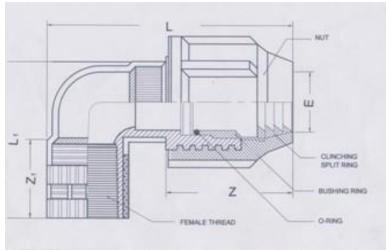
# Section VII. Technical Specifications

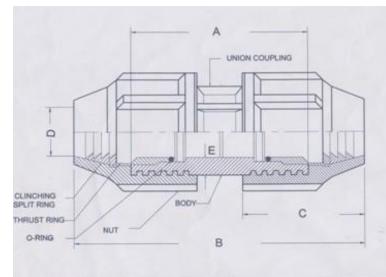
Item	Specification	Statement of Compliance
1.	Must have Marking/leveling per meter  Others: See Attached drawings	Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. 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).



SIZE	E	L	Lt	Z	21	THREAD/IN TPI	(Pitch)
20mm x 1/2*	21,30	95.20	54.70	56.00	25.00	14	1,814
25mm x 1/2*	26.30	108.00	59.00	56.90	27.70	14	1.814
25mm x 3/4*	26.30	108.00	59.00	56.90	27.70	14	1.814
32mm x 1*	34.20	123.00	74.00	63.00	32.60	.11	2.309
50mm x 1-1/2*	51.00	168.30	106.80	88.80	35.30	11	2.309
63mm x 2*	63.80	198.00	123.50	96.00	40.90	11	2.309

## SPECIFICATIONS:

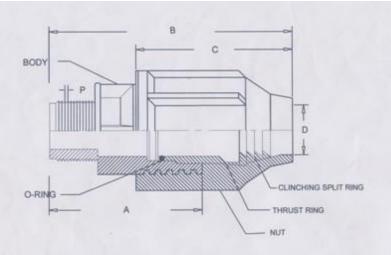
- 1. COMPRESSION JOINT SHALL CONFORM TO ISO 3501.
- 2. DIMENSIONS ARE IN MILLIMETERS OTHERWISE SPECIFIED.
- BODY AND NUT ARE MADE OF HIGH GRADE. POLYPROPYLENE.
- CLINCHING RING IS MADE OF ACETAL CO-POLYMER SHALL CONFORM TO ISO 14296.
- 5. THRUST FONG IS MADE OF NYLON.
- O-RING IS MADE OF NITRILE RUBBER IN COMPLIANCE WITH 19O 4633 AND SHALL BE SUITABLE FOR DRINKING WATER.
- T. JOINT CONNECTION TO FIT BERVICE TUBING MATERIALS MADE OF PE.
- E. FEMALE THREAD SHALL CONFORM TO ISOT-1.
- 9. COLOR BLACK
- 10. NO LOGGE COMPONENT.
- 11. PLASTIC FITTINGS SHALL PASS THE TEST REQUIREMENTS OF ISO, AWAY AND ASTA STANDARDS.



# SPECIFICATIONS:

- BODY AND NUT ARE MADE FROM HIGH GRADE POLYPROPYLENE.
- CLINCHING SPLIT RING IS MADE OF ACETAL CO-POLYMER.
- 3. THRUST RING IS MADE OF NYLON.
- 4. O-RING IS MADE OF NITRILE RUBBER AND SHALL BE SUITABLE FOR DRINKING WATER.
- 5. COMPRESSION JOINT SHALL CONFORM TO ISO 228/1
- JOINT CONNECTION TO FIT SERVICE TUBING MATERIALS MADE OF PE.
- 7. COLOR BLACK.
- B. DIMENSIONS ARE IN MILLIMETER UNLESS SPECIFIED.
- PLASTIC FITTINGS SHALL PASSED THE TEST REQUIREMENTS OF ISO, AWWA AND ASTMISTANDARDS.
- 10. NO LOOSE COMPONENT.

SIZE	A	В	C	D	E
20mm x 20mm	67.5	129.9	55.7	20.7	3.30
25mm x 25mm	69.4	140.8	58.2	27.4	3.50
32mm x 32mm	88.6	155.6	62.7	34.4	4.00
40mm x 40mm	88.3	181.2	69.1	42.1	4.50
50mm x 50mm	124.5	235.4	88.7	50.7	4.90
63mm x 63mm	138.4	259.6	97.6	64.0	6.00

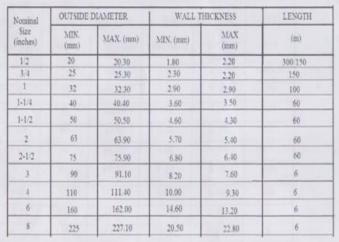


SIZE	A	В	С	D	THREAD/IN TPI	P (Pitch)
20mm x 1/2"	58.80	94.50	56.00	21.30	14	1.8
25mm x 3/4*	62.10	96.70	57.20	27.00	14.	1.8
32mm x 1*	75.60	111.50	63.00	34.20	11	2.3
50mm x 1-1/2*	99.70	157.00	89.00	51.00	11	2.3
63mm x 2"	116.00	175.00	98.00	63.80	11	2.3

#### SPECIFICATIONS:

- BODY AND NUT ARE MADE FROM HIGH GRADE POLYPROPYLENE.
- CLINCHING SPLIT RING IS MADE OF ACETAL CO-POLYMER.
- THRUST RING IS MADE OF NYLON.
- O-RING IS MADE OF NITRILE RUBBER AND SHALL BE SUITABLE FOR DRINKING WATER.
- COMPRESSION JOINT SHALL CONFORM TO ISO 228/1
- JOINT CONNECTION TO FIT SERVICE TUBING MATERIALS MADE OF PE.
- MALE TAPERED THREAD SHALL CONFORM TO ISO R7.
- DIMENSIONS ARE IN MILLIMETER UNLESS
- 9. PLASTIC FITTINGS SHALL PASSED THE TEST REQUIREMENTS OF ISO, AWWA AND ASTM STANDARDS.
- THERE ARE NO LOOSE COMPONENTS.







- A. Designation of Pipe Material (PE 80)
- B. SDR Number (SDR 11)
- C. Nominal Outside Dunneter in mm
- D. Manufacturer's Name E. Production Date Number
- F. The Words (For Potable Water)

### SPECIFICATION:

- 1. MATERIAL Shall be PE80 as listed in ISO 4427 with corresponding MRS at 30 years and 20 c at 8MPa and minimum allowable hydrostatic design stress of 6.3 MPa

  DIMENSION- Conforming to ISO 4427

  PRESSURE RATING- SDR 11 with nominal pressure

- MARKINGS- MIG HDPE SDR 11 O.D for potable water production date
- TESTING- Conforming to ISO 1167

  a) BURST PRESSURE = 3.47 MPa (504 psi) st 23 c
  b) SUSTAINED PRESSURE = 0.80 MPa (116.11 psi) @ 1000 hrs. (§0 c) c) LONG TERM PRESSURE = 0.92 MPa (133.53 psi) @ 165 hrs. (80 c)
  - d) The value for longitudinal reversion shall not be greater than 3 % when tested in accordance with ISO 2505-1