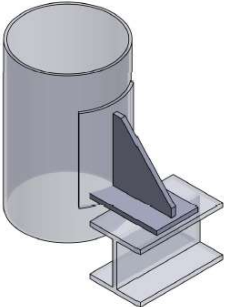
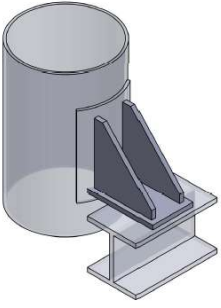
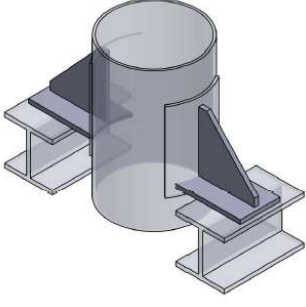
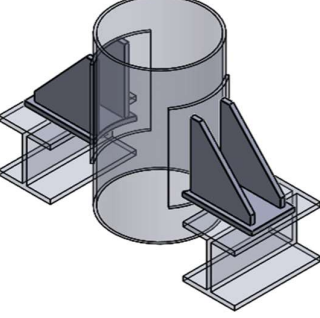
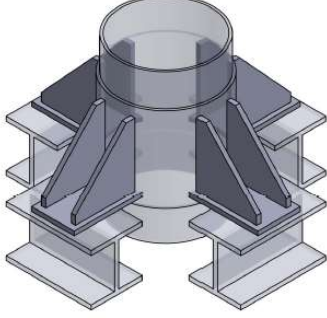
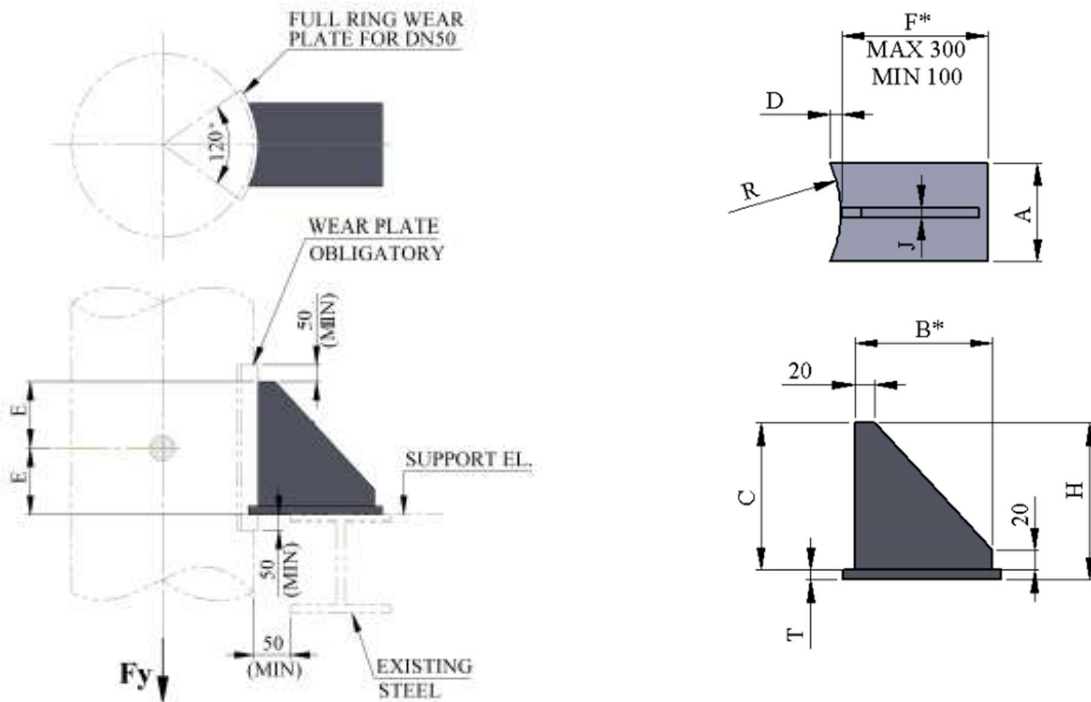


