

EASISLIDE LOW FRICTION BEARINGS

WHAT SLIDE BEARINGS DO

When structures get hot, they expand — and this expansion has to be accommodated within the design of the structure.

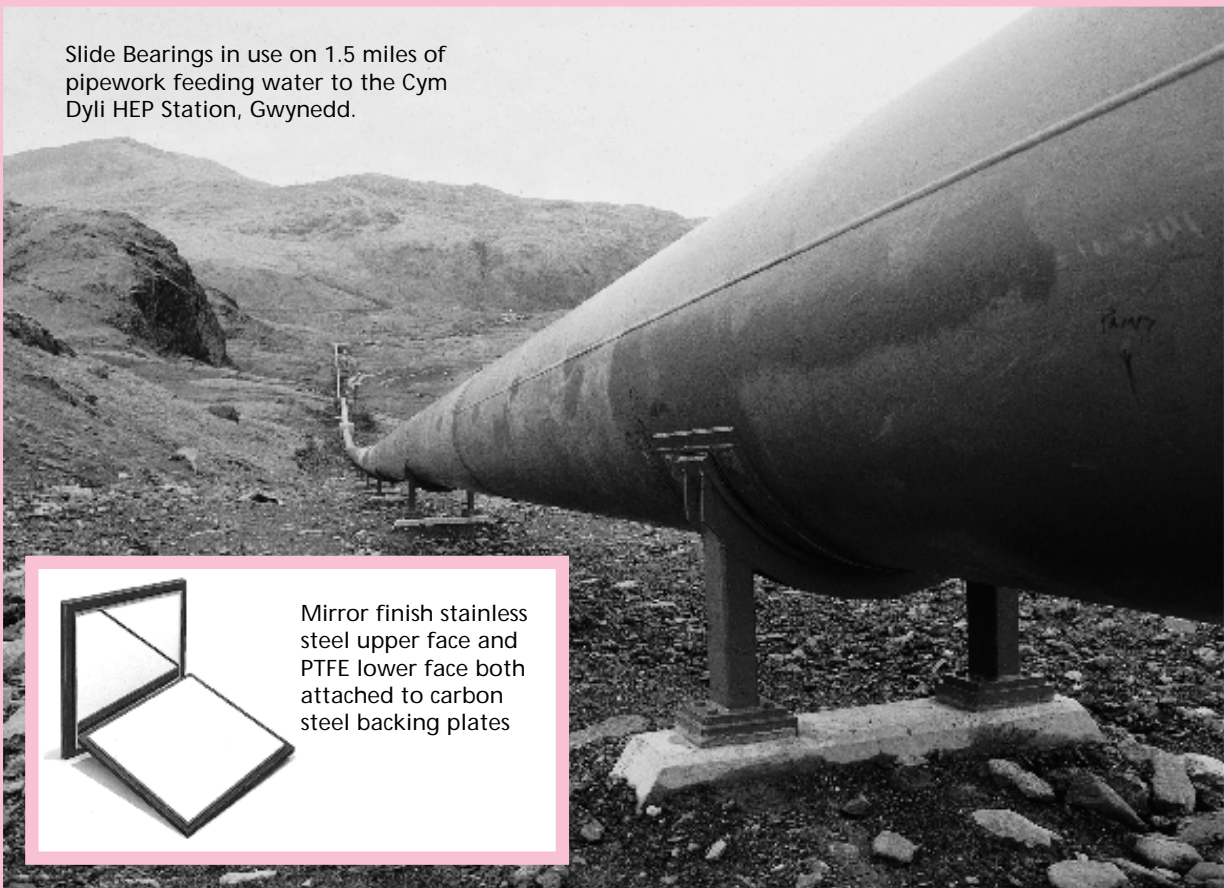
For example, bridges and buildings expand and contract as a result of changes in ambient temperature and pipelines expand or contract when the temperature of the fluid they are transporting changes.

Failure to allow such items to expand can produce in them unacceptably high stresses and may also overload

the equipment or structure to which they are attached. An extremely effective way of accommodating such expansion is to allow one item to move in relation to another — and this can easily be achieved by using slide bearings to separate the expanding item from the supporting structure.

However, it is important that the bearing is designed so that the frictional force between the item and the structure is kept to a minimum, to prevent the development of high loads and stresses.

Slide Bearings in use on 1.5 miles of pipework feeding water to the Cym Dyli HEP Station, Gwynedd.



Mirror finish stainless steel upper face and PTFE lower face both attached to carbon steel backing plates

WHY USE EASISLIDE BEARINGS?

- They incorporate PTFE — which has a coefficient of friction lower than any other solid material.
- The bearings are designed to achieve optimum performance, by careful specification of the bearing pad dimensions to achieve the ideal compressive stress.
- Capable of operating completely dry, they require no lubrication.
- Able to withstand a wide range of environmental conditions — operating at temperatures from minus 200°C to plus 150°C and are resistant to a wide range of organic and inorganic chemicals.
- Can tolerate some embedment of small particles in the bearing pad without causing failure.
- Compact design — which means they often fit into areas unsuitable for other types of bearing.
- Designed for easy on-site installation.
- Long and maintenance free life.
- Already operating successfully in a wide range of installations worldwide.

