

GRAVITY PIPE COUPLING



ANABEEB GRP Gravity Pipe

ANABEEB GRP Gravity pipes have many industrial applications and it can be used in sewers and hydropower lines and it is manufactured by Centrifugally Cast process in accordance with EN 14364. Anabeeb GRP gravity pipes are made of glass fibre reinforced plastic (GRP) with polyester resin and chopped glass fiber. Resin creates bond between the materials. Inner surface is of pure resin and it is as smooth as glass for good flow and less maintenance. High quality resins gives excellent chemical resistance and a service life of more than sixty years. ANABEEB GRP is producing Centrifugally Cast GRP pipes since 1996. Different applications and advantages of the material is mentioned below.

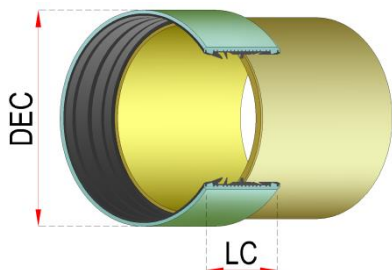
Applications :

- ◆ Sewer Systems
- ◆ Potable Water
- ◆ Raw Water and Irrigation
- ◆ Drainage
- ◆ Industrial Applications
- ◆ Shaft and Manholes
- ◆ Hydro Power
- ◆ No Dig/ Trenchless Applications like Relining and Jacking Pipes.

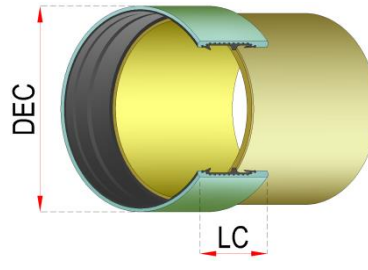
Advantages:

ANABEEB GRP pipe Systems distinguish themselves by a number of highly advantageous product qualities.

- 1. ANABEEB GRP pipes are OD controlled which gives the below benefits.**
 - ◆ Smooth outer surface.
 - ◆ Easy Installation at site.
 - ◆ Fit for various installation methods (Trench, Trenchless, relining) applications.
 - ◆ It can be cut at any place at site which avoids calibration of pipe ends for the fixing of coupler therein short pipes doesn't need to be taken back to factory for calibration and leads to saving in time & money.
- 2. Outer Layer of Ultra Violet Resistant**
 - ◆ High UV Protection outer layer with thickness of Resin & Silica sand helps to store pipes for longer period even in direct sun to avoid outer surface from any damage in case if the installation is delayed.
- 3. High Corrosive Resistant Inner Layer with pure Vinylester Resin of 1.5mm thickness.**
 - ◆ This gives the inner layer protection from any acids contents in liquid/sludge.
 - ◆ Smooth inner surface gives smooth flow to the liquid and doesn't allow any bacteria or sludge to stuck on the inner surface of the pipe which leads to reduce the maintenance cost of cleaning.
- 4. FWC Coupler with Full Faced EPDM rubber profile and lip formation (DBC).**
 - ◆ Which provides high leak tightness and helps in angular deflection
 - ◆ With the help of middle stopper it can protect the edges of the pipes not to collide with each other. GRP coupler acts as a gasket from outside and as a seal from inside between two pipes.
- 5. Highly compacted pipes due to the high speed rotation of the centrifugal casting process which results in the production of pipe with no air voids and overlapping.**
- 6. ANABEEB GRP pipes are tested 4 times of the nominal pressure which means if the nominal pressure is 6 bar our testing procedure for the acceptance criteria will be conducted on 24 bars. It allows pipe with better mechanical properties to withstand the pressure during peak times/holidays.**
- 7. ANABEEB GRP pipes standard length is 6 meters. It reduces the installation time and manpower as well**



FW SYMMETRIC COUPLING 1



FW A-SYMMETRIC COUPLING 1

ANABEEB GRP Pipes are generally delivered with a pre-mounted coupling. The standard pipe joint is the FW Coupling (FWC), consisting of a GRP sleeve with a permanently fitted, full width EPDM gasket seal (NBR on request). FW Couplings are available for all nominal pressure ratings. The DC Coupling is used for smaller diameters. It consists of a GRP sleeve with EPDM sealing rings.

FW Coupling							
DN	de [mm]	LC [mm]	DEC min [mm]	DN	de [mm]	LC [mm]	DEC min [mm]
200	220	173	239	900	924	230	944
250	272	173	291	1000	1026	230	1047
300	324	173	343	1200	1229	230	1252
350	376	173	394	1400	1434	230	1459
400	427	173	445	1535	1535	310	1563
450	478	173	496	1600	1638	310	1664
500	530	173	548	1800	1842	310	1870
600	616	173	635	2000	2047	310	2075
700	718	230	736	2200*	2250	290	2295
800	820	230	841	2400*	2453	290	2495

*Available on Request