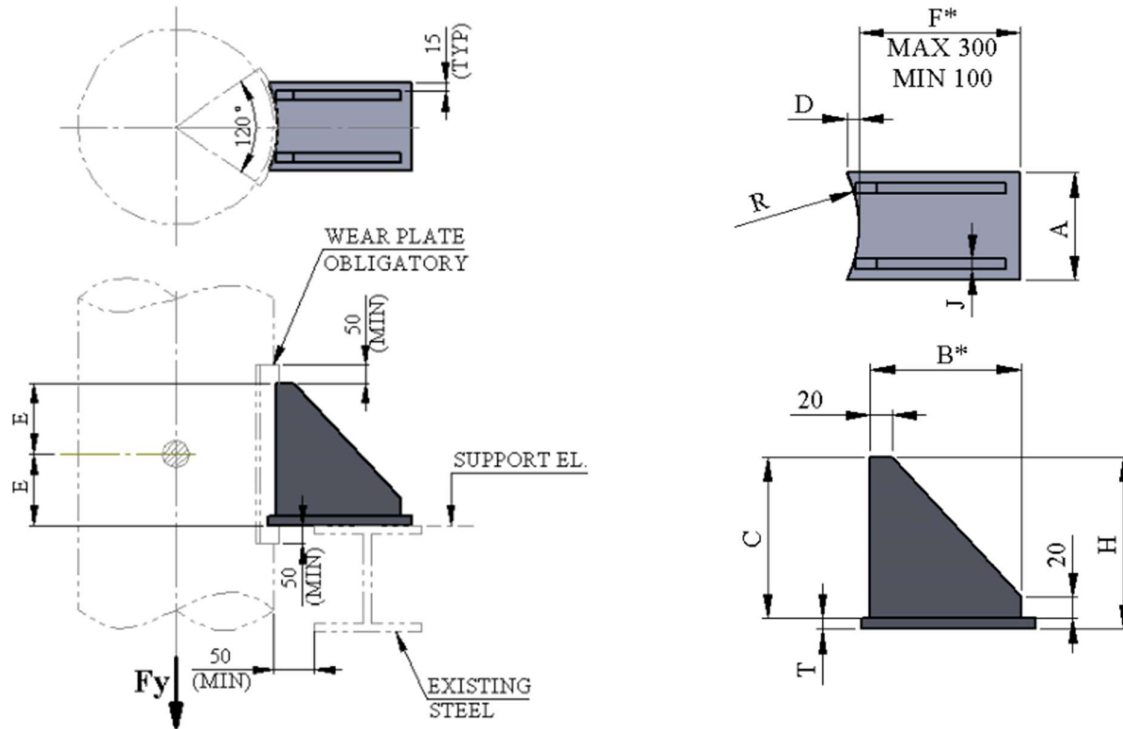
<b>14.</b>	<b>PLATE TRUNNION</b>	
<b>14.1</b>	<p><b>T-PT-001</b>  <b>PLATE TRUNNION ,</b>  <b>SINGLE POINT (LIGHT LOADS)</b>  <b>FOR CS, SS &amp; ALLOY LINES</b></p> 	<p><b>14.2</b></p> <p><b>T-PT-002</b>  <b>PLATE TRUNNION ,</b>  <b>SINGLE POINT (HEAVY LOADS)</b>  <b>FOR CS, SS &amp; ALLOY LINES</b></p> 
<b>14.3</b>	<p><b>T-PT-003</b>  <b>PLATE TRUNNION ,</b>  <b>2-POINT (LIGHT LOADS)</b>  <b>FOR CS, SS &amp; ALLOY LINES</b></p> 	<p><b>14.4</b></p> <p><b>T-PT-004</b>  <b>PLATE TRUNNION ,</b>  <b>2-POINT (HEAVY LOADS)</b>  <b>FOR CS, SS &amp; ALLOY LINES</b></p> 
<b>14.5</b>	<p><b>T-PT-005</b>  <b>PLATE TRUNNION ,</b>  <b>4-POINT (HEAVY LOADS)</b>  <b>FOR CS, SS &amp; ALLOY LINES</b></p> 	

