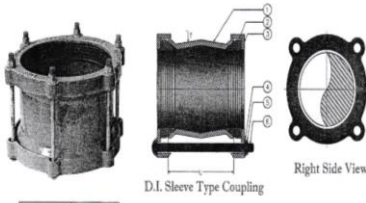
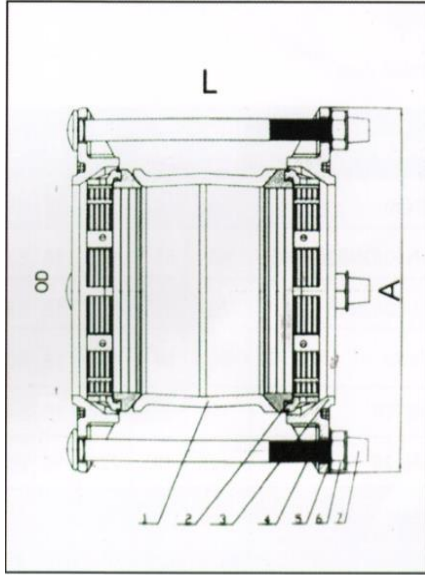


Section VII. Technical Specifications

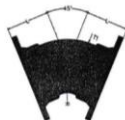
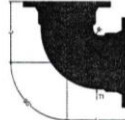
Item	Specification	Statement of Compliance																																				
	<p>GI Nipple : Schedule 40-standard</p> <p>Thread Seal tape: 1/2" x 0.1mm x 10m</p> <p>Sleeve Type Coupling: ≥ 9" in length (made of D.I., color blue)</p> <p style="text-align: center;">D. I. Sleeve Type Coupling</p>  <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th>NOMINAL SIZE</th> <th>OUTSIDE PIPE PVC</th> </tr> </thead> <tbody> <tr><td>50</td><td>63</td></tr> <tr><td>75</td><td>90</td></tr> <tr><td>100</td><td>110</td></tr> <tr><td>150</td><td>160</td></tr> <tr><td>200</td><td>225</td></tr> <tr><td>250</td><td>280</td></tr> <tr><td>300</td><td>315</td></tr> </tbody> </table> <table style="margin-left: auto; margin-right: auto; border: none;"> <tr> <td style="padding-right: 20px;">PARTS:</td> <td>MATERIAL</td> </tr> <tr> <td>1. BODY</td> <td>DUCTILE IRON</td> </tr> <tr> <td>2. RUBBER SEAL</td> <td>RUBBER</td> </tr> <tr> <td>3. GLAND RING</td> <td>DUCTILE</td> </tr> <tr> <td>4. BOLTS</td> <td>STAINLESS STEEL</td> </tr> <tr> <td>5. NUTS</td> <td>STAINLESS STEEL</td> </tr> <tr> <td>6. WASHER</td> <td>STAINLESS STEEL</td> </tr> </table> <p>Sleeve Type Coupling with Brass Tensile Ring</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 30%;">1. Body</td> <td>GGG50+FBE RAL5017</td> </tr> <tr> <td>2. Tensile Sealing Ring</td> <td>Brass+EPDM EN 681-1</td> </tr> <tr> <td>1. Bracket</td> <td>GGG50+FBE RAL5017</td> </tr> </tbody> </table>	NOMINAL SIZE	OUTSIDE PIPE PVC	50	63	75	90	100	110	150	160	200	225	250	280	300	315	PARTS:	MATERIAL	1. BODY	DUCTILE IRON	2. RUBBER SEAL	RUBBER	3. GLAND RING	DUCTILE	4. BOLTS	STAINLESS STEEL	5. NUTS	STAINLESS STEEL	6. WASHER	STAINLESS STEEL	1. Body	GGG50+FBE RAL5017	2. Tensile Sealing Ring	Brass+EPDM EN 681-1	1. Bracket	GGG50+FBE RAL5017	<p>Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii).</p>
NOMINAL SIZE	OUTSIDE PIPE PVC																																					
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1. Bracket	GGG50+FBE RAL5017																																					

