

(PREVIEW)

Indian Standard
SPECIFICATION FOR
SINGLE FACED SLUICE GATES
(200 to 1200 mm Size)

1. SCOPE

1.1 This specification covers single faced sluices from 200 to 1200 mm sizes of different shapes with rising (sliding) and non-rising (rotating) spindles.

1.2 The specification is limited to sluices which are suitable for general use only and for the following types of special uses:

- a) For wall mounting & situations where small and medium volumes of raw or filtered water, storm water or sewage are to be controlled and a single faced seal is required on the waterway for Mating purposes;
- b) For water supply draw-off and purification works, sewage plants, ordinary land drainage and irrigation canals, hydro-electric collecting aqueducts and tailraces;
- c) For unbalanced head restricted to 15 m, tending to push the door on to the frame and thereby helping stanch leakage past the sealing face; and
- d) For manual operation by handwheel/tee-key/frame or floor mounting headstocks with or without gearing.

1.3 The designs given in the standard may be adopted to electric, hydraulic or pneumatic power operation to suit specific duty provided operating conditions are within the stated limitations and are not at variance with those already specified.

1.4 The standard does not lay down requirements for actuating gear which is left to the mutual agreement between and manufacturer.

1.5 This standard does not cover the types of sluices where the operating force tend to push the door away from the frame.