



Complete solutions in plumbing  
**SWR Pipes & Fittings**



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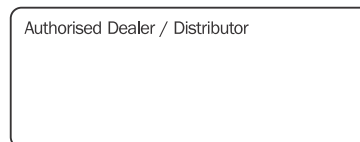
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**SHAKTI IRRIGATION PRIVATE LTD.**

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Shakti SWR pipes and fittings are specially designed and manufactured using high grade raw material and are an ideal solution for efficient removal of waste in the drainage system. SWR pipes and fittings are used for non-pressure plumbing applications, such as transportation of soil, waste and rainwater, non-pressure industrial drainage applications, and waste discharge systems in residential and commercial complexes, resorts, and hospitals. Shakti PVC SWR pipes system is an ideal replacement for CI and GI piping systems because it is lightweight, economical, non-corrosive and UV stabilised, which makes it highly durable. It offers extreme climate resistance and a smooth inner surface to prevent clogging.

Our stringent quality assurance approach across all stages of manufacturing gives the product a high-degree of reliability making Shakti PVC SWR pipes a preferred choice of leading MEP consultants, architects, builders, plumbing contractors, plumbers, and quality-conscious people across the country. SWR pipes are available in various sizes ranging from 40 mm to 160 mm. These pipes are manufactured as per IS 13592 and are offered with Integrated Ring fit and Sel fit socket systems. SWR pipes are offered in two primary types; type A for rainwater and vents, and type B for soil and waste discharge. Fittings are available in various sizes from 40 mm to 160 mm in Sel fit and integrated ring type sockets. Fittings are manufactured as per IS 14735.

### SWR FITTINGS WITH INTEGRATED RINGS

Shakti SWR pipes are specially designed and manufactured using high grade raw materials and are an ideal solution for efficient removal of waste without leakage in the drainage system. SWR pipes and fittings are used for non-pressure plumbing applications such as transportation of soil, waste and rainwater, non-pressure industrial drainage applications, and waste discharge systems in residential and commercial complexes, resorts, and hospitals. SWR pipes are offered in two primary types; type A for rainwater and vents and type B for soil and waste discharge. Shakti SWR pipes support easy installation as the Integrated Ring pre-fitted in the groove of the socket remains permanently positioned. The joint is made simply by pushing the spigot end into the socket end, without the use of any Solvent Cement. Shakti lubricant should be used for easy insertion. The ring forms a leak proof joint and absorbs the linear expansion and contraction, keeping the seal intact.



### DIMENSION TYPE A

Nominal Diameter (DN)		Mean Outside Diameter of Pipe (mm)		Inside diameter at Socket 'D1' (mm)		Inside diameter of Beading 'D2' (mm)		Wall Thickness 'S' (mm)		Std. Pipe Length
mm	inch	Min	Max.	Min	Max.	Min	Max.	Min.	Max	meter
75	2.5"	75.0	75.3	75.3	76.4	84.5	85.5	1.8	2.2	3
75	2.5"	75.0	75.3	75.3	76.4	84.5	85.5	1.8	2.2	3.66
75	2.5"	75.0	75.3	75.3	76.4	84.5	85.5	1.8	2.2	6
90	3"	90.0	90.3	90.3	91.4	99.5	100.5	1.9	2.3	3
90	3"	90.0	90.3	90.3	91.4	99.5	100.5	1.9	2.3	3.66
90	3"	90.0	90.3	90.3	91.4	99.5	100.5	1.9	2.3	6
110	4"	110.0	110.4	110.4	111.6	120.3	121.3	2.2	2.7	3
110	4"	110.0	110.4	110.4	111.6	120.3	121.3	2.2	2.7	3.66
110	4"	110.0	110.4	110.4	111.6	120.3	121.3	2.2	2.7	6
160	6"	160.0	160.5	160.5	161.5	173.8	175.0	3.2	3.8	3
160	6"	160.0	160.5	160.5	161.5	173.8	175.0	3.2	3.8	6