**14.1 PLATE TRUNNION SINGLE POINT (LIGHT LOADS) FOR CS,SS & ALLOY LINES**
**PT-001**


TYPICAL PART NUMBER	AVAILABLE MATERIAL SHORT CODE	STD DETAIL TEMPERATURE LIMITATION	
		MAX. DESIGN TEMP	MIN. DESIGN TEMP
T-PT-001-(DN)-CS#B=(DIM)F=(DIM)	CS	350 °C	(-) 20 °C
T-PT-001-(DN)-SS#B=(DIM)F=(DIM)	SS	350 °C	(-) 196 °C(-105°C) (Refer Note)
T-PT-001-(DN)-LCS#B=(DIM)F=(DIM)	LCS	350 °C	(-) 46 °C
T-PT-001-(DN)-TI#B=(DIM)F=(DIM)	TI	350 °C	(-) 196 °C

TYPE	LINE SIZE			BRACKET									MAX. LOADS (kN)
	DN (mm)	NPS in (inch)	NPS in (mm)	A	B	C	D	E	F	R	H	J/T	Fy
T-PT-001-0050	DN 50	2"	60.3	50	*	90	10	50	*	36	100	10	2.5
T-PT-001-0080	DN 80	3"	88.9	50	*	90	7	50	*	50	100	10	3.6
T-PT-001-0100	DN 100	4"	114.3	60	*	140	8	75	*	63	150	10	7.8
T-PT-001-0150	DN 150	6"	168.3	80	*	140	9	75	*	90	150	10	10.9
T-PT-001-0200	DN 200	8"	219.1	100	*	140	11	75	*	115	150	10	11.3
T-PT-001-0250	DN 250	10"	273.0	120	*	190	13	100	*	143	200	10	24.4

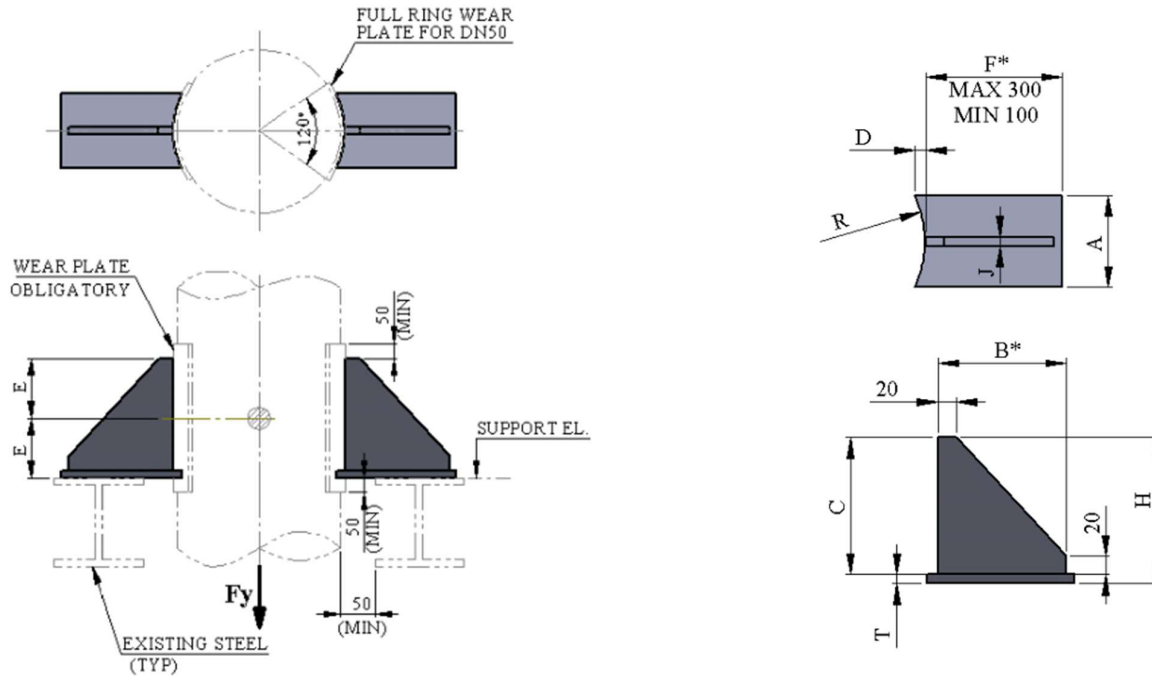
Variable sizes defined in part name.  
 For material specification, see pipe support work instruction.  
 All welds to be a=0.7 x W.T. but maximum 4mm CFW.  
 Always use in conjunction with a wear plate.  
 Impact Test Req'd. for the below min design temperature  
 for Matl. Code SS (-)196° c, for Matl. Code LCS (-)46°c.