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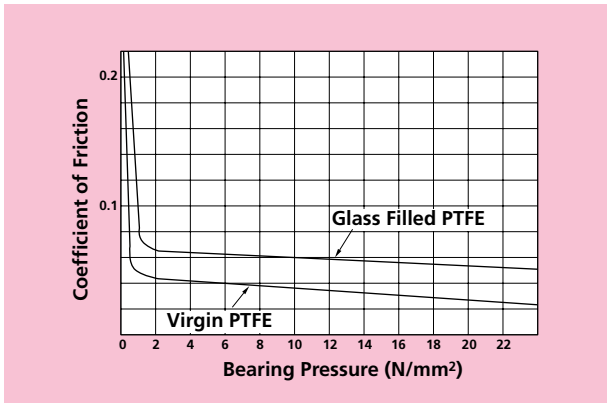
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THERE'S A EASISLIDE BEARING PRECISELY RIGHT FOR ANY JOB

THE RIGHT MATERIALS

The EASISLIDE standard range of slide bearings uses a PTFE pad (or pads) counterfaced by a larger polished stainless steel plate — the PTFE is bonded to a carbon steel backing plate for attachment to existing steelwork either by means of countersunk bolts or by welding. The stainless steel pad is similarly attached to a carbon steel backing plate. For corrosive environments, units can be supplied manufactured entirely in stainless steel with a PTFE slider pad. Alternatively, other combinations of material, such as PTFE on PTFE or neoprene-backed PTFE may be specified. Different slider materials such as bronze based assemblies are also available.



THE RIGHT BEARING SIZE

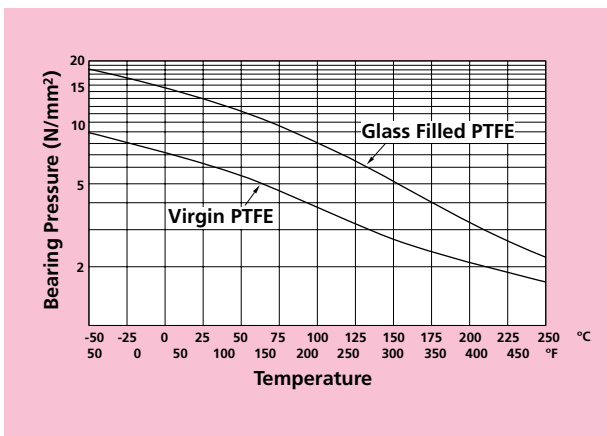
In determining the size of the PTFE bearing pad the applied loading and eventual operating temperature has to be taken into consideration.

PTFE performs less well at very low bearing pressures — and at normal ambient temperatures a maximum bearing pressure of 60 kgf/cm² is recommended.

It is therefore imperative that the load acting upon the bearing is specified at the outset to enable accurate calculation of the bearing pad size.

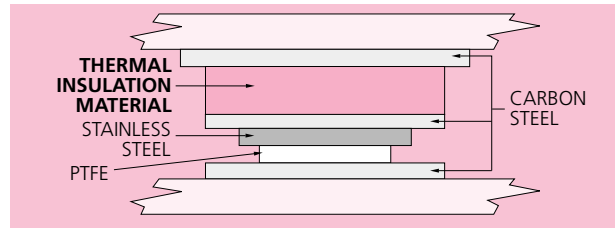
If stability is a consideration, the PTFE can be arranged in strips — and if space constraint necessitates a higher bearing pressure, glass-filled PTFE can be used.

The size of the stainless steel counterfacing plate must be greater than the PTFE pad by an amount equal to the total anticipated movement — with an allowance for over-travel. It is important that all of the PTFE pad remains in contact with the stainless steel counterfacing plate at all times.



THE RIGHT CONDITIONS

PTFE is suitable for continuous operation at temperatures up to 150°C — at greater temperatures load bearing thermal insulation material can be used to reduce the temperature of the bearing. Where vibration is likely to occur, anti-vibration pads can easily be incorporated into slide bearing designs.



SELECTING THE RIGHT EASISLIDE BEARING

- Decide the style of bearing required and check that the imposed load is within the recommended operating load range of the bearing assembly.
- The standard bearing may be used at loadings below the recommended minimum, but an increased coefficient of friction will result.
- For loadings in excess of the recommended maximum, please state the load capacity required, and we will design an assembly to suit.
- Select the appropriate axial and lateral movement ranges to accommodate the maximum anticipated movements.
- Where the bearing gives a choice of height dimensions, these should be specified.
- If no standard EASISLIDE bearing suits your application, please contact our design service with your requirements.

THE RIGHT PART NUMBER ES01 to ES07DS

The numbering system for the standard range of EASISLIDE bearings enables all design parameters to be specified by the part number.

For example, part number

ES01 — 200 NB-L2 — A1-X = 180

is easily broken down to indicate the following:

ES01 the style of the bearing.

200 NB to suit pipe nominal bore.

L2 Lateral movement range — see tabulation.

A1 Axial movement range — see tabulation.

X = 180 Height dimension — see diagram.

Where a particular parameter is not applicable, it is omitted, as in, for example: ES04 — 350 NB-A2-X = 300.

THE RIGHT DESIGN

EASISLIDE bearings are designed and produced by Pipe Supports Group.

Whether you need a bearing for a larger load or movement than those covered by our standard range, or even to a totally different style, our experienced team can design a slide bearing to meet your needs exactly.

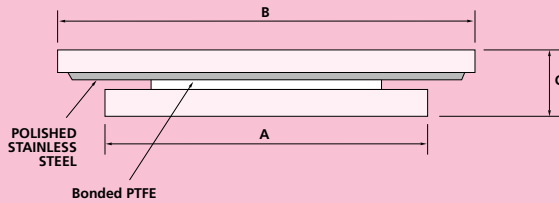
So whatever your slide bearing requirements, call Pipe Supports Group and ask for EASISLIDE, they're precisely right for any job!

ES07/ES07DS

The ES07 PTFE/Stainless Steel slide bearing is suitable for a wide range of sliding applications. If stability of the supported item is a consideration, a number of ES07 bearings may be used. Alternatively, larger bearings with split PTFE pads can be designed and made to suit particular requirements. The standard bearing thickness ('C') should be suitable for most applications. Alternative thicknesses can be supplied

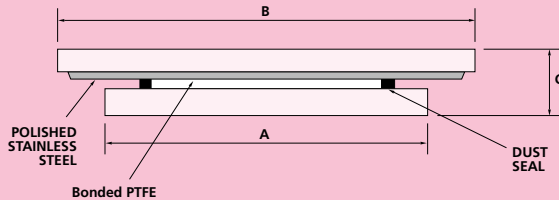
to order. Care should be taken if reducing 'C' that the attached structure has sufficient local strength. The standard bearing is designed for attachment by welding. Bearings for attachment by bolting can also be supplied. ES07DS slide bearing design incorporates a dust seal for use where significant amounts of dust or other contaminants are present.

