

PADIDEH
FOULAD ARAS

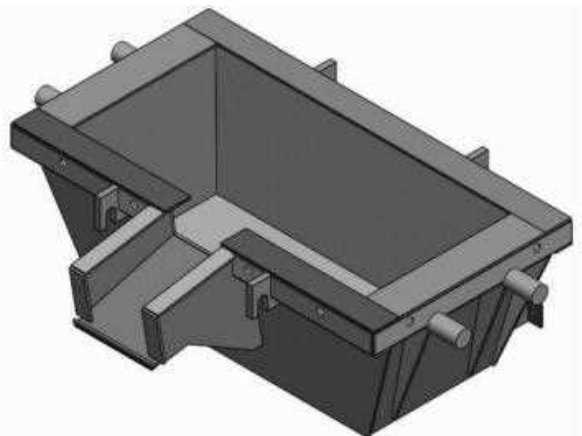


Tundish

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The tundish is used to direct molten metal into the mold and to distribute the melt among the predetermined number of strands (branches). Located at the bottom section of the tundish is the tundish nozzle. The casting speed in a continuous casting machine is determined by the internal diameter of the tundish nozzle and the melt level.

The melt height in tundishes is typically maintained between 200 to 400 millimeters. The volume of molten metal inside the tundish is regulated to ensure that the casting process proceeds continuously.



Tundish Car

The tundish is positioned on a mobile platform known as the tundish car. This car enables longitudinal and transverse movement of the tundish, allowing the operator to precisely adjust the location of the melt outlet from the tundish nozzle and efficiently transfer the molten metal into the mold.

Movement of the car along its designated rails facilitates accurate tundish positioning and enables rapid tundish replacement within a very short timeframe.

