490	406.4	16	16	17	430	16 <sup>15</sup> / <sub>16</sub>	24	50	7.3	660	660	590	450	280	200	150		M8-M16
PA3-400-3-490	406.4	16	20	20	430	16 <sup>15</sup> / <sub>16</sub>	30	70	12.6	1200	1200	1070	830	530	380	280		M12-M24
PA3-400-4-490	406.4	16	24	25	430	16 <sup>15</sup> / <sub>16</sub>	36	80	18.1	1830	1830	1830	1560	1030	720	520		M12-M36
PA3-400-5-490	406.4	16	30	29	430	16 <sup>15</sup> / <sub>16</sub>	45	100	23.1	2750	2750	2490	1970	1290	910	650		M12-M36
PA3-400-6-490	406.4	16	36	41	430	16 <sup>15</sup> / <sub>16</sub>	54	100	31.6	3810	3810	3810	3470	2360	1640	1180		M20-M64
PA3-400-7-490	406.4	16	42	45	430	16 <sup>15</sup> / <sub>16</sub>	63	110	43.9	5470	5470	5470	5470	4330	3070	2210		M30-M64
PA3-400-8-490	406.4	16	48	52	430	16 <sup>15</sup> / <sub>16</sub>	72	120	49.7	8110	8110	7630	6420	4540	3220	2320		M42-M80
PA3-400-9-490	406.4	16	56	58	440	17 <sup>5</sup> / <sub>16</sub>	84	140	70.7	10000	10000	10000	10000	8510	6210	4400		M42-M80
PA3-400-10-490	406.4	16	64	65	470	18 <sup>1</sup> / <sub>2</sub>	96	160	86.2	15540	15540	14880	12660	9400	6860	4860		M42-M80
PA3-400-1-530	406.4	16	16	17	430	16 <sup>15</sup> / <sub>16</sub>	24	50	7.3	660	660	590	450	280	200	150		M8-M16
PA3-400-2-530	406.4	16	16	17	430	16 <sup>15</sup> / <sub>16</sub>	24	60	8.8	800	800	710	530	340	240	180		M8-M16
PA3-400-3-530	406.4	16	20	20	430	16 <sup>15</sup> / <sub>16</sub>	30	80	17.9	1320	1320	1320	1320	1010	710	510		M12-M24
PA3-400-4-530	406.4	16	24	25	430	16 <sup>15</sup> / <sub>16</sub>	36	100	22.5	1830	1830	1830	1830	1280	900	650		M12-M36
PA3-400-5-530	406.4	16	30	29	430	16 <sup>15</sup> / <sub>16</sub>	45	100	30.8	3050	3050	3050	3050	2300	1600	1150		M12-M36
PA3-400-6-530	406.4	16	36	41	430	16 <sup>15</sup> / <sub>16</sub>	54	110	34.7	3810	3810	3810	3810	2590	1800	1300		M20-M64
PA3-400-7-530	406.4	16	42	45	430	16 <sup>15</sup> / <sub>16</sub>	63	110	43.9	5470	5470	5470	5470	4330	3070	2210		M30-M64
PA3-400-8-530	406.4	16	48	52	430	16 <sup>15</sup> / <sub>16</sub>	72	140	57.5	9460	9460	8900	7490	5300	3760	2700		M42-M80
PA3-400-9-530	406.4	16	56	58	440	17 <sup>5</sup> / <sub>16</sub>	84	140	70.7	10000	10000	10000	10000	8510	6210	4400		M42-M80
PA3-400-10-530	406.4	16	64	65	490	19 <sup>5</sup> / <sub>16</sub>	96	160	116.3	17480	17480	17480	17480	17480	13980	9690		M42-M80
PA3-400-1-560	406.4	16	16	17	460	18 <sup>1</sup> / <sub>8</sub>	24	60	9.1	800	800	720	560	410	320	250		M8-M16
PA3-400-2-560	406.4	16	16	17	460	18 <sup>1</sup> / <sub>8</sub>	24	70	12.7	800	800	800	800	680	540	420		M8-M16
PA3-400-3-560	406.4	16	20	20	460	18 <sup>1</sup> / <sub>8</sub>	30	80	18.5	1320	1320	1320	1320	1170	930	730		M12-M24
PA3-400-4-560	406.4	16	24	25	460	18 <sup>1</sup> / <sub>8</sub>	36	100	30.9	1830	1830	1830	1830	1830	1830	1720		M12-M36
PA3-400-5-560	406.4	16	30	29	460	18 <sup>1</sup> / <sub>8</sub>	45	100	31.8	3050	3050	3050	3050	2580	2040	1620		M12-M36
PA3-400-6-560	406.4	16	36	41	460	18 <sup>1</sup> / <sub>8</sub>	54	90	36.1	3770	3770	3770	3770	3770	3240	2590		M20-M64
PA3-400-7-560	406.4	16	42	45	460	18 <sup>1</sup> / <sub>8</sub>	63	130	53.1	5470	5470	5470	5470	5470	4450	3550		M30-M64
PA3-400-8-560	406.4	16	48	52	460	18 <sup>1</sup> / <sub>8</sub>	72	130	66.0	10290	10290	10290	10210	8020	6460	5130		M42-M80
PA3-400-9-560	406.4	16	56	58	460	18 <sup>1</sup> / <sub>8</sub>	84	150	76.9	10000	10000	10000	10000	9750	7860	6250		M42-M80
PA3-400-10-560	406.4	16	64	65	490	19 <sup>5</sup> / <sub>16</sub>	96	160	116.3	17480	17480	17480	17480	17480	15520	12250		M42-M80
PA3-400-1-600	406.4	16	16	17	460	18 <sup>1</sup> / <sub>8</sub>	24	70	12.7	800	800	800	800	680	540	420		M8-M16
PA3-400-2-600	406.4	16	16	17	460	18 <sup>1</sup> / <sub>8</sub>	24	80	18.1	800	800	800	800	800	800	740		M8-M16
PA3-400-3-600	406.4	16	20	20	460	18 <sup>1</sup> / <sub>8</sub>	30	100	30.7	1320	1320	1320	1320	1320	1320	1320		M12-M24
PA3-400-4-600	406.4	16	24	25	460	18 <sup>1</sup> / <sub>8</sub>	36	100	30.9	1830	1830	1830	1830	1830	1830	1720		M12-M36
PA3-400-5-600	406.4	16	30	29	460	18 <sup>1</sup> / <sub>8</sub>	45	90	35.8	3050	3050	3050	3050	3050	3000	2390		M12-M36
PA3-400-6-600	406.4	16	36	41	460	18 <sup>1</sup> / <sub>8</sub>	54	100	48.0	3810	3810	3810	3810	3810	3810	3810		M20-M64
PA3-400-7-600	406.4	16	42	45	460	18 <sup>1</sup> / <sub>8</sub>	63	140	68.5	5470	5470	5470	5470	5470	5470	5470		M30-M64
PA3-400-8-600	406.4	16	48	52	460	18 <sup>1</sup> / <sub>8</sub>	72	120	81.0	10910	10910	10910	10910	10910	10910	9370		M42-M80
PA3-400-9-600	406.4	16	56	58	460	18 <sup>1</sup> / <sub>8</sub>	84	140	95.8	10000	10000	10000	10000	10000	10000	10000		M42-M80
PA3-400-10-600	406.4	16	64	65	490	19 <sup>5</sup> / <sub>16</sub>	96	180	130.1	17480	17480	17480	17480	17480	17480	17460		M42-M80

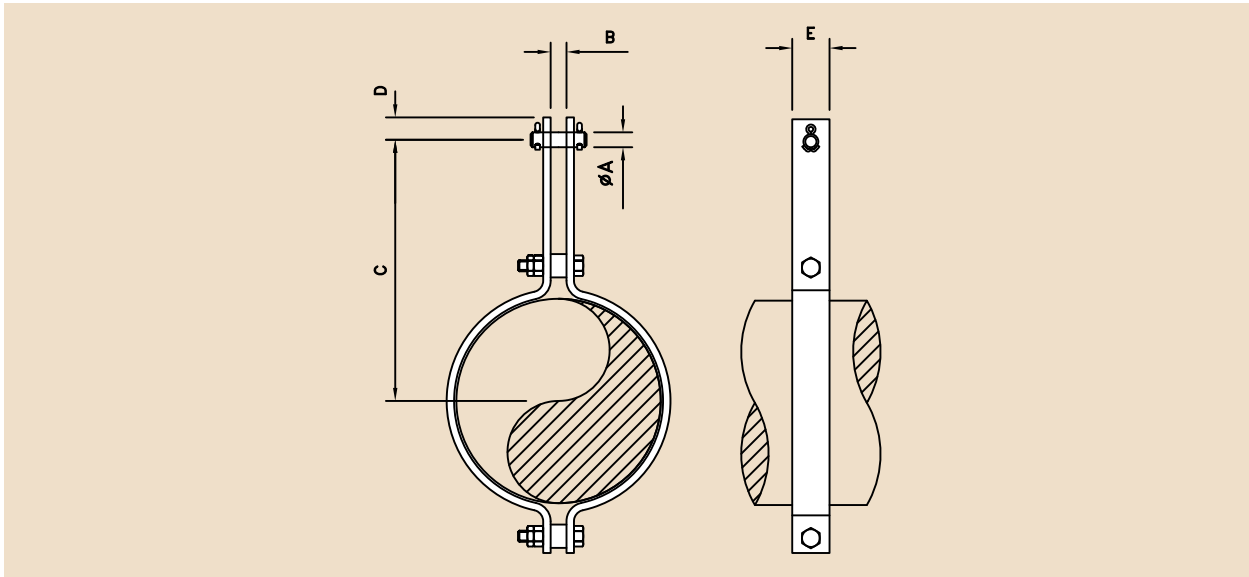
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-450-2-400	457.2	18	16	17	450	17 <sup>11</sup> / <sub>16</sub>	24	60	11.6	800	800						M8-M16
PA3-450-3-400	457.2	18	20	20	450	17 <sup>11</sup> / <sub>16</sub>	30	55	13.4	1040	1040						M12-M24
PA3-450-4-400	457.2	18	24	25	450	17 <sup>11</sup> / <sub>16</sub>	36	65	21.5	1830	1830						M12-M36
PA3-450-5-400	457.2	18	30	29	450	17 <sup>11</sup> / <sub>16</sub>	45	90	30.4	2870	2870						M12-M36
PA3-450-6-400	457.2	18	36	41	450	17 <sup>11</sup> / <sub>16</sub>	54	110	38.3	3810	3810						M20-M64
PA3-450-7-400	457.2	18	42	45	450	17 <sup>11</sup> / <sub>16</sub>	63	110	49.5	5470	5470						M30-M64
PA3-450-8-400	457.2	18	48	52	450	17 <sup>11</sup> / <sub>16</sub>	72	150	67.5	8220	8060						M42-M80
PA3-450-9-400	457.2	18	56	58	490	19 <sup>5</sup> / <sub>16</sub>	84	150	86.6	10000	10000						M42-M80
PA3-450-10-400	457.2	18	64	65	530	20 <sup>7</sup> / <sub>8</sub>	96	180	143.4	13670	13670						M42-M80
PA3-450-11-400	457.2	18	72	69	540	21 <sup>1</sup> / <sub>4</sub>	108	180	150.0	18610	18610						M42-M80
PA3-450-2-490	457.2	18	16	17	460	18 <sup>1</sup> / <sub>8</sub>	24	50	8.0	630	630	560	430	280	200	150	M8-M16
PA3-450-3-490	457.2	18	20	20	460	18 <sup>1</sup> / <sub>8</sub>	30	70	13.7	1130	1130	1020	790	520	360	270	M12-M24
PA3-450-4-490	457.2	18	24	25	460	18 <sup>1</sup> / <sub>8</sub>	36	80	19.6	1770	1770	1770	1490	990	700	490	M12-M36
PA3-450-5-490	457.2	18	30	29	460	18 <sup>1</sup> / <sub>8</sub>	45	100	33.5	3050	3050	3050	3050	2210	1530	1110	M12-M36
PA3-450-6-490	457.2	18	36	41	460	18 <sup>1</sup> / <sub>8</sub>	54	100	34.2	3810	3810	3810	3310	2260	1570	1130	M20-M64
PA3-450-7-490	457.2	18	42	45	460	18 <sup>1</sup> / <sub>8</sub>	63	110	48.8	5470	5470	5470	5220	3740	2670	1910	M30-M64
PA3-450-8-490	457.2	18	48	52	460	18 <sup>1</sup> / <sub>8</sub>	72	130	57.8	8210	8210	7750	6540	4690	3350	2400	M42-M80
PA3-450-9-490	457.2	18	56	58	480	18 <sup>1</sup> / <sub>8</sub>	84	140	78.7	10000	10000	10000	9870	7410	5450	3850	M42-M80
PA3-450-10-490	457.2	18	64	65	500	19 <sup>11</sup> / <sub>16</sub>	96	160	92.8	13890	13890	13350	11390	8550	6280	4440	M42-M80
PA3-450-11-490	457.2	18	72	69	540	21 <sup>1</sup> / <sub>4</sub>	108	180	147.3	23130	23130	23130	22490	18280	14050	9820	M42-M80
PA3-450-2-530	457.2	18	16	17	460	18 <sup>1</sup> / <sub>8</sub>	24	70	13.4	800	800	800	800	560	400	290	M8-M16
PA3-450-3-530	457.2	18	20	20	460	18 <sup>1</sup> / <sub>8</sub>	30	80	19.5	1320	1320	1320	1320	980	690	490	M12-M24
PA3-450-4-530	457.2	18	24	25	460	18 <sup>1</sup> / <sub>8</sub>	36	100	24.5	1770	1770	1770	1770	1240	870	620	M12-M36
PA3-450-5-530	457.2	18	30	29	460	18 <sup>1</sup> / <sub>8</sub>	45	100	33.5	3050	3050	3050	3050	2210	1530	1110	M12-M36
PA3-450-6-530	457.2	18	36	41	460	18 <sup>1</sup> / <sub>8</sub>	54	90	38.5	3810	3810	3810	3810	3360	2400	1720	M20-M64
PA3-450-7-530	457.2	18	42	45	460	18 <sup>1</sup> / <sub>8</sub>	63	120	53.0	5470	5470	5470	5470	4080	2910	2090	M30-M64
PA3-450-8-530	457.2	18	48	52	460	18 <sup>1</sup> / <sub>8</sub>	72	120	64.0	9370	9370	9370	8760	6570	4830	3410	M42-M80
PA3-450-9-530	457.2	18	56	58	480	18 <sup>1</sup> / <sub>8</sub>	84	140	78.7	10000	10000	10000	9870	7410	5450	3850	M42-M80
PA3-450-10-530	457.2	18	64	65	520	20 <sup>1</sup> / <sub>2</sub>	96	160	125.0	16240	16240	16240	16240	16240	12840	8970	M42-M80
PA3-450-11-530	457.2	18	72	69	540	21 <sup>1</sup> / <sub>4</sub>	108	180	147.3	23130	23130	23130	22490	18280	14050	9820	M42-M80
PA3-450-2-560	457.2	18	16	17	480	18 <sup>7</sup> / <sub>8</sub>	24	70	13.7	800	800	800	800	660	520	410	M8-M16
PA3-450-3-560	457.2	18	20	20	480	18 <sup>7</sup> / <sub>8</sub>	30	80	19.9	1320	1320	1320	1320	1120	890	700	M12-M24
PA3-450-4-560	457.2	18	24	25	480	18 <sup>7</sup> / <sub>8</sub>	36	100	33.2	1830	1830	1830	1830	1830	1830	1650	M12-M36
PA3-450-5-560	457.2	18	30	29	480	18 <sup>7</sup> / <sub>8</sub>	45	100	34.1	3050	3050	3050	3050	2460	1940	1550	M12-M36
PA3-450-6-560	457.2	18	36	41	480	18 <sup>7</sup> / <sub>8</sub>	54	90	39.2	3810	3810	3810	3810	3650	2920	2330	M20-M64
PA3-450-7-560	457.2	18	42	45	480	18 <sup>7</sup> / <sub>8</sub>	63	110	59.1	5470	5470	5470	5470	5470	5130	4080	M30-M64
PA3-450-8-560	457.2	18	48	52	480	18 <sup>7</sup> / <sub>8</sub>	72	130	70.4	9370	9370	9370	9370	7590	6130	4860	M42-M80
PA3-450-9-560	457.2	18	56	58	500	19 <sup>11</sup> / <sub>16</sub>	84	140	106.2	10000	10000	10000	10000	10000	10000	9730	M42-M80
PA3-450-10-560	457.2	18	64	65	520	20 <sup>1</sup> / <sub>2</sub>	96	160	125.0	16240	16240	16240	16240	16240	14160	11220	M42-M80
PA3-450-11-560	457.2	18	72	69	540	21 <sup>1</sup> / <sub>4</sub>	108	180	147.3	23130	23130	23130	22740	18890	15500	12280	M42-M80
PA3-450-2-600	457.2	18	16	17	480	18 <sup>7</sup> / <sub>8</sub>	24	80	19.5	800	800	800	800	800	770	680	M8-M16
PA3-450-3-600	457.2	18	20	20	480	18 <sup>7</sup> / <sub>8</sub>	30	100	33.1	1320	1320	1320	1320	1320	1320	1320	M12-M24
PA3-450-4-600	457.2	18	24	25	480	18 <sup>7</sup> / <sub>8</sub>	36	100	33.2	1830	1830	1830	1830	1830	1830	1650	M12-M36
PA3-450-5-600	457.2	18	30	29	480	18 <sup>7</sup> / <sub>8</sub>	45	90	38.4	3050	3050	3050	3050	3050	2870	2280	M12-M36
PA3-450-6-600	457.2	18	36	41	480	18 <sup>7</sup> / <sub>8</sub>	54	100	51.6	3810	3810	3810	3810	3810	3810	3810	M20-M64
PA3-450-7-600	457.2	18	42	45	480	18 <sup>7</sup> / <sub>8</sub>	63	140	73.3	5470	5470	5470	5470	5470	5470	5440	M30-M64
PA3-450-8-600	457.2	18	48	52	480	18 <sup>7</sup> / <sub>8</sub>	72	120	86.8	10410	10410	10410	10410	10410	10410	8580	M42-M80
PA3-450-9-600	457.2	18	56	58	490	19 <sup>5</sup> / <sub>16</sub>	84	140	103.4	10000	10000	10000	10000	10000	10000	10000	M42-M80
PA3-450-10-600	457.2	18	64	65	520	20 <sup>1</sup> / <sub>2</sub>	96	200	154.7	16240	16240	16240	16240	16240	16240	14020	M42-M80
PA3-450-11-600	457.2	18	72	69	550	21 <sup>5</sup> / <sub>8</sub>	108	180	184.5	24610	24610	24610	24610	24610	24610	21700	M42-M80

# PA3 PIPE CLAMP THREE BOLT TYPE

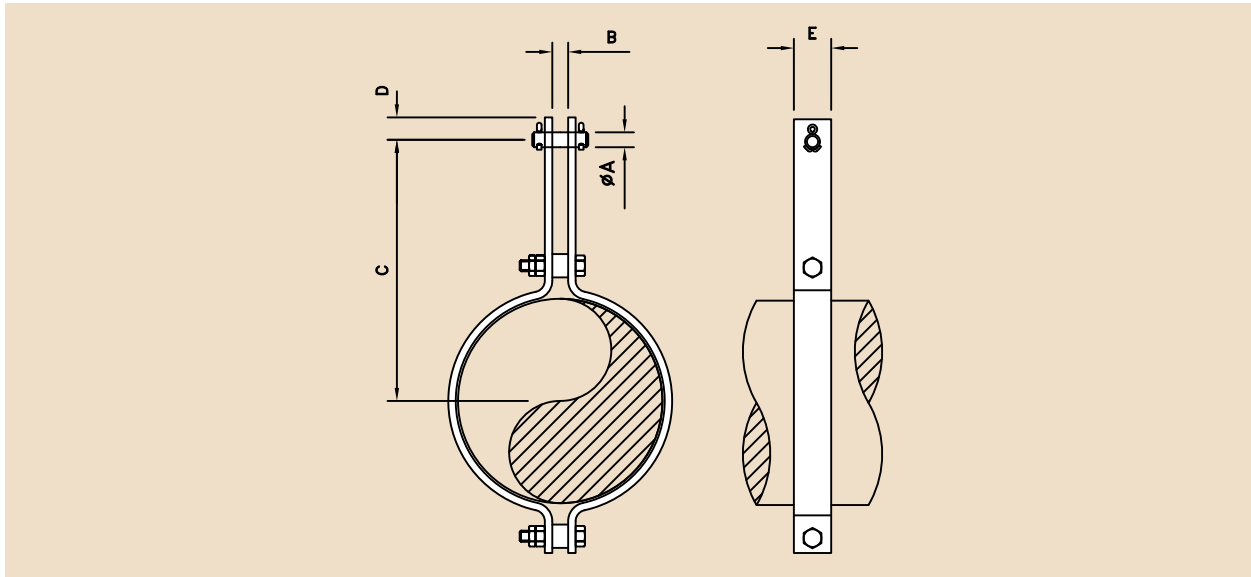


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-500-2-400	508.0	20	16	17	470	18 <sup>1</sup> / <sub>2</sub>	24	60	12.4	800	800						M8-M16
PA3-500-3-400	508.0	20	20	20	470	18 <sup>1</sup> / <sub>2</sub>	30	55	14.6	1200	1130						M12-M24
PA3-500-4-400	508.0	20	24	25	470	18 <sup>1</sup> / <sub>2</sub>	36	65	23.0	1750	1750						M12-M36
PA3-500-5-400	508.0	20	30	29	470	18 <sup>1</sup> / <sub>2</sub>	45	90	32.5	2660	2660						M12-M36
PA3-500-6-400	508.0	20	36	41	470	18 <sup>1</sup> / <sub>2</sub>	54	110	40.8	3810	3680						M20-M64
PA3-500-7-400	508.0	20	42	45	470	18 <sup>1</sup> / <sub>2</sub>	63	110	52.7	5470	5470						M30-M64
PA3-500-8-400	508.0	20	48	52	470	18 <sup>1</sup> / <sub>2</sub>	72	150	71.7	7580	7580						M42-M80
PA3-500-9-400	508.0	20	56	58	520	20 <sup>1</sup> / <sub>2</sub>	84	150	92.7	10000	10000						M42-M80
PA3-500-10-400	508.0	20	64	65	560	22 <sup>1</sup> / <sub>16</sub>	96	180	155.9	17240	17240						M42-M80
PA3-500-11-400	508.0	20	72	69	580	22 <sup>13</sup> / <sub>16</sub>	108	180	164.7	21590	21390						M42-M80
PA3-500-12-400	508.0	20	80	77	590	23 <sup>1</sup> / <sub>4</sub>	120	200	186.3	24240	24020						M72-M80
PA3-500-2-490	508.0	20	16	17	480	18 <sup>7</sup> / <sub>8</sub>	24	50	8.6	610	610	540	420	270	190	140	M8-M16
PA3-500-3-490	508.0	20	20	20	480	18 <sup>7</sup> / <sub>8</sub>	30	80	16.8	1230	1230	1120	880	580	410	290	M12-M24
PA3-500-4-490	508.0	20	24	25	480	18 <sup>7</sup> / <sub>8</sub>	36	80	21.0	1640	1640	1640	1450	970	680	480	M12-M36
PA3-500-5-490	508.0	20	30	29	480	18 <sup>7</sup> / <sub>8</sub>	45	100	35.8	2960	2960	2960	2960	2140	1490	1080	M12-M36
PA3-500-6-490	508.0	20	36	41	480	18 <sup>7</sup> / <sub>8</sub>	54	110	40.3	3810	3810	3810	3280	2260	1570	1140	M20-M64
PA3-500-7-490	508.0	20	42	45	480	18 <sup>7</sup> / <sub>8</sub>	63	110	51.9	5470	5470	5470	4960	3590	2580	1840	M30-M64
PA3-500-8-490	508.0	20	48	52	480	18 <sup>7</sup> / <sub>8</sub>	72	140	66.3	7940	7940	7530	6370	4620	3320	2370	M42-M80
PA3-500-9-490	508.0	20	56	58	510	20 <sup>1</sup> / <sub>16</sub>	84	140	84.5	10000	10000	10000	8980	6810	5030	3550	M42-M80
PA3-500-10-490	508.0	20	64	65	540	21 <sup>1</sup> / <sub>4</sub>	96	160	132.1	14900	14900	14900	14900	14900	12310	8670	M42-M80
PA3-500-11-490	508.0	20	72	69	560	22 <sup>1</sup> / <sub>16</sub>	108	180	155.3	21190	21190	21190	21190	17410	13440	9470	M42-M80
PA3-500-12-490	508.0	20	80	77	570	22 <sup>7</sup> / <sub>16</sub>	120	200	179.0	26440	26440	25930	23080	18920	14600	10290	M72-M80
PA3-500-2-530	508.0	20	16	17	480	18 <sup>7</sup> / <sub>8</sub>	24	70	14.4	760	760	760	760	550	390	280	M8-M16
PA3-500-3-530	508.0	20	20	20	480	18 <sup>7</sup> / <sub>8</sub>	30	80	20.9	1320	1320	1320	1320	960	670	470	M12-M24
PA3-500-4-530	508.0	20	24	25	480	18 <sup>7</sup> / <sub>8</sub>	36	100	26.2	1640	1640	1640	1640	1210	840	600	M12-M36
PA3-500-5-530	508.0	20	30	29	480	18 <sup>7</sup> / <sub>8</sub>	45	100	35.8	2960	2960	2960	2960	2140	1490	1080	M12-M36
PA3-500-6-530	508.0	20	36	41	480	18 <sup>7</sup> / <sub>8</sub>	54	90	41.3	3810	3810	3810	3810	3070	2210	1580	M20-M64
PA3-500-7-530	508.0	20	42	45	480	18 <sup>7</sup> / <sub>8</sub>	63	120	56.4	5470	5470	5470	5410	3920	2820	2010	M30-M64
PA3-500-8-530	508.0	20	48	52	480	18 <sup>7</sup> / <sub>8</sub>	72	120	68.4	8900	8900	8900	7950	6030	4460	3140	M42-M80
PA3-500-9-530	508.0	20	56	58	510	20 <sup>1</sup> / <sub>16</sub>	84	160	95.9	10000	10000	10000	10000	7780	5750	4050	M42-M80
PA3-500-10-530	508.0	20	64	65	540	21 <sup>1</sup> / <sub>4</sub>	96	160	132.1	14900	14900	14900	14900	14900	12310	8670	M42-M80
PA3-500-11-530	508.0	20	72	69	560	22 <sup>1</sup> / <sub>16</sub>	108	180	155.3	21190	21190	21190	21190	17410	13440	9470	M42-M80
PA3-500-12-530	508.0	20	80	77	570	22 <sup>7</sup> / <sub>16</sub>	120	200	179.0	26440	26440	25930	23080	18920	14600	10290	M72-M80
PA3-500-2-560	508.0	20	16	17	510	20 <sup>1</sup> / <sub>16</sub>	24	70	14.8	760	760	760	760	640	510	400	M8-M16
PA3-500-3-560	508.0	20	20	20	510	20 <sup>1</sup> / <sub>16</sub>	30	80	21.5	1320	1320	1320	1320	1090	860	680	M12-M24
PA3-500-4-560	508.0	20	24	25	510	20 <sup>1</sup> / <sub>16</sub>	36	100	36.0	1830	1830	1830	1830	1830	1830	1490	M12-M36
PA3-500-5-560	508.0	20	30	29	510	20 <sup>1</sup> / <sub>16</sub>	45	100	36.7	2960	2960	2960	2960	2370	1870	1500	M12-M36
PA3-500-6-560	508.0	20	36	41	510	20 <sup>1</sup> / <sub>16</sub>	54	100	46.9	3810	3810	3810	3810	3690	2950	2350	M20-M64
PA3-500-7-560	508.0	20	42	45	510	20 <sup>1</sup> / <sub>16</sub>	63	110	63.6	5470	5470	5470	5470	5470	4700	3730	M30-M64
PA3-500-8-560	508.0	20	48	52	510	20 <sup>1</sup> / <sub>16</sub>	72	140	81.3	8900	8900	8900	8900	7470	6040	4790	M42-M80
PA3-500-9-560	508.0	20	56	58	520	20 <sup>1</sup> / <sub>2</sub>	84	140	112.5	10000	10000	10000	10000	10000	10000	9310	M42-M80
PA3-500-10-560	508.0	20	64	65	540	21 <sup>1</sup> / <sub>4</sub>	96	160	132.1	14900	14900	14900	14900	14900	13500	10730	M42-M80
PA3-500-11-560	508.0	20	72	69	560	22 <sup>1</sup> / <sub>16</sub>	108	190	163.5	21190	21190	21190	21190	18920	15560	12370	M42-M80
PA3-500-12-560	508.0	20	80	77	570	22 <sup>7</sup> / <sub>16</sub>	120	240	212.4	29180	29180	29180	28000	23380	19220	15280	M72-M80
PA3-500-2-600	508.0	20	16	17	510	20 <sup>1</sup> / <sub>16</sub>	24	80	21.1	800	800	800	800	800	790	680	M8-M16
PA3-500-3-600	508.0	20	20	20	510	20 <sup>1</sup> / <sub>16</sub>	30	100	35.9	1320	1320	1320	1320	1320	1320	1320	M12-M24
PA3-500-4-600	508.0	20	24	25	510	20 <sup>1</sup> / <sub>16</sub>	36	110	39.6	1830	1830	1830	1830	1830	1830	1640	M12-M36
PA3-500-5-600	508.0	20	30	29	510	20 <sup>1</sup> / <sub>16</sub>	45	100	45.9	3050	3050	3050	3050	3050	3050	2440	M12-M36
PA3-500-6-600	508.0	20	36	41	510	20 <sup>1</sup> / <sub>16</sub>	54	110	61.7	3810	3810	3810	3810	3810	3810	3810	M20-M64
PA3-500-7-600	508.0	20	42	45	510	20 <sup>1</sup> / <sub>16</sub>	63	160	91.5	5470	5470	5470	5470	5470	5470	5430	M30-M64
PA3-500-8-600	508.0	20	48	52	510	20 <sup>1</sup> / <sub>16</sub>	72	120	93.3	9830	9830	9830	9830	9830	9830	7930	M42-M80
PA3-500-9-600	508.0	20	56	58	520	20 <sup>1</sup> / <sub>2</sub>	84	140	110.6	9760	9760	9760	9760	9760	9760	9670	M42-M80
PA3-500-10-600	508.0	20	64	65	540	21 <sup>1</sup> / <sub>4</sub>	96	200	163.6	14900	14900	14900	14900	14900	14900	13410	M42-M80
PA3-500-11-600	508.0	20	72	69	580	22 <sup>13</sup> / <sub>16</sub>	108	180	196.7	23020	23020	23020	23020	23020	23020	20110	M42-M80
PA3-500-12-600	508.0	20	80	77	580	22 <sup>13</sup> / <sub>16</sub>	120	200	220.2	23080	23080	23080	23080	23080	23080	23080	M72-M80



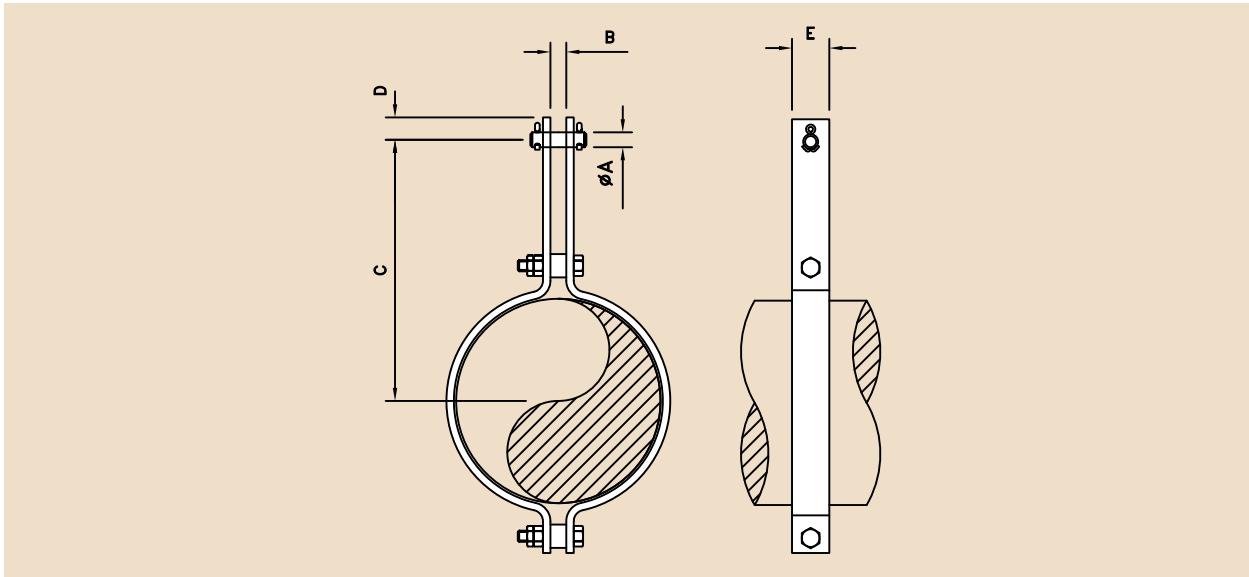
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-550-3-400	558.8	22	20	20	500	19 <sup>11</sup> / <sub>16</sub>	30	55	15.7	1130	1060						M12-M24
PA3-550-4-400	558.8	22	24	25	500	19 <sup>11</sup> / <sub>16</sub>	36	65	24.6	1650	1650						M12-M36
PA3-550-5-400	558.8	22	30	29	500	19 <sup>11</sup> / <sub>16</sub>	45	90	34.8	2510	2510						M12-M36
PA3-550-6-400	558.8	22	36	41	500	19 <sup>11</sup> / <sub>16</sub>	54	110	54.3	3810	3810						M20-M64
PA3-550-7-400	558.8	22	42	45	500	19 <sup>11</sup> / <sub>16</sub>	63	130	65.9	5470	5470						M30-M64
PA3-550-8-400	558.8	22	48	52	520	20 <sup>1</sup> / <sub>2</sub>	72	150	94.7	10160	9870						M42-M80
PA3-550-9-400	558.8	22	56	58	550	21 <sup>5</sup> / <sub>8</sub>	84	150	98.5	10000	9950						M42-M80
PA3-550-10-400	558.8	22	64	65	590	23 <sup>1</sup> / <sub>4</sub>	96	180	165.0	16090	16090						M42-M80
PA3-550-11-400	558.8	22	72	69	610	24	108	180	173.9	20280	20090						M42-M80
PA3-550-12-400	558.8	22	80	77	620	24 <sup>7</sup> / <sub>16</sub>	120	220	214.8	23470	23470						M72-M80
PA3-550-13-400	558.8	22	80	85	640	25 <sup>3</sup> / <sub>16</sub>	120	200	252.3	30830	30830						M72-M80
PA3-550-3-490	558.8	22	20	20	510	20 <sup>1</sup> / <sub>16</sub>	30	80	18.0	1170	1170	1050	820	540	380	270	M12-M24
PA3-550-4-490	558.8	22	24	25	510	20 <sup>1</sup> / <sub>16</sub>	36	100	28.5	1830	1830	1830	1560	1040	730	520	M12-M36
PA3-550-5-490	558.8	22	30	29	510	20 <sup>1</sup> / <sub>16</sub>	45	100	38.4	2790	2790	2790	2790	2000	1380	1000	M12-M36
PA3-550-6-490	558.8	22	36	41	510	20 <sup>1</sup> / <sub>16</sub>	54	110	43.1	3810	3810	3690	3070	2100	1460	1060	M20-M64
PA3-550-7-490	558.8	22	42	45	510	20 <sup>1</sup> / <sub>16</sub>	63	110	55.5	5470	5470	5470	4650	3340	2400	1710	M30-M64
PA3-550-8-490	558.8	22	48	52	510	20 <sup>1</sup> / <sub>16</sub>	72	120	73.0	8340	8340	8340	7460	5620	4140	2920	M42-M80
PA3-550-9-490	558.8	22	56	58	530	20 <sup>7</sup> / <sub>8</sub>	84	140	89.2	10000	10000	9850	8420	6340	4670	3290	M42-M80
PA3-550-10-490	558.8	22	64	65	580	22 <sup>13</sup> / <sub>16</sub>	96	160	144.1	19620	19620	19210	17050	13900	10700	7500	M42-M80
PA3-550-11-490	558.8	22	72	69	590	23 <sup>1</sup> / <sub>4</sub>	108	180	165.0	20230	20230	20230	19270	15700	12090	8470	M42-M80
PA3-550-12-490	558.8	22	80	77	600	23 <sup>9</sup> / <sub>8</sub>	120	200	189.8	24110	24110	23610	20960	17080	13150	9210	M72-M80
PA3-550-13-490	558.8	22	80	85	630	24 <sup>13</sup> / <sub>16</sub>	120	200	244.6	30830	30830	30830	30830	29060	23400	17390	M72-M80
PA3-550-3-530	558.8	22	20	20	510	20 <sup>1</sup> / <sub>16</sub>	30	80	22.5	1320	1320	1320	1320	890	620	440	M12-M24
PA3-550-4-530	558.8	22	24	25	510	20 <sup>1</sup> / <sub>16</sub>	36	100	38.0	1830	1830	1830	1830	1830	1380	1000	M12-M36
PA3-550-5-530	558.8	22	30	29	510	20 <sup>1</sup> / <sub>16</sub>	45	100	38.4	2790	2790	2790	2790	2000	1380	1000	M12-M36
PA3-550-6-530	558.8	22	36	41	510	20 <sup>1</sup> / <sub>16</sub>	54	90	44.2	3810	3810	3810	3810	2860	2050	1470	M20-M64
PA3-550-7-530	558.8	22	42	45	510	20 <sup>1</sup> / <sub>16</sub>	63	130	65.1	5470	5470	5470	5470	3950	2830	2020	M30-M64
PA3-550-8-530	558.8	22	48	52	510	20 <sup>1</sup> / <sub>16</sub>	72	120	73.0	8340	8340	8340	7460	5620	4140	2920	M42-M80
PA3-550-9-530	558.8	22	56	58	550	21 <sup>5</sup> / <sub>8</sub>	84	140	120.1	10000	10000	10000	10000	10000	9600	6730	M42-M80
PA3-550-10-530	558.8	22	64	65	570	22 <sup>7</sup> / <sub>16</sub>	96	160	140.8	14260	14260	14260	14260	14260	11060	7750	M42-M80
PA3-550-11-530	558.8	22	72	69	590	23 <sup>1</sup> / <sub>4</sub>	108	180	165.0	20230	20230	20230	19270	15700	12090	8470	M42-M80
PA3-550-12-530	558.8	22	80	77	600	23 <sup>1</sup> / <sub>4</sub>	120	220	207.6	26520	26520	25970	23050	18790	14460	10140	M72-M80
PA3-550-13-530	558.8	22	80	85	630	24 <sup>13</sup> / <sub>16</sub>	120	200	244.6	30830	30830	30830	30830	29060	23400	17390	M72-M80
PA3-550-3-560	558.8	22	20	20	540	21 <sup>1</sup> / <sub>4</sub>	30	80	23.0	1320	1320	1320	1320	1020	810	640	M12-M24
PA3-550-4-560	558.8	22	24	25	540	21 <sup>1</sup> / <sub>4</sub>	36	100	38.6	1770	1770	1770	1770	1770	1740	1390	M12-M36
PA3-550-5-560	558.8	22	30	29	540	21 <sup>1</sup> / <sub>4</sub>	45	110	43.2	2790	2790	2790	2790	2440	1930	1540	M12-M36
PA3-550-6-560	558.8	22	36	41	540	21 <sup>1</sup> / <sub>4</sub>	54	110	55.0	3810	3810	3810	3810	3790	3030	2420	M20-M64
PA3-550-7-560	558.8	22	42	45	540	21 <sup>1</sup> / <sub>4</sub>	63	110	67.9	5470	5470	5470	5470	5430	4390	3490	M30-M64
PA3-550-8-560	558.8	22	48	52	540	21 <sup>1</sup> / <sub>4</sub>	72	150	92.7	8340	8340	8340	8340	7480	6040	4800	M42-M80
PA3-550-9-560	558.8	22	56	58	550	21 <sup>5</sup> / <sub>8</sub>	84	140	120.1	10000	10000	10000	10000	10000	10000	8380	M42-M80
PA3-550-10-560	558.8	22	64	65	570	22 <sup>7</sup> / <sub>16</sub>	96	160	140.8	14260	14260	14260	14260	14260	12170	9650	M42-M80
PA3-550-11-560	558.8	22	72	69	590	23 <sup>1</sup> / <sub>4</sub>	108	200	182.4	20230	20230	20230	20230	18010	14790	11730	M42-M80
PA3-550-12-560	558.8	22	80	77	620	24 <sup>7</sup> / <sub>16</sub>	120	200	238.5	29380	29380	29380	29380	29380	25210	20440	M72-M80
PA3-550-13-560	558.8	22	80	85	630	24 <sup>13</sup> / <sub>16</sub>	120	200	244.6	30830	30830	30830	30830	29410	24760	20070	M72-M80
PA3-550-3-600	558.8	22	20	20	540	21 <sup>1</sup> / <sub>4</sub>	30	100	38.4	1320	1320	1320	1320	1320	1320	1320	M12-M24
PA3-550-4-600	558.8	22	24	25	540	21 <sup>1</sup> / <sub>4</sub>	36	90	43.5	1830	1830	1830	1830	1830	1830	1830	M12-M36
PA3-550-5-600	558.8	22	30	29	540	21 <sup>1</sup> / <sub>4</sub>	45	100	49.1	3000	3000	3000	3000	3000	2870	2290	M12-M36
PA3-550-6-600	558.8	22	36	41	540	21 <sup>1</sup> / <sub>4</sub>	54	120	71.8	3810	3810	3810	3810	3810	3810	3810	M20-M64
PA3-550-7-600	558.8	22	42	45	540	21 <sup>1</sup> / <sub>4</sub>	63	120	98.5	5470	5470	5470	5470	5470	5470	5470	M30-M64
PA3-550-8-600	558.8	22	48	52	540	21 <sup>1</sup> / <sub>4</sub>	72	130	107.5	9210	9210	9210	9210	9210	9210	8020	M42-M80
PA3-550-9-600	558.8	22	56	58	550	21 <sup>5</sup> / <sub>8</sub>	84	170	144.8	10000	10000	10000	10000	10000	10000	10000	M42-M80
PA3-550-10-600	558.8	22	64	65	590	23 <sup>1</sup> / <sub>4</sub>	96	180	199.3	15150	15150	15150	15150	15150	15150	15150	M42-M80
PA3-550-11-600	558.8	22	72	69	610	24	108	180	208.0	21450	21450	21450	21450	21450	21450	18770	M42-M80
PA3-550-12-600	558.8	22	80	77	620	24 <sup>7</sup> / <sub>16</sub>	120	230	272.5	29380	29380	29380	29380	29380	29000	23500	M72-M80
PA3-550-13-600	558.8	22	80	85	620	24 <sup>7</sup> / <sub>16</sub>	120	280	328.5	30030	30030	30030	30030	30030	30030	28840	M72-M80

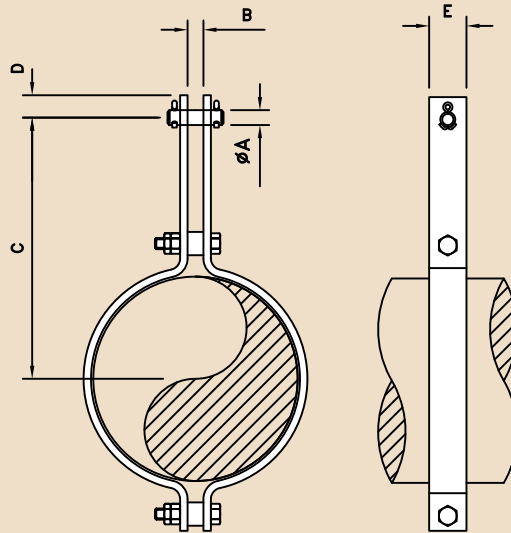
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-600-3-400	609.6	24	20	20	520	20 <sup>1</sup> / <sub>2</sub>	30	65	26.1	1320	1320						M12-M24
PA3-600-4-400	609.6	24	24	25	520	20 <sup>1</sup> / <sub>2</sub>	36	65	26.3	1620	1620						M12-M36
PA3-600-5-400	609.6	24	30	29	520	20 <sup>1</sup> / <sub>2</sub>	45	90	36.9	2360	2360						M12-M36
PA3-600-6-400	609.6	24	36	41	520	20 <sup>1</sup> / <sub>2</sub>	54	110	57.7	3810	3810						M20-M64
PA3-600-7-400	609.6	24	42	45	520	20 <sup>1</sup> / <sub>2</sub>	63	130	69.9	5470	5470						M30-M64
PA3-600-8-400	609.6	24	48	52	550	21 <sup>5</sup> / <sub>8</sub>	72	150	100.9	9320	9080						M42-M80
PA3-600-9-400	609.6	24	56	58	600	23 <sup>5</sup> / <sub>8</sub>	84	150	140.6	10000	10000						M42-M80
PA3-600-10-400	609.6	24	64	65	610	24	96	180	173.2	15020	15020						M42-M80
PA3-600-11-400	609.6	24	72	69	640	25 <sup>3</sup> / <sub>8</sub>	108	180	183.8	18700	18540						M42-M80
PA3-600-12-400	609.6	24	80	77	670	26 <sup>3</sup> / <sub>8</sub>	120	200	265.9	31290	31150						M72-M80
PA3-600-13-400	609.6	24	80	85	670	26 <sup>3</sup> / <sub>8</sub>	120	200	265.8	30830	30830						M72-M80
PA3-600-3-490	609.6	24	20	20	540	21 <sup>1</sup> / <sub>4</sub>	30	80	19.3	1130	1130	1020	810	530	370	270	M12-M24
PA3-600-4-490	609.6	24	24	25	540	21 <sup>1</sup> / <sub>4</sub>	36	100	30.5	1830	1830	1830	1530	1020	710	510	M12-M36
PA3-600-5-490	609.6	24	30	29	540	21 <sup>1</sup> / <sub>4</sub>	45	100	41.2	2730	2730	2730	2650	1830	1280	930	M12-M36
PA3-600-6-490	609.6	24	36	41	540	21 <sup>1</sup> / <sub>4</sub>	54	90	47.1	3810	3810	3810	3810	2790	2010	1440	M20-M64
PA3-600-7-490	609.6	24	42	45	540	21 <sup>1</sup> / <sub>4</sub>	63	120	64.2	5470	5470	5470	4880	3550	2560	1830	M30-M64
PA3-600-8-490	609.6	24	48	52	540	21 <sup>1</sup> / <sub>4</sub>	72	120	79.4	7970	7970	7690	6600	5020	3720	2620	M42-M80
PA3-600-9-490	609.6	24	56	58	560	22 <sup>1</sup> / <sub>16</sub>	84	150	101.1	10000	10000	10000	8650	6580	4880	3430	M42-M80
PA3-600-10-490	609.6	24	64	65	610	24	96	160	152.3	18660	18660	18310	16320	13410	10370	7330	M42-M80
PA3-600-11-490	609.6	24	72	69	620	24 <sup>7</sup> / <sub>16</sub>	108	180	174.3	18880	18880	18880	18430	15160	11720	8280	M42-M80
PA3-600-12-490	609.6	24	80	77	630	24 <sup>13</sup> / <sub>16</sub>	120	210	209.6	24030	24030	23570	21010	17280	13360	9440	M72-M80
PA3-600-13-490	609.6	24	80	85	660	26	120	200	258.1	30830	30830	30830	30830	27050	22000	16440	M72-M80
PA3-600-3-530	609.6	24	20	20	540	21 <sup>1</sup> / <sub>4</sub>	30	80	24.1	1320	1320	1320	1210	810	570	400	M12-M24
PA3-600-4-530	609.6	24	24	25	540	21 <sup>1</sup> / <sub>4</sub>	36	100	40.8	1830	1830	1830	1830	1820	1270	920	M12-M36
PA3-600-5-530	609.6	24	30	29	540	21 <sup>1</sup> / <sub>4</sub>	45	100	41.2	2730	2730	2730	2650	1830	1280	930	M12-M36
PA3-600-6-530	609.6	24	36	41	540	21 <sup>1</sup> / <sub>4</sub>	54	90	47.1	3810	3810	3810	3810	2790	2010	1440	M20-M64
PA3-600-7-530	609.6	24	42	45	540	21 <sup>1</sup> / <sub>4</sub>	63	110	70.9	5470	5470	5470	5470	4750	3520	2480	M30-M64
PA3-600-8-530	609.6	24	48	52	540	21 <sup>1</sup> / <sub>4</sub>	72	130	84.0	7810	7810	7810	7770	5910	4380	3080	M42-M80
PA3-600-9-530	609.6	24	56	58	580	22 <sup>13</sup> / <sub>16</sub>	84	140	127.3	10000	10000	10000	10000	10000	9320	6590	M42-M80
PA3-600-10-530	609.6	24	64	65	610	24	96	160	152.3	18660	18660	18310	16320	13410	10370	7330	M42-M80
PA3-600-11-530	609.6	24	72	69	620	24 <sup>7</sup> / <sub>16</sub>	108	180	174.3	18880	18880	18880	18430	15160	11720	8280	M42-M80
PA3-600-12-530	609.6	24	80	77	630	24 <sup>13</sup> / <sub>16</sub>	120	240	237.8	25880	25880	25880	24020	19740	15260	10790	M72-M80
PA3-600-13-530	609.6	24	80	85	660	26	120	200	258.1	30830	30830	30830	30830	27050	22000	16440	M72-M80
PA3-600-3-560	609.6	24	20	20	560	22 <sup>1</sup> / <sub>16</sub>	30	100	30.6	1320	1320	1320	1320	1150	910	720	M12-M24
PA3-600-4-560	609.6	24	24	25	560	22 <sup>1</sup> / <sub>16</sub>	36	100	40.9	1660	1660	1660	1660	1660	1650	1360	M12-M36
PA3-600-5-560	609.6	24	30	29	560	22 <sup>1</sup> / <sub>16</sub>	45	90	47.0	2920	2920	2920	2920	2920	2380	1890	M12-M36
PA3-600-6-560	609.6	24	36	41	560	22 <sup>1</sup> / <sub>16</sub>	54	110	58.2	3810	3810	3810	3810	3680	2950	2350	M20-M64
PA3-600-7-560	609.6	24	42	45	560	22 <sup>1</sup> / <sub>16</sub>	63	120	78.3	5470	5470	5470	5470	5470	4450	3530	M30-M64
PA3-600-8-560	609.6	24	48	52	560	22 <sup>1</sup> / <sub>16</sub>	72	160	104.2	7810	7810	7810	7810	7710	6250	4950	M42-M80
PA3-600-9-560	609.6	24	56	58	580	22 <sup>13</sup> / <sub>16</sub>	84	140	127.3	10000	10000	10000	10000	10000	10000	8120	M42-M80
PA3-600-10-560	609.6	24	64	65	610	24	96	160	152.3	18660	18660	18310	16500	13800	11350	9030	M42-M80
PA3-600-11-560	609.6	24	72	69	620	24 <sup>7</sup> / <sub>16</sub>	108	210	201.9	18880	18880	18880	18880	18190	14960	11910	M42-M80
PA3-600-12-560	609.6	24	80	77	650	25 <sup>9</sup> / <sub>16</sub>	120	200	252.0	27920	27920	27920	27920	27880	23610	19170	M72-M80
PA3-600-13-560	609.6	24	80	85	660	26	120	210	270.3	30830	30830	30830	30830	28750	24340	19770	M72-M80
PA3-600-3-600	609.6	24	20	20	560	22 <sup>1</sup> / <sub>16</sub>	30	100	40.8	1320	1320	1320	1320	1320	1320	1320	M12-M24
PA3-600-4-600	609.6	24	24	25	560	22 <sup>1</sup> / <sub>16</sub>	36	90	46.1	1780	1780	1780	1780	1780	1780	1780	M12-M36
PA3-600-5-600	609.6	24	30	29	560	22 <sup>1</sup> / <sub>16</sub>	45	110	57.3	2920	2920	2920	2920	2920	2900	2310	M12-M36
PA3-600-6-600	609.6	24	36	41	560	22 <sup>1</sup> / <sub>16</sub>	54	120	76.0	3810	3810	3810	3810	3810	3810	3810	M20-M64
PA3-600-7-600	609.6	24	42	45	560	22 <sup>1</sup> / <sub>16</sub>	63	120	104.4	5470	5470	5470	5470	5470	5470	5470	M30-M64
PA3-600-8-600	609.6	24	48	52	560	22 <sup>1</sup> / <sub>16</sub>	72	130	113.5	8620	8620	8620	8620	8620	8620	7780	M42-M80
PA3-600-9-600	609.6	24	56	58	580	22 <sup>13</sup> / <sub>16</sub>	84	170	153.6	10000	10000	10000	10000	10000	10000	10000	M42-M80
PA3-600-10-600	609.6	24	64	65	630	24 <sup>13</sup> / <sub>16</sub>	96	180	215.8	20230	20230	20230	20230	20230	20230	17540	M42-M80
PA3-600-11-600	609.6	24	72	69	640	25 <sup>3</sup> / <sub>16</sub>	108	190	232.0	20430	20430	20430	20430	20430	20430	18580	M42-M80
PA3-600-12-600	609.6	24	80	77	650	25 <sup>9</sup> / <sub>16</sub>	120	250	312.0	27920	27920	27920	27920	27920	27920	23960	M72-M80
PA3-600-13-600	609.6	24	80	85	660	26	120	300	379.8	30830	30830	30830	30830	30830	30830	28240	M72-M80

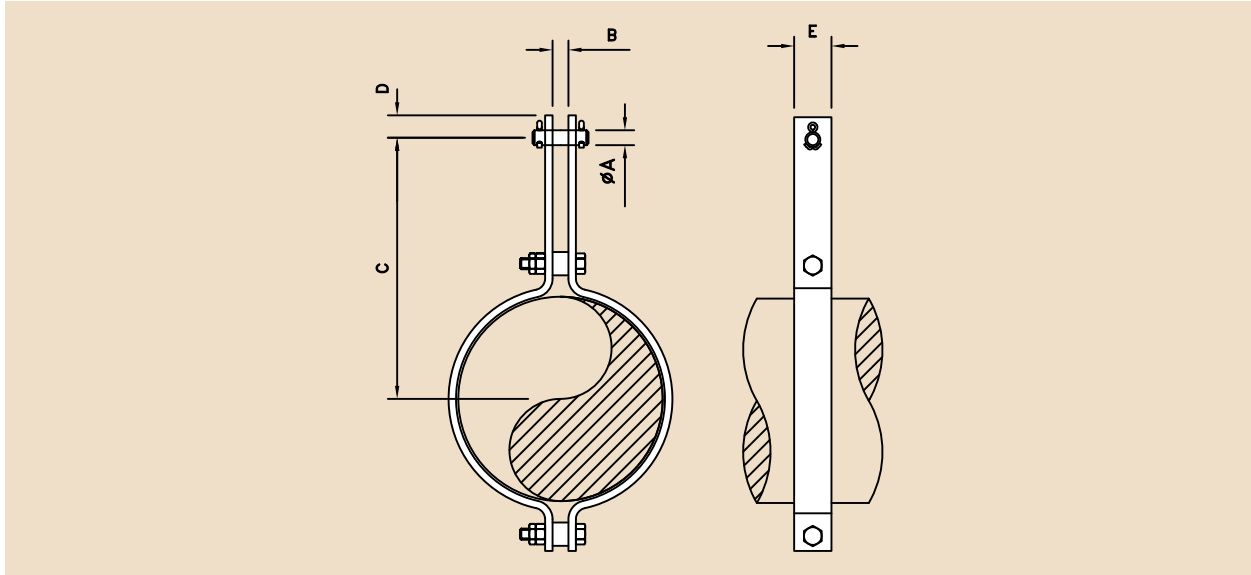
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in				mm	in	350	400	490	530	560		580
PA3-650-3-400	660.4	26	20	20	560	22 <sup>1</sup> / <sub>16</sub>	30	65	28.0	1320	1320							M12-M24
PA3-650-4-400	660.4	26	24	25	560	22 <sup>1</sup> / <sub>16</sub>	36	65	28.6	1830	1820							M12-M36
PA3-650-5-400	660.4	26	30	29	560	22 <sup>1</sup> / <sub>16</sub>	45	90	39.7	2340	2340							M12-M36
PA3-650-6-400	660.4	26	36	41	560	22 <sup>1</sup> / <sub>16</sub>	54	110	61.7	3810	3810							M20-M64
PA3-650-7-400	660.4	26	42	45	560	22 <sup>1</sup> / <sub>16</sub>	63	150	85.7	5470	5470							M30-M64
PA3-650-8-400	660.4	26	48	52	570	22 <sup>1</sup> / <sub>16</sub>	72	150	106.0	8870	8620							M42-M80
PA3-650-9-400	660.4	26	56	58	620	24 <sup>7</sup> / <sub>16</sub>	84	150	147.4	10000	10000							M42-M80
PA3-650-10-400	660.4	26	64	65	640	25 <sup>3</sup> / <sub>16</sub>	96	180	183.0	14530	14530							M42-M80
PA3-650-11-400	660.4	26	72	69	660	26	108	200	211.9	19740	19550							M42-M80
PA3-650-12-400	660.4	26	80	77	700	27 <sup>9</sup> / <sub>16</sub>	120	200	278.6	29700	29560							M72-M80
PA3-650-13-400	660.4	26	80	85	700	27 <sup>9</sup> / <sub>16</sub>	120	200	278.4	29940	29800							M72-M80
PA3-650-3-490	660.4	26	20	20	590	23 <sup>1</sup> / <sub>4</sub>	30	80	26.1	1320	1320	1320	1140	760	530	380		M12-M24
PA3-650-4-490	660.4	26	24	25	590	23 <sup>1</sup> / <sub>4</sub>	36	100	33.0	1830	1830	1800	1440	960	670	480		M12-M36
PA3-650-5-490	660.4	26	30	29	590	23 <sup>1</sup> / <sub>4</sub>	45	100	44.4	2600	2600	2600	2520	1730	1200	870		M12-M36
PA3-650-6-490	660.4	26	36	41	590	23 <sup>1</sup> / <sub>4</sub>	54	90	50.8	3810	3810	3810	3640	2630	1890	1350		M20-M64
PA3-650-7-490	660.4	26	42	45	590	23 <sup>1</sup> / <sub>4</sub>	63	130	74.9	5470	5470	5470	4780	3450	2480	1770		M30-M64
PA3-650-8-490	660.4	26	48	52	590	23 <sup>1</sup> / <sub>4</sub>	72	130	92.0	8220	8220	7910	6770	5120	3780	2660		M42-M80
PA3-650-9-490	660.4	26	56	58	590	23 <sup>1</sup> / <sub>4</sub>	84	160	114.1	10000	10000	9810	8400	6340	4680	3300		M42-M80
PA3-650-10-490	660.4	26	64	65	640	25 <sup>3</sup> / <sub>16</sub>	96	160	161.1	17180	17180	16840	14960	12230	9430	6630		M42-M80
PA3-650-11-490	660.4	26	72	69	650	25 <sup>9</sup> / <sub>16</sub>	108	180	186.9	18830	18830	18450	16400	13400	10330	7260		M42-M80
PA3-650-12-490	660.4	26	80	77	650	25 <sup>9</sup> / <sub>16</sub>	120	220	228.8	23920	23920	23440	20830	17030	13130	9230		M72-M80
PA3-650-13-490	660.4	26	80	85	690	27 <sup>3</sup> / <sub>16</sub>	120	200	270.7	30830	30830	30830	29420	25570	20660	15380		M72-M80
PA3-650-3-530	660.4	26	20	20	590	23 <sup>1</sup> / <sub>4</sub>	30	80	26.1	1320	1320	1320	1140	760	530	380		M12-M24
PA3-650-4-530	660.4	26	24	25	590	23 <sup>1</sup> / <sub>4</sub>	36	100	43.5	1580	1580	1580	1580	1580	1270	920		M12-M36
PA3-650-5-530	660.4	26	30	29	590	23 <sup>1</sup> / <sub>4</sub>	45	100	44.4	2600	2600	2600	2520	1730	1200	870		M12-M36
PA3-650-6-530	660.4	26	36	41	590	23 <sup>1</sup> / <sub>4</sub>	54	100	56.3	3810	3810	3810	3810	2920	2100	1500		M20-M64
PA3-650-7-530	660.4	26	42	45	590	23 <sup>1</sup> / <sub>4</sub>	63	110	76.2	5470	5470	5470	5470	4470	3300	2330		M30-M64
PA3-650-8-530	660.4	26	48	52	590	23 <sup>1</sup> / <sub>4</sub>	72	140	97.3	7630	7630	7630	7600	5740	4240	2990		M42-M80
PA3-650-9-530	660.4	26	56	58	610	24	84	140	135.0	10000	10000	10000	10000	10000	8460	5950		M42-M80
PA3-650-10-530	660.4	26	64	65	640	25 <sup>3</sup> / <sub>16</sub>	96	160	161.1	17180	17180	16840	14960	12230	9430	6630		M42-M80
PA3-650-11-530	660.4	26	72	69	650	25 <sup>9</sup> / <sub>16</sub>	108	200	206.6	20920	20920	20500	18220	14890	11480	8070		M42-M80
PA3-650-12-530	660.4	26	80	77	670	26 <sup>3</sup> / <sub>8</sub>	120	200	263.2	26340	26340	26340	26340	26070	21070	15680		M72-M80
PA3-650-13-530	660.4	26	80	85	690	27 <sup>3</sup> / <sub>16</sub>	120	200	270.7	30830	30830	30830	29420	25570	20660	15380		M72-M80
PA3-650-3-560	660.4	26	20	20	610	24	30	100	33.0	1320	1320	1320	1320	1090	860	680		M12-M24
PA3-650-4-560	660.4	26	24	25	610	24	36	100	44.2	1580	1580	1580	1580	1580	1580	1280		M12-M36
PA3-650-5-560	660.4	26	30	29	610	24	45	90	50.7	2780	2780	2780	2780	2780	2240	1790		M12-M36
PA3-650-6-560	660.4	26	36	41	610	24	54	120	68.2	3810	3810	3810	3810	3790	3040	2420		M20-M64
PA3-650-7-560	660.4	26	42	45	610	24	63	130	90.9	5470	5470	5470	5470	5470	4540	3600		M30-M64
PA3-650-8-560	660.4	26	48	52	610	24	72	120	113.0	8380	8380	8380	8380	8380	8210	6520		M42-M80
PA3-650-9-560	660.4	26	56	58	610	24	84	140	135.0	10000	10000	10000	10000	10000	9300	7380		M42-M80
PA3-650-10-560	660.4	26	64	65	640	25 <sup>3</sup> / <sub>16</sub>	96	170	170.7	18090	18090	17890	16080	13400	11010	8740		M42-M80
PA3-650-11-560	660.4	26	72	69	670	26 <sup>3</sup> / <sub>8</sub>	108	180	234.7	25850	25850	25850	25850	23580	19890	16130		M42-M80
PA3-650-12-560	660.4	26	80	77	670	26 <sup>3</sup> / <sub>8</sub>	120	200	263.2	26340	26340	26340	26340	26340	22260	18050		M72-M80
PA3-650-13-560	660.4	26	80	85	690	27 <sup>3</sup> / <sub>16</sub>	120	220	296.3	30830	30830	30830	30830	28470	24020	19480		M72-M80
PA3-650-3-600	660.4	26	20	20	610	24	30	100	44.0	1320	1320	1320	1320	1320	1320	1270		M12-M24
PA3-650-4-600	660.4	26	24	25	610	24	36	90	49.8	1700	1700	1700	1700	1700	1700	1700		M12-M36
PA3-650-5-600	660.4	26	30	29	610	24	45	120	67.3	2780	2780	2780	2780	2780	2780	2380		M12-M36
PA3-650-6-600	660.4	26	36	41	610	24	54	130	88.8	3810	3810	3810	3810	3810	3810	3750		M20-M64
PA3-650-7-600	660.4	26	42	45	610	24	63	120	112.0	5470	5470	5470	5470	5470	5470	5470		M30-M64
PA3-650-8-600	660.4	26	48	52	610	24	72	140	131.3	8380	8380	8380	8380	8380	8380	7600		M42-M80
PA3-650-9-600	660.4	26	56	58	610	24	84	190	181.5	10000	10000	10000	10000	10000	10000	10000		M42-M80
PA3-650-10-600	660.4	26	64	65	650	25 <sup>9</sup> / <sub>16</sub>	96	180	225.8	19130	19130	19130	19130	19130	19130	16540		M42-M80
PA3-650-11-600	660.4	26	72	69	660	26	108	200	254.8	19310	19310	19310	19310	19310	19310	18440		M42-M80
PA3-650-12-600	660.4	26	80	77	670	26 <sup>3</sup> / <sub>8</sub>	120	260	338.5	26340	26340	26340	26340	26340	26340	23470		M72-M80
PA3-650-13-600	660.4	26	80	85	690	27 <sup>3</sup> / <sub>16</sub>	120	320	424.3	30830	30830	30830	30830	30830	30830	28330		M72-M80

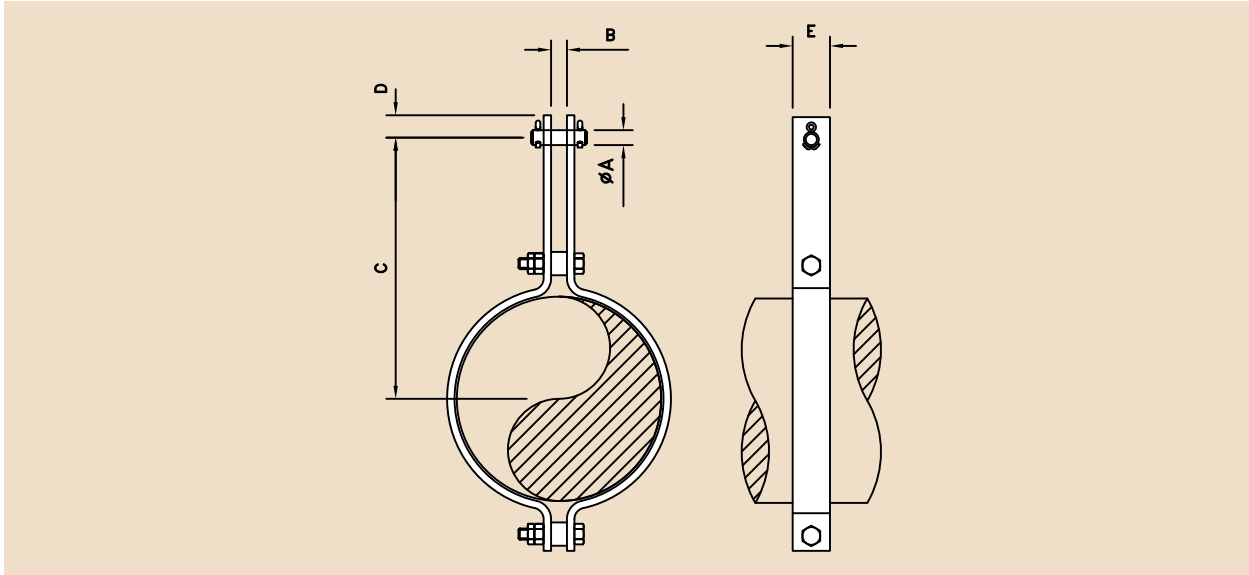
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-700-3-400	711.2	28	20	20	590	23 <sup>1</sup> / <sub>4</sub>	30	65	29.7	1320	1320						M12-M24
PA3-700-4-400	711.2	28	24	25	590	23 <sup>1</sup> / <sub>4</sub>	36	65	30.2	1830	1740						M12-M36
PA3-700-5-400	711.2	28	30	29	590	23 <sup>1</sup> / <sub>4</sub>	45	90	42.8	2420	2300						M12-M36
PA3-700-6-400	711.2	28	36	41	590	23 <sup>1</sup> / <sub>4</sub>	54	110	65.3	3810	3810						M20-M64
PA3-700-7-400	711.2	28	42	45	590	23 <sup>1</sup> / <sub>4</sub>	63	150	90.6	5470	5470						M30-M64
PA3-700-8-400	711.2	28	48	52	600	23 <sup>9</sup> / <sub>8</sub>	72	150	111.8	8470	8220						M42-M80
PA3-700-9-400	711.2	28	56	58	650	25 <sup>9</sup> / <sub>16</sub>	84	150	157.4	10000	10000						M42-M80
PA3-700-10-400	711.2	28	64	65	670	26 <sup>3</sup> / <sub>8</sub>	96	180	192.2	13810	13810						M42-M80
PA3-700-11-400	711.2	28	72	69	690	27 <sup>3</sup> / <sub>16</sub>	108	200	222.1	18830	18650						M42-M80
PA3-700-12-400	711.2	28	80	77	730	28 <sup>3</sup> / <sub>4</sub>	120	200	292.1	27670	27530						M72-M80
PA3-700-13-400	711.2	28	80	85	740	29 <sup>1</sup> / <sub>8</sub>	120	220	327.3	30000	29850						M72-M80
PA3-700-3-490	711.2	28	20	20	610	24	30	80	27.5	1320	1320	1320	1090	720	500	360	M12-M24
PA3-700-4-490	711.2	28	24	25	610	24	36	100	34.8	1750	1750	1600	1270	850	590	420	M12-M36
PA3-700-5-490	711.2	28	30	29	610	24	45	100	46.7	2490	2490	2490	2390	1630	1130	820	M12-M36
PA3-700-6-490	711.2	28	36	41	610	24	54	90	53.5	3810	3810	3810	3290	2360	1680	1210	M20-M64
PA3-700-7-490	711.2	28	42	45	610	24	63	130	78.6	5470	5470	5390	4550	3260	2330	1670	M30-M64
PA3-700-8-490	711.2	28	48	52	610	24	72	130	96.4	7850	7850	7550	6440	4830	3550	2510	M42-M80
PA3-700-9-490	711.2	28	56	58	630	24 <sup>13</sup> / <sub>16</sub>	84	140	141.2	10000	10000	10000	10000	10000	7980	5580	M42-M80
PA3-700-10-490	711.2	28	64	65	660	26	96	160	168.2	16410	16410	16060	14230	11560	8890	6210	M42-M80
PA3-700-11-490	711.2	28	72	69	680	26 <sup>3</sup> / <sub>4</sub>	108	190	206.4	18970	18970	18560	16450	13370	10270	7180	M42-M80
PA3-700-12-490	711.2	28	80	77	680	26 <sup>3</sup> / <sub>4</sub>	120	240	261.5	23700	23700	23630	20940	17020	13080	9140	M72-M80
PA3-700-13-490	711.2	28	80	85	720	28 <sup>3</sup> / <sub>8</sub>	120	200	284.2	30120	30120	29980	27280	23670	19000	14090	M72-M80
PA3-700-3-530	711.2	28	20	20	610	24	30	80	27.5	1320	1320	1320	1090	720	500	360	M12-M24
PA3-700-4-530	711.2	28	24	25	610	24	36	100	46.3	1830	1830	1830	1830	1620	1130	810	M12-M36
PA3-700-5-530	711.2	28	30	29	610	24	45	100	46.7	2490	2490	2490	2390	1630	1130	820	M12-M36
PA3-700-6-530	711.2	28	36	41	610	24	54	100	59.3	3810	3810	3810	3650	2620	1870	1340	M20-M64
PA3-700-7-530	711.2	28	42	45	610	24	63	110	80.0	5470	5470	5470	5470	4230	3110	2200	M30-M64
PA3-700-8-530	711.2	28	48	52	610	24	72	150	110.7	9060	9060	8710	7430	5580	4100	2900	M42-M80
PA3-700-9-530	711.2	28	56	58	630	24 <sup>13</sup> / <sub>16</sub>	84	140	141.2	10000	10000	10000	10000	10000	7980	5580	M42-M80
PA3-700-10-530	711.2	28	64	65	660	26	96	160	168.2	16410	16410	16060	14230	11560	8890	6210	M42-M80
PA3-700-11-530	711.2	28	72	69	680	26 <sup>3</sup> / <sub>4</sub>	108	210	227.1	20960	20960	20510	18180	14770	11350	7940	M42-M80
PA3-700-12-530	711.2	28	80	77	700	27 <sup>9</sup> / <sub>16</sub>	120	200	275.9	24990	24990	24990	24990	24770	19890	14750	M72-M80
PA3-700-13-530	711.2	28	80	85	720	28 <sup>3</sup> / <sub>8</sub>	120	210	297.7	30830	30830	30830	28640	24850	19950	14790	M72-M80
PA3-700-3-560	711.2	28	20	20	640	25 <sup>3</sup> / <sub>16</sub>	30	100	35.0	1320	1320	1320	1320	1030	820	640	M12-M24
PA3-700-4-560	711.2	28	24	25	640	25 <sup>3</sup> / <sub>16</sub>	36	100	47.2	1830	1830	1830	1830	1800	1420	1140	M12-M36
PA3-700-5-560	711.2	28	30	29	640	25 <sup>3</sup> / <sub>16</sub>	45	90	53.6	2660	2660	2660	2660	2660	2120	1690	M12-M36
PA3-700-6-560	711.2	28	36	41	640	25 <sup>3</sup> / <sub>16</sub>	54	100	72.5	3810	3810	3810	3810	3810	3440	2730	M20-M64
PA3-700-7-560	711.2	28	42	45	640	25 <sup>3</sup> / <sub>16</sub>	63	140	103.1	5470	5470	5470	5470	5470	4630	3680	M30-M64
PA3-700-8-560	711.2	28	48	52	640	25 <sup>3</sup> / <sub>16</sub>	72	120	120.8	10910	10910	10910	10910	9140	7510	5940	M42-M80
PA3-700-9-560	711.2	28	56	58	640	25 <sup>3</sup> / <sub>16</sub>	84	140	142.1	10000	10000	10000	10000	10000	8810	6980	M42-M80
PA3-700-10-560	711.2	28	64	65	660	26	96	180	188.4	17200	17200	17200	16190	13440	11030	8740	M42-M80
PA3-700-11-560	711.2	28	72	69	700	27 <sup>9</sup> / <sub>16</sub>	108	180	247.0	25030	25030	25030	25020	21810	18320	14840	M42-M80
PA3-700-12-560	711.2	28	80	77	700	27 <sup>9</sup> / <sub>16</sub>	120	200	275.9	24990	24990	24990	24990	24990	21070	17070	M72-M80
PA3-700-13-560	711.2	28	80	85	720	28 <sup>3</sup> / <sub>8</sub>	120	240	338.1	30830	30830	30830	30830	28750	24160	19570	M72-M80
PA3-700-3-600	711.2	28	20	20	640	25 <sup>3</sup> / <sub>16</sub>	30	100	46.6	1320	1320	1320	1320	1320	1320	1210	M12-M24
PA3-700-4-600	711.2	28	24	25	640	25 <sup>3</sup> / <sub>16</sub>	36	90	52.7	1630	1630	1630	1630	1630	1630	1620	M12-M36
PA3-700-5-600	711.2	28	30	29	640	25 <sup>3</sup> / <sub>16</sub>	45	100	71.4	2830	2830	2830	2830	2830	2830	2830	M12-M36
PA3-700-6-600	711.2	28	36	41	640	25 <sup>3</sup> / <sub>16</sub>	54	140	101.0	3810	3810	3810	3810	3810	3810	3810	M20-M64
PA3-700-7-600	711.2	28	42	45	640	25 <sup>3</sup> / <sub>16</sub>	63	120	118.2	5470	5470	5470	5470	5470	5470	5470	M30-M64
PA3-700-8-600	711.2	28	48	52	640	25 <sup>3</sup> / <sub>16</sub>	72	150	148.2	7980	7980	7980	7980	7980	7980	7700	M42-M80
PA3-700-9-600	711.2	28	56	58	640	25 <sup>3</sup> / <sub>16</sub>	84	200	201.0	10000	10000	10000	10000	10000	10000	9970	M42-M80
PA3-700-10-600	711.2	28	64	65	680	26 <sup>3</sup> / <sub>4</sub>	96	180	238.0	18540	18540	18540	18540	18540	18540	15200	M42-M80
PA3-700-11-600	711.2	28	72	69	690	27 <sup>3</sup> / <sub>16</sub>	108	220	294.5	18710	18710	18710	18710	18710	18710	18640	M42-M80
PA3-700-12-600	711.2	28	80	77	700	27 <sup>9</sup> / <sub>16</sub>	120	270	368.3	24990	24990	24990	24990	24990	24990	23040	M72-M80
PA3-700-13-600	711.2	28	80	85	720	28 <sup>3</sup> / <sub>8</sub>	120	350	486.3	30830	30830	30830	30830	30830	30830	28530	M72-M80

