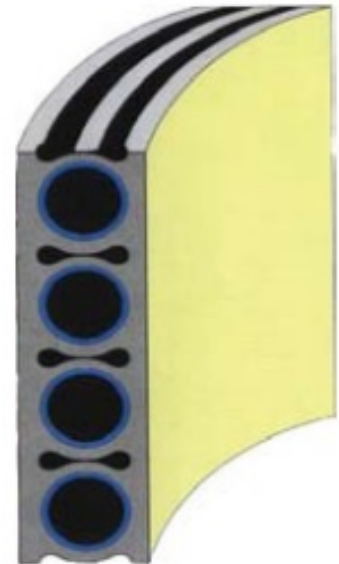


# RISER | مشخصات جداره رایزر WALL CONSTRUCTION



مشخصات جداره رایزر | RISER WALL CONSTRUCTION

KianSanat Pasargad [manufactures manhole](#) risers using a spiral winding process. In spiral winding, a flat polyethylene extrudate is wound over a rotating mandrel. A small corrugated tube is wound over first layer of extrudate to enhance stiffness of pipes. Smooth outer surface is achieved by winding a flat extrudate over stiffener tubes. Additional layers are used to increase the riser's wall thickness & stiffness. Spiral winding is an ID-controlled process. The inside diameter remains fixed regardless of the wall thickness, whereas in conventionally extruded pipe the OD is controlled and increasing the wall thickness reduces the inside diameter. When designing a [manhole](#), it is important to recognize that spirally wound [manhole risers](#) are ID sized. Closed profiled structure gives riser wall very high resistance to circumferential forces such

as ring stiffness. Special construction of riser wall also resists longitudinal crushing or buckling of the riser wall. The hollow stiff core is joined wall to wall and two wall layers are supporting core from both sides to provide resistance to crushing or buckling.

[Manholes risers](#) are classified based on ring stiffness such as 2 KN/sq.m., 4 KN/sq.m., 6 KN/sq.m., 8 KN/sq.m., etc. The ring stiffness is tested according to ISO 9969