ES07



SIZE	RECOMMENDED LOADING AT 25°C (kgf)	A (Sq.) mm	C mm	B mm		
				MOVEMENT		
				RANGE 1	RANGE 2	RANGE 3
250	100 TO 250	40	15	65	90	115
500	200 TO 500	55	21	75	100	125
1000	400 TO 1000	70	25	85	110	135
2000	800 TO 2000	100	29	105	130	155
4000	1600 TO 4000	125	35	125	150	175
8000	3200 TO 8000	180	45	165	190	215
16000	6400 TO 16000	230	55	205	230	255
32000	12800 TO 32000	300	55	275	300	325
64000	25600 TO 64000	400	55	375	400	425

ES07DS



SIZE	RECOMMENDED LOADING AT 25°C (kgf)	A (Sq.) mm	C mm	B mm		
				MOVEMENT		
				RANGE 1	RANGE 2	RANGE 3
250	100 TO 250	60	15	85	110	135
500	200 TO 500	75	21	95	120	145
1000	400 TO 1000	90	25	105	130	155
2000	800 TO 2000	120	29	125	150	175
4000	1600 TO 4000	145	35	145	170	195
8000	3200 TO 8000	200	45	185	210	235
16000	6400 TO 16000	260	55	235	260	285
32000	12800 TO 32000	330	55	305	330	355
64000	25600 TO 64000	430	55	405	430	455

RANGE 1 = +/-12.5 mm MOVEMENT
 RANGE 2 = +/-25 mm MOVEMENT
 RANGE 3 = +/-37.5 mm MOVEMENT

BOTTOM PLATE IS SQUARE.

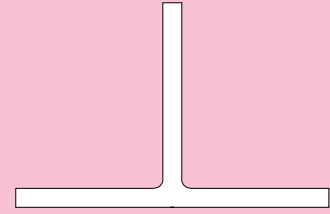
TOP PLATE MAY BE SQUARE OR RECTANGULAR DEPENDING UPON REQUIRED MOVEMENT IN CO-ORDINATE DIRECTIONS.

FOR SIZE 16000 AND ABOVE, PARTICULAR CARE SHOULD BE TAKEN TO ENSURE THAT THE SLIDE BEARINGS ARE MOUNTED ON A BACKING STRUCTURE OF ADEQUATE STRENGTH.

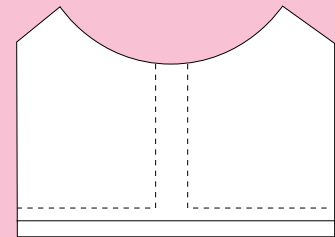
TYPICAL SELECTION:

ES07-8000 — RANGE 2 X RANGE 2.