2. Washer	Carbon Steel Dacromet
3. Nut	Carbon Steel Dacromet
4. Square Neck Bolt	Carbon Steel Dacromet
5. Cap	Plastic

Size	OD	A	L	Blot Qty
PE50	55	140	90	2*M12
PE63	67	150	90	2*M12
PE75	80	150	90	2*M12
PE90	95	180	90	4*M12
PE110	115	200	90	4*M12
PE125	130	240	90	4*M12
PE160	165	270	90	4*M12
PE200	205	325	110	4*M12
PE225	230	325	110	4*M12
PE250	255	380	110	6*M12
PE280	285	380	110	6*M12
PE315	320	420	170	6*M12



D.I. Elbow Mechanical Type for uPVC/HDPE (comes with Tensile Restrained Metal Grip)

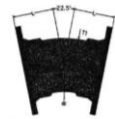


D.I. Elbow Mechanical Type
90 Degree for PVC Pipe

D.I. Elbow Mechanical Type
45 Degree for PVC Pipe

D. I. Elbow MJ/MJ 90 degree

NOMINAL SIZE	ID	T1
50	69	7
75	96	7
100	116	7.2
150	166	7.8
200	231	8.4
250	286	9
300	321	9.6



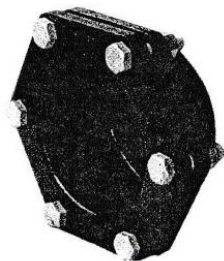
D.I. Elbow Mechanical Type
22.5 Degree for PVC Pipe

D.I. Elbow Mechanical Type
11.25 Degree for PVC Pipe

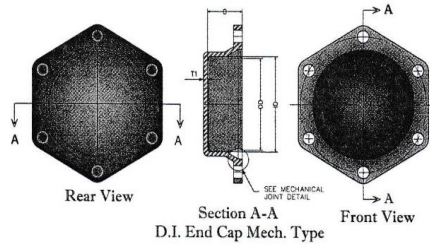
D. I. Elbow MJ/MJ 22.5 degree

NOMINAL SIZE	ID	T1
75	96	7
100	116	7.2
150	166	7.8
200	231	8.4
250	286	9
300	321	9.6

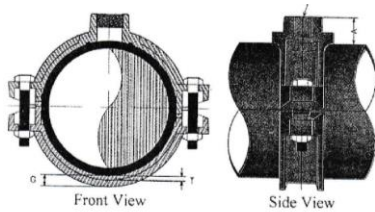
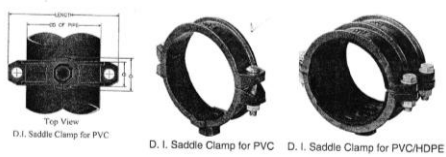
D.I. End Cap Mechanical Type



SIZE	OD OF PIPE PVC
50	63
75	90
100	110
150	160
200	225
250	280
300	315



Ductile Iron Saddle Clamp: Bolts is galvanized carriage bolt



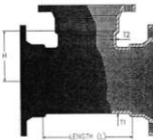
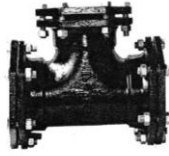
NOTES:

1. Material is ductile iron conforming to ASTM A-536.
2. Material of bolts and nuts is steel conforming to ASTM A-307 Grade B, and Galvanized as per ASTM A-153.

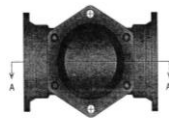
3. Materials of rubber ring gasket with narrow raised ridges is EPDM in compliance to ISO 4633 Class 70 and suitable for drinking water.
4. Coating is electrostatically applied epoxy powder.
5. Saddle shall not leak or break when tested under a pressure of 300 PSI.
6. This design is manufacturer's standard.

<u>NOMINAL PIPE SIZE</u>	<u>BOLT SIZE DIAMETER</u>	<u>OUTSIDE DIAMETER PVC PIPE</u>
50	12	63
75	12	90
100	12	110
150	12	160
200	16	225

Ductile Iron Tee Mechanical: Bolts is galvanized carriage bolt



Section A-A
D.I. Tee Mechanical Type



Top View

SIZE	
RUN	BRANCH
75	75
100	75
100	100
150	50
150	75
150	100
150	150
200	50
200	75
200	100
200	150
200	200
250	75
250	100
250	150
250	200
250	250
300	75
300	100
300	150
300	200
300	250
300	300