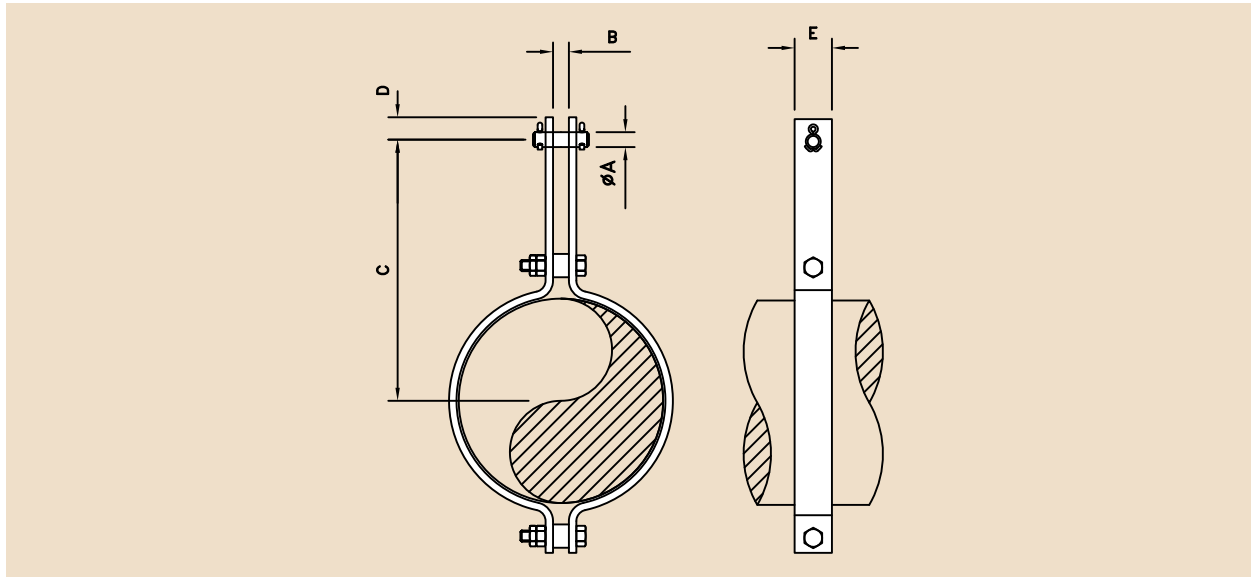
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in				mm	in	350	400	490	530	560		580
PA3-750-4-400	762	30	24	25	640	25 <sup>3</sup> / <sub>16</sub>	36	65	32.4	1780	1690							M12-M36
PA3-750-5-400	762	30	30	29	640	25 <sup>3</sup> / <sub>16</sub>	45	110	55.6	2870	2730							M12-M36
PA3-750-6-400	762	30	36	41	640	25 <sup>3</sup> / <sub>16</sub>	54	110	69.7	3810	3810							M20-M64
PA3-750-7-400	762	30	42	45	640	25 <sup>3</sup> / <sub>16</sub>	63	150	96.7	5470	5470							M30-M64
PA3-750-8-400	762	30	48	52	640	25 <sup>3</sup> / <sub>16</sub>	72	150	118.5	8160	8160	7940						M42-M80
PA3-750-9-400	762	30	56	58	680	26 <sup>3</sup> / <sub>4</sub>	84	150	165.7	10000	10000							M42-M80
PA3-750-10-400	762	30	64	65	710	27 <sup>15</sup> / <sub>16</sub>	96	180	207.1	15770	15630							M42-M80
PA3-750-11-400	762	30	72	69	720	28 <sup>3</sup> / <sub>8</sub>	108	220	255.3	19030	19030							M42-M80
PA3-750-12-400	762	30	80	77	750	29 <sup>1</sup> / <sub>2</sub>	120	200	303.4	26550	26430							M72-M80
PA3-750-13-400	762	30	80	85	750	29 <sup>1</sup> / <sub>2</sub>	120	220	331.8	28280	28280							M72-M80
PA3-750-4-490	762	30	24	25	660	26	36	100	49.6	1830	1830	1830	1830	1610	1120	810		M12-M36
PA3-750-5-490	762	30	30	29	660	26	45	100	50.0	2370	2370	2370	2340	1620	1120	820		M12-M36
PA3-750-6-490	762	30	36	41	660	26	54	90	57.2	3810	3810	3790	3210	2320	1670	1190		M20-M64
PA3-750-7-490	762	30	42	45	660	26	63	110	85.4	5470	5470	5470	5470	4150	3070	2160		M30-M64
PA3-750-8-490	762	30	48	52	660	26	72	140	110.5	8160	8160	7860	6740	5110	3780	2660		M42-M80
PA3-750-9-490	762	30	56	58	660	26	84	140	148.5	10000	10000	10000	10000	10000	7850	5530		M42-M80
PA3-750-10-490	762	30	64	65	690	27 <sup>3</sup> / <sub>16</sub>	96	160	176.6	15800	15800	15490	13790	11300	8730	6150		M42-M80
PA3-750-11-490	762	30	72	69	700	27 <sup>9</sup> / <sub>16</sub>	108	200	226.0	19200	19200	18830	16760	13740	10610	7480		M42-M80
PA3-750-12-490	762	30	80	77	750	29 <sup>1</sup> / <sub>2</sub>	120	200	298.2	28010	28010	27940	25480	22170	17970	13400		M72-M80
PA3-750-13-490	762	30	80	85	740	29 <sup>1</sup> / <sub>8</sub>	120	200	295.6	28930	28930	28850	26310	22890	18560	13840		M72-M80
PA3-750-4-530	762	30	24	25	660	26	36	100	49.6	1830	1830	1830	1830	1610	1120	810		M12-M36
PA3-750-5-530	762	30	30	29	660	26	45	100	50.0	2370	2370	2370	2340	1620	1120	820		M12-M36
PA3-750-6-530	762	30	36	41	660	26	54	110	69.6	3810	3810	3810	3810	2840	2040	1460		M20-M64
PA3-750-7-530	762	30	42	45	660	26	63	110	85.4	5470	5470	5470	5470	4150	3070	2160		M30-M64
PA3-750-8-530	762	30	48	52	660	26	72	160	125.7	9320	9320	8980	7700	5840	4320	3040		M42-M80
PA3-750-9-530	762	30	56	58	660	26	84	140	148.5	10000	10000	10000	10000	10000	7850	5530		M42-M80
PA3-750-10-530	762	30	64	65	690	27 <sup>3</sup> / <sub>16</sub>	96	160	176.6	15800	15800	15490	13790	11300	8730	6150		M42-M80
PA3-750-11-530	762	30	72	69	700	27 <sup>9</sup> / <sub>16</sub>	108	220	247.6	21120	21120	20710	18440	15110	11670	8220		M42-M80
PA3-750-12-530	762	30	80	77	750	29 <sup>1</sup> / <sub>2</sub>	120	200	298.2	28010	28010	27940	25480	22170	17970	13400		M72-M80
PA3-750-13-530	762	30	80	85	740	29 <sup>1</sup> / <sub>8</sub>	120	220	323.6	30830	30830	30830	28940	25180	20410	15220		M72-M80
PA3-750-4-560	762	30	24	25	690	27 <sup>3</sup> / <sub>16</sub>	36	100	50.5	1830	1830	1830	1830	1780	1400	1120		M12-M36
PA3-750-5-560	762	30	30	29	690	27 <sup>3</sup> / <sub>16</sub>	45	90	57.3	2530	2530	2530	2530	2530	2090	1670		M12-M36
PA3-750-6-560	762	30	36	41	690	27 <sup>3</sup> / <sub>16</sub>	54	100	77.4	3810	3810	3810	3810	3810	3380	2680		M20-M64
PA3-750-7-560	762	30	42	45	690	27 <sup>3</sup> / <sub>16</sub>	63	140	110.0	5470	5470	5470	5470	5470	4540	3600		M30-M64
PA3-750-8-560	762	30	48	52	690	27 <sup>3</sup> / <sub>16</sub>	72	120	128.6	10910	10910	10910	10690	8920	7340	5830		M42-M80
PA3-750-9-560	762	30	56	58	690	27 <sup>3</sup> / <sub>16</sub>	84	140	151.2	10000	10000	10000	10000	10000	8610	6840		M42-M80
PA3-750-10-560	762	30	64	65	690	27 <sup>3</sup> / <sub>16</sub>	96	190	208.4	16320	16320	16320	16320	13820	11370	9030		M42-M80
PA3-750-11-560	762	30	72	69	720	28 <sup>3</sup> / <sub>8</sub>	108	180	257.2	23740	23740	23740	23740	21120	17850	14490		M42-M80
PA3-750-12-560	762	30	80	77	730	28 <sup>1</sup> / <sub>4</sub>	120	200	289.6	24140	24140	24140	24140	24140	24140	19970		M72-M80
PA3-750-13-560	762	30	80	85	740	29 <sup>1</sup> / <sub>8</sub>	120	250	365.7	30830	30830	30830	30830	28960	24480	19870		M72-M80
PA3-750-4-600	762	30	24	25	690	27 <sup>3</sup> / <sub>16</sub>	36	90	56.5	1610	1610	1610	1610	1610	1610	1610		M12-M36
PA3-750-5-600	762	30	30	29	690	27 <sup>3</sup> / <sub>16</sub>	45	100	76.3	2690	2690	2690	2690	2690	2690	2690		M12-M36
PA3-750-6-600	762	30	36	41	690	27 <sup>3</sup> / <sub>16</sub>	54	140	107.8	3810	3810	3810	3810	3810	3810	3760		M20-M64
PA3-750-7-600	762	30	42	45	690	27 <sup>3</sup> / <sub>16</sub>	63	120	125.9	5470	5470	5470	5470	5470	5470	5470		M30-M64
PA3-750-8-600	762	30	48	52	690	27 <sup>3</sup> / <sub>16</sub>	72	150	157.9	7580	7580	7580	7580	7580	7580	7560		M42-M80
PA3-750-9-600	762	30	56	58	690	27 <sup>3</sup> / <sub>16</sub>	84	200	214.0	10000	10000	10000	10000	10000	10000	9770		M42-M80
PA3-750-10-600	762	30	64	65	710	27 <sup>15</sup> / <sub>16</sub>	96	180	249.7	17590	17590	17590	17590	17590	17590	14850		M42-M80
PA3-750-11-600	762	30	72	69	720	28 <sup>3</sup> / <sub>8</sub>	108	230	326.0	23740	23740	23740	23740	23740	22810	18510		M42-M80
PA3-750-12-600	762	30	80	77	730	28 <sup>3</sup> / <sub>4</sub>	120	290	414.5	24140	24140	24140	24140	24140	24140	23500		M72-M80

# PA3 PIPE CLAMP THREE BOLT TYPE

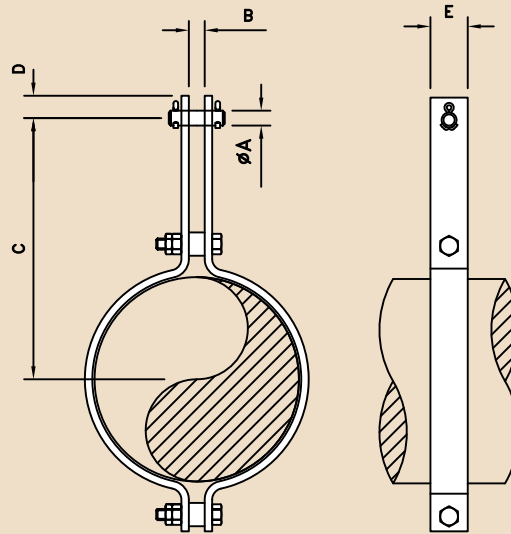


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-800-4-400	812.8	32	24	25	660	26	36	65	33.9	1730	1650						M12-M36
PA3-800-5-400	812.8	32	30	29	660	26	45	110	58.2	2790	2660						M12-M36
PA3-800-6-400	812.8	32	36	41	660	26	54	110	72.9	3650	3650						M20-M64
PA3-800-7-400	812.8	32	42	45	660	26	63	150	101.1	5470	5470						M30-M64
PA3-800-8-400	812.8	32	48	52	660	26	72	150	124.1	7610	7420						M42-M80
PA3-800-9-400	812.8	32	56	58	710	27 <sup>15</sup> / <sub>16</sub>	84	150	173.7	10000	10000						M42-M80
PA3-800-10-400	812.8	32	64	65	740	29 <sup>1</sup> / <sub>8</sub>	96	180	216.5	15200	15070						M42-M80
PA3-800-11-400	812.8	32	72	69	740	29 <sup>1</sup> / <sub>8</sub>	108	220	265.4	18120	18120						M42-M80
PA3-800-12-400	812.8	32	80	77	780	30 <sup>11</sup> / <sub>16</sub>	120	200	317.3	24970	24870						M72-M80
PA3-800-13-400	812.8	32	80	85	790	31 <sup>1</sup> / <sub>8</sub>	120	240	385.3	29520	29400						M72-M80
PA3-800-4-490	812.8	32	24	25	690	27 <sup>3</sup> / <sub>16</sub>	36	100	52.2	1830	1830	1830	1600	1120	810		M12-M36
PA3-800-5-490	812.8	32	30	29	690	27 <sup>3</sup> / <sub>16</sub>	45	100	53.1	2760	2760	2580	2160	1510	1060	770	M12-M36
PA3-800-6-490	812.8	32	36	41	690	27 <sup>3</sup> / <sub>16</sub>	54	90	60.1	3710	3710	3700	3140	2300	1670	1180	M20-M64
PA3-800-7-490	812.8	32	42	45	690	27 <sup>3</sup> / <sub>16</sub>	63	110	89.7	5470	5470	5470	5350	4100	3050	2140	M30-M64
PA3-800-8-490	812.8	32	48	52	690	27 <sup>3</sup> / <sub>16</sub>	72	150	124.4	8130	8130	7850	6760	5180	3850	2710	M42-M80
PA3-800-9-490	812.8	32	56	58	690	27 <sup>3</sup> / <sub>16</sub>	84	140	156.4	10000	10000	10000	10000	9640	7470	5310	M42-M80
PA3-800-10-490	812.8	32	64	65	720	28 <sup>3</sup> / <sub>8</sub>	96	160	185.4	14780	14780	14520	12980	10730	8320	5910	M42-M80
PA3-800-11-490	812.8	32	72	69	730	28 <sup>3</sup> / <sub>4</sub>	108	210	248.4	18880	18880	18550	16580	13710	10630	7550	M42-M80
PA3-800-12-490	812.8	32	80	77	770	30 <sup>5</sup> / <sub>16</sub>	120	200	309.7	26990	26990	26980	24660	21510	17600	13200	M72-M80
PA3-800-13-490	812.8	32	80	85	770	30 <sup>5</sup> / <sub>16</sub>	120	210	324.1	28530	28530	28520	26070	22740	18610	13960	M72-M80
PA3-800-4-530	812.8	32	24	25	690	27 <sup>3</sup> / <sub>16</sub>	36	100	52.2	1830	1830	1830	1830	1600	1120	810	M12-M36
PA3-800-5-530	812.8	32	30	29	690	27 <sup>3</sup> / <sub>16</sub>	45	110	58.4	3030	3030	2840	2380	1660	1170	840	M12-M36
PA3-800-6-530	812.8	32	36	41	690	27 <sup>3</sup> / <sub>16</sub>	54	110	73.2	3710	3710	3710	3710	2810	2040	1450	M20-M64
PA3-800-7-530	812.8	32	42	45	690	27 <sup>3</sup> / <sub>16</sub>	63	110	89.7	5470	5470	5470	5350	4100	3050	2140	M30-M64
PA3-800-8-530	812.8	32	48	52	690	27 <sup>3</sup> / <sub>16</sub>	72	120	133.0	10910	10910	10910	9940	8210	6370	4520	M42-M80
PA3-800-9-530	812.8	32	56	58	690	27 <sup>3</sup> / <sub>16</sub>	84	140	156.4	10000	10000	10000	10000	9640	7470	5310	M42-M80
PA3-800-10-530	812.8	32	64	65	720	28 <sup>3</sup> / <sub>8</sub>	96	170	196.6	15700	15700	15430	13790	11400	8840	6280	M42-M80
PA3-800-11-530	812.8	32	72	69	750	29 <sup>1</sup> / <sub>2</sub>	108	180	269.7	23030	23030	23030	22620	19730	16150	12110	M42-M80
PA3-800-12-530	812.8	32	80	77	770	30 <sup>5</sup> / <sub>16</sub>	120	200	309.7	26990	26990	26980	24660	21510	17600	13200	M72-M80
PA3-800-13-530	812.8	32	80	85	770	30 <sup>5</sup> / <sub>16</sub>	120	230	353.6	30830	30830	30830	28550	24900	20380	15290	M72-M80
PA3-800-4-560	812.8	32	24	25	710	27 <sup>15</sup> / <sub>16</sub>	36	100	52.8	1830	1830	1830	1830	1750	1390	1110	M12-M36
PA3-800-5-560	812.8	32	30	29	710	27 <sup>15</sup> / <sub>16</sub>	45	90	60.1	2510	2510	2510	2510	2440	1960	1560	M12-M36
PA3-800-6-560	812.8	32	36	41	710	27 <sup>15</sup> / <sub>16</sub>	54	100	80.9	3810	3810	3810	3810	3810	3330	2640	M20-M64
PA3-800-7-560	812.8	32	42	45	710	27 <sup>15</sup> / <sub>16</sub>	63	140	114.8	5470	5470	5470	5470	5470	4470	3540	M30-M64
PA3-800-8-560	812.8	32	48	52	710	27 <sup>15</sup> / <sub>16</sub>	72	120	134.5	10910	10910	10910	10050	8430	6940	5540	M42-M80
PA3-800-9-560	812.8	32	56	58	710	27 <sup>15</sup> / <sub>16</sub>	84	140	158.1	10000	10000	10000	10000	9890	8150	6500	M42-M80
PA3-800-10-560	812.8	32	64	65	720	28 <sup>3</sup> / <sub>8</sub>	96	200	230.0	15890	15890	15890	15890	13770	11340	9040	M42-M80
PA3-800-11-560	812.8	32	72	69	750	29 <sup>1</sup> / <sub>2</sub>	108	180	269.7	23030	23030	23030	22770	19970	16980	13810	M42-M80
PA3-800-12-560	812.8	32	80	77	770	30 <sup>5</sup> / <sub>16</sub>	120	220	339.3	29690	29690	29670	27300	23950	20360	16550	M72-M80
PA3-800-13-560	812.8	32	80	85	770	30 <sup>5</sup> / <sub>16</sub>	120	260	397.8	30830	30830	30830	30830	28490	24220	19700	M72-M80
PA3-800-4-600	812.8	32	24	25	710	27 <sup>15</sup> / <sub>16</sub>	36	100	66.2	1830	1830	1830	1830	1830	1830	1720	M12-M36
PA3-800-5-600	812.8	32	30	29	710	27 <sup>15</sup> / <sub>16</sub>	45	100	80.0	2650	2650	2650	2650	2650	2650	2610	M12-M36
PA3-800-6-600	812.8	32	36	41	710	27 <sup>15</sup> / <sub>16</sub>	54	140	112.7	3810	3810	3810	3810	3810	3810	3700	M20-M64
PA3-800-7-600	812.8	32	42	45	710	27 <sup>15</sup> / <sub>16</sub>	63	120	131.9	5470	5470	5470	5470	5470	5470	5470	M30-M64
PA3-800-8-600	812.8	32	48	52	710	27 <sup>15</sup> / <sub>16</sub>	72	160	176.1	7410	7410	7410	7410	7410	7410	7410	M42-M80
PA3-800-9-600	812.8	32	56	58	710	27 <sup>15</sup> / <sub>16</sub>	84	210	234.9	10000	10000	10000	10000	10000	10000	9750	M42-M80
PA3-800-10-600	812.8	32	64	65	740	29 <sup>1</sup> / <sub>8</sub>	96	180	262.0	17090	17090	17090	17090	17090	17090	14140	M42-M80
PA3-800-11-600	812.8	32	72	69	750	29 <sup>1</sup> / <sub>2</sub>	108	240	356.3	23030	23030	23030	23030	23030	22640	18410	M42-M80
PA3-800-12-600	812.8	32	80	77	770	30 <sup>5</sup> / <sub>16</sub>	120	310	472.2	32900	32900	32900	32900	32900	28680	23330	M72-M80



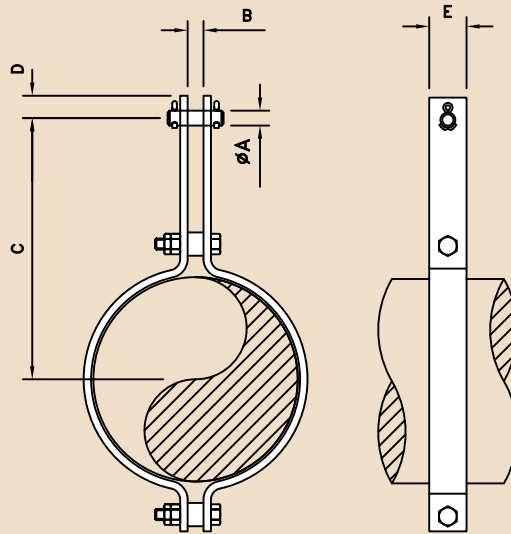
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	mm				mm	in	350	400	490	530	560		580
PA3-850-4-400	863.6	34	24	25	710	27 <sup>15</sup> / <sub>16</sub>	36	65	36.0	1670	1590							M12-M36
PA3-850-5-400	863.6	34	30	29	710	27 <sup>15</sup> / <sub>16</sub>	45	110	61.7	2690	2560							M12-M36
PA3-850-6-400	863.6	34	36	41	710	27 <sup>15</sup> / <sub>16</sub>	54	110	78.8	3810	3720							M20-M64
PA3-850-7-400	863.6	34	42	45	710	27 <sup>15</sup> / <sub>16</sub>	63	150	128.6	5470	5470							M30-M64
PA3-850-8-400	863.6	34	48	52	710	27 <sup>15</sup> / <sub>16</sub>	72	150	174.4	8920	8920							M42-M80
PA3-850-9-400	863.6	34	56	58	730	28 <sup>3</sup> / <sub>4</sub>	84	150	180.4	10000	10000							M42-M80
PA3-850-10-400	863.6	34	64	65	770	30 <sup>5</sup> / <sub>16</sub>	96	180	226.4	14240	14120							M42-M80
PA3-850-11-400	863.6	34	72	69	800	31 <sup>1</sup> / <sub>2</sub>	108	200	324.9	23870	23760							M42-M80
PA3-850-12-400	863.6	34	80	77	810	31 <sup>7</sup> / <sub>8</sub>	120	200	330.0	24030	23930							M72-M80
PA3-850-13-400	863.6	34	80	85	820	32 <sup>5</sup> / <sub>16</sub>	120	240	400.6	28390	28270							M72-M80
PA3-850-4-490	863.6	34	24	25	740	29 <sup>1</sup> / <sub>8</sub>	36	100	55.5	1830	1830	1830	1830	1520	1060	770		M12-M36
PA3-850-5-490	863.6	34	30	29	740	29 <sup>1</sup> / <sub>8</sub>	45	100	56.4	2660	2660	2480	2080	1440	1000	730		M12-M36
PA3-850-6-490	863.6	34	36	41	740	29 <sup>1</sup> / <sub>8</sub>	54	100	71.7	3810	3810	3760	3180	2310	1670	1190		M20-M64
PA3-850-7-490	863.6	34	42	45	740	29 <sup>1</sup> / <sub>8</sub>	63	110	95.3	5470	5470	5470	4920	3740	2770	1950		M30-M64
PA3-850-8-490	863.6	34	48	52	740	29 <sup>1</sup> / <sub>8</sub>	72	150	131.6	7840	7840	7560	6490	4940	3660	2580		M42-M80
PA3-850-9-490	863.6	34	56	58	740	29 <sup>1</sup> / <sub>8</sub>	84	140	165.3	10000	10000	10000	10000	9200	7110	5030		M42-M80
PA3-850-10-490	863.6	34	64	65	740	29 <sup>1</sup> / <sub>8</sub>	96	160	192.7	14240	14240	13970	12450	10240	7920	5590		M42-M80
PA3-850-11-490	863.6	34	72	69	760	29 <sup>15</sup> / <sub>16</sub>	108	220	271.1	19050	19050	18690	16660	13700	10590	7480		M42-M80
PA3-850-12-490	863.6	34	80	77	800	31 <sup>1</sup> / <sub>2</sub>	120	200	322.4	25990	25990	25940	23680	20610	16770	12530		M72-M80
PA3-850-13-490	863.6	34	80	85	800	31 <sup>1</sup> / <sub>2</sub>	120	220	352.8	28770	28770	28720	26210	22820	18560	13870		M72-M80
PA3-850-4-530	863.6	34	24	25	740	29 <sup>1</sup> / <sub>8</sub>	36	100	55.5	1830	1830	1830	1830	1520	1060	770		M12-M36
PA3-850-5-530	863.6	34	30	29	740	29 <sup>1</sup> / <sub>8</sub>	45	110	61.9	2930	2930	2730	2290	1580	1110	800		M12-M36
PA3-850-6-530	863.6	34	36	41	740	29 <sup>1</sup> / <sub>8</sub>	54	120	85.7	3810	3810	3810	3810	2780	2000	1430		M20-M64
PA3-850-7-530	863.6	34	42	45	740	29 <sup>1</sup> / <sub>8</sub>	63	120	103.7	5470	5470	5470	5360	4080	3020	2130		M20-M64
PA3-850-8-530	863.6	34	48	52	740	29 <sup>1</sup> / <sub>8</sub>	72	120	140.7	10630	10630	10630	9540	7840	6060	4280		M42-M80
PA3-850-9-530	863.6	34	56	58	740	29 <sup>1</sup> / <sub>8</sub>	84	140	165.3	10000	10000	10000	10000	9200	7110	5030		M42-M80
PA3-850-10-530	863.6	34	64	65	740	29 <sup>1</sup> / <sub>8</sub>	96	180	215.9	15280	15280	15280	14010	11520	8900	6290		M42-M80
PA3-850-11-530	863.6	34	72	69	780	30 <sup>11</sup> / <sub>16</sub>	108	180	281.1	22120	22120	22120	21730	18920	15390	11500		M42-M80
PA3-850-12-530	863.6	34	80	77	800	31 <sup>1</sup> / <sub>2</sub>	120	200	322.4	25990	25990	25940	23680	20610	16770	12530		M72-M80
PA3-850-13-530	863.6	34	80	85	800	31 <sup>1</sup> / <sub>2</sub>	120	240	383.6	30830	30830	30830	28600	24900	20250	15130		M72-M80
PA3-850-4-560	863.6	34	24	25	760	29 <sup>15</sup> / <sub>16</sub>	36	100	56.1	1830	1830	1830	1830	1680	1330	1060		M12-M36
PA3-850-5-560	863.6	34	30	29	760	29 <sup>15</sup> / <sub>16</sub>	45	90	63.7	2420	2420	2420	2420	2330	1870	1490		M12-M36
PA3-850-6-560	863.6	34	36	41	760	29 <sup>15</sup> / <sub>16</sub>	54	100	85.7	3790	3790	3790	3790	3790	3180	2520		M20-M64
PA3-850-7-560	863.6	34	42	45	760	29 <sup>15</sup> / <sub>16</sub>	63	150	130.5	5470	5470	5470	5470	5410	4380	3470		M30-M64
PA3-850-8-560	863.6	34	48	52	760	29 <sup>15</sup> / <sub>16</sub>	72	120	142.3	10630	10630	10630	9640	8070	6640	5280		M42-M80
PA3-850-9-560	863.6	34	56	58	760	29 <sup>15</sup> / <sub>16</sub>	84	150	178.7	10000	10000	10000	10000	10000	8340	6640		M42-M80
PA3-850-10-560	863.6	34	64	65	760	29 <sup>15</sup> / <sub>16</sub>	96	210	253.3	15280	15280	15280	15280	13820	11370	9050		M42-M80
PA3-850-11-560	863.6	34	72	69	780	30 <sup>11</sup> / <sub>16</sub>	108	180	281.1	22120	22120	22120	21880	19150	16220	13170		M42-M80
PA3-850-12-560	863.6	34	80	77	800	31 <sup>1</sup> / <sub>2</sub>	120	230	368.7	29890	29890	29830	27420	24000	20320	16500		M72-M80
PA3-850-13-560	863.6	34	80	85	800	31 <sup>1</sup> / <sub>2</sub>	120	270	429.7	30830	30830	30830	30830	28350	24010	19500		M72-M80
PA3-850-4-600	863.6	34	24	25	760	29 <sup>15</sup> / <sub>16</sub>	36	100	70.3	1830	1830	1830	1830	1830	1830	1640		M12-M36
PA3-850-5-600	863.6	34	30	29	760	29 <sup>15</sup> / <sub>16</sub>	45	100	84.8	2560	2560	2560	2560	2560	2560	2490		M12-M36
PA3-850-6-600	863.6	34	36	41	760	29 <sup>15</sup> / <sub>16</sub>	54	150	127.9	3790	3790	3790	3790	3790	3790	3790		M20-M64
PA3-850-7-600	863.6	34	42	45	760	29 <sup>15</sup> / <sub>16</sub>	63	120	139.6	5470	5470	5470	5470	5470	5470	5440		M30-M64
PA3-850-8-600	863.6	34	48	52	760	29 <sup>15</sup> / <sub>16</sub>	72	170	200.1	10630	10630	10630	10630	10630	9400	7480		M42-M80
PA3-850-9-600	863.6	34	56	58	760	29 <sup>15</sup> / <sub>16</sub>	84	220	260.0	10000	10000	10000	10000	10000	10000	9740		M42-M80
PA3-850-10-600	863.6	34	64	65	760	29 <sup>15</sup> / <sub>16</sub>	96	180	272.2	16420	16420	16420	16420	16420	16420	13500		M42-M80
PA3-850-11-600	863.6	34	72	69	780	30 <sup>11</sup> / <sub>16</sub>	108	250	386.7	22120	22120	22120	22120	22120	22120	18300		M42-M80
PA3-850-12-600	863.6	34	80	77	800	31 <sup>1</sup> / <sub>2</sub>	120	330	522.8	31580	31580	31580	31580	31580	29150	23680		M72-M80

# PA3 PIPE CLAMP THREE BOLT TYPE

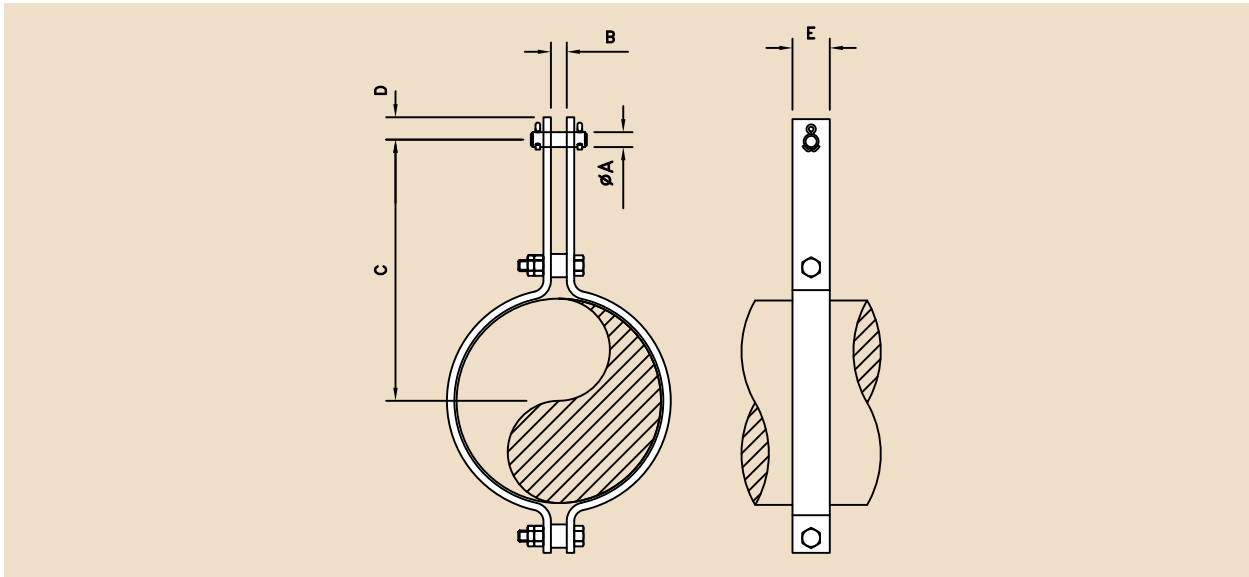


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-900-4-400	914.4	36	24	25	740	29 <sup>11</sup> / <sub>8</sub>	36	90	52.0	1830	1830						M12-M36
PA3-900-5-400	914.4	36	30	29	740	29 <sup>11</sup> / <sub>8</sub>	45	110	64.8	2490	2380						M12-M36
PA3-900-6-400	914.4	36	36	41	740	29 <sup>11</sup> / <sub>8</sub>	54	130	97.0	3810	3810						M20-M64
PA3-900-7-400	914.4	36	42	45	740	29 <sup>11</sup> / <sub>8</sub>	63	150	136.3	5470	5470						M30-M64
PA3-900-8-400	914.4	36	48	52	740	29 <sup>11</sup> / <sub>8</sub>	72	150	182.2	8560	8560						M42-M80
PA3-900-9-400	914.4	36	56	58	760	29 <sup>15</sup> / <sub>16</sub>	84	150	188.3	10000	10000						M42-M80
PA3-900-10-400	914.4	36	64	65	790	31 <sup>1</sup> / <sub>8</sub>	96	180	234.7	13800	13690						M42-M80
PA3-900-11-400	914.4	36	72	69	830	32 <sup>11</sup> / <sub>16</sub>	108	200	338.8	22580	22490						M42-M80
PA3-900-12-400	914.4	36	80	77	830	32 <sup>11</sup> / <sub>16</sub>	120	200	341.5	23260	23170						M72-M80
PA3-900-13-400	914.4	36	80	85	850	33 <sup>7</sup> / <sub>16</sub>	120	260	450.2	29100	28990						M72-M80
PA3-900-4-490	914.4	36	24	25	760	29 <sup>15</sup> / <sub>16</sub>	36	100	58.0	1830	1830	1830	1430	1000	720		M12-M36
PA3-900-5-490	914.4	36	30	29	760	29 <sup>15</sup> / <sub>16</sub>	45	100	58.7	2600	2600	2440	2050	1430	1010	730	M12-M36
PA3-900-6-490	914.4	36	36	41	760	29 <sup>15</sup> / <sub>16</sub>	54	110	82.1	3810	3810	3810	3280	2410	1750	1240	M20-M64
PA3-900-7-490	914.4	36	42	45	760	29 <sup>15</sup> / <sub>16</sub>	63	110	99.1	5470	5470	5470	4820	3700	2760	1940	M30-M64
PA3-900-8-490	914.4	36	48	52	760	29 <sup>15</sup> / <sub>16</sub>	72	160	145.7	8130	8130	7860	6780	5210	3880	2730	M42-M80
PA3-900-9-490	914.4	36	56	58	760	29 <sup>15</sup> / <sub>16</sub>	84	140	173.8	10000	10000	10000	10000	8770	6810	4850	M42-M80
PA3-900-10-490	914.4	36	64	65	770	30 <sup>5</sup> / <sub>16</sub>	96	160	201.1	13820	13820	13590	12170	10090	7830	5580	M42-M80
PA3-900-11-490	914.4	36	72	69	780	30 <sup>11</sup> / <sub>16</sub>	108	220	281.3	18480	18480	18170	16260	13480	10470	7460	M42-M80
PA3-900-12-490	914.4	36	80	77	830	32 <sup>11</sup> / <sub>16</sub>	120	200	336.3	24550	24550	24550	22460	19610	16100	12100	M72-M80
PA3-900-13-490	914.4	36	80	85	820	32 <sup>5</sup> / <sub>16</sub>	120	230	381.4	29140	29140	29140	26670	23280	19110	14360	M72-M80
PA3-900-4-530	914.4	36	24	25	760	29 <sup>15</sup> / <sub>16</sub>	36	100	58.0	1830	1830	1830	1830	1430	1000	720	M12-M36
PA3-900-5-530	914.4	36	30	29	760	29 <sup>15</sup> / <sub>16</sub>	45	90	66.2	3050	3050	3050	2770	2040	1480	1050	M12-M36
PA3-900-6-530	914.4	36	36	41	760	29 <sup>15</sup> / <sub>16</sub>	54	100	89.5	3810	3810	3810	3810	3350	2500	1750	M20-M64
PA3-900-7-530	914.4	36	42	45	760	29 <sup>15</sup> / <sub>16</sub>	63	130	116.7	5470	5470	5470	5470	4380	3260	2290	M30-M64
PA3-900-8-530	914.4	36	48	52	760	29 <sup>15</sup> / <sub>16</sub>	72	120	146.3	10190	10190	10190	9330	7730	6010	4280	M42-M80
PA3-900-9-530	914.4	36	56	58	760	29 <sup>15</sup> / <sub>16</sub>	84	140	171.8	10000	10000	10000	10000	9070	7040	5020	M42-M80
PA3-900-10-530	914.4	36	64	65	770	30 <sup>5</sup> / <sub>16</sub>	96	180	225.4	14640	14640	14640	13690	11350	8810	6270	M42-M80
PA3-900-11-530	914.4	36	72	69	800	31 <sup>1</sup> / <sub>2</sub>	108	180	291.5	21200	21200	21200	21170	18480	15170	11400	M42-M80
PA3-900-12-530	914.4	36	80	77	830	32 <sup>11</sup> / <sub>16</sub>	120	210	352.4	25780	25780	25780	23590	20590	16900	12700	M72-M80
PA3-900-13-530	914.4	36	80	85	820	32 <sup>5</sup> / <sub>16</sub>	120	250	413.3	30680	30680	30680	28980	25300	20770	15610	M72-M80
PA3-900-4-560	914.4	36	24	25	790	31 <sup>1</sup> / <sub>8</sub>	36	110	64.8	1830	1830	1830	1830	1720	1370	1090	M12-M36
PA3-900-5-560	914.4	36	30	29	790	31 <sup>1</sup> / <sub>8</sub>	45	90	66.7	2320	2320	2320	2320	2310	1850	1480	M12-M36
PA3-900-6-560	914.4	36	36	41	790	31 <sup>1</sup> / <sub>8</sub>	54	100	89.9	3740	3740	3740	3740	3700	3000	2380	M20-M64
PA3-900-7-560	914.4	36	42	45	790	31 <sup>1</sup> / <sub>8</sub>	63	160	145.4	5470	5470	5470	5470	5470	4610	3660	M30-M64
PA3-900-8-560	914.4	36	48	52	790	31 <sup>1</sup> / <sub>8</sub>	72	120	148.5	10190	10190	10190	9430	7930	6540	5220	M42-M80
PA3-900-9-560	914.4	36	56	58	790	31 <sup>1</sup> / <sub>8</sub>	84	150	186.5	10000	10000	10000	10000	9970	8210	6560	M42-M80
PA3-900-10-560	914.4	36	64	65	790	31 <sup>1</sup> / <sub>8</sub>	96	210	264.4	14640	14640	14640	14640	13580	11190	8930	M42-M80
PA3-900-11-560	914.4	36	72	69	800	31 <sup>1</sup> / <sub>2</sub>	108	180	291.5	21200	21200	21200	21200	18700	15930	12960	M42-M80
PA3-900-12-560	914.4	36	80	77	830	32 <sup>11</sup> / <sub>16</sub>	120	240	400.7	29460	29460	29460	27130	23820	20280	16510	M72-M80
PA3-900-13-560	914.4	36	80	85	820	32 <sup>5</sup> / <sub>16</sub>	120	280	461.1	30680	30680	30680	30680	28680	24430	19880	M72-M80
PA3-900-4-600	914.4	36	24	25	790	31 <sup>1</sup> / <sub>8</sub>	36	100	73.6	1830	1830	1830	1830	1830	1830	1630	M12-M36
PA3-900-5-600	914.4	36	30	29	790	31 <sup>1</sup> / <sub>8</sub>	45	100	88.8	2460	2460	2460	2460	2460	2460	2460	M12-M36
PA3-900-6-600	914.4	36	36	41	790	31 <sup>1</sup> / <sub>8</sub>	54	160	143.0	3740	3740	3740	3740	3740	3740	3740	M20-M64
PA3-900-7-600	914.4	36	42	45	790	31 <sup>1</sup> / <sub>8</sub>	63	120	145.9	5470	5470	5470	5470	5470	5470	5380	M30-M64
PA3-900-8-600	914.4	36	48	52	790	31 <sup>1</sup> / <sub>8</sub>	72	180	221.0	10190	10190	10190	10190	10190	9800	7830	M42-M80
PA3-900-9-600	914.4	36	56	58	790	31 <sup>1</sup> / <sub>8</sub>	84	180	278.8	10000	10000	10000	10000	10000	10000	10000	M42-M80
PA3-900-10-600	914.4	36	64	65	790	31 <sup>1</sup> / <sub>8</sub>	96	190	299.3	15740	15740	15740	15740	15740	15740	14030	M42-M80
PA3-900-11-600	914.4	36	72	69	800	31 <sup>1</sup> / <sub>2</sub>	108	250	401.0	21200	21200	21200	21200	21200	21200	18000	M42-M80
PA3-900-12-600	914.4	36	80	77	830	32 <sup>11</sup> / <sub>16</sub>	120	340	561.7	30780	30780	30780	30780	30780	28730	23380	M72-M80



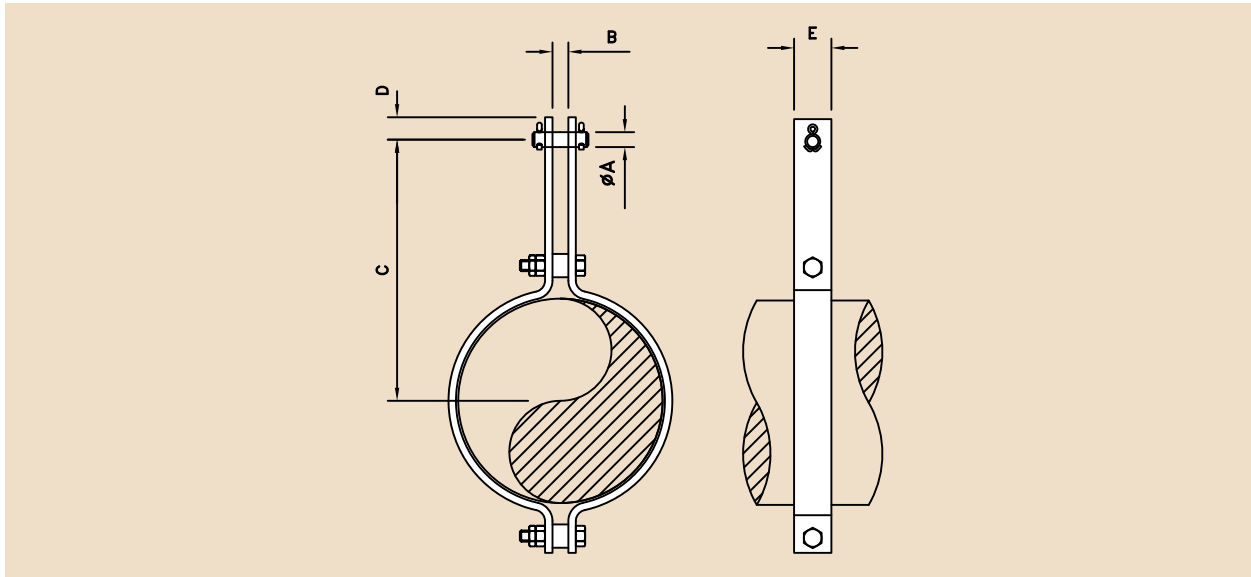
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-950-4-400	965.2	38	24	25	770	30 <sup>5</sup> / <sub>16</sub>	36	90	54.5	1830	1830						M12-M36
PA3-950-5-400	965.2	38	30	29	770	30 <sup>5</sup> / <sub>16</sub>	45	110	67.8	2440	2340						M12-M36
PA3-950-6-400	965.2	38	36	41	770	30 <sup>5</sup> / <sub>16</sub>	54	130	101.3	3810	3810						M20-M64
PA3-950-7-400	965.2	38	42	45	770	30 <sup>5</sup> / <sub>16</sub>	63	150	142.6	5470	5470						M30-M64
PA3-950-8-400	965.2	38	48	52	770	30 <sup>5</sup> / <sub>16</sub>	72	150	190.6	8410	8410						M42-M80
PA3-950-9-400	965.2	38	56	58	790	31 <sup>1</sup> / <sub>8</sub>	84	150	196.7	10000	10000						M42-M80
PA3-950-10-400	965.2	38	64	65	820	32 <sup>5</sup> / <sub>16</sub>	96	200	270.1	14900	14780						M42-M80
PA3-950-11-400	965.2	38	72	69	850	33 <sup>7</sup> / <sub>16</sub>	108	200	350.3	21900	21830						M42-M80
PA3-950-12-400	965.2	38	80	77	860	33 <sup>7</sup> / <sub>16</sub>	120	220	389.2	24170	24170						M72-M80
PA3-950-13-400	965.2	38	80	85	870	34 <sup>1</sup> / <sub>4</sub>	120	280	499.3	30380	30280						M72-M80
PA3-950-4-490	965.2	38	24	25	790	31 <sup>1</sup> / <sub>8</sub>	36	100	60.6	1830	1830	1830	1830	1430	1020	730	M12-M36
PA3-950-5-490	965.2	38	30	29	790	31 <sup>1</sup> / <sub>8</sub>	45	110	67.6	2650	2650	2490	2100	1490	1060	760	M12-M36
PA3-950-6-490	965.2	38	36	41	790	31 <sup>1</sup> / <sub>8</sub>	54	110	85.7	3810	3810	3790	3220	2400	1760	1240	M20-M64
PA3-950-7-490	965.2	38	42	45	790	31 <sup>1</sup> / <sub>8</sub>	63	110	103.5	5470	5470	5470	4740	3680	2760	1930	M30-M64
PA3-950-8-490	965.2	38	48	52	790	31 <sup>1</sup> / <sub>8</sub>	72	160	152.1	7930	7930	7680	6660	5180	3880	2720	M42-M80
PA3-950-9-490	965.2	38	56	58	790	31 <sup>1</sup> / <sub>8</sub>	84	140	181.7	10000	10000	10000	10000	8400	6560	4710	M42-M80
PA3-950-10-490	965.2	38	64	65	790	31 <sup>1</sup> / <sub>8</sub>	96	170	221.0	14070	14070	14070	12660	10610	8270	5940	M42-M80
PA3-950-11-490	965.2	38	72	69	830	32 <sup>11</sup> / <sub>16</sub>	108	180	303.9	20740	20740	20740	20120	17620	14620	11050	M42-M80
PA3-950-12-490	965.2	38	80	77	850	33 <sup>7</sup> / <sub>16</sub>	120	200	347.7	23830	23830	23830	21920	19190	15930	12040	M72-M80
PA3-950-13-490	965.2	38	80	85	850	33 <sup>7</sup> / <sub>16</sub>	120	240	414.0	28770	28770	28770	26470	23170	19230	14540	M72-M80
PA3-950-4-530	965.2	38	24	25	790	31 <sup>1</sup> / <sub>8</sub>	36	100	60.6	1830	1830	1830	1830	1430	1020	730	M12-M36
PA3-950-5-530	965.2	38	30	29	790	31 <sup>1</sup> / <sub>8</sub>	45	90	69.2	3050	3050	3050	2730	2030	1490	1050	M12-M36
PA3-950-6-530	965.2	38	36	41	790	31 <sup>1</sup> / <sub>8</sub>	54	100	93.5	3810	3810	3810	3810	3340	2500	1750	M20-M64
PA3-950-7-530	965.2	38	42	45	790	31 <sup>1</sup> / <sub>8</sub>	63	130	121.9	5470	5470	5470	5470	4350	3270	2290	M30-M64
PA3-950-8-530	965.2	38	48	52	790	31 <sup>1</sup> / <sub>8</sub>	72	120	153.0	9970	9970	9830	8830	7400	5780	4150	M42-M80
PA3-950-9-530	965.2	38	56	58	790	31 <sup>1</sup> / <sub>8</sub>	84	140	179.2	9910	9910	9910	9910	8990	7010	5040	M42-M80
PA3-950-10-530	965.2	38	64	65	790	31 <sup>1</sup> / <sub>8</sub>	96	180	233.6	14070	14070	14070	13400	11230	8760	6290	M42-M80
PA3-950-11-530	965.2	38	72	69	830	32 <sup>11</sup> / <sub>16</sub>	108	180	303.9	20740	20740	20740	20120	17620	14620	11050	M42-M80
PA3-950-12-530	965.2	38	80	77	850	33 <sup>7</sup> / <sub>16</sub>	120	220	381.1	26210	26210	26210	24110	21110	17520	13240	M72-M80
PA3-950-13-530	965.2	38	80	85	850	33 <sup>7</sup> / <sub>16</sub>	120	260	447.2	29960	29960	29960	28670	25100	20830	15750	M72-M80
PA3-950-4-560	965.2	38	24	25	820	32 <sup>5</sup> / <sub>16</sub>	36	110	67.7	1830	1830	1830	1830	1710	1370	1090	M12-M36
PA3-950-5-560	965.2	38	30	29	820	32 <sup>5</sup> / <sub>16</sub>	45	100	78.0	3050	3050	3050	3050	2420	1950	1550	M12-M36
PA3-950-6-560	965.2	38	36	41	820	32 <sup>5</sup> / <sub>16</sub>	54	110	104.2	3810	3810	3810	3810	3810	3140	2480	M20-M64
PA3-950-7-560	965.2	38	42	45	820	32 <sup>5</sup> / <sub>16</sub>	63	160	151.8	5470	5470	5470	5470	5470	4580	3630	M30-M64
PA3-950-8-560	965.2	38	48	52	820	32 <sup>5</sup> / <sub>16</sub>	72	120	155.2	9970	9970	9830	8930	7560	6250	5010	M42-M80
PA3-950-9-560	965.2	38	56	58	820	32 <sup>5</sup> / <sub>16</sub>	84	150	194.5	9910	9910	9910	9910	9840	8130	6510	M42-M80
PA3-950-10-560	965.2	38	64	65	820	32 <sup>5</sup> / <sub>16</sub>	96	210	275.4	14070	14070	14070	14070	13390	11060	8860	M42-M80
PA3-950-11-560	965.2	38	72	69	830	32 <sup>11</sup> / <sub>16</sub>	108	190	320.3	20740	20740	20740	20740	18820	16130	13160	M42-M80
PA3-950-12-560	965.2	38	80	77	850	33 <sup>7</sup> / <sub>16</sub>	120	240	414.5	28600	28600	28600	26450	23310	19980	16300	M72-M80
PA3-950-13-560	965.2	38	80	85	850	33 <sup>7</sup> / <sub>16</sub>	120	290	497.1	29960	29960	29960	29960	28340	24290	19810	M72-M80
PA3-950-4-600	965.2	38	24	25	820	32 <sup>5</sup> / <sub>16</sub>	36	100	76.9	1830	1830	1830	1830	1830	1830	1620	M12-M36
PA3-950-5-600	965.2	38	30	29	820	32 <sup>5</sup> / <sub>16</sub>	45	100	92.8	2360	2360	2360	2360	2360	2360	2360	M12-M36
PA3-950-6-600	965.2	38	36	41	820	32 <sup>5</sup> / <sub>16</sub>	54	120	151.7	3810	3810	3810	3810	3810	3810	3810	M20-M64
PA3-950-7-600	965.2	38	42	45	820	32 <sup>5</sup> / <sub>16</sub>	63	130	165.1	5470	5470	5470	5470	5470	5470	5470	M30-M64
PA3-950-8-600	965.2	38	48	52	820	32 <sup>5</sup> / <sub>16</sub>	72	180	231.1	10020	10020	10020	10020	10020	9370	7510	M42-M80
PA3-950-9-600	965.2	38	56	58	820	32 <sup>5</sup> / <sub>16</sub>	84	180	291.2	10000	10000	10000	10000	10000	10000	10000	M42-M80
PA3-950-10-600	965.2	38	64	65	820	32 <sup>5</sup> / <sub>16</sub>	96	190	312.5	15410	15410	15410	15410	15410	15410	13480	M42-M80
PA3-950-11-600	965.2	38	72	69	830	32 <sup>11</sup> / <sub>16</sub>	108	260	434.6	20740	20740	20740	20740	20740	20740	18010	M42-M80
PA3-950-12-600	965.2	38	80	77	850	33 <sup>7</sup> / <sub>16</sub>	120	340	581.2	29550	29550	29550	29550	29550	28300	23080	M72-M80

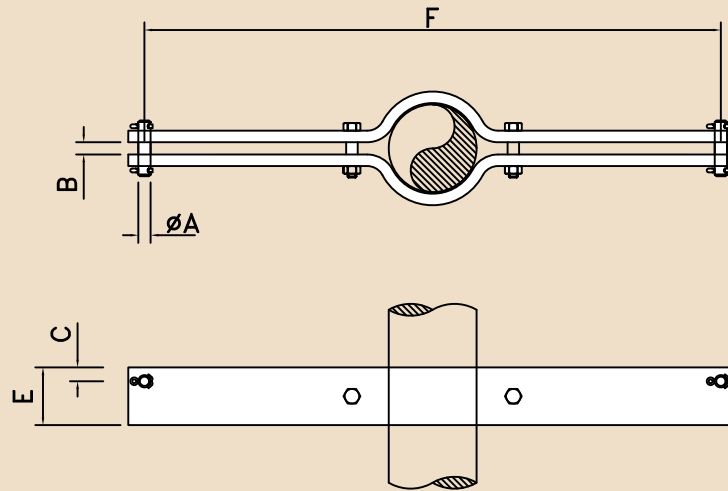
# PA3 PIPE CLAMP THREE BOLT TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C

Part Number	Pipe O/D		A	B	C		D	E	Weight	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in			mm	in				mm	in	350	400	490	530	560	
PA3-1000-4-400	1016	40	24	25	790	31 <sup>1</sup> / <sub>8</sub>	36	90	56.6	1810	1810						M12-M36
PA3-1000-5-400	1016	40	30	29	790	31 <sup>1</sup> / <sub>8</sub>	45	110	87.6	3050	3050						M12-M36
PA3-1000-6-400	1016	40	36	41	790	31 <sup>1</sup> / <sub>8</sub>	54	130	105.0	3810	3810						M20-M64
PA3-1000-7-400	1016	40	42	45	790	31 <sup>1</sup> / <sub>8</sub>	63	150	147.7	5470	5470						M30-M64
PA3-1000-8-400	1016	40	48	52	790	31 <sup>1</sup> / <sub>8</sub>	72	150	197.4	8150	8150						M42-M80
PA3-1000-9-400	1016	40	56	58	810	31 <sup>7</sup> / <sub>8</sub>	84	150	203.5	10000	10000						M42-M80
PA3-1000-10-400	1016	40	64	65	840	33 <sup>1</sup> / <sub>16</sub>	96	200	279.3	14440	14320						M42-M80
PA3-1000-11-400	1016	40	72	69	880	34 <sup>5</sup> / <sub>8</sub>	108	200	363.1	21220	21140						M42-M80
PA3-1000-12-400	1016	40	80	77	890	35 <sup>1</sup> / <sub>16</sub>	120	220	403.4	23370	23370						M72-M80
PA3-1000-13-400	1016	40	80	85	900	35 <sup>7</sup> / <sub>16</sub>	120	280	517.4	29410	29300						M72-M80
PA3-1000-4-490	1016	40	24	25	820	32 <sup>5</sup> / <sub>16</sub>	36	100	63.2	1830	1830	1830	1830	1370	960	690	M12-M36
PA3-1000-5-490	1016	40	30	29	820	32 <sup>5</sup> / <sub>16</sub>	45	110	70.5	2570	2570	2410	2030	1430	1010	730	M12-M36
PA3-1000-6-490	1016	40	36	41	820	32 <sup>5</sup> / <sub>16</sub>	54	110	89.3	3810	3810	3660	3110	2300	1670	1190	M20-M64
PA3-1000-7-490	1016	40	42	45	820	32 <sup>5</sup> / <sub>16</sub>	63	120	117.4	5470	5470	5470	4990	3850	2870	2010	M30-M64
PA3-1000-8-490	1016	40	48	52	820	32 <sup>5</sup> / <sub>16</sub>	72	160	158.3	7690	7690	7440	6420	4950	3700	2590	M42-M80
PA3-1000-9-490	1016	40	56	58	820	32 <sup>5</sup> / <sub>16</sub>	84	140	186.8	9810	9810	9810	9810	8320	6470	4620	M42-M80
PA3-1000-10-490	1016	40	64	65	820	32 <sup>5</sup> / <sub>16</sub>	96	180	243.6	13910	13910	13910	12530	10410	8100	5780	M42-M80
PA3-1000-11-490	1016	40	72	69	860	33 <sup>7</sup> / <sub>8</sub>	108	180	315.5	20070	20070	20070	19430	16980	13980	10520	M42-M80
PA3-1000-12-490	1016	40	80	77	880	34 <sup>5</sup> / <sub>8</sub>	120	200	360.6	23090	23090	23090	21160	18490	15230	11460	M72-M80
PA3-1000-13-490	1016	40	80	85	880	34 <sup>5</sup> / <sub>8</sub>	120	250	446.7	28960	28960	28960	26610	23250	19150	14410	M72-M80
PA3-1000-4-530	1016	40	24	25	820	32 <sup>5</sup> / <sub>16</sub>	36	100	63.2	1830	1830	1830	1830	1370	960	690	M12-M36
PA3-1000-5-530	1016	40	30	29	820	32 <sup>5</sup> / <sub>16</sub>	45	90	72.1	3050	3050	3050	2640	1950	1420	1010	M12-M36
PA3-1000-6-530	1016	40	36	41	820	32 <sup>5</sup> / <sub>16</sub>	54	100	97.4	3810	3810	3810	3810	3190	2380	1670	M20-M64
PA3-1000-7-530	1016	40	42	45	820	32 <sup>5</sup> / <sub>16</sub>	63	130	127.0	5470	5470	5470	5400	4170	3110	2180	M30-M64
PA3-1000-8-530	1016	40	48	52	820	32 <sup>5</sup> / <sub>16</sub>	72	120	159.2	9670	9670	9520	8530	7090	5520	3940	M42-M80
PA3-1000-9-530	1016	40	56	58	820	32 <sup>5</sup> / <sub>16</sub>	84	140	186.8	9810	9810	9810	9810	8320	6470	4620	M42-M80
PA3-1000-10-530	1016	40	64	65	820	32 <sup>5</sup> / <sub>16</sub>	96	200	269.9	13910	13910	13910	13910	11570	9000	6420	M42-M80
PA3-1000-11-530	1016	40	72	69	860	33 <sup>7</sup> / <sub>8</sub>	108	180	315.5	20070	20070	20070	19430	16980	13980	10520	M42-M80
PA3-1000-12-530	1016	40	80	77	880	34 <sup>5</sup> / <sub>8</sub>	120	220	395.3	25400	25400	25400	23280	20340	16750	12610	M72-M80
PA3-1000-13-530	1016	40	80	85	880	34 <sup>5</sup> / <sub>8</sub>	120	270	481.3	28960	28960	28960	28740	25110	20680	15560	M72-M80
PA3-1000-4-560	1016	40	24	25	840	33 <sup>1</sup> / <sub>16</sub>	36	110	70.2	1830	1830	1830	1830	1650	1310	1040	M12-M36
PA3-1000-5-560	1016	40	30	29	840	33 <sup>1</sup> / <sub>16</sub>	45	100	80.8	3050	3050	3050	2960	2320	1870	1480	M12-M36
PA3-1000-6-560	1016	40	36	41	840	33 <sup>1</sup> / <sub>16</sub>	54	110	108.0	3810	3810	3810	3810	3700	3010	2380	M20-M64
PA3-1000-7-560	1016	40	42	45	840	33 <sup>1</sup> / <sub>16</sub>	63	160	157.3	5470	5470	5470	5470	5410	4390	3480	M30-M64
PA3-1000-8-560	1016	40	48	52	840	33 <sup>1</sup> / <sub>16</sub>	72	130	173.8	9710	9710	9710	9340	7870	6490	5190	M42-M80
PA3-1000-9-560	1016	40	56	58	840	33 <sup>1</sup> / <sub>16</sub>	84	160	214.9	9810	9810	9810	9810	9740	8030	6420	M42-M80
PA3-1000-10-560	1016	40	64	65	840	33 <sup>1</sup> / <sub>16</sub>	96	180	306.7	14910	14910	14910	14910	14910	14910	12240	M42-M80
PA3-1000-11-560	1016	40	72	69	860	33 <sup>7</sup> / <sub>8</sub>	108	190	332.5	20070	20070	20070	20070	18140	15480	12600	M42-M80
PA3-1000-12-560	1016	40	80	77	880	34 <sup>5</sup> / <sub>8</sub>	120	250	447.3	28580	28580	28580	26610	23390	19960	16250	M72-M80
PA3-1000-13-560	1016	40	80	85	880	34 <sup>5</sup> / <sub>8</sub>	120	300	533.1	28960	28960	28960	28960	28240	24090	19620	M72-M80
PA3-1000-4-600	1016	40	24	25	840	33 <sup>1</sup> / <sub>16</sub>	36	110	87.7	1830	1830	1830	1830	1830	1830	1710	M12-M36
PA3-1000-5-600	1016	40	30	29	840	33 <sup>1</sup> / <sub>16</sub>	45	100	96.2	2290	2290	2290	2290	2290	2290	2290	M12-M36
PA3-1000-6-600	1016	40	36	41	840	33 <sup>1</sup> / <sub>16</sub>	54	120	157.2	3810	3810	3810	3810	3810	3810	3810	M20-M64
PA3-1000-7-600	1016	40	42	45	840	33 <sup>1</sup> / <sub>16</sub>	63	140	184.1	5470	5470	5470	5470	5470	5470	5470	M30-M64
PA3-1000-8-600	1016	40	48	52	840	33 <sup>1</sup> / <sub>16</sub>	72	190	252.4	9710	9710	9710	9710	9710	9710	9480	M42-M80
PA3-1000-9-600	1016	40	56	58	840	33 <sup>1</sup> / <sub>16</sub>	84	180	301.4	10000	10000	10000	10000	10000	10000	10000	M42-M80
PA3-1000-10-600	1016	40	64	65	840	33 <sup>1</sup> / <sub>16</sub>	96	200	340.0	14910	14910	14910	14910	14910	14910	13600	M42-M80
PA3-1000-11-600	1016	40	72	69	860	33 <sup>7</sup> / <sub>8</sub>	108	280	485.4	20070	20070	20070	20070	20070	20070	18570	M42-M80

# PA4 PRESSED RISER CLAMP FOUR BOLT TYPE

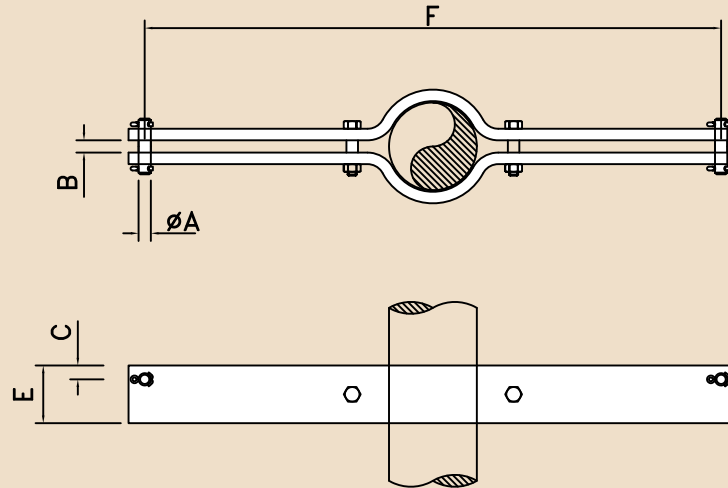


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes					
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600						
PA4-15-0-400	21.3	0.84	12	15	18	11/16	50	90	200	800	2.0	18.0	510	470											M8-M16
PA4-15-0-490	21.3	0.84	12	15	18	11/16	50	90	200	800	2.0	18.0	520	520	460	340	210	150	120						M8-M16
PA4-15-0-530	21.3	0.84	12	15	18	11/16	70	120	200	800	2.8	24.0	720	720	640	490	300	220	160						M8-M16
PA4-15-0-560	21.3	0.84	12	15	18	11/16	70	90	200	800	3.3	24.0	780	780	780	670	490	390	310						M8-M16
PA4-15-0-600	21.3	0.84	12	15	18	11/16	70	130	200	800	4.1	34.6	780	780	780	780	750	590	470						M8-M16
PA4-20-0-400	26.7	1.05	12	15	18	11/16	50	90	200	800	2.0	18.0	510	470											M8-M16
PA4-20-0-490	26.7	1.05	12	15	18	11/16	50	90	200	800	2.0	18.0	530	530	470	340	210	150	120						M8-M16
PA4-20-0-530	26.7	1.05	12	15	18	11/16	70	120	200	800	2.8	24.0	720	720	640	490	300	220	170						M8-M16
PA4-20-0-560	26.7	1.05	12	15	18	11/16	70	90	200	800	3.3	24.0	780	780	780	670	490	390	310						M8-M16
PA4-20-0-600	26.7	1.05	12	15	18	11/16	70	130	200	800	4.1	34.6	780	780	780	780	750	590	460						M8-M16
PA4-25-0-400	33.4	1.31	12	15	18	11/16	50	90	200	800	2.1	18.1	510	480											M8-M16
PA4-25-0-490	33.4	1.31	12	15	18	11/16	50	90	200	800	2.1	18.1	530	530	480	360	220	160	120						M8-M16
PA4-25-0-530	33.4	1.31	12	15	18	11/16	70	120	200	800	2.8	24.1	730	730	650	500	320	230	170						M8-M16
PA4-25-0-560	33.4	1.31	12	15	18	11/16	60	90	200	800	2.9	24.1	780	780	780	660	480	380	300						M8-M16
PA4-25-0-600	33.4	1.31	12	15	18	11/16	90	130	200	800	4.3	34.7	780	780	780	780	750	600	470						M8-M16
PA4-32-0-400	42.2	1.66	12	15	18	11/16	50	90	200	800	2.1	18.1	520	480											M12-M24
PA4-32-0-490	42.2	1.66	12	15	18	11/16	50	90	200	800	2.1	18.1	530	530	480	360	220	160	120						M12-M24
PA4-32-0-530	42.2	1.66	12	15	18	11/16	70	120	200	800	2.9	24.1	730	730	650	500	320	230	170						M12-M24
PA4-32-0-560	42.2	1.66	12	15	18	11/16	80	90	200	800	3.3	24.1	780	780	780	640	460	370	280						M12-M24
PA4-32-0-600	42.2	1.66	12	15	18	11/16	90	130	200	800	4.4	34.8	780	780	780	780	760	600	470						M12-M24
PA4-40-0-400	48.3	1.90	12	15	18	11/16	60	90	250	800	3.0	18.2	520	470											M8-M16
PA4-40-0-490	48.3	1.90	12	15	18	11/16	60	90	250	800	3.0	18.2	540	540	470	340	210	150	120						M8-M16
PA4-40-0-530	48.3	1.90	12	15	18	11/16	80	120	250	800	3.9	24.2	740	740	640	470	290	210	160						M8-M16
PA4-40-0-560	48.3	1.90	12	15	18	11/16	80	90	250	800	4.7	24.2	780	780	780	680	500	400	310						M8-M16
PA4-40-0-600	48.3	1.90	12	15	18	11/16	80	130	250	800	5.8	34.9	780	780	780	780	760	610	480						M8-M16
PA4-50-0-400	60.3	2.38	12	15	18	11/16	60	120	250	1000	3.0	30.0	530	480											M8-M16
PA4-50-1-400	60.3	2.38	16	17	24	15/16	70	100	250	1000	4.4	33.8	800	750											M8-M16
PA4-50-2-400	60.3	2.38	16	17	24	15/16	90	140	250	1000	5.7	47.3	1170	1090											M12-M24
PA4-50-0-490	60.3	2.38	12	15	18	11/16	60	120	250	1000	3.0	30.0	550	550	480	350	210	150	120						M8-M16
PA4-50-1-490	60.3	2.38	16	17	24	15/16	70	100	250	1000	4.4	33.8	830	830	750	600	380	270	200						M8-M16
PA4-50-2-490	60.3	2.38	16	17	24	15/16	90	140	250	1000	5.6	47.2	1210	1210	1090	800	500	360	270						M12-M24
PA4-50-0-530	60.3	2.38	12	15	18	11/16	80	80	250	1000	4.0	26.6	640	640	580	460	290	210	150						M8-M16
PA4-50-1-530	60.3	2.38	16	17	24	15/16	90	120	250	1000	5.6	40.5	1020	1020	930	740	490	340	240						M8-M16
PA4-50-2-530	60.3	2.38	16	17	24	15/16	80	110	250	1000	6.2	46.3	1390	1390	1290	1070	730	510	370						M12-M24
PA4-50-0-560	60.3	2.38	12	15	18	11/16	70	110	250	1000	4.2	36.6	780	780	780	640	460	370	280						M8-M16
PA4-50-1-560	60.3	2.38	16	17	24	15/16	70	160	250	1000	5.5	53.9	1390	1390	1280	1020	740	590	460						M8-M16
PA4-50-2-560	60.3	2.38	16	17	24	15/16	100	140	250	1000	7.8	59.0	1600	1600	1600	1430	1070	850	680						M12-M24
PA4-50-0-600	60.3	2.38	12	15	18	11/16	80	160	250	1000	5.9	53.1	780	780	780	780	770	610	480						M8-M16
PA4-50-1-600	60.3	2.38	16	17	24	15/16	110	150	250	1000	8.5	63.2	1600	1600	1600	1550	1160	920	730						M8-M16
PA4-50-2-600	60.3	2.38	16	17	24	15/16	110	150	300	1000	13	75.7	1600	1600	1600	1600	1600	1380	1100						M12-M24