**14.2 PLATE TRUNNION SINGLE POINT (HEAVY LOADS) FOR CS,SS & ALLOY LINES**
**PT-002**


TYPICAL PART NUMBER	AVAILABLE MATERIAL SHORT CODE	STD DETAIL TEMPERATURE LIMITATION	
		MAX. DESIGN TEMP	MIN. DESIGN TEMP
T-PT-002-(DN)-CS#B=(DIM)F=(DIM)	CS	350 °C	(-) 20 °C
T-PT-002-(DN)-SS#B=(DIM)F=(DIM)	SS	350 °C	(-) 196 °C(-105°C) (Refer Note)
T-PT-002-(DN)-LCS#B=(DIM)F=(DIM)	LCS	350 °C	(-) 46 °C
T-PT-002-(DN)-TI#B=(DIM)F=(DIM)	TI	350 °C	(-) 196 °C

TYPE	LINE SIZE			BRACKET									MAX. LOADS
	DN (mm)	NPS in (inch)	NPS in (mm)	A	B	C	D	E	F	R	H	J/T	Fy (kN)
T-PT-002-0300	DN 300	12"	323.8	160	*	185	20	100	*	168	200	15	37
T-PT-002-0350	DN 350	14"	355.6	160	*	185	18	100	*	184	200	15	37
T-PT-002-0400	DN 400	16"	406.4	200	*	185	25	100	*	209	200	15	38.4
T-PT-002-0450	DN 450	18"	457.2	200	*	185	22	100	*	235	200	15	38.4
T-PT-002-0500	DN 500	20"	508	200	*	185	20	100	*	260	200	15	57.8
T-PT-002-0600	DN 600	24"	609.6	200	*	185	17	100	*	311	200	15	57.8

