

# 'KESIN' Cast Iron Underground Fire Hydrant Sluice Valve Type

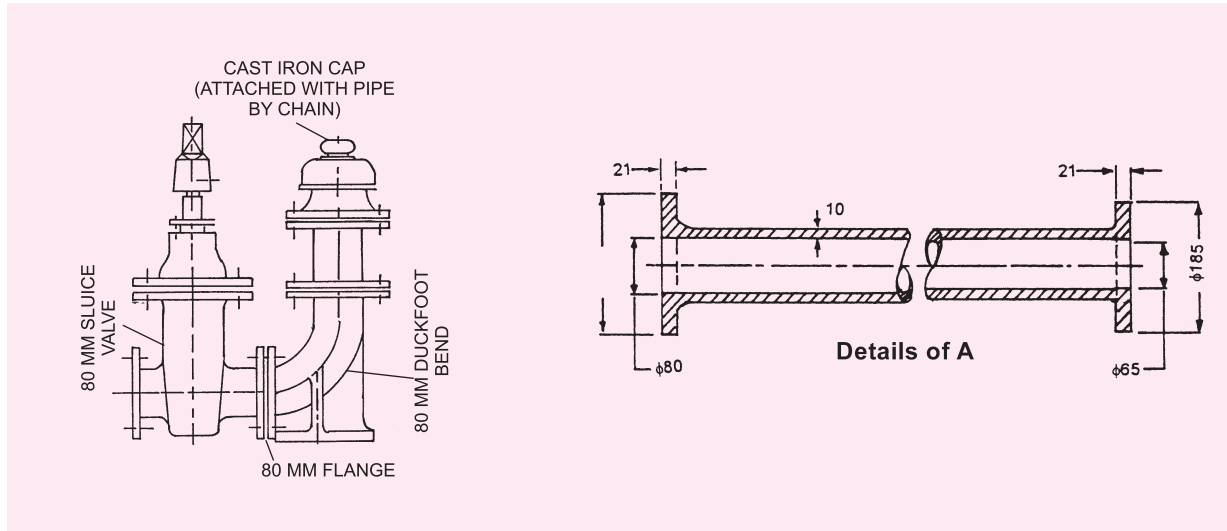


Fig. 1A

Underground Sluice Valve type Fire Hydrant are of two types as per figure 1A and 1B and consists of the following :

**1. As per figure 1A**

- a. One 80mm dia C.I. D/F Sluice Valve with cap confirming to IS-14846 PN-1.0.
- b. One road surface box of min 135 kg. weight.
- c. A dockfoot bend 80mm dia to IS - 1538/1993.
- d. A double flanged reducer 80 x 65mm as per IS - 1538/1993.
- e. An externally threaded outlet.
- f. An outlet cap placed on outlet by chain.

**2. As per figure 1B**

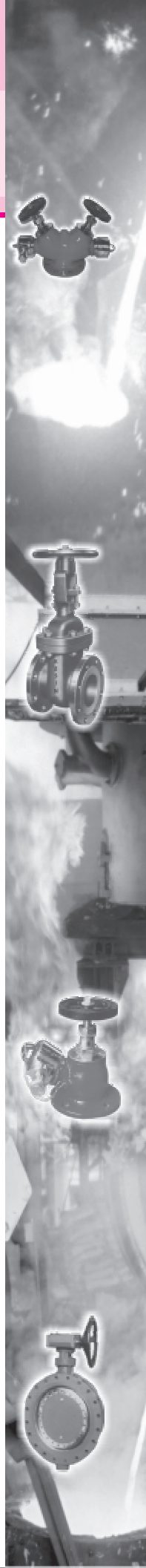
- a. An 80mm dia C. I. flanged Sluice Valve.
- b. An externally threaded outlet.
- c. An outlet cap placed on the outlet by chain.

## HYDROSTATIC TEST

- i. With the valve open, each hydrant shall prove perfectly water tight without any porosity at 21 kgf/cm<sup>2</sup>.
- ii. With the valve closed each hydrant shall withstand 14kgf/cm<sup>2</sup> without showing any sign of leakage through the valve and its seat.

## PAINTING

Complete fire hydrant set to be coated with fire red colour paint and Road surface box with yellow paint.





