



Product Description:

Density Basket is designed for determining the **specific gravity and water absorption of coarse aggregate** in accordance with **IS 2386 (Part III)**. It is used in aggregate testing, road construction, civil engineering and quality control laboratories. The basket is available in **G.I. and stainless-steel construction**, including an **ISI Marked S.S. version**, and a specialized **ASTM D6390 Drain Down Test Basket** for asphalt mixture testing.

Compliance Standards:

- IS 2386 (Part III) – Specific Gravity and Water Absorption of Aggregates
- ASTM D6390 – Determination of Draindown Characteristics in Asphalt Mixtures
- IRC SP:79-2008 – applicable to ASTM D6390 Drain Down Basket

Available Variants

1. Density Basket – G.I. – 20 × 20 cm

- Material: Galvanized Iron
- Size: 200 mm diameter × 200 mm height
- Mesh: Galvanized wire mesh
- Fitted with: Handle
- Application: Aggregate specific gravity and water absorption testing
- Standard: IS 2386 (Part III)
- Overall Dimensions: 210 × 210 × 210 mm
- Approx. Weight: 1.250 kg

2. Density Basket – S.S. – 20 × 20 cm

- Material: Stainless Steel
- Size: 200 mm diameter × 200 mm height
- Mesh: Stainless-steel wire mesh
- Mesh Size: Not more than 6.3 mm
- Fitted with: Handle and wire hangers
- Application: Aggregate specific gravity and water absorption testing
- Standard: IS 2386 (Part III)
- Overall Dimensions: 9 × 9.5 × 8.5 inches
- Approx. Weight: 0.640 kg

3. Density Basket – ISI Marked S.S. – 20 × 20 cm

- Material: Stainless Steel
- Size: 200 mm diameter × 200 mm height
- Mesh: Stainless-steel wire mesh
- Mesh Size: Not more than 6.3 mm
- Fitted with: Handle and wire hangers

Corporate Office:

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Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



- Application: Aggregate specific gravity and water absorption testing
- Compliance: IS 2386 (Part III)
- ISI Marked: Yes
- Overall Dimensions: 9 × 9.5 × 8.5 inches
- Approx. Weight: 0.640 kg

4. Density Basket as per ASTM D6390 – Drain Down Test

- Application: Determination of draindown potential of asphalt mixtures
- Suitable for: Porous Asphalt / Open-Graded Friction Course and Stone Matrix Asphalt (SMA)
- Standard: ASTM D6390 / IRC SP:79-2008
- Basket Material: Standard 6.3 mm sieve cloth as per ASTM E11
- Diameter: 108 ± 10.8 mm
- Height: 165 ± 16.5 mm
- Bottom Height: 25 ± 2.5 mm
- Design: Standard basket as specified in ASTM D6390, Fig. 1
- Purpose: Evaluation of draindown during asphalt mixture design and field production

Key Features

- Available in **G.I. and S.S. construction**
- **ISI Marked S.S. variant** available
- Standard **20 × 20 cm** basket for aggregate testing
- Robust wire mesh construction with handle
- Designed for laboratory specific gravity and water absorption testing
- ASTM D6390-compliant basket available for asphalt mixture drain-down testing

Optional Accessories – Aggregate Testing

Available at extra cost:

1. Hot Air Oven
2. Electronic Weighing Balance – 10 kg × 0.1 g or Buoyancy Balance
3. Water-Tight Container – 2 Nos.
4. Dry Absorbent Cloth – 75 × 45 cm – 2 Nos.
5. G.I. Tray – 300 × 300 × 25 mm
6. Airtight Container – 200 × 200 mm

Application: Aggregate Testing | Specific Gravity & Water Absorption | Asphalt Mixture Testing | Draindown Testing | Road Construction | Civil Engineering Laboratories

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