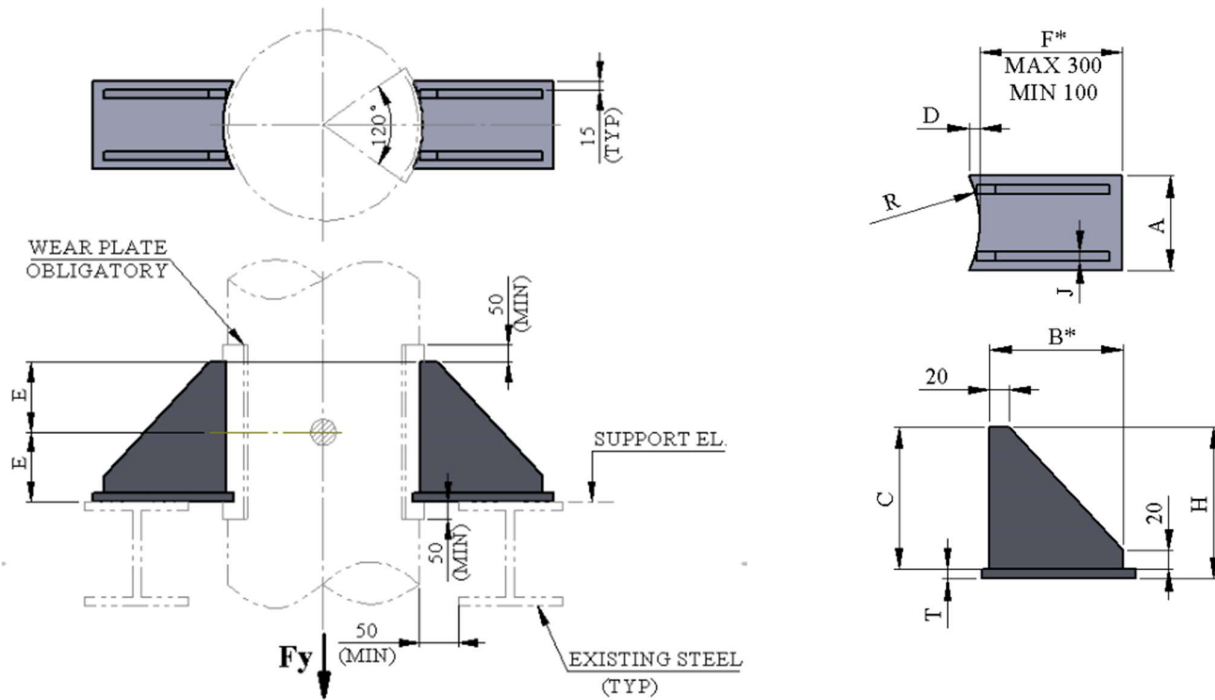
Variable sizes defined in part name.  
 For material specification, see pipe support work instruction.  
 All welds to be a=0.7 x W.T. but maximum 4mm CFW.  
 Always use in conjunction with a wear plate.  
 Impact Test Req'd. for the below min design temperature  
 for Matl. Code SS (-)196° c, for Matl. Code LCS (-)46°c.

**14.3 PLATE TRUNNION, 2-POINT (LIGHT LOADS) FOR CS,SS & ALLOY LINES**
**PT-003**


TYPICAL PART NUMBER	AVAILABLE MATERIAL SHORT CODE	STD DETAIL TEMPERATURE LIMITATION	
		MAX. DESIGN TEMP	MIN. DESIGN TEMP
T-PT-002-(DN)-CS#B=(DIM)F=(DIM)	CS	350 °C	(-) 20 °C
T-PT-002-(DN)-SS#B=(DIM)F=(DIM)	SS	350 °C	(-) 196 °C(-105°C) (Refer Note)
T-PT-002-(DN)-LCS#B=(DIM)F=(DIM)	LCS	350 °C	(-) 46 °C
T-PT-002-(DN)-TI#B=(DIM)F=(DIM)	TI	350 °C	(-) 196 °C

TYPE	LINE SIZE			BRACKET									MAX. LOADS Fy (kN)
	DN (mm)	NPS in (inch)	NPS in (mm)	A	B	C	D	E	F	R	H	J/T	
T-PT-003-0050	DN 50	2"	60.3	50	*	90	10	50	*	36	100	10	5
T-PT-003-0080	DN 80	3"	88.9	50	*	90	7	50	*	50	100	10	7.2
T-PT-003-0100	DN 100	4"	114.3	60	*	140	8	75	*	63	150	10	15.6
T-PT-003-0150	DN 150	6"	168.3	80	*	140	9	75	*	90	150	10	21.8
T-PT-003-0200	DN 200	8"	219.1	100	*	140	11	75	*	115	150	10	22.6
T-PT-003-0250	DN 250	10"	273.0	120	*	190	13	100	*	143	200	10	48.8