### Dimension

### DIMENSION TYPE B

Nominal Diameter (DN)		Mean Outside Diameter of Pipe (mm)		Inside diameter at Socket 'D1' (mm)		Inside diameter of Beading 'D2' (mm)		Wall Thickness 'S' (mm)		Std. Pipe Length
75	2.5"	75.0	75.3	75.3	76.4	84.5	85.5	3.2	3.8	3
75	2.5"	75.0	75.3	75.3	76.4	84.5	85.5	3.2	3.8	3.66
75	2.5"	75.0	75.3	75.3	76.4	84.5	85.5	3.2	3.8	6
90	3"	90.0	90.3	90.3	91.4	99.5	100.5	3.2	3.8	3
90	3"	90.0	90.3	90.3	91.4	99.5	100.5	3.2	3.8	3.66
90	3"	90.0	90.3	90.3	91.4	99.5	100.5	3.2	3.8	6
110	4"	110.0	110.4	110.4	111.6	120.3	121.3	3.2	3.8	3
110	4"	110.0	110.4	110.4	111.6	120.3	121.3	3.2	3.8	3.66
110	4"	110.0	110.4	110.4	111.6	120.3	121.3	3.2	3.8	6
160	6"	160.0	160.5	160.5	161.5	173.8	175.0	4.0	4.6	3
160	6"	160.0	160.5	160.5	161.5	173.8	175.0	4.0	4.6	6

### CUT LENGTHS IN SWR PIPES WITH INTEGRATED RINGS

### DIMENSION TYPE A

Nominal Diameter (DN)		Material Code		Std. Length
MM	INCH	S/S	D/S	FEET
75	2½"	-	7030	2
75	2½"	-	7031	3
75	2½"	-	7032	4
75	2½"	7024	7033	6
75	2½"	7025	-	9
75	2½"	-	7034	10
75	2½"	-	7035	20
90	3"	-	7036	2
90	3"	-	7037	3
90	3"	-	7038	4
90	3"	7026	7039	6
90	3"	-	7040	10
90	3"	-	7041	20
110	4"	-	7042	2
110	4"	-	7043	3
110	4"	-	7044	4
110	4"	7027	7045	6
110	4"	7028	-	9
110	4"	-	7046	10
110	4"	-	7047	20
160	6"	-	7048	2
160	6"	-	7049	3
160	6"	-	7050	4
160	6"	7029	7051	6
160	6"	-	7052	10
160	6"	-	7053	20

S/S - Single Socket

D/S - Double Socket

### DIMENSION TYPE B

Nominal Diameter (DN)		Material Code		Std. Length
MM	INCH	S/S	D/S	FEET
75	2½"	7054	-	1.5
75	2½"	-	7064	2
75	2½"	7055	7065	3
75	2½"	-	7066	4
75	2½"	7056	7067	6
75	2½"	-	7068	10
75	2½"	-	7069	20
90	3"	-	7070	2
90	3"	-	7071	3
90	3"	-	7072	4
90	3"	7057	7073	6
90	3"	-	7074	10
90	3"	-	7075	20
110	4"	7058	-	1.5
110	4"	-	7076	2
110	4"	7059	7077	3
110	4"	-	7078	4
110	4"	7060	7079	6
110	4"	7061	-	9
110	4"	-	7080	10
110	4"	-	7081	20
160	6"	-	7082	2
160	6"	7062	7083	3
160	6"	-	7084	4
160	6"	7063	7085	6
160	6"	-	7086	10
160	6"	-	7087	20





**SWR SELFIT PVC PIPES**

Shakti SWR pipes are specially designed and manufactured using high grade raw materials and are an ideal solution for efficient removal of waste without leakage in the drainage system. SWR pipes and fittings are used for non-pressure plumbing applications such as transportation of soil, waste and rainwater, non-pressure industrial drainage applications, and waste discharge systems in residential and commercial complexes, resorts, and hospitals. SWR pipes are offered in two primary types; type A for rainwater and vents and type B for soil and waste discharge. Shakti Selfit SWR pipes are manufactured in such a way that one end of the pipe is plain, while the other is self-socketed and facilitates ease in jointing by the use of Finolex Solvent Cement and they formed a permanent water tight joint which is durable.



