

Technical Specifications for Delineator Post

1. Delineator Post

Parameters	Description
Material	• Body: Rubber or PVC (Polyvinyl Chloride) or HDPE (High Density Polyethylene) or Other Suitable Durable Material • Base: Rubber or PVC (Polyvinyl Chloride) or HDPE (High Density Polyethylene) or Other Suitable Durable Material
Height	650 mm to 1500 mm
Weight	• 0.5 kgs to 2.5 kgs OR • 3 kgs to 5 kgs OR • 4 kgs to 6 kgs (One of the above mentioned options Depending on Type of Material)
Body Diameter	75 mm to 90 mm
Base Diameter	175 mm to 250 mm
Body Colour	Red or Orange
Reflective Sheet/Collar	• Yes, Minimum 2 × no.s • Retro-reflective type • White in Colour • 70 mm Width (minimum)



Figure 1 FOR EXAMPLE ONLY

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Technical Specifications for Flexible Median Marker



1. Flexible Median Marker

Parameters	Description
Material	• Body: Flexible Thermoplastic or Other Suitable Durable Material • Reflective Sheeting: Any Micro Prismatic Grade Sheeting conforming to <i>IRC 67:2022</i>
Height	180 mm (Minimum) conforming to <i>IRC 79:2019</i>
Width	120 mm (Minimum) conforming to <i>IRC 79:2019</i>
Body Thickness	6.5 mm (Minimum) conforming to <i>IRC 79:2019</i>
Shank Length	20 mm (Minimum) conforming to <i>IRC 79:2019</i>
Body Colour	Black or Other Suitable Dark Colour conforming to <i>IRC 79:2019</i>
Reflective Sheeting Colour	Florescent Yellow conforming to <i>IRC 79:2019</i>
Reflective Sheeting Area	90 cm ² (Minimum) conforming to <i>IRC 79:2019</i>



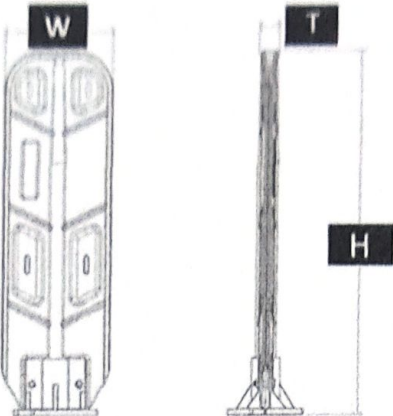
Figure 1 FOR EXAMPLE ONLY

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Technical Specifications for Anti-Glare Board/Screen

1. Anti-Glare Board/Screen

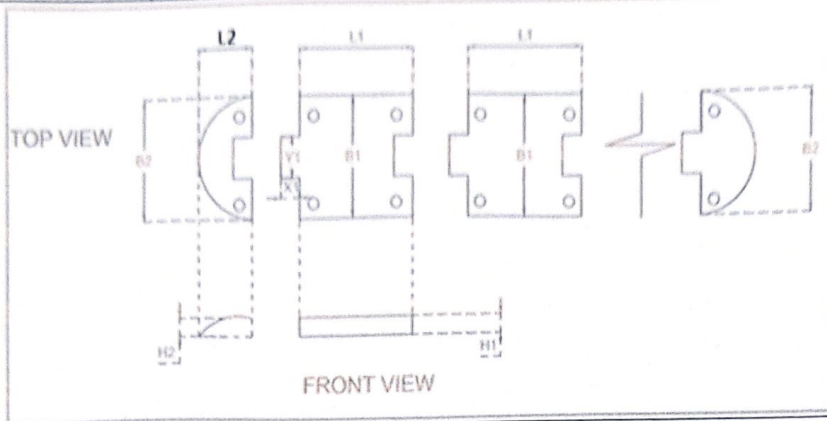
Parameters	Description
Body Material	Rubber or HDPE or Other Suitable Durable Material
	
Figure not to Scale (Only to Clarify Dimensions)	
Height (H)	500 mm to 1500 mm
Width (W)	150 mm to 350 mm
Thickness (T)	35 mm to 50 mm
Weight	0.5 kgs to 3.5 kgs
Colour	Preferably Green, or Other Suitable Colour

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Technical Specifications for Rubber Speed Bump

1. Rubber Speed Bump

Parameters	Description
Material	High Strength Rubber or Other Suitable Forms/Composites of Rubber
Modular	- Yes, having Middle Sections (Yellow/Orange and Black in Colour) and End Cap Sections (Yellow/Orange and Black in Colour). - Each Section should allow interlocking.
 TOP VIEW FRONT VIEW	
(Figure Not Scale, Only to Clarify Dimensions)	
Middle Section Dimensions	(L1: 400 mm to 1200 mm × B1: 200 mm to 600 mm × H1: 25 mm to 90 mm) [Refer to Drawing]
End Cap Section Dimensions	(L2: 150 mm to 600 mm × B2: 20 mm to 600 mm × H2: 25 mm to 90 mm) [Refer to Drawing]
Y1 and X1 Dimensions	Must be Suitable for Interlocking
Holes for Bolt/Screw	Yes, Mandatorily
Cat Eye Beads	Yes, Minimum 1 × no. in each Section (Middle and End Cap)
Surface Texture	Rough with patterns on Top Surface to create Friction for the Wheels of Vehicles passing over.
Screws/Bolts Included	Optional, but Highly Preferred