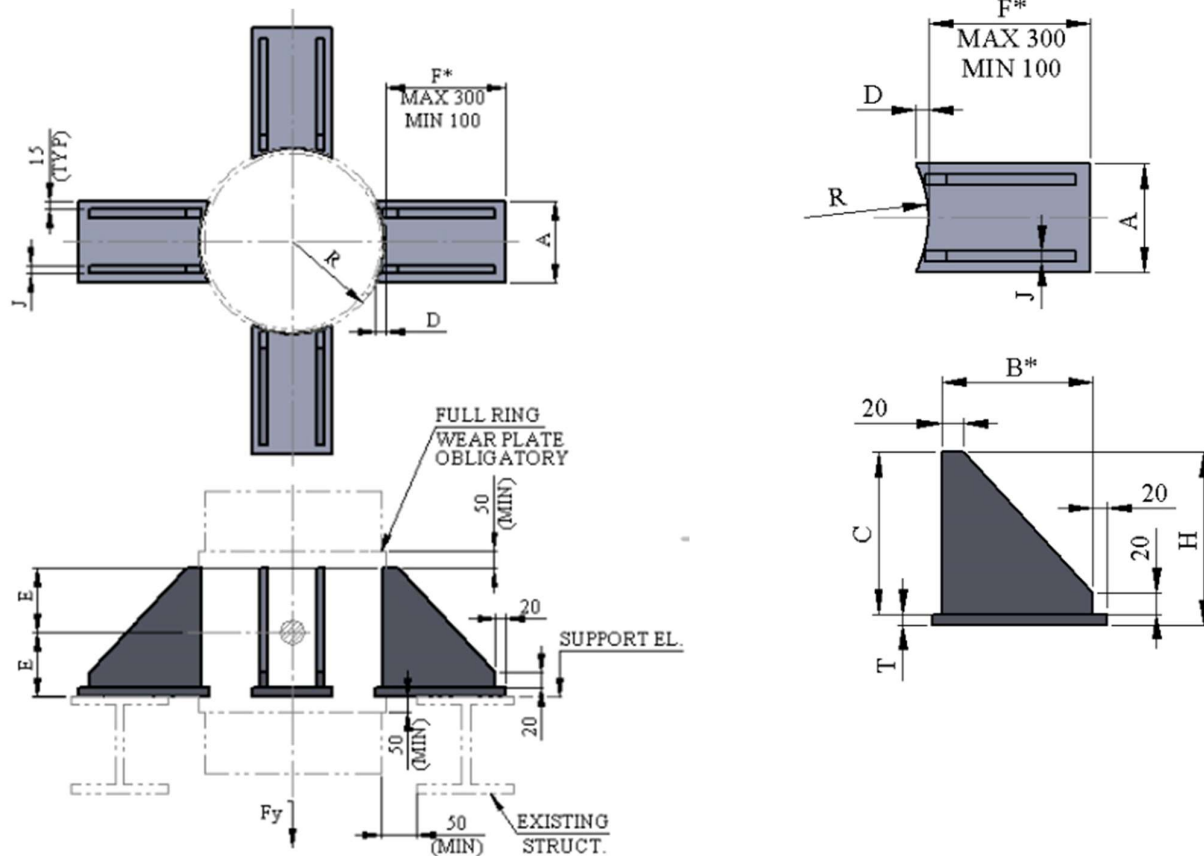
Variable sizes defined in part name.  
 For material specification , see pipe support work instruction.  
 All welds to be a=0.7 x W.T. but maximum 4mm CFW.  
 Always use in conjunction with a wear plate.  
 Impact Test Req'd. for the below min design temperature  
 for Matl. Code SS (-)196° c, for Matl. Code LCS, (-)46°c.