**PA4 PRESSED RISER CLAMP FOUR BOLT TYPE**

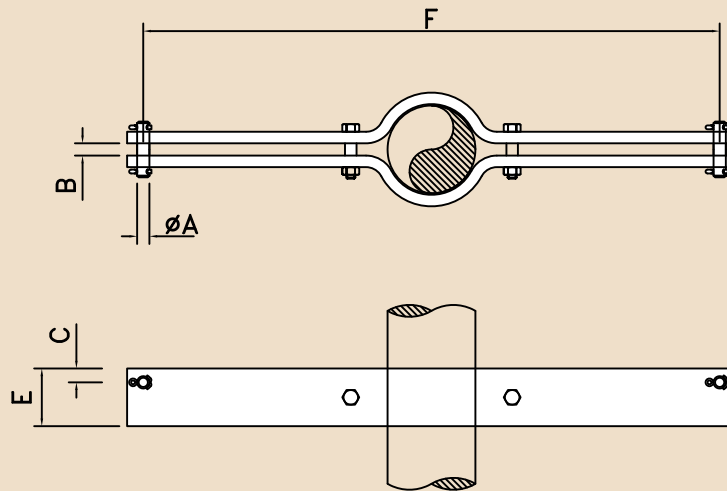


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C								Compatible with Rod Sizes
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA4-65-0-400	73.0	2.88	12	15	18	11/16	60	120	250	1000	3.2	30.3	520	490							M8-M16
PA4-65-1-400	73.0	2.88	16	17	24	15/16	80	100	300	1000	6.0	34.1	770	730							M8-M16
PA4-65-2-400	73.0	2.88	16	17	24	15/16	70	140	300	1000	6.5	47.6	1120	1060							M8-M16
PA4-65-0-490	73.0	2.88	12	15	18	11/16	60	120	250	1000	3.1	30.2	530	530	490	390	260	180	130		M8-M16
PA4-65-1-490	73.0	2.88	16	17	24	15/16	80	100	250	1000	4.3	34.0	790	790	720	550	350	250	190		M8-M16
PA4-65-2-490	73.0	2.88	16	17	24	15/16	70	140	300	1000	6.5	47.6	1150	1150	1070	870	580	400	290		M8-M16
PA4-65-0-530	73.0	2.88	12	15	18	11/16	70	80	250	1000	3.6	26.8	610	610	570	470	310	220	160		M8-M16
PA4-65-1-530	73.0	2.88	16	17	24	15/16	60	120	300	1000	5.5	40.8	950	950	900	730	480	340	240		M8-M16
PA4-65-2-530	73.0	2.88	16	17	24	15/16	90	110	300	1000	8.2	46.6	1390	1390	1320	1110	760	530	380		M8-M16
PA4-65-0-560	73.0	2.88	12	15	18	11/16	70	100	250	1000	4.3	33.5	780	780	730	620	460	360	290		M8-M16
PA4-65-1-560	73.0	2.88	16	17	24	15/16	80	150	300	1000	7.4	51.0	1240	1240	1160	970	730	580	460		M8-M16
PA4-65-2-560	73.0	2.88	16	17	24	15/16	110	140	300	1000	10.0	59.3	1600	1600	1600	1470	1090	860	680		M8-M16
PA4-65-0-600	73.0	2.88	12	15	18	11/16	80	160	300	1000	7.0	53.5	780	780	780	780	760	600	480		M8-M16
PA4-65-1-600	73.0	2.88	16	17	24	15/16	120	140	300	1000	11	59.3	1600	1600	1600	1480	1140	910	720		M8-M16
PA4-65-2-600	73.0	2.88	16	17	24	15/16	100	200	300	1000	12	84.6	1600	1600	1600	1600	1600	1350	1070		M8-M16
PA4-80-0-400	88.9	3.5	12	15	18	11/16	70	120	300	1000	4.3	30.4	510	470							M12-M24
PA4-80-1-400	88.9	3.5	16	17	24	15/16	80	110	300	1000	6.0	37.6	840	790							M8-M16
PA4-80-2-400	88.9	3.5	16	17	24	15/16	90	150	350	1000	9.5	51.3	1180	1110							M12-M36
PA4-80-0-490	88.9	3.5	12	15	18	11/16	70	120	300	1000	4.2	30.4	520	520	470	360	230	160	120		M12-M24
PA4-80-1-490	88.9	3.5	16	17	24	15/16	80	110	300	1000	6.0	37.6	870	870	790	620	390	280	210		M12-M36
PA4-80-2-490	88.9	3.5	16	17	24	15/16	70	150	300	1000	6.6	51.2	1220	1220	1110	860	560	390	290		M8-M16
PA4-80-0-530	88.9	3.5	12	15	18	11/16	70	90	300	1000	5.0	30.3	680	680	630	510	340	240	170		M12-M24
PA4-80-1-530	88.9	3.5	16	17	24	15/16	60	130	300	1000	5.7	44.4	1040	1040	930	720	470	330	240		M12-M36
PA4-80-2-530	88.9	3.5	16	17	24	15/16	90	120	300	1000	8.4	51.1	1500	1500	1400	1140	740	520	380		M8-M16
PA4-80-0-560	88.9	3.5	12	15	18	11/16	80	110	300	1000	5.7	37.0	710	710	710	650	470	380	290		M12-M24
PA4-80-1-560	88.9	3.5	16	17	24	15/16	80	160	300	1000	7.5	54.6	1300	1300	1200	980	730	580	460		M12-M36
PA4-80-2-560	88.9	3.5	16	17	24	15/16	110	140	300	1000	10	59.6	1600	1600	1600	1410	1060	840	670		M8-M16
PA4-80-0-600	88.9	3.5	12	15	18	11/16	80	110	300	1000	7.1	46.2	780	780	780	780	760	600	470		M12-M24
PA4-80-1-600	88.9	3.5	16	17	24	15/16	120	150	300	1000	11	63.8	1600	1600	1600	1520	1150	910	720		M12-M36
PA4-80-2-600	88.9	3.5	16	17	24	15/16	100	150	300	1000	12	76.4	1600	1600	1600	1600	1600	1410	1120		M8-M16
PA4-90-0-400	101.6	4	12	15	18	11/16	70	120	300	1000	4.3	30.6	500	470							M8-M16
PA4-90-1-400	101.6	4	16	17	24	15/16	70	110	300	1000	5.4	37.8	820	760							M8-M16
PA4-90-2-400	101.6	4	16	17	24	15/16	80	150	350	1000	8.6	51.5	1160	1080							M8-M16
PA4-90-0-490	101.6	4	12	15	18	11/16	70	120	300	1000	4.3	30.5	520	520	470	360	230	160	120		M8-M16
PA4-90-1-490	101.6	4	16	17	24	15/16	70	110	300	1000	5.4	37.8	850	850	750	560	350	250	190		M8-M16
PA4-90-2-490	101.6	4	16	17	24	15/16	70	150	300	1000	6.6	51.4	1200	1200	1100	880	580	410	290		M8-M16
PA4-90-0-530	101.6	4	12	15	18	11/16	60	90	300	1000	4.4	30.5	600	600	600	470	300	210	160		M8-M16
PA4-90-1-530	101.6	4	16	17	24	15/16	90	130	300	1000	6.9	44.6	1030	1030	940	740	470	330	250		M8-M16
PA4-90-2-530	101.6	4	16	17	24	15/16	90	120	300	1000	8.5	51.3	1480	1480	1370	1150	760	540	400		M8-M16
PA4-90-0-560	101.6	4	12	15	18	11/16	80	110	300	1000	5.9	37.3	780	780	780	640	470	370	290		M8-M16
PA4-90-1-560	101.6	4	16	17	24	15/16	80	110	300	1000	7.6	47.1	1340	1340	1250	1050	790	620	490		M8-M16
PA4-90-2-560	101.6	4	16	17	24	15/16	110	150	300	1000	10	64.1	1580	1580	1580	1490	1120	880	690		M8-M16
PA4-90-0-600	101.6	4	12	15	18	11/16	80	110	300	1000	7.2	46.4	780	780	780	780	780	620	490		M8-M16
PA4-90-1-600	101.6	4	16	17	24	15/16	120	160	300	1000	11	68.4	1580	1580	1580	1560	1200	950	760		M8-M16
PA4-90-2-600	101.6	4	16	17	24	15/16	120	150	350	1000	16	76.7	1600	1600	1600	1600	1580	1370	1090		M8-M16

# PA4 PRESSED RISER CLAMP FOUR BOLT TYPE

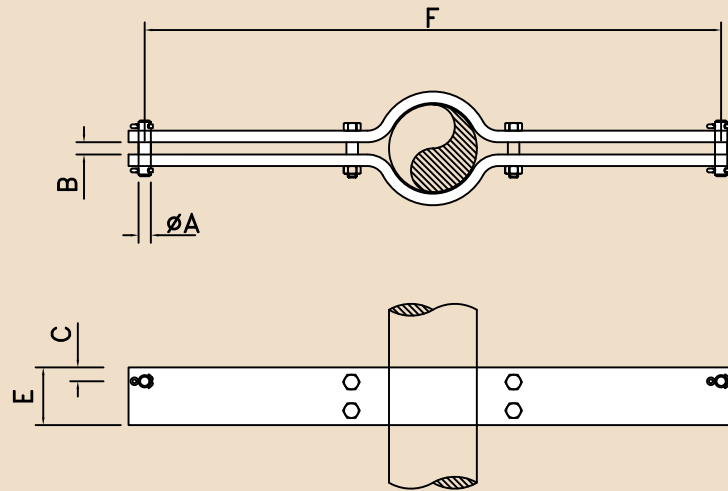


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf	Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes		
	mm	in			mm	in	Min.	Max.	Min.	Max.		Min.	Max.	350	400	490	530	560		580	600
PA4-100-0-400	114.3	4.5	12	15	18	11/16	60	90	300	1200	3.8	36.3	530	480							M12-M24
PA4-100-1-400	114.3	4.5	16	17	24	15/16	80	130	350	1200	7.1	53.1	800	740							M12-M36
PA4-100-2-400	114.3	4.5	16	17	24	15/16	80	120	350	1200	8.7	61.2	1160	1110							M12-M36
PA4-100-3-400	114.3	4.5	20	20	30	13/16	100	150	400	1200	16.5	92.6	2170	2090							M8-M16
PA4-100-0-490	114.3	4.5	12	15	18	11/16	60	90	300	1200	3.8	36.3	540	540	480	360	220	160	120		M12-M24
PA4-100-1-490	114.3	4.5	16	17	24	15/16	80	130	350	1200	7.0	53.0	830	830	740	560	350	250	190		M12-M36
PA4-100-2-490	114.3	4.5	16	17	24	15/16	80	120	350	1200	8.6	61.1	1190	1190	1120	890	580	410	300		M12-M36
PA4-100-3-490	114.3	4.5	20	20	30	13/16	100	150	400	1200	16.3	92.5	2240	2240	2130	1740	1170	820	580		M8-M16
PA4-100-0-530	114.3	4.5	12	15	18	11/16	80	100	300	1200	5.0	40.4	620	620	570	460	300	220	150		M12-M24
PA4-100-1-530	114.3	4.5	16	17	24	15/16	70	150	350	1200	7.6	61.1	970	970	890	720	480	340	240		M12-M36
PA4-100-2-530	114.3	4.5	16	17	24	15/16	100	140	350	1200	10.7	71.2	1330	1330	1330	1110	740	520	380		M12-M36
PA4-100-3-530	114.3	4.5	20	20	30	13/16	120	170	400	1200	19.5	104.7	2570	2570	2450	2070	1430	1000	710		M8-M16
PA4-100-0-560	114.3	4.5	12	15	18	11/16	70	130	300	1200	5.2	52.4	780	780	760	630	470	370	290		M12-M24
PA4-100-1-560	114.3	4.5	16	17	24	15/16	90	130	350	1200	9.7	66.1	1310	1310	1230	1040	770	610	480		M12-M36
PA4-100-2-560	114.3	4.5	16	17	24	15/16	70	180	350	1200	10.0	91.4	1360	1360	1360	1360	1060	840	670		M12-M36
PA4-100-3-560	114.3	4.5	20	20	30	13/16	150	210	400	1200	24.2	129.2	2630	2630	2630	2630	2060	1630	1290		M8-M16
PA4-100-0-600	114.3	4.5	12	15	18	11/16	90	130	350	1200	9.3	65.4	780	780	780	780	770	610	480		M12-M24
PA4-100-1-600	114.3	4.5	16	17	24	15/16	80	190	350	1200	11.4	96.5	1360	1360	1360	1360	1190	940	750		M12-M36
PA4-100-2-600	114.3	4.5	16	17	24	15/16	110	180	350	1200	15.6	109.6	1600	1600	1600	1600	1600	1380	1100		M12-M36
PA4-100-3-600	114.3	4.5	20	20	30	13/16	150	220	400	1200	30.0	157.6	2630	2630	2630	2630	2630	2550	2020		M8-M16
PA4-125-0-400	141.3	5.56	12	15	18	11/16	70	90	350	1200	5.1	36.7	530	500							M8-M16
PA4-125-1-400	141.3	5.56	16	17	24	15/16	90	130	400	1200	9.0	53.6	800	750							M8-M16
PA4-125-2-400	141.3	5.56	16	17	24	15/16	90	120	400	1200	11.3	61.8	1150	1090							M12-M24
PA4-125-3-400	141.3	5.56	20	20	30	13/16	110	150	450	1200	20.5	93.7	2130	2050							M8-M16
PA4-125-0-490	141.3	5.56	12	15	18	11/16	70	90	350	1200	5.1	36.7	550	550	500	370	230	160	130		M8-M16
PA4-125-1-490	141.3	5.56	16	17	24	15/16	80	130	350	1200	7.2	53.5	830	830	760	610	390	280	200		M8-M16
PA4-125-2-490	141.3	5.56	16	17	24	15/16	90	120	400	1200	11.1	61.7	1180	1180	1100	900	580	410	300		M12-M24
PA4-125-3-490	141.3	5.56	20	20	30	13/16	110	150	450	1200	20.2	93.4	2200	2200	2080	1740	1160	810	580		M12-M36
PA4-125-0-530	141.3	5.56	12	15	18	11/16	70	110	350	1200	6.1	44.8	690	690	630	500	340	230	170		M8-M16
PA4-125-1-530	141.3	5.56	16	17	24	15/16	70	160	350	1200	7.8	65.8	1030	1030	950	760	510	350	250		M8-M16
PA4-125-2-530	141.3	5.56	16	17	24	15/16	110	140	400	1200	13.5	71.9	1400	1400	1310	1090	720	510	380		M12-M24
PA4-125-3-530	141.3	5.56	20	20	30	13/16	130	170	450	1200	23.7	105.8	2530	2530	2400	2030	1400	980	690		M12-M36
PA4-125-0-560	141.3	5.56	12	15	18	11/16	80	140	350	1200	6.9	57.0	780	780	780	650	470	370	290		M8-M16
PA4-125-1-560	141.3	5.56	16	17	24	15/16	80	130	350	1200	8.9	66.7	1030	1030	1030	1020	740	590	460		M8-M16
PA4-125-2-560	141.3	5.56	16	17	24	15/16	80	180	400	1200	13.0	92.3	1600	1600	1600	1460	1090	860	690		M12-M24
PA4-125-3-560	141.3	5.56	20	20	30	13/16	110	220	450	1200	25.0	136.7	2630	2630	2630	2630	2100	1680	1340		M12-M36
PA4-125-0-600	141.3	5.56	12	15	18	11/16	80	130	350	1200	8.6	66.0	780	780	780	780	740	590	460		M8-M16
PA4-125-1-600	141.3	5.56	16	17	24	15/16	90	190	400	1200	14.6	97.4	1600	1600	1600	1540	1160	920	730		M8-M16
PA4-125-2-600	141.3	5.56	16	17	24	15/16	120	180	400	1200	19.3	110.6	1600	1600	1600	1600	1600	1340	1070		M12-M24
PA4-125-3-600	141.3	5.56	20	20	30	13/16	160	230	450	1200	36.1	166.3	2630	2630	2630	2630	2630	2580	2050		M12-M36

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**

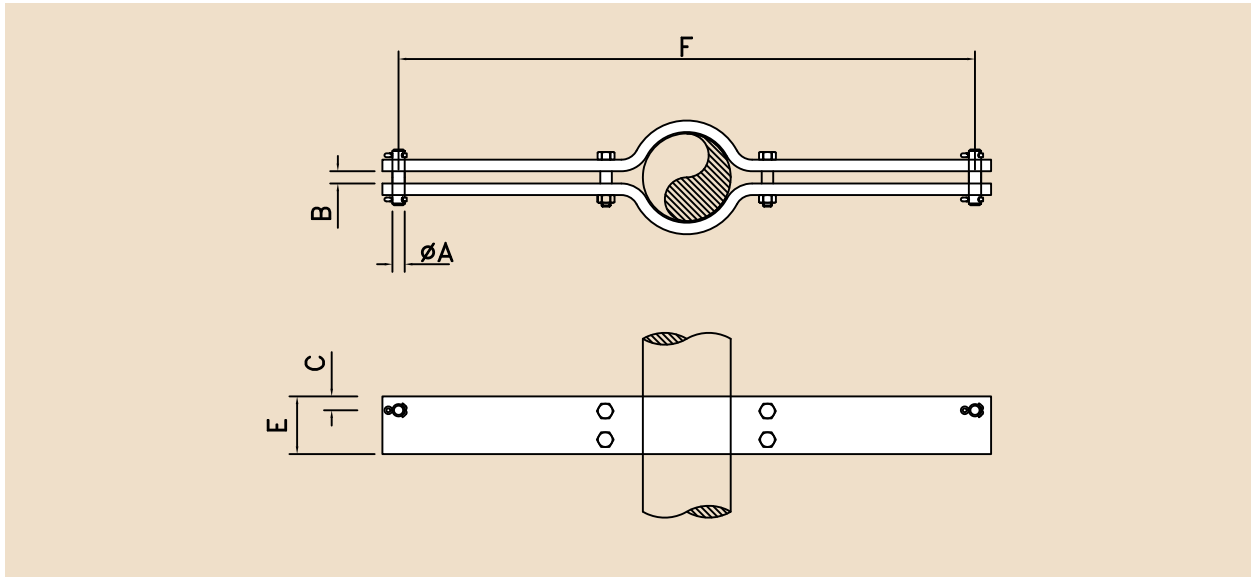


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA6-150-0-400	168.3	6.63	12	15	18	11/16	80	90	350	1200	6.0	37.1	540	500							M8-M16
PA6-150-1-400	168.3	6.63	16	17	24	15/16	80	130	400	1200	8.1	54.1	810	750							M8-M16
PA6-150-2-400	168.3	6.63	16	17	24	15/16	100	120	400	1200	12.7	62.4	1150	1100							M8-M16
PA6-150-3-400	168.3	6.63	20	20	30	13/16	100	150	450	1200	18.7	94.1	2130	2050							M12-M24
PA6-150-4-400	168.3	6.63	24	25	36	17/16	150	230	450	1200	28.6	145.7	3430	3310							M12-M36
PA6-150-0-490	168.3	6.63	12	15	18	11/16	80	90	350	1200	6.0	37.1	550	550	510	410	280	190	140		M8-M16
PA6-150-1-490	168.3	6.63	16	17	24	15/16	80	130	400	1200	8.1	54.1	830	830	750	560	360	250	190		M8-M16
PA6-150-2-490	168.3	6.63	16	17	24	15/16	80	120	400	1200	10.1	62.2	1180	1180	1110	890	580	410	300		M8-M16
PA6-150-3-490	168.3	6.63	20	20	30	13/16	100	150	450	1200	18.7	94.1	2190	2190	2090	1740	1170	810	580		M12-M24
PA6-150-4-490	168.3	6.63	24	25	36	17/16	150	220	450	1200	28.6	139.2	3370	3370	3200	2710	1820	1270	900		M12-M36
PA6-150-0-530	168.3	6.63	12	15	18	11/16	80	100	350	1200	6.0	41.2	620	620	570	460	290	210	150		M8-M16
PA6-150-1-530	168.3	6.63	16	17	24	15/16	80	150	400	1200	10.1	62.4	970	970	890	720	480	340	240		M8-M16
PA6-150-2-530	168.3	6.63	16	17	24	15/16	100	140	400	1200	12.5	72.6	1410	1410	1310	1100	740	520	380		M8-M16
PA6-150-3-530	168.3	6.63	20	20	30	13/16	120	170	450	1200	22.2	106.5	2520	2520	2400	2030	1430	1000	710		M12-M24
PA6-150-4-530	168.3	6.63	24	25	36	17/16	120	190	450	1200	28.4	140.0	3660	3660	3660	3240	2370	1660	1200		M12-M36
PA6-150-0-560	168.3	6.63	12	15	18	11/16	80	130	350	1200	7.1	53.5	780	780	770	630	470	370	290		M8-M16
PA6-150-1-560	168.3	6.63	16	17	24	15/16	90	130	400	1200	11.3	67.4	1300	1300	1220	1030	770	610	480		M8-M16
PA6-150-2-560	168.3	6.63	16	17	24	15/16	80	180	400	1200	13.3	93.2	1600	1600	1600	1470	1110	880	700		M8-M16
PA6-150-3-560	168.3	6.63	20	20	30	13/16	150	220	450	1200	27.7	137.6	2630	2630	2630	2630	2060	1630	1290		M12-M24
PA6-150-4-560	168.3	6.63	24	25	36	17/16	150	230	450	1200	35.4	169.3	3660	3660	3660	3660	3230	2620	2080		M12-M36
PA6-150-0-600	168.3	6.63	12	15	18	11/16	90	130	400	1200	11.0	66.6	780	780	780	780	770	610	480		M8-M16
PA6-150-1-600	168.3	6.63	16	17	24	15/16	80	190	400	1200	13.3	98.4	1600	1600	1600	1560	1180	930	740		M8-M16
PA6-150-2-600	168.3	6.63	16	17	24	15/16	110	180	400	1200	18.1	111.5	1600	1600	1600	1600	1600	1360	1080		M8-M16
PA6-150-3-600	168.3	6.63	20	20	30	13/16	150	230	450	1200	34.3	167.6	2630	2630	2630	2630	2630	2600	2060		M12-M24
PA6-150-4-600	168	6.63	24	25	36	17/16	180	260	500	1200	54.6	218.2	3660	3660	3660	3660	3660	3660	3300		M12-M36

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**

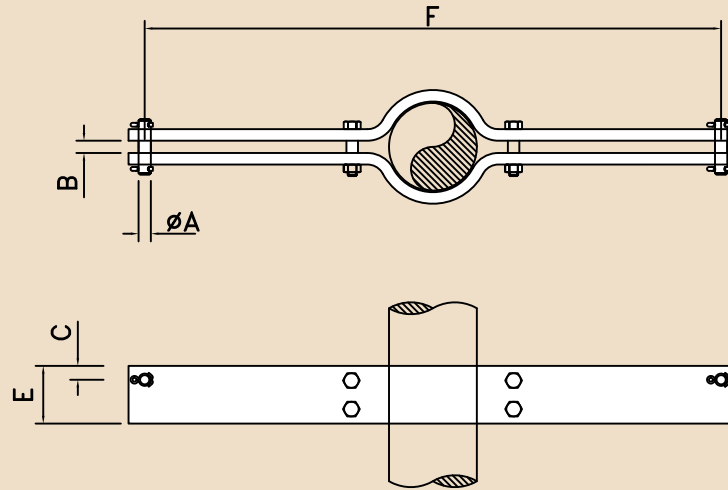


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	mm	mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560		580
PA6-175-0-400	193.7	7.63	12	15	18	11/16	80	90	400	1200	6.8	37.4	540	510							M8-M16
PA6-175-1-400	193.7	7.63	16	17	24	15/16	80	130	400	1200	8.4	54.6	820	770							M8-M16
PA6-175-2-400	193.7	7.63	16	17	24	15/16	100	120	450	1200	14.2	62.9	1160	1110							M8-M16
PA6-175-3-400	193.7	7.63	20	20	30	13/16	120	150	500	1200	25.0	95.2	2140	2070							M12-M24
PA6-175-4-400	193.7	7.63	24	25	36	17/16	160	220	500	1200	33.8	140.6	3280	3170							M12-M36
PA6-175-5-400	193.7	7.63	30	29	45	13/4	170	230	550	1200	49.5	174.0	4720	4610							M12-M36
PA6-175-0-490	193.7	7.63	12	15	18	11/16	80	90	400	1200	6.8	37.4	560	560	510	420	260	190	140		M8-M16
PA6-175-1-490	193.7	7.63	16	17	24	15/16	80	130	400	1200	8.4	54.6	840	840	770	610	390	280	200		M8-M16
PA6-175-2-490	193.7	7.63	16	17	24	15/16	80	120	400	1200	10.3	62.8	1200	1200	1120	940	620	440	320		M8-M16
PA6-175-3-490	193.7	7.63	20	20	30	13/16	100	150	450	1200	19.1	95.0	2210	2210	2110	1790	1260	880	630		M12-M24
PA6-175-4-490	193.7	7.63	24	25	36	17/16	160	220	500	1200	33.6	140.4	3380	3380	3230	2690	1810	1260	900		M12-M36
PA6-175-5-490	193.7	7.63	30	29	45	13/4	150	230	500	1200	40.6	173.8	4870	4870	4700	4040	2820	1980	1430		M12-M36
PA6-175-0-530	193.7	7.63	12	15	18	11/16	80	100	400	1200	8.1	41.6	630	630	580	470	320	220	160		M8-M16
PA6-175-1-530	193.7	7.63	16	17	24	15/16	80	150	400	1200	10.3	63.0	980	980	900	740	500	350	250		M8-M16
PA6-175-2-530	193.7	7.63	16	17	24	15/16	90	140	400	1200	11.6	73.2	1420	1420	1330	1090	710	500	360		M8-M16
PA6-175-3-530	193.7	7.63	20	20	30	13/16	110	170	450	1200	21.0	107.6	2540	2540	2420	2050	1400	980	700		M12-M24
PA6-175-4-530	193.7	7.63	24	25	36	17/16	130	190	500	1200	33.9	141.3	3660	3660	3660	3260	2400	1690	1220		M12-M36
PA6-175-5-530	193.7	7.63	30	29	45	13/4	170	260	500	1200	45.9	196.3	5560	5560	5370	4630	3240	2270	1640		M12-M36
PA6-175-0-560	193.7	7.63	12	15	18	11/16	80	130	400	1200	8.1	54.0	780	780	780	630	460	370	290		M8-M16
PA6-175-1-560	193.7	7.63	16	17	24	15/16	80	120	400	1200	10.3	62.8	1200	1200	1130	950	720	570	450		M8-M16
PA6-175-2-560	193.7	7.63	16	17	24	15/16	120	170	400	1200	15.4	88.8	1600	1600	1600	1400	1060	840	670		M8-M16
PA6-175-3-560	193.7	7.63	20	20	30	13/16	140	210	450	1200	26.4	132.7	2630	2630	2630	2620	2040	1630	1300		M12-M24
PA6-175-4-560	193.7	7.63	24	25	36	17/16	160	230	500	1200	41.6	170.8	3660	3660	3660	3660	3260	2640	2100		M12-M36
PA6-175-5-560	193.7	7.63	30	29	45	13/4	150	240	500	1200	48.3	206.7	6060	6060	6060	5760	4590	3690	2930		M12-M36
PA6-175-0-600	193.7	7.63	12	15	18	11/16	90	130	400	1200	11.2	67.3	780	780	780	780	780	630	500		M8-M16
PA6-175-1-600	193.7	7.63	16	17	24	15/16	90	190	450	1200	16.7	99.3	1600	1600	1600	1580	1200	950	760		M8-M16
PA6-175-2-600	193.7	7.63	16	17	24	15/16	120	180	450	1200	22.1	112.6	1600	1600	1600	1600	1600	1380	1090		M8-M16
PA6-175-3-600	193.7	7.63	20	20	30	13/16	140	230	450	1200	32.7	169.1	2630	2630	2630	2630	2630	2630	2080		M12-M24
PA6-175-4-600	193.7	7.63	24	25	36	17/16	170	250	500	1200	52.5	211.7	3660	3660	3660	3660	3660	3660	3180		M12-M36
PA6-175-5-600	193.7	7.63	30	29	45	13/4	230	320	500	1100	73.4	255.1	6090	6090	6090	6090	6090	5860	4630		M12-M36

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**



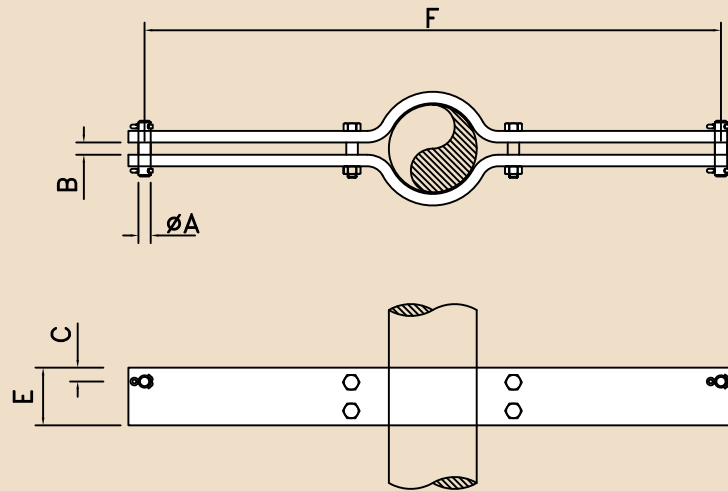
Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA6-200-0-400	219.1	8.63	12	15	18	11/16	80	110	400	1500	7.0	56.5	530	500							M8-M16
PA6-200-1-400	219.1	8.63	16	17	24	15/16	90	160	450	1500	10.5	83.0	790	750							M8-M16
PA6-200-2-400	219.1	8.63	16	17	24	15/16	100	150	450	1500	14.5	97.0	1150	1100							M8-M16
PA6-200-3-400	219.1	8.63	20	20	30	13/16	120	190	500	1500	25.5	148.4	2160	2080							M12-M24
PA6-200-4-400	219.1	8.63	24	25	36	17/16	150	210	500	1500	32.4	192.7	3290	3220							M12-M36
PA6-200-5-400	219.1	8.63	30	29	45	13/4	160	230	550	1500	47.8	243.7	4770	4720							M12-M36
PA6-200-6-400	219.1	8.63	36	41	54	21/8	200	320	600	1400	77.2	322.0	7520	7430							M20-M64
PA6-200-0-490	219.1	8.63	12	15	18	11/16	80	110	400	1500	7.0	56.5	540	540	500	410	280	190	140		M8-M16
PA6-200-1-490	219.1	8.63	16	17	24	15/16	90	160	450	1500	10.5	82.9	820	820	750	620	400	280	210		M8-M16
PA6-200-2-490	219.1	8.63	16	17	24	15/16	80	150	450	1500	11.5	96.9	1190	1190	1100	860	560	400	290		M8-M16
PA6-200-3-490	219.1	8.63	20	20	30	13/16	100	190	500	1500	21.1	148.2	2220	2220	2100	1720	1160	810	580		M12-M24
PA6-200-4-490	219.1	8.63	24	25	36	17/16	150	210	500	1500	32.2	192.1	3390	3390	3280	2690	1810	1260	900		M12-M36
PA6-200-5-490	219.1	8.63	30	29	45	13/4	160	220	550	1500	47.2	232.6	4680	4680	4570	4010	2820	1990	1430		M12-M36
PA6-200-6-490	219.1	8.63	36	41	54	21/8	200	310	600	1400	76.9	311.6	7490	7490	7300	6430	4810	3500	2480		M20-M64
PA6-200-0-530	219.1	8.63	12	15	18	11/16	80	130	450	1500	9.1	66.8	650	650	600	490	330	230	170		M8-M16
PA6-200-1-530	219.1	8.63	16	17	24	15/16	80	120	450	1500	11.5	77.6	930	930	870	730	510	360	260		M8-M16
PA6-200-2-530	219.1	8.63	16	17	24	15/16	100	170	450	1500	14.4	109.8	1360	1360	1280	1070	720	510	370		M8-M16
PA6-200-3-530	219.1	8.63	20	20	30	13/16	120	220	500	1500	25.2	171.5	2600	2600	2490	2100	1420	990	710		M12-M24
PA6-200-4-530	219.1	8.63	24	25	36	17/16	130	240	550	1500	37.1	219.4	3660	3660	3660	3180	2240	1580	1140		M12-M36
PA6-200-5-530	219.1	8.63	30	29	45	13/4	180	250	550	1500	53.0	264.4	5390	5390	5260	4560	3210	2260	1630		M12-M36
PA6-200-6-530	219.1	8.63	36	41	54	21/8	230	310	600	1250	88.0	282.4	7620	7620	7620	7340	5600	4070	2890		M20-M64
PA6-200-0-560	219.1	8.63	12	15	18	11/16	90	160	450	1500	10.2	82.2	780	780	760	630	470	370	290		M8-M16
PA6-200-1-560	219.1	8.63	16	17	24	15/16	90	150	450	1500	12.9	96.9	1190	1190	1120	950	720	570	460		M8-M16
PA6-200-2-560	219.1	8.63	16	17	24	15/16	80	150	450	1500	15.2	116.0	1310	1310	1310	1310	1090	880	700		M8-M16
PA6-200-3-560	219.1	8.63	20	20	30	13/16	150	190	500	1500	31.3	172.5	2510	2510	2510	2510	2040	1610	1280		M12-M24
PA6-200-4-560	219.1	8.63	24	25	36	17/16	170	210	550	1500	48.3	219.0	3660	3660	3660	3660	3160	2590	2040		M12-M36
PA6-200-5-560	219.1	8.63	30	29	45	13/4	160	300	550	1500	56.1	316.8	5480	5480	5480	5480	4580	3690	2930		M12-M36
PA6-200-6-560	219.1	8.63	36	41	54	21/8	200	320	600	1100	89.1	261.2	7620	7620	7620	7620	7310	5930	4700		M20-M64
PA6-200-0-600	219.1	8.63	12	15	18	11/16	90	160	450	1500	12.6	102.4	780	780	780	780	750	590	460		M8-M16
PA6-200-1-600	219.1	8.63	16	17	24	15/16	80	160	450	1500	15.2	123.7	1310	1310	1310	1310	1180	930	740		M8-M16
PA6-200-2-600	219.1	8.63	16	17	24	15/16	110	220	450	1500	20.8	170.0	1600	1600	1600	1600	1600	1340	1060		M8-M16
PA6-200-3-600	219.1	8.63	20	20	30	13/16	150	210	500	1500	38.9	217.4	2630	2630	2630	2630	2630	2570	2030		M12-M24
PA6-200-4-600	219.1	8.63	24	25	36	17/16	180	320	550	1500	60.9	333.4	3660	3660	3660	3660	3660	3660	3240		M12-M36
PA6-200-5-600	219.1	8.63	30	29	45	13/4	240	320	550	1100	83.6	257.3	6090	6090	6090	6090	6090	5750	4570		M12-M36
PA6-200-6-600	219.1	8.63	36	41	54	21/8	230	310	600	750	115.8	184.6	7620	7620	7620	7620	7620	7620	7460		M20-M64



# PA6 PRESSED RISER CLAMP SIX BOLT TYPE

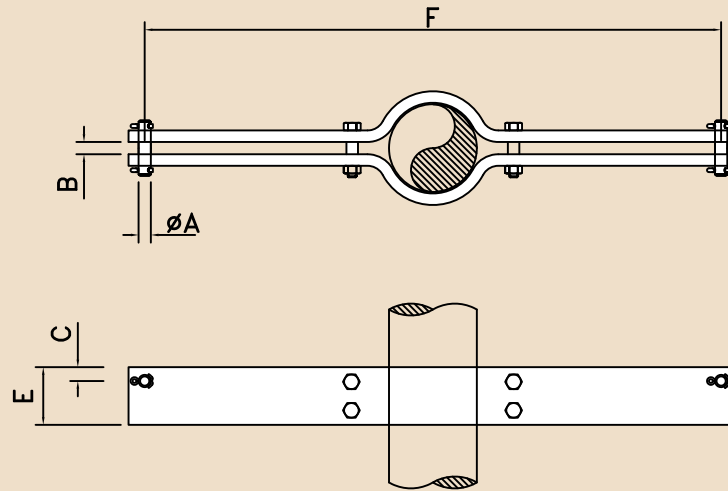


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA6-225-0-400	244.5	9.63	12	15	18	11/16	80	110	450	1500	7.8	57.0	530	500							M8-M16
PA6-225-1-400	244.5	9.63	16	17	24	15/16	100	160	500	1500	16.0	83.7	800	760							M8-M16
PA6-225-2-400	244.5	9.63	16	17	24	15/16	100	150	500	1500	16.0	97.7	1170	1110							M8-M16
PA6-225-3-400	244.5	9.63	20	20	30	13/16	120	190	550	1500	27.8	149.5	2170	2090							M12-M24
PA6-225-4-400	244.5	9.63	24	25	36	17/16	160	210	550	1500	37.6	193.9	3310	3190							M12-M36
PA6-225-5-400	244.5	9.63	30	29	45	13/4	170	230	600	1500	54.7	245.3	4790	4650							M12-M36
PA6-225-6-400	244.5	9.63	36	41	54	2 1/8	210	320	650	1400	87.9	325.0	7550	7400							M20-M64
PA6-225-0-490	244.5	9.63	12	15	18	11/16	80	110	450	1500	7.8	57.0	550	550	500	390	250	180	130		M8-M16
PA6-225-1-490	244.5	9.63	16	17	24	15/16	80	160	450	1500	9.5	83.6	830	830	750	570	360	260	190		M8-M16
PA6-225-2-490	244.5	9.63	16	17	24	15/16	100	150	500	1500	16.0	97.7	1200	1200	1120	940	630	450	330		M8-M16
PA6-225-3-490	244.5	9.63	20	20	30	13/16	100	190	500	1500	21.5	149.3	2240	2240	2130	1770	1190	830	590		M12-M24
PA6-225-4-490	244.5	9.63	24	25	36	17/16	160	210	550	1500	37.4	193.6	3410	3410	3200	2590	1740	1210	860		M12-M36
PA6-225-5-490	244.5	9.63	30	29	45	13/4	170	220	600	1500	54.4	234.4	4700	4700	4570	3930	2720	1900	1380		M12-M36
PA6-225-6-490	244.5	9.63	36	41	54	2 1/8	190	310	600	1400	74.2	313.7	7510	7510	7310	6400	4680	3380	2410		M20-M64
PA6-225-0-530	244.5	9.63	12	15	18	11/16	80	130	450	1500	9.2	67.3	660	660	610	490	330	230	160		M8-M16
PA6-225-1-530	244.5	9.63	16	17	24	15/16	80	120	450	1500	11.8	78.1	940	940	880	730	510	360	260		M8-M16
PA6-225-2-530	244.5	9.63	16	17	24	15/16	100	170	450	1500	14.6	110.7	1380	1380	1290	1080	750	520	380		M8-M16
PA6-225-3-530	244.5	9.63	20	20	30	13/16	120	220	500	1500	25.7	172.8	2630	2630	2500	2110	1460	1020	720		M12-M24
PA6-225-4-530	244.5	9.63	24	25	36	17/16	130	240	550	1500	37.7	220.9	3660	3660	3660	3270	2280	1600	1150		M12-M36
PA6-225-5-530	244.5	9.63	30	29	45	13/4	200	250	600	1500	63.7	266.1	5410	5410	5270	4610	3250	2270	1640		M12-M36
PA6-225-6-530	244.5	9.63	36	41	54	2 1/8	220	310	600	1250	85.6	284.5	7620	7620	7620	7340	5490	3970	2830		M20-M64
PA6-225-0-560	244.5	9.63	12	15	18	11/16	90	160	450	1500	10.4	82.8	780	780	760	630	470	370	290		M8-M16
PA6-225-1-560	244.5	9.63	16	17	24	15/16	90	160	450	1500	13.2	104.1	1290	1290	1210	1020	770	610	480		M8-M16
PA6-225-2-560	244.5	9.63	16	17	24	15/16	120	150	450	1500	17.5	116.8	1600	1600	1600	1400	1060	840	660		M8-M16
PA6-225-3-560	244.5	9.63	20	20	30	13/16	150	190	500	1500	32.0	173.6	2630	2630	2630	2550	2030	1650	1310		M12-M24
PA6-225-4-560	244.5	9.63	24	25	36	17/16	160	220	550	1500	46.3	231.1	3660	3660	3660	3660	3170	2510	2010		M12-M36
PA6-225-5-560	244.5	9.63	30	29	45	13/4	180	300	600	1500	68.5	319.1	6090	6090	6090	5680	4650	3800	3000		M12-M36
PA6-225-6-560	244.5	9.63	36	41	54	2 1/8	220	320	650	1100	105.1	263.4	7620	7620	7620	7620	7360	6010	4750		M20-M64
PA6-225-0-600	244.5	9.63	12	15	18	11/16	90	160	450	1500	12.9	103.2	780	780	780	780	770	610	480		M8-M16
PA6-225-1-600	244.5	9.63	16	17	24	15/16	90	160	500	1500	18.8	124.6	1310	1310	1310	1310	1170	940	750		M8-M16
PA6-225-2-600	244.5	9.63	16	17	24	15/16	130	230	500	1500	27.1	179.0	1600	1600	1600	1600	1600	1390	1110		M8-M16
PA6-225-3-600	244.5	9.63	20	20	30	13/16	170	220	550	1500	48.0	229.2	2550	2550	2550	2550	2550	2510	2120		M12-M24
PA6-225-4-600	244.5	9.63	24	25	36	17/16	170	320	550	1500	58.6	335.8	3660	3660	3660	3660	3660	3660	3200		M12-M36
PA6-225-5-600	244.5	9.63	30	29	45	13/4	190	320	600	1100	83.4	259.5	5770	5770	5770	5770	5770	5750	4560		M12-M36
PA6-225-6-600	244.5	9.63	36	41	54	2 1/8	250	300	650	750	135.5	181.1	7620	7620	7620	7620	7620	7620	7420		M20-M64

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**

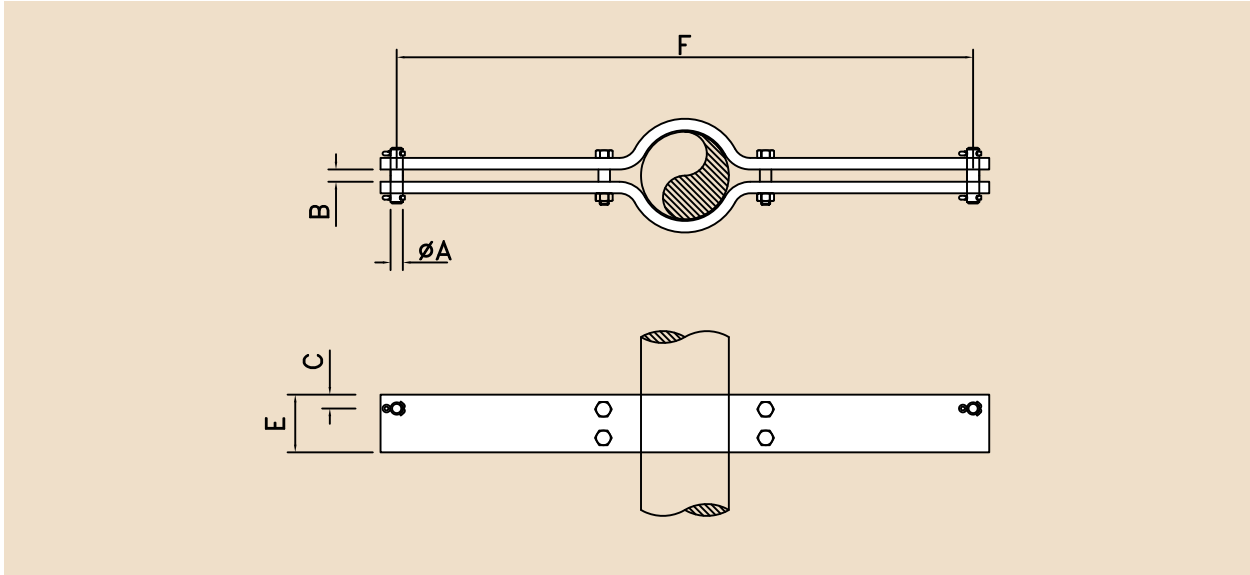


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A		B		C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in	mm	mm	mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600			
PA6-250-0-400	273	10.75	12	15	18	11/16	80	100	450	1500	8.0	52.3	490	460						M8-M16		
PA6-250-1-400	273	10.75	16	17	24	15/16	100	150	500	1500	16.4	79.2	760	720						M8-M16		
PA6-250-2-400	273	10.75	16	17	24	15/16	100	150	500	1500	16.4	98.7	1190	1130						M8-M16		
PA6-250-3-400	273	10.75	20	20	30	13/16	120	190	550	1500	28.4	150.8	2210	2130						M12-M24		
PA6-250-4-400	273	10.75	24	25	36	17/16	150	210	600	1500	47.8	195.7	3360	3280						M12-M36		
PA6-250-5-400	273	10.75	30	29	45	13/4	180	220	650	1500	62.5	236.7	4610	4560						M12-M36		
PA6-250-6-400	273	10.75	36	41	54	21/8	220	320	700	1400	98.6	327.6	7620	7430						M20-M64		
PA6-250-7-400	273	10.75	42	45	63	21/2	240	320	700	1050	127.7	262.2	10930	10930						M30-M64		
PA6-250-0-490	273	10.75	12	15	18	11/16	80	100	450	1500	8.0	52.3	500	500	470	380	260	180	130	M8-M16		
PA6-250-1-490	273	10.75	16	17	24	15/16	90	150	500	1500	11.8	79.1	790	790	730	590	380	270	200	M8-M16		
PA6-250-2-490	273	10.75	16	17	24	15/16	100	140	500	1500	16.4	92.1	1130	1130	1060	890	630	440	320	M8-M16		
PA6-250-3-490	273	10.75	20	20	30	13/16	100	180	550	1500	23.6	142.7	2140	2140	2030	1660	1120	780	560	M12-M24		
PA6-250-4-490	273	10.75	24	25	36	17/16	150	200	550	1500	35.8	186.1	3280	3280	3170	2600	1760	1230	880	M12-M36		
PA6-250-5-490	273	10.75	30	29	45	13/4	160	280	600	1500	52.3	263.5	4740	4740	4580	3900	2740	1940	1390	M12-M36		
PA6-250-6-490	273	10.75	36	41	54	21/8	200	320	650	1450	84.0	336.5	7530	7530	7340	6440	4760	3460	2460	M20-M64		
PA6-250-7-490	273	10.75	42	45	63	21/2	230	310	700	1050	121.7	253.2	10930	10930	10750	9310	7180	5360	3760	M30-M64		
PA6-250-0-530	273	10.75	12	15	18	11/16	80	120	500	1500	10.3	62.8	620	620	570	470	310	220	160	M8-M16		
PA6-250-1-530	273	10.75	16	17	24	15/16	80	120	500	1500	13.0	78.9	960	960	900	750	530	370	270	M8-M16		
PA6-250-2-530	273	10.75	16	17	24	15/16	100	170	500	1500	16.2	111.8	1270	1270	1270	1060	700	490	350	M8-M16		
PA6-250-3-530	273	10.75	20	20	30	13/16	120	210	550	1500	28.2	166.4	2540	2540	2420	2040	1380	960	690	M12-M24		
PA6-250-4-530	273	10.75	24	25	36	17/16	140	230	600	1500	44.4	213.8	3660	3660	3660	3190	2370	1670	1200	M12-M36		
PA6-250-5-530	273	10.75	30	29	45	13/4	190	250	600	1500	61.8	268.3	5470	5470	5340	4700	3310	2340	1680	M12-M36		
PA6-250-6-530	273	10.75	36	41	54	21/8	230	320	650	1300	96.3	306.7	7620	7620	7620	7400	5540	4030	2860	M20-M64		
PA6-250-7-530	273	10.75	42	45	63	21/2	270	310	700	950	142.3	233.7	10930	10930	10930	10850	8550	6380	4480	M30-M64		
PA6-250-0-560	273	10.75	12	15	18	11/16	80	160	500	1500	12.7	83.6	780	780	780	650	480	380	300	M8-M16		
PA6-250-1-560	273	10.75	16	17	24	15/16	100	150	500	1500	16.2	98.5	1220	1220	1150	980	740	590	470	M8-M16		
PA6-250-2-560	273	10.75	16	17	24	15/16	100	150	550	1500	23.1	118.0	1600	1600	1600	1440	1120	900	720	M8-M16		
PA6-250-3-560	273	10.75	20	20	30	13/16	160	190	550	1500	37.4	175.2	2630	2630	2630	2610	2090	1680	1330	M12-M24		
PA6-250-4-560	273	10.75	24	25	36	17/16	170	280	600	1500	53.5	259.9	3660	3660	3660	3660	3210	2550	2040	M12-M36		
PA6-250-5-560	273	10.75	30	29	45	13/4	190	290	650	1500	78.0	311.1	6090	6090	6090	5580	4600	3760	2970	M12-M36		
PA6-250-6-560	273	10.75	36	41	54	21/8	210	310	650	1100	102.1	257.8	7620	7620	7620	7620	7390	6050	4780	M20-M64		
PA6-250-7-560	273	10.75	42	45	63	21/2	240	320	700	850	144.0	221.1	10930	10930	10930	10930	10710	8770	6920	M30-M64		
PA6-250-0-600	273	10.75	12	15	18	11/16	100	150	500	1500	15.8	97.7	780	780	780	780	740	590	470	M8-M16		
PA6-250-1-600	273	10.75	16	17	24	15/16	90	160	500	1500	19.2	125.7	1150	1150	1150	1150	1130	970	770	M8-M16		
PA6-250-2-600	273	10.75	16	17	24	15/16	120	220	500	1500	25.6	172.8	1530	1530	1530	1530	1510	1380	1090	M8-M16		
PA6-250-3-600	273	10.75	20	20	30	13/16	160	280	550	1500	46.4	258.0	2630	2630	2630	2630	2630	2590	2050	M12-M24		
PA6-250-4-600	273	10.75	24	25	36	17/16	180	310	600	1500	67.4	328.0	3660	3660	3660	3660	3660	3660	3180	M12-M36		
PA6-250-5-600	273	10.75	30	29	45	13/4	200	320	650	1150	95.1	272.7	6090	6090	6090	6090	6090	5830	4620	M12-M36		
PA6-250-6-600	273	10.75	36	41	54	21/8	260	310	700	800	151.2	199.3	7620	7620	7620	7620	7620	7620	7480	M20-M64		

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**

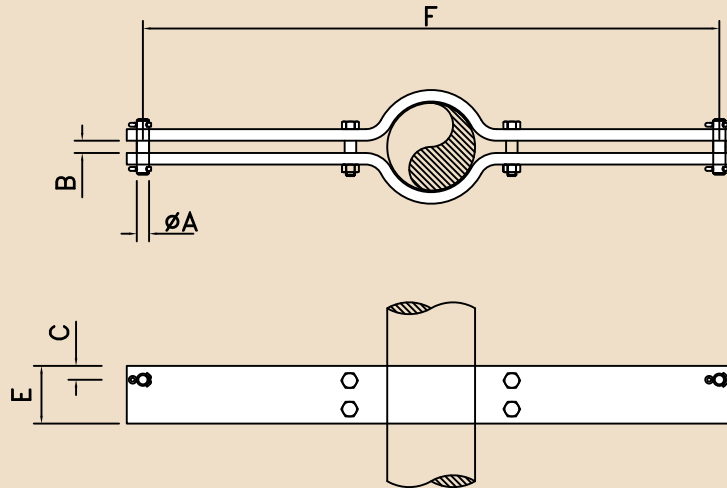


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA6-300-1-400	323.9	12.75	16	17	24	15/16	100	130	550	1900	18.2	107.4	780	750							M8-M16
PA6-300-2-400	323.9	12.75	16	17	24	15/16	120	180	600	1900	23.4	148.7	1110	1060							M8-M16
PA6-300-3-400	323.9	12.75	20	20	30	13/16	150	230	650	1850	41.7	223.5	2150	2080							M12-M24
PA6-300-4-400	323.9	12.75	24	25	36	17/16	150	260	650	1850	52.4	295.7	3350	3280							M12-M36
PA6-300-5-400	323.9	12.75	30	29	45	13/4	190	280	700	1850	72.3	367.7	4750	4700							M12-M36
PA6-300-6-400	323.9	12.75	36	41	54	2 1/8	230	320	750	1450	111.2	342.7	7510	7430							M20-M64
PA6-300-7-400	323.9	12.75	42	45	63	2 1/2	260	320	800	1100	157.1	278.4	10930	10810							M30-M64
PA6-300-8-400	323.9	12.75	48	52	72	2 13/16	300	300	850	850	218.6	218.6	15170	15020							M42-M80
PA6-300-1-490	323.9	12.75	16	17	24	15/16	90	130	550	1900	13.1	107.4	800	800	750	580	380	270	200		M8-M16
PA6-300-2-490	323.9	12.75	16	17	24	15/16	100	180	550	1900	18.2	148.5	1140	1140	1080	910	650	460	330		M8-M16
PA6-300-3-490	323.9	12.75	20	20	30	13/16	120	220	600	1850	31.3	213.5	2110	2110	2030	1730	1290	940	670		M12-M24
PA6-300-4-490	323.9	12.75	24	25	36	17/16	120	250	650	1850	41.8	284.1	3300	3300	3200	2760	1960	1400	1000		M12-M36
PA6-300-5-490	323.9	12.75	30	29	45	13/4	170	270	650	1850	60.5	353.9	4700	4700	4590	4060	2890	2060	1480		M12-M36
PA6-300-6-490	323.9	12.75	36	41	54	2 1/8	220	310	750	1450	105.7	331.3	7470	7470	7310	6340	4730	3460	2450		M20-M64
PA6-300-7-490	323.9	12.75	42	45	63	2 1/2	260	320	800	1100	155.9	277.2	10930	10930	10930	9560	7430	5580	3900		M30-M64
PA6-300-8-490	323.9	12.75	48	52	72	2 13/16	300	320	850	900	217.4	241.6	15280	15280	14930	13200	10670	8180	5690		M42-M80
PA6-300-1-530	323.9	12.75	16	17	24	15/16	100	150	550	1900	18.2	123.8	940	940	890	750	530	380	270		M8-M16
PA6-300-2-530	323.9	12.75	16	17	24	15/16	110	150	550	1900	20.0	148.2	1340	1340	1290	1100	760	530	380		M8-M16
PA6-300-3-530	323.9	12.75	20	20	30	13/16	130	200	600	1900	33.7	231.5	2500	2500	2420	2100	1480	1030	740		M12-M24
PA6-300-4-530	323.9	12.75	24	25	36	17/16	140	220	650	1850	48.6	285.1	3660	3660	3660	3240	2330	1660	1190		M12-M36
PA6-300-5-530	323.9	12.75	30	29	45	13/4	190	310	650	1850	67.5	406.0	5460	5460	5330	4590	3260	2320	1670		M12-M36
PA6-300-6-530	323.9	12.75	36	41	54	2 1/8	190	320	750	1350	106.1	321.8	7620	7620	7620	7340	5750	4320	3020		M20-M64
PA6-300-7-530	323.9	12.75	42	45	63	2 1/2	270	310	750	1000	153.4	249.2	10930	10930	10930	10840	8460	6350	4450		M30-M64
PA6-300-1-560	323.9	12.75	16	17	24	15/16	100	190	550	1900	18.1	156.8	1050	1050	1050	980	750	600	480		M8-M16
PA6-300-2-560	323.9	12.75	16	17	24	15/16	100	180	600	1900	25.5	177.7	1600	1600	1570	1360	1070	860	680		M8-M16
PA6-300-3-560	323.9	12.75	20	20	30	13/16	160	240	600	1900	41.3	277.4	2630	2630	2630	2590	2070	1640	1310		M12-M24
PA6-300-4-560	323.9	12.75	24	25	36	17/16	180	260	650	1850	62.2	336.8	3660	3660	3660	3660	3250	2670	2110		M12-M36
PA6-300-5-560	323.9	12.75	30	29	45	13/4	190	320	700	1650	84.8	378.5	6090	6090	6090	5680	4710	3830	3040		M12-M36
PA6-300-6-560	323.9	12.75	36	41	54	2 1/8	230	310	750	1150	127.9	272.8	7620	7620	7620	7620	7390	6060	4790		M20-M64
PA6-300-7-560	323.9	12.75	42	45	63	2 1/2	270	320	800	900	182.8	236.1	10930	10930	10930	10930	10930	9020	7130		M30-M64
PA6-300-1-600	323.9	12.75	16	17	24	15/16	100	190	600	1900	25.4	187.4	1050	1050	1050	1050	1050	910	730		M8-M16
PA6-300-2-600	323.9	12.75	16	17	24	15/16	140	200	600	1900	35.4	229.8	1480	1480	1480	1480	1480	1390	1100		M8-M16
PA6-300-3-600	323.9	12.75	20	20	30	13/16	160	260	600	1900	51.2	342.7	2630	2630	2630	2630	2630	2570	2030		M12-M24
PA6-300-4-600	323.9	12.75	24	25	36	17/16	180	320	650	1600	73.9	363.7	3660	3660	3660	3660	3660	3660	3160		M12-M36
PA6-300-5-600	323.9	12.75	30	29	45	13/4	210	320	700	1200	108.5	288.0	6090	6090	6090	6090	6090	5880	4640		M12-M36
PA6-300-6-600	323.9	12.75	36	41	54	2 1/8	260	300	750	850	163.8	207.5	7620	7620	7620	7620	7620	7620	7320		M20-M64

# PA6 PRESSED RISER CLAMP SIX BOLT TYPE

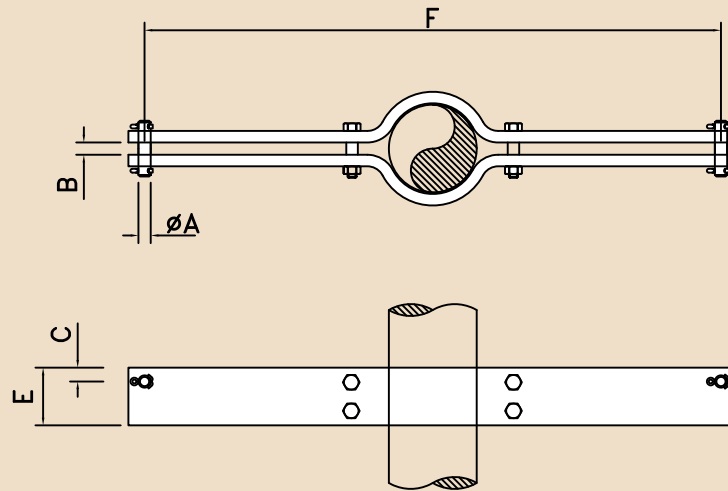


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A		B		C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C								Compatible with Rod Sizes
	mm	in	mm	mm	mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600				
PA6-350-1-400	355.6	14	16	17	24	15/16	120	130	600	1850	23.9	105.9	820	790							M8-M16		
PA6-350-2-400	355.6	14	16	17	24	15/16	120	180	600	1850	23.9	146.4	1170	1120							M8-M16		
PA6-350-3-400	355.6	14	20	20	30	13/16	150	220	650	1850	42.5	215.6	2080	2020							M12-M24		
PA6-350-4-400	355.6	14	24	25	36	17/16	180	250	700	1850	68.0	287.3	3260	3190							M12-M36		
PA6-350-5-400	355.6	14	30	29	45	13/4	190	270	750	1850	77.3	357.3	4630	4560							M12-M36		
PA6-350-6-400	355.6	14	36	41	54	21/8	240	310	800	1450	124.5	336.4	7420	7350							M20-M64		
PA6-350-7-400	355.6	14	42	45	63	21/2	270	310	850	1100	172.7	272.8	10930	10770							M30-M64		
PA6-350-8-400	355.6	14	48	52	72	213/16	310	310	900	900	238.4	238.4	15170	15030							M42-M80		
PA6-350-1-490	355.6	14	16	17	24	15/16	100	120	600	1850	19.8	97.6	770	770	730	610	440	310	220		M8-M16		
PA6-350-2-490	355.6	14	16	17	24	15/16	100	170	600	1850	19.8	138.1	1130	1130	1070	900	630	440	320		M8-M16		
PA6-350-3-490	355.6	14	20	20	30	13/16	120	220	650	1850	33.9	215.3	2150	2150	2060	1760	1270	880	640		M12-M24		
PA6-350-4-490	355.6	14	24	25	36	17/16	150	250	700	1850	56.3	286.6	3360	3360	3250	2830	2200	1660	1160		M12-M36		
PA6-350-5-490	355.6	14	30	29	45	13/4	180	270	700	1850	69.1	356.6	4760	4760	4660	4080	2910	2070	1490		M12-M36		
PA6-350-6-490	355.6	14	36	41	54	21/8	230	320	800	1500	118.3	356.0	7560	7560	7390	6340	4740	3480	2460		M20-M64		
PA6-350-7-490	355.6	14	42	45	63	21/2	250	320	800	1150	152.3	290.3	10930	10930	10730	9500	7440	5590	3910		M30-M64		
PA6-350-8-490	355.6	14	48	52	72	213/16	290	310	850	900	213.1	237.1	15630	15630	15280	13520	10960	8410	5860		M42-M80		
PA6-350-1-530	355.6	14	16	17	24	15/16	100	140	600	1850	19.8	113.8	920	920	860	730	520	370	270		M8-M16		
PA6-350-2-530	355.6	14	16	17	24	15/16	110	200	600	1850	21.7	162.4	1350	1350	1270	1060	700	490	350		M8-M16		
PA6-350-3-530	355.6	14	20	20	30	13/16	130	190	650	1850	36.6	216.5	2480	2480	2400	2040	1390	960	700		M12-M24		
PA6-350-4-530	355.6	14	24	25	36	17/16	150	280	700	1850	56.0	320.5	3660	3660	3660	3190	2380	1700	1220		M12-M36		
PA6-350-5-530	355.6	14	30	29	45	13/4	200	300	700	1850	76.2	396.0	5340	5340	5220	4570	3260	2320	1670		M12-M36		
PA6-350-6-530	355.6	14	36	41	54	21/8	200	320	800	1350	118.8	325.0	7620	7620	7620	7460	5820	4370	3060		M20-M64		
PA6-350-7-530	355.6	14	42	45	63	21/2	280	320	800	1050	170.0	270.2	10930	10930	10930	10790	8410	6320	4420		M30-M64		
PA6-350-8-530	355.6	14	48	52	72	213/16	320	320	850	850	234.5	234.5	17480	17480	17100	15130	12260	9410	6560		M42-M80		
PA6-350-1-560	355.6	14	16	17	24	15/16	100	180	600	1850	19.7	146.2	950	950	950	950	730	580	450		M8-M16		
PA6-350-2-560	355.6	14	16	17	24	15/16	100	180	600	1850	26.0	174.9	1600	1600	1600	1430	1130	910	720		M8-M16		
PA6-350-3-560	355.6	14	20	20	30	13/16	130	230	700	1850	47.9	261.9	2630	2630	2630	2600	2110	1710	1360		M12-M24		
PA6-350-4-560	355.6	14	24	25	36	17/16	180	250	700	1850	67.0	326.4	3660	3660	3660	3660	3160	2530	2010		M12-M36		
PA6-350-5-560	355.6	14	30	29	45	13/4	200	320	750	1700	95.9	392.1	6090	6090	6090	5580	4620	3790	3000		M12-M36		
PA6-350-6-560	355.6	14	36	41	54	21/8	240	320	800	1200	142.1	294.8	7620	7620	7620	7620	7470	6080	4810		M20-M64		
PA6-350-7-560	355.6	14	42	45	63	21/2	280	320	850	950	201.8	250.1	10930	10930	10930	10930	10720	8790	6950		M30-M64		
PA6-350-1-600	355.6	14	16	17	24	15/16	100	180	600	1850	26.0	174.9	1600	1600	1600	1430	1130	910	720		M8-M16		
PA6-350-2-600	355.6	14	16	17	24	15/16	130	190	600	1850	33.7	214.9	1600	1600	1600	1600	1600	1390	1100		M8-M16		
PA6-350-3-600	355.6	14	20	20	30	13/16	170	250	650	1850	58.9	324.4	2630	2630	2630	2630	2630	2590	2050		M12-M24		
PA6-350-4-600	355.6	14	24	25	36	17/16	190	320	700	1600	84.1	367.2	3660	3660	3660	3660	3660	3660	3200		M12-M36		
PA6-350-5-600	355.6	14	30	29	45	13/4	220	310	750	1200	121.7	282.1	6090	6090	6090	6090	6090	5900	4660		M12-M36		
PA6-350-6-600	355.6	14	36	41	54	21/8	270	310	800	900	181.2	227.2	7620	7620	7620	7620	7620	7620	7360		M20-M64		

# PA6 PRESSED RISER CLAMP SIX BOLT TYPE

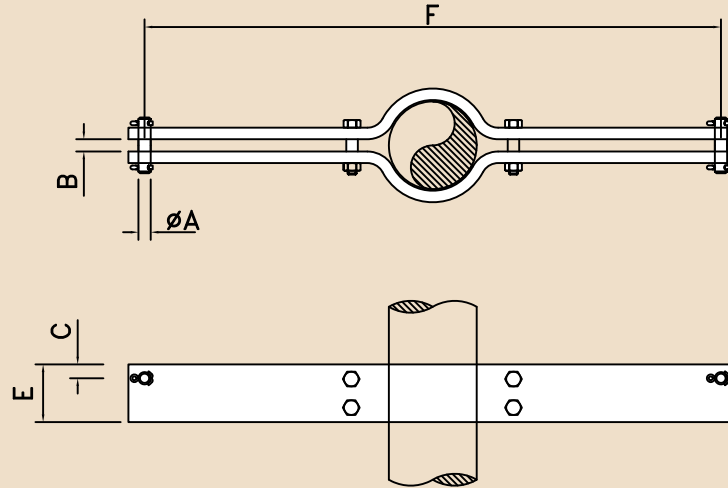


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA6-400-1-400	406.4	16	16	17	24	15/16	120	120	650	1850	26.1	99.1	770	740							M8-M16
PA6-400-2-400	406.4	16	16	17	24	15/16	120	170	650	1850	26.1	140.1	1130	1080							M8-M16
PA6-400-3-400	406.4	16	20	20	30	13/16	150	220	750	1850	48.5	218.3	2150	2080							M12-M24
PA6-400-4-400	406.4	16	24	25	36	17/16	180	240	750	1800	73.5	272.7	3320	3250							M12-M36
PA6-400-5-400	406.4	16	30	29	45	13/4	200	260	800	1800	87.3	340.1	4730	4680							M12-M36
PA6-400-6-400	406.4	16	36	41	54	21/8	240	320	850	1500	133.1	362.2	7620	7430							M20-M64
PA6-400-7-400	406.4	16	42	45	63	21/2	280	310	900	1150	190.4	287.4	10930	10860							M30-M64
PA6-400-8-400	406.4	16	48	52	72	213/16	320	320	950	950	262.9	262.6	15360	15210							M42-M80
PA6-400-1-490	406.4	16	16	17	24	15/16	100	120	650	1850	21.6	98.9	800	800	750	630	450	320	230		M8-M16
PA6-400-2-490	406.4	16	16	17	24	15/16	100	170	650	1850	21.6	139.9	1170	1170	1060	840	550	390	280		M8-M16
PA6-400-3-490	406.4	16	20	20	30	13/16	120	220	700	1850	36.8	218.0	2210	2210	2120	1780	1210	840	600		M12-M24
PA6-400-4-490	406.4	16	24	25	36	17/16	150	230	750	1800	60.9	260.7	3270	3270	3160	2740	2120	1590	1110		M12-M36
PA6-400-5-490	406.4	16	30	29	45	13/4	180	260	750	1800	74.6	339.4	4870	4870	4670	3930	2780	1970	1420		M12-M36
PA6-400-6-490	406.4	16	36	41	54	21/8	240	320	850	1550	131.9	371.1	7500	7500	7320	6440	4780	3490	2470		M20-M64
PA6-400-7-490	406.4	16	42	45	63	21/2	250	310	850	1150	162.6	286.3	10930	10930	10690	9260	7170	5370	3760		M30-M64
PA6-400-8-490	406.4	16	48	52	72	213/16	310	310	950	950	253.0	253.0	15290	15290	14930	13180	10610	8120	5630		M42-M80
PA6-400-1-530	406.4	16	16	17	24	15/16	100	140	650	1850	21.6	115.3	940	940	890	750	530	380	270		M8-M16
PA6-400-2-530	406.4	16	16	17	24	15/16	120	200	700	1850	36.2	164.7	1390	1390	1310	1100	780	550	400		M8-M16
PA6-400-3-530	406.4	16	20	20	30	13/16	140	190	700	1850	42.8	219.2	2550	2550	2470	2110	1430	1000	720		M12-M24
PA6-400-4-530	406.4	16	24	25	36	17/16	150	270	750	1800	60.9	305.9	3660	3660	3660	3220	2280	1610	1160		M12-M36
PA6-400-5-530	406.4	16	30	29	45	13/4	170	290	800	1800	87.9	378.3	5480	5480	5350	4720	3590	2620	1860		M12-M36
PA6-400-6-530	406.4	16	36	41	54	21/8	210	320	850	1400	134.1	340.9	7620	7620	7620	7460	5920	4440	3110		M20-M64
PA6-400-7-530	406.4	16	42	45	63	21/2	240	320	900	1100	184.9	285.3	10930	10930	10930	10750	8660	6620	4590		M30-M64
PA6-400-1-560	406.4	16	16	17	24	15/16	120	180	650	1850	25.7	148.1	990	990	990	990	760	610	480		M8-M16
PA6-400-2-560	406.4	16	16	17	24	15/16	100	170	650	1850	28.5	167.4	1540	1540	1540	1380	1080	870	690		M8-M16
PA6-400-3-560	406.4	16	20	20	30	13/16	130	220	750	1850	51.8	253.7	2630	2630	2630	2540	2050	1660	1320		M12-M24
PA6-400-4-560	406.4	16	24	25	36	17/16	190	250	750	1850	76.4	330.5	3660	3660	3660	3660	3220	2570	2050		M12-M36
PA6-400-5-560	406.4	16	30	29	45	13/4	200	310	800	1700	103.1	348.8	6090	6090	6090	5540	4570	3700	2940		M12-M36
PA6-400-6-560	406.4	16	36	41	54	21/8	250	320	850	1250	158.2	310.7	7620	7620	7620	7620	7380	6040	4770		M20-M64
PA6-400-7-560	406.4	16	42	45	63	21/2	290	310	900	950	222.5	247.3	10930	10930	10930	10930	10930	9010	7120		M30-M64
PA6-400-1-600	406.4	16	16	17	24	15/16	100	180	650	1850	28.5	177.2	1540	1540	1540	1460	1150	920	730		M8-M16
PA6-400-2-600	406.4	16	16	17	24	15/16	150	190	650	1850	42.6	217.6	1600	1600	1600	1600	1600	1420	1120		M8-M16
PA6-400-3-600	406.4	16	20	20	30	13/16	170	250	700	1850	64.0	328.5	2630	2630	2630	2630	2630	2540	2030		M12-M24
PA6-400-4-600	406.4	16	24	25	36	17/16	200	320	750	1650	95.8	382.5	3660	3660	3660	3660	3660	3660	3180		M12-M36
PA6-400-5-600	406.4	16	30	29	45	13/4	220	310	800	1250	131.2	297.1	6090	6090	6090	6090	6090	5820	4600		M12-M36
PA6-400-6-600	406.4	16	36	41	54	21/8	280	320	850	950	201.1	249.5	7620	7620	7620	7620	7620	7620	7370		M20-M64