**DIMENSIONS TYPE A**

Nominal Diameter (DN)		Mean Outside Diameter of Pipe (mm)		Inside diameter at Socket midpoint 'D1' (mm)		Socket Depth 'C' (mm)	Wall Thickness 'S' (mm)		Std. Pipe Length
Mm	Inch	Min	Max.	Min	Max.	Min	Min.	Max	Meter
75	2.5"	75.0	75.3	75.1	75.3	40	1.8	2.2	3
75	2.5"	75.0	75.3	75.1	75.3	40	1.8	2.2	6
90	3"	90.0	90.3	90.1	90.3	46	1.9	2.3	3
90	3"	90.0	90.3	90.1	90.3	46	1.9	2.3	3.66
90	3"	90.0	90.3	90.1	90.3	46	1.9	2.3	6
110	4"	110.0	110.4	110.1	110.4	48	2.2	2.7	3
110	4"	110.0	110.4	110.1	110.4	48	2.2	2.7	3.66
110	4"	110.0	110.4	110.1	110.4	48	2.2	2.7	5
110	4"	110.0	110.4	110.1	110.4	48	2.2	2.7	6
160	6"	160.0	160.5	160.2	160.5	58	3.2	3.8	3
160	6"	160.0	160.5	160.2	160.5	58	3.2	3.8	6

**DIMENSIONS TYPE B**

Nominal Diameter (DN)		Mean Outside Diameter of Pipe (mm)		Inside diameter at Socket midpoint 'D1' (mm)		Socket Depth 'C' (mm)	Wall Thickness 'S' (mm)		Std. Pipe Length
Mm	Inch	Min.	Max.	Min.	Max.	Min.	Min.	Max	
40	1.1/4"	40.0	40.3	40.1	40.3	26	3.2	3.8	3
75	2.5"	75.0	75.3	75.1	75.3	40	3.2	3.8	3
75	2.5"	75.0	75.3	90.1	90.3	40	3.2	3.8	6
90	3"	90.0	90.3	90.1	90.3	46	3.2	3.8	3
90	3"	90.0	90.3	110.1	110.4	46	3.2	3.8	6
110	4"	110.0	110.4	110.1	110.4	48	3.2	3.8	3
110	4"	110.0	110.4	110.1	110.4	48	3.2	3.8	3.66
110	4"	110.0	110.4	110.1	110.4	48	3.2	3.8	5
110	4"	110.0	110.4	110.1	110.4	48	3.2	3.8	6
160	6"	160.0	160.5	160.2	160.5	58	4.0	4.6	3
160	6"	160.0	160.5	160.2	160.5	58	4.0	4.6	6



Dimension

**CUT LENGTHS IN SWR SELFIT PIPES**

**DIMENSIONS TYPE A**

Nominal Diameter (DN)		Material Code		Std. Length
Mm	Inch	S/S	D/S	Feet
75	2½"	7110	7126	2
75	2½"	7111	7127	3
75	2½"	7112	7128	4
75	2½"	7113	7129	6
75	2½"	-	7130	10
90	3"	7114	7131	2
90	3"	7115	7132	3
90	3"	7116	7133	4
90	3"	7117	7134	6
90	3"	-	7135	10
90	3"	7136	-	20
110	4"	7118	7137	2
110	4"	7119	7138	3
110	4"	7120	7139	4
110	4"	7121	-	6
110	4"	-	7140	10
110	4"	-	7141	20
160	6"	7122	7142	2
160	6"	7123	7143	3
160	6"	7124	7144	4
160	6"	7125	7145	6
160	6"	-	7146	10

S/S :- Single Socket      D/S:- Double Socket

**DIMENSIONS TYPE B**

Nominal Diameter (DN)		Material Code		Std. Length
Mm	Inch	S/S	D/S	Feet
75	2½"	-	7159	2
75	2½"	-	7160	3
75	2½"	-	7161	4
75	2½"	7147	7162	6
75	2½"	-	7163	10
75	2½"	-	7164	20
90	3"	7148	7165	2
90	3"	7149	7166	3
90	3"	7150	7167	4
90	3"	7151	-	6
90	3"	-	7168	10
90	3"	-	7169	20
110	4"	7152	7170	2
110	4"	7153	7171	3
110	4"	7154	7172	4
110	4"	7155	7173	6
110	4"	-	7174	10
110	4"	-	7175	20
160	6"	-	7176	2
160	6"	7156	7177	3
160	6"	7157	7178	4
160	6"	7158	7179	6
160	6"	-	7180	10
160	6"	-	7181	20

