

Indian Standard

CAST IRON, SPHEROIDAL/NODULAR CAST IRON AND CAST STEEL SCREW-DOWN STOP VALVES AND STOP AND CHECK VALVES FOR MARINE APPLICATIONS — SPECIFICATION

1 SCOPE

This standard specifies requirements for flanged cast iron, spheroidal/nodular cast iron and cast steel screw-down stop valves from 15 to 400 mm nominal sizes of the following types used for water, air and oil and steam up to 120°C:

- a) Globe stop valve known as screw down screw lift valve (SDSL valve);
- b) Angle stop valve known as screw down screw lift valve (SDSL RA valve);
- c) Globe stop and check valve known as screw down non return valve (SDNR valve); and
- d) Angle stop and check valve known as screw down non return valve (SDNR RA valve).

2 REFERENCES

The following standards contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
(Part 1): 2002	Hexagon head bolts (size range M 5 to M 64) (<i>fourth revision</i>)
(Part 3) : 2002	Hexagon nuts (size range M5 to M64) (<i>fourth revision</i>)
1865: 1991	Iron casting with spheroidal or nodular graphite (<i>third revision</i>)
2062: 2006	Hot rolled low, medium and high tensile structural steel (<i>sixth revision</i>)
3444: 1999	Corrosion resistant high alloy steel and nickel base castings for general applications — Specification (<i>third revision</i>)
4854 (Part 1) : 1969	Glossary of terms for valves and their parts: Part 1 Screw down stop check and gate valve and their parts
5414: 1995	Gaskets and packing — Gland packing jute and hemp — Specification (<i>first revision</i>)
6392 : 1971	Steel pipe flanges
6603 : 2001	Stainless steel bars and flats — Specification (<i>first revision</i>)
7008 (Part 3): 1988	ISO Metric trapezoidal screw threads : Part 3 Basic dimensions (<i>first revision</i>)
210: 1993	Grey iron castings — Specification (<i>fourth revision</i>)
318: 1981	Specification for leaded tin bronze ingots and castings (<i>second revision</i>)
319 : 2007	Free cutting leaded brass bars, rods and section — Specification (<i>fifth revision</i>)
320 : 1980	Specification for high tensile brass rods and sections (other than forging stock)
1030 : 1998	Carbon steel castings for general engineering purposes (<i>fifth revision</i>)
1363	Hexagon head bolts, screws and nuts of product grade 'C':