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**

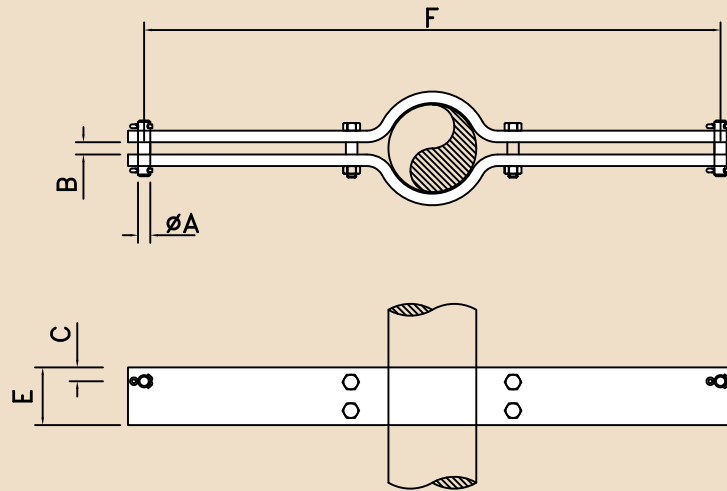


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes			
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600				
PA6-450-2-400	457.2	18	16	17	24	15/16	120	160	700	1800	28.3	130.5	1140	1100									M8-M16
PA6-450-3-400	457.2	18	20	20	30	13/16	150	200	800	1800	52.2	196.5	2080	2020									M12-M24
PA6-450-4-400	457.2	18	24	25	36	17/16	180	230	800	1800	79.0	264.8	3290	3220									M12-M36
PA6-450-5-400	457.2	18	30	29	45	13/4	200	250	850	1800	93.4	331.4	4680	4580									M12-M36
PA6-450-6-400	457.2	18	36	41	54	21/8	220	320	950	1550	156.9	377.7	7600	7530									M20-M64
PA6-450-7-400	457.2	18	42	45	63	21/2	280	310	950	1200	203.9	304.0	10930	10730									M30-M64
PA6-450-8-400	457.2	18	48	52	72	213/16	320	320	1000	1000	277.9	277.9	15070	14930									M42-M80
PA6-450-2-490	457.2	18	16	17	24	15/16	120	160	700	1800	28.1	130.3	1180	1180	1110	920	610	430	300				M8-M16
PA6-450-3-490	457.2	18	20	20	30	13/16	120	200	750	1800	39.8	196.2	2140	2140	2030	1690	1150	800	580				M12-M24
PA6-450-4-490	457.2	18	24	25	36	17/16	150	230	800	1800	65.5	264.2	3380	3380	3280	2860	2230	1610	1160				M12-M36
PA6-450-5-490	457.2	18	30	29	45	13/4	200	250	850	1800	92.7	331.4	4820	4820	4640	3920	2800	2000	1430				M12-M36
PA6-450-6-490	457.2	18	36	41	54	21/8	240	320	900	1600	140.8	386.6	7470	7470	7310	6340	4760	3500	2470				M20-M64
PA6-450-7-490	457.2	18	42	45	63	21/2	260	320	900	1250	179.9	320.9	10930	10930	10720	9500	7440	5600	3910				M30-M64
PA6-450-8-490	457.2	18	48	52	72	213/16	320	320	1000	1000	276.2	276.2	15520	15520	15190	13460	10940	8410	5880				M42-M80
PA6-450-2-530	457.2	18	16	17	24	15/16	120	180	750	1800	39.2	146.7	1340	1340	1260	1060	760	540	390				M8-M16
PA6-450-3-530	457.2	18	20	20	30	13/16	150	230	750	1800	49.5	225.5	2490	2490	2400	2050	1470	1020	740				M12-M24
PA6-450-4-530	457.2	18	24	25	36	17/16	160	260	800	1800	69.7	298.4	3660	3660	3660	3260	2430	1730	1240				M12-M36
PA6-450-5-530	457.2	18	30	29	45	13/4	180	280	850	1800	100.3	370.8	5460	5460	5340	4730	3790	2790	1970				M12-M36
PA6-450-6-530	457.2	18	36	41	54	21/8	210	320	900	1450	143.0	356.4	7620	7620	7620	7500	5890	4430	3100				M20-M64
PA6-450-7-530	457.2	18	42	45	63	21/2	250	320	950	1150	204.5	300.8	10930	10930	10930	10930	8890	6840	4780				M30-M64
PA6-450-2-560	457.2	18	16	17	24	15/16	110	160	700	1800	34.0	155.8	1490	1490	1490	1390	1100	890	710				M8-M16
PA6-450-3-560	457.2	18	20	20	30	13/16	130	210	800	1800	55.8	239.6	2630	2630	2630	2610	2090	1670	1330				M12-M24
PA6-450-4-560	457.2	18	24	25	36	17/16	190	230	800	1800	82.2	301.1	3660	3660	3660	3660	3180	2540	2020				M12-M36
PA6-450-5-560	457.2	18	30	29	45	13/4	210	320	850	1800	115.9	422.7	6090	6090	6090	5520	4590	3760	2980				M12-M36
PA6-450-6-560	457.2	18	36	41	54	21/8	250	320	900	1300	169.6	326.2	7620	7620	7620	7620	7470	6090	4820				M20-M64
PA6-450-7-560	457.2	18	42	45	63	21/2	290	310	950	1000	236.5	262.3	10930	10930	10930	10930	10920	8970	7100				M30-M64
PA6-450-2-600	457.2	18	16	17	24	15/16	160	240	700	1800	49.3	233.6	1600	1600	1600	1600	1600	1370	1100				M8-M16
PA6-450-3-600	457.2	18	20	20	30	13/16	180	230	750	1800	73.3	299.0	2470	2470	2470	2470	2470	2470	2040				M12-M24
PA6-450-4-600	457.2	18	24	25	36	17/16	200	320	800	1700	103.0	398.0	3660	3660	3660	3660	3660	3660	3210				M12-M36
PA6-450-5-600	457.2	18	30	29	45	13/4	220	310	850	1300	140.6	312.1	6090	6090	6090	6090	6090	5780	4570				M12-M36
PA6-450-6-600	457.2	18	36	41	54	21/8	280	320	900	1000	214.6	265.0	7620	7620	7620	7620	7620	7620	7350				M20-M64

# PA6 PRESSED RISER CLAMP SIX BOLT TYPE

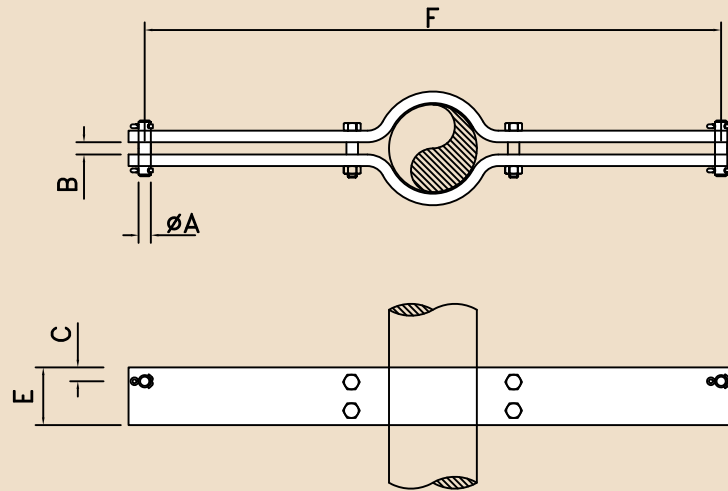


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf	Load Capacity (kgf) at Temperature C								Compatible with Rod Sizes	
	mm	in			mm	in	Min.	Max.	Min.	Max.		Min.	Max.	350	400	490	530	560	580		600
PA6-500-2-400	508	20	16	17	24	15/16	150	150	800	1800	52.8	124.4	1110	1060							M8-M16
PA6-500-3-400	508	20	20	20	30	13/16	180	190	850	1750	83.5	185.4	2130	2080							M12-M24
PA6-500-4-400	508	20	24	25	36	17/16	180	210	850	1750	84.5	239.5	3220	3170							M12-M36
PA6-500-5-400	508	20	30	29	45	13/4	220	230	950	1750	136.2	302.7	4620	4580							M12-M36
PA6-500-6-400	508	20	36	41	54	21/8	220	320	1000	1600	166.2	393.2	7600	7530							M20-M64
PA6-500-7-400	508	20	42	45	63	21/2	260	310	1050	1250	236.0	319.0	10930	10930							M30-M64
PA6-500-2-490	508	20	16	17	24	15/16	120	150	800	1800	42.1	124.1	1140	1140	1080	920	660	480	340		M8-M16
PA6-500-3-490	508	20	20	20	30	13/16	140	190	800	1750	49.7	184.7	2200	2200	2120	1810	1250	870	630		M12-M24
PA6-500-4-490	508	20	24	25	36	17/16	150	210	850	1750	70.1	238.8	3200	3320	3220	2820	2230	1610	1150		M12-M36
PA6-500-5-490	508	20	30	29	45	13/4	180	230	900	1750	106.8	301.7	4760	4760	4670	4160	3410	2630	1850		M12-M36
PA6-500-6-490	508	20	36	41	54	21/8	190	320	950	1650	137.8	402.1	7470	7470	7320	6520	5230	3960	2760		M20-M64
PA6-500-7-490	508	20	42	45	63	21/2	280	320	1000	1300	214.2	337.9	10930	10930	10720	9370	7400	5600	3900		M30-M64
PA6-500-8-490	508	20	48	52	72	213/16	320	320	1050	1050	291.7	291.7	15230	15230	14940	13300	10900	8420	5930		M42-M80
PA6-500-2-530	508	20	16	17	24	15/16	120	180	800	1800	42.1	148.8	1390	1390	1320	1120	810	580	420		M8-M16
PA6-500-3-530	508	20	20	20	30	13/16	160	210	800	1750	56.7	204.1	2450	2450	2360	2020	1440	1000	730		M12-M24
PA6-500-4-530	508	20	24	25	36	17/16	160	240	850	1750	74.6	272.7	3660	3660	3660	3260	2410	1730	1240		M12-M36
PA6-500-5-530	508	20	30	29	45	13/4	180	260	900	1750	106.8	340.8	5450	5450	5340	4750	3770	2790	1960		M12-M36
PA6-500-6-530	508	20	36	41	54	21/8	210	320	950	1500	151.9	371.9	7620	7620	7620	7410	5850	4430	3090		M20-M64
PA6-500-7-530	508	20	42	45	63	21/2	250	320	1000	1200	217.8	317.5	10930	10930	10930	10930	8960	6920	4880		M30-M64
PA6-500-2-560	508	20	16	17	24	15/16	120	150	800	1800	41.9	148.2	1450	1450	1450	1360	1080	870	690		M8-M16
PA6-500-3-560	508	20	20	20	30	13/16	130	200	850	1800	59.8	231.3	2480	2480	2480	2480	2040	1640	1300		M12-M24
PA6-500-4-560	508	20	24	25	36	17/16	200	280	850	1750	92.6	317.9	3660	3660	3660	3660	3170	2590	2050		M12-M36
PA6-500-5-560	508	20	30	29	45	13/4	210	300	900	1750	123.5	392.1	5960	5960	5960	5610	4690	3830	3040		M12-M36
PA6-500-6-560	508	20	36	41	54	21/8	250	310	950	1350	180.2	331.1	7620	7620	7620	7620	7320	6020	4780		M20-M64
PA6-500-7-560	508	20	42	45	63	21/2	290	310	1000	1050	250.6	277.3	10930	10930	10930	10930	10850	8920	7090		M30-M64
PA6-500-2-600	508	20	16	17	24	15/16	110	230	800	1800	47.7	227.0	1330	1330	1330	1330	1330	1330	1080		M8-M16
PA6-500-3-600	508	20	20	20	30	13/16	200	220	800	1800	87.5	289.9	2450	2450	2450	2450	2450	2450	2090		M12-M24
PA6-500-4-600	508	20	24	25	36	17/16	200	310	850	1750	110.4	400.9	3660	3660	3660	3660	3660	3660	3160		M12-M36
PA6-500-5-600	508	20	30	29	45	13/4	230	320	900	1400	156.7	347.7	6090	6090	6090	6090	6090	5840	4650		M12-M36
PA6-500-6-600	508	20	36	41	54	21/8	300	320	1000	1050	254.5	281.3	7620	7620	7620	7620	7620	7620	7340		M20-M64

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**



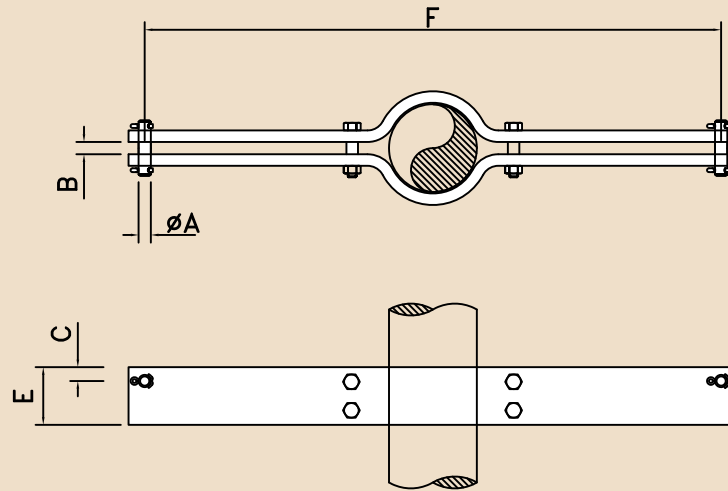
Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C								Compatible with Rod Sizes							
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600									
PA6-550-3-400	558.8	22	20	20	30	1 3/16	180	180	900	1750	89.0	178.1	2100	2040													M12-M24	
PA6-550-4-400	558.8	22	24	25	36	1 7/16	220	220	950	1750	136.6	255.0	3530	3470													M12-M36	
PA6-550-5-400	558.8	22	30	29	45	1 3/4	260	260	1050	1750	205.3	347.6	5510	5460													M12-M36	
PA6-550-6-400	558.8	22	36	41	54	2 1/8	260	320	1050	1650	208.1	410.0	7590	7520													M20-M64	
PA6-550-7-400	558.8	22	42	45	63	2 1/2	260	310	1100	1300	248.4	333.8	10930	10870													M30-M64	
PA6-550-3-490	558.8	22	20	20	30	1 3/16	150	180	850	1750	56.9	177.5	2160	2160	2080	1770	1210	840	610								M12-M24	
PA6-550-4-490	558.8	22	24	25	36	1 7/16	150	200	900	1750	74.6	230.4	3280	3280	3180	2770	2020	1440	1030								M12-M36	
PA6-550-5-490	558.8	22	30	29	45	1 3/4	180	270	950	1700	113.4	307.2	4760	4760	4620	4020	3160	2380	1660								M12-M36	
PA6-550-6-490	558.8	22	36	41	54	2 1/8	220	320	1050	1700	175.5	418.5	7460	7460	7300	6480	5280	4070	2850								M20-M64	
PA6-550-7-490	558.8	22	42	45	63	2 1/2	230	320	1050	1350	211.8	352.9	10930	10930	10770	9560	7790	6000	4200								M30-M64	
PA6-550-3-530	558.8	22	20	20	30	1 3/16	150	210	900	1750	73.8	206.9	2550	2550	2460	2100	1580	1170	820								M12-M24	
PA6-550-4-530	558.8	22	24	25	36	1 7/16	170	230	900	1750	84.4	264.8	3660	3660	3660	3210	2310	1660	1180								M12-M36	
PA6-550-5-530	558.8	22	30	29	45	1 3/4	180	250	950	1750	113.4	332.0	5440	5440	5330	4730	3630	2670	1890								M12-M36	
PA6-550-6-530	558.8	22	36	41	54	2 1/8	230	320	1050	1550	183.3	388.3	7620	7620	7620	7370	5780	4360	3040								M20-M64	
PA6-550-7-530	558.8	22	42	45	63	2 1/2	260	320	1050	1250	238.7	332.8	10930	10930	10930	10740	8760	6740	4720								M30-M64	
PA6-550-4-560	558.8	22	24	25	36	1 7/16	160	280	950	1750	98.5	322.1	3660	3660	3660	3660	3280	2680	2120								M12-M36	
PA6-550-5-560	558.8	22	30	29	45	1 3/4	210	290	950	1750	131.2	384.7	5380	5380	5380	5380	4580	3700	2930								M12-M36	
PA6-550-6-560	558.8	22	36	41	54	2 1/8	260	320	1000	1400	198.3	357.0	7620	7620	7620	7620	7480	6090	4820								M20-M64	
PA6-550-7-560	558.8	22	42	45	63	2 1/2	300	320	1050	1100	274.6	302.6	10930	10930	10930	10930	10910	8960	7110								M30-M64	
PA6-550-3-600	558.8	22	20	20	30	1 3/16	150	270	900	1750	87.6	308.6	2600	2600	2600	2600	2600	2570	2030								M12-M24	
PA6-550-4-600	558.8	22	24	25	36	1 7/16	220	310	900	1750	129.4	406.2	3660	3660	3660	3660	3660	3660	3160								M12-M36	
PA6-550-5-600	558.8	22	30	29	45	1 3/4	230	320	950	1450	166.4	363.1	5920	5920	5920	5920	5920	5790	4590								M12-M36	
PA6-550-6-600	558.8	22	36	41	54	2 1/8	310	310	1050	1050	277.7	277.7	7620	7620	7620	7620	7620	7620	7380								M20-M64	
PA6-600-3-400	609.6	24	20	20	30	1 3/16	180	180	950	1700	94.5	176.2	2300	2240														M12-M24
PA6-600-4-400	609.6	24	24	25	36	1 7/16	220	220	1000	1700	144.7	252.3	3660	3660													M12-M36	
PA6-600-5-400	609.6	24	30	29	45	1 3/4	260	260	1100	1700	216.5	302.3	4660	4590													M12-M36	
PA6-600-6-400	609.6	24	36	41	54	2 1/8	260	320	1100	1700	219.3	425.7	7600	7530													M20-M64	
PA6-600-7-400	609.6	24	42	45	63	2 1/2	290	310	1150	1350	292.5	351.0	10810	10720													M30-M64	
PA6-600-3-490	609.6	24	20	20	30	1 3/16	160	170	900	1700	64.6	165.9	2230	2230	2090	1750	1210	840	610								M12-M24	
PA6-600-4-490	609.6	24	24	25	36	1 7/16	180	190	1000	1700	99.1	217.4	3400	3400	3310	2900	2290	1650	1180								M12-M36	
PA6-600-5-490	609.6	24	30	29	45	1 3/4	180	260	1000	1700	120.1	299.9	4800	4800	4670	4090	3240	2450	1710								M12-M36	
PA6-600-6-490	609.6	24	36	41	54	2 1/8	220	310	1100	1700	185.0	411.0	7570	7570	7420	6620	5440	4160	2900								M20-M64	
PA6-600-7-490	609.6	24	42	45	63	2 1/2	250	320	1150	1400	249.9	368.6	10930	10930	10740	9570	7870	6080	4300								M30-M64	
PA6-600-3-530	609.6	24	20	20	30	1 3/16	150	190	950	1700	78.4	185.3	2520	2520	2430	2080	1590	1170	830								M12-M24	
PA6-600-4-530	609.6	24	24	25	36	1 7/16	190	210	950	1700	100.0	240.0	3660	3660	3660	3230	2430	1750	1250								M12-M36	
PA6-600-5-530	609.6	24	30	29	45	1 3/4	180	230	1000	1700	120.1	302.4	5450	5450	5350	4600	3500	2590	1820								M12-M36	
PA6-600-6-530	609.6	24	36	41	54	2 1/8	240	310	1100	1600	201.4	391.5	7620	7620	7620	7330	6020	4580	3190								M20-M64	
PA6-600-7-530	609.6	24	42	45	63	2 1/2	280	310	1150	1250	279.2	328.0	10930	10930	10930	10910	8970	6930	4900								M30-M64	
PA6-600-3-560	609.6	24	20	20	30	1 3/16	160	230	950	1700	82.2	224.1	2520	2520	2520	2520	2070	1670	1330								M12-M24	
PA6-600-4-560	609.6	24	24	25	36	1 7/16	180	250	1000	1700	118.0	285.4	3660	3660	3660	3660	3230	2640	2090								M12-M36	
PA6-600-5-560	609.6	24	30	29	45	1 3/4	220	260	1000	1700	146.2	341.6	6090	6090	6090	5510	4610	3730	2960								M12-M36	
PA6-600-6-560	609.6	24	36	41	54	2 1/8	260	310	1050	1450	209.5	361.2	7620	7620	7620	7620	7390	6050	4790								M20-M64	
PA6-600-7-560	609.6	24	42	45	63	2 1/2	320	320	1150	1150	318.3	318.3	10930	10930	10930	10930	10840	8920	7100								M30-M64	
PA6-600-3-600	609.6	24	20	20	30	1 3/16	160	250	950	1700	99.3	282.7	2530	2530	2530	2530	2530	2530	2050								M12-M24	
PA6-600-4-600	609.6	24	24	25	36	1 7/16	240	280	950	1700	149.9	363.1	3660	3660	3660	3660	3660	3660	3220								M12-M36	
PA6-600-5-600	609.6	24	30	29	45	1 3/4	250	320	1050	1500	198.3	379.6	5840	5840	5840	5840	5840	5800	4590								M12-M36	
PA6-600-6-600	609.6	24	36	41	54	2 1/8	310	310	1100	1100	292.9	292.2	7620	7620	7620	7620	7620	7620	7360								M20-M64	



# PA6 PRESSED RISER CLAMP SIX BOLT TYPE

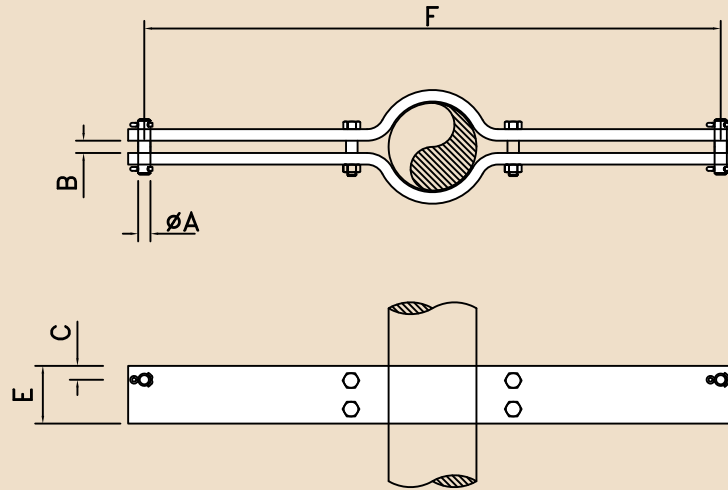


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA6-650-3-400	660.4	26	20	20	30	1 <sup>3</sup> / <sub>16</sub>	180	180	1000	1700	100.0	178.6	2420	2350							M12-M24
PA6-650-4-400	660.4	26	24	25	36	1 <sup>7</sup> / <sub>16</sub>	220	240	1050	1700	152.7	239.9	3310	3220							M12-M36
PA6-650-5-400	660.4	26	30	29	45	1 <sup>3</sup> / <sub>4</sub>	260	260	1150	1650	227.5	299.0	5160	5080							M12-M36
PA6-650-6-400	660.4	26	36	41	54	2 <sup>1</sup> / <sub>8</sub>	290	290	1200	1650	301.8	383.9	7580	7510							M20-M64
PA6-650-7-400	660.4	26	42	45	63	2 <sup>1</sup> / <sub>2</sub>	290	320	1200	1400	306.3	377.3	10930	10920							M30-M64
PA6-650-3-490	660.4	26	20	20	30	1 <sup>3</sup> / <sub>16</sub>	150	160	1000	1700	83.0	158.3	2190	2190	2110	1810	1360	1010	710		M12-M24
PA6-650-4-490	660.4	26	24	25	36	1 <sup>7</sup> / <sub>16</sub>	180	240	1050	1700	104.6	238.9	3410	3410	3290	2810	2090	1500	1070		M12-M36
PA6-650-5-490	660.4	26	30	29	45	1 <sup>3</sup> / <sub>4</sub>	180	240	1050	1650	126.6	274.0	4880	4880	4740	4130	3200	2360	1660		M12-M36
PA6-650-6-490	660.4	26	36	41	54	2 <sup>1</sup> / <sub>8</sub>	220	280	1150	1650	194.3	367.5	7510	7510	7360	6540	5310	4010	2800		M20-M64
PA6-650-7-490	660.4	26	42	45	63	2 <sup>1</sup> / <sub>2</sub>	250	310	1200	1400	261.8	362.3	10930	10930	10750	9550	7810	6020	4230		M30-M64
PA6-650-3-530	660.4	26	20	20	30	1 <sup>3</sup> / <sub>16</sub>	150	180	1000	1700	83.0	178.0	2490	2490	2400	2060	1550	1150	810		M12-M24
PA6-650-4-530	660.4	26	24	25	36	1 <sup>7</sup> / <sub>16</sub>	200	200	1000	1700	111.4	231.7	3660	3660	3660	3210	2340	1680	1200		M12-M36
PA6-650-5-530	660.4	26	30	29	45	1 <sup>3</sup> / <sub>4</sub>	200	270	1050	1650	140.4	307.9	5540	5540	5380	4700	3590	2650	1870		M12-M36
PA6-650-6-530	660.4	26	36	41	54	2 <sup>1</sup> / <sub>8</sub>	240	310	1150	1650	211.5	406.4	7620	7620	7620	7300	5850	4420	3080		M20-M64
PA6-650-7-530	660.4	26	42	45	63	2 <sup>1</sup> / <sub>2</sub>	280	320	1200	1300	292.6	353.7	10930	10930	10930	10830	8850	6820	4800		M30-M64
PA6-650-3-560	660.4	26	20	20	30	1 <sup>3</sup> / <sub>16</sub>	170	220	1000	1700	93.6	217.3	2460	2460	2460	2460	2050	1660	1320		M12-M24
PA6-650-4-560	660.4	26	24	25	36	1 <sup>7</sup> / <sub>16</sub>	180	240	1050	1700	124.5	277.6	3660	3660	3660	3660	3230	2630	2080		M12-M36
PA6-650-5-560	660.4	26	30	29	45	1 <sup>3</sup> / <sub>4</sub>	240	240	1050	1650	168.0	311.9	6090	6090	6090	5570	4640	3750	2980		M12-M36
PA6-650-6-560	660.4	26	36	41	54	2 <sup>1</sup> / <sub>8</sub>	270	320	1100	1500	228.8	389.1	7620	7620	7620	7620	7490	6100	4830		M20-M64
PA6-650-3-600	660.4	26	20	20	30	1 <sup>3</sup> / <sub>16</sub>	180	240	1000	1700	118.2	275.0	2620	2620	2620	2620	2620	2620	2080		M12-M24
PA6-650-4-600	660.4	26	24	25	36	1 <sup>7</sup> / <sub>16</sub>	190	270	1050	1700	151.5	354.8	3660	3660	3660	3660	3660	3660	3240		M12-M36
PA6-650-5-600	660.4	26	30	29	45	1 <sup>3</sup> / <sub>4</sub>	260	320	1100	1550	217.2	394.9	5580	5580	5580	5580	5580	5580	4590		M12-M36
PA6-650-6-600	660.4	26	36	41	54	2 <sup>1</sup> / <sub>8</sub>	320	320	1150	1150	317.6	617.6	7620	7620	7620	7620	7620	7620	7370		M20-M64
PA6-700-3-400	711.2	28	20	20	30	1 <sup>3</sup> / <sub>16</sub>	180	200	1050	1650	105.6	164.3	2120	2030							M12-M24
PA6-700-4-400	711.2	28	24	25	36	1 <sup>7</sup> / <sub>16</sub>	220	220	1100	1650	160.8	217.9	3370	3270							M12-M36
PA6-700-5-400	711.2	28	30	29	45	1 <sup>3</sup> / <sub>4</sub>	260	260	1200	1650	238.6	303.0	5470	5360							M12-M36
PA6-700-6-400	711.2	28	36	41	54	2 <sup>1</sup> / <sub>8</sub>	290	290	1250	1650	315.9	388.8	7620	7620							M20-M64
PA6-700-3-490	711.2	28	20	20	30	1 <sup>3</sup> / <sub>16</sub>	180	200	1050	1650	105.6	164.3	2180	2180	2060	1740	1240	890	640		M12-M24
PA6-700-4-490	711.2	28	24	25	36	1 <sup>7</sup> / <sub>16</sub>	180	210	1100	1650	110.1	207.1	3300	3300	3170	2680	1920	1370	980		M12-M36
PA6-700-5-490	711.2	28	30	29	45	1 <sup>3</sup> / <sub>4</sub>	180	230	1100	1650	133.2	266.2	4770	4770	4590	3910	2940	2160	1530		M12-M36
PA6-700-6-490	711.2	28	36	41	54	2 <sup>1</sup> / <sub>8</sub>	220	270	1200	1650	203.6	359.1	7620	7620	7480	6580	5150	3880	2710		M20-M64
PA6-700-7-490	711.2	28	42	45	63	2 <sup>1</sup> / <sub>2</sub>	260	320	1250	1450	286.2	390.9	10930	10930	10930	9690	7880	6050	4230		M30-M64
PA6-700-3-530	711.2	28	20	20	30	1 <sup>3</sup> / <sub>16</sub>	150	170	1050	1650	87.6	166.3	2610	2610	2510	2140	1560	1110	800		M12-M24
PA6-700-4-530	711.2	28	24	25	36	1 <sup>7</sup> / <sub>16</sub>	180	180	1100	1650	131.1	206.5	3660	3660	3640	3170	2480	1870	1300		M12-M36
PA6-700-5-530	711.2	28	30	29	45	1 <sup>3</sup> / <sub>4</sub>	210	260	1100	1650	155.0	300.6	5630	5630	5420	4630	3470	2550	1800		M12-M36
PA6-700-6-530	711.2	28	36	41	54	2 <sup>1</sup> / <sub>8</sub>	250	300	1200	1650	230.7	398.5	7620	7620	7620	7430	5920	4460	3120		M20-M64
PA6-700-7-530	711.2	28	42	45	63	2 <sup>1</sup> / <sub>2</sub>	290	320	1250	1350	318.4	370.7	10930	10930	10930	10810	8790	6750	4720		M30-M64
PA6-700-3-560	711.2	28	20	20	30	1 <sup>3</sup> / <sub>16</sub>	180	200	1050	1650	104.6	195.4	2420	2420	2420	2420	2050	1650	1310		M12-M24
PA6-700-4-560	711.2	28	24	25	36	1 <sup>7</sup> / <sub>16</sub>	190	220	1100	1650	137.6	252.0	3660	3660	3660	3660	3240	2640	2090		M12-M36
PA6-700-5-560	711.2	28	30	29	45	1 <sup>3</sup> / <sub>4</sub>	190	230	1150	1650	168.1	303.0	5990	5990	5990	5610	4650	3800	3010		M12-M36
PA6-700-6-560	711.2	28	36	41	54	2 <sup>1</sup> / <sub>8</sub>	230	320	1200	1550	241.5	404.6	7620	7620	7620	7620	7380	6050	4790		M20-M64
PA6-700-3-600	711.2	28	20	20	30	1 <sup>3</sup> / <sub>16</sub>	190	220	1050	1650	131.7	249.5	2560	2560	2560	2560	2560	2560	2090		M12-M24
PA6-700-4-600	711.2	28	24	25	36	1 <sup>7</sup> / <sub>16</sub>	200	240	1100	1650	168.0	312.0	3660	3660	3660	3660	3660	3660	3160		M12-M36
PA6-700-5-600	711.2	28	30	29	45	1 <sup>3</sup> / <sub>4</sub>	280	320	1150	1600	245.8	410.6	5550	5550	5550	5550	5550	5550	4580		M12-M36

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**

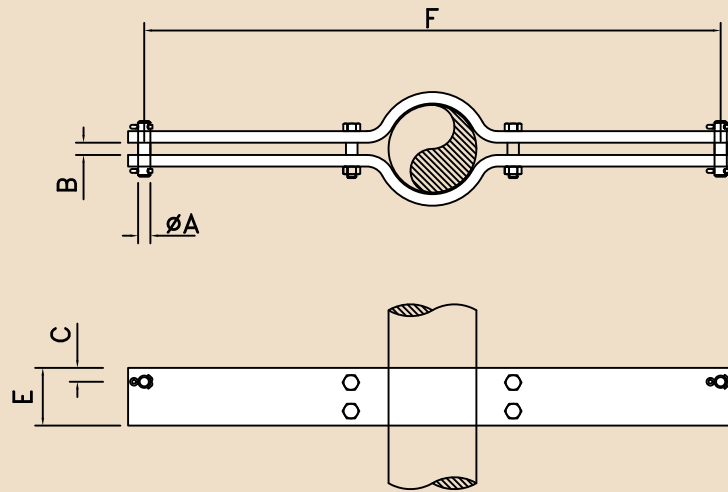


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A		B		C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes
	mm	in	mm	mm	mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600			
	PA6-750-4-400	762.0	30	24	25	36	1 7/16	220	220	1200	1600	174.2	215.7	3660	3650							
PA6-750-5-400	762.0	30	30	29	45	1 3/4	260	260	1250	1600	249.8	299.9	6020	5920							M12-M36	
PA6-750-6-400	762.0	30	36	41	54	2 1/8	290	290	1300	1600	330.3	385.0	7620	7620							M20-M64	
PA6-750-4-490	762.0	30	24	25	36	1 7/16	200	190	1150	1600	128.3	185.7	3290	3290	3170	2720	2040	1470	1050		M12-M36	
PA6-750-5-490	762.0	30	30	29	45	1 3/4	200	210	1150	1600	155.2	240.7	4900	4900	4770	4120	3120	2310	1630		M12-M36	
PA6-750-6-490	762.0	30	36	41	54	2 1/8	220	250	1250	1600	213.0	329.5	7530	7530	7320	6400	5050	3830	2670		M20-M64	
PA6-750-7-490	762.0	30	42	45	63	2 1/2	260	320	1300	1500	299.0	406.5	10930	10930	10810	9620	7890	6090	4290		M30-M64	
PA6-750-4-530	762.0	30	24	25	36	1 7/16	180	220	1150	1600	137.8	214.7	3660	3660	3660	3190	2420	1790	1260		M12-M36	
PA6-750-5-530	762.0	30	30	29	45	1 3/4	220	230	1150	1600	170.5	263.4	5420	5420	5270	4560	3460	2560	1800		M12-M36	
PA6-750-6-530	762.0	30	36	41	54	2 1/8	250	280	1250	1600	241.5	368.5	7620	7620	7620	7350	5810	4400	3060		M20-M64	
PA6-750-7-530	762.0	30	42	45	63	2 1/2	290	320	1300	1400	332.6	386.4	10930	10930	10930	10720	8790	6780	4780		M30-M64	
PA6-750-4-560	762.0	30	24	25	36	1 7/16	200	210	1150	1650	152.9	243.8	3660	3660	3660	3660	3280	2660	2110		M12-M36	
PA6-750-5-560	762.0	30	30	29	45	1 3/4	200	280	1200	1600	185.4	320.2	5840	5840	5840	5710	4660	3800	3010		M12-M36	
PA6-750-6-560	762.0	30	36	41	54	2 1/8	230	320	1250	1600	252.9	420.5	7620	7620	7620	7620	7370	6060	4820		M20-M64	
PA6-750-4-600	762.0	30	24	25	36	1 7/16	220	230	1150	1650	194.1	303.1	3660	3660	3660	3660	3660	3660	3200		M12-M36	
PA6-750-5-600	762.0	30	30	29	45	1 3/4	230	310	1200	1600	242.0	403.3	6090	6090	6090	6090	6090	5860	4650		M12-M36	
PA6-800-4-400	812.8	32	24	25	36	1 7/16	260	260	1250	1600	250.7	300.7	3660	3660							M12-M36	
PA6-800-5-400	812.8	32	30	29	45	1 3/4	260	260	1300	1600	261.1	304.0	6090	6090							M12-M36	
PA6-800-6-400	812.8	32	36	41	54	2 1/8	290	290	1350	1600	344.5	390.1	7620	7620							M20-M64	
PA6-800-4-490	812.8	32	24	25	36	1 7/16	180	190	1200	1600	144.5	188.3	3400	3400	3290	2830	2170	1610	1130		M12-M36	
PA6-800-5-490	812.8	32	30	29	45	1 3/4	210	220	1250	1600	175.5	256.6	4910	4910	4750	4090	3130	2330	1640		M12-M36	
PA6-800-6-490	812.8	32	36	41	54	2 1/8	240	240	1300	1600	242.4	320.8	7560	7560	7430	6620	5280	4020	2790		M20-M64	
PA6-800-7-490	812.8	32	42	45	63	2 1/2	270	320	1350	1550	323.6	422.4	10880	10880	10690	9560	7900	6130	4350		M30-M64	
PA6-800-4-530	812.8	32	24	25	36	1 7/16	180	210	1200	1600	144.5	207.9	3660	3660	3660	3160	2420	1800	1270		M12-M36	
PA6-800-5-530	812.8	32	30	29	45	1 3/4	240	220	1250	1600	200.2	256.6	5350	5350	5210	4570	3610	2690	1890		M12-M36	
PA6-800-6-530	812.8	32	36	41	54	2 1/8	270	270	1300	1600	272.2	360.3	7620	7620	7620	7520	5990	4560	3170		M20-M64	
PA6-800-7-530	812.8	32	42	45	63	2 1/2	290	310	1350	1400	347.0	380.2	10930	10930	10930	10760	8890	6900	4900		M30-M64	
PA6-800-4-560	812.8	32	24	25	36	1 7/16	210	190	1200	1600	168.3	218.6	3660	3660	3660	3660	3220	2630	2080		M12-M36	
PA6-800-5-560	812.8	32	30	29	45	1 3/4	210	270	1250	1600	203.7	313.1	5720	5720	5720	5680	4660	3810	3010		M12-M36	
PA6-800-6-560	812.8	32	36	41	54	2 1/8	240	310	1300	1600	275.5	413.0	7620	7620	7620	7620	7420	6110	4870		M20-M64	
PA6-800-4-600	812.8	32	24	25	36	1 7/16	230	280	1200	1600	212.9	320.5	3660	3660	3660	3660	3660	3660	3190		M12-M36	
PA6-800-5-600	812.8	32	30	29	45	1 3/4	230	300	1250	1600	253.3	395.6	6090	6090	6090	6090	6090	5720	4560		M12-M36	

# PA6 PRESSED RISER CLAMP SIX BOLT TYPE

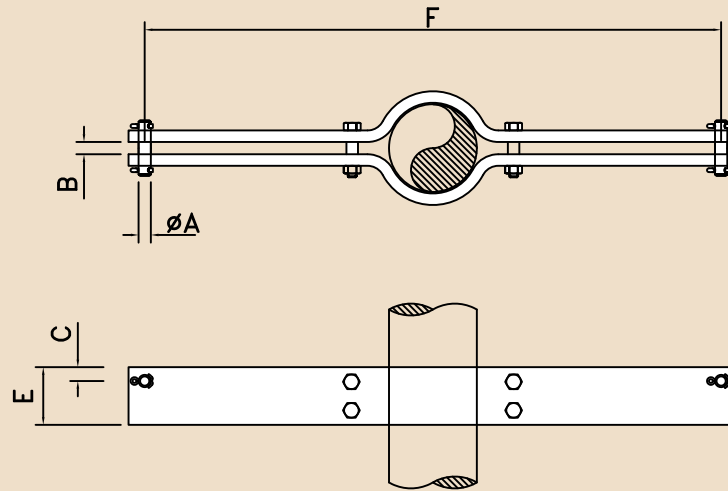


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes		
	mm	in			mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600			
PA6-850-4-400	863.6	34	24	25	36	17/16	260	260	1350	1550	269.0	297.6	3660	3660								M12-M36
PA6-850-5-400	863.6	34	30	29	45	13/4	260	260	1350	1550	272.1	300.7	6090	6090								M12-M36
PA6-850-6-400	863.6	34	36	41	54	21/8	290	290	1400	1550	358.5	385.9	7620	7620								M20-M64
PA6-850-4-490	863.6	34	24	25	36	17/16	180	180	1250	1550	151.2	176.6	3490	3490	3370	2890	2200	1630	1150			M12-M36
PA6-850-5-490	863.6	34	30	29	45	13/4	220	240	1300	1550	191.8	237.4	4790	4790	4620	3960	3020	2240	1570			M12-M36
PA6-850-6-490	863.6	34	36	41	54	21/8	250	280	1350	1550	263.1	324.9	7580	7580	7370	6450	5110	3880	2700			M20-M64
PA6-850-7-490	863.6	34	42	45	63	21/2	280	310	1400	1550	348.9	414.7	10900	10900	10700	9530	7840	6060	4280			M30-M64
PA6-850-4-530	863.6	34	24	25	36	17/16	180	200	1250	1550	151.2	196.0	3660	3660	3660	3220	2450	1820	1280			M12-M36
PA6-850-5-530	863.6	34	30	29	45	13/4	220	220	1300	1550	223.6	253.8	5820	5820	5670	4960	3930	2980	2070			M12-M36
PA6-850-6-530	863.6	34	36	41	54	21/8	280	260	1350	1550	294.1	344.9	7620	7620	7620	7330	5800	4400	3060			M20-M64
PA6-850-7-530	863.6	34	42	45	63	21/2	310	320	1400	1450	385.5	407.8	10930	10930	10930	10870	8940	6910	4880			M30-M64
PA6-850-4-560	863.6	34	24	25	36	17/16	220	240	1250	1550	184.3	234.8	3660	3660	3660	3660	3200	2590	2050			M12-M36
PA6-850-5-560	863.6	34	30	29	45	13/4	220	250	1300	1550	222.6	286.9	5620	5620	5620	5610	4580	3740	2960			M12-M36
PA6-850-6-560	863.6	34	36	41	54	21/8	260	290	1350	1550	310.7	382.4	7620	7620	7620	7620	7500	6170	4910			M20-M64
PA6-850-4-600	863.6	34	24	25	36	17/16	240	260	1250	1550	232.4	294.6	3660	3660	3660	3660	3660	3660	3180			M12-M36
PA6-850-5-600	863.6	34	30	29	45	13/4	250	280	1300	1550	287.3	365.5	6090	6090	6090	6090	6090	5850	4660			M12-M36
PA6-900-4-400	914.4	36	24	25	36	17/16	260	260	1400	1550	280.3	301.7	3660	3660								M12-M36
PA6-900-5-400	914.4	36	30	29	45	13/4	260	260	1400	1550	283.4	304.9	6090	6090								M12-M36
PA6-900-6-400	914.4	36	36	41	54	21/8	290	290	1450	1500	372.9	382.0	7620	7620								M20-M64
PA6-900-4-490	914.4	36	24	25	36	17/16	180	180	1300	1550	157.9	179.1	3630	3630	3510	3030	2330	1740	1220			M12-M36
PA6-900-5-490	914.4	36	30	29	45	13/4	230	230	1350	1500	209.0	225.3	4800	4800	4640	4000	3080	2290	1610			M12-M36
PA6-900-6-490	914.4	36	36	41	54	21/8	260	270	1400	1500	284.6	310.2	7490	7490	7300	6420	5130	3910	2720			M20-M64
PA6-900-7-490	914.4	36	42	45	63	21/2	290	290	1450	1500	375.5	384.6	10890	10890	10710	9590	7950	6170	4390			M30-M64
PA6-900-4-530	914.4	36	24	25	36	17/16	190	190	1300	1550	166.5	188.9	3660	3660	3660	3220	2470	1840	1290			M12-M36
PA6-900-5-530	914.4	36	30	29	45	13/4	220	220	1400	1550	239.2	257.3	6060	6060	5910	5190	4150	3160	2200			M12-M36
PA6-900-6-530	914.4	36	36	41	54	21/8	260	260	1450	1500	333.3	341.4	7620	7620	7620	7620	7020	5450	3880			M20-M64
PA6-900-4-560	914.4	36	24	25	36	17/16	230	230	1300	1550	201.2	228.3	3660	3660	3660	3660	3220	2610	2070			M12-M36
PA6-900-5-560	914.4	36	30	29	45	13/4	230	240	1350	1550	242.6	279.4	5530	5530	5530	5530	4590	3760	2970			M12-M36
PA6-900-6-560	914.4	36	36	41	54	21/8	270	270	1400	1500	335.8	352.8	7620	7620	7620	7620	7500	6180	4930			M20-M64
PA6-900-4-600	914.4	36	24	25	36	17/16	250	250	1300	1550	252.9	287.3	3660	3660	3660	3660	3660	3660	3660	3210		M12-M36
PA6-900-5-600	914.4	36	30	29	45	13/4	260	260	1400	1550	319.8	344.3	6090	6090	6090	6090	6090	5770	4610			M12-M36

**PA6 PRESSED RISER CLAMP SIX BOLT TYPE**

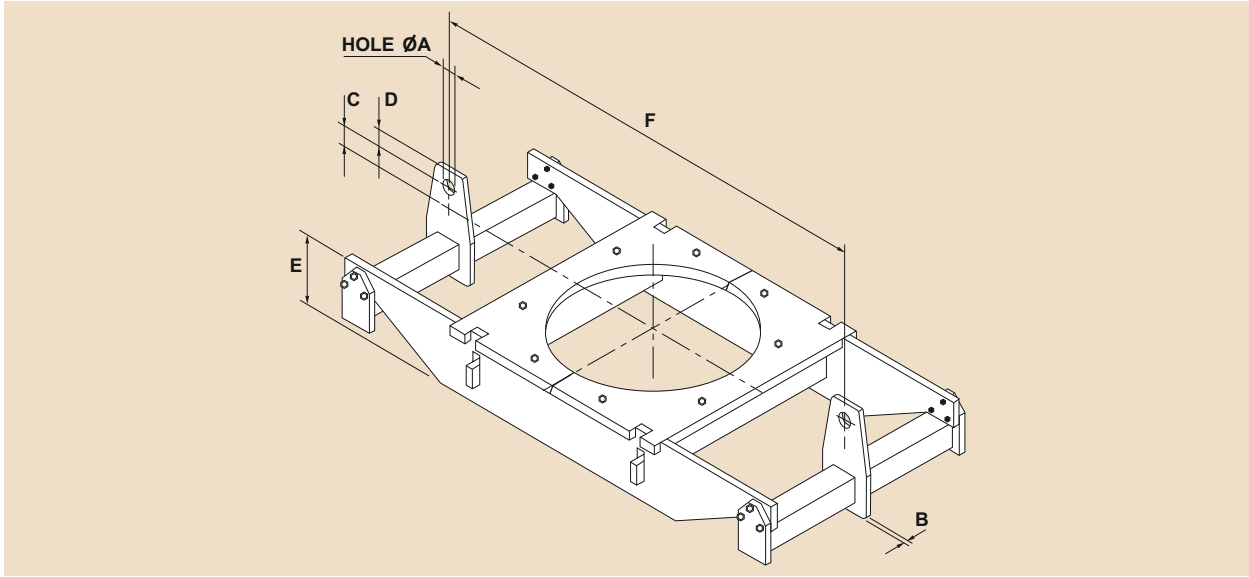


Material: Carbon Steel to 400°C Alloy Steel above 400°C

Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes		
	mm	in			mm	mm	mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560		580	600
PA6-950-4-400	965.2	38	24	25	36	1 7/16	260	260	1450	1500	291.4	298.6	3660	3660								M12-M36
PA6-950-5-400	965.2	38	30	29	45	1 3/4	290	290	1500	1500	383.9	383.9	6090	6090								M12-M36
PA6-950-6-400	965.2	38	36	41	54	2 1/8	290	290	1500	1500	387.2	387.2	7620	7620								M20-M64
PA6-950-4-490	965.2	38	24	25	36	1 7/16	180	180	1350	1500	164.6	177.3	3470	3470	3360	2910	2260	1700	1190			M12-M36
PA6-950-5-490	965.2	38	30	29	45	1 3/4	240	240	1400	1500	226.9	238.3	4760	4760	4610	4000	3110	2330	1630			M12-M36
PA6-950-6-490	965.2	38	36	41	54	2 1/8	280	280	1450	1500	318.3	326.0	7620	7620	7490	6620	5350	4100	2850			M20-M64
PA6-950-7-490	965.2	38	42	45	63	2 1/2	310	310	1500	1500	416.1	416.1	10930	10930	10910	9810	8220	6410	4610			M30-M64
PA6-950-4-530	965.2	38	24	25	36	1 7/16	200	200	1350	1500	182.6	196.8	3660	3660	3660	3270	2540	1910	1330			M12-M36
PA6-950-5-530	965.2	38	30	29	45	1 3/4	220	220	1450	1500	248.8	254.8	5800	5800	5670	5010	4050	3100	2160			M12-M36
PA6-950-6-530	965.2	38	36	41	54	2 1/8	260	260	1500	1500	346.0	346.0	7620	7620	7620	7620	6760	5270	3790			M20-M64
PA6-950-4-560	965.2	38	24	25	36	1 7/16	240	240	1350	1500	218.8	235.7	3660	3660	3660	3660	3250	2640	2090			M12-M36
PA6-950-5-560	965.2	38	30	29	45	1 3/4	240	240	1400	1500	263.4	276.6	5440	5440	5440	5440	4610	3780	2980			M12-M36
PA6-950-6-560	965.2	38	36	41	54	2 1/8	280	280	1500	1500	370.6	370.6	7620	7620	7620	7620	7480	6180	4950			M20-M64
PA6-950-4-600	965.2	38	24	25	36	1 7/16	260	260	1400	1500	282.0	296.3	3660	3660	3660	3660	3660	3660	3230			M12-M36
PA6-950-5-600	965.2	38	30	29	45	1 3/4	270	270	1450	1500	345.3	353.3	6090	6090	6090	6090	6090	5840	4680			M12-M36
PA6-1000-4-400	1016.0	40	24	25	36	1 7/16	260	260	1500	1500	302.6	302.6	3660	3660								M12-M36
PA6-1000-4-490	1016.0	40	24	25	36	1 7/16	180	180	1400	1500	171.2	179.7	3300	3300	3190	2760	2130	1590	1110			M12-M36
PA6-1000-4-530	1016.0	40	24	25	36	1 7/16	210	210	1400	1500	199.4	209.3	3660	3660	3660	3260	2510	1880	1320			M12-M36
PA6-1000-4-560	1016.0	40	24	25	36	1 7/16	190	190	1450	1500	214.7	220.0	3660	3660	3660	3660	3350	2740	2160			M12-M36
PA6-1000-5-560	1016.0	40	30	29	45	1 3/4	260	260	1450	1450	296.3	296.3	5590	5590	5590	5590	4740	3880	3060			M12-M36
PA6-1000-4-600	1016.0	40	24	25	36	1 7/16	270	270	1450	1500	304.3	311.7	3660	3660	3660	3660	3660	3660	3170			M12-M36
PA6-1000-5-600	1016.0	40	30	29	45	1 3/4	280	280	1500	1500	371.7	371.7	6030	6030	6030	6030	6030	5720	4570			M12-M36

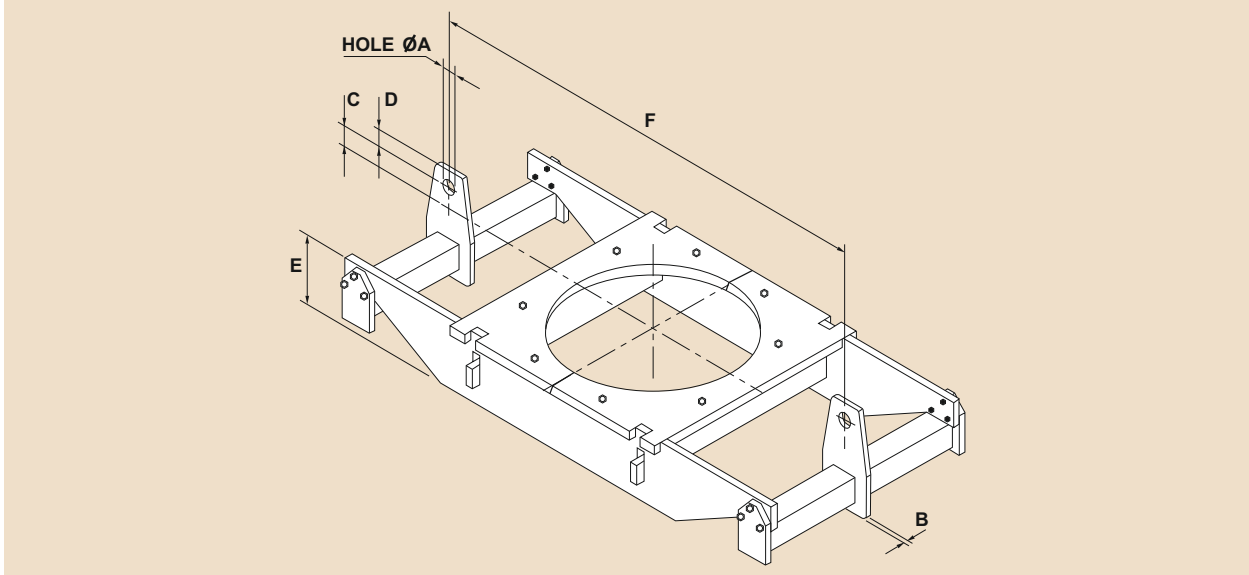
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D	E		F		Weight kgf		Load Capacity (kgf) at Temperature C								Compatible with Rod Sizes					
	mm	in			mm	mm		mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560		580	600			
PA7-250-0-400	273.0	10.75	14	6	-78	-3 <sup>1</sup> / <sub>16</sub>	20	158	158	500	2000	30.0	53.4	460	460												M8-M12
PA7-250-1-400	273.0	10.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.2	63.2	720	720												M8-M16
PA7-250-2-400	273.0	10.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.3	71.4	1060	1060												M8-M16
PA7-250-3-400	273.0	10.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	160	500	2000	30.6	108.5	2020	2020												M8-M24
PA7-250-4-400	273.0	10.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	158	190	500	2000	30.8	124.9	3160	3160												M8-M30
PA7-250-5-400	273.0	10.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	200	500	2000	35.5	167.0	4560	4560												M12-M36
PA7-250-6-400	273.0	10.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	250	600	2000	53.3	210.5	7300	7300												M20-M48
PA7-250-7-400	273.0	10.75	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	188	280	600	2000	71.5	281.3	10680	10680												M24-M56
PA7-250-8-400	273.0	10.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	300	700	2000	118.6	363.5	14800	14800												M36-M64
PA7-250-0-490	273.0	10.75	14	6	-78	-3 <sup>1</sup> / <sub>16</sub>	20	158	158	500	2000	30.0	53.4	460	460	460	300	180	130	110							M8-M12
PA7-250-1-490	273.0	10.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.2	63.2	720	720	720	470	280	200	170							M8-M16
PA7-250-2-490	273.0	10.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.3	71.4	1060	1060	1060	690	410	300	250							M8-M16
PA7-250-3-490	273.0	10.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	158	500	2000	30.6	103.0	2020	2020	2020	1310	790	570	480							M8-M24
PA7-250-4-490	273.0	10.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	158	190	500	2000	30.8	124.9	3160	3160	3160	2050	1230	880	760							M8-M30
PA7-250-5-490	273.0	10.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	200	500	2000	35.5	167.0	4560	4560	4560	2960	1780	1280	1090							M12-M36
PA7-250-6-490	273.0	10.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	250	600	2000	53.3	210.5	7300	7300	7300	4750	2850	2040	1750							M20-M48
PA7-250-7-490	273.0	10.75	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	188	270	600	2000	71.5	272.9	10680	10680	10680	6940	4170	2990	2560							M24-M56
PA7-250-8-490	273.0	10.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	300	700	2000	118.6	363.5	14800	14800	14800	9620	5770	4140	3550							M36-M64
PA7-250-0-530	273.0	10.75	14	6	-78	-3 <sup>1</sup> / <sub>16</sub>	20	158	158	500	2000	30.0	56.7	460	460	460	460	280	200	170							M8-M12
PA7-250-1-530	273.0	10.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.2	71.3	720	720	720	720	430	320	260							M8-M16
PA7-250-2-530	273.0	10.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.3	79.5	1060	1060	1060	1060	640	470	380							M8-M16
PA7-250-3-530	273.0	10.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	170	500	2000	30.6	113.8	2020	2020	2020	2020	1210	890	730							M8-M24
PA7-250-4-530	273.0	10.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	158	180	500	2000	30.8	148.6	3160	3160	3160	3160	1900	1390	1140							M8-M30
PA7-250-5-530	273.0	10.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	220	600	2000	45.0	180.8	4560	4560	4560	4560	2740	2010	1640							M12-M36
PA7-250-6-530	273.0	10.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	240	600	2000	67.3	243.5	7300	7300	7300	7300	4380	3210	2630							M20-M48
PA7-250-7-530	273.0	10.75	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	188	300	600	2000	73.6	298.0	10680	10680	10680	10680	6410	4700	3840							M24-M56
PA7-250-8-530	273.0	10.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	320	700	2000	121.8	383.2	14800	14800	14800	14800	8880	6510	5330							M36-M64
PA7-250-0-560	273.0	10.75	14	6	-78	-3 <sup>1</sup> / <sub>16</sub>	20	158	158	500	2000	30.0	67.2	460	460	460	460	460	360	270							M8-M12
PA7-250-1-560	273.0	10.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.2	75.4	720	720	720	720	720	560	420							M8-M16
PA7-250-2-560	273.0	10.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.3	97.2	1060	1060	1060	1060	1060	830	610							M8-M16
PA7-250-3-560	273.0	10.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	190	500	2000	30.6	124.7	2020	2020	2020	2020	2020	1580	1170							M8-M24
PA7-250-4-560	273.0	10.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	158	210	500	2000	34.6	169.0	3160	3160	3160	3160	3160	2460	1830							M8-M30
PA7-250-5-560	273.0	10.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	240	600	2000	46.6	194.5	4560	4560	4560	4560	4560	3560	2640							M12-M36
PA7-250-6-560	273.0	10.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	280	600	2000	69.6	279.4	7300	7300	7300	7300	5690	4230								M20-M48
PA7-250-7-560	273.0	10.75	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	200	300	600	2000	83.9	346.6	10680	10680	10680	10680	10680	8330	6190							M24-M56
PA7-250-8-560	273.0	10.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	230	350	700	2000	131.2	412.6	14800	14800	14800	14800	14800	11540	8580							M36-M64
PA7-250-0-600	273.0	10.75	14	6	-78	-3 <sup>1</sup> / <sub>16</sub>	20	158	158	500	2000	30.0	75.3	460	460	460	460	460	460	460							M8-M12
PA7-250-1-600	273.0	10.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	500	2000	30.2	102.5	720	720	720	720	720	720	720							M8-M16
PA7-250-2-600	273.0	10.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	180	500	2000	30.3	119.0	1060	1060	1060	1060	1060	1060	1060							M8-M16
PA7-250-3-600	273.0	10.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	210	500	2000	34.5	168.8	2020	2020	2020	2020	2020	2020	2020							M8-M24
PA7-250-4-600	273.0	10.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	158	250	500	2000	41.0	196.3	3160	3160	3160	3160	3160	3160	3160							M8-M30
PA7-250-5-600	273.0	10.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	270	600	2000	62.0	260.2	4560	4560	4560	4560	4560	4560	4560							M12-M36
PA7-250-6-600	273.0	10.75	52	16	-3	1 <sup>1</sup> / <sub>8</sub>	85	188	310	600	2000	94.1	354.2	7300	7300	7300	7300	7300	7300	7300							M20-M48
PA7-250-7-600	273.0	10.75	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	220	340	600	2000	111.1	441.6	10680	10680	10680	10680	10680	10680	10680							M24-M56
PA7-250-8-600	273.0	10.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	260	400	700	2000	169.7	532.9	14800	14800	14800	14800	14800	14800	14800							M36-M64

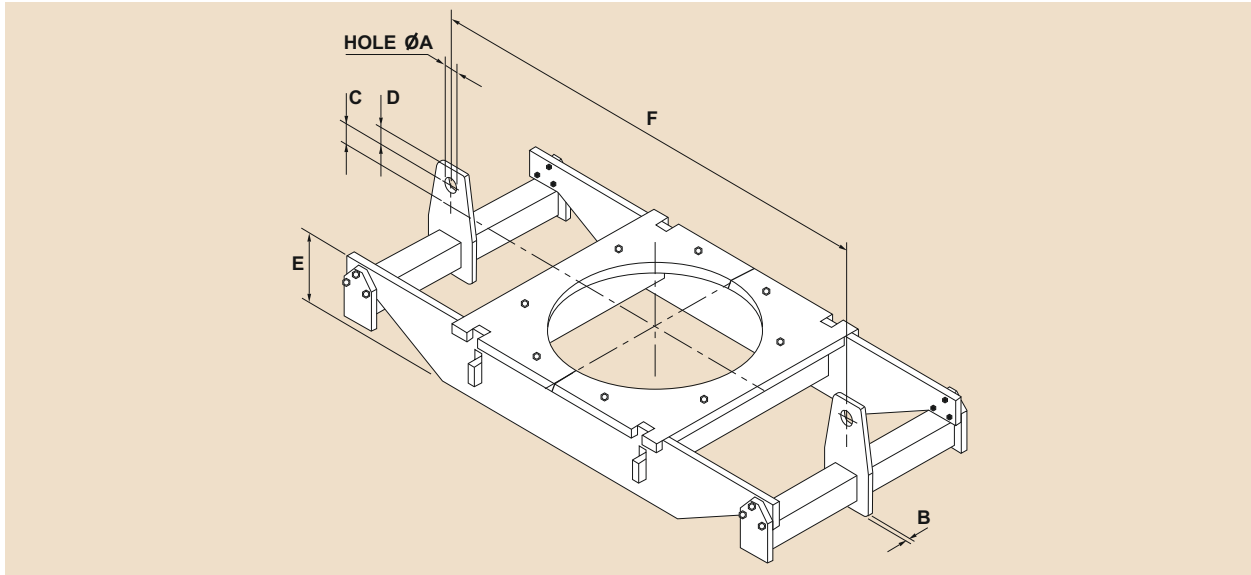
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D	E		F		Weight kgf		Load Capacity (kgf) at Temperature C								Compatible with Rod Sizes						
	mm	in			mm	in		mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580		600					
PA7-300-1-400	323.9	12.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.8	60.9	720	720													M8-M16
PA7-300-2-400	323.9	12.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.9	75.8	1060	1060													M8-M16
PA7-300-3-400	323.9	12.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	158	600	2000	36.3	108.0	2020	2020													M8-M24
PA7-300-4-400	323.9	12.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	600	2000	39.8	134.3	3160	3160													M8-M30
PA7-300-5-400	323.9	12.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	200	600	2000	49.3	176.5	4560	4560													M12-M36
PA7-300-6-400	323.9	12.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	250	600	2000	65.8	226.0	7300	7300													M20-M48
PA7-300-7-400	323.9	12.75	60	20	12	1/2	100	208	280	700	2000	99.4	310.1	10680	10680													M24-M56
PA7-300-8-400	323.9	12.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	300	700	2000	115.1	381.3	14800	14800													M36-M64
PA7-300-9-400	323.9	12.75	76	25	11	7/16	130	244	350	700	2000	151.3	444.5	19300	19300													M36-M72
PA7-300-1-490	323.9	12.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.8	60.9	720	720	720	470	280	200	170								M8-M16
PA7-300-2-490	323.9	12.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.9	75.8	1060	1060	1060	690	410	300	250								M8-M16
PA7-300-3-490	323.9	12.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	158	600	2000	36.3	108.0	2020	2020	2020	1310	790	570	480								M8-M24
PA7-300-4-490	323.9	12.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	600	2000	39.8	134.3	3160	3160	3160	2050	1230	880	760								M8-M30
PA7-300-5-490	323.9	12.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	200	600	2000	49.3	176.5	4560	4560	4560	2960	1780	1280	1090								M12-M36
PA7-300-6-490	323.9	12.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	250	600	2000	65.8	226.0	7300	7300	7300	4750	2850	2040	1750								M20-M48
PA7-300-7-490	323.9	12.75	60	20	12	1/2	100	208	270	700	2000	99.4	301.4	10680	10680	10680	6940	4170	2990	2560								M24-M56
PA7-300-8-490	323.9	12.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	300	700	2000	115.1	381.3	14800	14800	14800	9620	5770	4140	3550								M36-M64
PA7-300-9-490	323.9	12.75	76	25	11	7/16	130	244	340	700	2000	151.3	434.7	19300	19300	19300	12550	7530	5400	4630								M36-M72
PA7-300-1-530	323.9	12.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.8	71.7	720	720	720	720	430	320	260								M8-M16
PA7-300-2-530	323.9	12.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.9	84.1	1060	1060	1060	1060	640	470	380								M8-M16
PA7-300-3-530	323.9	12.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	170	600	2000	36.3	119.1	2020	2020	2020	2020	1210	890	730								M8-M24
PA7-300-4-530	323.9	12.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	200	600	2000	44.3	139.9	3160	3160	3160	3160	1900	1390	1140								M8-M30
PA7-300-5-530	323.9	12.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	220	600	2000	50.9	190.5	4560	4560	4560	4560	2740	2010	1640								M12-M36
PA7-300-6-530	323.9	12.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	250	700	2000	84.7	268.7	7300	7300	7300	7300	4380	3210	2630								M20-M48
PA7-300-7-530	323.9	12.75	60	20	12	1/2	100	208	300	700	2000	109.3	332.7	10680	10680	10680	10680	6410	4700	3840								M24-M56
PA7-300-8-530	323.9	12.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	320	700	2000	136.5	401.3	14800	14800	14800	14800	8880	6510	5330								M36-M64
PA7-300-9-530	323.9	12.75	76	25	11	7/16	130	244	340	700	2000	157.8	495.6	19300	19300	19300	19300	11580	8490	6950								M36-M72
PA7-300-1-560	323.9	12.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.8	79.9	720	720	720	720	720	560	420								M8-M16
PA7-300-2-560	323.9	12.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.9	102.2	1060	1060	1060	1060	1060	830	610								M8-M16
PA7-300-3-560	323.9	12.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	190	600	2000	36.3	130.1	2020	2020	2020	2020	2020	1580	1170								M8-M24
PA7-300-4-560	323.9	12.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	210	600	2000	48.8	182.9	3160	3160	3160	3160	3160	2460	1830								M8-M30
PA7-300-5-560	323.9	12.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	250	600	2000	58.9	216.4	4560	4560	4560	4560	4560	3560	2640								M12-M36
PA7-300-6-560	323.9	12.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	280	700	2000	94.5	294.2	7300	7300	7300	7300	7300	5690	4230								M20-M48
PA7-300-7-560	323.9	12.75	60	20	12	1/2	100	208	300	700	2000	130.0	378.2	10680	10680	10680	10680	8330	6190									M24-M56
PA7-300-8-560	323.9	12.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	230	330	700	2000	151.3	474.7	14800	14800	14800	14800	11540	8580									M36-M64
PA7-300-9-560	323.9	12.75	76	25	11	7/16	130	260	370	800	2000	210.3	529.8	19300	19300	19300	19300	19300	15050	11190								M36-M72
PA7-300-1-600	323.9	12.75	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	35.8	107.5	720	720	720	720	720	720	720								M8-M16
PA7-300-2-600	323.9	12.75	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	170	600	2000	35.9	118.7	1060	1060	1060	1060	1060	1060	1060								M8-M16
PA7-300-3-600	323.9	12.75	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	210	600	2000	45.2	178.1	2020	2020	2020	2020	2020	2020	2020								M8-M24
PA7-300-4-600	323.9	12.75	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	230	600	2000	65.8	240.5	3160	3160	3160	3160	3160	3160	3160								M8-M30
PA7-300-5-600	323.9	12.75	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	270	600	2000	73.0	274.6	4560	4560	4560	4560	4560	4560	4560								M12-M36
PA7-300-6-600	323.9	12.75	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	200	310	700	2000	119.5	371.4	7300	7300	7300	7300	7300	7300	7300								M20-M48
PA7-300-7-600	323.9	12.75	60	20	12	1/2	100	240	350	700	2000	151.5	494.6	10680	10680	10680	10680	10680	10680									M24-M56
PA7-300-8-600	323.9	12.75	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	280	400	800	2000	211.0	561.3	14800	14800	14800	14800	14800	14800									M36-M64
PA7-300-9-600	323.9	12.75	76	25	11	7/16	130	290	420	800	2000	251.9	675.6	19300	19300	19300	19300	19300	19300									M36-M72

**PA7 RISER CLAMP** FLAT PLATE TYPE

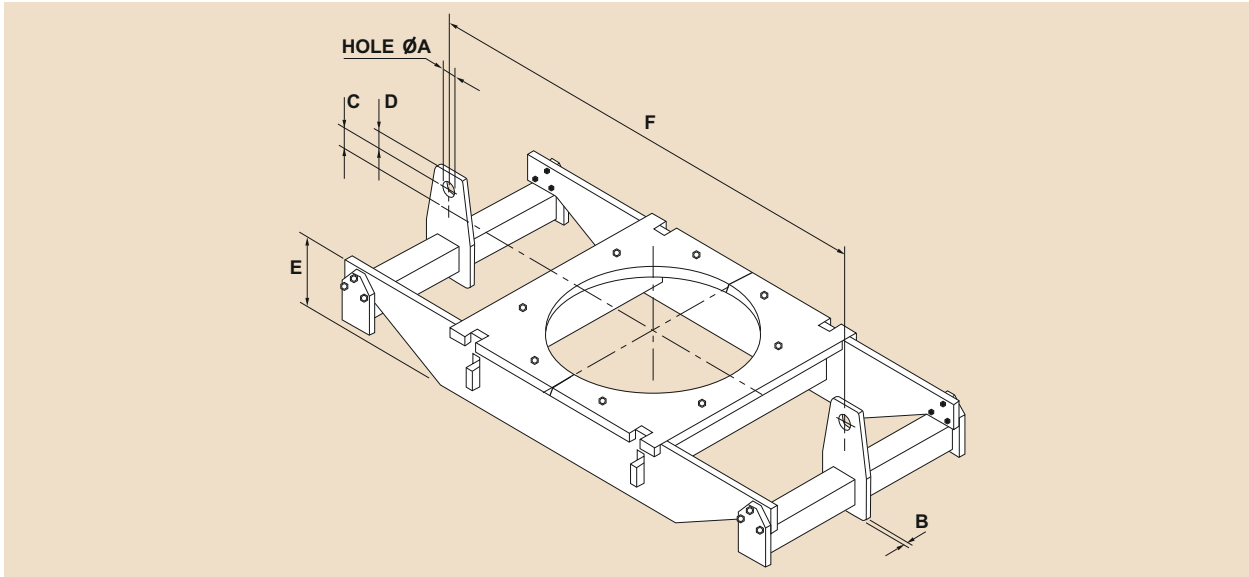


Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D	E		F		Weight kgf		Load Capacity (kgf) at Temperature C								Compatible with Rod Sizes						
	mm	in			mm	in		mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580		600					
Pa7-350-1-400	355.6	14	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.5	63.7	720	720												M8-M16	
PA7-350-2-400	355.6	14	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.6	78.8	1060	1060												M8-M16	
PA7-350-3-400	355.6	14	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	158	600	2000	39.0	111.3	2020	2020												M8-M24	
PA7-350-4-400	355.6	14	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	600	2000	42.7	138.0	3160	3160												M8-M30	
PA7-350-5-400	355.6	14	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	200	700	2000	56.9	181.2	4560	4560												M12-M36	
PA7-350-6-400	355.6	14	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	250	700	2000	84.7	232.1	7300	7300												M20-M48	
PA7-350-7-400	355.6	14	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	208	280	700	2000	110.7	323.9	10680	10680												M24-M56	
PA7-350-8-400	355.6	14	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	300	800	2000	155.6	390.2	14800	14800												M36-M64	
PA7-350-9-400	355.6	14	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	340	800	2000	184.9	460.0	19300	19300												M36-M72	
PA7-350-10-400	355.6	14	86	30	26	1	140	264	380	800	2000	233.8	581.0	26700	26700												M36-M80	
PA7-350-1-490	355.6	14	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.5	63.7	720	720	720	470	280	200	170							M8-M16	
PA7-350-2-490	355.6	14	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.6	78.8	1060	1060	1060	690	410	300	250							M8-M16	
PA7-350-3-490	355.6	14	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	158	600	2000	39.0	111.3	2020	2020	2020	1310	790	570	480							M8-M24	
PA7-350-4-490	355.6	14	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	180	600	2000	42.7	132.5	3160	3160	3160	2050	1230	880	760							M8-M30	
PA7-350-5-490	355.6	14	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	200	700	2000	56.9	181.2	4560	4560	4560	2960	1780	1280	1090							M12-M36	
PA7-350-6-490	355.6	14	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	250	700	2000	84.7	232.1	7300	7300	7300	4750	2850	2040	1750							M20-M48	
PA7-350-7-490	355.6	14	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	208	280	700	2000	110.7	323.9	10680	10680	10680	6940	4170	2990	2560							M24-M56	
PA7-350-8-490	355.6	14	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	300	800	2000	149.5	390.2	14800	14800	14800	9620	5770	4140	3550							M36-M64	
PA7-350-9-490	355.6	14	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	340	800	2000	184.9	460.0	19300	19300	19300	12550	7530	5400	4630							M36-M72	
PA7-350-10-490	355.6	14	86	30	26	1	140	264	380	800	2000	229.5	581.0	26700	26700	26700	17360	10410	7480	6410							M36-M80	
PA7-350-1-530	355.6	14	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.5	74.6	720	720	720	430	320	260								M8-M16	
PA7-350-2-530	355.6	14	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.6	83.0	1060	1060	1060	1060	640	470	380							M8-M16	
PA7-350-3-530	355.6	14	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	160	600	2000	39.0	117.0	2020	2020	2020	2020	1210	890	730							M8-M24	
PA7-350-4-530	355.6	14	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	200	700	2000	54.6	147.1	3160	3160	3160	3160	1900	1390	1140							M8-M30	
PA7-350-5-530	355.6	14	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	220	700	2000	66.1	201.4	4560	4560	4560	4560	2740	2010	1640							M12-M36	
PA7-350-6-530	355.6	14	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	250	700	2000	87.1	275.3	7300	7300	7300	7300	4380	3210	2630							M20-M48	
PA7-350-7-530	355.6	14	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	208	300	700	2000	116.0	341.2	10680	10680	10680	10680	6410	4700	3840							M24-M56	
PA7-350-8-530	355.6	14	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	220	320	800	2000	162.8	416.9	14800	14800	14800	14800	8880	6510	5330							M36-M64	
PA7-350-9-530	355.6	14	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	340	800	2000	198.4	523.3	19300	19300	19300	19300	11580	8490	6950							M36-M72	
PA7-350-10-530	355.6	14	86	30	26	1	140	270	400	800	2000	249.2	604.4	26700	26700	26700	26700	16020	11750	9610							M36-M80	
PA7-350-1-560	355.6	14	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.5	82.9	720	720	720	420	320	260								M8-M16	
PA7-350-2-560	355.6	14	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.6	105.5	1060	1060	1060	1060	1060	830	610							M8-M16	
PA7-350-3-560	355.6	14	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	190	600	2000	43.6	133.6	2020	2020	2020	2020	2020	1580	1170							M8-M24	
PA7-350-4-560	355.6	14	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	200	700	2000	63.8	180.8	3160	3160	3160	3160	3160	2460	1830							M8-M30	
PA7-350-5-560	355.6	14	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	168	250	700	2000	76.7	222.3	4560	4560	4560	4560	4560	3560	2640							M12-M36	
PA7-350-6-560	355.6	14	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	280	700	2000	100.7	307.6	7300	7300	7300	7300	7300	5690	4230							M20-M48	
PA7-350-7-560	355.6	14	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	210	300	800	2000	155.9	387.1	10680	10680	10680	10680	10680	8330	6190							M24-M56	
PA7-350-8-560	355.6	14	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	250	350	800	2000	179.6	447.0	14800	14800	14800	14800	14800	11540	8580							M36-M64	
PA7-350-9-560	355.6	14	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	370	800	2000	229.7	565.0	19300	19300	19300	19300	19300	15050	11190							M36-M72	
PA7-350-10-560	355.6	14	86	30	26	1	140	300	400	800	2000	269.2	687.6	26700	26700	26700	26700	26700	20830	15490							M36-M80	
PA7-350-1-600	355.6	14	18	6	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	158	600	2000	38.5	105.4	720	720	720	420	320	260								M8-M16	
PA7-350-2-600	355.6	14	18	8	-66	-2 <sup>5</sup> / <sub>8</sub>	30	158	170	600	2000	38.6	122.1	1060	1060	1060	1060	1060	1060	830	610							M8-M16
PA7-350-3-600	355.6	14	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	200	600	2000	57.5	175.8	2020	2020	2020	2020	2020	2020	2020							M8-M24	
PA7-350-4-600	355.6	14	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	230	700	2000	78.7	246.8	3160	3160	3160	3160	3160	3160	3160							M8-M30	
PA7-350-5-600	355.6	14	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	180	280	700	2000	92.5	296.4	4560	4560	4560	4560	4560	4560	4560							M12-M36	
PA7-350-6-600	355.6	14	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	200	310	700	2000	132.3	386.5	7300	7300	7300	7300	7300	7300	7300							M20-M48	
PA7-350-7-600	355.6	14	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	240	340	800	2000	200.6	494.1	10680	10680	10680	10680	10680	10680	10680							M24-M56	
PA7-350-8-600	355.6	14	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	280	370	800	2000	227.7	606.5	14800	14800	14800	14800	14800	14800	14800							M36-M64	
PA7-350-9-600	355.6	14	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	290	420	800	2000	284.7	710.0	19300	19300	19300	19300	19300	19300	19300							M36-M72	
PA7-350-10-600	355.6	14	86	30	26	1	140	330	460	800	2000	316.2	847.1	26700	26700	26700	26700	26700	26700	26700							M36-M80	