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Technical Specifications for Bidirectional Retro-reflective Road Studs with Shank

1. Red-White Bi-directional Retro-reflective Road Studs with Shank

Parameters	Description
Material	(Acrylic Styrene Acrylonitrile) or HIPS (Hi-impact Polystyrene) or Acrylonitrile Butadiene Styrene (ABS) or Other Suitable Materials (Not Metal)
Reflective Panel	Single/Dual Prismatic Cubes capable of providing Total Internal Reflection or Other Suitable Arrangement
Lens Material	Methyl Methacrylate conforming to <i>ASTM D 788</i> or Equivalent
Slope of Lens	$35^{\circ} \pm 5^{\circ}$
Compressive Strength	13,635 kgs (minimum) as per <i>Standard Specifications For Road And Bridge Works 2073 – DoR, MoPIT, GoN</i>
Dimensions	(70 to 150) mm × (70 to 150) mm × (10 to 20) mm (Length × Width × Height)
Shanks	Yes, 1 × no. minimum
Direction of Reflective Surface	Bi-directional
Lens Colour	Red-White Bi-directional
Body Colour	Red or White

2. Yellow-Yellow Bi-directional Retro-reflective Road Studs with Shank

Parameters	Description
Material	(Acrylic Styrene Acrylonitrile) or HIPS (Hi-impact Polystyrene) or Acrylonitrile Butadiene Styrene (ABS) or Other Suitable Materials (Not Metal)
Reflective Panel	Single/Dual Prismatic Cubes capable of providing Total Internal Reflection or Other Suitable Arrangement
Lens Material	Methyl Methacrylate conforming to <i>ASTM D 788</i> or Equivalent
Slope of Lens	$35^{\circ} \pm 5^{\circ}$
Compressive Strength	13,635 kgs (minimum) as per <i>Standard Specifications For Road And Bridge Works 2073 – DoR, MoPIT, GoN</i>
Dimensions	(70 to 150) mm × (70 to 150) mm × (10 to 20) mm (Length × Width × Height)
Shanks	Yes, 1 × no. minimum
Direction of Reflective Surface	Bi-directional
Lens Colour	Yellow-Yellow Bi-directional
Body Colour	Yellow or White

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3. White-White Bi-directional Retro-reflective Road Studs with Shank

Parameters	Description
Material	(Acrylic Styrene Acrylonitrile) or HIPS (Hi-impact Polystyrene) or Acrylonitrile Butadiene Styrene (ABS) or Other Suitable Materials (Not Metal)
Reflective Panel	Single/Dual Prismatic Cubes capable of providing Total Internal Reflection or Other Suitable Arrangement
Lens Material	Methyl Methacrylate conforming to ASTM D 788 or Equivalent
Slope of Lens	$35^{\circ} \pm 5^{\circ}$
Compressive Strength	13,635 kgs (minimum) as per <i>Standard Specifications For Road And Bridge Works 2073 - DoR, MoPIT, GoN</i>
Dimensions	(70 to 150) mm $\times$ (70 to 150) mm $\times$ (10 to 20) mm (Length $\times$ Width $\times$ Height)
Shanks	Yes, 1 $\times$ no. minimum
Direction of Reflective Surface	Bi-directional
Lens Colour	White-White Bi-directional
Body Colour	Red or White or Yellow

4. Red-Red Bi-directional Retro-reflective Road Studs with Shank

Parameters	Description
Material	(Acrylic Styrene Acrylonitrile) or HIPS (Hi-impact Polystyrene) or Acrylonitrile Butadiene Styrene (ABS) or Other Suitable Materials (Not Metal)
Reflective Panel	Single/Dual Prismatic Cubes capable of providing Total Internal Reflection or Other Suitable Arrangement
Lens Material	Methyl Methacrylate conforming to ASTM D 788 or Equivalent
Slope of Lens	$35^{\circ} \pm 5^{\circ}$
Compressive Strength	13,635 kgs (minimum) as per <i>Standard Specifications For Road And Bridge Works 2073 - DoR, MoPIT, GoN</i>
Dimensions	(70 to 150) mm $\times$ (70 to 150) mm $\times$ (10 to 20) mm (Length $\times$ Width $\times$ Height)
Shanks	Yes, 1 $\times$ no. minimum
Direction of Reflective Surface	Bi-directional
Lens Colour	Red-Red Bi-directional
Body Colour	Red or White

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