

SIMBA HDPE

Water pipes & fittings



SIMBA HDPE is made of High Density Polyethylene (HDPE) plastic material for the manufacture of High Pressure Pipes and is renowned worldwide for its reliability. The characteristics that make it outstanding are its toughness, its resistance to chemical attack and its immunity to weather conditions.

SIMBA HDPE High Pressure Pipes are

manufactured and conform to International Standards DIN 8074 and Uganda Standards US ISO 4427-2 specifications. The dimensions are based on ISO/R-161-1960.

Simba Pipes are available in 20mm to 250mm diameter and Pressure Rating PN 6, PN 10, PN 16 and PN 20 with complete range of fittings.

SIMBA HDPE pipes (PE 100) Conforming to DIN 8074/8075 : 1999 & ISO 4427: 1996 (E)

SDR -->	26	17	11	9
Pressure Rating	PN 6.3	PN 10	PN 16	PN 20
Size (mm) Outer Diameter	Wall Thickness (mm)	Wall Thickness (mm)	Wall Thickness (mm)	Wall Thickness (mm)
20	1.80*	1.90*	1.90	2.30
25	1.80*	1.80	2.30	2.80
32	1.90*	1.90	2.90	3.60
40	1.80	2.40	3.70	4.50
50	2.00	3.00	4.60	5.60
63	2.50	3.80	5.80	7.10
75	2.90	4.50	6.80	8.40
90	3.50	5.40	8.20	10.10
110	4.20	6.60	10.00	12.30
125	4.80	7.40	11.40	14.00
140	5.40	8.30	12.70	15.70
160	6.20	9.50	14.60	17.90
180	6.90	10.70	16.40	20.10
200	7.70	11.90	18.20	22.40
225	8.60	13.40	20.50	25.20
250	9.60	14.80	22.70	27.90

* Wall thickness as per DIN 8074/8075:1987



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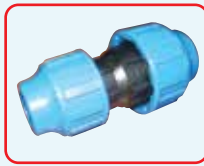
HOTLINE: 0752 914 900



Compression fittings for **SIMBA HDPE** water pipes



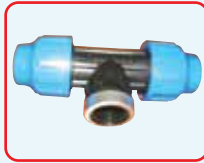
Coupling[Union]



Reducing Coupling



90 Tee



90 Female Tee



90 Female Elbow



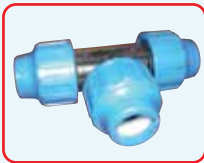
90 Male Elbow



End Cap



90° Elbow



90° Reducing Tee



Male Adapter



Flange Adapter



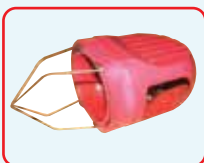
Female Adapter



Clamp Saddle



Reducer Bush



Chamfer Tool



Wrench

The Compression Fitting is the easiest way of joining HDPE pipes. The gripping and sealing functions act only on the outer diameter of the pipe; therefore only one type of fitting is required for all pressure ratings.

The function of the Compression Fitting is clear and simple. The O - Ring seals well even when pressure is nil, because it is compressed onto the pipe. As the water pressure and pipe tension increase, the sealing and grip rings are compressed further into the conical chamber, thus increasing the sealing and gripping effect.

Installation as simple as A B C....



A
Chamfer the pipe.
Separate the parts of the fitting and mount them as shown.



B
Twist the pipe into the body of the fitting until it meets the interior step of the fitting body.



C
Screw the nut tightly towards the body of the fitting.

* Note: ALL HDPE PIPE FITTINGS ARE RATED PN16.

MULTIPLE INDUSTRIES LTD.

QUALITY IN BUILDING MATERIALS SINCE 1991



SIMBA_{PVC} CONDUIT PIPES

Multiple Industries offers the highest quality PVC Conduits, from 20 mm to 50mm in size.



Available conduit sizes **Light, Medium & Heavy Gauge**

				
50mm	38mm	32mm	25mm	20mm

Rigid, non conducting PVC conduit is immune to almost all types of corrosives such as chemical, biological, or electrochemical encountered in either or above ground systems.



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Reg. No. HO-8005410

www.multipleindustries.com

SIMBA_{uPVC}

Pressure Pipes & fittings



PRESSURE PIPES FOR WATER DISTRIBUTION

SIMBA uPVC pressure pipe is made of unplasticised polyvinyl chloride. It is the established material for the potable water & industrial fluid handling.

Its inherently smooth walls provide superior flow characteristic, reducing long-term operating costs. Each twenty feet length (6mtrs) of pipe can be supplied with one plain ended and intergral solvent weld socket joint (CSJ) or intergral rubber ring seal joint (RRJ).

The rubber ring creates an easy-to-install push-on joint that automatically accomodates thermal expansion and contractions. Our integral-bell joint meets the same pressure capacity requirements as the uPVC pipe itself.

SIMBA uPVC manufactured in metric sizes from 110mm to 400mm with pressure ratings PN6, PN10, PN16 & PN 20 Bar conforming to International Standard ISO 1452-2. The equivalent Ugandan Standard US ISO 1452-2 Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure



DIMENSIONS AND RANGE OF UPVC PRESSURE PIPES AS PER US ISO 1452-2

Size	Wall Thickness (mm)			
OUTSIDE DIAMETER (OD) (mm)	PN 6	PN10	PN16	PN 20
110	2.7	4.2	6.6	8.1
160	4.0	6.2	9.5	11.8
200	4.9	7.7	11.9	14.7
225	5.5	8.6	13.4	16.6
250	6.2	9.6	14.8	18.4
280	6.9	10.7	16.6	20.6
315	7.7	12.1	18.7	23.2
355	8.7	13.6	21.1	26.1
400	9.8	15.3	23.7	29.4



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SIMBA_{PVC} DRAINAGE PIPES



SIMBA uPVC drainage pipe is a strong pipe, which will last forever in your sewer system. Our pipe is flexible enough to eliminate shear or beam failure. In effect, the pipe and the earth around it join forces to make the pipe/soil system one of the strongest in the industry.

No other sewer pipe outperforms our sewer pipe at keeping sewage in and ground water pollution in no longer a concern.

Common sewer gases and corrosive have no effect. Smooth non-wetting interior walls make our pipe highly resistant to abrasion from waste or slurries. They come with a full range of drainage fittings like: Bends, Elbows, Tees, Reducers, Branch saddles, Traps, Access plugs, Sockets, Couplers, Single and Double Y.



SIMBA_{PVC} CONDUIT PIPES

Multiple Industries offers the highest quality PVC Conduits, from 200mm to 50mm in size.



Available conduit sizes

				
50mm	38mm	32mm	25mm	20mm

Rigid, non conducting PVC conduit is immune to almost all types of corrosives such as chemical, biological, or electrochemical encountered in either or above ground systems.