**PA7 RISER CLAMP** FLAT PLATE TYPE

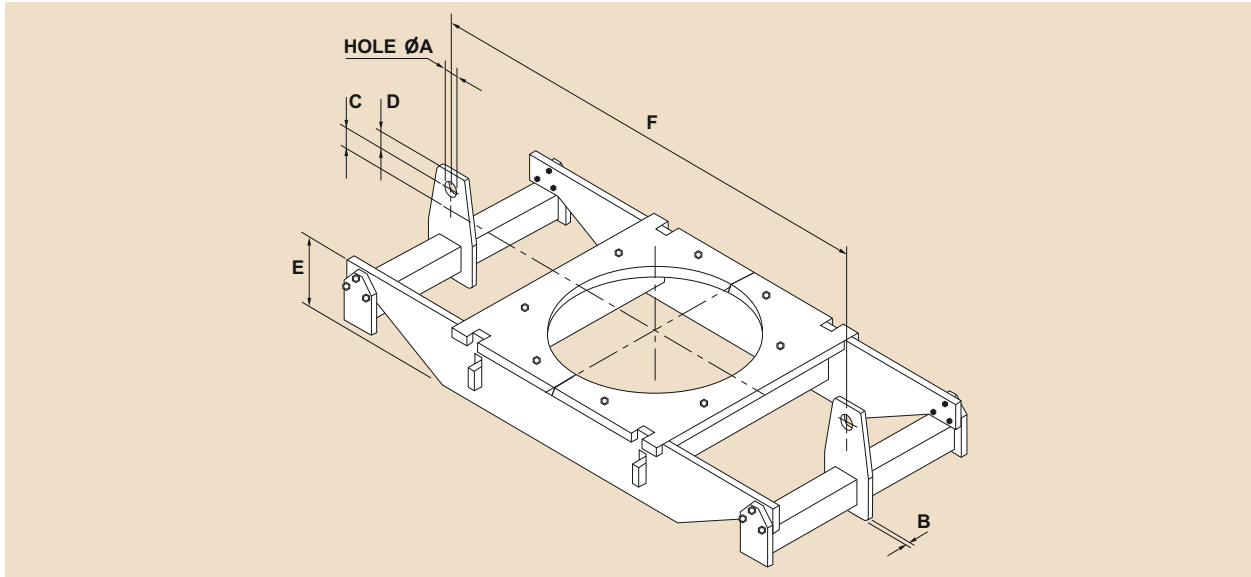


Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D	E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes							
	mm	in			mm	mm		mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530		560	580	600				
Pa7-400-1-400	406.4	16	18	6	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	44.7	90.2	720	720											M8-M16		
PA7-400-2-400	406.4	16	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	44.9	105.5	1060	1060											M8-M16		
PA7-400-3-400	406.4	16	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	170	700	2500	45.2	148.2	2020	2020											M8-M24		
PA7-400-4-400	406.4	16	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	700	2500	54.9	209.3	3160	3160											M8-M30		
PA7-400-5-400	406.4	16	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	230	700	2500	78.1	260.4	4560	4560											M12-M36		
PA7-400-6-400	406.4	16	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	260	800	2500	99.2	341.1	7300	7300											M20-M48		
PA7-400-7-400	406.4	16	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	208	290	800	2500	128.6	451.0	10680	10680											M24-M56		
PA7-400-8-400	406.4	16	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	340	800	2500	165.2	523.9	14800	14800											M36-M64		
PA7-400-9-400	406.4	16	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	370	900	2500	217.7	672.8	19300	19300											M36-M72		
PA7-400-10-400	406.4	16	86	30	26	1	140	294	410	900	2500	296.6	866.2	26700	26700											M36-M80		
PA7-400-11-400	406.4	16	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	450	900	2500	337.7	1043.3	36000	36000											M36-M80		
PA7-400-1-490	406.4	16	18	6	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	44.7	90.2	720	720	720	470	280	200	170						M8-M16		
PA7-400-2-490	406.4	16	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	44.9	105.5	1060	1060	1060	690	410	300	250						M8-M16		
PA7-400-3-490	406.4	16	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	170	700	2500	45.2	148.2	2020	2020	2020	1310	790	570	480						M8-M24		
PA7-400-4-490	406.4	16	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	700	2500	54.9	209.3	3160	3160	3160	2050	1230	880	760						M8-M30		
PA7-400-5-490	406.4	16	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	230	700	2500	78.1	260.4	4560	4560	4560	2960	1780	1280	1090						M12-M36		
PA7-400-6-490	406.4	16	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	260	800	2500	99.2	341.1	7300	7300	7300	4750	2850	2040	1750						M20-M48		
PA7-400-7-490	406.4	16	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	208	290	800	2500	128.6	451.0	10680	10680	10680	6940	4170	2990	2560						M24-M56		
PA7-400-8-490	406.4	16	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	340	800	2500	165.2	523.9	14800	14800	14800	9620	5770	4140	3550						M36-M64		
PA7-400-9-490	406.4	16	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	360	900	2500	217.7	658.8	19300	19300	19300	12550	7530	5400	4630						M36-M72		
PA7-400-10-490	406.4	16	86	30	26	1	140	294	400	900	2500	296.6	850.3	26700	26700	26700	17360	10410	7480	6410						M36-M80		
PA7-400-11-490	406.4	16	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	440	900	2500	337.7	1025.6	36000	36000	36000	23400	14040	10080	8640						M36-M80		
PA7-400-1-530	406.4	16	18	6	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	44.7	100.4	720	720	720	720	430	320	260							M8-M16	
PA7-400-2-530	406.4	16	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	44.9	127.4	1060	1060	1060	1060	640	470	380							M8-M16	
PA7-400-3-530	406.4	16	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	180	700	2500	50.9	155.2	2020	2020	2020	2020	1210	890	730							M8-M24	
PA7-400-4-530	406.4	16	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	200	700	2500	60.7	218.1	3160	3160	3160	3160	1900	1390	1140							M8-M30	
PA7-400-5-530	406.4	16	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	250	700	2500	80.0	277.8	4560	4560	4560	4560	2740	2010	1640							M12-M36	
PA7-400-6-530	406.4	16	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	280	800	2500	112.1	370.0	7300	7300	7300	7300	4380	3210	2630							M20-M48	
PA7-400-7-530	406.4	16	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	208	310	800	2500	141.6	483.6	10680	10680	10680	10680	6410	4700	3840							M24-M56	
PA7-400-8-530	406.4	16	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	210	340	800	2500	180.3	595.3	14800	14800	14800	14800	8880	6510	5330							M36-M64	
PA7-400-9-530	406.4	16	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	380	900	2500	250.5	687.2	19300	19300	19300	19300	11580	8490	6950							M36-M72	
PA7-400-10-530	406.4	16	86	30	26	1	140	294	420	900	2500	314.7	882.7	26700	26700	26700	26700	16020	11750	9610							M36-M80	
PA7-400-11-530	406.4	16	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	460	900	2500	373.9	1061.7	36000	36000	36000	36000	21600	15840	12960							M36-M80	
PA7-400-1-560	406.4	16	18	6	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	44.7	105.4	720	720	720	720	720	560	420								M8-M16
PA7-400-2-560	406.4	16	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	160	700	2500	44.9	141.1	1060	1060	1060	1060	1060	830	610								M8-M16
PA7-400-3-560	406.4	16	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	190	700	2500	54.6	204.1	2020	2020	2020	2020	2020	1580	1170								M8-M24
PA7-400-4-560	406.4	16	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	230	700	2500	71.6	251.4	3160	3160	3160	3160	3160	2460	1830								M8-M30
PA7-400-5-560	406.4	16	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	250	700	2500	91.7	329.0	4560	4560	4560	4560	4560	3560	2640								M12-M36
PA7-400-6-560	406.4	16	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	190	280	800	2500	117.9	421.5	7300	7300	7300	7300	7300	5690	4230								M20-M48
PA7-400-7-560	406.4	16	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	208	340	800	2500	165.9	520.8	10680	10680	10680	10680	10680	8330	6190								M24-M56
PA7-400-8-560	406.4	16	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	240	370	800	2500	191.6	646.0	14800	14800	14800	14800	14800	11540	8580								M36-M64
PA7-400-9-560	406.4	16	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	270	390	900	2500	273.2	797.3	19300	19300	19300	19300	19300	15050	11190								M36-M72
PA7-400-10-560	406.4	16	86	30	26	1	140	294	430	900	2500	346.8	990.5	26700	26700	26700	26700	26700	20830	15490								M36-M80
PA7-400-11-560	406.4	16	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	340	490	900	2500	413.7	1124.9	36000	36000	36000	36000	36000	28080	20880								M36-M80
PA7-400-1-600	406.4	16	18	6	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	160	700	2500	44.7	141.0	720	720	720	720	720	720	720								M8-M16
PA7-400-2-600	406.4	16	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	190	700	2500	50.5	161.5	1060	1060	1060	1060	1060	1060	1060								M8-M16
PA7-400-3-600	406.4	16	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	230	700	2500	69.3	246.1	2020	2020	2020	2020	2020	2020	2020								M8-M24
PA7-400-4-600	406.4	16	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	260	700	2500	96.7	329.1	3160	3160	3160	3160	3160	3160	3160								M8-M30
PA7-400-5-600	406.4	16	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	280	700	2500	109.5	420.1	4560	4560	4560	4560	4560	4560	4560								M12-M36
PA7-400-6-600	406.4	16	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	210	350	800	2500	162.1	514.9	7300	7300	7300	7300	7300	7300	7300								M20-M48
PA7-400-7-600	406.4	16	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	250	390	800	2500	199.6	671.1	10680	10680	10680	10680	10680	10680	10680								M24-M56
PA7-400-8-600	406.4	16	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	290	420	900	25																	



PA7 RISER CLAMP FLAT PLATE TYPE

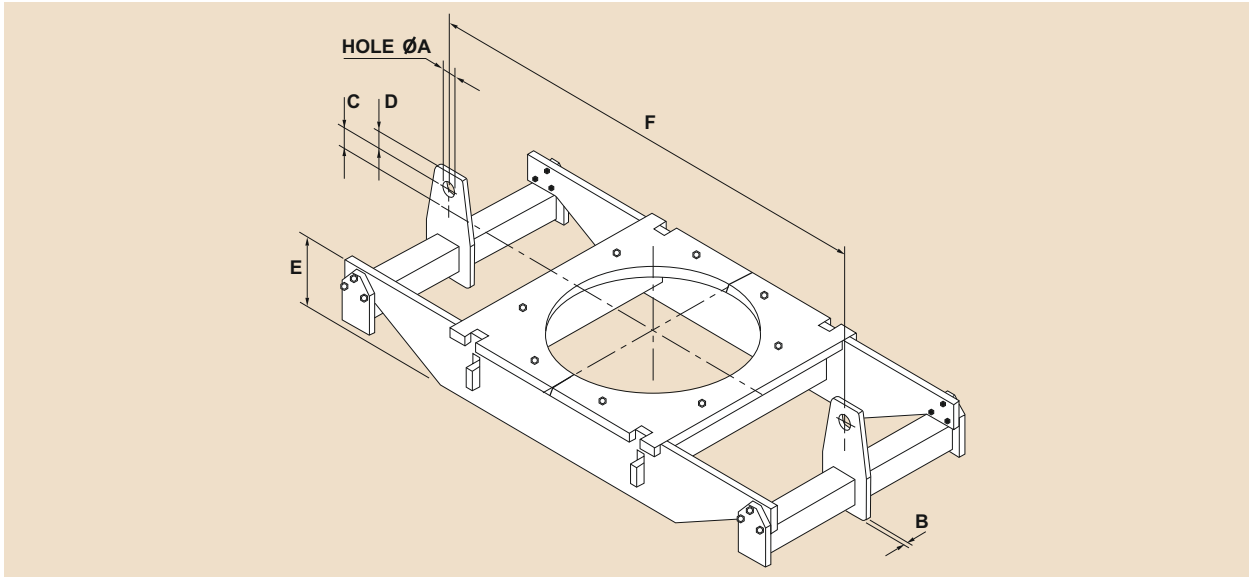


Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A		C		D		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes	
	mm	in	mm	mm	mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600			
PA7-450-2-400	457.2	18	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	50.1	106.2	1060	1060							M8-M16	
PA7-450-3-400	457.2	18	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	170	700	2500	50.5	154.6	2020	2020							M8-M24	
PA7-450-4-400	457.2	18	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	800	2500	69.8	217.9	3160	3160							M8-M30	
PA7-450-5-400	457.2	18	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	230	800	2500	89.7	271.5	4560	4560							M12-M36	
PA7-450-6-400	457.2	18	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	260	800	2500	120.8	363.3	7300	7300							M20-M48	
PA7-450-7-400	457.2	18	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	208	290	900	2500	160.6	476.8	10680	10680							M24-M56	
PA7-450-8-400	457.2	18	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	210	340	900	2500	203.4	542.5	14800	14800							M36-M64	
PA7-450-9-400	457.2	18	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	360	900	2500	231.2	681.3	19300	19300							M36-M72	
PA7-450-10-400	457.2	18	86	30	26	1	140	294	400	1000	2500	348.2	877.6	26700	26700							M36-M80	
PA7-450-11-400	457.2	18	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	450	1000	2500	420.3	1093.9	36000	36000							M36-M80	
PA7-450-12-400	457.2	18	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	340	470	1000	2500	479.2	1387.2	46050	46050							M36-M80	
PA7-450-2-490	457.2	18	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	50.1	106.2	1060	1060	1060	690	410	300	250			M8-M16
PA7-450-3-490	457.2	18	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	170	700	2500	50.5	154.6	2020	2020	2020	1310	790	570	480			M8-M24
PA7-450-4-490	457.2	18	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	800	2500	69.8	217.9	3160	3160	3160	2050	1230	880	760			M8-M30
PA7-450-5-490	457.2	18	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	220	800	2500	89.7	262.9	4560	4560	4560	2960	1780	1280	1090			M12-M36
PA7-450-6-490	457.2	18	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	260	800	2500	120.8	363.3	7300	7300	7300	4750	2850	2040	1750			M20-M48
PA7-450-7-490	457.2	18	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	208	290	900	2500	160.6	476.8	10680	10680	10680	6940	4170	2990	2560			M24-M56
PA7-450-8-490	457.2	18	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	208	330	900	2500	190.1	529.8	14800	14800	14800	9620	5770	4140	3550			M36-M64
PA7-450-9-490	457.2	18	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	360	900	2500	231.2	681.3	19300	19300	19300	12550	7530	5400	4630			M36-M72
PA7-450-10-490	457.2	18	86	30	26	1	140	294	400	1000	2500	332.6	877.6	26700	26700	26700	17360	10410	7480	6410			M36-M80
PA7-450-11-490	457.2	18	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	440	1000	2500	420.3	1076.0	36000	36000	36000	23400	14040	10080	8640			M36-M80
PA7-450-12-490	457.2	18	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	340	500	1000	2500	479.2	1222.3	60504	60504	6050	29930	17960	12890	11050			M36-M80
PA7-450-2-530	457.2	18	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	50.1	133.6	1060	1060	1060	1060	640	470	380			M8-M16
PA7-450-3-530	457.2	18	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	180	700	2500	57.2	167.0	2020	2020	2020	2020	1210	890	730			M8-M24
PA7-450-4-530	457.2	18	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	210	800	2500	80.6	244.7	3160	3160	3160	3160	1900	1390	1140			M8-M30
PA7-450-5-530	457.2	18	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	240	800	2500	101.4	280.5	4560	4560	4560	4560	2740	2010	1640			M12-M36
PA7-450-6-530	457.2	18	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	188	280	800	2500	123.7	384.5	7300	7300	7300	7300	4380	3210	2630			M20-M48
PA7-450-7-530	457.2	18	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	208	310	900	2500	182.7	501.8	10680	10680	10680	10680	6410	4700	3840			M24-M56
PA7-450-8-530	457.2	18	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	220	340	900	2500	207.7	625.6	14800	14800	14800	14800	8880	6510	5330			M36-M64
PA7-450-9-530	457.2	18	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	380	900	2500	248.9	720.5	19300	19300	19300	19300	11580	8490	6950			M36-M72
PA7-450-10-530	457.2	18	86	30	26	1	140	294	420	1000	2500	353.5	921.7	26700	26700	26700	26700	16020	11750	9610			M36-M80
PA7-450-11-530	457.2	18	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	460	1000	2500	426.6	1112.6	36000	36000	36000	36000	21600	15840	12960			M36-M80
PA7-450-12-530	457.2	18	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	340	480	1000	2500	533.4	1409.8	46050	46050	46050	46050	27630	20260	16580			M36-M80
PA7-450-2-560	457.2	18	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	158	700	2500	50.1	140.4	1060	1060	1060	1060	1060	830	610			M8-M16
PA7-450-3-560	457.2	18	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	180	800	2500	65.4	203.9	2020	2020	2020	2020	2020	1580	1170			M8-M24
PA7-450-4-560	457.2	18	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	230	800	2500	84.9	262.2	3160	3160	3160	3160	3160	2460	1830			M8-M30
PA7-450-5-560	457.2	18	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	240	800	2500	119.4	330.8	4560	4560	4560	4560	4560	3560	2640			M12-M36
PA7-450-6-560	457.2	18	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	200	280	800	2500	141.7	436.6	7300	7300	7300	7300	7300	5690	4230			M20-M48
PA7-450-7-560	457.2	18	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	220	340	900	2500	204.6	539.4	10680	10680	10680	10680	10680	8330	6190			M24-M56
PA7-450-8-560	457.2	18	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	250	360	900	2500	229.4	654.2	14800	14800	14800	14800	14800	11540	8580			M36-M64
PA7-450-9-560	457.2	18	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	264	390	900	2500	299.2	823.8	19300	19300	19300	19300	19300	15050	11190			M36-M72
PA7-450-10-560	457.2	18	86	30	26	1	140	300	450	1000	2500	399.8	970.6	26700	26700	26700	26700	26700	20830	15490			M36-M80
PA7-450-11-560	457.2	18	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	350	500	1000	2500	472.3	1208.2	36000	36000	36000	36000	36000	28080	20880			M36-M80
PA7-450-12-560	457.2	18	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	370	500	1000	2500	576.4	1454.1	46050	46050	46050	46050	46050	35920	26710			M36-M80
PA7-450-2-600	457.2	18	18	8	-66	-2 <sup>9</sup> / <sub>8</sub>	30	158	190	700	2500	56.9	173.4	1060	1060	1060	1060	1060	1060	1060			M8-M16
PA7-450-3-600	457.2	18	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	158	230	800	2500	80.5	256.6	2020	2020	2020	2020	2020	2020	2020			M8-M24
PA7-450-4-600	457.2	18	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	260	800	2500	111.7	351.1	3160	3160	3160	3160	3160	3160	3160			M8-M30
PA7-450-5-600	457.2	18	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	200	300	800	2500	140.3	404.2	4560	4560	4560	4560	4560	4560	4560			M12-M36
PA7-450-6-600	457.2	18	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	220	350	800	2500	182.4	542.8	7300	7300	7300	7300	7300	7300	7300			M20-M48
PA7-450-7-600	457.2	18	60	20	12	1 <sup>2</sup> / <sub>2</sub>	100	240	390	900	2500	253.5	704.1	10680	10680	10680	10680	10680	10680	10680			M24-M56
PA7-450-8-600	457.2	18	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	280	420	900	2500	286.5	853.2	14800	14800	14800	14800	14800	14800	14800			M36-M64
PA7-450-9-600	457.2	18	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	320	440	1000	2500	382.7	1012.6	19300	19300	19300	19300	19300	19300	19300			M36-M72
PA7-450-10-600	457.2	18	86	30	26	1	140	340	450	1000	2500	497.5	1299.7	26700	26700	26700	26700	26700	26700	26700			M36-M80
PA7-450-11-600	457.2	18	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	400	520	1000	2500	585.6	1483.6	36000	36000	36000	36000	36000	36000	36000			M36-M80
PA7-450-12-600	457.2	18	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	420	590	1000	2500	704.7	1676.8	46050	46050	46050							



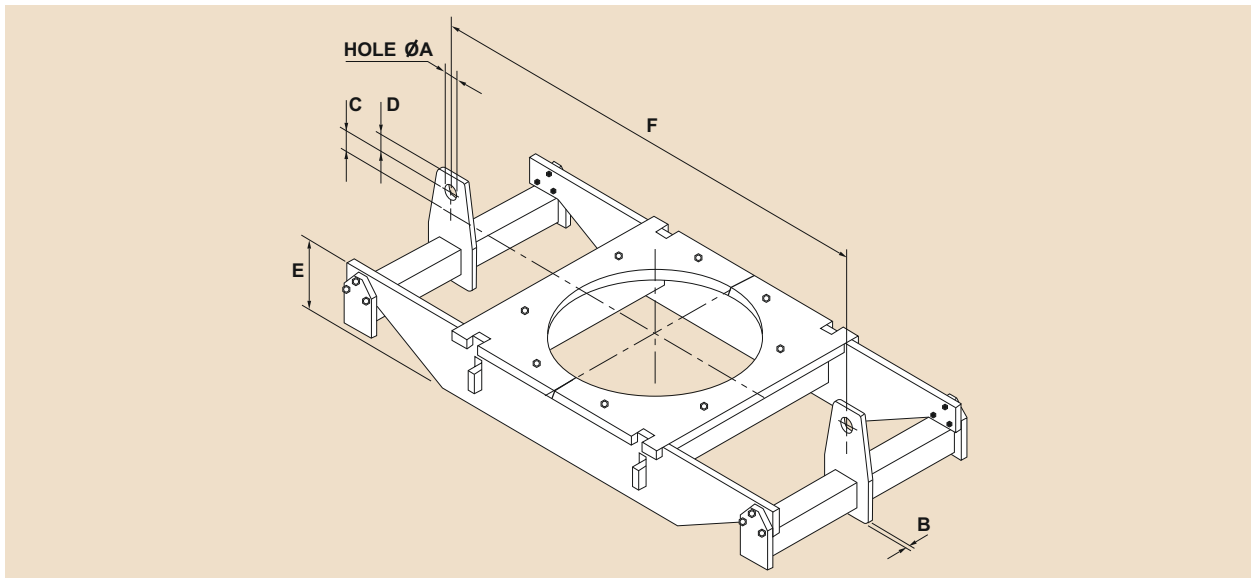
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D	E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes					
	mm	in			mm	mm		mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530		560	580	600		
PA7-550-3-400	558.8	22	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	168	170	900	2500	79.4	181.5	2020	2020										M8-M24	
PA7-550-4-400	558.8	22	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	900	2500	102.0	249.7	3160	3160										M8-M30	
PA7-550-5-400	558.8	22	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	220	900	2500	125.3	286.6	4560	4560										M12-M36	
PA7-550-6-400	558.8	22	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	208	250	1000	2500	170.2	399.0	7300	7300										M20-M48	
PA7-550-7-400	558.8	22	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	208	290	1000	2500	216.4	514.9	10680	10680										M24-M56	
PA7-550-8-400	558.8	22	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	228	330	1000	2500	264.3	598.8	14800	14800										M36-M64	
PA7-550-9-400	558.8	22	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	294	360	1100	2500	365.3	773.3	19300	19300										M36-M72	
PA7-550-10-400	558.8	22	86	30	26	1	140	294	400	1100	2500	409.0	951.0	26700	26700										M36-M80	
PA7-550-11-400	558.8	22	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	450	1100	2500	536.6	1208.1	36000	36000										M36-M80	
PA7-550-12-400	558.8	22	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	360	500	1100	2500	585.2	1339.0	46050	46050										M36-M80	
PA7-550-13-400	558.8	22	86	40	-46	-1 <sup>13</sup> / <sub>16</sub>	140	416	510	1200	2500	777.4	1697.4	56250	56250										M36-M80	
PA7-550-3-490	558.8	22	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	168	170	900	2500	79.4	181.5	2020	2020	2020	1310	790	570	480					M8-M24	
PA7-550-4-490	558.8	22	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	190	900	2500	102.0	249.7	3160	3160	3160	2050	1230	880	760					M8-M30	
PA7-550-5-490	558.8	22	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	220	900	2500	125.3	286.6	4560	4560	4560	2960	1780	1280	1090					M12-M36	
PA7-550-6-490	558.8	22	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	208	250	1000	2500	170.2	399.0	7300	7300	7300	4750	2850	2040	1750					M20-M48	
PA7-550-7-490	558.8	22	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	208	300	1000	2500	216.4	470.3	10680	10680	10680	6940	4170	2990	2560					M24-M56	
PA7-550-8-490	558.8	22	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	228	330	1000	2500	264.3	598.8	14800	14800	14800	9620	5770	4140	3550					M36-M64	
PA7-550-9-490	558.8	22	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	294	360	1100	2500	365.3	773.3	19300	19300	19300	12550	7530	5400	4630					M36-M72	
PA7-550-10-490	558.8	22	86	30	26	1	140	294	390	1100	2500	409.0	933.8	26700	26700	26700	17360	10410	7480	6410					M36-M80	
PA7-550-11-490	558.8	22	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	450	1100	2500	536.6	1086.9	36000	36000	36000	23400	14040	10080	8640					M36-M80	
PA7-550-12-490	558.8	22	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	360	490	1100	2500	585.2	1319.7	46050	46050	46050	29930	17960	12890	11050					M36-M80	
PA7-550-13-490	558.8	22	86	40	-46	-1 <sup>13</sup> / <sub>16</sub>	140	416	510	1200	2500	768.8	1697.4	56250	56250	56250	36560	21940	15750	13500					M36-M80	
PA7-550-3-530	558.8	22	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	168	180	900	2500	84.3	188.7	2020	2020	2020	2020	1210	890	730					M8-M24	
PA7-550-4-530	558.8	22	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	200	900	2500	107.0	258.8	3160	3160	3160	3160	1900	1390	1140					M8-M30	
PA7-550-5-530	558.8	22	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	240	900	2500	145.0	304.6	4560	4560	4560	4560	2740	2010	1640					M12-M36	
PA7-550-6-530	558.8	22	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	208	270	1000	2500	190.4	420.8	7300	7300	7300	7300	4380	3210	2630					M20-M48	
PA7-550-7-530	558.8	22	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	208	300	1000	2500	239.1	528.0	10680	10680	10680	10680	6410	4700	3840					M24-M56	
PA7-550-8-530	558.8	22	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	240	350	1000	2500	287.2	624.4	14800	14800	14800	14800	8880	6510	5330					M36-M64	
PA7-550-9-530	558.8	22	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	294	370	1100	2500	391.6	787.8	19300	19300	19300	19300	11580	8490	6950					M36-M72	
PA7-550-10-530	558.8	22	86	30	26	1	140	300	420	1100	2500	435.3	1000.2	26700	26700	26700	26700	16020	11750	9610					M36-M80	
PA7-550-11-530	558.8	22	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	330	460	1100	2500	544.1	1227.3	36000	36000	36000	36000	21600	15840	12960					M36-M80	
PA7-550-12-530	558.8	22	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	370	470	1200	2500	719.4	1515.5	46050	46050	46050	27630	20260	16580						M36-M80	
PA7-550-13-530	558.8	22	86	40	-46	-1 <sup>13</sup> / <sub>16</sub>	140	416	520	1200	2500	786.8	1720.9	56250	56250	56250	56250	33750	24750	20250					M36-M80	
PA7-550-3-560	558.8	22	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	168	180	900	2500	104.4	227.3	2020	2020	2020	2020	2020	2020	1580	1170					M8-M24
PA7-550-4-560	558.8	22	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	168	220	900	2500	120.5	276.7	3160	3160	3160	3160	3160	2480	1830					M8-M30	
PA7-550-5-560	558.8	22	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	240	900	2500	151.8	370.7	4560	4560	4560	4560	4560	3560	2640					M12-M36	
PA7-550-6-560	558.8	22	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	208	300	1000	2500	218.4	467.8	7300	7300	7300	7300	7300	5690	4230					M20-M48	
PA7-550-7-560	558.8	22	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	230	330	1000	2500	252.8	580.0	10680	10680	10680	10680	10680	8330	6190					M24-M56	
PA7-550-8-560	558.8	22	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	250	360	1100	2500	337.6	733.3	14800	14800	14800	14800	14800	11540	8580					M36-M64	
PA7-550-9-560	558.8	22	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	294	380	1100	2500	403.9	912.3	19300	19300	19300	19300	19300	15050	11190					M36-M72	
PA7-550-10-560	558.8	22	86	30	26	1	140	310	440	1100	2500	504.2	1033.8	26700	26700	26700	26700	26700	20830	15490					M36-M80	
PA7-550-11-560	558.8	22	86	35	-10	-3 <sup>3</sup> / <sub>8</sub>	140	350	490	1100	2500	565.4	1283.0	36000	36000	36000	36000	36000	28080	20880					M36-M80	
PA7-550-12-560	558.8	22	86	40	-10	-3 <sup>3</sup> / <sub>8</sub>	140	400	500	1200	2500	746.3	1617.7	46050	46050	46050	46050	46050	35920	26710					M36-M80	
PA7-550-13-560	558.8	22	86	40	-46	-1 <sup>13</sup> / <sub>16</sub>	140	416	540	1200	2500	911.1	1766.8	56250	56250	56250	56250	56250	43880	32630					M36-M80	
PA7-550-3-600	558.8	22	26	10	-48	-1 <sup>7</sup> / <sub>8</sub>	45	168	220	900	2500	120.4	276.5	2020	2020	2020	2020	2020	2020	2020					M8-M24	
PA7-550-4-600	558.8	22	33	10	-38	-1 <sup>1</sup> / <sub>2</sub>	55	180	250	900	2500	146.8	369.8	3160	3160	3160	3160	3160	3160	3160					M8-M30	
PA7-550-5-600	558.8	22	39	12	-28	-1 <sup>1</sup> / <sub>8</sub>	65	188	300	900	2500	192.8	449.7	4560	4560	4560	4560	4560	4560	4560					M12-M36	
PA7-550-6-600	558.8	22	52	16	-3	-1 <sup>1</sup> / <sub>8</sub>	85	240	340	1000	2500	268.7	590.6	7300	7300	7300	7300	7300	7300	7300					M20-M48	
PA7-550-7-600	558.8	22	60	20	12	1 <sup>1</sup> / <sub>2</sub>	100	260	380	1000	2500	331.0	741.9	10680	10680	10680	10680	10680	10680	10680					M24-M56	
PA7-550-8-600	558.8	22	68	25	32	1 <sup>1</sup> / <sub>4</sub>	115	280	410	1100	2500	415.2	917.0	14800	14800	14800	14800	14800	14800	14800					M36-M64	
PA7-550-9-600	558.8	22	76	25	11	7 <sup>1</sup> / <sub>16</sub>	130	330	430	1100	2500	513.5	1097.3	19300	19300	19300	19300	19300	19300	19300					M36-M72	
PA7-550-10-600	558.8	22	86	30	26	1	140	350	500	1100	2500	620.3	1265.1	26700	26700	26700	26700	26700	26700						M36-M80	
PA7-550-11-600	558.8	22	86	35	-10	-3 <sup>3</sup> / <sub>8</sub> </																				

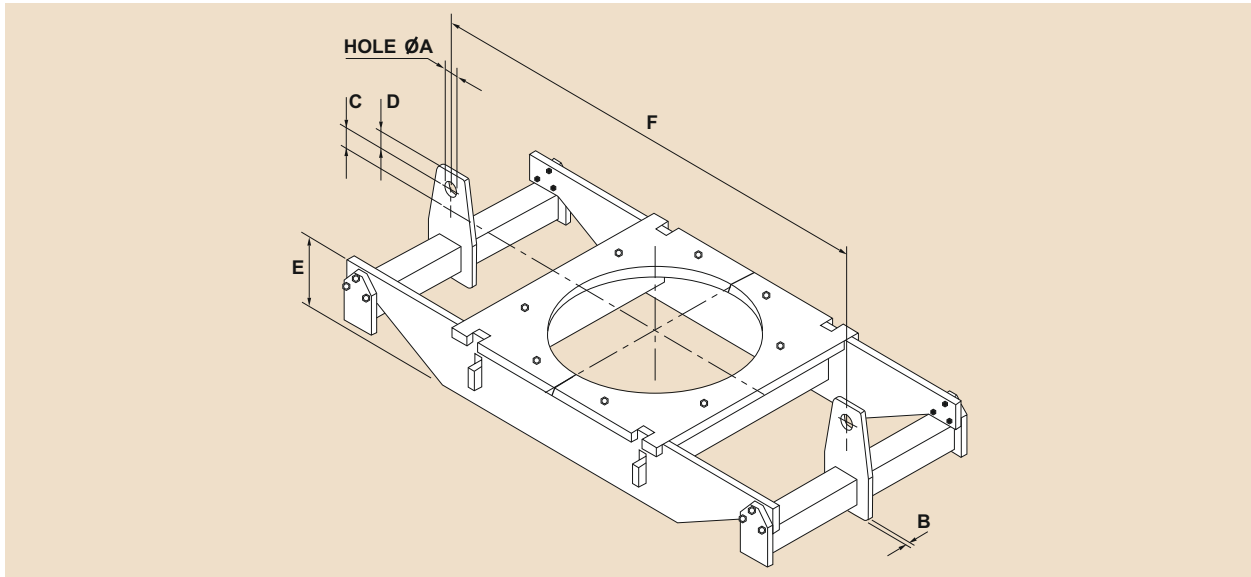
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D	E		F		Weight kgf		Load Capacity (kgf) at Temperature C						Compatible with Rod Sizes		
	mm	in			mm	in		mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530		560	580
PA7-600-3-400	609.6	24	26	10	-48	-17/8	45	168	168	900	2500	87.7	183.9	2020	2020							M8-M24
PA7-600-4-400	609.6	24	33	10	-38	-1 1/2	55	188	190	1000	2500	125.3	271.8	3160	3160							M8-M30
PA7-600-5-400	609.6	24	39	12	-28	-1 1/8	65	188	220	1000	2500	144.0	299.9	4560	4560							M12-M36
PA7-600-6-400	609.6	24	52	16	-3	-1/8	85	208	250	1000	2500	189.2	416.6	7300	7300							M20-M48
PA7-600-7-400	609.6	24	60	20	12	1/2	100	208	300	1100	2500	244.8	490.9	10680	10680							M24-M56
PA7-600-8-400	609.6	24	68	25	32	1 1/4	115	230	330	1100	2500	297.1	623.4	14800	14800							M36-M64
PA7-600-9-400	609.6	24	76	25	11	7/16	130	294	350	1200	2500	405.8	787.0	19300	19300							M36-M72
PA7-600-10-400	609.6	24	86	30	26	1	140	294	390	1200	2500	470.4	967.5	26700	26700							M36-M80
PA7-600-11-400	609.6	24	86	35	-10	-3/8	140	330	440	1200	2500	596.1	1235.3	36000	36000							M36-M80
PA7-600-12-400	609.6	24	86	40	-10	-3/8	140	360	490	1200	2500	645.8	1366.1	46050	46050							M36-M80
PA7-600-13-400	609.6	24	86	40	-46	-1 13/16	140	416	510	1200	2500	805.3	1753.5	56250	56250							M36-M80
PA7-600-3-490	609.6	24	26	10	-48	-17/8	45	168	168	900	2500	87.7	183.9	2020	2020	2020	1310	790	570	480		M8-M24
PA7-600-4-490	609.6	24	33	10	-38	-1 1/2	55	188	200	1000	2500	125.3	236.4	3160	3160	3160	2050	1230	880	760		M8-M30
PA7-600-5-490	609.6	24	39	12	-28	-1 1/8	65	188	220	1000	2500	144.0	299.9	4560	4560	4560	2960	1780	1280	1090		M12-M36
PA7-600-6-490	609.6	24	52	16	-3	-1/8	85	208	250	1000	2500	189.2	416.6	7300	7300	7300	4750	2850	2040	1750		M20-M48
PA7-600-7-490	609.6	24	60	20	12	1/2	100	208	300	1100	2500	244.8	490.9	10680	10680	10680	6940	4170	2990	2560		M24-M56
PA7-600-8-490	609.6	24	68	25	32	1 1/4	115	230	330	1100	2500	297.1	623.4	14800	14800	14800	9620	5770	4140	3550		M36-M64
PA7-600-9-490	609.6	24	76	25	11	7/16	130	294	350	1200	2500	405.8	787.0	19300	19300	19300	12550	7530	5400	4630		M36-M72
PA7-600-10-490	609.6	24	86	30	26	1	140	294	390	1200	2500	453.9	967.5	26700	26700	26700	17360	10410	7480	6410		M36-M80
PA7-600-11-490	609.6	24	86	35	-10	-3/8	140	330	440	1200	2500	596.1	1235.3	36000	36000	36000	23400	14040	10080	8640		M36-M80
PA7-600-12-490	609.6	24	86	40	-10	-3/8	140	360	490	1200	2500	645.8	1366.1	46050	46050	46050	29930	17960	12890	11050		M36-M80
PA7-600-13-490	609.6	24	86	40	-46	-1 13/16	140	416	500	1200	2500	805.3	1730.9	56250	56250	56250	36560	21940	15750	13500		M36-M80
PA7-600-3-530	609.6	24	26	10	-48	-17/8	45	168	180	1000	2500	97.6	198.3	2020	2020	2020	2020	1210	890	730		M8-M24
PA7-600-4-530	609.6	24	33	10	-38	-1 1/2	55	188	200	1000	2500	128.0	281.1	3160	3160	3160	3160	1900	1390	1140		M8-M30
PA7-600-5-530	609.6	24	39	12	-28	-1 1/8	65	188	240	1000	2500	166.6	333.9	4560	4560	4560	4560	2740	2010	1640		M12-M36
PA7-600-6-530	609.6	24	52	16	-3	-1/8	85	208	270	1000	2500	211.9	455.1	7300	7300	7300	7300	4380	3210	2630		M20-M48
PA7-600-7-530	609.6	24	60	20	12	1/2	100	210	300	1100	2500	270.7	565.8	10680	10680	10680	10680	6410	4700	3840		M24-M56
PA7-600-8-530	609.6	24	68	25	32	1 1/4	115	250	350	1100	2500	323.2	665.8	14800	14800	14800	14800	8880	6510	5330		M36-M64
PA7-600-9-530	609.6	24	76	25	11	7/16	130	294	370	1200	2500	435.5	834.2	19300	19300	19300	19300	11580	8490	6950		M36-M72
PA7-600-10-530	609.6	24	86	30	26	1	140	294	410	1200	2500	505.6	1019.6	26700	26700	26700	26700	16020	11750	9610		M36-M80
PA7-600-11-530	609.6	24	86	35	-10	-3/8	140	330	450	1200	2500	603.5	1253.8	36000	36000	36000	36000	21600	15840	12960		M36-M80
PA7-600-12-530	609.6	24	86	40	-10	-3/8	140	360	460	1200	2500	756.0	1542.3	46050	46050	46050	46050	27630	20260	16580		M36-M80
PA7-600-13-530	609.6	24	86	40	-46	-1 13/16	140	416	510	1200	2500	823.6	1753.5	56250	56250	56250	56250	33750	24750	20250		M36-M80
PA7-600-3-560	609.6	24	26	10	-48	-17/8	45	168	200	1000	2500	117.9	227.9	2020	2020	2020	2020	2020	1580	1170		M8-M24
PA7-600-4-560	609.6	24	33	10	-38	-1 1/2	55	188	220	1000	2500	143.4	299.3	3160	3160	3160	3160	3160	2460	1830		M8-M30
PA7-600-5-560	609.6	24	39	12	-28	-1 1/8	65	188	240	1000	2500	170.2	387.4	4560	4560	4560	4560	4560	3560	2640		M12-M36
PA7-600-6-560	609.6	24	52	16	-3	-1/8	85	208	300	1000	2500	236.7	488.4	7300	7300	7300	7300	7300	5690	4230		M20-M48
PA7-600-7-560	609.6	24	60	20	12	1/2	100	240	330	1100	2500	301.8	604.2	10680	10680	10680	10680	8330	6190			M24-M56
PA7-600-8-560	609.6	24	68	25	32	1 1/4	115	250	350	1100	2500	379.3	746.5	14800	14800	14800	14800	14800	11540	8580		M36-M64
PA7-600-9-560	609.6	24	76	25	11	7/16	130	300	400	1200	2500	472.1	879.7	19300	19300	19300	19300	19300	15050	11190		M36-M72
PA7-600-10-560	609.6	24	86	30	26	1	140	320	440	1200	2500	562.1	1071.0	26700	26700	26700	26700	26700	20830	15490		M36-M80
PA7-600-11-560	609.6	24	86	35	-10	-3/8	140	340	480	1200	2500	673.7	1311.0	36000	36000	36000	36000	36000	28080	20880		M36-M80
PA7-600-12-560	609.6	24	86	40	-10	-3/8	140	380	490	1200	2500	774.1	1649.5	46050	46050	46050	46050	46050	35920	26710		M36-M80
PA7-600-13-560	609.6	24	86	40	-46	-1 13/16	140	420	540	1300	2500	997.8	1823.8	56250	56250	56250	56250	56250	43880	32630		M36-M80
PA7-600-3-600	609.6	24	26	10	-48	-17/8	45	168	220	1000	2500	135.1	289.4	2020	2020	2020	2020	2020	2020	2020		M8-M24
PA7-600-4-600	609.6	24	33	10	-38	-1 1/2	55	188	250	1000	2500	173.4	397.5	3160	3160	3160	3160	3160	3160	3160		M8-M30
PA7-600-5-600	609.6	24	39	12	-28	-1 1/8	65	190	290	1000	2500	220.1	458.4	4560	4560	4560	4560	4560	4560	4560		M12-M36
PA7-600-6-600	609.6	24	52	16	-3	-1/8	85	250	340	1000	2500	296.8	615.0	7300	7300	7300	7300	7300	7300	7300		M20-M48
PA7-600-7-600	609.6	24	60	20	12	1/2	100	270	370	1100	2500	373.3	755.2	10680	10680	10680	10680	10680	10680	10680		M24-M56
PA7-600-8-600	609.6	24	68	25	32	1 1/4	115	280	400	1100	2500	446.3	952.2	14800	14800	14800	14800	14800	14800	14800		M36-M64
PA7-600-9-600	609.6	24	76	25	11	7/16	130	340	430	1200	2500	572.4	1172.2	19300	19300	19300	19300	19300	19300	19300		M36-M72
PA7-600-10-600	609.6	24	86	30	26	1	140	360	500	1200	2500	689.6	1310.3	26700	26700	26700	26700	26700	26700	26700		M36-M80
PA7-600-11-600	609.6	24	86	35	-10	-3/8	140	390	510	1200	2500	864.1	1651.4	36000	36000	36000	36000	36000	36000	36000		M36-M80
PA7-600-12-600	609.6	24	86	40	-10	-3/8	140	440	570	1200	2500	986.2	1872.6	46050	46050	46050	46050	46050	46050	46050		M36-M80
PA7-600-13-600	609.6	24	86	40	-46	-1 13/16	140	470	560	1300	2500	1151.7	2162.9	56250	56250	56250	56250	56250	56250	56250		M36-M80

PA7 RISER CLAMP FLAT PLATE TYPE

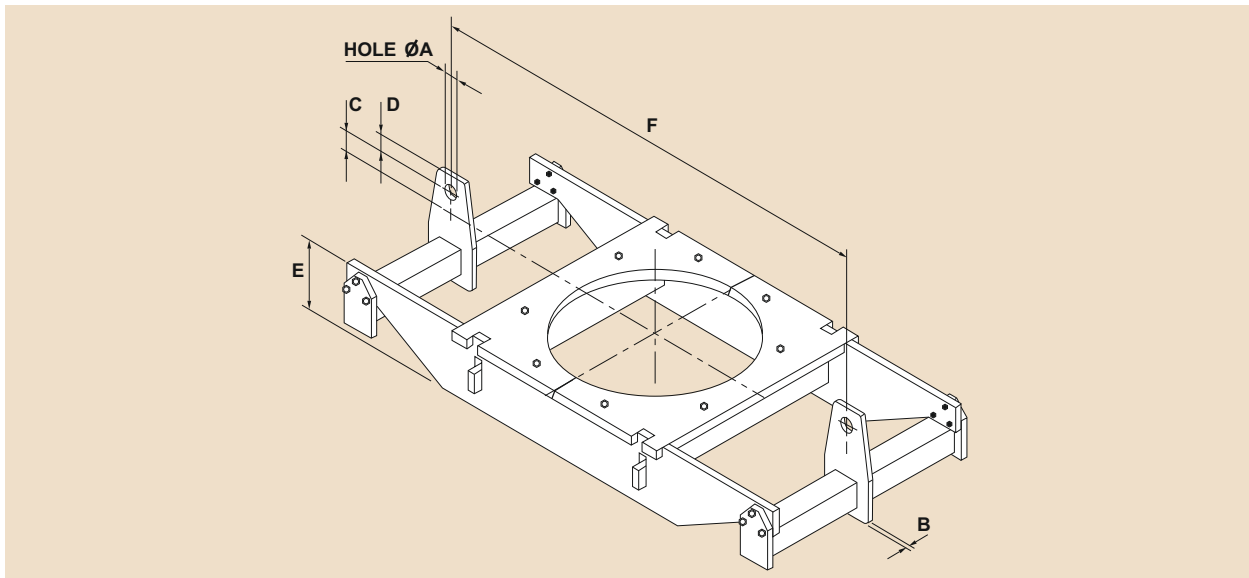


Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D		E		F		Weight kg		Load Capacity (kg) at Temperature C								Compatible with Rod Sizes	
	mm	in			mm	mm	mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA7-650-3-400	660.4	26	26	10	-48	-17/8	45	168	180	1000	3000	98.0	229.1	2020	2020									M8-M24
PA7-650-4-400	660.4	26	33	10	-38	-11/2	55	188	200	1000	3000	137.0	323.7	3160	3160									M8-M30
PA7-650-5-400	660.4	26	39	12	-28	-11/8	65	188	240	1100	3000	159.2	367.0	4560	4560									M12-M36
PA7-650-6-400	660.4	26	52	16	-3	-1/8	85	208	280	1100	3000	208.7	517.3	7300	7300									M20-M48
PA7-650-7-400	660.4	26	60	20	12	1/2	100	228	310	1100	3000	281.5	663.3	10680	10680									M24-M56
PA7-650-8-400	660.4	26	68	25	32	11/4	115	240	340	1200	3000	331.3	821.4	14800	14800									M36-M64
PA7-650-9-400	660.4	26	76	25	11	7/16	130	294	390	1200	3000	425.3	969.4	19300	19300									M36-M72
PA7-650-10-400	660.4	26	86	30	26	1	140	300	440	1200	3000	519.1	1236.5	26700	26700									M36-M80
PA7-650-11-400	660.4	26	86	35	-10	-3/8	140	330	490	1200	3000	635.6	1520.3	36000	36000									M36-M80
PA7-650-12-400	660.4	26	86	40	-10	-3/8	140	380	510	1300	3000	846.3	1968.4	46050	46050									M36-M80
PA7-650-13-400	660.4	26	86	40	-46	-113/16	140	416	550	1300	3000	880.2	2097.9	56250	56250									M36-M80
PA7-650-3-490	660.4	26	26	10	-48	-17/8	45	168	180	1000	3000	98.0	229.1	2020	2020	2020	1310	790	570	480				M8-M24
PA7-650-4-490	660.4	26	33	10	-38	-11/2	55	188	200	1000	3000	137.0	323.7	3160	3160	3160	2050	1230	880	760				M8-M30
PA7-650-5-490	660.4	26	39	12	-28	-11/8	65	188	240	1100	3000	159.2	367.0	4560	4560	4560	2960	1780	1280	1090				M12-M36
PA7-650-6-490	660.4	26	52	16	-3	-1/8	85	208	270	1100	3000	208.7	504.2	7300	7300	7300	4750	2850	2040	1750				M20-M48
PA7-650-7-490	660.4	26	60	20	12	1/2	100	228	310	1100	3000	281.5	663.3	10680	10680	10680	6940	4170	2990	2560				M24-M56
PA7-650-8-490	660.4	26	68	25	32	11/4	115	230	340	1200	3000	325.6	821.4	14800	14800	14800	9620	5770	4140	3550				M36-M64
PA7-650-9-490	660.4	26	76	25	11	7/16	130	294	390	1200	3000	425.3	969.4	19300	19300	19300	12550	7530	5400	4630				M36-M72
PA7-650-10-490	660.4	26	86	30	26	1	140	300	430	1200	3000	519.1	1216.3	26700	26700	26700	17360	10410	7480	6410				M36-M80
PA7-650-11-490	660.4	26	86	35	-10	-3/8	140	330	480	1200	3000	635.6	1498.7	36000	36000	36000	23400	14040	10080	8640				M36-M80
PA7-650-12-490	660.4	26	86	40	-10	-3/8	140	380	490	1300	3000	787.4	1870.6	46050	46050	46050	29930	17960	12890	11050				M36-M80
PA7-650-13-490	660.4	26	86	40	-46	-113/16	140	416	550	1300	3000	880.2	2097.9	56250	56250	56250	36560	21940	15750	13500				M36-M80
PA7-650-3-530	660.4	26	26	10	-48	-17/8	45	168	190	1000	3000	106.4	237.4	2020	2020	2020	2020	1210	890	730				M8-M24
PA7-650-4-530	660.4	26	33	10	-38	-11/2	55	188	220	1100	3000	154.4	345.1	3160	3160	3160	3160	1900	1390	1140				M8-M30
PA7-650-5-530	660.4	26	39	12	-28	-11/8	65	188	240	1100	3000	184.9	446.6	4560	4560	4560	4560	2740	2010	1640				M12-M36
PA7-650-6-530	660.4	26	52	16	-3	-1/8	85	208	300	1100	3000	234.5	562.1	7300	7300	7300	7300	4380	3210	2630				M20-M48
PA7-650-7-530	660.4	26	60	20	12	1/2	100	228	330	1100	3000	310.2	712.7	10680	10680	10680	10680	6410	4700	3840				M24-M56
PA7-650-8-530	660.4	26	68	25	32	11/4	115	230	360	1200	3000	383.7	875.9	14800	14800	14800	14800	8880	6510	5330				M36-M64
PA7-650-9-530	660.4	26	76	25	11	7/16	130	294	390	1200	3000	464.2	1100.3	19300	19300	19300	19300	11580	8490	6950				M36-M72
PA7-650-10-530	660.4	26	86	30	26	1	140	294	450	1200	3000	548.6	1255.9	26700	26700	26700	26700	16020	11750	9610				M36-M80
PA7-650-11-530	660.4	26	86	35	-10	-3/8	140	340	500	1200	3000	651.4	1542.9	36000	36000	36000	36000	21600	15840	12960				M36-M80
PA7-650-12-530	660.4	26	86	40	-10	-3/8	140	380	520	1300	3000	855.7	1996.0	46050	46050	46050	46050	27630	20260	16580				M36-M80
PA7-650-13-530	660.4	26	86	40	-46	-113/16	140	416	560	1300	3000	967.3	2125.5	56250	56250	56250	56250	33750	24750	20250				M36-M80
PA7-650-3-560	660.4	26	26	10	-48	-17/8	45	168	200	1000	3000	129.3	313.7	2020	2020	2020	2020	2020	1580	1170				M8-M24
PA7-650-4-560	660.4	26	33	10	-38	-11/2	55	188	240	1100	3000	184.2	366.4	3160	3160	3160	3160	3160	2460	1830				M8-M30
PA7-650-5-560	660.4	26	39	12	-28	-11/8	65	188	260	1100	3000	192.9	472.3	4560	4560	4560	4560	4560	3560	2640				M12-M36
PA7-650-6-560	660.4	26	52	16	-3	-1/8	85	208	300	1100	3000	266.2	630.5	7300	7300	7300	7300	7300	5690	4230				M20-M48
PA7-650-7-560	660.4	26	60	20	12	1/2	100	250	330	1100	3000	343.8	799.9	10680	10680	10680	10680	6410	4700	3840				M24-M56
PA7-650-8-560	660.4	26	68	25	32	11/4	115	260	390	1200	3000	422.8	927.8	14800	14800	14800	14800	14800	11540	8580				M36-M64
PA7-650-9-560	660.4	26	76	25	11	7/16	130	300	410	1200	3000	503.6	1139.9	19300	19300	19300	19300	19300	15050	11190				M36-M72
PA7-650-10-560	660.4	26	86	30	26	1	140	330	460	1200	3000	618.1	1425.3	26700	26700	26700	26700	26700	20830	15490				M36-M80
PA7-650-11-560	660.4	26	86	35	-10	-3/8	140	360	480	1300	3000	789.4	1764.1	36000	36000	36000	36000	36000	28080	20880				M36-M80
PA7-650-12-560	660.4	26	86	40	-10	-3/8	140	400	540	1300	3000	885.5	2050.0	46050	46050	46050	46050	46050	35920	26710				M36-M80
PA7-650-13-560	660.4	26	86	40	-46	-113/16	140	416	600	1300	3000	1041.7	2277.3	56250	56250	56250	56250	56250	43880	32630				M36-M80
PA7-650-3-600	660.4	26	26	10	-48	-17/8	45	168	240	1000	3000	171.8	356.1	2020	2020	2020	2020	2020	2020	2020				M8-M24
PA7-650-4-600	660.4	26	33	10	-38	-11/2	55	200	270	1100	3000	217.9	484.3	3160	3160	3160	3160	3160	3160	3160				M8-M30
PA7-650-5-600	660.4	26	39	12	-28	-11/8	65	200	300	1100	3000	248.8	610.5	4560	4560	4560	4560	4560	4560	4560				M12-M36
PA7-650-6-600	660.4	26	52	16	-3	-1/8	85	230	340	1100	3000	354.8	797.7	7300	7300	7300	7300	7300	7300	7300				M20-M48
PA7-650-7-600	660.4	26	60	20	12	1/2	100	280	380	1200	3000	432.3	1010.4	10680	10680	10680	10680	10680	10680	10680				M24-M56
PA7-650-8-600	660.4	26	68	25	32	11/4	115	290	440	1200	3000	497.2	1173.7	14800	14800	14800	14800	14800	14800	14800				M36-M64
PA7-650-9-600	660.4	26	76	25	11	7/16	130	340	470	1200	3000	610.7	1430.8	19300	19300	19300	19300	19300	19300	19300				M36-M72
PA7-650-10-600	660.4	26	86	30	26	1	140	380	480	1300	3000	781.4	1730.8	26700	26700	26700	26700	26700	26700	26700				M36-M80
PA7-650-11-600	660.4	26	86	35	-10	-3/8	140	410	560	1300	3000	960.8	2021.2	36000	36000	36000	36000	36000	36000	36000				M36-M80
PA7-650-12-600	660.4	26	86	40	-10	-3/8	140	430	560	1300	3000	1147.5	2436.3	46050	46050	46050	46050	46050	46050	46050				M36-M80
PA7-650-13-600	660.4	26	86	40	-46	-113/16	140	460	560	1300	3000	120												



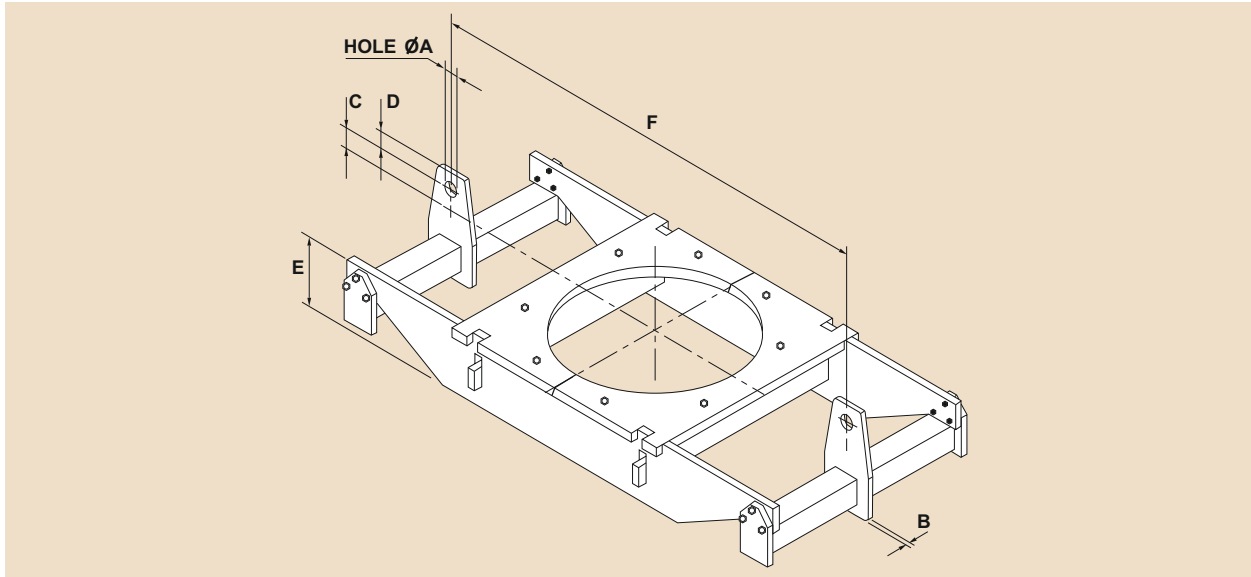
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D		E		F		Weight kgf		Load Capacity (kgf) at Temperature C							Compatible with Rod Sizes		
	mm	in			mm	mm	mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580		600	
PA7-700-3-400	711.2	28	26	10	-48	-17/8	45	168	180	1100	3000	117.8	239.3	2020	2020									M8-M24
PA7-700-4-400	711.2	28	33	10	-38	-11/2	55	188	200	1100	3000	154.6	337.7	3160	3160									M8-M30
PA7-700-5-400	711.2	28	39	12	-28	-11/8	65	188	240	1100	3000	176.0	381.4	4560	4560									M12-M36
PA7-700-6-400	711.2	28	52	16	-3	-1/8	85	208	270	1100	3000	253.6	523.1	7300	7300									M20-M48
PA7-700-7-400	711.2	28	60	20	12	1/2	100	228	310	1200	3000	334.0	686.3	10680	10680									M24-M56
PA7-700-8-400	711.2	28	68	25	32	11/4	115	258	340	1200	3000	403.5	878.5	14800	14800									M36-M64
PA7-700-9-400	711.2	28	76	25	11	7/16	130	294	390	1300	3000	497.4	1001.1	19300	19300									M36-M72
PA7-700-10-400	711.2	28	86	30	26	1	140	294	430	1300	3000	587.0	1256.1	26700	26700									M36-M80
PA7-700-11-400	711.2	28	86	35	-10	-3/8	140	360	480	1300	3000	720.0	1579.5	36000	36000									M36-M80
PA7-700-12-400	711.2	28	86	40	-10	-3/8	140	380	500	1400	3000	922.9	2000.8	46050	46050									M36-M80
PA7-700-13-400	711.2	28	86	40	-46	-13/16	140	416	550	1400	3000	986.9	2176.9	56250	56250									M36-M80
PA7-700-3-490	711.2	28	26	10	-48	-17/8	45	168	180	1100	3000	114.6	239.3	2020	2020	2020	1310	790	570	480				M8-M24
PA7-700-4-490	711.2	28	33	10	-38	-11/2	55	188	200	1100	3000	154.6	337.7	3160	3160	3160	2050	1230	880	760				M8-M30
PA7-700-5-490	711.2	28	39	12	-28	-11/8	65	188	240	1100	3000	176.0	381.4	4560	4560	4560	2960	1780	1280	1090				M12-M36
PA7-700-6-490	711.2	28	52	16	-3	-1/8	85	208	270	1100	3000	229.1	523.1	7300	7300	7300	4750	2850	2040	1750				M20-M48
PA7-700-7-490	711.2	28	60	20	12	1/2	100	228	300	1200	3000	307.8	671.3	10680	10680	10680	6940	4170	2990	2560				M24-M56
PA7-700-8-490	711.2	28	68	25	32	11/4	115	258	340	1200	3000	403.5	878.5	14800	14800	14800	9620	5770	4140	3550				M36-M64
PA7-700-9-490	711.2	28	76	25	11	7/16	130	294	380	1300	3000	468.3	983.8	19300	19300	19300	12550	7530	5400	4630				M36-M72
PA7-700-10-490	711.2	28	86	30	26	1	140	300	430	1300	3000	564.1	1256.1	26700	26700	26700	17360	10410	7480	6410				M36-M80
PA7-700-11-490	711.2	28	86	35	-10	-3/8	140	360	470	1300	3000	720.0	1556.5	36000	36000	36000	23400	14040	10080	8640				M36-M80
PA7-700-12-490	711.2	28	86	40	-10	-3/8	140	380	500	1400	3000	912.9	2000.8	46050	46050	46050	29930	17960	12890	11050				M36-M80
PA7-700-13-490	711.2	28	86	40	-46	-13/16	140	416	540	1400	3000	976.1	2150.3	56250	56250	56250	36560	21940	15750	13500				M36-M80
PA7-700-3-530	711.2	28	26	10	-48	-17/8	45	168	190	1100	3000	120.7	247.7	2020	2020	2020	2020	1210	890	730				M8-M24
PA7-700-4-530	711.2	28	33	10	-38	-11/2	55	188	220	1100	3000	171.4	359.3	3160	3160	3160	3160	1900	1390	1140				M8-M30
PA7-700-5-530	711.2	28	39	12	-28	-11/8	65	188	240	1100	3000	204.3	464.5	4560	4560	4560	4560	2740	2010	1640				M12-M36
PA7-700-6-530	711.2	28	52	16	-3	-1/8	85	208	300	1200	3000	281.0	584.1	7300	7300	7300	7300	4380	3210	2630				M20-M48
PA7-700-7-530	711.2	28	60	20	12	1/2	100	230	330	1200	3000	345.2	738.6	10680	10680	10680	10680	6410	4700	3840				M24-M56
PA7-700-8-530	711.2	28	68	25	32	11/4	115	258	360	1300	3000	451.1	936.3	14800	14800	14800	14800	8880	6510	5330				M36-M64
PA7-700-9-530	711.2	28	76	25	11	7/16	130	294	380	1300	3000	511.8	1116.3	19300	19300	19300	19300	11580	8490	6950				M36-M72
PA7-700-10-530	711.2	28	86	30	26	1	140	300	450	1300	3000	603.9	1296.1	26700	26700	26700	26700	16020	11750	9610				M36-M80
PA7-700-11-530	711.2	28	86	35	-10	-3/8	140	360	490	1300	3000	737.2	1601.4	36000	36000	36000	36000	21600	15840	12960				M36-M80
PA7-700-12-530	711.2	28	86	40	-10	-3/8	140	380	510	1400	3000	933.8	2027.4	46050	46050	46050	46050	27630	20260	16580				M36-M80
PA7-700-13-530	711.2	28	86	40	-46	-13/16	140	416	560	1400	3000	1127.6	2204.8	56250	56250	56250	56250	33750	24750	20250				M36-M80
PA7-700-3-560	711.2	28	26	10	-48	-17/8	45	168	200	1100	3000	146.5	327.3	2020	2020	2020	2020	2020	1580	1170				M8-M24
PA7-700-4-560	711.2	28	33	10	-38	-11/2	55	188	250	1100	3000	199.8	412.2	3160	3160	3160	3160	1900	1390	1140				M8-M30
PA7-700-5-560	711.2	28	39	12	-28	-11/8	65	190	260	1100	3000	212.6	490.4	4560	4560	4560	4560	4560	3560	2640				M12-M36
PA7-700-6-560	711.2	28	52	16	-3	-1/8	85	210	300	1200	3000	318.2	652.9	7300	7300	7300	7300	7300	5690	4230				M20-M48
PA7-700-7-560	711.2	28	60	20	12	1/2	100	230	330	1200	3000	406.9	827.2	10680	10680	10680	10680	10680	8330	6190				M24-M56
PA7-700-8-560	711.2	28	68	25	32	11/4	115	270	390	1300	3000	494.0	1011.5	14800	14800	14800	14800	14800	11540	8580				M36-M64
PA7-700-9-560	711.2	28	76	25	11	7/16	130	294	410	1300	3000	570.7	1175.9	19300	19300	19300	19300	19300	15050	11190				M36-M72
PA7-700-10-560	711.2	28	86	30	26	1	140	340	460	1300	3000	680.9	1472.9	26700	26700	26700	26700	26700	20830	15490				M36-M80
PA7-700-11-560	711.2	28	86	35	-10	-3/8	140	360	470	1300	3000	864.3	1827.6	36000	36000	36000	36000	36000	28080	20880				M36-M80
PA7-700-12-560	711.2	28	86	40	-10	-3/8	140	380	540	1400	3000	1022.0	2109.9	46050	46050	46050	46050	46050	35920	26710				M36-M80
PA7-700-13-560	711.2	28	86	40	-46	-13/16	140	430	590	1400	3000	1162.5	2335.4	56250	56250	56250	56250	56250	43880	32630				M36-M80
PA7-700-3-600	711.2	28	26	10	-48	-17/8	45	168	250	1100	3000	190.9	401.6	2020	2020	2020	2020	2020	2020	2020				M8-M24
PA7-700-4-600	711.2	28	33	10	-38	-11/2	55	200	270	1100	3000	236.4	502.5	3160	3160	3160	3160	3160	3160	3160				M8-M30
PA7-700-5-600	711.2	28	39	12	-28	-11/8	65	210	290	1100	3000	293.9	616.8	4560	4560	4560	4560	4560	4560	4560				M12-M36
PA7-700-6-600	711.2	28	52	16	-3	-1/8	85	240	340	1200	3000	396.4	824.8	7300	7300	7300	7300	7300	7300	7300				M20-M48
PA7-700-7-600	711.2	28	60	20	12	1/2	100	280	380	1200	3000	462.5	1066.0	10680	10680	10680	10680	10680	10680	10680				M24-M56
PA7-700-8-600	711.2	28	68	25	32	11/4	115	320	440	1300	3000	637.4	1246.2	14800	14800	14800	14800	14800	14800	14800				M36-M64
PA7-700-9-600	711.2	28	76	25	11	7/16	130	350	470	1300	3000	672.7	1478.0	19300	19300	19300	19300	19300	19300	19300				M36-M72
PA7-700-10-600	711.2	28	86	30	26	1	140	380	480	1300	3000	830.1	1782.2	26700	26700	26700	26700	26700	26700	26700				M36-M80
PA7-700-11-600	711.2	28	86	35	-10	-3/8	140	420	550	1400	3000	1081.5	2094.1	36000	36000	36000	36000	36000	36000	36000				M36-M80
PA7-700-12-600	711.2	28	86	40	-10	-3/8	140	440	560	1400	3000	1251.7	2504.3	46050	46050	46050	46050	46050	46050	46050				M36-M80
PA7-700-13-600	711.2	28	86	40	-46	-13/16	140	490	550	1400	3000	1399.2	2827.2	56250	56250	56250	56250	56250	56250	56250				M36-M80

