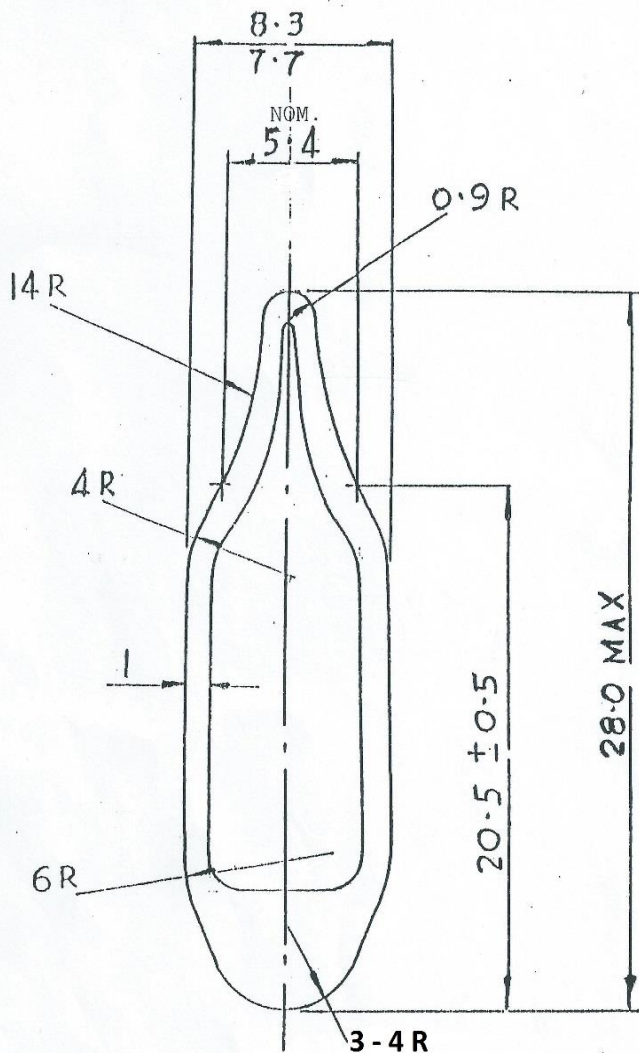


Drawing Not to Scale



Technical Data

- 1) The 817 frangible Sprinkler bulb is a 8mm diameter glass bulb, especially designed to meet the requirements for Standard Sprinkler Bulbs. It is manufactured from a stock 8mm tube of manufacturer's tolerance.
- 2) During operation the liquid within the bulb will expand until the required operational temperature is reached. At this point the glass bulb will 'burst' and fracture into small fragments, allowing the sprinkler mechanism to operate.
- 3) This bulb is designed to fulfil the requirements of the standards detailed in the table below.
- 4) Precise calibration of the bulbs during the production process enables accurate operating temperatures to be achieved.

Specification

Critical Dimensions (mm)	Seat Diameter	Base Diameter	Max Length	Seating Length		Body Diameter
	5.4	8.3 max	28	20.5 ± 0.5		8.0 Nominal
Compressive Strength/ Crush Load (kN)	Minimum			Average		
	3.0			> 3.60		
	Specific end user 'head loads' and the relevant Standard 'Load safety factors' should be taken into consideration.					
Nominal Temperature Range (°C)	Orange	Red	Yellow	Green	Blue	Mauve
	57	68	79	93	141	182
Response Data (Rti)	195 (metric), 351 (Imperial). Average Operating time 65 seconds					
Standards Applicable	Complies with BS EN 12259					



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Assessed to ISO 9001 Cert No. 291
LPCB Ref. No. 291

Title	Bulb Technical Criteria	No	DI 817-01
Changes/Issue History	Rev	Date	Bulb Art No
Updated Version to new style -No modification of any Bulb parameters	A	28/10/15	
Updating of LPCB mark	B	17/10/16	
Authorised			817
Date		17/10/2015	