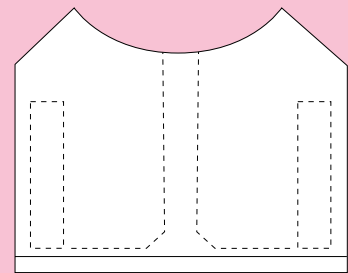
TYPES OF LEG ES01 TO ES05



15NB — 150NB



175NB — 400NB



450NB — 1000NB

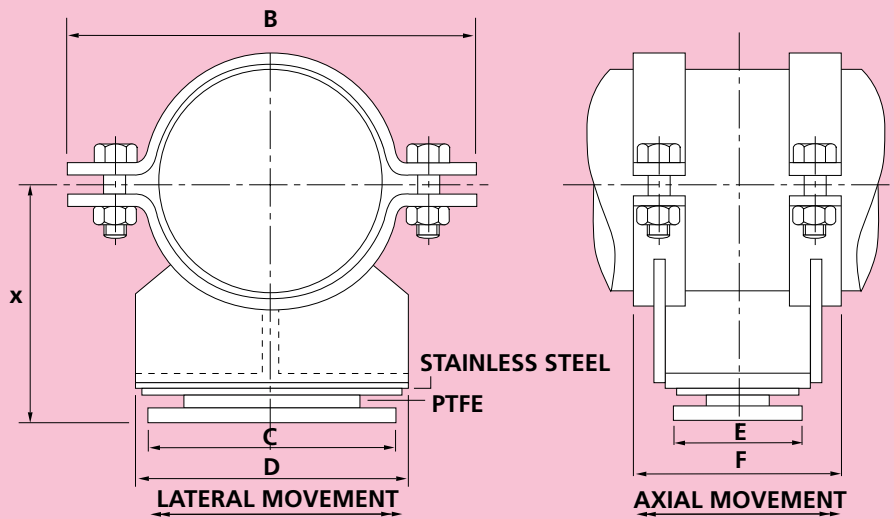
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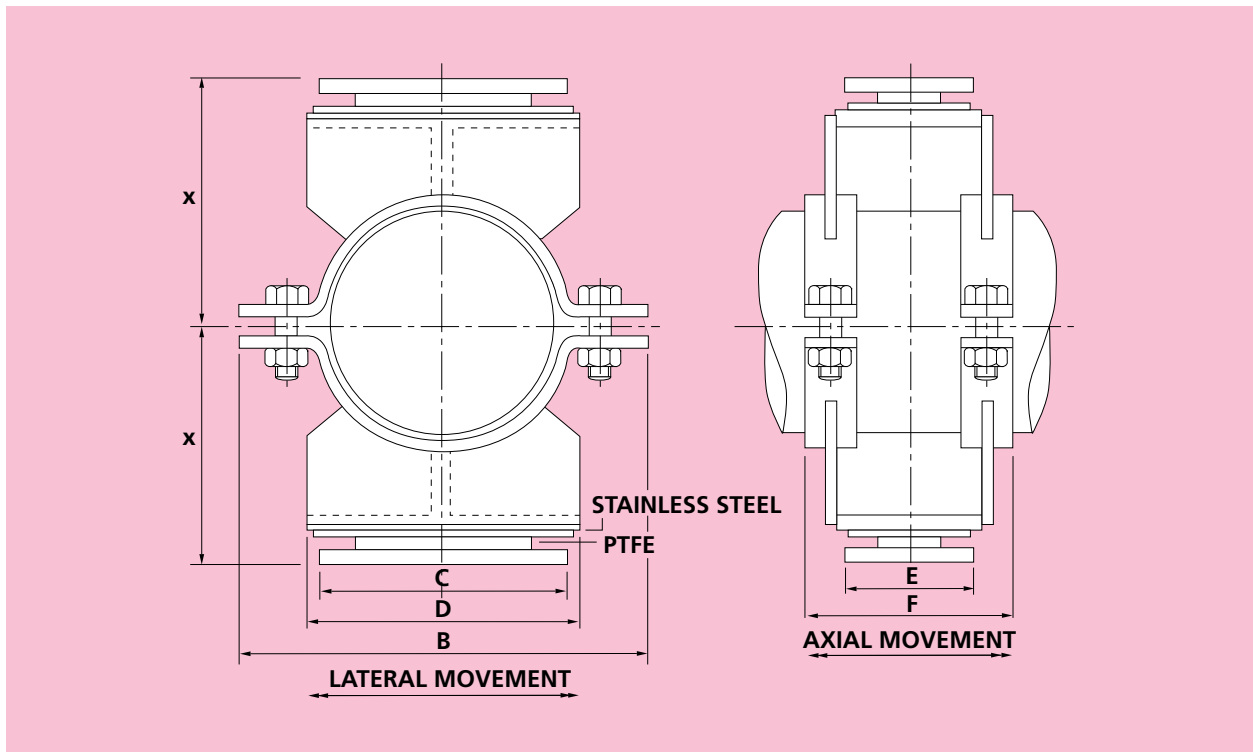
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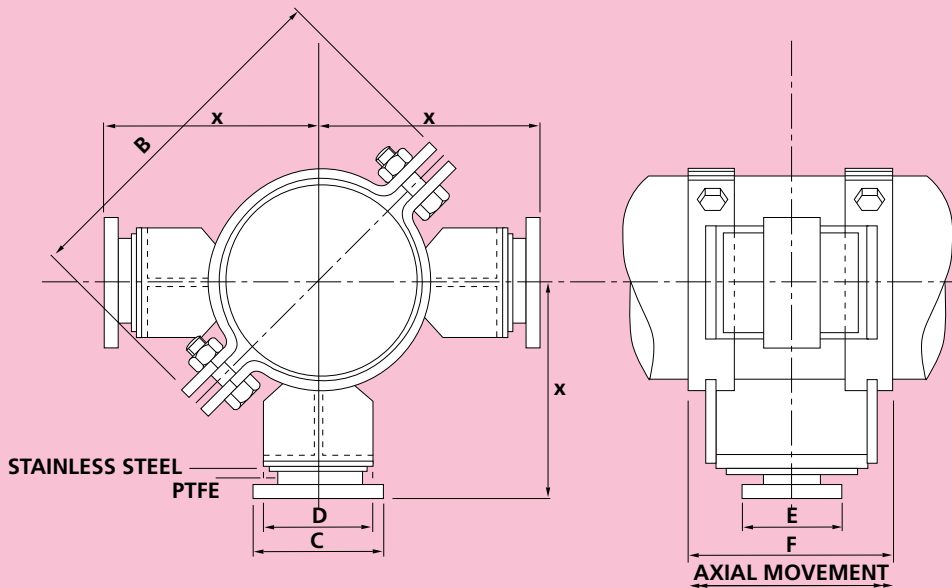


PIPE	PIPE	X		LATERAL MOVEMENT						AXIAL MOVEMENT						B	OPERATING LOAD	
				RANGE L1			RANGE L2			RANGE A1			RANGE A2				Min	Max
NB	O/D	Min	Max	MOV'T RANGE	C	D	MOV'T RANGE	C	D	MOV'T RANGE	E	F	MOV'T RANGE	E	F	mm	kgf	kgf
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
15	21.3	35	120	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	96	100	300
20	26.7	35	125	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	100	100	300
25	33.4	40	125	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	106	100	300
32	42.2	45	130	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	126	100	300
40	48.3	50	135	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	132	100	300
50	60.3	55	140	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	142	100	300
65	73.0	70	150	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	204	200	600
80	88.9	75	160	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	214	200	600
100	114.3	90	170	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	238	200	600
125	141.3	105	180	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	264	200	600
150	168.3	120	195	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	294	200	600
175	193.7	135	260	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	318	500	1500
200	219.1	150	275	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	344	500	1500
225	244.5	160	285	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	368	500	1500
250	273.0	175	300	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	398	500	1500
300	323.9	205	330	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	480	1000	3000
350	355.6	220	345	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	532	1000	3000
400	406.4	250	370	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	608	1000	3000
450	457.2	290	400	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	716	2500	7500
500	508.0	315	425	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	766	2500	7500
550	558.8	340	450	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	816	2500	7500
600	609.6	365	480	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	870	2500	7500
650	660.4	390	500	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	920	2500	7500
700	711.2	415	530	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	970	2500	7500
750	762.0	445	550	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	1020	2500	7500
800	812.8	470	580	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	1110	2500	7500
850	863.6	495	600	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	1160	2500	7500
900	914.4	520	630	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	1210	2500	7500
1000	1016	575	680	0-50	200	250	50-100	200	250	0-50	200	380	50-100	200	380	1358	2500	7500