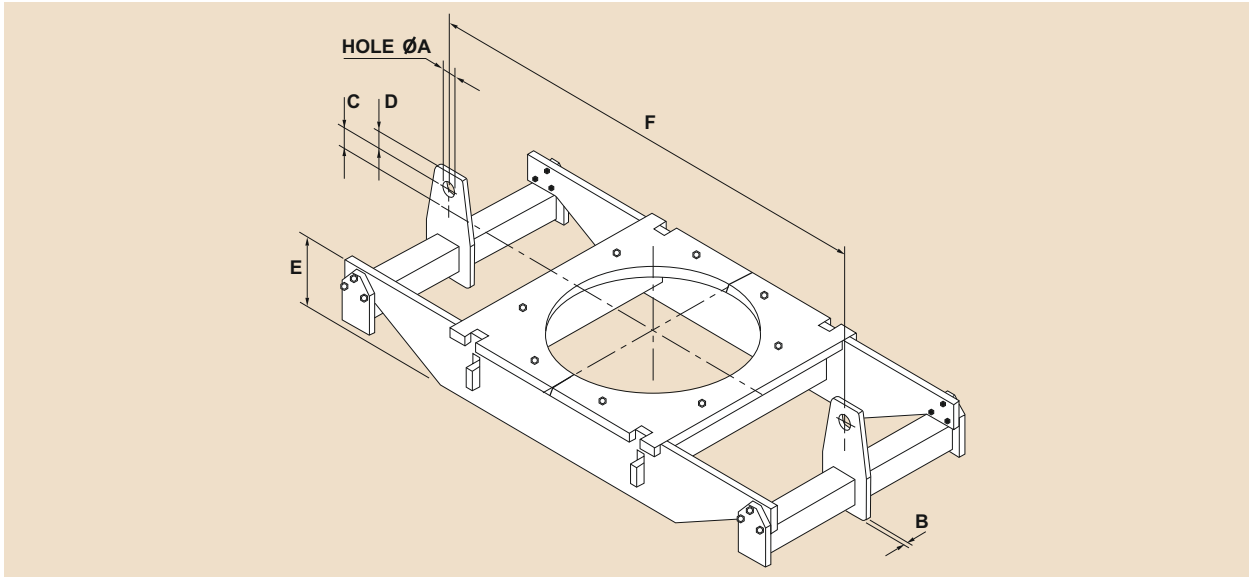
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D	E		F		Weight kg		Load Capacity (kg) at Temperature C								Compatible with Rod Sizes		
	mm	in			mm	mm		mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560		580	600
PA7-750-4-400	762	30	33	10	-38	-1 1/2	55	188	200	1200	3000	170.9	353.0	3160	3160									M8-M30
PA7-750-5-400	762	30	39	12	-28	-1 1/8	65	208	230	1200	3000	236.6	403.1	4560	4560									M12-M36
PA7-750-6-400	762	30	52	16	-3	-1/8	85	208	280	1200	3000	279.3	581.7	7300	7300									M20-M48
PA7-750-7-400	762	30	60	20	12	1/2	100	228	310	1300	3000	371.6	736.1	10680	10680									M24-M56
PA7-750-8-400	762	30	68	25	32	1 1/4	115	258	340	1300	3000	473.6	934.0	14800	14800									M36-M64
PA7-750-9-400	762	30	76	25	11	7/16	130	294	390	1300	3000	537.8	1060.5	19300	19300									M36-M72
PA7-750-10-400	762	30	86	30	26	1	140	294	430	1400	3000	659.0	1313.8	26700	26700									M36-M80
PA7-750-11-400	762	30	86	35	-10	-3/8	140	360	480	1400	3000	788.6	1631.7	36000	36000									M36-M80
PA7-750-12-400	762	30	86	40	-10	-3/8	140	380	500	1400	3000	976.4	2064.5	46050	46050									M36-M80
PA7-750-13-400	762	30	86	40	-46	-1 13/16	140	416	540	1400	3000	1042.1	2216.1	56250	56250									M36-M80
PA7-750-4-490	762	30	33	10	-38	-1 1/2	55	188	200	1200	3000	170.9	353.0	3160	3160	3160	2050	1230	880	760				M8-M30
PA7-750-5-490	762	30	39	12	-28	-1 1/8	65	208	230	1200	3000	208.9	403.1	4560	4560	4560	2960	1780	1280	1090				M12-M36
PA7-750-6-490	762	30	52	16	-3	-1/8	85	208	270	1200	3000	279.3	543.6	7300	7300	7300	4750	2850	2040	1750				M20-M48
PA7-750-7-490	762	30	60	20	12	1/2	100	228	300	1300	3000	371.6	696.4	10680	10680	10680	6940	4170	2990	2560				M24-M56
PA7-750-8-490	762	30	68	25	32	1 1/4	115	258	340	1300	3000	473.6	934.0	14800	14800	14800	9620	5770	4140	3550				M36-M64
PA7-750-9-490	762	30	76	25	11	7/16	130	294	380	1300	3000	537.8	1043.0	19300	19300	19300	12550	7530	5400	4630				M36-M72
PA7-750-10-490	762	30	86	30	26	1	140	294	420	1400	3000	659.0	1294.1	26700	26700	26700	17360	10410	7480	6410				M36-M80
PA7-750-11-490	762	30	86	35	-10	-3/8	140	360	470	1400	3000	788.6	1608.5	36000	36000	36000	23400	14040	10080	8640				M36-M80
PA7-750-12-490	762	30	86	40	-10	-3/8	140	380	490	1400	3000	976.4	2036.3	46050	46050	46050	29930	17960	12890	11050				M36-M80
PA7-750-13-490	762	30	86	40	-46	-1 13/16	140	416	540	1400	3000	1042.1	2216.1	56250	56250	56250	36560	21940	15750	13500				M36-M80
PA7-750-4-530	762	30	33	10	-38	-1 1/2	55	188	210	1200	3000	188.8	363.6	3160	3160	3160	3160	1900	1390	1140				M8-M30
PA7-750-5-530	762	30	39	12	-28	-1 1/8	65	208	230	1200	3000	240.9	489.2	4560	4560	4560	4560	2740	2010	1640				M12-M36
PA7-750-6-530	762	30	52	16	-3	-1/8	85	208	290	1200	3000	307.9	594.6	7300	7300	7300	7300	4380	3210	2630				M20-M48
PA7-750-7-530	762	30	60	20	12	1/2	100	230	330	1300	3000	377.4	767.1	10680	10680	10680	10680	6410	4700	3840				M24-M56
PA7-750-8-530	762	30	68	25	32	1 1/4	115	258	350	1300	3000	488.2	951.5	14800	14800	14800	14800	8880	6510	5330				M36-M64
PA7-750-9-530	762	30	76	25	11	7/16	130	294	400	1300	3000	545.4	1078.8	19300	19300	19300	19300	11580	8490	6950				M36-M72
PA7-750-10-530	762	30	86	30	26	1	140	320	440	1400	3000	735.5	1334.5	26700	26700	26700	26700	16020	11750	9610				M36-M80
PA7-750-11-530	762	30	86	35	-10	-3/8	140	360	490	1400	3000	851.4	1653.8	36000	36000	36000	36000	21600	15840	12960				M36-M80
PA7-750-12-530	762	30	86	40	-10	-3/8	140	380	510	1400	3000	987.4	2091.3	46050	46050	46050	46050	27630	20260	16580				M36-M80
PA7-750-13-530	762	30	86	40	-46	-1 13/16	140	416	550	1400	3000	1191.8	2443.0	56250	56250	56250	56250	33750	24750	20250				M36-M80
PA7-750-4-560	762	30	33	10	-38	-1 1/2	55	188	240	1200	3000	220.6	420.3	3160	3160	3160	3160	3160	2460	1830				M8-M30
PA7-750-5-560	762	30	39	12	-28	-1 1/8	65	208	260	1200	3000	277.6	529.0	4560	4560	4560	4560	4560	3560	2640				M12-M36
PA7-750-6-560	762	30	52	16	-3	-1/8	85	220	290	1200	3000	348.9	661.8	7300	7300	7300	7300	7300	5690	4230				M20-M48
PA7-750-7-560	762	30	60	20	12	1/2	100	240	330	1300	3000	451.9	856.6	10680	10680	10680	10680	10680	8330	6190				M24-M56
PA7-750-8-560	762	30	68	25	32	1 1/4	115	280	390	1300	3000	535.1	1048.4	14800	14800	14800	14800	14800	11540	8580				M36-M64
PA7-750-9-560	762	30	76	25	11	7/16	130	294	410	1300	3000	616.2	1242.0	19300	19300	19300	19300	19300	15050	11190				M36-M72
PA7-750-10-560	762	30	86	30	26	1	140	340	450	1400	3000	753.6	1515.1	26700	26700	26700	26700	26700	20830	15490				M36-M80
PA7-750-11-560	762	30	86	35	-10	-3/8	140	370	470	1400	3000	944.2	1883.6	36000	36000	36000	36000	36000	20800	20880				M36-M80
PA7-750-12-560	762	30	86	40	-10	-3/8	140	380	530	1400	3000	1078.4	2146.4	46050	46050	46050	46050	46050	35920	26710				M36-M80
PA7-750-13-560	762	30	86	40	-46	-1 13/16	140	430	590	1400	3000	1227.2	2408.9	56250	56250	56250	56250	56250	43880	32630				M36-M80
PA7-750-4-600	762	30	33	10	38	-1 1/2	55	188	270	1200	3000	283.3	522.4	3160	3160	3160	3160	3160	3160	3160				M8-M30
PA7-750-5-600	762	30	39	12	-28	-1 1/8	65	220	290	1200	3000	347.1	660.1	4560	4560	4560	4560	4560	4560	4560				M12-M36
PA7-750-6-600	762	30	52	16	-3	-1/8	85	240	340	1200	3000	425.4	879.3	7300	7300	7300	7300	7300	7300	7300				M20-M48
PA7-750-7-600	762	30	60	20	12	1/2	100	300	400	1300	3000	544.4	1032.1	10680	10680	10680	10680	10680	10680	10680				M24-M56
PA7-750-8-600	762	30	68	25	32	1 1/4	115	320	440	1300	3000	681.2	1289.4	14800	14800	14800	14800	14800	14800	14800				M36-M64
PA7-750-9-600	762	30	76	25	11	7/16	130	330	460	1400	3000	780.2	1506.4	19300	19300	19300	19300	19300	19300	19300				M36-M72
PA7-750-10-600	762	30	86	30	26	1	140	390	470	1400	3000	924.2	1824.4	26700	26700	26700	26700	26700	26700	26700				M36-M80
PA7-750-11-600	762	30	86	35	-10	-3/8	140	420	540	1400	3000	1144.3	2131.8	36000	36000	36000	36000	36000	36000	36000				M36-M80
PA7-750-12-600	762	30	86	40	-10	-3/8	140	450	550	1500	3000	1361.1	2545.7	46050	46050	46050	46050	46050	46050	46050				M36-M80
PA7-750-13-600	762	30	86	40	-46	-1 13/16	140	500	540	1500	3000	1521.1	2869.3	56250	56250	56250	56250	56250	56250	56250				M36-M80

PA7 RISER CLAMP FLAT PLATE TYPE

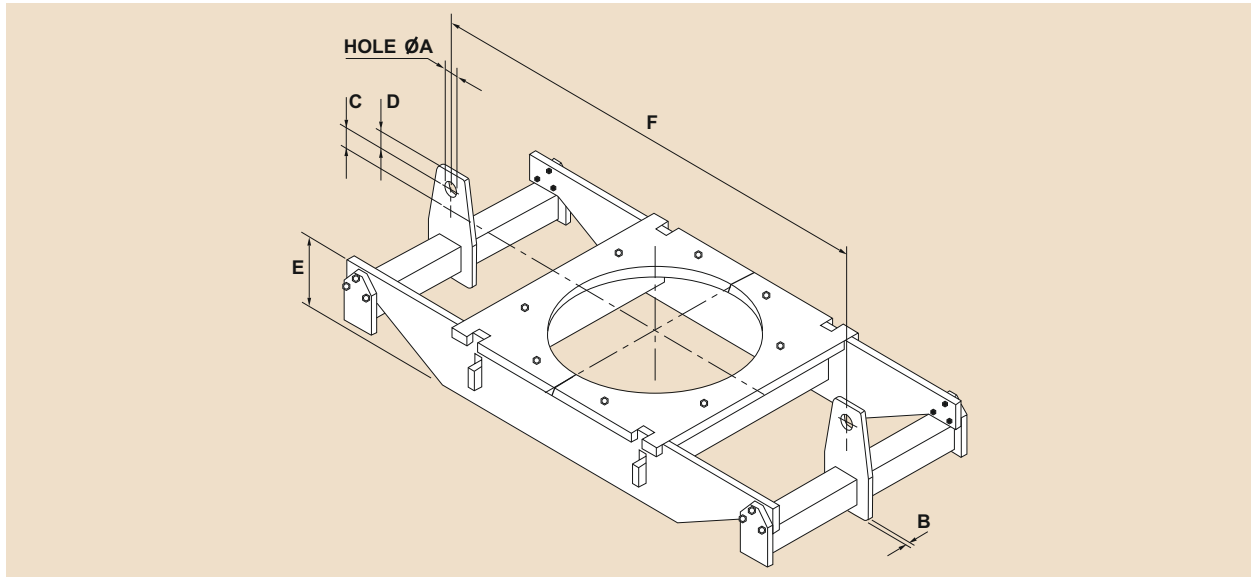


Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A		C		D		E		F		Weight kg		Load Capacity (kg) at Temperature C							Compatible with Rod Sizes
	mm	in	mm	mm	mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	600			
PA7-800-4-400	812.8	32	33	10	-38	-1 1/2	55	188	200	1200	3000	198.8	369.0	3160	3160							M8-M30
PA7-800-5-400	812.8	32	39	12	-28	-1 1/8	65	208	240	1300	3000	259.1	458.4	4560	4560							M12-M36
PA7-800-6-400	812.8	32	52	16	-3	-1/8	85	208	270	1300	3000	330.6	592.9	7300	7300							M20-M48
PA7-800-7-400	812.8	32	60	20	12	1/2	100	228	310	1300	3000	398.3	765.6	10680	10680							M24-M56
PA7-800-8-400	812.8	32	68	25	32	1 1/4	115	258	340	1400	3000	521.3	969.0	14800	14800							M36-M64
PA7-800-9-400	812.8	32	76	25	11	7/16	130	294	380	1400	3000	590.6	1081.9	19300	19300							M36-M72
PA7-800-10-400	812.8	32	86	30	26	1	140	300	420	1400	3000	709.4	1340.4	26700	26700							M36-M80
PA7-800-11-400	812.8	32	86	35	-10	-3/8	140	360	470	1400	3000	845.4	1663.4	36000	36000							M36-M80
PA7-800-12-400	812.8	32	86	40	-10	-3/8	140	380	490	1500	3000	1082.7	2122.8	46050	46050							M36-M80
PA7-800-13-400	812.8	32	86	40	-46	-1 13/16	140	466	540	1600	3000	1378.4	2368.1	56250	56250							M36-M80
PA7-800-4-490	812.8	32	33	10	-38	-1 1/2	55	188	200	1200	3000	198.8	369.0	3160	3160	3160	2050	1230	880	760		M8-M30
PA7-800-5-490	812.8	32	39	12	-28	-1 1/8	65	208	240	1300	3000	259.1	458.4	4560	4560	4560	2960	1780	1280	1090		M12-M36
PA7-800-6-490	812.8	32	52	16	-3	-1/8	85	208	270	1300	3000	330.6	592.9	7300	7300	7300	4750	2850	2040	1750		M20-M48
PA7-800-7-490	812.8	32	60	20	12	1/2	100	228	300	1300	3000	398.3	750.4	10680	10680	10680	6940	4170	2990	2560		M24-M56
PA7-800-8-490	812.8	32	68	25	32	1 1/4	115	258	350	1400	3000	521.3	887.8	14800	14800	14800	9620	5770	4140	3550		M36-M64
PA7-800-9-490	812.8	32	76	25	11	7/16	130	294	380	1400	3000	582.5	1081.9	19300	19300	19300	12550	7530	5400	4630		M36-M72
PA7-800-10-490	812.8	32	86	30	26	1	140	300	420	1400	3000	709.4	1340.4	26700	26700	26700	17360	10410	7480	6410		M36-M80
PA7-800-11-490	812.8	32	86	35	-10	-3/8	140	360	460	1400	3000	845.4	1641.1	36000	36000	36000	23400	14040	10080	8640		M36-M80
PA7-800-12-490	812.8	32	86	40	-10	-3/8	140	380	490	1500	3000	1082.7	2122.8	46050	46050	46050	29930	17960	12890	11050		M36-M80
PA7-800-13-490	812.8	32	86	40	-46	-1 13/16	140	466	530	1600	3000	1291.5	2339.3	56250	56250	56250	36560	21940	15750	13500		M36-M80
PA7-800-4-530	812.8	32	33	10	-38	-1 1/2	55	188	210	1200	3000	203.6	379.7	3160	3160	3160	1900	1390	1390	1140		M8-M30
PA7-800-5-530	812.8	32	39	12	-28	-1 1/8	65	208	250	1300	3000	268.7	469.2	4560	4560	4560	4560	2740	2010	1640		M12-M36
PA7-800-6-530	812.8	32	52	16	-3	-1/8	85	208	290	1300	3000	342.6	619.5	7300	7300	7300	7300	4380	3210	2630		M20-M48
PA7-800-7-530	812.8	32	60	20	12	1/2	100	240	320	1300	3000	410.5	781.6	10680	10680	10680	10680	6410	4700	3840		M24-M56
PA7-800-8-530	812.8	32	68	25	32	1 1/4	115	258	350	1400	3000	528.8	986.7	14800	14800	14800	14800	8880	6510	5330		M36-M64
PA7-800-9-530	812.8	32	76	25	11	7/16	130	294	400	1400	3000	598.1	1118.1	19300	19300	19300	19300	11580	8490	6950		M36-M72
PA7-800-10-530	812.8	32	86	30	26	1	140	330	450	1400	3000	792.0	1461.0	26700	26700	26700	26700	16020	11750	9610		M36-M80
PA7-800-11-530	812.8	32	86	35	-10	-3/8	140	360	480	1500	3000	927.8	1686.8	36000	36000	36000	36000	21600	15840	12960		M36-M80
PA7-800-12-530	812.8	32	86	40	-10	-3/8	140	390	500	1500	3000	1093.5	2151.3	46050	46050	46050	46050	27630	20260	16580		M36-M80
PA7-800-13-530	812.8	32	86	40	-46	-1 13/16	140	466	550	1600	3000	1392.4	2458.0	56250	56250	56250	56250	33750	24750	20250		M36-M80
PA7-800-4-560	812.8	32	33	10	-38	-1 1/2	55	188	240	1200	3000	243.0	439.9	3160	3160	3160	3160	3160	2460	1830		M8-M30
PA7-800-5-560	812.8	32	39	12	-28	-1 1/8	65	208	250	1300	3000	304.4	536.8	4560	4560	4560	4560	4560	3560	2640		M12-M36
PA7-800-6-560	812.8	32	52	16	-3	-1/8	85	220	290	1300	3000	381.6	687.5	7300	7300	7300	7300	7300	5690	4230		M20-M48
PA7-800-7-560	812.8	32	60	20	12	1/2	100	240	350	1300	3000	482.9	855.9	10680	10680	10680	10680	10680	8330	6190		M24-M56
PA7-800-8-560	812.8	32	68	25	32	1 1/4	115	280	380	1400	3000	580.3	1069.9	14800	14800	14800	14800	14800	11540	8580		M36-M64
PA7-800-9-560	812.8	32	76	25	11	7/16	130	300	400	1400	3000	677.0	1266.6	19300	19300	19300	19300	19300	15050	11190		M36-M72
PA7-800-10-560	812.8	32	86	30	26	1	140	350	450	1400	3000	810.3	1569.7	26700	26700	26700	26700	26700	20830	15490		M36-M80
PA7-800-11-560	812.8	32	86	35	-10	-3/8	140	380	460	1500	3000	1029.5	1914.2	36000	36000	36000	36000	36000	28080	20880		M36-M80
PA7-800-12-560	812.8	32	86	40	-10	-3/8	140	400	520	1500	3000	1263.5	2206.8	46050	46050	46050	46050	46050	35920	26710		M36-M80
PA7-800-13-560	812.8	32	86	40	-46	-1 13/16	140	466	580	1600	3000	1419.3	2543.1	56250	56250	56250	56250	56250	43880	32630		M36-M80
PA7-800-4-600	812.8	32	33	10	-38	-1 1/2	55	188	260	1300	3000	310.7	530.3	3160	3160	3160	3160	3160	3160	3160		M8-M30
PA7-800-5-600	812.8	32	39	12	-28	-1 1/8	65	220	290	1300	3000	379.9	685.7	4560	4560	4560	4560	4560	4560	4560		M12-M36
PA7-800-6-600	812.8	32	52	16	-3	-1/8	85	250	330	1300	3000	471.5	895.1	7300	7300	7300	7300	7300	7300	7300		M20-M48
PA7-800-7-600	812.8	32	60	20	12	1/2	100	270	400	1300	3000	569.1	1070.7	10680	10680	10680	10680	10680	10680	10680		M24-M56
PA7-800-8-600	812.8	32	68	25	32	1 1/4	115	330	430	1400	3000	749.3	1313.5	14800	14800	14800	14800	14800	14800	14800		M36-M64
PA7-800-9-600	812.8	32	76	25	11	7/16	130	340	460	1400	3000	838.8	1559.6	19300	19300	19300	19300	19300	19300	19300		M36-M72
PA7-800-10-600	812.8	32	86	30	26	1	140	400	460	1400	3000	991.9	1855.3	26700	26700	26700	26700	26700	26700	26700		M36-M80
PA7-800-11-600	812.8	32	86	35	-10	-3/8	140	430	540	1500	3000	1244.6	2197.8	36000	36000	36000	36000	36000	36000	36000		M36-M80
PA7-800-12-600	812.8	32	86	40	-10	-3/8	140	450	540	1500	3000	1456.7	2612.8	46050	46050	46050	46050	46050	46050	46050		M36-M80
PA7-800-13-600	812.8	32	86	40	-46	-1 13/16	140	466	600	1600	3000	1776.0	2990.4	56250	56250	56250	56250	56250	56250	56250		M36-M80



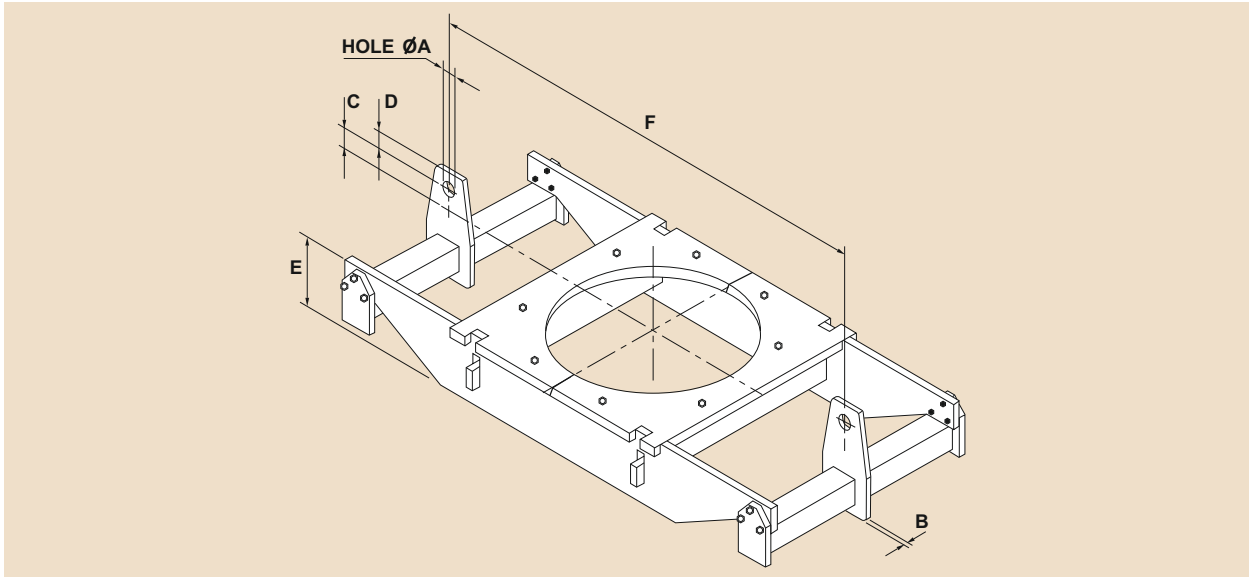
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A		C		D		E		F		Weight kg		Load Capacity (kg) at Temperature C							Compatible with Rod Sizes
	mm	in	mm	mm	mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600		
PA7-850-4-400	863.6	34	33	10	-38	-1 1/2	55	188	200	1300	3000	221.6	385.0	3160	3160							M8-M30
PA7-850-5-400	863.6	34	39	12	-28	-1 1/8	65	208	240	1300	3000	282.4	478.5	4560	4560							M12-M36
PA7-850-6-400	863.6	34	52	16	-3	-1/8	85	208	270	1300	3000	359.1	617.4	7300	7300							M20-M48
PA7-850-7-400	863.6	34	60	20	12	1/2	100	230	300	1400	3000	437.6	780.0	10680	10680							M24-M56
PA7-850-8-400	863.6	34	68	25	32	1 1/4	115	258	350	1400	3000	552.8	921.9	14800	14800							M36-M64
PA7-850-9-400	863.6	34	76	25	11	7/16	130	294	380	1500	3000	648.9	1134.6	19300	19300							M36-M72
PA7-850-10-400	863.6	34	86	30	26	1	140	300	420	1500	3000	763.2	1386.8	26700	26700							M36-M80
PA7-850-11-400	863.6	34	86	35	-10	-3/8	140	380	470	1500	3000	1005.7	1751.1	36000	36000							M36-M80
PA7-850-12-400	863.6	34	86	40	-10	-3/8	140	390	490	1500	3000	1152.3	2190.0	46050	46050							M36-M80
PA7-850-13-400	863.6	34	86	40	-46	-1 13/16	140	466	540	1600	3000	1446.3	2506.1	56250	56250							M36-M80
PA7-850-4-490	863.6	34	33	10	-38	-1 1/2	55	188	190	1300	3000	221.6	373.6	3160	3160	3160	2050	1230	880	760		M8-M30
PA7-850-5-490	863.6	34	39	12	-28	-1 1/8	65	208	230	1300	3000	282.4	467.1	4560	4560	4560	2960	1780	1280	1090		M12-M36
PA7-850-6-490	863.6	34	52	16	-3	-1/8	85	208	270	1300	3000	359.1	617.4	7300	7300	7300	4750	2850	2040	1750		M20-M48
PA7-850-7-490	863.6	34	60	20	12	1/2	100	230	300	1400	3000	437.6	780.0	10680	10680	10680	6940	4170	2990	2560		M24-M56
PA7-850-8-490	863.6	34	68	25	32	1 1/4	115	258	350	1400	3000	552.8	921.9	14800	14800	14800	9620	5770	4140	3550		M36-M64
PA7-850-9-490	863.6	34	76	25	11	7/16	130	294	380	1500	3000	648.9	1134.6	19300	19300	19300	12550	7530	5400	4630		M36-M72
PA7-850-10-490	863.6	34	86	30	26	1	140	300	420	1500	3000	763.2	1386.8	26700	26700	26700	17360	10410	7480	6410		M36-M80
PA7-850-11-490	863.6	34	86	35	-10	-3/8	140	380	460	1500	3000	993.8	1728.5	36000	36000	36000	23400	14040	10080	8640		M36-M80
PA7-850-12-490	863.6	34	86	40	-10	-3/8	140	380	480	1500	3000	1141.4	2162.8	46050	46050	46050	29930	17960	12890	11050		M36-M80
PA7-850-13-490	863.6	34	86	40	-46	-1 13/16	140	466	530	1600	3000	1352.4	2047.7	56250	56250	56250	56250	21940	15750	13500		M36-M80
PA7-850-4-530	863.6	34	33	10	-38	-1 1/2	55	188	210	1300	3000	226.2	395.8	3160	3160	3160	3160	1900	1390	1140		M8-M30
PA7-850-5-530	863.6	34	39	12	-28	-1 1/8	65	208	250	1300	3000	287.5	489.4	4560	4560	4560	4560	2740	2010	1640		M12-M36
PA7-850-6-530	863.6	34	52	16	-3	-1/8	85	208	290	1300	3000	365.5	644.2	7300	7300	7300	7300	4380	3210	2630		M20-M48
PA7-850-7-530	863.6	34	60	20	12	1/2	100	240	320	1400	3000	444.3	811.5	10680	10680	10680	10680	6410	4700	3840		M24-M56
PA7-850-8-530	863.6	34	68	25	32	1 1/4	115	260	350	1400	3000	568.7	1022.0	14800	14800	14800	14800	8880	6510	5330		M36-M64
PA7-850-9-530	863.6	34	76	25	11	7/16	130	300	400	1500	3000	665.5	1171.1	19300	19300	19300	19300	11580	8490	6950		M36-M72
PA7-850-10-530	863.6	34	86	30	26	1	140	340	440	1500	3000	864.0	1494.5	26700	26700	26700	26700	16020	11750	9610		M36-M80
PA7-850-11-530	863.6	34	86	35	-10	-3/8	140	380	480	1500	3000	1016.6	1774.9	36000	36000	36000	36000	21600	15840	12960		M36-M80
PA7-850-12-530	863.6	34	86	40	-10	-3/8	140	400	500	1500	3000	1164.2	2218.8	46050	46050	46050	46050	27630	20260	16580		M36-M80
PA7-850-13-530	863.6	34	86	40	-46	-1 13/16	140	466	550	1600	3000	1460.5	2533.7	56250	56250	56250	56250	33750	24750	20250		M36-M80
PA7-850-4-560	863.6	34	33	10	-38	-1 1/2	55	188	240	1300	3000	265.1	459.4	3160	3160	3160	3160	3160	3160	2460	1830	M8-M30
PA7-850-5-560	863.6	34	39	12	-28	-1 1/8	65	208	250	1300	3000	321.4	557.9	4560	4560	4560	4560	4560	4560	3560	2640	M12-M36
PA7-850-6-560	863.6	34	52	16	-3	-1/8	85	230	290	1300	3000	413.7	713.3	7300	7300	7300	7300	7300	7300	5690	4230	M20-M48
PA7-850-7-560	863.6	34	60	20	12	1/2	100	250	350	1400	3000	529.7	889.4	10680	10680	10680	10680	10680	8330	6190		M24-M56
PA7-850-8-560	863.6	34	68	25	32	1 1/4	115	290	380	1400	3000	623.1	1109.1	14800	14800	14800	14800	14800	11540	8580		M36-M64
PA7-850-9-560	863.6	34	76	25	11	7/16	130	300	400	1500	3000	742.6	1324.7	19300	19300	19300	19300	19300	19300	15050	11190	M36-M72
PA7-850-10-560	863.6	34	86	30	26	1	140	330	450	1500	3000	925.8	1624.4	26700	26700	26700	26700	26700	20830	15490		M36-M80
PA7-850-11-560	863.6	34	86	35	-10	-3/8	140	390	470	1500	3000	1125.9	2106.7	36000	36000	36000	36000	36000	36000	20800	20880	M36-M80
PA7-850-12-560	863.6	34	86	40	-10	-3/8	140	410	520	1600	3000	1365.3	2274.9	46050	46050	46050	46050	46050	35920	26710		M36-M80
PA7-850-13-560	863.6	34	86	40	-46	-1 13/16	140	466	570	1600	3000	1501.0	2590.5	56250	56250	56250	56250	56250	43880	32630		M36-M80
PA7-850-4-600	863.6	34	33	10	-38	-1 1/2	55	190	270	1300	3000	338.4	594.8	3160	3160	3160	3160	3160	3160	3160		M8-M30
PA7-850-5-600	863.6	34	39	12	-28	-1 1/8	65	230	280	1300	3000	411.9	696.3	4560	4560	4560	4560	4560	4560	4560		M12-M36
PA7-850-6-600	863.6	34	52	16	-3	-1/8	85	260	330	1400	3000	519.0	929.1	7300	7300	7300	7300	7300	7300	7300		M20-M48
PA7-850-7-600	863.6	34	60	20	12	1/2	100	280	400	1400	3000	625.4	1109.6	10680	10680	10680	10680	10680	10680	10680		M24-M56
PA7-850-8-600	863.6	34	68	25	32	1 1/4	115	340	430	1500	3000	819.7	1358.5	14800	14800	14800	14800	14800	14800	14800		M36-M64
PA7-850-9-600	863.6	34	76	25	11	7/16	130	350	450	1500	3000	927.4	1603.3	19300	19300	19300	19300	19300	19300	19300		M36-M72
PA7-850-10-600	863.6	34	86	30	26	1	140	380	470	1500	3000	1135.3	2009.7	26700	26700	26700	26700	26700	26700	26700		M36-M80
PA7-850-11-600	863.6	34	86	35	-10	-3/8	140	440	540	1600	3000	1379.5	2372.9	36000	36000	36000	36000	36000	36000	36000		M36-M80
PA7-850-12-600	863.6	34	86	40	-10	-3/8	140	460	600	1600	3000	1575.1	2568.4	46050	46050	46050	46050	46050	46050	46050		M36-M80
PA7-850-13-600	863.6	34	86	40	-46	-1 13/16	140	466	600	1700	3000	1925.4	3076.1	56250	56250	56250	56250	56250	56250	56250		M36-M80

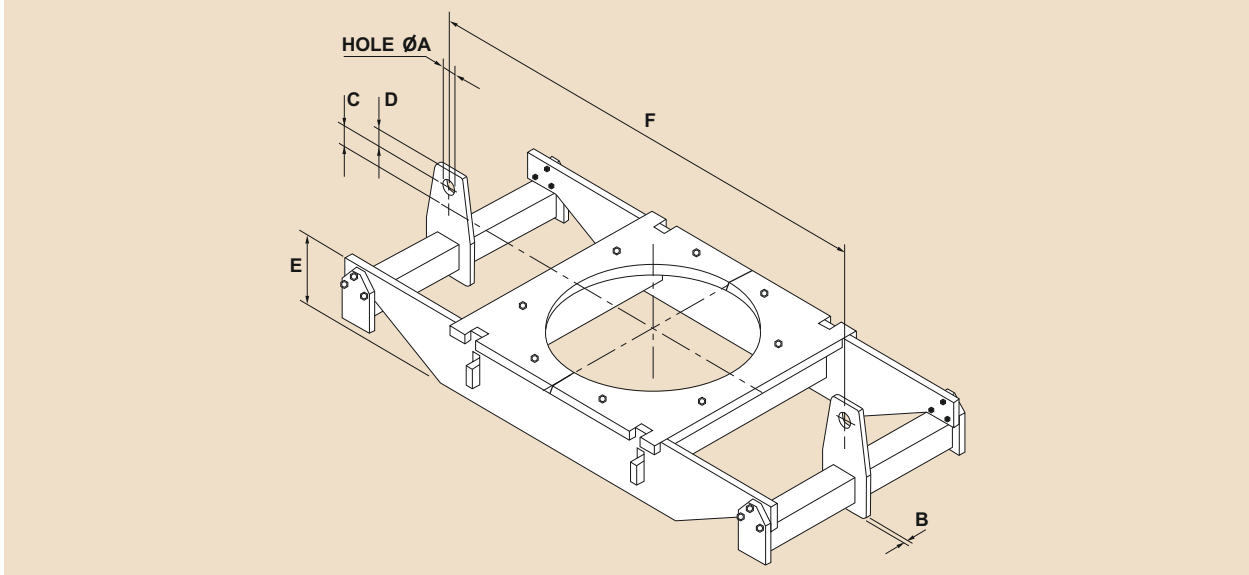
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C	D	E		F		Weight kg		Load Capacity (kg) at Temperature C							Compatible with Rod Sizes					
	mm	in					Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600						
	mm	mm					mm	in	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm				
PA7-900-4-400	914.4	36	33	10	-38	-1 1/2	55	188	190	1400	3000	241.2	391.0	3160	3160										M8-M30
PA7-900-5-400	914.4	36	39	12	-28	-1 1/8	65	208	230	1400	3000	307.1	489.1	4560	4560										M12-M36
PA7-900-6-400	914.4	36	52	16	-3	-1/8	85	208	270	1400	3000	389.7	644.3	7300	7300										M20-M48
PA7-900-7-400	914.4	36	60	20	12	1/2	100	240	300	1400	3000	473.8	811.5	10680	10680										M24-M56
PA7-900-8-400	914.4	36	68	25	32	1 1/4	115	258	350	1500	3000	603.9	958.3	14800	14800										M36-M64
PA7-900-9-400	914.4	36	76	25	11	7/16	130	294	380	1500	3000	696.4	1177.6	19300	19300										M36-M72
PA7-900-10-400	914.4	36	86	30	26	1	140	324	420	1600	3000	849.3	1463.7	26700	26700										M36-M80
PA7-900-11-400	914.4	36	86	35	-10	-3/8	140	380	460	1600	3000	1076.1	1787.4	36000	36000										M36-M80
PA7-900-12-400	914.4	36	86	40	-10	-3/8	140	400	480	1600	3000	1246.8	2234.0	46050	46050										M36-M80
PA7-900-13-400	914.4	36	86	40	-46	-1 13/16	140	466	540	1700	3000	1555.5	2586.0	56250	56250										M36-M80
PA7-900-4-490	914.4	36	33	10	-38	-1 1/2	55	188	190	1400	3000	241.2	391.0	3160	3160	3160	2050	1230	880	760					M8-M30
PA7-900-5-490	914.4	36	39	12	-28	-1 1/8	65	208	230	1400	3000	307.1	489.1	4560	4560	4560	2960	1780	1280	1090					M12-M36
PA7-900-6-490	914.4	36	52	16	-3	-1/8	85	208	270	1400	3000	389.7	644.3	7300	7300	7300	4750	2850	2040	1750					M20-M48
PA7-900-7-490	914.4	36	60	20	12	1/2	100	230	300	1400	3000	466.9	811.5	10680	10680	10680	6940	4170	2990	2560					M24-M56
PA7-900-8-490	914.4	36	68	25	32	1 1/4	115	258	350	1500	3000	603.9	958.3	14800	14800	14800	9620	5770	4140	3550					M36-M64
PA7-900-9-490	914.4	36	76	25	11	7/16	130	294	370	1500	3000	696.4	1158.7	19300	19300	19300	12550	7530	5400	4630					M36-M72
PA7-900-10-490	914.4	36	86	30	26	1	140	324	410	1600	3000	849.3	1442.2	26700	26700	26700	17360	10410	7480	6410					M36-M80
PA7-900-11-490	914.4	36	86	35	-10	-3/8	140	380	460	1600	3000	1076.1	1787.4	36000	36000	36000	23400	14040	10080	8640					M36-M80
PA7-900-12-490	914.4	36	86	40	-10	-3/8	140	390	480	1600	3000	1234.3	2234.0	46050	46050	46050	29930	17960	12890	11050					M36-M80
PA7-900-13-490	914.4	36	86	40	-46	-1 13/16	140	466	530	1700	3000	1555.5	2556.9	56250	56250	56250	36560	21940	15750	13500					M36-M80
PA7-900-4-530	914.4	36	33	10	-38	-1 1/2	55	188	210	1400	3000	246.1	413.4	3160	3160	3160	3160	1900	1390	1140					M8-M30
PA7-900-5-530	914.4	36	39	12	-28	-1 1/8	65	208	250	1400	3000	312.5	511.6	4560	4560	4560	4560	2740	2010	1640					M12-M36
PA7-900-6-530	914.4	36	52	16	-3	-1/8	85	208	280	1400	3000	396.6	658.2	7300	7300	7300	7300	4380	3210	2630					M20-M48
PA7-900-7-530	914.4	36	60	20	12	1/2	100	250	310	1400	3000	480.1	827.0	10680	10680	10680	10680	6410	4700	3840					M24-M56
PA7-900-8-530	914.4	36	68	25	32	1 1/4	115	270	340	1500	3000	620.8	1042.3	14800	14800	14800	14800	8880	6510	5330					M36-M64
PA7-900-9-530	914.4	36	76	25	11	7/16	130	294	390	1500	3000	731.8	1195.5	19300	19300	19300	19300	11580	8490	6950					M36-M72
PA7-900-10-530	914.4	36	86	30	26	1	140	340	440	1600	3000	949.8	1579.3	26700	26700	26700	26700	16020	11750	9610					M36-M80
PA7-900-11-530	914.4	36	86	35	-10	-3/8	140	380	470	1600	3000	1100.2	1810.2	36000	36000	36000	36000	21600	15840	12960					M36-M80
PA7-900-12-530	914.4	36	86	40	-10	-3/8	140	380	490	1600	3000	1323.6	2261.5	46050	46050	46050	46050	27630	20260	16580					M36-M80
PA7-900-13-530	914.4	36	86	40	-46	-1 13/16	140	466	540	1700	3000	1569.3	2586.4	56250	56250	56250	56250	33750	24750	20250					M36-M80
PA7-900-4-560	914.4	36	33	10	-38	-1 1/2	55	188	230	1400	3000	294.4	469.3	3160	3160	3160	3160	3160	2460	1830					M8-M30
PA7-900-5-560	914.4	36	39	12	-28	-1 1/8	65	208	250	1400	3000	381.7	581.0	4560	4560	4560	4560	4560	3560	2640					M12-M36
PA7-900-6-560	914.4	36	52	16	-3	-1/8	85	240	290	1400	3000	456.2	775.3	7300	7300	7300	7300	7300	5690	4230					M20-M48
PA7-900-7-560	914.4	36	60	20	12	1/2	100	250	350	1500	3000	572.6	925.2	10680	10680	10680	10680	10680	8330	6190					M24-M56
PA7-900-8-560	914.4	36	68	25	32	1 1/4	115	300	370	1500	3000	680.9	1132.5	14800	14800	14800	14800	14800	11540	8580					M36-M64
PA7-900-9-560	914.4	36	76	25	11	7/16	130	310	390	1500	3000	795.4	1351.5	19300	19300	19300	19300	19300	15050	11190					M36-M72
PA7-900-10-560	914.4	36	86	30	26	1	140	340	440	1600	3000	1030.6	1688.7	26700	26700	26700	26700	26700	20830	15490					M36-M80
PA7-900-11-560	914.4	36	86	35	-10	-3/8	140	400	460	1600	3000	1219.2	2149.0	36000	36000	36000	36000	36000	28080	20880					M36-M80
PA7-900-12-560	914.4	36	86	40	-10	-3/8	140	420	510	1600	3000	1451.8	2318.1	46050	46050	46050	46050	46050	35920	26710					M36-M80
PA7-900-13-560	914.4	36	86	40	-46	-1 13/16	140	466	570	1700	3000	1645.2	2671.5	56250	56250	56250	56250	56250	43880	32630					M36-M80
PA7-900-4-600	914.4	36	33	10	-38	-1 1/2	55	190	260	1400	3000	368.4	607.8	3160	3160	3160	3160	3160	3160	3160					M8-M30
PA7-900-5-600	914.4	36	39	12	-28	-1 1/8	65	230	280	1400	3000	447.6	723.7	4560	4560	4560	4560	4560	4560	4560					M12-M36
PA7-900-6-600	914.4	36	52	16	-3	-1/8	85	260	350	1400	3000	552.9	904.8	7300	7300	7300	7300	7300	7300	7300					M20-M48
PA7-900-7-600	914.4	36	60	20	12	1/2	100	290	390	1500	3000	718.9	1132.9	10680	10680	10680	10680	10680	10680	10680					M24-M56
PA7-900-8-600	914.4	36	68	25	32	1 1/4	115	350	420	1500	3000	879.3	1386.3	14800	14800	14800	14800	14800	14800	14800					M36-M64
PA7-900-9-600	914.4	36	76	25	11	7/16	130	350	450	1500	3000	980.6	1660.7	19300	19300	19300	19300	19300	19300	19300					M36-M72
PA7-900-10-600	914.4	36	86	30	26	1	140	380	460	1600	3000	1245.3	2087.5	26700	26700	26700	26700	26700	26700	26700					M36-M80
PA7-900-11-600	914.4	36	86	35	-10	-3/8	140	450	540	1600	3000	1464.3	2451.9	36000	36000	36000	36000	36000	36000	36000					M36-M80
PA7-900-12-600	914.4	36	86	40	-10	-3/8	140	470	600	1600	3000	1671.4	2726.7	46050	46050	46050	46050	46050	46050	46050					M36-M80
PA7-900-13-600	914.4	36	86	40	-46	-1 13/16	140	466	590	1700	3000	1990.7	3135.0	56250	56250	56250	56250	56250	56250	56250					M36-M80

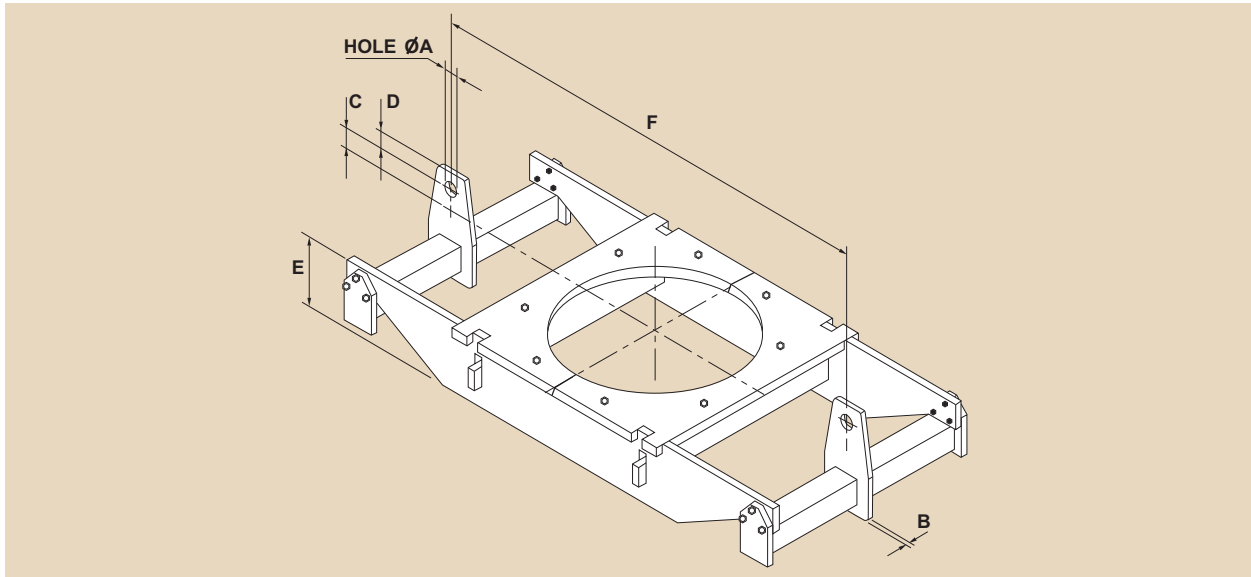
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D		E		F		Weight kg		Load Capacity (kg) at Temperature C							Compatible with Rod Sizes			
	mm	in			mm	in	mm	in	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560	580	600				
PA7-950-4-400	965.2	38	33	10	-38	-1 1/2	55	188	190	1400	3000	258.2	409.1	3160	3160									M8-M30	
PA7-950-5-400	965.2	38	39	12	-28	-1 1/8	65	208	230	1400	3000	334.2	512.0	4560	4560									M12-M36	
PA7-950-6-400	965.2	38	52	16	-3	-1/8	85	228	260	1500	3000	443.6	675.7	7300	7300									M20-M48	
PA7-950-7-400	965.2	38	60	20	12	1/2	100	258	300	1500	3000	536.3	873.3	10680	10680									M24-M56	
PA7-950-8-400	965.2	38	68	25	32	1 1/4	115	260	350	1600	3000	658.3	996.7	14800	14800									M36-M64	
PA7-950-9-400	965.2	38	76	25	11	7/16	130	300	370	1600	3000	757.1	1202.7	19300	19300									M36-M72	
PA7-950-10-400	965.2	38	86	30	26	1	140	324	410	1600	3000	907.1	1493.8	26700	26700									M36-M80	
PA7-950-11-400	965.2	38	86	35	-10	-3/8	140	380	460	1700	3000	1160.2	1849.3	36000	36000									M36-M80	
PA7-950-12-400	965.2	38	86	40	-10	-3/8	140	380	480	1700	3000	1411.9	2308.8	46050	46050									M36-M80	
PA7-950-13-400	965.2	38	86	40	-46	-1 3/16	140	466	530	1700	3000	1646.2	2641.0	56250	56250									M36-M80	
PA7-950-4-490	965.2	38	33	10	-38	-1 1/2	55	188	190	1400	3000	258.2	409.1	3160	3160	3160	2050	1230	880	760				M8-M30	
PA7-950-5-490	965.2	38	39	12	-28	-1 1/8	65	208	230	1400	3000	328.7	512.0	4560	4560	4560	2960	1780	1280	1090				M12-M36	
PA7-950-6-490	965.2	38	52	16	-3	-1/8	85	228	260	1500	3000	443.6	675.7	7300	7300	7300	4750	2850	2040	1750				M20-M48	
PA7-950-7-490	965.2	38	60	20	12	1/2	100	258	290	1500	3000	536.3	856.6	10680	10680	10680	6940	4170	2990	2560				M24-M56	
PA7-950-8-490	965.2	38	68	25	32	1 1/4	115	260	340	1600	3000	658.3	980.9	14800	14800	14800	9620	5770	4140	3550				M36-M64	
PA7-950-9-490	965.2	38	76	25	11	7/16	130	294	370	1600	3000	747.8	1202.7	19300	19300	19300	12550	7530	5400	4630				M36-M72	
PA7-950-10-490	965.2	38	86	30	26	1	140	324	410	1600	3000	907.1	1493.8	26700	26700	26700	17360	10410	7480	6410				M36-M80	
PA7-950-11-490	965.2	38	86	35	-10	-3/8	140	380	450	1700	3000	1160.2	1825.0	36000	36000	36000	23400	14040	10080	8640				M36-M80	
PA7-950-12-490	965.2	38	86	40	-10	-3/8	140	400	470	1700	3000	1331.2	2279.4	46050	46050	46050	29930	17960	12890	11050				M36-M80	
PA7-950-13-490	965.2	38	86	40	-46	-1 3/16	140	466	530	1700	3000	1632.2	2641.0	56250	56250	56250	36560	21940	15750	13500				M36-M80	
PA7-950-4-530	965.2	38	33	10	-38	-1 1/2	55	188	200	1400	3000	263.2	420.7	3160	3160	3160	3160	1900	1390	1140				M8-M30	
PA7-950-5-530	965.2	38	39	12	-28	-1 1/8	65	208	240	1400	3000	339.3	523.7	4560	4560	4560	4560	2740	2010	1640				M12-M36	
PA7-950-6-530	965.2	38	52	16	-3	-1/8	85	228	280	1500	3000	450.3	703.2	7300	7300	7300	7300	4380	3210	2630				M20-M48	
PA7-950-7-530	965.2	38	60	20	12	1/2	100	258	310	1600	3000	588.4	889.0	10680	10680	10680	10680	6410	4700	3940				M24-M56	
PA7-950-8-530	965.2	38	68	25	32	1 1/4	115	270	340	1600	3000	666.8	1081.3	14800	14800	14800	14800	8880	6510	5330				M36-M64	
PA7-950-9-530	965.2	38	76	25	11	7/16	130	294	380	1600	3000	785.2	1221.8	19300	19300	19300	19300	11580	8490	6950				M36-M72	
PA7-950-10-530	965.2	38	86	30	26	1	140	350	430	1600	3000	1014.6	1617.5	26700	26700	26700	26700	16020	11750	9610				M36-M80	
PA7-950-11-530	965.2	38	86	35	-10	-3/8	140	380	470	1700	3000	1277.1	1872.3	36000	36000	36000	36000	21600	15840	12960				M36-M80	
PA7-950-12-530	965.2	38	86	40	-10	-3/8	140	390	480	1700	3000	1425.6	2308.8	46050	46050	46050	46050	27630	20260	16580				M36-M80	
PA7-950-13-530	965.2	38	86	40	-46	-1 3/16	140	466	540	1700	3000	1661.4	2670.7	56250	56250	56250	56250	33750	24750	20250				M36-M80	
PA7-950-4-560	965.2	38	33	10	-38	-1 1/2	55	188	230	1400	3000	315.4	491.5	3160	3160	3160	3160	1900	1390	1140				M8-M30	
PA7-950-5-560	965.2	38	39	12	-28	-1 1/8	65	208	240	1500	3000	419.7	591.7	4560	4560	4560	4560	4560	4560	3560	2640				M12-M36
PA7-950-6-560	965.2	38	52	16	-3	-1/8	85	240	280	1500	3000	508.8	809.7	7300	7300	7300	7300	7300	5690	4230				M20-M48	
PA7-950-7-560	965.2	38	60	20	12	1/2	100	260	340	1600	3000	653.6	976.3	10680	10680	10680	10680	10680	8330	6190				M24-M56	
PA7-950-8-560	965.2	38	68	25	32	1 1/4	115	300	370	1600	3000	732.1	1175.7	14800	14800	14800	14800	14800	11540	8580				M36-M64	
PA7-950-9-560	965.2	38	76	25	11	7/16	130	320	390	1600	3000	865.1	1401.9	19300	19300	19300	19300	19300	15050	11190				M36-M72	
PA7-950-10-560	965.2	38	86	30	26	1	140	340	430	1600	3000	1086.0	1725.5	26700	26700	26700	26700	26700	20830	15490				M36-M80	
PA7-950-11-560	965.2	38	86	35	-10	-3/8	140	400	500	1700	3000	1302.4	2025.3	36000	36000	36000	36000	36000	28080	20880				M36-M80	
PA7-950-12-560	965.2	38	86	40	-10	-3/8	140	430	500	1700	3000	1564.4	2365.9	46050	46050	46050	46050	46050	35920	26710				M36-M80	
PA7-950-13-560	965.2	38	86	40	-46	-1 3/16	140	466	560	1700	3000	1740.1	2728.5	56250	56250	56250	56250	56250	43880	32630				M36-M80	
PA7-950-4-600	965.2	38	33	10	-38	-1 1/2	55	200	260	1400	3000	400.8	635.0	3160	3160	3160	3160	3160	3160	3160	3160	3160			M8-M30
PA7-950-5-600	965.2	38	39	12	-28	-1 1/8	65	240	270	1500	3000	502.0	736.1	4560	4560	4560	4560	4560	4560	4560	4560				M12-M36
PA7-950-6-600	965.2	38	52	16	-3	-1/8	85	260	350	1500	3000	614.2	960.0	7300	7300	7300	7300	7300	7300	7300	7300				M20-M48
PA7-950-7-600	965.2	38	60	20	12	1/2	100	290	380	1600	3000	803.5	1190.1	10680	10680	10680	10680	10680	10680	10680				M24-M56	
PA7-950-8-600	965.2	38	68	25	32	1 1/4	115	350	410	1600	3000	947.0	1415.0	14800	14800	14800	14800	14800	14800	14800				M36-M64	
PA7-950-9-600	965.2	38	76	25	11	7/16	130	360	440	1600	3000	1064.4	1698.4	19300	19300	19300	19300	19300	19300	19300				M36-M72	
PA7-950-10-600	965.2	38	86	30	26	1	140	390	460	1700	3000	1345.5	2160.1	26700	26700	26700	26700	26700	26700	26700				M36-M80	
PA7-950-11-600	965.2	38	86	35	-10	-3/8	140	420	530	1700	3000	1595.6	2505.5	36000	36000	36000	36000	36000	36000	36000				M36-M80	
PA7-950-12-600	965.2	38	86	40	-10	-3/8	140	480	590	1700	3000	1802.1	2790.9	46050	46050	46050	46050	46050	46050	46050				M36-M80	
PA7-950-13-600	965.2	38	86	40	-46	-1 3/16	140	466	580	1800	3000	2112.3	3198.5	56250	56250	56250	56250	56250	56250	56250				M36-M80	

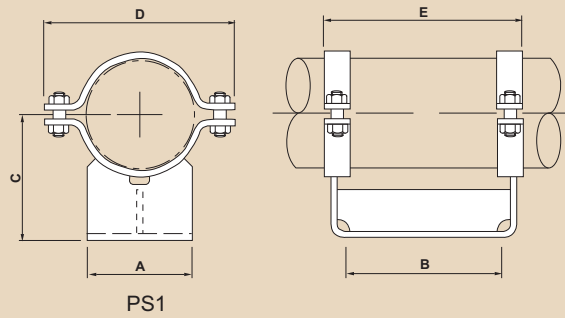
PA7 RISER CLAMP FLAT PLATE TYPE



Material: Carbon Steel to 400°C Alloy Steel above 400°C End Beams and Lugs: Carbon Steel. Order by Part No. and Rod Centres "F"

Part Number	Pipe O/D		A	B	C		D	E		F		Weight kg		Load Capacity (kg) at Temperature C								Compatible with Rod Sizes				
	mm	in			mm	mm		mm	in	mm	Min.	Max.	Min.	Max.	Min.	Max.	350	400	490	530	560		580	600		
PA7-1000-4-400	1016	40	33	10	-38	-1 1/2	55	188	190	1500	3000	284.0	427.3	3160	3160											M8-M30
PA7-1000-5-400	1016	40	39	12	-28	-1 1/8	65	208	230	1500	3000	360.3	535.1	4560	4560											M12-M36
PA7-1000-6-400	1016	40	52	16	-3	-1/8	85	228	260	1500	3000	470.4	704.1	7300	7300											M20-M48
PA7-1000-7-400	1016	40	60	20	12	1/2	100	258	290	1600	3000	574.9	890.4	10680	10680											M24-M56
PA7-1000-8-400	1016	40	68	25	32	1 1/4	115	260	340	1600	3000	694.8	1019.2	14800	14800											M36-M64
PA7-1000-9-400	1016	40	76	25	11	7/16	130	300	370	1600	3000	798.6	1247.2	19300	19300											M36-M72
PA7-1000-10-400	1016	40	86	30	26	1	140	340	420	1700	3000	1073.3	1656.5	26700	26700											M36-M80
PA7-1000-11-400	1016	40	86	35	-10	-3/8	140	380	450	1700	3000	1230.5	1886.7	36000	36000											M36-M80
PA7-1000-12-400	1016	40	86	40	-10	-3/8	140	430	470	1800	3000	1576.1	2432.7	46050	46050											M36-M80
PA7-1000-13-400	1016	40	86	40	-46	-1 13/16	140	466	530	1800	3000	1761.9	2724.8	56250	56250											M36-M80
PA7-1000-4-490	1016	40	33	10	-38	-1 1/2	55	188	190	1500	3000	278.7	427.3	3160	3160	3160	2050	1230	880	760						M8-M30
PA7-1000-5-490	1016	40	39	12	-28	-1 1/8	65	208	230	1500	3000	360.3	535.1	4560	4560	4560	2960	1780	1280	1090						M12-M36
PA7-1000-6-490	1016	40	52	16	-3	-1/8	85	228	260	1500	3000	470.4	704.1	7300	7300	7300	4750	2850	2040	1750						M20-M48
PA7-1000-7-490	1016	40	60	20	12	1/2	100	258	290	1600	3000	574.9	890.4	10680	10680	10680	6940	4170	2990	2560						M24-M56
PA7-1000-8-490	1016	40	68	25	32	1 1/4	115	260	340	1600	3000	694.8	1019.2	14800	14800	14800	9620	5770	4140	3550						M36-M64
PA7-1000-9-490	1016	40	76	25	11	7/16	130	300	360	1600	3000	798.6	1229.0	19300	19300	19300	12550	7530	5400	4630						M36-M72
PA7-1000-10-490	1016	40	86	30	26	1	140	324	400	1700	3000	967.3	1524.6	26700	26700	26700	17360	10410	7480	6410						M36-M80
PA7-1000-11-490	1016	40	86	35	-10	-3/8	140	380	450	1700	3000	1230.5	1886.7	36000	36000	36000	23400	14040	10080	8640						M36-M80
PA7-1000-12-490	1016	40	86	40	-10	-3/8	140	430	470	1800	3000	1576.1	2432.7	46050	46050	46050	29930	17960	12890	11050						M36-M80
PA7-1000-13-490	1016	40	86	40	-46	-1 13/16	140	466	520	1800	3000	1746.0	2696.6	56250	56250	56250	36560	21940	15750	13500						M36-M80
PA7-1000-4-530	1016	40	33	10	-38	-1 1/2	55	188	200	1500	3000	289.8	439.1	3160	3160	3160	3160	1900	1390	1140						M8-M30
PA7-1000-5-530	1016	40	39	12	-28	-1 1/8	65	208	240	1500	3000	365.6	546.9	4560	4560	4560	4560	2740	2010	1640						M12-M36
PA7-1000-6-530	1016	40	52	16	-3	-1/8	85	228	280	1500	3000	484.6	731.9	7300	7300	7300	7300	4380	3210	2630						M20-M48
PA7-1000-7-530	1016	40	60	20	12	1/2	100	258	310	1600	3000	630.1	923.1	10680	10680	10680	10680	6410	4700	3840						M24-M56
PA7-1000-8-530	1016	40	68	25	32	1 1/4	115	280	340	1600	3000	754.8	1120.9	14800	14800	14800	14800	8880	6510	5330						M36-M64
PA7-1000-9-530	1016	40	76	25	11	7/16	130	300	380	1600	3000	890.2	1266.5	19300	19300	19300	19300	11580	8490	6950						M36-M72
PA7-1000-10-530	1016	40	86	30	26	1	140	330	430	1700	3000	1145.0	1677.2	26700	26700	26700	26700	16020	11750	9610						M36-M80
PA7-1000-11-530	1016	40	86	35	-10	-3/8	140	390	460	1700	3000	1354.4	1911.2	36000	36000	36000	36000	21600	15840	12960						M36-M80
PA7-1000-12-530	1016	40	86	40	-10	-3/8	140	430	480	1800	3000	1592.1	2462.7	46050	46050	46050	46050	27630	20260	16580						M36-M80
PA7-1000-13-530	1016	40	86	40	-46	-1 13/16	140	466	530	1800	3000	1776.6	2724.8	56250	56250	56250	56250	33750	24750	20250						M36-M80
PA7-1000-4-560	1016	40	33	10	-38	-1 1/2	55	188	230	1500	3000	340.8	513.9	3160	3160	3160	3160	3160	2460	1830						M8-M30
PA7-1000-5-560	1016	40	39	12	-28	-1 1/8	65	208	240	1500	3000	446.1	615.7	4560	4560	4560	4560	4560	3560	2640						M12-M36
PA7-1000-6-560	1016	40	52	16	-3	-1/8	85	240	280	1500	3000	539.7	842.8	7300	7300	7300	7300	7300	5690	4230						M20-M48
PA7-1000-7-560	1016	40	60	20	12	1/2	100	260	340	1600	3000	690.1	1014.6	10680	10680	10680	10680	10680	8330	6190						M24-M56
PA7-1000-8-560	1016	40	68	25	32	1 1/4	115	280	360	1600	3000	801.2	1201.3	14800	14800	14800	14800	14800	11540	8580						M36-M64
PA7-1000-9-560	1016	40	76	25	11	7/16	130	320	390	1600	3000	911.3	1452.3	19300	19300	19300	19300	19300	15050	11190						M36-M72
PA7-1000-10-560	1016	40	86	30	26	1	140	350	450	1700	3000	1170.5	1719.8	26700	26700	26700	26700	26700	20830	15490						M36-M80
PA7-1000-11-560	1016	40	86	35	-10	-3/8	140	380	500	1800	3000	1470.1	2095.8	36000	36000	36000	36000	36000	28080	20880						M36-M80
PA7-1000-12-560	1016	40	86	40	-10	-3/8	140	440	500	1800	3000	1742.8	2521.0	46050	46050	46050	46050	46050	35920	26710						M36-M80
PA7-1000-13-560	1016	40	86	40	-46	-1 13/16	140	466	550	1800	3000	1860.7	2783.1	56250	56250	56250	56250	56250	43880	32630						M36-M80
PA7-1000-4-600	1016	40	33	10	-38	-1 1/2	55	200	250	1500	3000	432.4	648.2	3160	3160	3160	3160	3160	3160	3160						M8-M30
PA7-1000-5-600	1016	40	39	12	-28	-1 1/8	65	240	300	1500	3000	522.5	782.4	4560	4560	4560	4560	4560	4560	4560						M12-M36
PA7-1000-6-600	1016	40	52	16	-3	-1/8	85	270	350	1600	3000	667.8	997.9	7300	7300	7300	7300	7300	7300	7300						M20-M48
PA7-1000-7-600	1016	40	60	20	12	1/2	100	300	380	1600	3000	859.6	1234.2	10680	10680	10680	10680	10680	10680	10680						M24-M56
PA7-1000-8-600	1016	40	68	25	32	1 1/4	115	330	420	1700	3000	1071.1	1576.1	14800	14800	14800	14800	14800	14800	14800						M36-M64
PA7-1000-9-600	1016	40	76	25	11	7/16	130	370	440	1700	3000	1149.3	1758.6	19300	19300	19300	19300	19300	19300	19300						M36-M72
PA7-1000-10-600	1016	40	86	30	26	1	140	400	450	1700	3000	1427.2	2203.1	26700	26700	26700	26700	26700	26700	26700						M36-M80
PA7-1000-11-600	1016	40	86	35	-10	-3/8	140	430	520	1800	3000	1713.1	2560.2	36000	36000	36000	36000	36000	36000	36000						M36-M80
PA7-1000-12-600	1016	40	86	40	-10	-3/8	140	490	590	1800	3000	1998.9	2967.3	46050	46050	46050	46050	46050	46050	46050						M36-M80
PA7-1000-13-600	1016	40	86	40	-46	-1 13/16	140	480	580	1800	3000	2357.4	3293.2	56250	56250	56250	56250	56250	56250	56250						M36-M80

# PS PIPE CLAMP BASE FOR USE AS A SLIDING BASE OR WITH TYPE TB7 SPREADER BEAMS



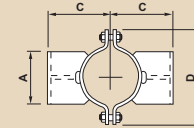
PS1

TYPE PS1 IS FOR USE AS A SLIDING BASE OR WITH SPREADER BEAMS. IF IT IS GUIDED AT THE BASE, THE LOAD CAPACITY IN THE HORIZONTAL DIRECTION IS 30% OF THE STATED VERTICAL LOAD CAPACITY.

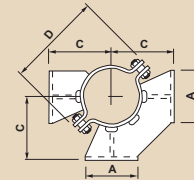
TYPE PS2 IS FOR USE AS A GUIDE ON HORIZONTAL OR VERTICAL PIPES, OR WHEN USED WITH THE LEGS VERTICAL AS A VERTICAL RESTRAINT ON HORIZONTAL PIPES IN CASES WHERE THE VERTICAL LOAD CAN ACT UPWARDS.

TYPE PS3 IS FOR USE AS A GUIDE ON HORIZONTAL PIPES. THE STATED LOAD CAPACITY IS APPLICABLE TO BOTH VERTICAL AND LATERAL LOADINGS ACTING CONCURRENTLY.

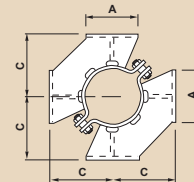
TYPE PS4 IS A TWO WAY GUIDE WHICH CAN BE USED FOR EITHER HORIZONTAL OR VERTICAL PIPES. ANY OF THE PIPE BASES CAN ALSO BE USED AS AXIAL RESTRAINTS IF SHEAR LUGS OR COLLARS ARE FITTED TO THE PIPE. THE LOAD CAPACITY IN THE DIRECTION OF THE PIPE AXIS IS LIMITED TO 30% OF THE LOAD CAPACITY IN THE VERTICAL DIRECTION.



PS2



PS3

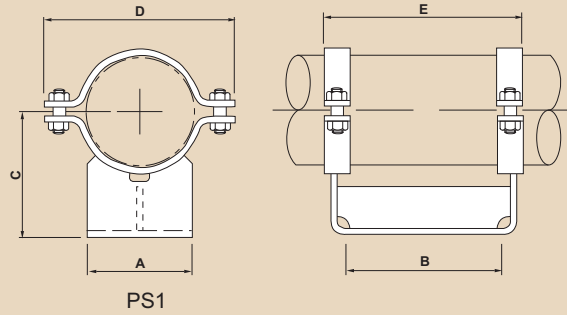


PS4

Material: Carbon Steel to 400°C Alloy Steel above 400°C Base Plate Weldable Carbon Steel

Part No. (Type PS1)	Pipe O/D		A	B	C		D	E	Max. Temp.	Max. Lagging Thick.	Weight				Load Capacity (See Notes)	
	mm	in			mm	mm					mm	in	mm	mm		PS1 kgf
For Multi-Leg types, replace PS1 with PS2, PS3 or PS4																
PS1-15-1-400	21.3	0.839	50	150	90	3 <sup>9</sup> / <sub>16</sub>	96	185	400	75	1.7	3.0	4.2	5.4	360	
PS1-15-1-530	21.3	0.839	70	150	110	4 <sup>5</sup> / <sub>16</sub>	96	190	530	95	2.6	4.4	6.2	8.0	360	
PS1-15-1-600	21.3	0.839	80	150	140	5 <sup>1</sup> / <sub>2</sub>	96	190	600	125	3.0	5.4	7.7	10	360	
PS1-20-1-400	26.7	1.051	50	150	90	3 <sup>9</sup> / <sub>16</sub>	106	185	400	75	1.8	3.0	4.2	5.4	360	
PS1-20-1-530	26.7	1.051	70	150	110	4 <sup>5</sup> / <sub>16</sub>	106	190	530	95	2.6	4.5	6.3	8.1	360	
PS1-20-1-600	26.7	1.051	80	150	140	5 <sup>1</sup> / <sub>2</sub>	106	190	600	125	3.1	5.4	7.7	10	360	
PS1-25-1-400	33.4	1.315	50	150	90	3 <sup>9</sup> / <sub>16</sub>	116	185	400	70	1.9	3.1	4.3	5.5	360	
PS1-25-1-530	33.4	1.315	70	150	120	4 <sup>3</sup> / <sub>4</sub>	116	190	530	100	2.8	4.7	6.5	8.4	360	
PS1-25-1-600	33.4	1.315	80	150	140	5 <sup>1</sup> / <sub>2</sub>	116	190	600	120	3.2	5.5	7.8	10	360	
PS1-32-1-400	42.2	1.661	60	150	100	3 <sup>15</sup> / <sub>16</sub>	126	185	400	75	2.2	3.7	5.2	6.7	360	
PS1-32-1-530	42.2	1.661	70	150	120	4 <sup>3</sup> / <sub>4</sub>	126	190	530	95	2.9	4.7	6.6	8.4	360	
PS1-32-1-600	42.2	1.661	90	150	150	5 <sup>7</sup> / <sub>8</sub>	126	190	600	125	3.7	6.3	8.9	12	360	
PS1-40-1-400	48.3	1.902	60	150	100	3 <sup>15</sup> / <sub>16</sub>	126	185	400	75	2.2	3.7	5.2	6.6	360	
PS1-40-1-530	48.3	1.902	80	150	130	5 <sup>1</sup> / <sub>8</sub>	136	190	530	105	3.3	5.5	7.7	9.9	360	
PS1-40-1-600	48.3	1.902	90	150	150	5 <sup>7</sup> / <sub>8</sub>	136	190	600	125	3.7	6.4	9.0	12	360	
PS1-50-2-400	60.3	2.375	70	150	110	4 <sup>5</sup> / <sub>16</sub>	146	203	400	75	2.7	4.4	6.2	8.0	530	
PS1-50-2-530	60.3	2.375	80	150	130	5 <sup>1</sup> / <sub>8</sub>	146	208	530	95	3.4	5.6	7.7	9.9	530	
PS1-50-2-600	60.3	2.375	100	150	160	6 <sup>5</sup> / <sub>16</sub>	146	208	600	125	4.2	7.2	10	13	530	
PS1-65-2-400	73	2.875	70	200	110	4 <sup>5</sup> / <sub>16</sub>	166	253	400	70	3.1	5.2	7.2	9.3	530	
PS1-65-2-530	73	2.875	80	200	140	5 <sup>1</sup> / <sub>2</sub>	166	258	530	100	4.0	6.6	9.2	12	530	
PS1-65-2-600	73	2.875	100	200	160	6 <sup>5</sup> / <sub>16</sub>	176	268	600	120	6.5	9.9	13	17	530	
PS1-80-2-400	88.9	3.500	100	200	160	6 <sup>5</sup> / <sub>16</sub>	176	253	400	115	4.5	7.9	11	15	530	
PS1-80-2-530	88.9	3.500	100	200	170	6 <sup>11</sup> / <sub>16</sub>	176	258	530	125	5.0	8.5	12	15	530	
PS1-80-2-600	88.9	3.500	110	200	180	7 <sup>1</sup> / <sub>16</sub>	196	268	600	135	7.5	11	15	19	530	
PS1-90-2-400	101.6	4.000	100	200	160	6 <sup>5</sup> / <sub>16</sub>	186	253	400	105	4.6	8.0	11	15	530	
PS1-90-2-530	101.6	4.000	110	200	180	7 <sup>1</sup> / <sub>16</sub>	196	258	530	125	5.7	9.6	13	17	530	
PS1-90-2-600	101.6	4.000	110	200	190	7 <sup>1</sup> / <sub>2</sub>	206	268	600	135	7.8	12	16	20	530	
PS1-100-3-400	114.3	4.500	100	200	170	6 <sup>11</sup> / <sub>16</sub>	206	253	400	110	4.8	8.2	12	15	1010	
PS1-100-3-530	114.3	4.500	110	200	190	7 <sup>1</sup> / <sub>2</sub>	206	264	530	130	7.3	13	18	24	1010	
PS1-100-3-600	114.3	4.500	120	200	200	7 <sup>7</sup> / <sub>8</sub>	226	274	600	140	10	16	22	28	1010	
PS1-125-3-400	141.3	5.563	110	200	180	7 <sup>1</sup> / <sub>16</sub>	226	253	400	105	5.4	9.2	13	17	1010	
PS1-125-3-530	141.3	5.563	120	200	200	7 <sup>7</sup> / <sub>8</sub>	236	264	530	125	8.2	14	20	26	1010	

**PS PIPE CLAMP BASE FOR USE AS A SLIDING BASE OR WITH TYPE TB7 SPREADER BEAMS**



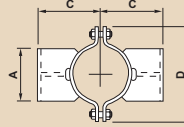
PS1

TYPE PS1 IS FOR USE AS A SLIDING BASE OR WITH SPREADER BEAMS. IF IT IS GUIDED AT THE BASE, THE LOAD CAPACITY IN THE HORIZONTAL DIRECTION IS 30% OF THE STATED VERTICAL LOAD CAPACITY.

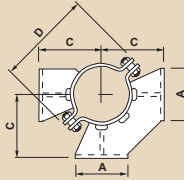
TYPE PS2 IS FOR USE AS A GUIDE ON HORIZONTAL OR VERTICAL PIPES, OR WHEN USED WITH THE LEGS VERTICAL AS A VERTICAL RESTRAINT ON HORIZONTAL PIPES IN CASES WHERE THE VERTICAL LOAD CAN ACT UPWARDS.

TYPE PS3 IS FOR USE AS A GUIDE ON HORIZONTAL PIPES. THE STATED LOAD CAPACITY IS APPLICABLE TO BOTH VERTICAL AND LATERAL LOADINGS ACTING CONCURRENTLY.

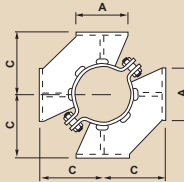
TYPE PS4 IS A TWO WAY GUIDE WHICH CAN BE USED FOR EITHER HORIZONTAL OR VERTICAL PIPES. ANY OF THE PIPE BASES CAN ALSO BE USED AS AXIAL RESTRAINTS IF SHEAR LUGS OR COLLARS ARE FITTED TO THE PIPE. THE LOAD CAPACITY IN THE DIRECTION OF THE PIPE AXIS IS LIMITED TO 30% OF THE LOAD CAPACITY IN THE VERTICAL DIRECTION.