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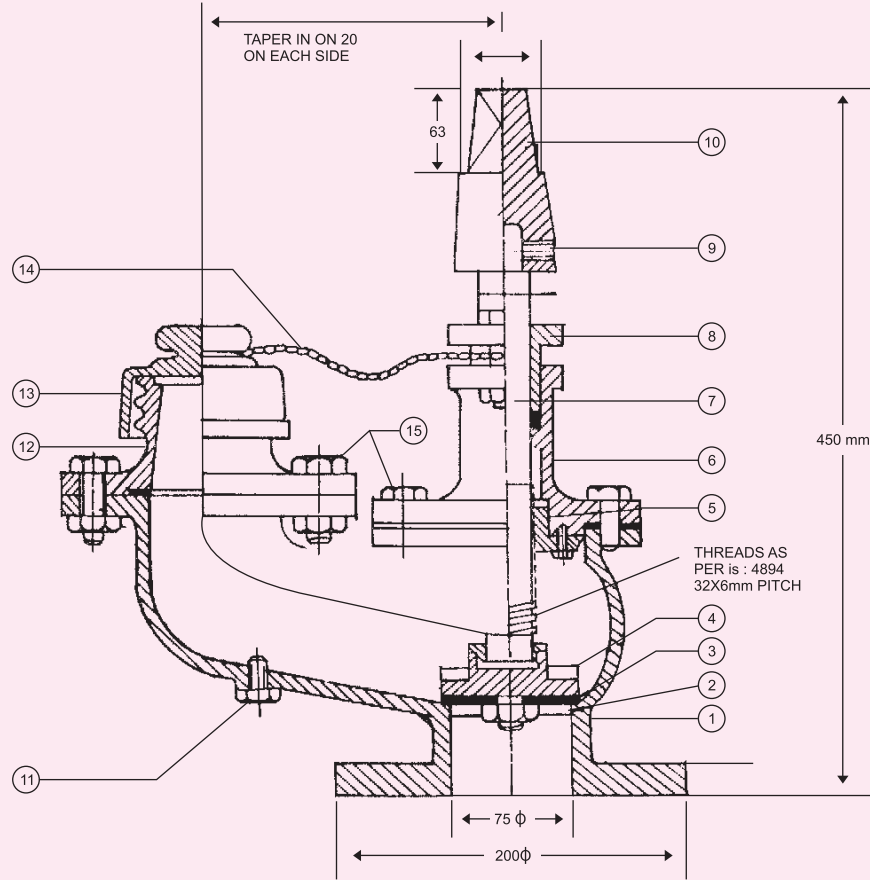


Fig. 1B

No.	Description	Material	Material Specification	No.	Description	Material	Material Specification
1.	Body	C.I.	IS: 210-1972 FG-200	9.	Grush Screw(12)	C.I.	IS: 6094-1981
2.	Valve Seat	G.M.	IS: 318-1981 LTB-2	10.	Spindle Cap	C.I.	IS: 210-1978 FG-200
3.	Washer	Rubber	IS: 937-1981	11.	Drain Bolt	M.S.	-
4.	Valve	G.M.	IS: 318-1981 LTB-2	12.	Outlet	G.M.	IS: 318-1981 LTB-2
5.	Spindle Nut	G.M.	IS: 318-1981 LTB-2	13.	Cap	C.I.	IS: 210-1978 FG-200
6.	Bonnet	C.I.	IS: 210-1978 FG-200	14.	Chain	G.I.	-
7.	Spindle	Brass	IS: 319-1989	15.	Nut and Bolt	M.S.	-
8.	Gland	C.I.	IS: 210-1978 FG-200				