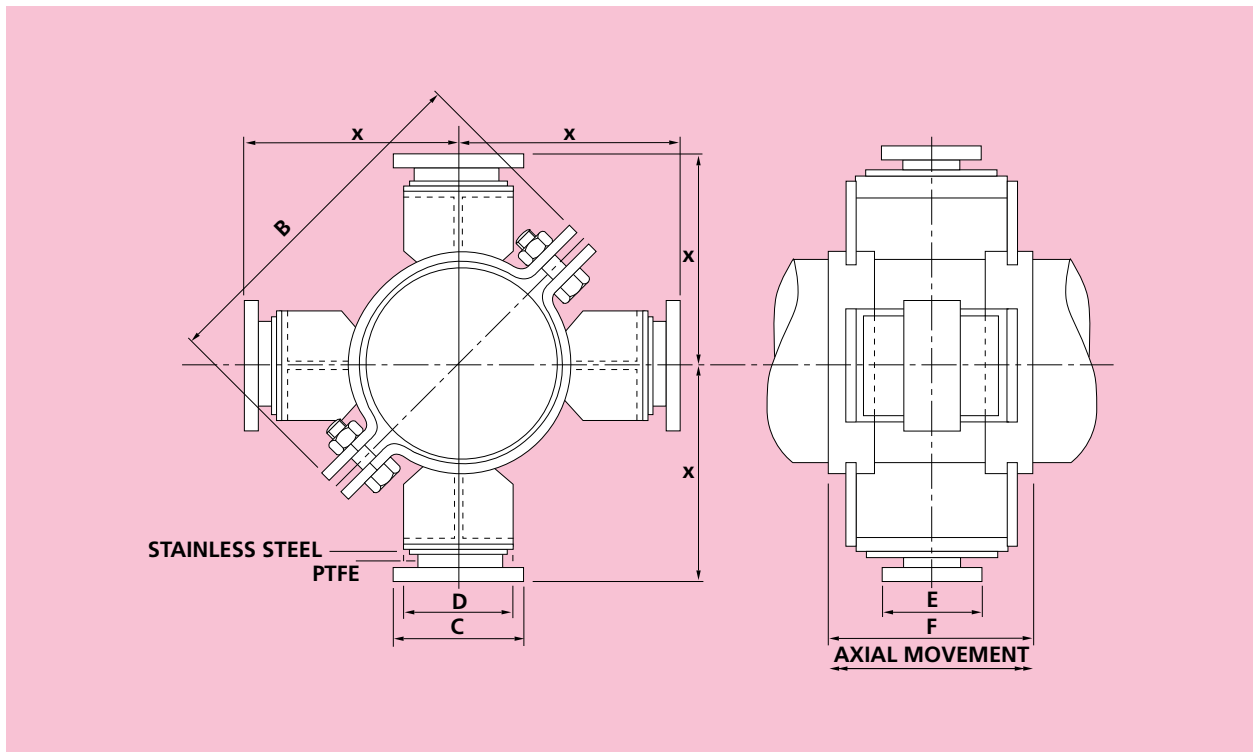


PIPE	PIPE	X		LATERAL MOVEMENT						AXIAL MOVEMENT						OPERATING LOAD		
				RANGE L1			RANGE L2			RANGE A1			RANGE A2					
NB	O/D	Min	Max	MOV'T RANGE	C	D	MOV'T RANGE	C	D	MOV'T RANGE	E	F	MOV'T RANGE	E	F	B	Min	Max
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
15	21.3	35	120	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	96	100	300
20	26.7	35	125	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	100	100	300
25	33.4	40	125	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	106	100	300
32	42.2	45	130	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	126	100	300
40	48.3	50	135	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	132	100	300
50	60.3	55	140	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	142	100	300
65	73.0	70	150	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	204	200	600
80	88.9	75	160	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	214	200	600
100	114.3	90	170	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	238	200	600
125	141.3	105	180	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	264	200	600
150	168.3	120	195	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	294	200	600
175	193.7	135	260	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	318	500	1500
200	219.1	150	275	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	344	500	1500
225	244.5	160	285	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	368	500	1500
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300	323.9	205	330	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	480	1000	3000
350	355.6	220	345	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	532	1000	3000
400	406.4	250	370	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	608	1000	3000
450	457.2	290	400	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	716	2500	7500
500	508.0	315	425	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	766	2500	7500
550	558.8	340	450	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	816	2500	7500
600	609.6	365	480	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	870	2500	7500
650	660.4	390	500	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	920	2500	7500
700	711.2	415	530	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	970	2500	7500
750	762.0	445	550	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	1020	2500	7500
800	812.8	470	580	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	1110	2500	7500
850	863.6	495	600	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	1160	2500	7500
900	914.4	520	630	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	1210	2500	7500
1000	1016	575	680	0-50	200	250	50-100	200	250	0-50	200	380	50-100	200	380	1358	2500	7500