PS2



PS3



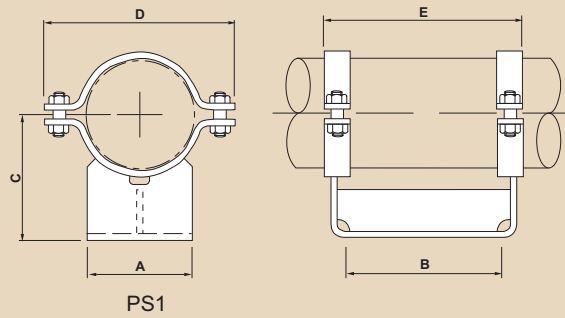
PS4

*Material: Carbon Steel to 400°C Alloy Steel above 400°C Base Plate Weldable Carbon Steel*

Part No. (Type PS1)	Pipe O/D		A	B	C		D	E	Max. Temp.	Max Lagging Thick.	Weight				Load Capacity (See Notes)		
	mm	in			mm	mm					mm	in	mm	mm		PS1 kgf	PS2 kgf
For Multi-Leg types, replace PS1 with PS2, PS3 or PS4																	
PS1-125-3-600	141.3	5.563	130	200	210	8 1/4	246	274	600	135	11	18	24	31	1010		
PS1-150-4-400	168.3	6.625	120	200	200	7 7/8	288	264	400	115	9.4	15	21	27	1580		
PS1-150-4-530	168.3	6.625	130	200	210	8 1/4	276	274	530	125	12	18	25	31	1580		
PS1-150-4-600	168.3	6.625	140	200	230	9 1/16	276	274	600	145	13	20	27	35	1580		
PS1-175-5-400	193.7	7.625	140	250	240	9 7/16	318	314	400	140	12	21	29	37	2280		
PS1-175-5-530	193.7	7.625	150	250	250	9 13/16	306	324	530	150	15	24	33	42	2280		
PS1-175-5-600	193.7	7.625	160	250	270	10 5/8	306	340	600	170	20	33	46	58	2280		
PS1-200-3-400	219.1	8.625	150	250	250	9 13/16	316	308	400	140	9.8	16	23	30	1010		
PS1-200-6-400	219.1	8.625	150	250	250	9 13/16	380	346	400	140	24	38	52	66	3650		
PS1-200-3-530	219.1	8.625	160	250	260	10 1/4	336	324	530	150	17	26	36	46	1010		
PS1-200-6-530	219.1	8.625	160	250	270	10 5/8	336	356	530	160	27	42	57	73	3650		
PS1-200-3-600	219.1	8.625	170	250	280	11	336	324	600	170	18	28	39	50	1010		
PS1-200-6-600	219.1	8.625	170	250	280	11	356	375	600	170	38	59	80	102	3650		
PS1-225-3-400	244.5	9.625	160	250	260	10 1/4	336	308	400	135	11	18	25	32	1010		
PS1-225-6-400	244.5	9.625	160	250	270	10 5/8	410	346	400	145	27	42	57	72	3650		
PS1-225-3-530	244.5	9.625	170	250	280	11	356	324	530	155	18	29	39	50	1010		
PS1-225-6-530	244.5	9.625	170	250	280	11	366	356	530	155	29	45	62	78	3650		
PS1-225-3-600	244.5	9.625	170	250	290	11 7/16	356	324	600	165	18	29	40	51	1010		
PS1-225-6-600	244.5	9.625	180	250	300	11 13/16	398	375	600	175	42	65	88	111	3650		
PS1-250-4-400	273	10.750	170	250	280	11	398	314	400	140	16	26	37	47	1580		
PS1-250-7-400	273	10.750	170	250	280	11	440	346	400	140	29	45	61	77	5340		
PS1-250-4-530	273	10.750	170	250	290	11 7/16	386	324	530	150	19	29	40	51	1580		
PS1-250-7-530	273	10.750	180	250	300	11 13/16	396	365	530	160	36	59	82	105	5340		
PS1-250-4-600	273	10.750	180	250	300	11 13/16	396	344	600	160	25	37	48	60	1580		
PS1-250-7-600	273	10.750	190	250	310	12 3/16	428	395	600	170	50	75	99	123	5340		
PS1-300-4-400	323.9	12.750	190	300	320	12 5/8	448	364	400	155	20	33	47	60	1580		
PS1-300-6-400	323.9	12.750	190	300	320	12 5/8	490	396	400	155	35	56	77	98	3650		
PS1-300-8-400	323.9	12.750	190	300	320	12 5/8	542	410	400	155	54	81	107	133	7400		
PS1-300-4-530	323.9	12.750	200	300	330	13	446	374	530	165	24	38	53	67	1580		
PS1-300-6-530	323.9	12.750	200	300	330	13	468	406	530	165	39	61	83	106	3650		
PS1-300-8-530	323.9	12.750	200	300	340	13 3/8	478	425	530	175	52	81	110	139	7400		
PS1-300-4-600	323.9	12.750	220	300	370	14 9/16	446	394	600	205	33	50	67	84	1580		



# PS PIPE CLAMP BASE FOR USE AS A SLIDING BASE OR WITH TYPE TB7 SPREADER BEAMS



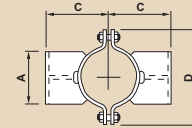
PS1

TYPE PS1 IS FOR USE AS A SLIDING BASE OR WITH SPREADER BEAMS. IF IT IS GUIDED AT THE BASE, THE LOAD CAPACITY IN THE HORIZONTAL DIRECTION IS 30% OF THE STATED VERTICAL LOAD CAPACITY.

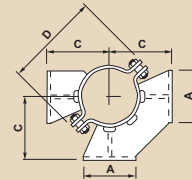
TYPE PS2 IS FOR USE AS A GUIDE ON HORIZONTAL OR VERTICAL PIPES, OR WHEN USED WITH THE LEGS VERTICAL AS A VERTICAL RESTRAINT ON HORIZONTAL PIPES IN CASES WHERE THE VERTICAL LOAD CAN ACT UPWARDS.

TYPE PS3 IS FOR USE AS A GUIDE ON HORIZONTAL PIPES. THE STATED LOAD CAPACITY IS APPLICABLE TO BOTH VERTICAL AND LATERAL LOADINGS ACTING CONCURRENTLY.

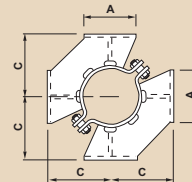
TYPE PS4 IS A TWO WAY GUIDE WHICH CAN BE USED FOR EITHER HORIZONTAL OR VERTICAL PIPES. ANY OF THE PIPE BASES CAN ALSO BE USED AS AXIAL RESTRAINTS IF SHEAR LUGS OR COLLARS ARE FITTED TO THE PIPE. THE LOAD CAPACITY IN THE DIRECTION OF THE PIPE AXIS IS LIMITED TO 30% OF THE LOAD CAPACITY IN THE VERTICAL DIRECTION.



PS2



PS3

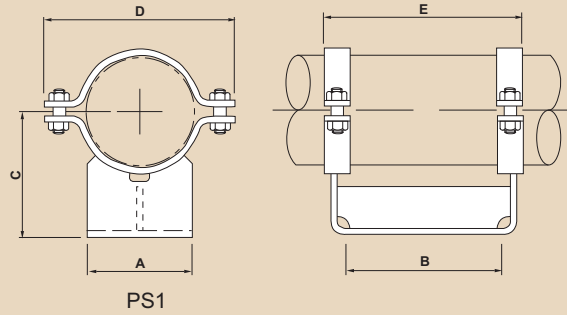


PS4

Material: Carbon Steel to 400°C Alloy Steel above 400°C Base Plate Weldable Carbon Steel

Part No. (Type PS1)	Pipe O/D		A	B	C		D	E	Max. Temp.	Max Lagging Thick.	Weight				Load Capacity (See Notes)	
	mm	in			mm	mm					mm	in	mm	mm		mm
For Multi-Leg types, replace PS1 with PS2, PS3 or PS4																
PS1-300-6-600	323.9	12.750	220	300	370	14 <sup>9</sup> / <sub>16</sub>	478	445	600	205	63	96	129	163	3650	
PS1-300-8-600	323.9	12.750	230	300	380	14 <sup>15</sup> / <sub>16</sub>	498	460	600	215	88	137	185	234	7400	
PS1-350-6-400	355.6	14.000	210	300	340	13 <sup>3</sup> / <sub>8</sub>	520	396	400	160	39	63	86	110	3650	
PS1-350-7-400	355.6	14.000	210	300	340	13 <sup>3</sup> / <sub>8</sub>	520	396	400	160	39	63	86	110	5340	
PS1-350-9-400	355.6	14.000	210	300	340	13 <sup>3</sup> / <sub>8</sub>	572	425	400	160	71	112	153	194	9650	
PS1-350-6-530	355.6	14.000	210	300	350	13 <sup>3</sup> / <sub>4</sub>	498	416	530	170	44	68	92	116	3650	
PS1-350-7-530	355.6	14.000	210	300	350	13 <sup>3</sup> / <sub>4</sub>	498	425	530	170	51	81	112	142	5340	
PS1-350-9-530	355.6	14.000	220	300	360	14 <sup>3</sup> / <sub>16</sub>	518	440	530	180	70	115	159	204	9650	
PS1-350-6-600	355.6	14.000	230	300	390	15 <sup>3</sup> / <sub>8</sub>	538	445	600	210	79	114	150	185	3650	
PS1-350-7-600	355.6	14.000	230	300	390	15 <sup>3</sup> / <sub>8</sub>	538	445	600	210	79	114	150	185	5340	
PS1-350-9-600	355.6	14.000	230	300	390	15 <sup>3</sup> / <sub>8</sub>	538	460	600	210	92	141	189	238	9650	
PS1-400-6-400	406.4	16.000	240	300	360	14 <sup>3</sup> / <sub>16</sub>	590	391	400	155	47	75	102	129	3650	
PS1-400-8-400	406.4	16.000	240	300	360	14 <sup>3</sup> / <sub>16</sub>	622	410	400	155	67	102	136	171	7400	
PS1-400-10-400	406.4	16.000	240	300	370	14 <sup>9</sup> / <sub>16</sub>	660	465	400	165	110	172	235	297	13350	
PS1-400-6-530	406.4	16.000	240	300	370	14 <sup>9</sup> / <sub>16</sub>	568	416	530	165	56	84	111	139	3650	
PS1-400-8-530	406.4	16.000	240	300	380	14 <sup>15</sup> / <sub>16</sub>	568	445	530	175	71	107	143	179	7400	
PS1-400-10-530	406.4	16.000	240	300	390	15 <sup>3</sup> / <sub>8</sub>	610	475	530	185	114	178	242	307	13350	
PS1-400-6-600	406.4	16.000	250	300	410	16 <sup>1</sup> / <sub>8</sub>	588	445	600	205	87	126	165	204	3650	
PS1-400-8-600	406.4	16.000	250	300	420	16 <sup>9</sup> / <sub>16</sub>	588	460	600	215	103	157	211	265	7400	
PS1-400-10-600	406.4	16.000	250	300	420	16 <sup>9</sup> / <sub>16</sub>	630	465	600	215	126	196	266	335	13350	
PS1-450-6-400	457.2	18.000	270	300	390	15 <sup>3</sup> / <sub>8</sub>	640	391	400	160	54	85	116	148	3650	
PS1-450-9-400	457.2	18.000	270	300	390	15 <sup>3</sup> / <sub>8</sub>	682	425	400	160	91	146	201	256	9650	
PS1-450-11-400	457.2	18.000	270	300	400	15 <sup>3</sup> / <sub>4</sub>	738	500	400	170	154	243	332	421	18000	
PS1-450-6-530	457.2	18.000	270	300	400	15 <sup>3</sup> / <sub>4</sub>	618	416	530	170	64	95	127	159	3650	
PS1-450-9-530	457.2	18.000	270	300	410	16 <sup>1</sup> / <sub>8</sub>	618	460	530	180	96	153	210	267	9650	
PS1-450-11-530	457.2	18.000	270	300	420	16 <sup>9</sup> / <sub>16</sub>	692	480	530	190	154	245	336	428	18000	
PS1-450-6-600	457.2	18.000	270	300	440	17 <sup>5</sup> / <sub>16</sub>	638	445	600	210	97	140	183	226	3650	
PS1-450-9-600	457.2	18.000	270	300	450	17 <sup>11</sup> / <sub>16</sub>	638	460	600	220	113	173	233	293	9650	
PS1-450-11-600	457.2	18.000	280	300	460	18 <sup>1</sup> / <sub>8</sub>	700	490	600	230	183	283	383	482	18000	
PS1-500-6-400	508	20.000	300	400	440	17 <sup>5</sup> / <sub>16</sub>	690	491	400	185	67	110	152	195	3650	
PS1-500-9-400	508	20.000	300	400	450	17 <sup>11</sup> / <sub>16</sub>	732	525	400	195	115	189	264	339	9650	
PS1-500-12-400	508	20.000	300	400	460	18 <sup>1</sup> / <sub>8</sub>	788	600	400	205	190	310	429	549	23025	

# PS PIPE CLAMP BASE FOR USE AS A SLIDING BASE OR WITH TYPE TB7 SPREADER BEAMS



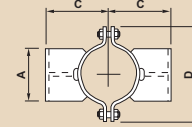
PS1

TYPE PS1 IS FOR USE AS A SLIDING BASE OR WITH SPREADER BEAMS. IF IT IS GUIDED AT THE BASE, THE LOAD CAPACITY IN THE HORIZONTAL DIRECTION IS 30% OF THE STATED VERTICAL LOAD CAPACITY.

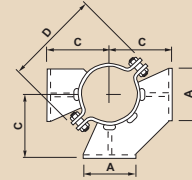
TYPE PS2 IS FOR USE AS A GUIDE ON HORIZONTAL OR VERTICAL PIPES, OR WHEN USED WITH THE LEGS VERTICAL AS A VERTICAL RESTRAINT ON HORIZONTAL PIPES IN CASES WHERE THE VERTICAL LOAD CAN ACT UPWARDS.

TYPE PS3 IS FOR USE AS A GUIDE ON HORIZONTAL PIPES. THE STATED LOAD CAPACITY IS APPLICABLE TO BOTH VERTICAL AND LATERAL LOADINGS ACTING CONCURRENTLY.

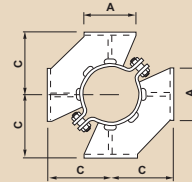
TYPE PS4 IS A TWO WAY GUIDE WHICH CAN BE USED FOR EITHER HORIZONTAL OR VERTICAL PIPES. ANY OF THE PIPE BASES CAN ALSO BE USED AS AXIAL RESTRAINTS IF SHEAR LUGS OR COLLARS ARE FITTED TO THE PIPE. THE LOAD CAPACITY IN THE DIRECTION OF THE PIPE AXIS IS LIMITED TO 30% OF THE LOAD CAPACITY IN THE VERTICAL DIRECTION.



PS2



PS3



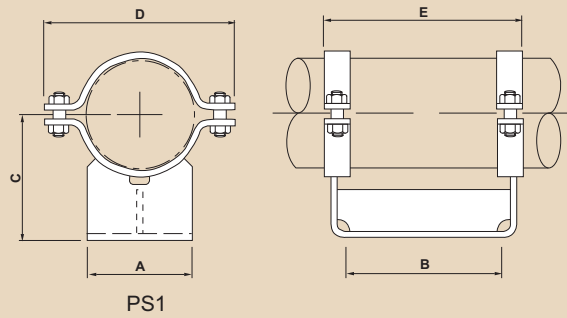
PS4

Material: Carbon Steel to 400°C Alloy Steel above 400°C Base Plate Weldable Carbon Steel

Part No. (Type PS1)	Pipe O/D		A	B	C		D	E	Max. Temp.	Max Lagging Thick.	Weight				Load Capacity (See Notes)		
	mm	in			mm	mm					mm	in	mm	mm		PS1 kgf	PS2 kgf
For Multi-Leg types, replace PS1 with PS2, PS3 or PS4									C								
PS1-500-6-530	508	20.000	300	400	450	17 <sup>11</sup> / <sub>16</sub>	668	516	530	195	78	121	164	207	3650		
PS1-500-9-530	508	20.000	300	400	460	18 <sup>1</sup> / <sub>8</sub>	668	560	530	205	119	195	271	347	9650		
PS1-500-12-530	508	20.000	300	400	480	18 <sup>7</sup> / <sub>8</sub>	752	610	530	225	240	410	581	752	23025		
PS1-500-6-600	508	20.000	300	400	490	19 <sup>9</sup> / <sub>16</sub>	698	545	600	235	117	174	232	289	3650		
PS1-500-9-600	508	20.000	300	400	500	19 <sup>11</sup> / <sub>16</sub>	698	570	600	245	144	224	304	383	9650		
PS1-500-12-600	508	20.000	310	400	520	20 <sup>1</sup> / <sub>2</sub>	772	630	600	265	286	470	654	838	23025		
PS1-550-6-400	558.8	22.000	330	400	460	18 <sup>1</sup> / <sub>8</sub>	740	491	400	180	74	121	168	216	3650		
PS1-550-8-400	558.8	22.000	330	400	470	18 <sup>1</sup> / <sub>2</sub>	782	510	400	190	104	164	225	286	7400		
PS1-550-10-400	558.8	22.000	330	400	480	18 <sup>7</sup> / <sub>8</sub>	810	565	400	200	169	277	385	493	13350		
PS1-550-13-400	558.8	22.000	330	400	490	19 <sup>9</sup> / <sub>16</sub>	896	650	400	210	304	491	679	866	28125		
PS1-550-6-530	558.8	22.000	330	400	480	18 <sup>7</sup> / <sub>8</sub>	718	516	530	200	86	135	183	232	3650		
PS1-550-8-530	558.8	22.000	330	400	480	18 <sup>7</sup> / <sub>8</sub>	760	545	530	200	126	187	249	311	7400		
PS1-550-10-530	558.8	22.000	330	400	490	19 <sup>9</sup> / <sub>16</sub>	760	575	530	210	174	283	392	501	13350		
PS1-550-13-530	558.8	22.000	330	400	500	19 <sup>11</sup> / <sub>16</sub>	830	650	530	220	299	489	678	868	28125		
PS1-550-6-600	558.8	22.000	330	400	520	20 <sup>1</sup> / <sub>2</sub>	748	545	600	240	129	193	258	322	3650		
PS1-550-8-600	558.8	22.000	330	400	520	20 <sup>1</sup> / <sub>2</sub>	768	550	600	240	161	249	337	425	7400		
PS1-550-10-600	558.8	22.000	330	400	530	20 <sup>7</sup> / <sub>8</sub>	780	575	600	250	195	310	424	538	13350		
PS1-550-13-600	558.8	22.000	330	400	550	21 <sup>5</sup> / <sub>8</sub>	890	670	600	270	427	686	945	1204	28125		
PS1-600-6-400	609.6	24.000	360	400	490	19 <sup>5</sup> / <sub>16</sub>	800	491	400	185	81	134	187	240	3650		
PS1-600-8-400	609.6	24.000	360	400	490	19 <sup>5</sup> / <sub>16</sub>	842	510	400	185	113	180	247	314	7400		
PS1-600-10-400	609.6	24.000	360	400	500	19 <sup>11</sup> / <sub>16</sub>	870	565	400	195	184	303	422	541	13350		
PS1-600-13-400	609.6	24.000	360	400	520	20 <sup>1</sup> / <sub>2</sub>	946	650	400	215	333	541	749	958	28125		
PS1-600-6-530	609.6	24.000	360	400	500	19 <sup>11</sup> / <sub>16</sub>	778	516	530	195	94	148	201	255	3650		
PS1-600-8-530	609.6	24.000	360	400	500	19 <sup>11</sup> / <sub>16</sub>	820	545	530	195	138	206	273	341	7400		
PS1-600-10-530	609.6	24.000	360	400	510	20 <sup>1</sup> / <sub>16</sub>	820	575	530	205	190	310	430	551	13350		
PS1-600-13-530	609.6	24.000	360	400	530	20 <sup>7</sup> / <sub>8</sub>	910	630	530	225	332	542	752	962	28125		
PS1-600-6-600	609.6	24.000	360	400	540	21 <sup>1</sup> / <sub>4</sub>	798	545	600	235	140	211	282	353	3650		
PS1-600-8-600	609.6	24.000	360	400	550	21 <sup>5</sup> / <sub>8</sub>	818	550	600	245	176	274	372	470	7400		
PS1-600-10-600	609.6	24.000	360	400	550	21 <sup>5</sup> / <sub>8</sub>	840	585	600	245	223	348	474	599	13350		
PS1-600-13-600	609.6	24.000	360	400	580	22 <sup>13</sup> / <sub>16</sub>	950	670	600	275	469	756	1043	1330	28125		
PS1-650-6-400	660.4	26.000	390	400	540	21 <sup>1</sup> / <sub>4</sub>	870	501	400	205	109	168	228	288	3650		
PS1-650-8-400	660.4	26.000	390	400	540	21 <sup>1</sup> / <sub>4</sub>	892	510	400	205	125	201	277	353	7400		



# PS PIPE CLAMP BASE FOR USE AS A SLIDING BASE OR WITH TYPE TB7 SPREADER BEAMS



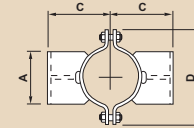
PS1

TYPE PS1 IS FOR USE AS A SLIDING BASE OR WITH SPREADER BEAMS. IF IT IS GUIDED AT THE BASE, THE LOAD CAPACITY IN THE HORIZONTAL DIRECTION IS 30% OF THE STATED VERTICAL LOAD CAPACITY.

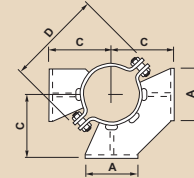
TYPE PS2 IS FOR USE AS A GUIDE ON HORIZONTAL OR VERTICAL PIPES, OR WHEN USED WITH THE LEGS VERTICAL AS A VERTICAL RESTRAINT ON HORIZONTAL PIPES IN CASES WHERE THE VERTICAL LOAD CAN ACT UPWARDS.

TYPE PS3 IS FOR USE AS A GUIDE ON HORIZONTAL PIPES. THE STATED LOAD CAPACITY IS APPLICABLE TO BOTH VERTICAL AND LATERAL LOADINGS ACTING CONCURRENTLY.

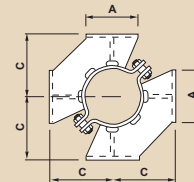
TYPE PS4 IS A TWO WAY GUIDE WHICH CAN BE USED FOR EITHER HORIZONTAL OR VERTICAL PIPES. ANY OF THE PIPE BASES CAN ALSO BE USED AS AXIAL RESTRAINTS IF SHEAR LUGS OR COLLARS ARE FITTED TO THE PIPE. THE LOAD CAPACITY IN THE DIRECTION OF THE PIPE AXIS IS LIMITED TO 30% OF THE LOAD CAPACITY IN THE VERTICAL DIRECTION.



PS2



PS3

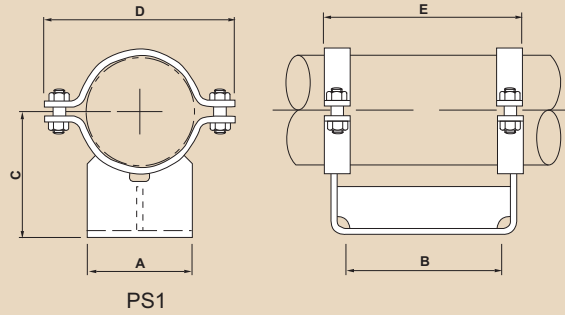


PS4

Material: Carbon Steel to 400°C Alloy Steel above 400°C Base Plate Weldable Carbon Steel

Part No. (Type PS1)	Pipe O/D		A	B	C		D	E	Max. Temp.	Max Lagging Thick.	Weight				Load Capacity (See Notes)	
	mm	in			mm	mm					mm	in	mm	mm		PS1 kgf
For Multi-Leg types, replace PS1 with PS2, PS3 or PS4																
PS1-650-10-400	660.4	26.000	390	400	550	21 <sup>5</sup> / <sub>8</sub>	920	565	400	215	205	339	473	608	13350	
PS1-650-13-400	660.4	26.000	390	400	570	22 <sup>7</sup> / <sub>16</sub>	996	670	400	235	387	622	857	1092	28125	
PS1-650-6-530	660.4	26.000	390	400	580	22 <sup>13</sup> / <sub>16</sub>	848	545	530	245	107	170	233	295	3650	
PS1-650-8-530	660.4	26.000	390	400	580	22 <sup>13</sup> / <sub>16</sub>	848	545	530	245	153	233	312	392	7400	
PS1-650-10-530	660.4	26.000	390	400	590	23 <sup>1</sup> / <sub>4</sub>	870	575	530	255	215	356	496	637	13350	
PS1-650-13-530	660.4	26.000	390	400	600	23 <sup>5</sup> / <sub>8</sub>	960	630	530	265	372	613	855	1096	28125	
PS1-650-6-600	660.4	26.000	390	400	620	24 <sup>7</sup> / <sub>16</sub>	848	545	600	285	157	240	324	407	3650	
PS1-650-8-600	660.4	26.000	390	400	620	24 <sup>7</sup> / <sub>16</sub>	868	550	600	285	197	310	423	537	7400	
PS1-650-10-600	660.4	26.000	390	400	630	24 <sup>13</sup> / <sub>16</sub>	890	595	600	295	260	406	552	699	13350	
PS1-650-13-600	660.4	26.000	390	400	650	25 <sup>9</sup> / <sub>16</sub>	1000	670	600	315	522	851	1179	1508	28125	
PS1-700-6-400	711.2	28.000	420	500	560	22 <sup>1</sup> / <sub>16</sub>	920	601	400	200	125	198	271	344	3650	
PS1-700-8-400	711.2	28.000	420	500	570	22 <sup>7</sup> / <sub>16</sub>	942	610	400	210	146	239	333	426	7400	
PS1-700-10-400	711.2	28.000	420	500	580	22 <sup>13</sup> / <sub>16</sub>	970	665	400	220	239	403	567	731	13350	
PS1-700-13-400	711.2	28.000	420	500	590	23 <sup>1</sup> / <sub>4</sub>	1046	770	400	230	443	724	1006	1287	28125	
PS1-700-6-530	711.2	28.000	420	500	600	23 <sup>5</sup> / <sub>8</sub>	878	616	530	240	123	199	276	352	3650	
PS1-700-8-530	711.2	28.000	420	500	610	24	920	645	530	250	177	274	372	469	7400	
PS1-700-10-530	711.2	28.000	420	500	620	24 <sup>7</sup> / <sub>16</sub>	920	675	530	260	250	421	592	763	13350	
PS1-700-13-530	711.2	28.000	420	500	630	24 <sup>13</sup> / <sub>16</sub>	1010	730	530	270	429	720	1012	1303	28125	
PS1-700-6-600	711.2	28.000	420	500	640	25 <sup>3</sup> / <sub>16</sub>	898	645	600	280	179	279	380	480	3650	
PS1-700-8-600	711.2	28.000	420	500	650	25 <sup>9</sup> / <sub>16</sub>	918	650	600	290	227	364	502	639	7400	
PS1-700-10-600	711.2	28.000	420	500	650	25 <sup>9</sup> / <sub>16</sub>	960	675	600	290	297	472	647	821	13350	
PS1-700-13-600	711.2	28.000	420	500	680	26 <sup>3</sup> / <sub>4</sub>	1050	770	600	320	598	990	1383	1776	28125	
PS1-750-6-400	762	30.000	450	500	590	23 <sup>1</sup> / <sub>4</sub>	970	601	400	205	135	214	294	373	3650	
PS1-750-8-400	762	30.000	450	500	590	23 <sup>1</sup> / <sub>4</sub>	992	610	400	205	157	258	358	459	7400	
PS1-750-10-400	762	30.000	450	500	600	23 <sup>5</sup> / <sub>8</sub>	1020	665	400	215	256	433	610	787	13350	
PS1-750-13-400	762	30.000	450	500	620	24 <sup>7</sup> / <sub>16</sub>	1096	770	400	235	477	783	1090	1396	28125	
PS1-750-6-530	762	30.000	450	500	630	24 <sup>13</sup> / <sub>16</sub>	928	616	530	245	133	216	299	382	3650	
PS1-750-8-530	762	30.000	450	500	630	24 <sup>13</sup> / <sub>16</sub>	970	645	530	245	190	295	400	505	7400	
PS1-750-10-530	762	30.000	450	500	640	25 <sup>3</sup> / <sub>16</sub>	970	675	530	255	269	453	637	821	13350	
PS1-750-13-530	762	30.000	450	500	660	26	1060	730	530	275	463	780	1096	1413	28125	
PS1-750-6-600	762	30.000	450	500	670	26 <sup>3</sup> / <sub>8</sub>	948	645	600	285	193	302	411	521	3650	
PS1-750-8-600	762	30.000	450	500	670	26 <sup>3</sup> / <sub>8</sub>	978	650	600	285	244	392	540	689	7400	

# PS PIPE CLAMP BASE FOR USE AS A SLIDING BASE OR WITH TYPE TB7 SPREADER BEAMS



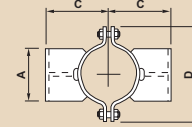
PS1

TYPE PS1 IS FOR USE AS A SLIDING BASE OR WITH SPREADER BEAMS. IF IT IS GUIDED AT THE BASE, THE LOAD CAPACITY IN THE HORIZONTAL DIRECTION IS 30% OF THE STATED VERTICAL LOAD CAPACITY.

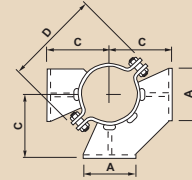
TYPE PS2 IS FOR USE AS A GUIDE ON HORIZONTAL OR VERTICAL PIPES, OR WHEN USED WITH THE LEGS VERTICAL AS A VERTICAL RESTRAINT ON HORIZONTAL PIPES IN CASES WHERE THE VERTICAL LOAD CAN ACT UPWARDS.

TYPE PS3 IS FOR USE AS A GUIDE ON HORIZONTAL PIPES. THE STATED LOAD CAPACITY IS APPLICABLE TO BOTH VERTICAL AND LATERAL LOADINGS ACTING CONCURRENTLY.

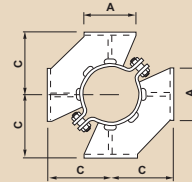
TYPE PS4 IS A TWO WAY GUIDE WHICH CAN BE USED FOR EITHER HORIZONTAL OR VERTICAL PIPES. ANY OF THE PIPE BASES CAN ALSO BE USED AS AXIAL RESTRAINTS IF SHEAR LUGS OR COLLARS ARE FITTED TO THE PIPE. THE LOAD CAPACITY IN THE DIRECTION OF THE PIPE AXIS IS LIMITED TO 30% OF THE LOAD CAPACITY IN THE VERTICAL DIRECTION.



PS2



PS3

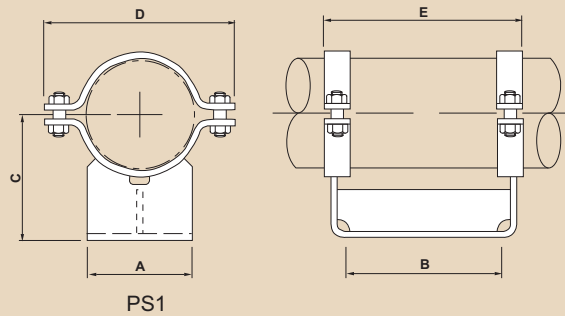


PS4

Material: Carbon Steel to 400°C Alloy Steel above 400°C Base Plate Weldable Carbon Steel

Part No. (Type PS1)	Pipe O/D		A	B	C		D	E	Max. Temp.	Max Lagging Thick.	Weight				Load Capacity (See Notes)		
	mm	in			mm	mm					mm	in	mm	mm		PS1 kgf	PS2 kgf
For Multi-Leg types, replace PS1 with PS2, PS3 or PS4																	
PS1-750-10-600	762	30.000	450	500	680	26 <sup>3</sup> / <sub>4</sub>	1010	675	600	295	320	510	701	891	13350		
PS1-750-13-600	762	30.000	450	500	700	27 <sup>9</sup> / <sub>16</sub>	1100	770	600	315	640	1063	1486	1910	28125		
PS1-800-6-400	812.8	32.000	480	500	610	24	1020	601	400	200	144	229	315	400	3650		
PS1-800-8-400	812.8	32.000	480	500	620	24 <sup>7</sup> / <sub>16</sub>	1042	610	400	210	169	278	387	497	7400		
PS1-800-10-400	812.8	32.000	480	500	630	24 <sup>13</sup> / <sub>16</sub>	1070	685	400	220	294	486	678	870	13350		
PS1-800-13-400	812.8	32.000	480	500	640	25 <sup>3</sup> / <sub>16</sub>	1176	770	400	230	548	876	1203	1531	28125		
PS1-800-6-530	812.8	32.000	480	500	650	25 <sup>9</sup> / <sub>16</sub>	978	616	530	240	142	231	321	410	3650		
PS1-800-8-530	812.8	32.000	480	500	660	26	1020	645	530	250	204	318	432	545	7400		
PS1-800-10-530	812.8	32.000	480	500	670	26 <sup>3</sup> / <sub>8</sub>	1042	685	530	260	300	499	699	899	13350		
PS1-800-13-530	812.8	32.000	480	500	680	26 <sup>7</sup> / <sub>4</sub>	1110	730	530	270	494	834	1174	1514	28125		
PS1-800-6-600	812.8	32.000	480	500	690	27 <sup>3</sup> / <sub>16</sub>	1008	645	600	280	207	324	441	559	3650		
PS1-800-8-600	812.8	32.000	480	500	700	27 <sup>9</sup> / <sub>16</sub>	1050	660	600	290	275	435	596	757	7400		
PS1-800-10-600	812.8	32.000	480	500	700	27 <sup>9</sup> / <sub>16</sub>	1070	675	600	290	342	546	751	955	13350		
PS1-800-13-600	812.8	32.000	480	500	730	28 <sup>3</sup> / <sub>4</sub>	1160	770	600	320	688	1146	1604	2061	28125		
PS1-850-6-400	863.6	34.000	510	500	640	25 <sup>9</sup> / <sub>16</sub>	1070	601	400	205	154	247	339	432	3650		
PS1-850-8-400	863.6	34.000	510	500	640	25 <sup>9</sup> / <sub>16</sub>	1092	610	400	205	180	297	414	531	7400		
PS1-850-10-400	863.6	34.000	510	500	650	25 <sup>9</sup> / <sub>16</sub>	1120	685	400	215	313	519	724	930	13350		
PS1-850-13-400	863.6	34.000	510	500	670	26 <sup>3</sup> / <sub>8</sub>	1226	770	400	235	585	939	1293	1647	28125		
PS1-850-6-530	863.6	34.000	510	500	680	26 <sup>3</sup> / <sub>4</sub>	1028	616	530	245	152	249	345	442	3650		
PS1-850-8-530	863.6	34.000	510	500	680	26 <sup>3</sup> / <sub>4</sub>	1070	645	530	245	217	339	460	582	7400		
PS1-850-10-530	863.6	34.000	510	500	690	27 <sup>3</sup> / <sub>16</sub>	1092	685	530	255	319	533	746	960	13350		
PS1-850-13-530	863.6	34.000	510	500	710	27 <sup>15</sup> / <sub>16</sub>	1170	740	530	275	545	912	1279	1646	28125		
PS1-850-6-600	863.6	34.000	510	500	720	28 <sup>3</sup> / <sub>8</sub>	1058	645	600	285	221	348	474	601	3650		
PS1-850-8-600	863.6	34.000	510	500	720	28 <sup>3</sup> / <sub>8</sub>	1100	660	600	285	292	464	636	808	7400		
PS1-850-10-600	863.6	34.000	510	500	730	28 <sup>3</sup> / <sub>4</sub>	1120	675	600	295	366	586	807	1028	13350		
PS1-850-13-600	863.6	34.000	510	500	750	29 <sup>1</sup> / <sub>2</sub>	1210	770	600	315	731	1221	1710	2200	28125		
PS1-900-6-400	914.4	36.000	540	600	670	26 <sup>3</sup> / <sub>8</sub>	1130	701	400	210	175	285	395	505	3650		
PS1-900-8-400	914.4	36.000	540	600	670	26 <sup>3</sup> / <sub>8</sub>	1142	710	400	210	205	343	482	621	7400		
PS1-900-10-400	914.4	36.000	540	600	680	26 <sup>3</sup> / <sub>4</sub>	1180	785	400	220	356	599	841	1084	13350		
PS1-900-13-400	914.4	36.000	540	600	690	27 <sup>3</sup> / <sub>16</sub>	1276	870	400	230	653	1064	1475	1886	28125		
PS1-900-6-530	914.4	36.000	540	600	700	27 <sup>9</sup> / <sub>16</sub>	1088	736	530	240	187	300	413	526	3650		
PS1-900-8-530	914.4	36.000	540	600	710	27 <sup>15</sup> / <sub>16</sub>	1130	745	530	250	244	388	532	676	7400		

# PS PIPE CLAMP BASE FOR USE AS A SLIDING BASE OR WITH TYPE TB7 SPREADER BEAMS



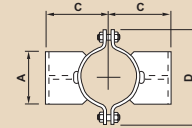
PS1

TYPE PS1 IS FOR USE AS A SLIDING BASE OR WITH SPREADER BEAMS. IF IT IS GUIDED AT THE BASE, THE LOAD CAPACITY IN THE HORIZONTAL DIRECTION IS 30% OF THE STATED VERTICAL LOAD CAPACITY.

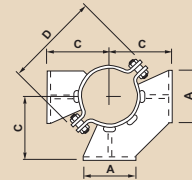
TYPE PS2 IS FOR USE AS A GUIDE ON HORIZONTAL OR VERTICAL PIPES, OR WHEN USED WITH THE LEGS VERTICAL AS A VERTICAL RESTRAINT ON HORIZONTAL PIPES IN CASES WHERE THE VERTICAL LOAD CAN ACT UPWARDS.

TYPE PS3 IS FOR USE AS A GUIDE ON HORIZONTAL PIPES. THE STATED LOAD CAPACITY IS APPLICABLE TO BOTH VERTICAL AND LATERAL LOADINGS ACTING CONCURRENTLY.

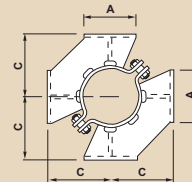
TYPE PS4 IS A TWO WAY GUIDE WHICH CAN BE USED FOR EITHER HORIZONTAL OR VERTICAL PIPES. ANY OF THE PIPE BASES CAN ALSO BE USED AS AXIAL RESTRAINTS IF SHEAR LUGS OR COLLARS ARE FITTED TO THE PIPE. THE LOAD CAPACITY IN THE DIRECTION OF THE PIPE AXIS IS LIMITED TO 30% OF THE LOAD CAPACITY IN THE VERTICAL DIRECTION.



PS2



PS3

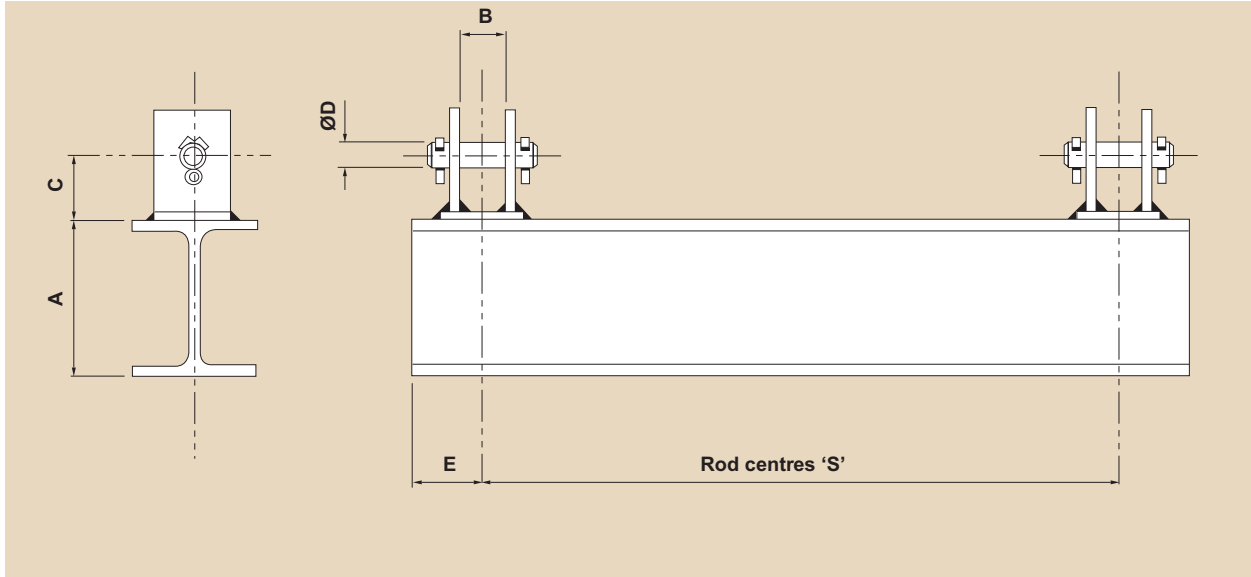


PS4

Material: Carbon Steel to 400°C Alloy Steel above 400°C Base Plate Weldable Carbon Steel

Part No. (Type PS1)	Pipe O/D		A	B	C		D	E	Max. Temp.	Max Lagging Thick.	Weight				Load Capacity (See Notes)		
	mm	in			mm	mm					mm	in	mm	mm		mm	PS1 kgf
For Multi-Leg types, replace PS1 with PS2, PS3 or PS4																	
PS1-900-10-530	914.4	36.000	540	600	720	28 <sup>3</sup> / <sub>8</sub>	1172	765	530	260	366	616	866	1117	13350		
PS1-900-13-530	914.4	36.000	540	600	730	28 <sup>3</sup> / <sub>4</sub>	1220	850	530	270	628	1052	1477	1902	28125		
PS1-900-6-600	914.4	36.000	540	600	740	29 <sup>1</sup> / <sub>8</sub>	1108	745	600	280	247	395	543	690	3650		
PS1-900-8-600	914.4	36.000	540	600	750	29 <sup>1</sup> / <sub>2</sub>	1150	760	600	290	328	530	732	934	7400		
PS1-900-10-600	914.4	36.000	540	600	750	29 <sup>1</sup> / <sub>2</sub>	1170	775	600	290	409	665	921	1178	13350		
PS1-900-13-600	914.4	36.000	540	600	780	30 <sup>11</sup> / <sub>16</sub>	1260	870	600	320	821	1389	1957	2525	28125		
PS1-950-6-400	965.2	38.000	570	600	690	27 <sup>3</sup> / <sub>16</sub>	1180	701	400	205	185	302	419	535	3650		
PS1-950-8-400	965.2	38.000	570	600	690	27 <sup>3</sup> / <sub>16</sub>	1202	735	400	205	244	391	539	686	7400		
PS1-950-10-400	965.2	38.000	570	600	700	27 <sup>9</sup> / <sub>16</sub>	1230	785	400	215	377	634	892	1149	13350		
PS1-950-13-400	965.2	38.000	570	600	720	28 <sup>3</sup> / <sub>8</sub>	1336	870	400	235	694	1135	1575	2015	28125		
PS1-950-6-530	965.2	38.000	570	600	730	28 <sup>3</sup> / <sub>4</sub>	1138	736	530	245	199	320	441	563	3650		
PS1-950-8-530	965.2	38.000	570	600	730	28 <sup>3</sup> / <sub>4</sub>	1180	745	530	245	258	411	564	717	7400		
PS1-950-10-530	965.2	38.000	570	600	740	29 <sup>1</sup> / <sub>8</sub>	1222	765	530	255	387	653	919	1185	13350		
PS1-950-13-530	965.2	38.000	570	600	760	29 <sup>15</sup> / <sub>16</sub>	1270	850	530	275	667	1121	1576	2030	28125		
PS1-950-6-600	965.2	38.000	570	600	770	30 <sup>5</sup> / <sub>16</sub>	1158	745	600	285	263	421	579	737	3650		
PS1-950-8-600	965.2	38.000	570	600	780	30 <sup>11</sup> / <sub>16</sub>	1200	760	600	295	349	565	781	997	7400		
PS1-950-10-600	965.2	38.000	570	600	780	30 <sup>11</sup> / <sub>16</sub>	1220	775	600	295	434	709	983	1257	13350		
PS1-950-13-600	965.2	38.000	570	600	810	31 <sup>7</sup> / <sub>8</sub>	1320	880	600	325	896	1503	2110	2717	28125		
PS1-1000-6-400	1016	40.000	600	600	720	28 <sup>3</sup> / <sub>8</sub>	1230	701	400	210	197	321	446	571	3650		
PS1-1000-8-400	1016	40.000	600	600	720	28 <sup>3</sup> / <sub>8</sub>	1252	735	400	210	258	416	574	732	7400		
PS1-1000-10-400	1016	40.000	600	600	730	28 <sup>3</sup> / <sub>4</sub>	1280	785	400	220	400	675	950	1225	13350		
PS1-1000-13-400	1016	40.000	600	600	740	29 <sup>1</sup> / <sub>8</sub>	1386	870	400	230	731	1198	1664	2130	28125		
PS1-1000-6-530	1016	40.000	600	600	750	29 <sup>1</sup> / <sub>2</sub>	1188	736	530	240	210	338	467	595	3650		
PS1-1000-8-530	1016	40.000	600	600	760	29 <sup>15</sup> / <sub>16</sub>	1230	745	530	250	274	437	600	764	7400		
PS1-1000-10-530	1016	40.000	600	600	770	30 <sup>5</sup> / <sub>16</sub>	1272	765	530	260	410	694	978	1263	13350		
PS1-1000-13-530	1016	40.000	600	600	780	30 <sup>11</sup> / <sub>16</sub>	1320	850	530	270	703	1184	1665	2147	28125		
PS1-1000-6-600	1016	40.000	600	600	800	31 <sup>1</sup> / <sub>2</sub>	1208	755	600	290	289	458	627	796	3650		
PS1-1000-8-600	1016	40.000	600	600	800	31 <sup>1</sup> / <sub>2</sub>	1250	770	600	290	381	610	839	1068	7400		
PS1-1000-10-600	1016	40.000	600	600	810	31 <sup>7</sup> / <sub>8</sub>	1270	775	600	300	460	753	1046	1339	13350		
PS1-1000-13-600	1016	40.000	600	600	830	32 <sup>11</sup> / <sub>16</sub>	1370	890	600	320	967	1610	2252	2895	28125		

# TB6 SPREADERBEAM



Material: Carbon Steel

Order by Part No., Beam Reference and Rod Centres "S"

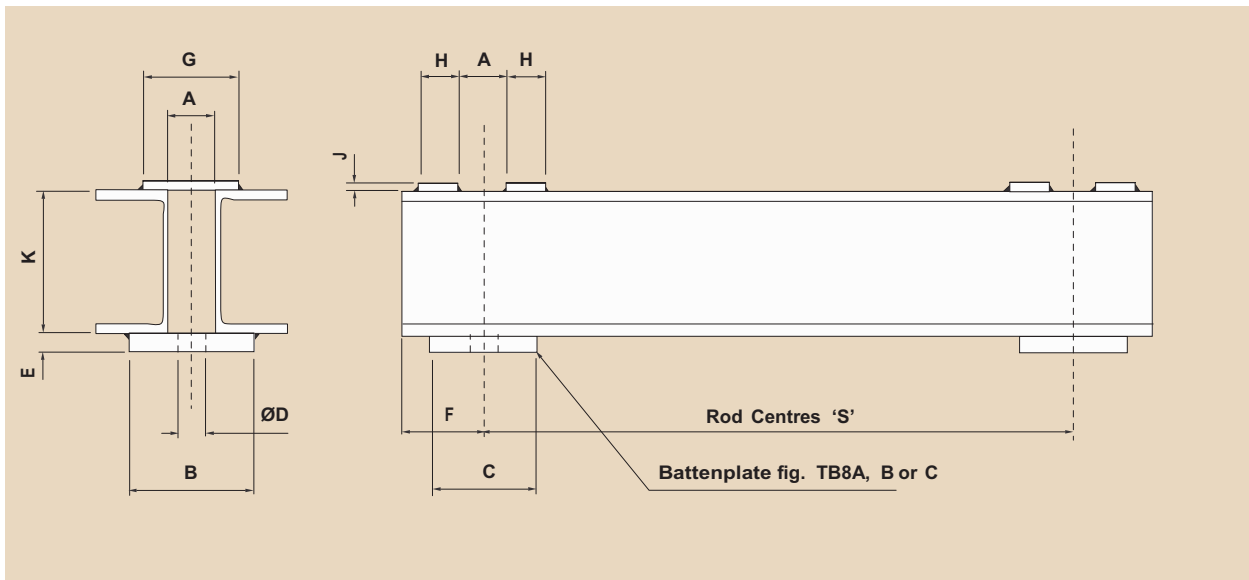
PART No.	ROD DIA	LOAD CAPACITY		LOAD GROUP	B	C	D	E	WEIGHT EXCLUDING BEAM
		kg	kN						
TB6M10	10	720	7.0	1	30	36	10	50	0.78
TB6M12	12	1060	10.4	2	30	36	12	50	0.80
TB6M16	16	2020	19.8	3	30	42	16	50	1.0
TB6M20	20	3160	31.0	4	35	60	20	60	2.2
TB6M24	24	4560	44.8	5	40	70	24	60	4.0
TB6M30	30	7300	71.6	6	40	82	30	60	6.9
TB6M36	36	10680	104.8	7	55	95	36	75	11.5
TB6M42	42	14800	145.2	8	65	105	42	80	15.7
TB6M48	48	19300	189.2	9	70	125	48	90	27.2
TB6M56	56	26700	261.8	10	80	140	56	95	37.5
TB6M64	64	36000	353.0	11	90	160	64	105	48.3
TB6M72	72	46050	451.6	12	100	180	72	110	71.0

BEAM REFERENCE	DEPTH 'A' (NOM.) mm	WEIGHT PER METRE (NOM.) kgf
A	125	13.5
B	150	14.6
C	175	19.9
D	200	22.7
E	250	32.7
F	300	40.4
G	350	47.9
H	400	61.8
J	450	72.5
K	515	87.7
L	600	108.0

ORDER BY PART NUMBER AND ROD CENTRES 'S'

ROD DIA	LOAD CAPACITY		LOAD GROUP	BEAM REFERENCE FOR SPAN S = mm																			
	kgf	kN		250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000								
10	720	7.0	1														A		B		C		
12	1060	10.4	2						A								B				C	D	
16	2020	19.8	3				A		B								C		D			E	
20	3160	31.0	4			A	B			C		D							E			F	
24	4560	44.8	5			B		C		D				E							F	G	
30	7300	71.6	6				D			E				F						G		H	J
36	10680	104.8	7					E		F				G			H				J	K	
42	14800	145.2	8							G		H					J					K	L
48	19300	189.2	9							G		H		J									L
56	26700	261.8	10								J		K										
64	36000	353.0	11									K			L								
72	46050	451.6	12											L									

# TB7 SPREADER BEAM & TB8 BATTEN PLATE



Material: Carbon Steel

Order by Part No., Beam Reference and Rod Centres "S"

PART No.	ROD DIA	LOAD CAPACITY		LOAD GROUP	Fig. TB7A — PFC SPREADER BEAM FOR NO ROD ANGULATION										WEIGHT EXCLUDING CHANNELS kgf
		kg	kN		A	B	C	D	E	F	G	H	J		
TB7AM10	10	720	7.0	1	14	60	40	12	6	35	60	20	6	0.5	
TB7AM12	12	1060	10.4	2	16	65	50	14	8	35	65	20	6	0.7	
TB7AM16	16	2020	19.8	3	20	85	60	18	10	40	85	20	6	1.1	
TB7AM20	20	3160	31.0	4	24	85	60	22	10	50	85	30	8	1.4	
TB7AM24	24	4560	44.8	5	28	85	85	26	12	65	85	40	8	2.2	
TB7AM30	30	7300	71.6	6	36	120	100	33	16	80	120	50	8	4.3	
TB7AM36	36	10680	104.8	7	42	150	100	39	20	85	150	50	10	7.1	
TB7AM42	42	14800	145.2	8	48	170	110	45	25	85	170	50	10	10.0	
TB7AM48	48	19300	189.2	9	54	180	130	51	25	100	180	60	12	13.3	
TB7AM56	56	26700	261.8	10	64	200	150	60	30	125	200	80	12	20.2	
TB7AM64	64	36000	353.0	11	72	200	180	68	35	150	200	100	16	29.2	
TB7AM72	72	46050	451.6	12	80	200	200	76	40	160	200	100	20	37.7	

PART No.	ROD DIA	LOAD CAPACITY		LOAD GROUP	Fig. TB7B — PFC SPREADER BEAM FOR USE WITH Fig. RA9 SPHERICAL WASHERS AND FOR MAX 5 Deg. ROD ANGULATION										WEIGHT EXCLUDING CHANNELS kgf
		kg	kN		A	B	C	D	E	F	G	H	J		
TB7BM10	10	720	7.0	1	38	90	60	16	10	55	90	30	6	1.4	
TB7BM12	12	1060	10.4	2	40	90	60	18	10	60	90	30	6	1.4	
TB7BM16	16	2020	19.8	3	48	100	80	22	12	70	100	40	6	2.3	
TB7BM20	20	3160	31.0	4	58	110	100	30	16	85	110	50	8	4.0	
TB7BM24	24	4560	44.8	5	68	120	100	33	20	95	120	50	8	5.3	
TB7BM30	30	7300	71.6	6	84	160	110	43	25	100	160	50	8	8.9	
TB7BM36	36	10680	104.8	7	98	200	150	48	30	135	200	75	10	18.8	
TB7BM42	42	14800	145.2	8	120	250	180	56	35	145	250	75	10	30.6	
TB7BM48	48	19300	189.2	9	135	260	200	64	40	180	260	100	12	42.5	
TB7BM56	56	26700	261.8	10	145	275	250	74	40	185	275	100	12	53.5	
TB7BM64	64	36000	353.0	11	155	300	250	84	50	195	300	100	16	73.0	
TB7BM72	72	46050	451.6	12	165	300	250	94	60	205	300	100	20	89.5	

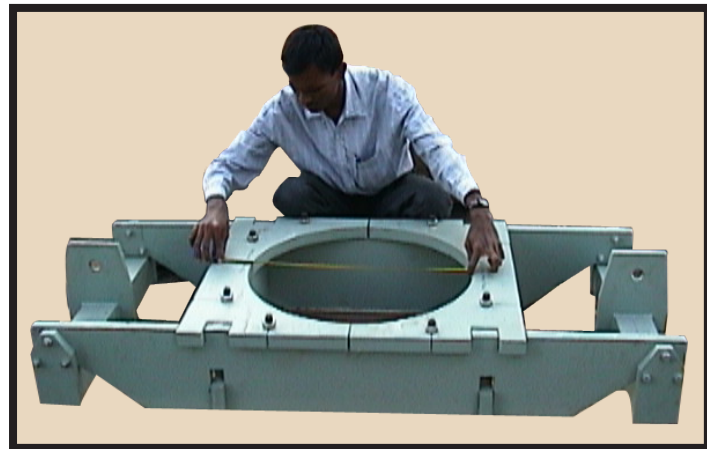
PART No.	ROD DIA	LOAD CAPACITY		LOAD GROUP	Fig. TB7C — PFC SPREADER BEAM FOR USE WITH Fig. 281 DUAL FACED ROCKER WASHERS AND FOR MAX 5 Deg. ROD ANGULATION										WEIGHT EXCLUDING CHANNELS kgf
		kg	kN		A	B	C	D	E	F	G	H	J		
TB7CM12	12	1060	10.4	2	40	90	90	38	10	60	90	30	6	1.8	
TB7CM16	16	2020	19.8	3	48	100	100	38	16	70	100	40	6	3.1	
TB7CM20	20	3160	31.0	4	58	110	110	49	20	85	110	50	8	5.2	
TB7CM24	24	4560	44.8	5	68	120	120	49	20	95	120	50	8	6.0	
TB7CM30	30	7300	71.6	6	84	160	160	66	25	100	160	50	8	12.1	
TB7CM36	36	10680	104.8	7	98	200	200	66	30	135	200	75	10	23.5	
TB7CM42	42	14800	145.2	8	120	250	250	74	35	145	250	75	10	40.2	
TB7CM48	48	19300	189.2	9	135	260	260	82	40	180	260	100	12	52.2	
TB7CM56	56	26700	261.8	10	145	275	275	93	50	185	275	100	12	69.7	
TB7CM64	64	36000	353.0	11	155	300	300	104	50	195	300	100	16	84.8	

SPREADER BEAM ASSEMBLY INCLUDES TWO BATTENPLATES AS SHOWN  
BATTENPLATES CAN ALSO BE ORDERED SEPARATELY



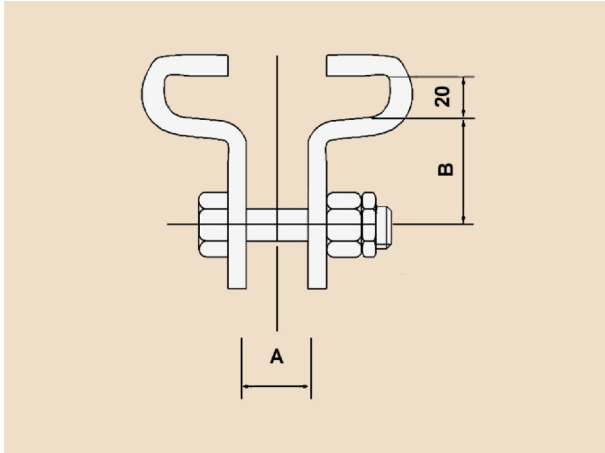


Clamps being hot formed in 150T press



Flat plate type riser clamp

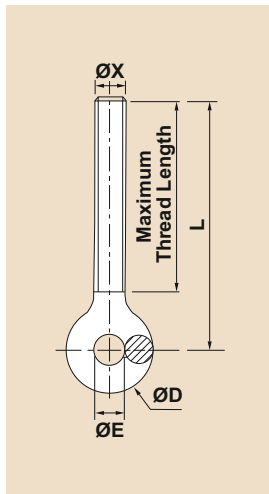
## UA6 BEAM CLAMP



PART No.	FLANGE WIDTH	STEEL SIZE	A	B	BOLT SIZE	LOAD CAPACITY	
						kgf	kN
UA6-1	63-152	35x8	10	40	M10	360	3.5
	203 max.	40x10					
UA6-2	63-152	40x10	12	40	M12	500	4.9
	203 max.	45x10					
UA6-3	63-152	45x10	16	45	M16	650	6.4
	203 max.	60x10					
UA6-4	63-178	55x12	20	55	M20	900	8.8
	254 max.	70x12					
UA6-5	63-178	70x12	20	65	M20	1200	11.8
	254 max.	60x15					
UA6-6	63-178	60x15	20	65	M20	1550	15.2
	254 max.	80x15					

Material: Carbon Steel Order by Part No. & Beam Size

## RA16 FORGED EYEBOLT RIGHT HAND RA16A FORGED EYEBOLT LEFT HAND



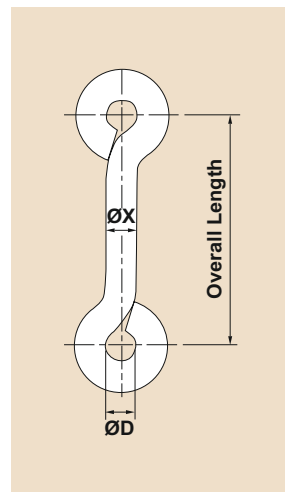
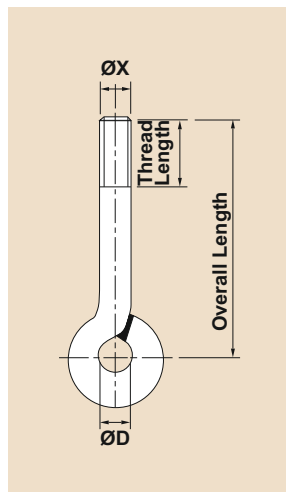
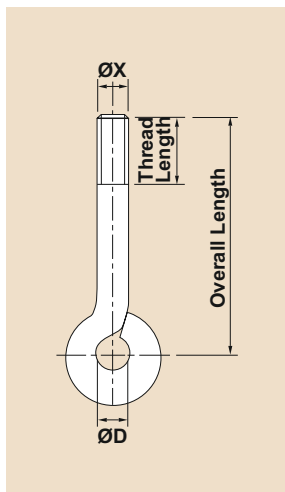
PART Nos.		DIA X	L	MAX TREAD LENGTH	MIN DIA D	DIA E	LOAD CAPACITY	
RH THREAD	LH THREAD						kgf	kN
RA16 M10	RA16 AM10	10	300	275	7	16	360	3.5
RA16 M12	RA16 AM12	12	300	270	9	18	530	5.2
RA16 M16	RA16 AM16	16	300	270	12	22	1010	9.9
RA16 M20	RA16 AM20	20	300	260	14	26	1580	15.5
RA16 M24	RA16 AM24	24	300	260	17	30	F2280	22.4
RA16 M30	RA16 AM30	30	300	255	21	36	3650	35.8
RA16 M36	RA16 AM36	36	300	245	26	42	5340	52.4
RA16 M42	RA16 AM42	42	300	235	30	48	7400	72.6
RA16 M48	RA16 AM48	48	340	220	35	44	9650	94.6
RA16 M56	RA16 AM56	56	355	230	41	57	13350	130.9
RA16 M64	RA16 AM64	64	370	230	47	60	18000	176.5
RA16 M72	RA16 AM72	72	420	240	57	76	23025	225.8
RA16 M80	RA16 AM80	80	500	260	60	90	28125	275.8
RA16 M90	RA16 AM90	90	600	320	70	100	35595	349.1

Material: Forged Steel Sizes M42 and above are oval eye pattern. Equivalent fabricated design is also available

**BENT EYE ROD**  
RA17 RH  
RA17A LH

**BENT EYE ROD WELDED**  
RA18 RH  
RA18A LH

**RA 19 DOUBLE BENT EYE ROD**



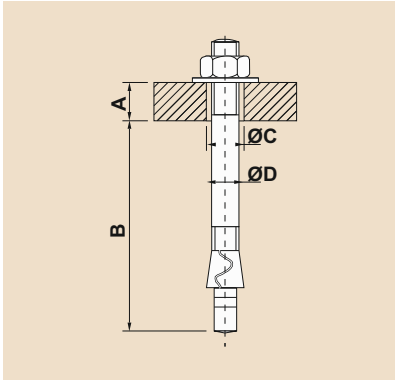
DIA X	DIA D	LOAD CAPACITY	
		kgf	kN
10	12	105	1.0
12	15	160	1.6
16	19	285	2.8
20	24	430	4.2
24	28	660	6.5
30	43	1080	10.6
36	49	2100	20.6
42	55	2950	28.9

For Thread lengths see Fig RA2 Hanger Rod (Page 8)

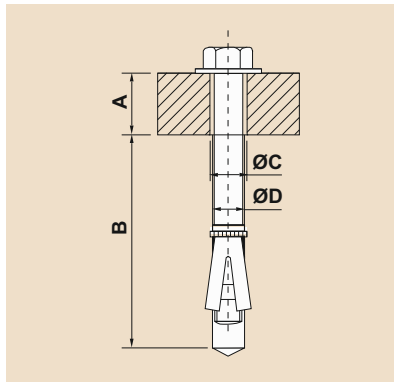
Material: Carbon Steel Order by Figure number, size and overall length



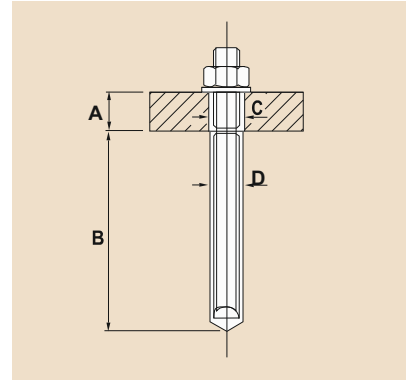
### HILTI HSA KA



### HILTI HSL



### HILTI HVA ADHESIVE ANCHOR



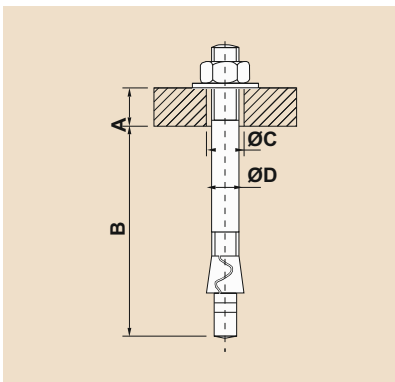
Material: Carbon Steel. Also available in Stainless Steel

PART NUMBER	(MAX)A	B	C	D
M8/20	20	80	14	12
M8/40	40	80	14	12
M10/20	20	90	17	15
M10/40	40	90	17	15
M12/25	25	100	20	18
M12/50	50	100	20	18
M16/25	25	125	26	24
M16/50	50	125	26	24
M20/30	30	155	31	28
M20/60	60	155	31	28
M24/30	30	180	35	32
M24/60	60	180	35	32

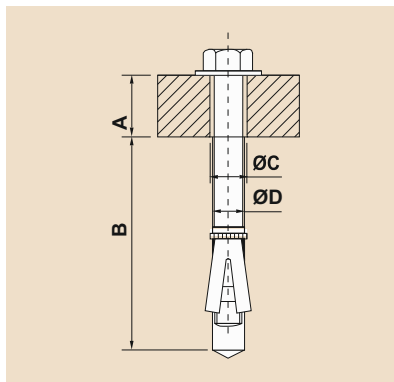
PART NUMBER	(MAX)A	B	C	D
M8	14	80	11	10
M10	21	90	13	12
M12	28	110	15	14
M16	38	125	19	18
M20	48	170	25	24
M24	54	210	29	28
M27	60	240	31	30
M30	70	270	36	35
M33	80	300	38	37
M36	90	330	41	40
M39	100	360	43	42

Adhesive anchor. HVU capsule with HAS rod.

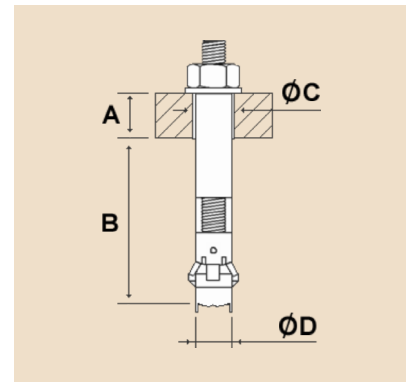
### HILTI HST



### HILTI HSL-TZ



### HILTI HUC



Material: Carbon Steel. Also available in Stainless Steel

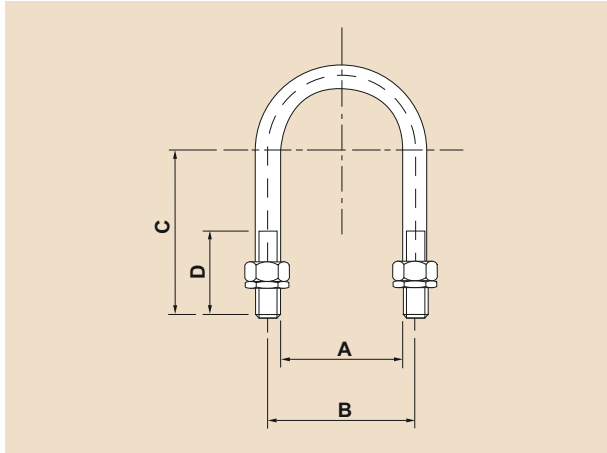
PART NUMBER	(MAX)A	B	C	D
M8/95	30	65	9	8
M10/110	30	80	12	10
M12/145	50	95	14	12
M12/215	120	95	14	12
M16/165	50	115	18	16
M16/215	100	115	18	16
M20/200	60	140	22	20
M20/270	130	140	22	20
M24/230	60	170	26	24

PART NUMBER	(MAX)A	B	C	D
M8/40	40	80	14	12
M10/40	40	90	17	15
M12/50	50	105	20	18
M16/50	50	125	26	24
M20/60	60	160	31	18
M24/60	60	180	35	32

PART NUMBER	(MAX)A	B	C	D
M12x125/25	30	155	27	25
M12x125/50	50	155	27	25
M12x125/75	75	155	27	25
M16x170/30	35	200	33	30
M16x170/60	60	200	33	30
M16x170/90	90	200	33	30
M20x220/30	35	260	35	32
M20x220/60	60	260	35	32
M20x220/90	90	260	35	32

Note: This item requires concrete undercutting tool.

