



YOUR TRUST

RAKSHA[®]

OUR GUARANTEE



IS 13592

CM/L No - 3013832

IS 14735

CM/L No - 4845478



www.shandgroup.com

WORLD CLASS PIPING SOLUTIONS
SWR
PIPES & FITTINGS

Shand Group's RAKSHA has always been relentless in its commitment to quality and service thus ensuring total customer satisfaction. Since its inception in 1977, RAKSHA has enhanced its product line to cater growing demand and serve the customers well. RAKSHA is very proud to introduce SWR uPVC pipes and fittings for soil, waste and rain water under the brand name: DUROfit for commercial, industrial, housing and public sector developments. RAKSHA with its quality and innovativeness has two brands for soil, waste and rain drainage namely DUROfit & CEMfit pipes and fittings suitable for all type of commercial & domestic installations.

RAKSHA offers soil, waste and rain plumbing systems. These systems offer installation options with high quality finish, superior dimensional accuracy and stability. These products are completely suitable for all types of commercial and domestic installations. We offer fully accredited product systems. RAKSHA DUROfit is manufactured as per IS-13592 and IS-14735 in 75, 90, 110 and 160mm. RAKSHA CEMfit is manufactured as per IS-13592 & IS-13592(with amendments).

RAKSHA is proud to introduce a new product named DUROfit under its able wings. RAKSHA DUROfit SWR system has a seal that ensures complete leak proof system is in place. This seal is named "Duro Ring". The yellow black seal (Duro Ring) holds itself permanently in the groove and doesn't fall out. The rubber ring ensures leak proof joints and helps compensate for the thermal expansion and contraction of plastics.

Salient Features:

- Light weight
- High flow rate
- Chemical resistance
- Non-flammable
- Non-conductive
- Corrosion resistant
- Weather resistant
- Enhanced Performance
- High impact strength

RAKSHA ensures that "Duro Ring" is at par with the International Standards.

Features of Duro Ring:

- 1) Made with the advanced co-moulding technology.
- 2) Consists of a plastic reinforced rubber ring which holds Duro Ring in the groove properly, thus ensuring 100% leak proof joints.
- 3) It also gives the power to the joints to withstand high pressure flow rates.
- 4) Unlike conventional rubber rings which slip out of the groove during installation, the DURO RING holds itself and stays attached to the groove by the plastic reinforcement that enables the joints to become 100% leak proof.



SWR PIPES DIMENSIONS

Nominal ø	Mean O.D.		O.D. At any point		Wall Thickness	
	Min	Max	Min	Max	Min	Max
DN						
75A	75	75.30	74.10	75.90	1.80	2.20
75B	75	75.30	74.10	75.90	3.20	3.80
90A	90	90.30	88.90	91.20	1.90	2.30
90B	90	90.30	88.90	91.20	3.20	3.80
110A	110	110.40	108.60	111.40	2.20	2.70
110B	110	110.40	108.60	111.40	3.20	3.80
160A	160	160.50	158.00	162.00	3.20	3.80
160B	160	160.50	158.00	162.00	4.20	4.80

All dimensions in mm

CEMfit SOCKET

Socket Depth	Mean I.D. of socket at Mid Point	
	Min	Max
40	75.10	75.30
40	75.10	75.30
46	90.10	90.30
46	90.10	90.30
48	110.10	110.40
48	110.10	110.40
58	160.20	160.50
58	160.20	160.50

All dimensions in mm

DUROfit SOCKET

Inside Dia of Socket		Length of Beading & Neck	Length beyond Beading
Min	Max	Min	Min
75.30	75.60	20.00	25.00
75.30	75.60	20.00	25.00
90.30	91.20	23.00	28.00
90.30	91.20	23.00	28.00
110.40	111.30	26.00	32.00
110.40	111.30	26.00	32.00
160.50	161.50	32.00	42.00
160.50	161.50	32.00	42.00

All dimensions in mm

DUROfit SWR uPVC PIPES
IS:14735 (With amendments)

- The end of the pipe is self socketed with an integral groove to hold the rubber gasket.
- When joined with a rubber ring, the joint formed is trouble free, water tight and ready to take care of thermal expansion / contraction.

CEMfit SWR uPVC PIPES
IS:13592 (With amendments)

- The end of the pipe is self socketed on automatic machines for accurate diameters.
- The pipe when joined using solvent cement, forms a permanent water tight joint.

NOTE : The company shall not be liable for any kind of damage(s) to the piping system, arising out of improper use and/or faulty workmanship.

OUR PRODUCTS

uPVC Column Pipes | CPVC Pipes & Fittings | uPVC ASTM-D Pipes & Fittings | uPVC SWR Pipes & Fittings | PVC Casing Pipes | HDPE Pipes
| PVC Suction Pipes | PVC Braided Pipes | Power Spray Pipes | PVC Tubing | PVC Garden & Water Pipes | PVC & Steel Wire Duct Pipes |
Flexible Corrugated Pipes | Lay Flat Tubes | PVC Water Stopper |

MARKETING OFFICES

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VAPI | VIJAYAWADA

Corporate office:

52, 7th Cross, Wilson Garden, Bangalore - 560 027. INDIA
Phone: +91-80-22235726 / 22271902 22225734 / 32921465
Phone: +91-80-22235726 / 22271902 22225734 / 32921465
Fax: +91-80-22234779
E-mail: shand@shandgroup.com