**14.4 PLATE TRUNNION, 2-POINT (HEAVY LOADS) FOR CS,SS & ALLOY LINES**
**PT-004**


TYPICAL PART NUMBER	AVAILABLE MATERIAL SHORT CODE	STD DETAIL TEMPERATURE LIMITATION	
		MAX. DESIGN TEMP	MIN. DESIGN TEMP
T-PT-002-(DN)-CS#B=(DIM)F=(DIM)	CS	350 °C	(-) 20 °C
T-PT-002-(DN)-SS#B=(DIM)F=(DIM)	SS	350 °C	(-) 196 °C(-105°C) (Refer Note)
T-PT-002-(DN)-LCS#B=(DIM)F=(DIM)	LCS	350 °C	(-) 46 °C
T-PT-002-(DN)-TI#B=(DIM)F=(DIM)	TI	350 °C	(-) 196 °C

TYPE	LINE SIZE			BRACKET										MAX. LOADS
	DN (mm)	NPS in (inch)	NPS in (mm)	A	B	C	D	E	F	R	H	T	J	Fy (kN)
T-PT-004-0300	DN 300	12"	323.8	160	*	180	20	100	*	168	200	20	15	74.3
T-PT-004-0350	DN 350	14"	355.6	160	*	180	18	100	*	184	200	20	15	74.3
T-PT-004-0400	DN 400	16"	406.4	200	*	180	25	100	*	209	200	20	15	76.8
T-PT-004-0450	DN 450	18"	457.2	200	*	180	22	100	*	235	200	20	15	76.8
T-PT-004-0500	DN 500	20"	508	200	*	230	20	125	*	260	250	20	15	115.6
T-PT-004-0600	DN 600	24"	609.6	200	*	230	17	125	*	311	250	20	15	115.6

Variable sizes defined in part name.  
 For material specification, see pipe support work instruction.  
 All welds to be a=0.7 x W.T. but maximum 4mm CFW.  
 Always use in conjunction with a wear plate.  
 Impact Test Req'd. for the below min design temperature  
 for Matl. Code SS (-)196° c, for Matl. Code LCS (-)46°c.

**14.5 PLATES TRUNNION , 4-POINT (HEAVY LOADS) FOR CS,SS & ALLOY LINES**
**PT-005**


TYPICAL PART NUMBER	AVAILABLE MATERIAL SHORT CODE	STD DETAIL TEMPERATURE LIMITATION	
		MAX. DESIGN TEMP	MIN. DESIGN TEMP
T-PT-002-(DN)-CS#B=(DIM)F=(DIM)	CS	350 °C	(-) 20 °C
T-PT-002-(DN)-SS#B=(DIM)F=(DIM)	SS	350 °C	(-) 196 °C(-105°C) (Refer Note)
T-PT-002-(DN)-LCS#B=(DIM)F=(DIM)	LCS	350 °C	(-) 46 °C
T-PT-002-(DN)-TI#B=(DIM)F=(DIM)	TI	350 °C	(-) 196 °C

TYPE	LINE SIZE			BRACKET									MAX. LOADS
	DN (mm)	NPS in (inch)	NPS in (mm)	A	B	C	D	E	F	R	H	J/T	Fy (kN)
T-PT-005-0400	DN 400	16"	406.4	200	*	480	25	250	*	209	500	20	233
T-PT-005-0450	DN 450	18"	457.2	200	*	530	22	275	*	235	550	20	258
T-PT-005-0500	DN 500	20"	508	200	*	580	20	300	*	260	600	20	284
T-PT-005-0600	DN 600	24"	609.6	200	*	630	17	325	*	311	650	20	297

Variable sizes defined in part name.  
 For material specification , see pipe support work instruction.  
 All welds to be a=0.7 x W.T. but maximum 4mm CFW.  
 Always use in conjunction with a wear plate.  
 Impact Test Reqd. for the below min design temperature  
 for Matl. Code SS (-)196° c, for Matl. Code LCS (-)46°c.