
**Top Pourring Ladle**

The melting transport ladles designed by this company come in three types: top-riser, T-pat, and bottom-riser stopper. They are manufactured in various capacities and are used in all steel and cast iron foundries.

The ladle shafts are made of CK-45 or MO 40 steel, ensuring the necessary strength and safety during molten metal transport.

The use of locking gearboxes prevents the rotation of the ladle during molten metal discharge, allowing the operator to keep the ladle in any desired position (for T-pat and top-riser ladles).

One of the most important challenges in manufacturing these ladles is finding their center of gravity. To determine this point, various factors need to be considered, including the density of the molten metal. For refractory lining, refractory bricks or a combination of cast refractory masses can be used. The refractory lining thickness of the side walls and the bottom of the ladle varies for different capacities.

By installing a heating system on the ladles, operators have the possibility to preheat the refractory lining to the required temperature before use.

All ladles manufactured by the technical and engineering company "Padideh Foolad Aras" are designed using up-to-date engineering software and appropriate materials. They undergo initial material tests, including UT (Ultrasonic Testing), and the welding process is controlled through rigorous inspections, including UT and VT (Visual Testing). This ensures a higher level of reliability for customers.