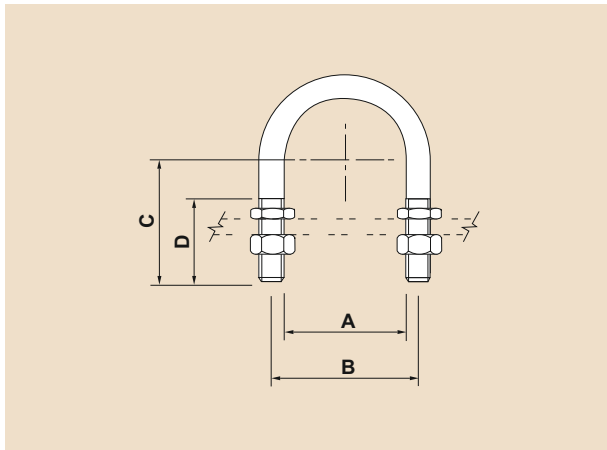
## PA8 U BOLT GRIP TYPE -20°C to 350°C



Material: Carbon Steel. Also available in Stainless Steel

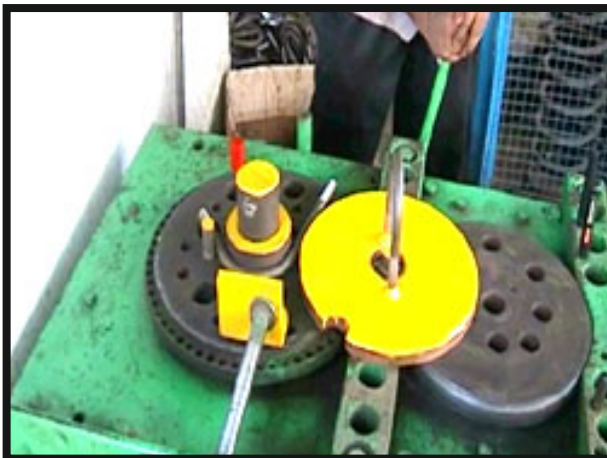
PART No.	PIPE NB		Thread Size	A	B	C	D	Load capacities (kg)		
	mm	in						Vertical	Lateral	Axial
PA8-10	10	3/8	8	19	27	34	23	460	210	100
PA8-15	15	1/2	8	23	31	36	25	460	170	80
PA8-20	20	3/4	8	29	37	43	25	460	140	70
PA8-25	25	1	8	37	45	44	25	460	100	50
PA8-32	32	1 1/4	8	47	55	50	25	460	80	40
PA8-40	40	1 1/2	10	50	60	61	35	720	140	70
PA8-50	50	2	10	65	75	65	35	720	110	60
PA8-65	65	2 1/2	12	78	90	86	45	1060	160	80
PA8-80	80	3	16	92	108	98	50	2020	330	170
PA8-100	100	4	16	119	135	110	50	2020	250	120
PA8-125	125	5	16	144	160	123	50	2020	210	100
PA8-150	150	6	20	170	190	141	55	3160	340	170
PA8-200	200	8	20	225	245	176	65	3160	260	130
PA8-250	250	10	20	280	300	203	65	3160	210	100
PA8-300	300	12	20	330	350	228	65	3160	170	90
PA8-350	350	14	24	361	385	251	75	4560	280	140
PA8-400	400	16	24	411	435	285	80	4560	240	120
PA8-450	450	18	24	461	485	300	70	4560	220	110
PA8-500	500	20	24	516	540	334	75	4560	190	100
PA8-600	600	24	24	616	640	383	75	4560	160	80

## PA9 U BOLT NON GRIP TYPE -20°C to 350°C



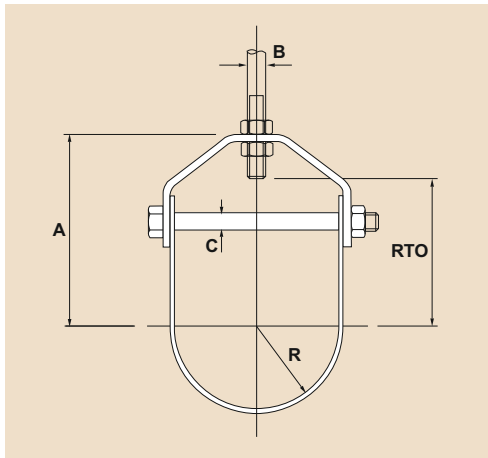
Material: Carbon Steel. Also available in Stainless Steel

PART No.	PIPE NB		Thread Size	A	B	C	D	Load Capacities (kg)		
	mm	in						Vertical	Lateral	Axial
PA9-10	10	3/8	8	28	36	23	23	170	130	70
PA9-15	15	1/2	8	32	40	25	25	150	120	60
PA9-20	20	3/4	8	37	45	33	30	140	100	50
PA9-25	25	1	8	42	50	35	30	130	90	40
PA9-32	32	1 1/4	8	52	60	40	30	110	70	40
PA9-40	40	1 1/2	10	55	65	53	40	190	130	70
PA9-50	50	2	10	70	80	60	40	160	100	50
PA9-65	65	2 1/2	12	83	95	73	50	230	150	80
PA9-80	80	3	16	94	110	85	55	470	310	160
PA9-100	100	4	16	124	140	95	55	380	240	120
PA9-125	125	5	16	149	165	108	55	330	200	100
PA9-150	150	6	20	175	195	128	65	540	330	160
PA9-200	200	8	20	230	250	150	65	430	250	130
PA9-250	250	10	20	285	305	183	75	350	200	100
PA9-300	300	12	20	335	355	208	75	310	170	90
PA9-350	350	14	24	366	390	230	80	480	270	140
PA9-400	400	16	24	416	440	255	80	430	240	120
PA9-450	450	18	24	471	495	278	80	380	210	110
PA9-500	500	20	24	521	545	303	80	350	190	100
PA9-600	600	24	24	621	645	353	80	300	160	80



U Bolt forming M/C

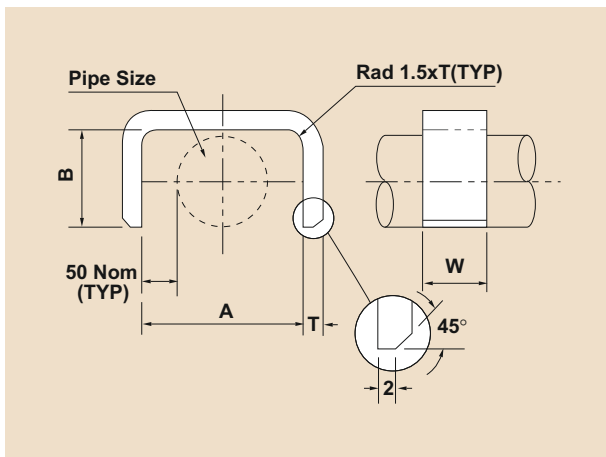
## PA10 CLEVIS HANGER -20°C TO 100°C



Material: Carbon Steel

PART No.	PIPE NB		A	B	C	R	RTO	SWL		TOP STEEL SIZE	BOTTOM STEEL SIZE
	mm	in						Kgf	KN		
PA10-15	15	1/2	60	M6	M6	11.0	39	250	2.45	25x3	25x3
PA10-20	20	3/4	64	M6	M6	13.5	42	250	2.45	25x3	25x3
PA10-25	25	1	65	M6	M6	17.0	45	250	2.45	25x3	25x3
PA10-32	32	1 1/4	72	M10	M10	21.5	50	250	2.45	30x3	30x3
PA10-40	40	1 1/2	76	M10	M10	24.5	54	250	2.45	30x3	30x3
PA10-50	50	2	79	M10	M10	30.5	58	250	2.45	30x3	30x3
PA10-65	65	2 1/2	105	M12	M12	38.0	74	500	4.9	40x5	40x3
PA10-80	80	3	115	M12	M12	44.5	82	500	4.9	40x5	40x3
PA10-100	100	4	140	M12	M12	57.5	101	500	4.9	40x5	40x3
PA10-125	125	5	160	M16	M16	70.0	117	600	5.88	50x6	50x6
PA10-150	150	6	183	M16	M16	86.0	137	850	8.34	50x6	50x6
PA10-175	175	7	200	M20	M16	99.0	148	850	8.34	50x10	50x6
PA10-200	200	8	215	M20	M16	112.0	162	850	8.34	50x10	50x6
PA10-250	250	10	255	M20	M20	139.0	197	1550	15.2	50x10	50x6
PA10-300	300	12	283	M24	M20	165.0	221	1550	15.2	50x12	50x10
PA10-350	350	14	305	M24	M20	181.0	240	1750	17.2	60x12	60x10
PA10-400	400	16	336	M24	M24	206.0	270	1850	18.1	60x12	60x10
PA10-450	450	18	390	M24	M24	232.0	310	2000	19.6	80x12	80x10
PA10-500	500	20	440	M30	M24	258.0	344	2000	19.6	80x15	80x12
PA10-600	600	24	495	M30	M24	309.0	397	2000	19.6	80x15	80x12
PA10-750	750	30	610	M30	M42	385.0	499	2000	19.6	80x20	80x12

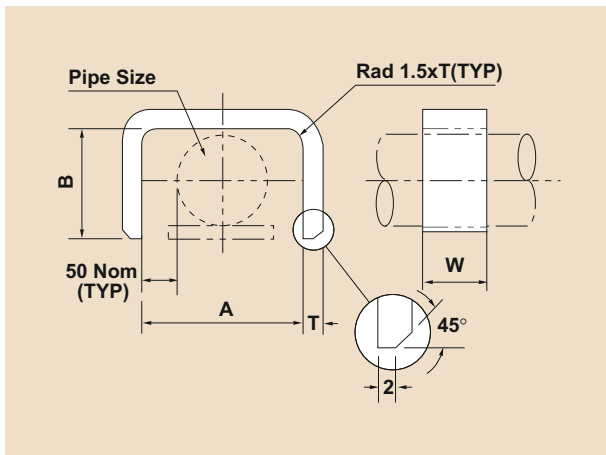
## PA11 WELDED OVERSTRAP TYPE 2A -20°C TO 350°C



Material: Carbon Steel

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						VERTICAL		AXIAL	
						kgf	kN	kgf	kN
PA11-20	20	127	30	50	8	405	4.0	895	8.8
PA11-25	25	133	37	50	8	395	3.9	750	7.4
PA11-32	32	142	46	50	8	380	3.7	620	6.1
PA11-40	40	148	52	50	8	370	3.6	560	5.5
PA11-50	50	160	64	75	12	1150	11.3	1525	15.0
PA11-80	80	189	93	75	12	1020	10.0	1095	10.7
PA11-100	100	214	118	100	12	1240	12.2	1345	13.2
PA11-150	150	268	172	140	20	3900	38.2	3325	32.6

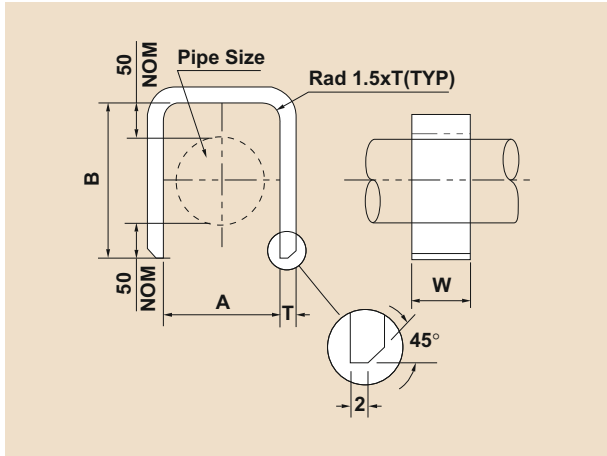
## PA12 WELDED OVERSTRAP TYPE 2B -20°C TO 350°C



Material : Stainless Steel Grade PA13

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						VERTICAL		AXIAL	
						kgf	kN	kgf	kN
PA12-20	20	127	36	50	8	230	2.3	430	4.2
PA12-25	25	133	43	50	8	225	2.2	370	3.6
PA12-32	32	142	52	50	8	215	2.1	310	3.0
PA12-40	40	148	58	50	8	210	2.1	285	2.8
PA12-50	50	160	70	75	12	650	6.4	785	7.7
PA12-80	80	189	99	75	12	575	5.6	575	5.6
PA12-100	100	214	124	100	12	695	6.8	715	7.0
PA12-150	150	268	268	140	20	2185	21.4	1790	17.6

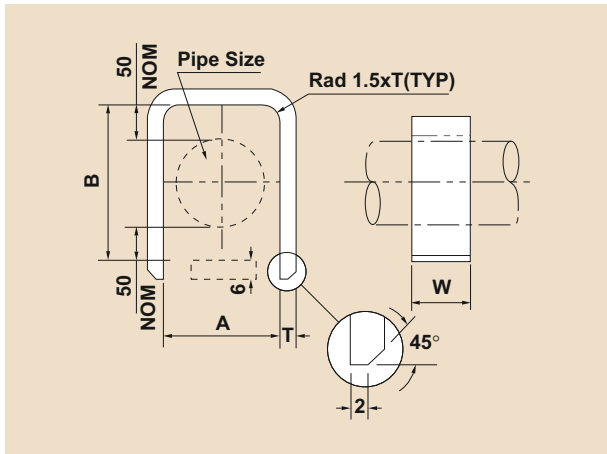
**PA13 WELDED OVERSTRAP TYPE 3A -20°C TO 350°C**



Material: Carbon Steel

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						VERTICAL		AXIAL	
						kgf	kN	kgf	kN
PA13-20	20	30	127	50	8	600	5.9	160	1.6
PA13-25	25	37	133	50	8	575	5.6	155	1.5
PA13-32	32	46	142	50	8	535	5.2	145	1.4
PA13-40	40	52	148	50	8	515	5.1	140	1.4
PA13-50	50	64	160	75	12	1610	15.8	425	4.2
PA13-80	80	93	189	75	12	1360	13.3	355	3.5
PA13-100	100	118	214	100	12	2135	20.9	430	4.2
PA13-150	150	172	268	140	20	5575	54.7	1295	12.7

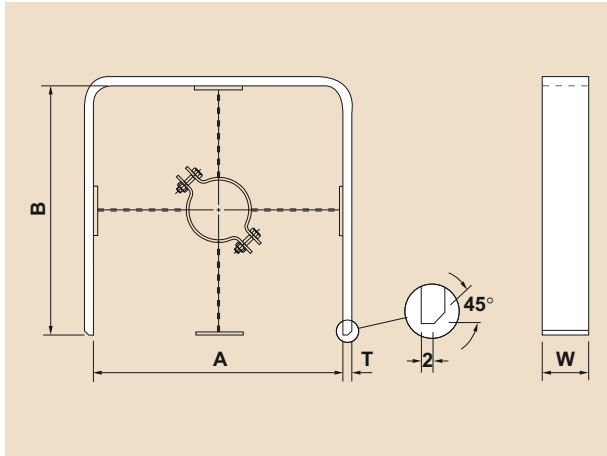
**PA14 WELDED OVERSTRAP TYPE 3B -20°C TO 350°C**



Material : Stainless Steel Grade PA13

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						VERTICAL		AXIAL	
						kgf	kN	kgf	kN
PA14-20	20	30	133	50	8	320	3.1	85	0.80
PA14-25	25	37	139	50	8	305	3.0	80	0.80
PA14-32	32	46	148	50	8	285	2.8	75	0.70
PA14-40	40	52	154	50	8	275	2.7	75	0.70
PA14-50	50	64	166	75	12	860	8.4	225	2.2
PA14-80	80	93	195	75	12	735	7.2	195	1.9
PA14-100	100	118	220	100	12	1155	11.3	230	2.3
PA14-150	150	172	274	140	20	3030	29.7	705	6.9

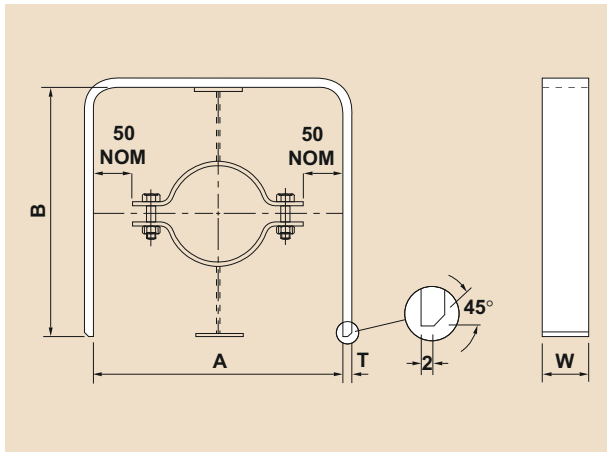
## PA15 WELDED OVERSTRAP TYPE 4 -20°C TO 350°C



Material: Carbon Steel

PART Nos.		PIPE SIZE	TWO SIZES AVAILABLE		W	T	LOAD CAPACITIES SIZE 1				LOAD CAPACITIES LOAD SIZE 2			
SIZE 1	SIZE 2		SIZE 1	SIZE 2			VERTICAL		TRANSVERSE		VERTICAL		TRANSVERSE	
			A&B	A&B			kgf	kN	kgf	kN	kgf	kN	kgf	kN
PA15-1-20	PA15-2-20	20	129	229	75	15	2415	23.7	760	7.5	1470	14.4	440	4.3
PA15-1-25	PA15-2-25	25	135	235	75	15	2325	22.8	725	7.1	1435	14.1	425	4.2
PA15-1-32	PA15-2-32	32	144	244	75	15	2200	21.6	685	6.7	1385	13.6	410	4.0
PA15-1-40	PA15-2-40	40	150	250	75	15	2125	20.8	660	6.5	1355	13.3	405	4.0
PA15-1-50	PA15-2-50	50	162	262	75	15	1990	19.5	610	6	1990	19.5	610	6.0
PA15-1-65	PA15-2-65	65	175	275	90	20	3805	37.3	1180	11.6	2580	25.3	770	7.6
PA15-1-80	PA15-2-80	80	192	292	90	20	3520	34.5	1080	10.6	2445	24.0	725	7.1

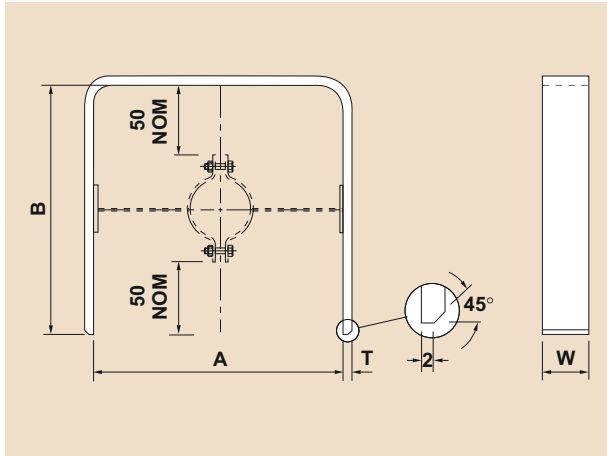
## PA16 WELDED OVERSTRAP TYPE 5 -20°C TO 350°C



Material: Carbon Steel

PART Nos.		PIPE SIZE	A	TWO SIZES AVAILABLE		W	T	LOAD CAPACITY			
SIZE 1	SIZE 2			SIZE 1	SIZE 2			VERTICAL SIZE 1		VERTICAL SIZE 2	
				B	B			kgf	kN	kgf	kN
PA16-1-20	PA16-2-20	20	229	129	229	75	15	1350	13.2	1470	14.4
PA16-1-25	PA16-2-25	25	235	135	235	75	15	1350	12.9	1435	14.1
PA16-1-32	PA16-2-32	32	244	144	244	75	15	1285	12.6	1385	13.6
PA16-1-40	PA16-2-40	40	250	150	250	75	15	1260	12.4	1355	13.3
PA16-1-50	PA16-2-50	50	262	162	262	75	15	1215	11.9	1300	12.7
PA16-1-65	PA16-2-65	65	275	175	275	90	20	2445	24.0	2580	25.3
PA16-1-80	PA16-2-80	80	292	192	292	90	20	2330	22.8	2445	24.0

**PA17 WELDED OVERSTRAP TYPE 6 -20°C TO 350°C**

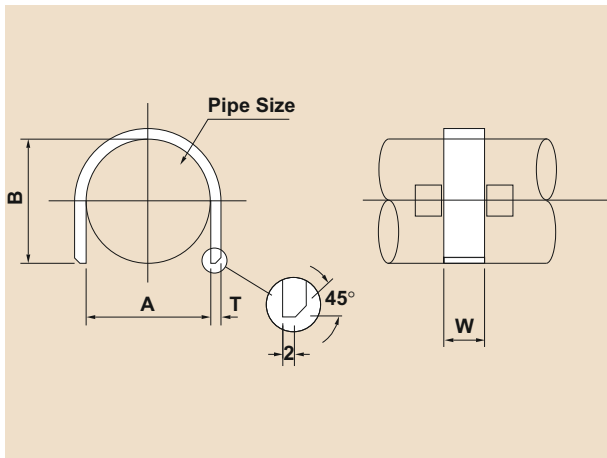


Material: Carbon Steel

PART Nos.		PIPE SIZE	TWO SIZES AVAILABLE		B	W	T	LOAD CAPACITY			
SIZE 1	SIZE 2		SIZE 1	SIZE 2				TRANSVERSE SIZE 1		TRANSVERSE SIZE 2	
			A	A				kgf	kN	kgf	kN
PA17-1-20	PA17-2-20	20	129	229	229	75	15	450	4.4	440	4.3
PA17-1-25	PA17-2-25	25	135	235	235	75	15	435	4.3	25	4.2
PA17-1-32	PA17-2-32	32	144	244	244	75	15	420	4.1	410	4.0
PA17-1-40	PA17-2-40	40	150	250	250	75	15	410	4.0	405	4.0
PA17-1-50	PA17-2-50	50	162	262	262	75	15	395	3.9	385	3.8
PA17-1-65	PA17-2-65	65	175	275	275	90	20	780	7.6	770	7.6
PA17-1-80	PA17-2-80	80	192	292	292	90	20	735	7.2	725	7.1

**PA18 WELDED OVERSTRAP TYPE 1A -20°C TO 350°C**

-20°C TO 350°C

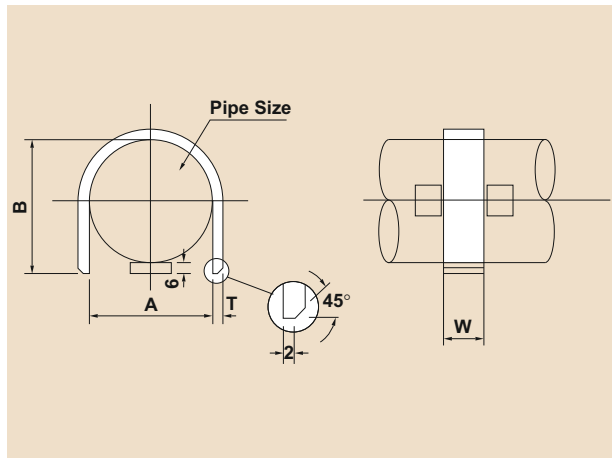


Material: Carbon Steel

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITY					
						VERTICAL		AXIAL		TRANSVERSE	
						kgf	kN	kgf	kN	kgf	kN
PA18-20	20	30	30	50	8	1615	15.8	2125	20.8	585	5.7
PA18-25	25	37	37	50	8	1390	13.6	2060	20.2	485	4.8
PA18-32	32	46	46	50	8	1185	11.6	1655	16.2	400	3.9
PA18-40	40	52	52	50	8	1075	10.5	1465	14.4	355	3.5
PA18-50	50	64	64	75	12	2820	27.7	4020	39.4	965	9.5
PA18-80	80	93	93	75	12	2105	20.6	2765	27.1	680	6.7
PA18-100	100	118	118	100	20	5800	56.9	6460	63.4	1915	18.8
PA18-150	150	172	172	140	25	9005	88.3	10860	106.5	2940	28.8

**PA19 WELDED OVERSTRAP TYPE 1B -20°C TO 350°C**

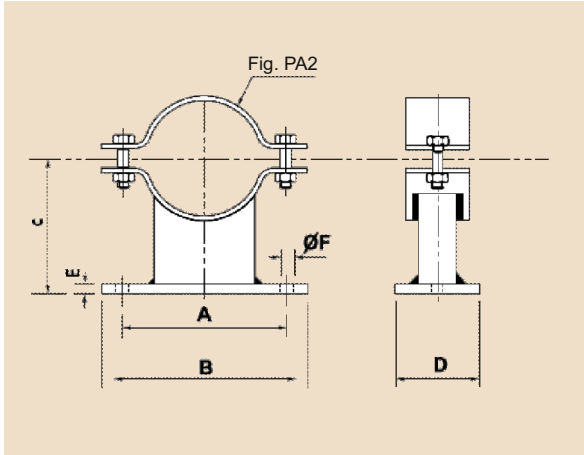
-20°C TO 350°C



Material: Stainless Steel Grade PA13

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITY					
						VERTICAL		AXIAL		TRANSVERSE	
						kgf	kN	kgf	kN	kgf	kN
PA19-20	20	30	36	50	8	800	7.8	1175	11.5	280	2.7
PA19-25	25	37	43	50	8	700	6.9	985	9.7	240	2.4
PA19-32	32	46	52	50	8	605	5.9	815	8.0	200	2.0
PA19-40	40	52	58	50	8	555	5.4	730	7.2	180	1.8
PA19-50	50	64	70	75	12	1475	14.5	2040	20.0	495	4.9
PA19-80	80	93	99	75	12	1115	10.9	1445	14.2	360	3.5
PA19-100	100	118	124	100	20	115	30.5	3415	33.5	1020	10.0
PA19-150	150	172	178	140	25	4880	47.9	5830	57.2	1585	15.5

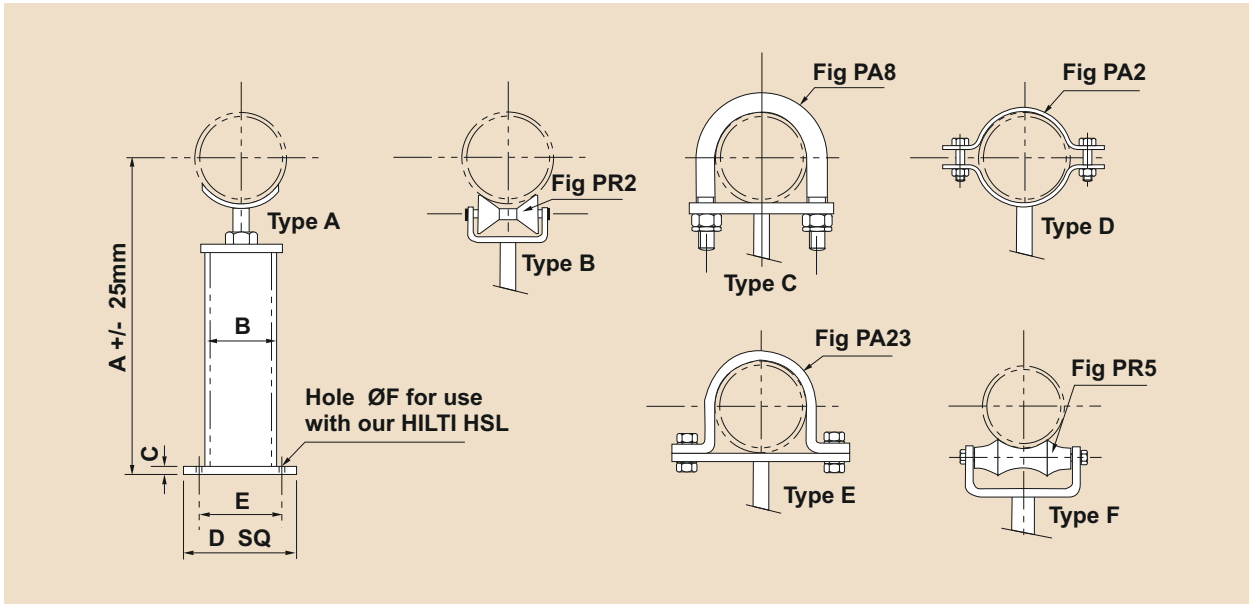
**PA20 OFFSET PIPE CLAMP -20°C TO 350°C**



PART No.	PIPE SIZE	A	B	C	D	E	F	LOAD CAPACITY	
								kgf	kN
PA20-15	15	60	100	55	35	5	12	280	2.7
PA20-20	20	70	110	55	35	5	12	280	2.7
PA20-25	25	70	110	60	35	5	12	280	2.7
PA20-32	32	80	120	70	35	8	14	280	2.7
PA20-40	40	90	130	80	35	8	14	280	2.7
PA20-50	50	100	140	85	35	8	14	280	2.7
PA20-65	65	110	160	90	45	10	18	450	4.4
PA20-80	80	120	170	95	45	10	18	450	4.4
PA20-100	100	140	190	110	45	10	18	450	4.4
PA20-125	125	160	210	120	45	10	18	450	4.4
PA20-150	150	180	230	135	45	10	18	450	4.4
PA20-200	200	220	270	160	60	10	18	520	5.1

Material: Carbon Steel

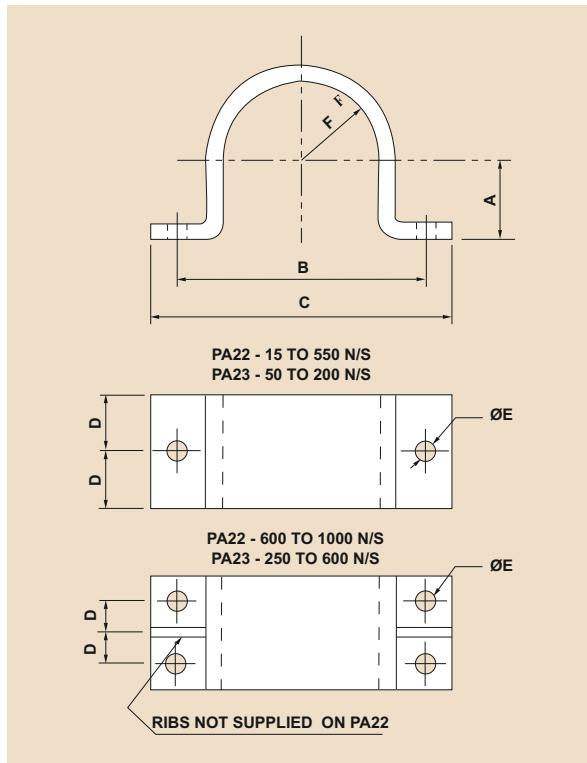
**PA21 ADJUSTABLE PEDESTAL SUPPORT -20°C TO 350°C**



Material: Carbon Steel Order by Part No., Type, Pipe Size & Height 'A'

PART No.	B	C	D	E	ØF	Recommended Type 285 Fixing Bolt	LOAD CAPACITY (kg) AT HEIGHT A =					
							500	1000	1500	2000	2500	3000
PA21-1	60.3	10	170	130	15	M10	490	250	160	120	90	70
PA21-2	76.1	12	200	150	18	M12	800	410	270	200	150	130
PA21-3	88.9	15	240	190	18	M12	1110	570	380	280	220	180
PA21-4	114.3	20	280	220	24	M16	2050	1070	720	540	420	350
PA21-5	139.7	20	400	320	28	M20	4110	2170	1470	1110	880	730
PA21-6	168.3	25	440	360	32	M24	5930	3180	2170	1640	1310	1090
PA21-7	219.1	25	660	580	32	M24	9850	5380	3700	2810	2260	1890

**PA22 HOLD DOWN PIPE CLAMP**  
**PA23 ANCHOR HOLD DOWN CLAMP**



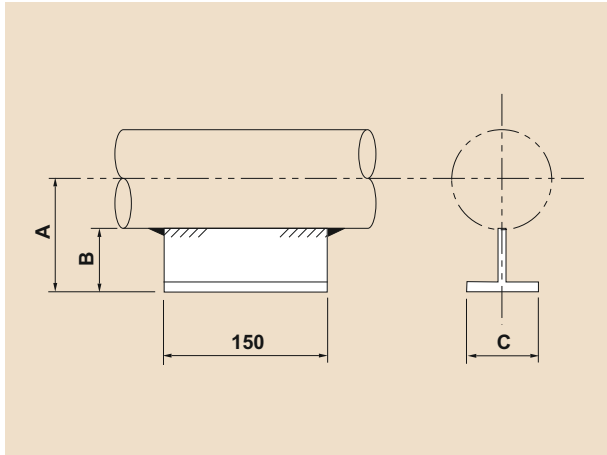
Material: Carbon Steel

PART No.	PIPE SIZE	PIPE O/D	A	B	C	D	ØE	F	STEEL SIZE
PA22-15	15	21.3	10	70	110	17.5	12	11.5	35x5
PA22-20	20	26.9	13	80	120	17.5	12	14	35x5
PA22-25	25	33.7	16	90	130	17.5	12	18	35x5
PA22-32	32	42.4	20	110	140	17.5	15	22	35x8
PA22-40	40	48.3	23	120	160	17.5	15	25	35x8
PA22-50	50	60.3	29	130	170	17.5	15	31	35x8
PA22-65	65	76.1	36	160	210	22.5	19	40	45x10
PA22-80	80	88.9	43	180	230	22.5	19	46	45x10
PA22-100	100	114.3	55	210	260	22.5	19	59	45x10
PA22-125	125	139.7	68	240	300	30.0	24	72	60x10
PA22-150	150	168.3	82	270	330	30.0	24	86	60x10
PA22-175	175	193.7	95	310	370	27.5	24	99	55x15
PA22-200	200	219.1	107	340	400	27.5	24	112	55x15
PA22-225	225	244.5	122	360	420	27.5	24	124	55x15
PA22-250	250	273.0	135	390	450	27.5	24	138	55x15
PA22-300	300	323.9	162	440	500	27.5	24	164	55x15
PA22-350	350	355.6	172	480	540	27.5	24	180	55x15
PA22-400	400	406.4	202	530	600	30.0	28	205	60x15
PA22-450	450	457.0	228	590	660	30.0	28	231	60x15
PA22-500	500	508.0	258	640	710	30.0	28	256	60x15
PA22-550	550	559.0	278	690	760	30.0	28	282	60x15
PA22-600	600	610	305	730	790	30.0	24	308	100x15
PA22-650	650	660	328	780	840	30.0	24	333	100x15
PA22-700	700	711	355	830	890	30.0	24	358	100x15
PA22-750	750	762	380	890	950	30.0	24	385	100x15
PA22-800	800	813	405	970	1040	33.0	28	410	110x20
PA22-850	850	864	430	1020	1090	33.0	28	435	110x20
PA22-900	900	914	455	1070	1140	33.0	28	460	110x20
PA22-1000	1000	1016	507	1170	1240	33.0	28	511	110x20

PART No.	PIPE SIZE	PIPE O/D	A	B	C	D	ØE	F	STEEL SIZE
PA23-50	50	60.3	27	150	210	40	22	31	80x10
PA23-65	65	76.1	34	170	230	40	22	40	80x10
PA23-80	80	88.9	40	180	240	40	22	46	80x10
PA23-100	100	114.3	53	210	270	40	22	59	80x10
PA23-125	125	139.7	65	240	300	40	22	72	80x10
PA23-150	150	168.3	80	280	350	75	27	86	150x12
PA23-200	200	219.1	105	330	400	75	27	112	150x12
PA23-250	250	273.0	131	390	460	65	27	139	200x12
PA23-300	300	323.9	156	440	510	65	27	165	200x12
PA23-350	350	355.6	172	470	540	75	27	181	250x12
PA23-400	400	406.4	198	520	590	75	27	206	250x12
PA23-450	450	457.0	222	570	640	90	27	232	300x12
PA23-500	500	508.0	247	620	690	90	27	258	300x12
PA23-600	600	610	298	730	800	90	27	309	300x12



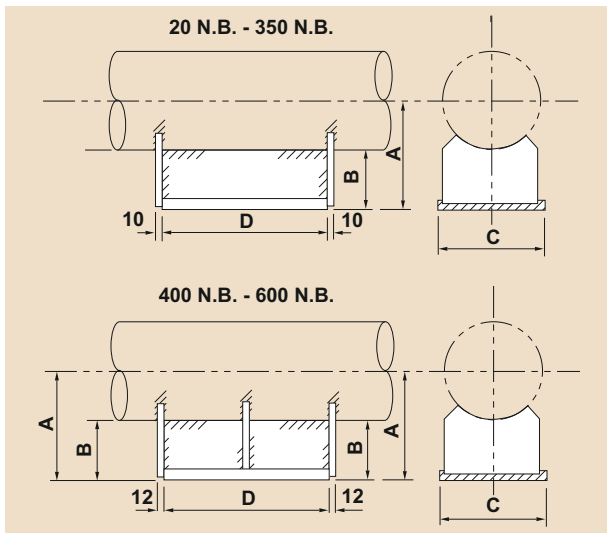
## PBL PIPE BASE LIGHT DUTY MAX. 150 N.B.



PART No.	PIPE N.B.	A	B	C	LOAD CAPACITY	
					kgf	kN
PBL-20	20	76	62	76	150	1.5
PBL-25	25	79	62	76	150	1.5
PBL-32	32	83	62	76	150	1.5
PBL-40	40	86	62	76	150	1.5
PBL-50	50	92	62	76	150	1.5
PBL-65	65	100	62	76	150	1.5
PBL-80	80	106	62	76	150	1.5
PBL-100	100	132	75	89	150	1.5
PBL-125	125	170	100	102	150	1.5
PBL-150	150	184	100	102	150	1.5

Material: Carbon Steel

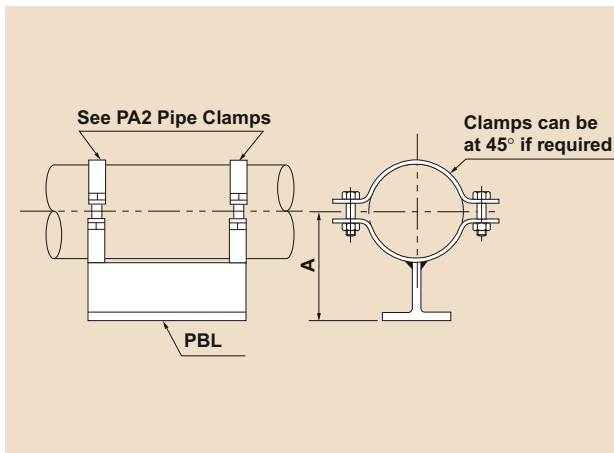
## PBH PIPE BASE HEAVY DUTY



Material: Carbon Steel

PART No.	PIPE N.B.	A	B	C	D	LOAD CAPACITY	
						kgf	kN
PBH-20	20	76	62	76	150	1200	11.8
PBH-25	25	79	62	76	150	1200	11.8
PBH-32	32	83	62	76	150	1200	11.8
PBH-40	40	86	62	76	150	1200	11.8
PBH-50	50	92	62	76	150	1200	11.8
PBH-65	65	100	62	76	150	1200	11.8
PBH-80	80	106	62	76	150	1200	11.8
PBH-100	100	132	75	89	150	1200	11.8
PBH-125	125	170	100	102	150	1200	11.8
PBH-150	150	184	100	102	150	1200	11.8
PBH-175	175	197	100	203	200	2000	19.6
PBH-200	200	210	100	203	200	2000	19.6
PBH-225	225	222	100	203	200	2000	19.6
PBH-250	250	237	100	203	200	2000	19.6
PBH-300	300	262	100	203	200	4000	39.2
PBH-350	350	278	100	203	200	4000	39.2
PBH-400	400	304	100	203	300	9000	88.3
PBH-450	450	329	100	203	300	12000	117.7
PBH-500	500	354	100	203	300	12000	117.7
PBH-550	550	380	100	203	300	12000	117.7
PBH-600	600	405	100	203	300	14000	137.3

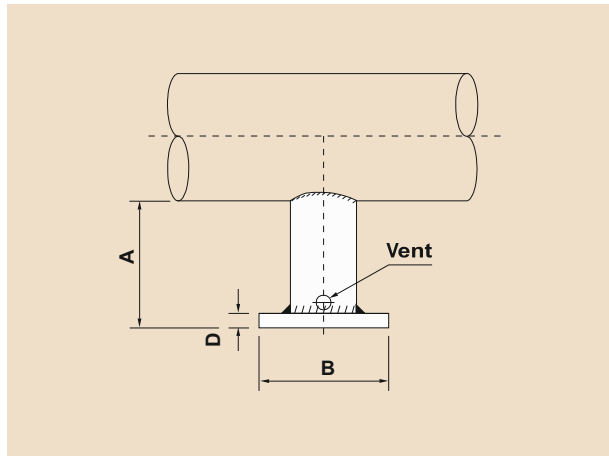
## PCL PIPE CLAMP BASE LIGHT DUTY MAX. 150 N.B.



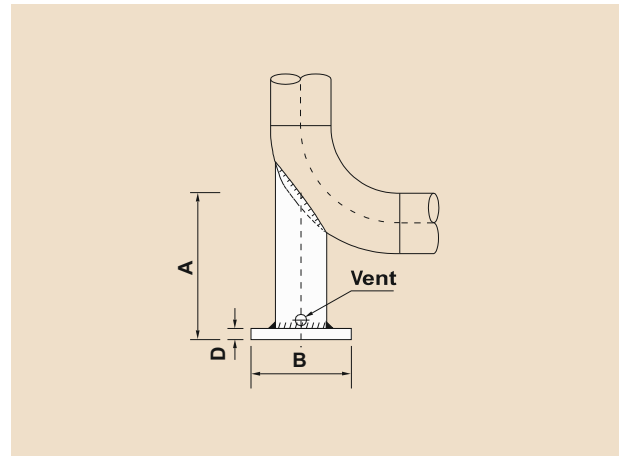
Material: Carbon Steel

PART No.	PIPE N.B.	A	LOAD CAPACITY	
			kgf	kN
PCL-20	20	81	150	1.5
PCL-25	25	85	150	1.5
PCL-32	32	89	150	1.5
PCL-40	40	92	150	1.5
PCL-50	50	98	150	1.5
PCL-65	65	107	150	1.5
PCL-80	80	113	150	1.5
PCL-100	100	139	150	1.5
PCL-125	125	177	150	1.5
PCL-150	150	191	150	1.5

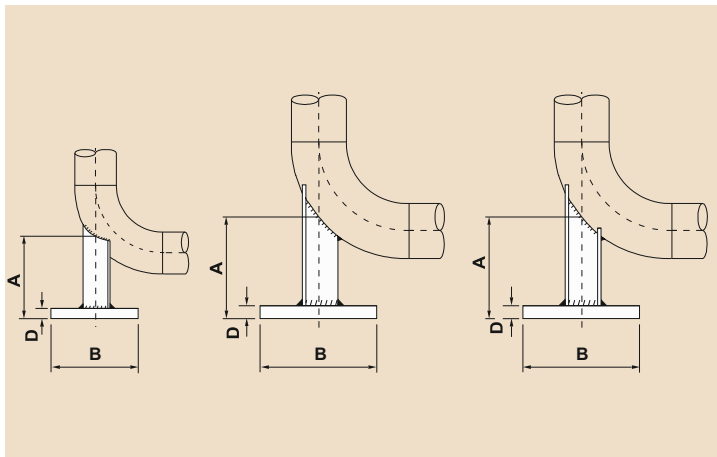
## PTB TUBULAR BASE



## PTE TUBULAR BASE



## PSB SECTIONAL BASE\*



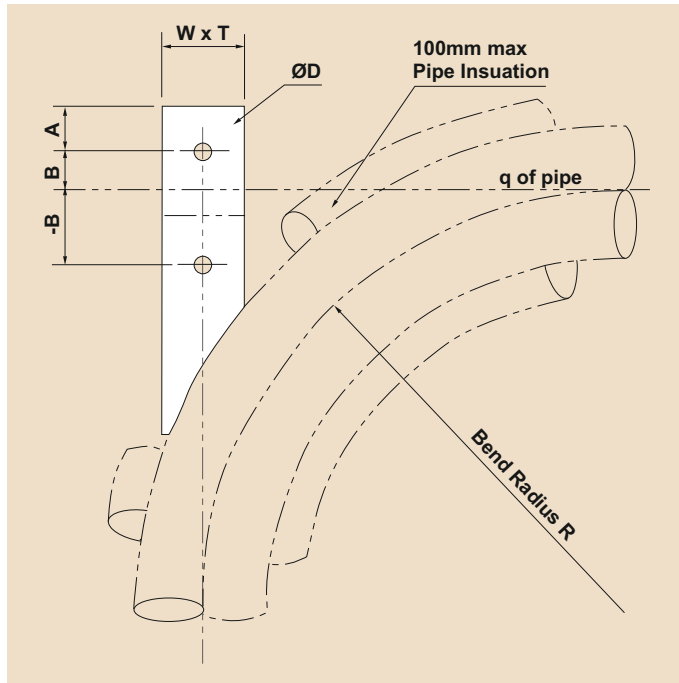
PTB, PTE and PSB :

These components are designed to suit the application.

When specifying these items, the designer should satisfy himself that stress levels in the pipe wall are acceptable.

Material must be compatible with the pipe.

## PA16 PIPE LUG ATTACHMENT



Quoted load capacities refer to the lug itself and not to the interface with the pipe.

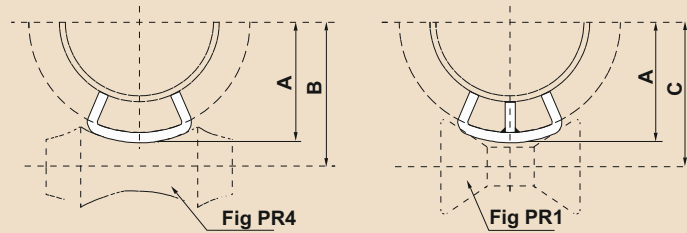
The designer should satisfy himself that stress levels in the pipe wall are acceptable.

Material must be compatible with the pipe.

Order by Part No. and Bend Radius R.

PART No.	PIPE SIZE	WxT	A	ØD	R=1.5D B	R=3D B	R=5D B	LOAD CAPACITY	
								kgf	kN
PA16-50	50	50x8	25	14	137	101	40	530	5.2
PA16-65	65	60x10	35	18	137	89	7	1010	9.9
PA16-80	80	60x10	35	18	137	77	-22	1010	9.9
PA16-100	100	60x10	35	18	137	53	-82	1010	9.9
PA16-125	125	60x10	35	18	135	28	-143	1010	9.9
PA16-150	150	60x10	35	18	133	0	-214	1010	9.9
PA16-175	175	60x10	40	22	146	-10	-256	1580	15.5
PA16-200	200	60x10	40	22	143	-37	-320	1580	15.5
PA16-225	225	60x10	40	22	141	-65	-385	1580	15.5
PA16-250	250	60x10	40	22	137	-96	-459	1580	15.5
PA16-300	300	60x12	50	26	139	-144	-580	2280	22.4
PA16-350	350	100x15	60	33	134	-180	-663	3650	35.8
PA16-400	400	100x15	60	33	198	-237	-797	3650	35.8
PA16-450	450	100x20	75	39	119	-285	-917	5340	52.4
PA16-500	500	100x20	75	39	120	-344	-1053	5340	52.4
PA16-550	550	100x20	75	39	112	-403	-1188	5340	52.4
PA16-600	600	110x25	85	45	113	-452	-1311	7400	72.6

## PIPE COVERING PROTECTION SADDLES



Material: Carbon Steel. Other materials available

### PCS A FOR 25mm NOMINAL INSULATION

PART No.	PIPE SIZE	A	B	C	INSULATION THICKNESS	USE WITH FIG.361 ROLLER SIZE	USE WITH FIG.356 ROLLER SIZE	LOADCAPACITY	
								kgf	kN
PCS A-20	20	41	52	59	24	65	50-80	300	2.9
PCS A-25	25	49	59	67	29	80	50-80	318	3.1
PCS A-32	32	49	59	67	24	80	50-80	318	3.1
PCS A-40	40	56	71	73	29	100	50-80	340	3.3
PCS A-50	50	59	76	78	29	100	50-80	340	3.3
PCS A-65	65	67	83	84	29	125	100-150	425	4.2
PCS A-80	80	75	91	91	29	125	100-150	425	4.2
PCS A-100	100	87	106	106	29	150	100-150	485	4.8
PCS A-125	125	102	121	121	29	200	100-150	600	5.9
PCS A-150	150	114	133	145	25	200	200-250	950	9.3
PCS A-200	200	141	164	168	29	250	200-250	950	9.3

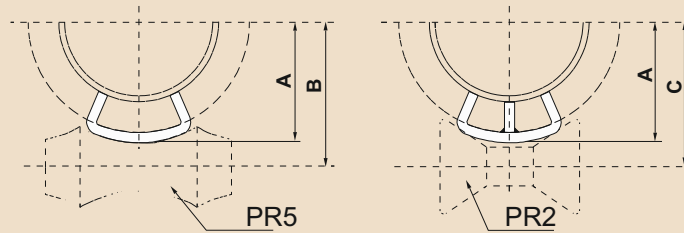
### PCS B FOR 40mm NOMINAL INSULATION

PART No.	PIPE SIZE	A	B	C	INSULATION THICKNESS	USE WITH FIG.361 ROLLER SIZE	USE WITH FIG.356 ROLLER SIZE	LOADCAPACITY	
								kgf	kN
PCS B-20	20	57	73	75	38	100	50-80	340	3.3
PCS B-25	25	59	76	78	41	100	50-80	340	3.3
PCS B-32	32	59	83	85	43	125	50-80	340	3.3
PCS B-40	40	70	85	89	40	125	100-150	425	4.2
PCS B-50	50	75	91	94	41	125	100-150	425	4.2
PCS B-65	65	87	103	106	48	150	100-150	485	4.8
PCS B-80	80	87	105	106	40	150	100-150	485	4.8
PCS B-100	100	100	119	127	40	200	200-250	950	9.3
PCS B-125	125	114	133	141	40	200	200-250	950	9.3
PCS B-150	150	125	151	154	38	250	200-250	950	9.3
PCS B-200	200	154	183	181	40	300	200-250	1088	10.7
PCS B-250	250	183	219	211	41	350	300-350	1400	13.7
PCS B-300	300	208	240	237	41	400	300-350	1800	17.7
PCS B-350	350	221	256	252	38	450	400-500	2250	22.1
PCS B-400	400	246	288	278	38	500	400-500	2250	22.1
PCS B-450	450	271	319	303	38	600	600	2800	27.5
PCS B-500	500	297	345	329	38	600	600	2800	27.5
PCS B-600	600	348	405	387	38	750	750	3400	33.3

### PCS C FOR 50mm NOMINAL INSULATION

PART No.	PIPE SIZE	A	B	C	INSULATION THICKNESS	USE WITH FIG.361 ROLLER SIZE	USE WITH FIG.356 ROLLER SIZE	LOADCAPACITY	
								kgf	kN
PCS C-20	20	70	85	89	51	125	50-80	340	3.3
PCS C-25	25	73	89	92	54	125	50-80	340	3.3
PCS C-32	32	78	94	97	49	125	50-80	340	3.3
PCS C-40	40	87	105	108	59	150	100-150	485	4.8
PCS C-50	50	92	110	110	54	150	100-150	485	4.8
PCS C-65	65	98	116	117	59	150	100-150	485	4.8
PCS C-80	80	100	119	121	52	200	100-150	600	5.9
PCS C-100	100	113	132	140	52	200	200-250	950	9.3
PCS C-125	125	127	146	154	52	200	200-250	950	9.3
PCS C-150	150	141	165	168	52	250	200-250	950	9.3
PCS C-200	200	167	195	197	52	300	200-250	1088	10.7
PCS C-250	250	195	229	224	54	400	300-350	1800	17.7
PCS C-300	300	221	230	252	54	450	400-500	2250	22.1
PCS C-350	350	233	268	265	51	450	400-500	2250	22.1
PCS C-400	400	259	302	291	51	500	400-500	2250	22.1
PCS C-450	450	284	332	316	51	600	600	2800	27.5
PCS C-500	500	310	357	341	51	600	600	2800	27.5
PCS C-600	600	360	421	400	51	750	700	3400	33.3

## PIPE COVERING PROTECTION SADDLES



Material: Carbon Steel. Other materials available

### PCS D FOR 65mm NOMINAL INSULATION

PART No.	PIPE SIZE	A	B	C	INSULATION THICKNESS	USE WITH FIG.361 ROLLER SIZE	USE WITH FIG.356 ROLLER SIZE	LOAD CAPACITY	
								kgf	kN
PCS D-40	40	100	119	119	73	200	100-150	600	5.9
PCS D-50	50	105	124	124	67	200	100-150	600	5.9
PCS D-65	65	110	133	133	73	200	100-150	600	5.9
PCS D-80	80	117	141	141	65	200	100-150	600	5.9
PCS D-100	100	125	149	154	65	250	200-250	950	9.3
PCS D-125	125	140	164	168	65	250	200-250	950	9.3
PCS D-150	150	154	184	186	65	300	200-250	1088	10.7
PCS D-200	200	183	219	211	68	350	300-350	1400	13.7
PCS D-250	250	208	241	237	67	400	300-350	1800	17.7
PCS D-300	300	233	265	262	67	450	400-500	2250	22.1
PCS D-350	350	246	295	284	64	500	400-500	2250	22.1
PCS D-400	400	271	321	310	64	500	400-500	2250	22.1
PCS D-450	450	297	351	335	64	600	600	2800	27.5
PCS D-500	500	322	376	360	64	600	600	2800	27.5
PCS D-600	600	373	437	419	64	750	750	3400	33.3

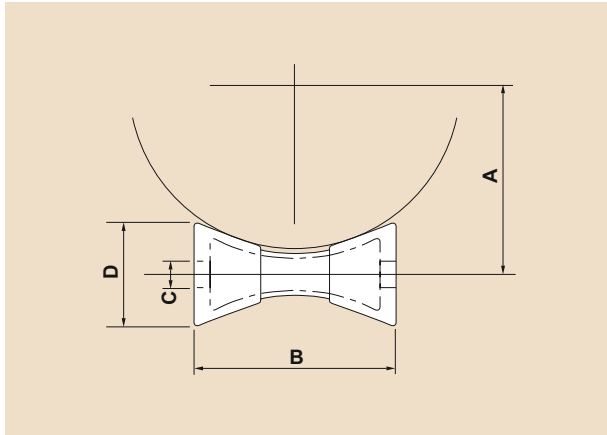
### PCS E FOR 80mm NOMINAL INSULATION

PART No.	PIPE SIZE	A	B	C	INSULATION THICKNESS	USE WITH FIG.361 ROLLER SIZE	USE WITH FIG.356 ROLLER SIZE	LOAD CAPACITY	
								kgf	kN
PCS E-50	50	117	141	146	79	250	200-250	950	9.3
PCS E-65	65	124	148	152	84	250	200-250	950	9.3
PCS E-80	80	125	146	151	78	250	200-250	950	9.3
PCS E-100	100	140	164	168	79	250	200-250	950	9.3
PCS E-125	125	154	178	183	78	250	200-250	950	9.3
PCS E-150	150	167	192	194	78	300	300-350	1350	13.2
PCS E-200	200	194	230	222	79	350	300-350	1400	13.7
PCS E-250	250	221	254	252	79	400	400-500	2250	22.1
PCS E-300	300	246	281	278	79	450	400-500	2250	22.1
PCS E-350	350	259	302	291	76	500	400-500	2250	22.1
PCS E-400	400	284	332	316	76	600	600	2800	27.5
PCS E-450	450	310	357	341	76	600	600	2800	27.5
PCS E-500	500	335	392	375	76	750	750	3400	33.3
PCS E-600	600	386	443	425	76	750	750	3400	33.3

### PCS F FOR 100mm NOMINAL INSULATION

PART No.	PIPE SIZE	A	B	C	INSULATION THICKNESS	USE WITH FIG.361 ROLLER SIZE	USE WITH FIG.356 ROLLER SIZE	LOAD CAPACITY	
								kgf	kN
PCS F-100	100	167	194	189	105	300	200-250	1088	10.7
PCS F-125	125	181	218	225	108	350	300-350	1400	13.7
PCS F-150	150	195	232	221	105	350	300-350	1400	13.7
PCS F-200	200	221	256	252	106	450	400-500	2250	22.1
PCS F-250	250	246	288	278	105	500	400-500	2250	22.1
PCS F-300	300	271	313	303	105	500	400-500	2250	22.1
PCS F-350	350	284	332	316	102	600	600	2800	27.5
PCS F-400	400	310	357	341	102	600	600	2800	27.5
PCS F-450	450	335	383	367	102	600	600	2800	27.5
PCS F-500	500	360	418	400	102	750	750	3400	33.3
PCS F-600	600	411	463	451	102	750	750	3400	33.3

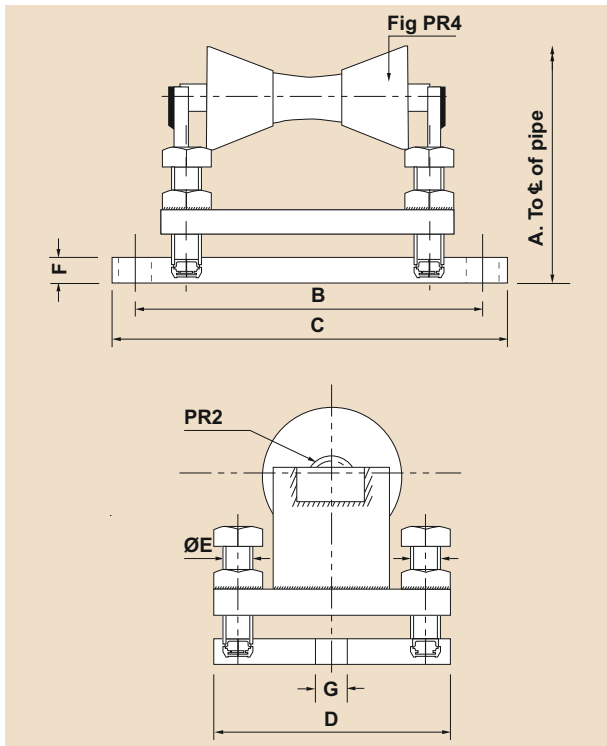
## PR1 PIPE ROLLER - SHORT PATTERN



Material: Cast Iron

PART No.	PIPE SIZE	A	B	C	D	LOAD CAPACITY	
						kgf	kN
PR1-50	50	46	70	14	48	175	1.7
PR1-65	65	52	70	14	48	175	1.7
PR1-80	80	62	70	14	48	175	1.7
PR1-100	100	71	95	14	54	425	4.2
PR1-125	125	87	95	14	54	425	4.2
PR1-150	150	102	95	14	54	425	4.2
PR1-200	200	133	150	22	83	950	9.3
PR1-250	250	162	150	22	83	950	9.3
PR1-300	300	190	200	26	102	1350	13.2
PR1-350	350	206	200	26	102	1350	13.2
PR1-400	400	235	232	32	114	2250	22.1
PR1-450	450	263	232	32	114	2250	22.1
PR1-500	500	292	232	32	114	2250	22.1
PR1-600	600	350	254	38	114	2750	27.0
PR1-750	750	438	318	44	140	3400	33.3
PR1-900	900	514	375	50	162	5400	53.0
PR1-1050	1050	590	375	50	162	5400	53.0
PR1-1200	1200	667	375	50	162	5400	53.0

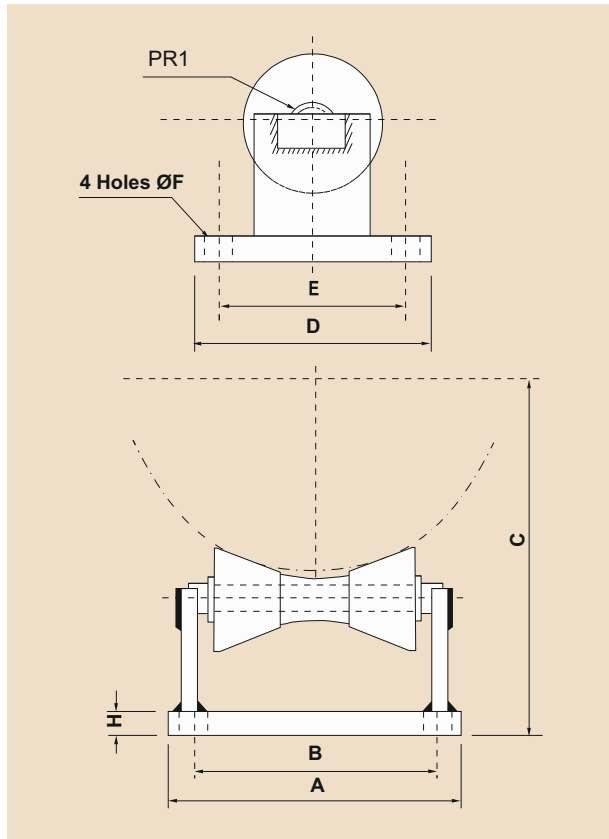
## PR2 PIPE ROLLER AND ADJUSTABLE STAND



Material: Cast Iron and Carbon Steel

PART No.	PIPE SIZE	A MIN	A MAX	B	C	D	E	F	G	LOAD CAPACITY	
										kgf	kN
PR2-50	50	110	150	150	198	110	16	15	18	175	1.7
PR2-65	65	116	156	150	198	110	16	15	18	175	1.7
PR2-80	80	126	166	150	198	110	16	15	18	175	1.7
PR2-100	100	153	133	190	250	120	16	20	21	425	4.2
PR2-125	125	169	209	190	250	120	16	20	21	425	4.2
PR2-150	150	184	224	190	250	120	16	20	21	425	4.2
PR2-200	200	229	269	250	310	155	20	20	21	950	9.3
PR2-250	250	258	298	250	310	155	20	20	21	950	9.3
PR2-300	300	301	341	320	392	195	24	25	26	1350	13.2
PR2-350	350	317	357	320	392	195	24	25	26	1350	13.2
PR2-400	400	353	393	365	437	237	24	25	26	2250	22.1
PR2-450	450	381	421	365	437	237	24	25	26	2250	22.1
PR2-500	500	410	450	365	437	237	24	25	26	2250	22.1
PR2-600	600	473	513	390	462	237	24	25	26	2750	27.0
PR2-750	750	585	625	470	542	290	30	30	26	3400	33.3
PR2-900	900	686	726	540	612	315	36	40	26	5400	53.0
PR2-1050	1050	762	802	540	612	315	36	40	26	5400	53.0
PR2-1200	1200	839	879	540	612	315	36	40	26	5400	53.0

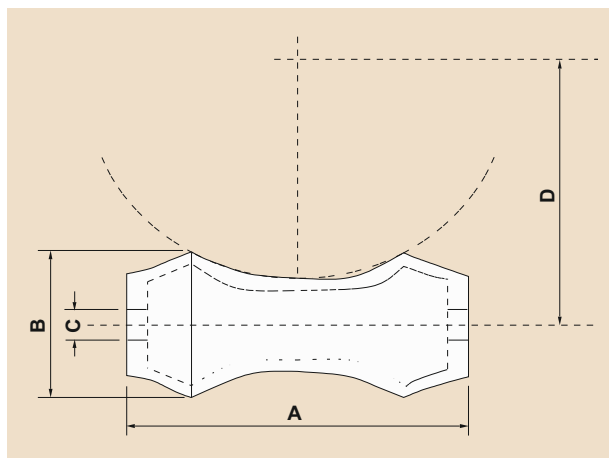
## PR3 PIPE ROLLER AND STAND



Material: Cast Iron and Carbon Steel

PART No.	PIPE SIZE	A	B	C	D	E	F	H	LOAD CAPACITY	
									kgf	kN
PR3-50	50	115	85	95	110	80	12	15	175	1.7
PR3-65	65	115	85	101	110	80	12	15	175	1.7
PR3-80	80	115	85	111	110	80	12	15	175	1.7
PR3-100	100	150	120	133	120	90	12	20	425	4.2
PR3-125	125	150	120	149	120	90	12	20	425	4.2
PR3-150	150	150	120	164	120	90	12	20	425	4.2
PR3-200	200	210	174	209	155	115	14	20	950	9.3
PR3-250	250	210	174	238	155	115	14	20	950	9.3
PR3-300	300	275	215	276	195	135	22	25	1350	13.3
PR3-350	350	275	215	292	195	135	22	25	1350	13.3
PR3-400	400	320	248	328	237	165	27	25	2250	22.1
PR3-450	450	320	248	356	237	165	27	25	2250	22.1
PR3-500	500	320	248	385	237	165	27	25	2250	22.1
PR3-600	600	345	273	448	237	165	27	25	2750	27.0
PR3-750	750	425	335	555	290	200	33	30	3400	33.3
PR3-900	900	495	405	646	315	225	33	40	5400	53.0
PR3-1050	1050	495	405	722	315	225	33	40	5400	53.0
PR3-1200	1200	495	405	799	315	225	33	40	5400	53.0

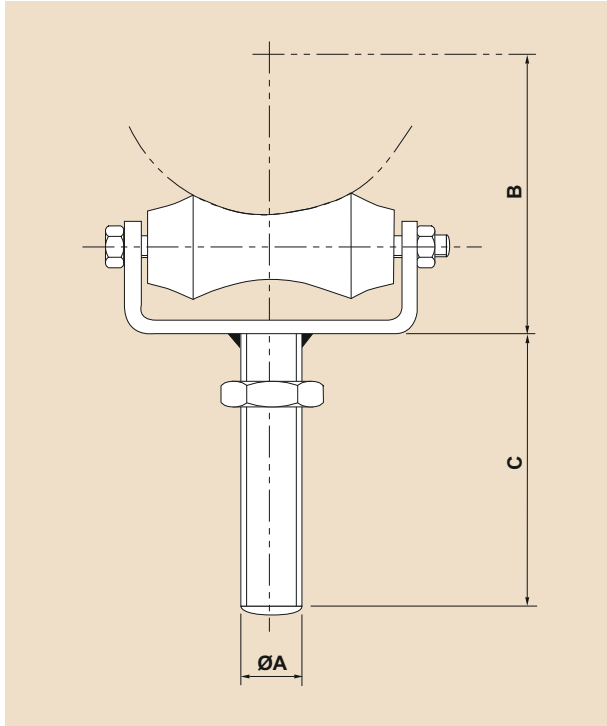
## PR4 PIPE ROLLER



Material: Cast Iron

PART No.	PIPE SIZE	A	B	C	D	LOAD CAPACITY	
						kgf	kN
PR4-25	25	25	20	12	27	275	2.7
PR4-32	32	37	21	12	32	275	2.7
PR4-40	40	40	22	12	35	275	2.7
PR4-50	50	44	24	12	41	275	2.7
PR4-65	65	60	29	14	49	300	2.9
PR4-80	80	94	35	14	57	318	3.1
PR4-100	100	94	35	14	71	340	3.3
PR4-125	125	146	49	20	87	340	3.3
PR4-150	150	146	49	20	103	485	4.7
PR4-200	200	228	69	24	130	600	5.9
PR4-250	250	280	85	27	159	785	7.7
PR4-300	300	330	100	27	189	1088	10.7
PR4-350	350	361	120	27	213	1400	13.7
PR4-400	400	412	130	27	240	1800	17.6
PR4-450	450	463	138	27	267	1900	18.6
PR4-500	500	514	152	33	295	2000	19.6
PR4-600	600	615	183	33	365	2800	27.5
PR4-750	750	770	219	50	443	3300	32.4
PR4-900	900	914	251	66	521	5000	49.0

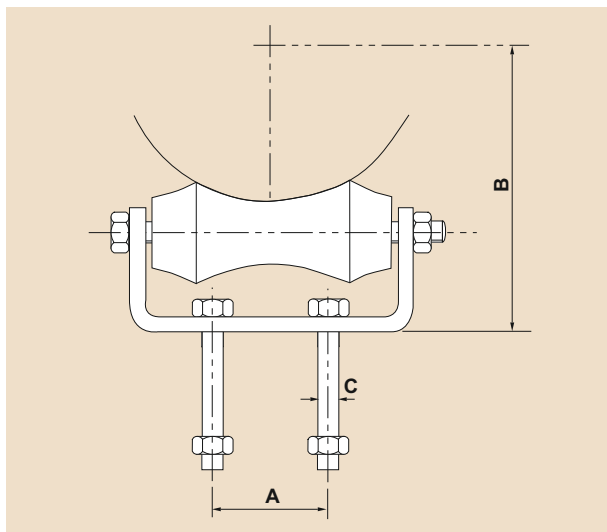
## PR5 ADJUSTABLE SUPPORT ROLLER CHAIR



Material: Cast Iron and Carbon Steel

PART No.	PIPE SIZE	A	B	C	STEEL SIZE	SWL	
						kgf	kN
PR5-25	25	12	59	150	25x5	275	2.7
PR5-32	32	12	67	150	25x5	275	2.7
PR5-40	40	12	70	150	25x5	275	2.7
PR5-50	50	12	78	150	30x6	275	2.7
PR5-65	65	12	90	150	30x6	300	2.9
PR5-80	80	12	100	150	40x6	318	3.1
PR5-100	100	16	125	150	40x6	340	3.3
PR5-125	125	16	145	150	50x10	340	3.3
PR5-150	150	20	165	150	50x10	485	4.7
PR5-200	200	20	200	150	50x12	600	5.9
PR5-250	250	24	240	150	65x12	785	7.7
PR5-300	300	24	280	150	65x12	1088	10.7
PR5-350	350	30	310	150	80x12	1400	13.7
PR5-400	400	30	343	150	80x12	1800	17.6
PR5-450	450	30	370	150	80x12	1900	18.6
PR5-500	500	36	410	150	100x12	2000	19.6
PR5-600	600	36	500	150	100x16	2800	27.5

## PR6 SUPPORT ROLLER CHAIR

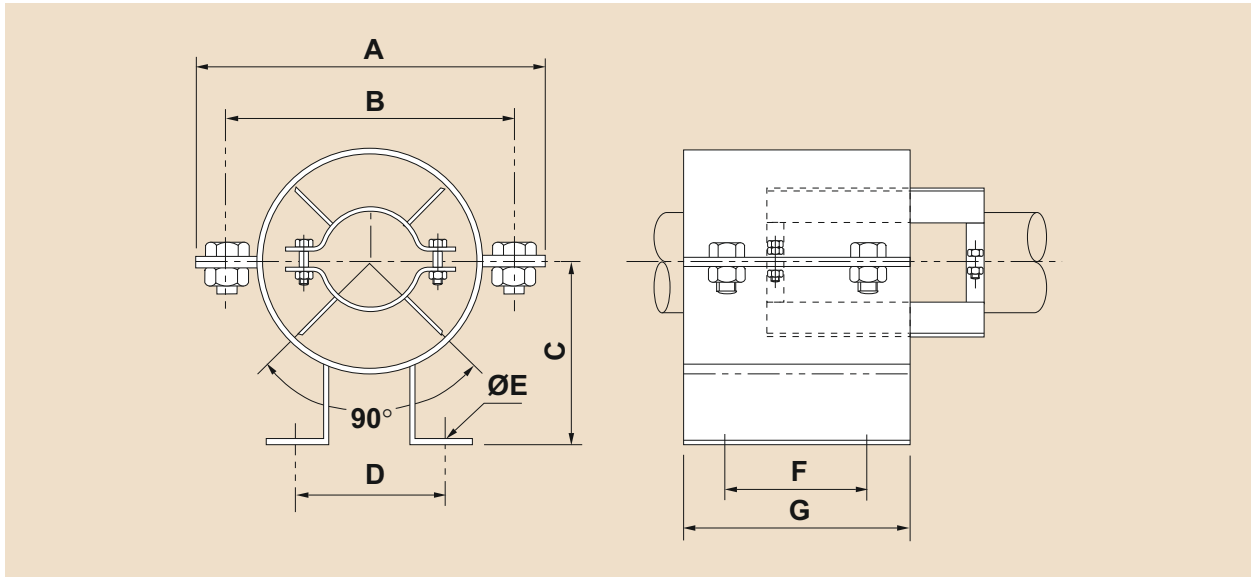


Material: Cast Iron and Carbon Steel

PART No.	PIPE SIZE	A	B	BOLT SIZE C	STEEL SIZE	SWL	
						kgf	kN
PR6-25	25	1 hole	59	M10x30	25x5	275	2.7
PR6-32	32	1 hole	67	M10x30	25x5	275	2.7
PR6-40	40	1 hole	70	M10x30	25x5	275	2.7
PR6-50	50	30	78	M10x30	30x6	275	2.7
PR6-65	65	30	90	M10x30	40x6	300	2.9
PR6-80	80	50	100	M10x30	40x6	318	3.1
PR6-100	100	50	125	M10x30	40x10	340	3.3
PR6-125	125	80	145	M12x40	50x10	340	3.3
PR6-150	150	80	165	M12x40	50x10	485	4.7
PR6-200	200	85	200	M16x40	50x12	600	5.9
PR6-250	250	135	240	M16x45	65x12	785	7.7
PR6-300	300	140	280	M16x45	65x12	1088	10.7
PR6-350	350	165	310	M20x50	80x12	1400	13.7
PR6-400	400	210	340	M20x70	80x12	1800	17.6
PR6-450	450	235	370	M20x70	80x12	1900	18.6
PR6-500	500	260	410	M20x70	80x12	2000	19.6
PR6-600	600	310	500	M20x90	100x16	2800	27.5



## PAL A & B PIPE ALIGNMENT GUIDE



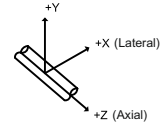
*Material: Carbon Steel*

PART Nos.		PIPE SIZE	A	B	C	D	E	TYPE A		TYPE B		MAX INSULATION THICKNESS
TYPE A	TYPE B							F	G	F	G	
PAL A-20	PAL B-20	20	232	202	100	145	18	125	300	50	100	46
PAL A-25	PAL B-25	25	232	202	100	145	18	125	300	50	100	41
PAL A-32	PAL B-32	32	232	195	125	145	18	125	300	50	100	38
PAL A-40	PAL B-40	40	258	222	125	150	18	125	300	50	100	42
PAL A-50	PAL B-50	50	293	257	150	170	22	125	300	50	100	54
PAL A-65	PAL B-65	65	338	290	170	170	22	125	300	50	100	55
PAL A-80	PAL B-80	80	354	306	170	170	22	125	300	50	100	56
PAL A-100	PAL B-100	100	383	335	200	205	22	125	300	100	150	56
PAL A-125	PAL B-125	125	434	386	216	235	22	125	300	125	200	68
PAL A-150	PAL B-150	150	434	386	226	235	22	125	300	125	200	54
PAL A-200	PAL B-200	200	542	494	250	315	22	125	300	125	200	79
PAL A-250	PAL B-250	250	616	556	290	350	26	125	300	125	200	79
PAL A-300	PAL B-300	300	720	648	300	365	26	125	300	125	200	90
PAL A-350	PAL B-350	350	810	720	380	400	26	125	300	125	200	104
PAL A-400	PAL B-400	400	900	810	450	435	26	125	300	125	200	114
PAL A-450	PAL B-450	450	1020	912	480	475	26	125	300	125	200	128
PAL A-500	PAL B-500	500	1110	1002	500	494	26	125	300	125	200	137
PAL A-600	PAL B-600	600	1270	1144	530	520	26	125	300	125	200	151

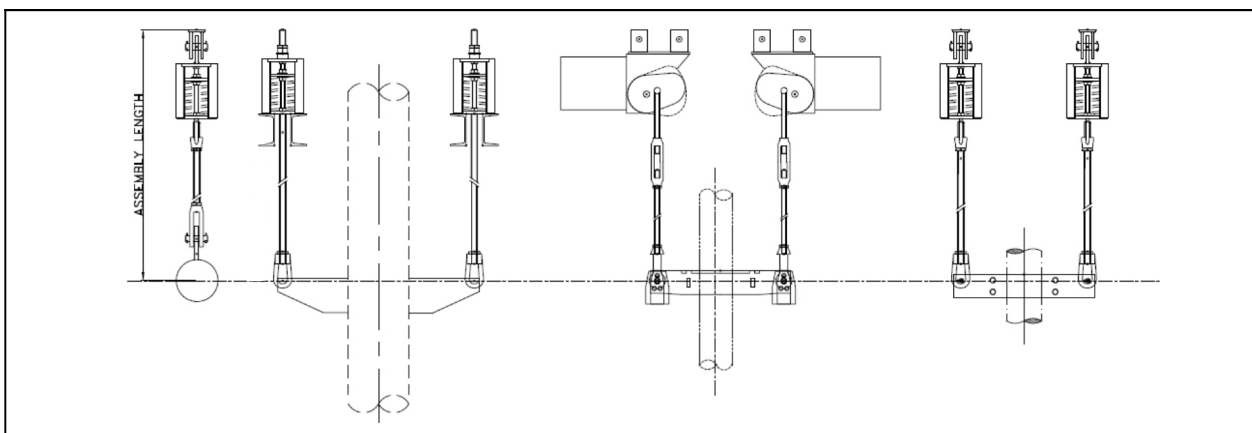


# Pipe Hangers & Supports Private Limited

## Ordering Information



- 1) Hot Load (Operating Load) in Kgs : \_\_\_\_\_
- 2) Thermal Movement / Travel (Direction + or -) in mm : UP (+) \_\_\_\_\_ mm
- 3) Type of Hanger Variable / Constant /Rigid : VariableEffort Support
- 4) For Constant Add Over Travel :  Yes  No
- 5) For Variable Springs Max Allowable % Load Variation : \_\_\_\_\_ %
- 6) Horizontal / Lateral Movement (If any) : 'X' Dir \_\_\_\_\_ mm / 'Z' Dir \_\_\_\_\_ mm
- 7) Hydro Load ( If any) : \_\_\_\_\_ Kgs
- 8) Model & Type of Support : \_\_\_\_\_
- 9) Assembly Length (From BOS/TOS to Pipe CL ) : \_\_\_\_\_ mm
- 10) Operating Temperature : \_\_\_\_\_ Deg C
- 11) Pipe Insulation Thk : \_\_\_\_\_ mm
- 12) Pipe Material : \_\_\_\_\_
- 13) Require Pipe Shoe for Foot Mounted Support :  Yes  No
- 14) For Foot Mounted Support Match Height :  Yes  No
- 15) Attachments like Lugs, Cleats Welded to Pipe in Scope :  Yes  No
- 16) Operating Load includes Wt of Accessories like Clamp, Tie Rods, Cleats, Lugs etc. :  Yes  No
- 17) Preferred Surface Protection / Painting : \_\_\_\_\_
- 18) For 'G' Type / Double / Trapeze type Hanger the Load Given above is for 1 assembly consisting of 2 Hangers / Individual Hanger :  Yes  No





# Pipe Hangers & Supports Private Limited

## Thanjavur



## Chennai



# Additional Services



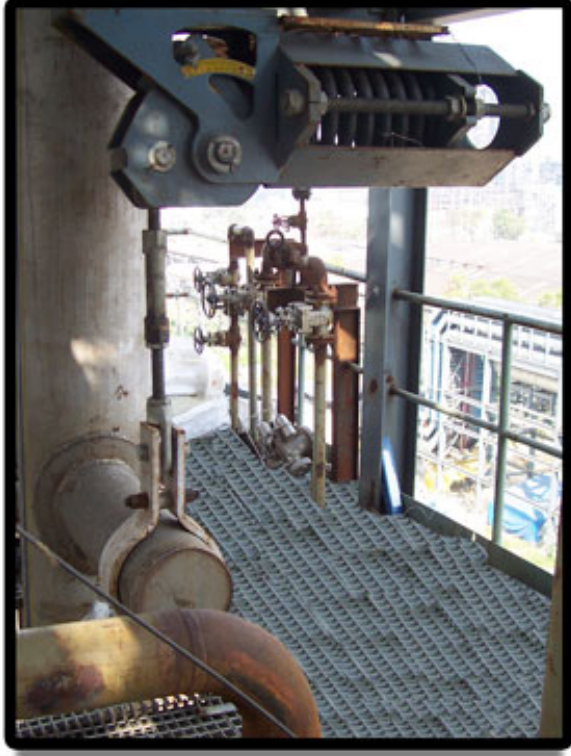
- Design and Detail of complete Pipe Support Systems
- Survey of existing pipe supports
- Inspection at site prior to commissioning
- Assist customers with innovative ideas to provide unique solutions



- Stress analysis & detail support engineering
- Conduct training programs on Hangers & Supports







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# Pipe Hangers & Supports Private Limited

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Thanjavur

Chennai



Pipe Hangers & Supports is India's leading manufacturer of spring hangers, supports and accessories. Over the past 25 years we have supplied to major power plants, refineries, nuclear installations & process industries in India and several international projects.

[www.pipehangers.in](http://www.pipehangers.in)