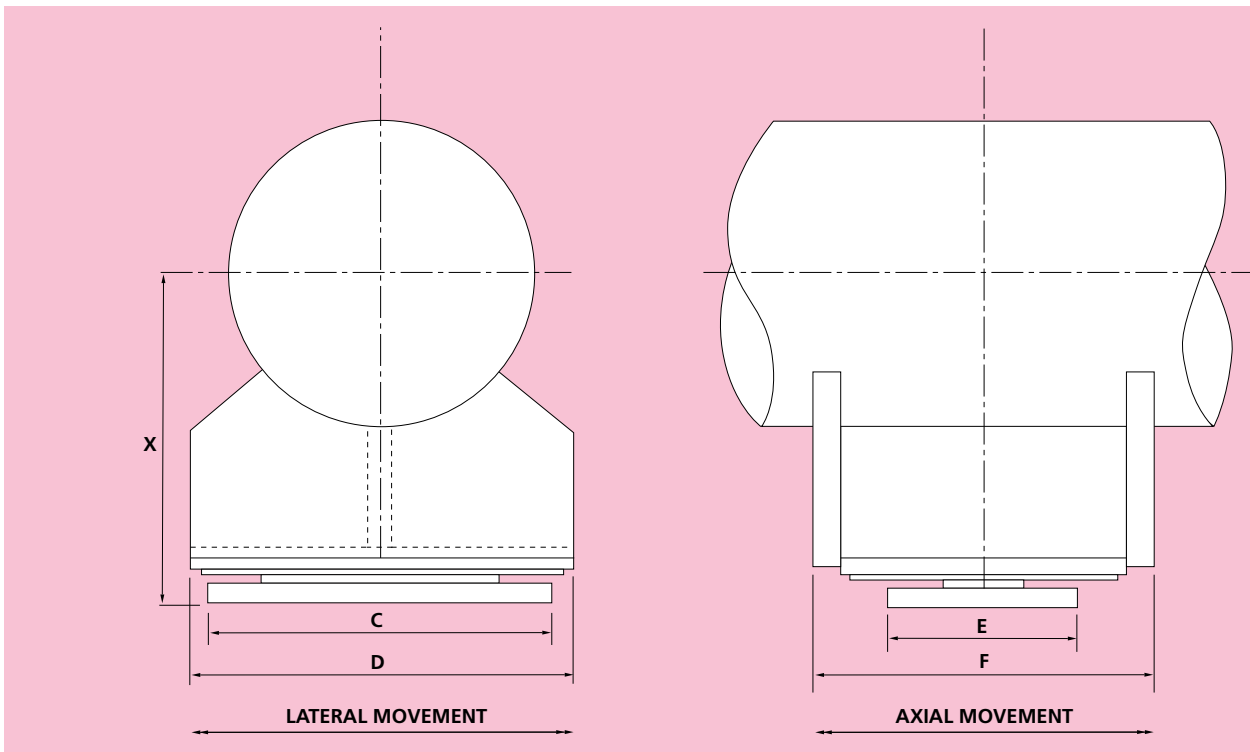


PIPE	PIPE	X		C	D	AXIAL MOVEMENT						OPERATING LOAD		
						RANGE A1			RANGE A2					
NB	O/D	Min	Max	mm	mm	MOV'T RANGE	E	F	MOV'T RANGE	E	F	B	Min	Max
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
15	21.3	55	120	55	76	0-25	55	100	25-50	55	130	96	100	300
20	26.7	60	125	55	76	0-25	55	100	25-50	55	130	100	100	300
25	33.4	60	125	55	76	0-25	55	100	25-50	55	130	106	100	300
32	42.2	70	130	55	76	0-25	55	100	25-50	55	130	126	100	300
40	48.3	70	135	55	76	0-25	55	100	25-50	55	130	132	100	300
50	60.3	75	140	55	76	0-25	55	100	25-50	55	130	142	100	300
65	73.0	105	150	70	89	0-25	70	150	25-50	70	200	204	200	600
80	88.9	110	160	70	89	0-25	70	150	25-50	70	200	214	200	600
100	114.3	115	170	70	89	0-25	70	150	25-50	70	200	238	200	600
125	141.3	125	180	70	89	0-25	70	150	25-50	70	200	264	200	600
150	168.3	135	195	70	89	0-25	70	150	25-50	70	200	294	200	600
175	193.7	145	260	100	102	0-25	100	200	25-50	100	200	318	500	1500
200	219.1	155	275	100	102	0-25	100	200	25-50	100	200	344	500	1500
225	244.5	160	285	100	102	0-25	100	200	25-50	100	200	368	500	1500
250	273.0	175	300	100	102	0-25	100	200	25-50	100	200	398	500	1500
300	323.9	205	330	140	150	0-50	140	300	50-100	140	300	480	1000	3000
350	355.6	220	345	140	150	0-50	140	300	50-100	140	300	532	1000	3000
400	406.4	250	370	140	150	0-50	140	300	50-100	140	300	608	1000	3000
450	457.2	290	400	200	250	0-50	200	345	50-100	200	345	716	2500	7500
500	508.0	315	425	200	250	0-50	200	345	50-100	200	345	766	2500	7500
550	558.8	340	450	200	250	0-50	200	345	50-100	200	345	816	2500	7500
600	609.6	365	480	200	250	0-50	200	360	50-100	200	360	870	2500	7500
650	660.4	390	500	200	250	0-50	200	360	50-100	200	360	920	2500	7500
700	711.2	415	530	200	250	0-50	200	360	50-100	200	360	970	2500	7500
750	762.0	445	550	200	250	0-50	200	360	50-100	200	360	1020	2500	7500
800	812.8	470	580	200	250	0-50	200	370	50-100	200	370	1110	2500	7500
850	863.6	495	600	200	250	0-50	200	370	50-100	200	370	1160	2500	7500
900	914.4	520	630	200	250	0-50	200	370	50-100	200	370	1210	2500	7500
1000	1016	575	680	200	250	0-50	200	380	50-100	200	380	1358	2500	7500