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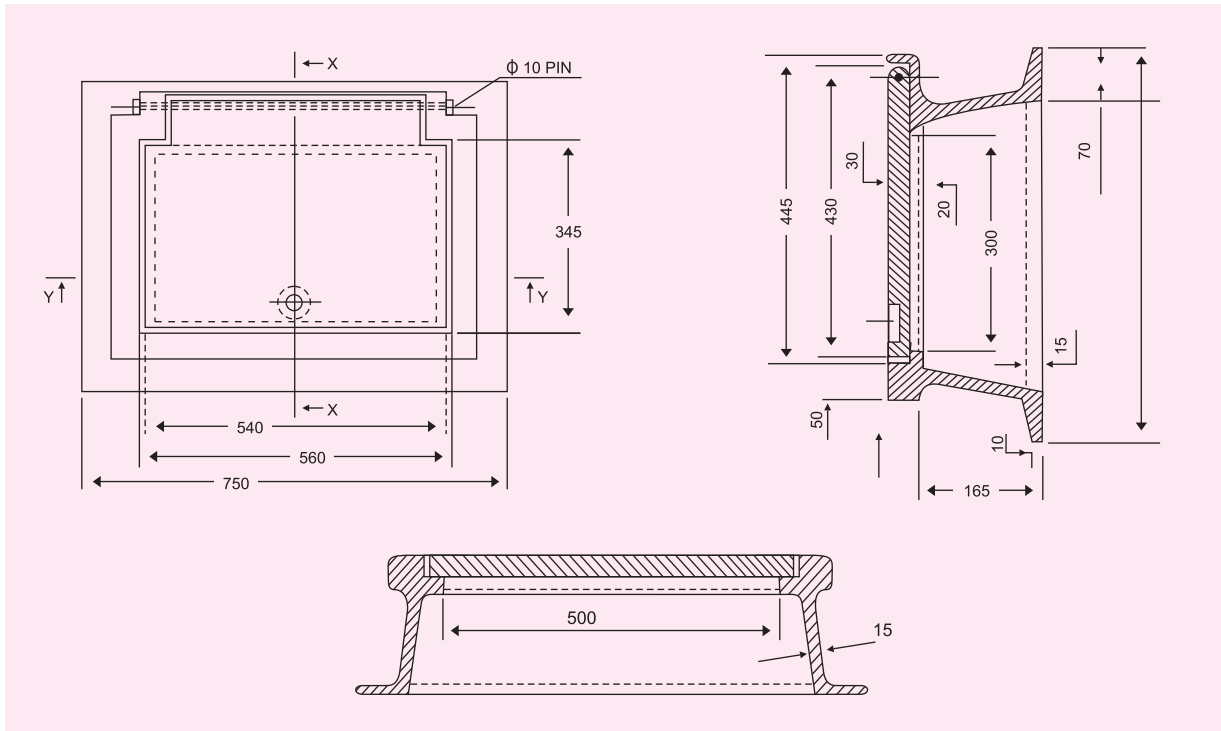


Fig. 2 : C. I. Road Surface Box

**NOTE :**

The tolerance in dimensions shall be +2mm for upto and including 15mm, ±2mm or 16mm above and upto and including 50mm, and ± 5mm for 51mm and above.

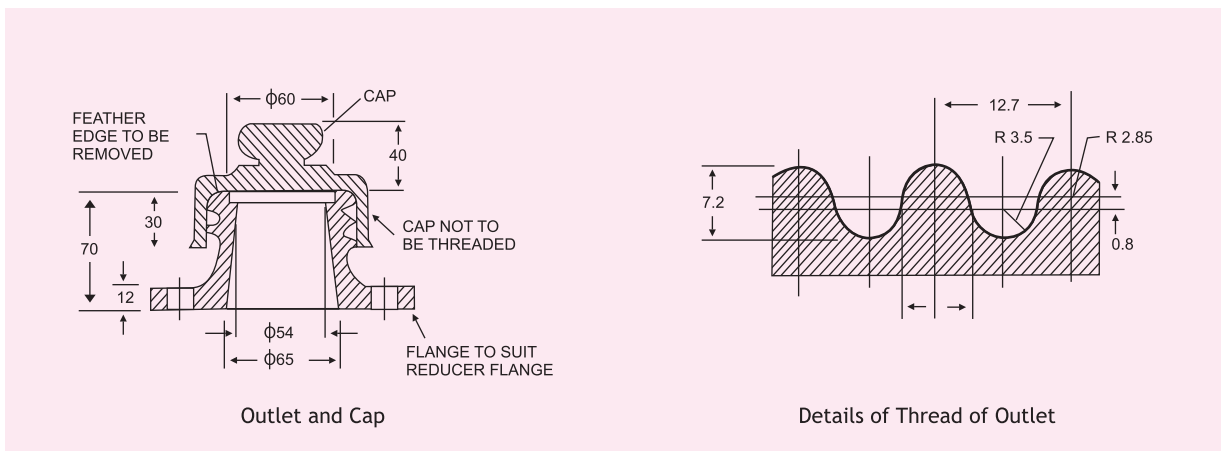


Fig. 3 : Screwed Outlet and Cap (Round Thread)

**NOTES :**

1. Crest diameter of thread  $82.2^{+0.0}_{-0.4}$ , Root diameter of thread 68.0 max.
2. Thickness of thread (t)  $5.7^{+0.0}_{-0.4}$