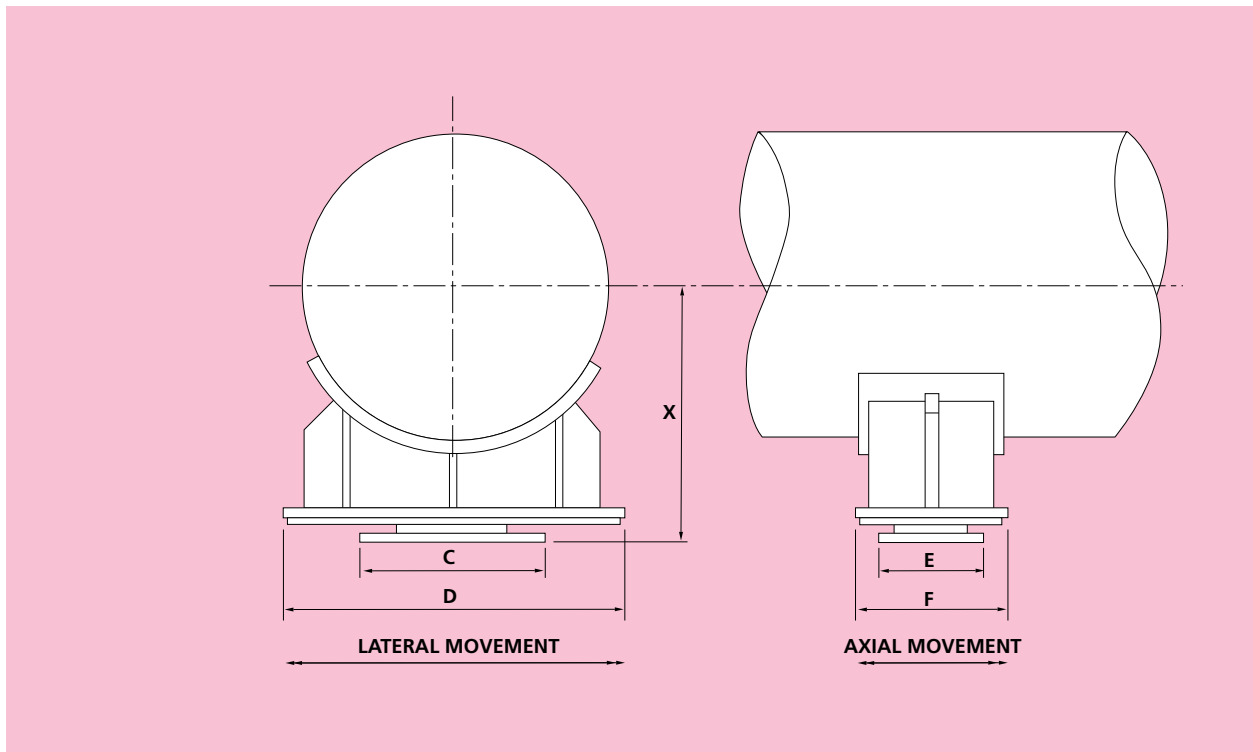


PIPE	PIPE	X		AXIAL MOVEMENT								OPERATING LOAD		
				RANGE A1			RANGE A2							
NB	O/D	Min	Max	C	D	MOV/T RANGE	E	F	MOV/T RANGE	E	F	B	Min	Max
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
15	21.3	55	120	55	76	0-25	55	100	25-50	55	130	96	100	300
20	26.7	60	125	55	76	0-25	55	100	25-50	55	130	100	100	300
25	33.4	60	125	55	76	0-25	55	100	25-50	55	130	106	100	300
32	42.2	70	130	55	76	0-25	55	100	25-50	55	130	126	100	300
40	48.3	70	135	55	76	0-25	55	100	25-50	55	130	132	100	300
50	60.3	75	140	55	76	0-25	55	100	25-50	55	130	142	100	300
65	73.0	105	150	70	89	0-25	70	150	25-50	70	200	204	200	600
80	88.9	110	160	70	89	0-25	70	150	25-50	70	200	214	200	600
100	114.3	115	170	70	89	0-25	70	150	25-50	70	200	238	200	600
125	141.3	125	180	70	89	0-25	70	150	25-50	70	200	264	200	600
150	168.3	135	195	70	89	0-25	70	150	25-50	70	200	294	200	600
175	193.7	145	260	100	102	0-25	100	200	25-50	100	200	318	500	1500
200	219.1	155	275	100	102	0-25	100	200	25-50	100	200	344	500	1500
225	244.5	160	285	100	102	0-25	100	200	25-50	100	200	368	500	1500
250	273.0	175	300	100	102	0-25	100	200	25-50	100	200	398	500	1500
300	323.9	205	330	140	150	0-50	140	300	50-100	140	300	480	1000	3000
350	355.6	220	345	140	150	0-50	140	300	50-100	140	300	532	1000	3000
400	406.4	250	370	140	150	0-50	140	300	50-100	140	300	608	1000	3000
450	457.2	290	400	200	250	0-50	200	345	50-100	200	345	716	2500	7500
500	508.0	315	425	200	250	0-50	200	345	50-100	200	345	766	2500	7500
550	558.8	340	450	200	250	0-50	200	345	50-100	200	345	816	2500	7500
600	609.6	365	480	200	250	0-50	200	360	50-100	200	360	870	2500	7500
650	660.4	390	500	200	250	0-50	200	360	50-100	200	360	920	2500	7500
700	711.2	415	530	200	250	0-50	200	360	50-100	200	360	970	2500	7500
750	762.0	445	550	200	250	0-50	200	360	50-100	200	360	1020	2500	7500
800	812.8	470	580	200	250	0-50	200	370	50-100	200	370	1110	2500	7500
850	863.6	495	600	200	250	0-50	200	370	50-100	200	370	1160	2500	7500
900	914.4	520	630	200	250	0-50	200	370	50-100	200	370	1210	2500	7500
1000	1016	575	680	200	250	0-50	200	380	50-100	200	380	1358	2500	7500



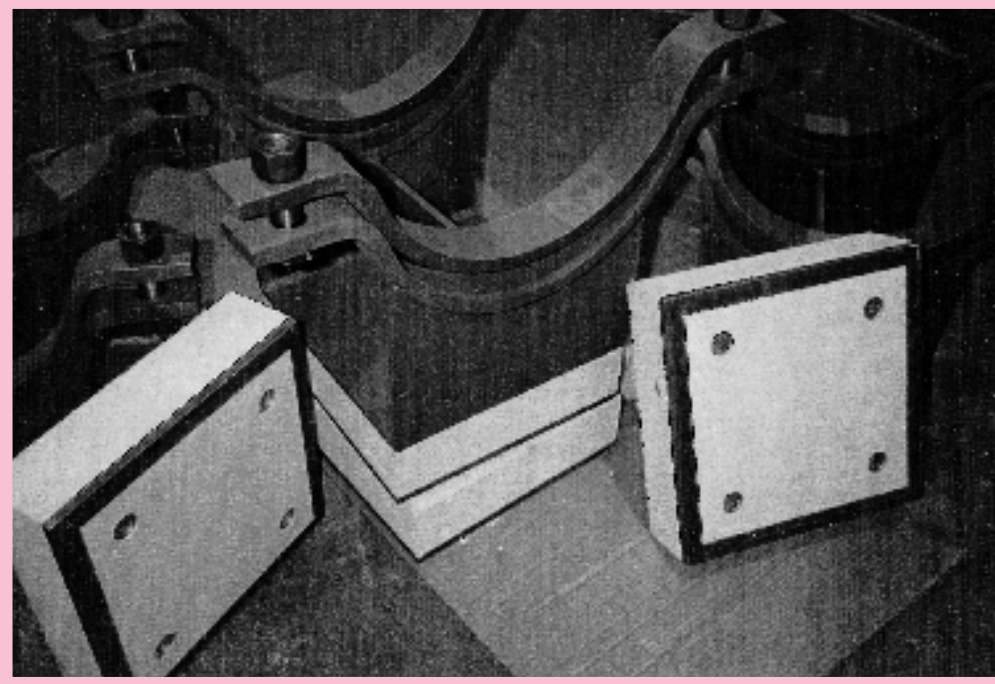


PIPE	PIPE	X		LATERAL MOVEMENT						AXIAL MOVEMENT						OPERATING LOAD	
				RANGE L1			RANGE L2			RANGE A1			RANGE A2				
NB	O/D	Min	Max	MOV'T RANGE	C	D	MOV'T RANGE	C	D	MOV'T RANGE	E	F	MOV'T RANGE	E	F	Min	Max
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
15	21.3	35	120	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	100	300
20	26.7	35	125	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	100	300
25	33.4	40	125	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	100	300
32	42.2	45	130	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	100	300
40	48.3	50	135	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	100	300
50	60.3	55	140	0-25	55	76	25-50	55	102	0-25	55	100	25-50	55	130	100	300
65	73.0	70	150	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	200	600
80	88.9	75	160	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	200	600
100	114.3	90	170	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	200	600
125	141.3	105	180	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	200	600
150	168.3	120	195	0-25	70	89	25-50	70	127	0-25	70	150	25-50	70	200	200	600
175	193.7	135	260	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	500	1500
200	219.1	150	275	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	500	1500
225	244.5	160	285	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	500	1500
250	273.0	175	300	0-25	100	102	25-50	100	127	0-25	100	200	25-50	100	200	500	1500
300	323.9	205	330	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	1000	3000
350	355.6	220	345	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	1000	3000
400	406.4	250	370	0-50	140	150	50-100	140	200	0-50	140	300	50-100	140	300	1000	3000
450	457.2	290	400	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	2500	7500
500	508.0	315	425	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	2500	7500
550	558.8	340	450	0-50	200	250	50-100	200	250	0-50	200	345	50-100	200	345	2500	7500
600	609.6	365	480	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	2500	7500
650	660.4	390	500	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	2500	7500
700	711.2	415	530	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	2500	7500
750	762.0	445	550	0-50	200	250	50-100	200	250	0-50	200	360	50-100	200	360	2500	7500
800	812.8	470	580	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	2500	7500
850	863.6	495	600	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	2500	7500
900	914.4	520	630	0-50	200	250	50-100	200	250	0-50	200	370	50-100	200	370	2500	7500
1000	1016	575	680	0-50	200	250	50-100	200	250	0-50	200	380	50-100	200	380	2500	7500



PIPE	PIPE	X		LATERAL MOVEMENT						AXIAL MOVEMENT						OPERATING LOAD	
				RANGE L1			RANGE L2			RANGE A1			RANGE A2				
NB	O/D	Min	Max	MOV'T RANGE	C	D	MOV'T RANGE	C	D	MOV'T RANGE	E	F	MOV'T RANGE	E	F	Min	Max
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
300	323.9	205	335	0-50	250	260	50-100	300	360	0-50	120	300	50-100	120	300	1500	4500
350	355.6	220	350	0-50	250	260	50-100	300	360	0-50	120	300	50-100	120	300	1500	4500
400	406.4	250	380	0-50	300	300	50-100	350	400	0-50	180	300	50-100	180	350	1500	4500
450	457.2	280	405	0-50	300	300	50-100	350	400	0-50	180	300	50-100	180	350	3300	10000
500	508.0	305	430	0-50	300	300	50-100	350	400	0-50	180	300	50-100	180	350	3300	10000
550	558.8	330	455	0-50	300	300	50-100	350	400	0-50	180	300	50-100	180	350	3300	10000
600	609.6	335	480	0-50	330	330	50-100	380	430	0-50	180	300	50-100	180	350	3300	10000
650	660.4	355	505	0-50	330	330	50-100	380	430	0-50	180	350	50-100	180	350	3300	10000
700	711.2	405	530	0-50	330	330	50-100	380	430	0-50	180	350	50-100	180	350	3300	10000
750	762.0	435	560	0-50	400	400	50-100	450	500	0-50	200	400	50-100	200	400	3300	10000
800	812.8	460	590	0-50	400	400	50-100	450	500	0-50	200	400	50-100	200	400	3300	10000
850	863.6	485	615	0-50	400	400	50-100	450	500	0-50	200	400	50-100	200	400	3300	10000
900	914.4	510	640	0-50	400	400	50-100	450	500	0-500	200	400	50-100	200	400	3300	10000
1000	1016	560	690	0-50	400	400	50-100	450	500	0-50	200	400	50-100	200	400	3300	10000

- 7
- 8
- 9
- 10
- 11



Easislide PTFE Slide Bearings with load bearing insulation to allow movement of CroMo alloy shoes at 510 °C

Large multiple pad bearings on exhaust chimneys at Teesside P.S.

