

## **SREX GRP MANHOLE COVERS – TECHNICAL OVERVIEW**



SREX GRP Manhole Covers are advanced composite solutions designed to meet the evolving demands of modern infrastructure. Manufactured using high-performance thermoset resin systems reinforced with glass fibers, these covers offer an optimal balance of strength, durability, and long-term reliability across a wide range of applications.

Unlike conventional metallic covers, SREX composite covers are corrosion-resistant, lightweight, and maintenance-free, making them an ideal choice for urban, industrial, and coastal environments.

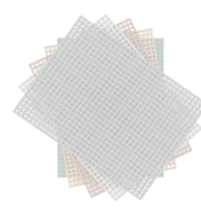
### **Material & Construction**

SREX manhole covers are produced using a controlled molding process combining:

- High-grade unsaturated polyester / vinyl ester resin systems
- Multi-layer glass fiber reinforcement (woven roving + mat)
- Precision-engineered structural ribbing for load distribution

This results in a homogeneous composite structure with excellent mechanical strength and dimensional stability.





## Load Bearing & Structural Integrity

All SREX covers are designed in accordance with **BS EN 124 load classifications**, ensuring suitability across different load conditions:

- Pedestrian areas and landscaping
- Residential and commercial zones
- Parking areas and service lanes
- Roads, highways, and heavy traffic zones

The internal structure is optimized to distribute loads uniformly, minimizing stress concentration and ensuring long service life even under dynamic loading conditions.

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## Key Technical Advantages

### 1. Corrosion & Chemical Resistance

SREX FRP covers are inherently resistant to:

- Sewage gases and aggressive chemicals
- Saline and coastal environments
- Moisture and underground conditions

This eliminates rusting, scaling, and degradation common in cast iron covers.

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### 2. High Strength-to-Weight Ratio

Despite being significantly lighter than traditional materials, SREX covers provide excellent load-bearing capacity, enabling:

- Easy manual handling and installation
  - Reduced transportation and installation costs
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### 3. Anti-Theft & Non-Scrap Value

Being non-metallic, SREX covers have no resale value as scrap, effectively eliminating theft issues commonly faced with cast iron covers.

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### 4. Impact & Fatigue Resistance

The composite structure absorbs shocks and repeated loading without cracking or permanent deformation, ensuring:

- Longer operational life
- Reduced risk of sudden failure



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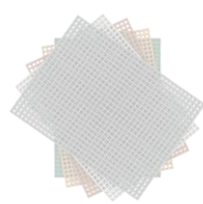
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## 5. Slip Resistance & Safety

Surface profiles are designed with anti-skid patterns to provide:

- Enhanced grip in wet conditions
  - Improved pedestrian and vehicular safety
- 

## 6. Electrical & Thermal Insulation

GRP materials are non-conductive, offering:

- Electrical safety in urban installations
  - Thermal insulation in exposed environments
- 

## 7. Weather & UV Stability

SREX covers are designed to perform under extreme environmental conditions:

- Resistant to UV exposure
  - Suitable for wide temperature variations
  - No warping or brittleness over time
- 

## 8. Customization & Aesthetics

Covers can be customized with:

- Company logos, utility markings, or client branding
  - Multiple color options for identification and urban design integration
- 

## Applications

SREX GRP Manhole Covers are suitable for:

- Municipal drainage and sewer systems
- Telecom and utility chambers
- Industrial plants and refineries
- Residential and commercial developments
- Airports, ports, and infrastructure projects



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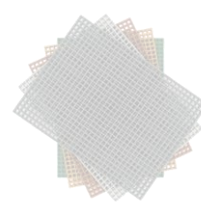
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## Quality Assurance

Each SREX manhole cover undergoes strict quality checks to ensure:

- Dimensional accuracy
- Load performance compliance
- Surface finish and structural integrity

Manufacturing processes are controlled to maintain consistent product quality aligned with relevant international standards.

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## Sustainability Advantage

SREX composite covers contribute to sustainable infrastructure by:

- Reducing dependency on metal resources
- Offering long service life with minimal maintenance
- Lowering lifecycle costs

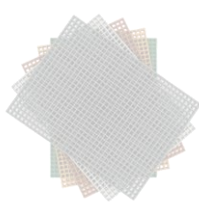


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## **WHY SREX – ENGINEERED ADVANTAGE**

Choosing SREX GRP Manhole Covers means choosing long-term performance, safety, and reliability over conventional solutions.

### **What Sets SREX Apart**

#### **✓ Engineered Strength**

Designed with optimized composite structures to deliver consistent load performance across all BS EN 124 classes.

#### **✓ Proven Durability**

Resistant to corrosion, chemicals, moisture, and environmental degradation, ensuring a longer service life even in aggressive conditions.

#### **✓ Lightweight Efficiency**

Significantly lighter than traditional materials, enabling easy handling, faster installation, and reduced logistics costs.

#### **✓ Theft-Free Solution**

Non-metallic composition eliminates scrap value, preventing theft and replacement costs.

#### **✓ Maintenance-Free Operation**

No rusting, no painting, and no periodic upkeep required.

#### **✓ Safety-Focused Design**

Anti-skid surface patterns and non-conductive properties enhance user safety in all environments.

#### **✓ Custom Engineering Capability**

Flexible manufacturing allows customization in size, color, load rating, and branding as per project requirements.



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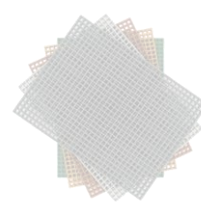
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## SREX vs TRADITIONAL MANHOLE COVERS

Sr. No.	Parameter	SREX GRP Covers	Cast Iron / RCC Covers
1	<b>Weight</b>	Lightweight, easy to handle	Heavy, requires equipment
2	<b>Corrosion Resistance</b>	Excellent, no rusting	Prone to rust and degradation
3	<b>Theft Risk</b>	Zero (no scrap value)	High (scrap resale value)
4	<b>Strength-to-Weight Ratio</b>	High	Moderate
5	<b>Maintenance</b>	No maintenance required	Regular maintenance needed
6	<b>Installation</b>	Quick and cost-effective	Time-consuming
7	<b>Chemical Resistance</b>	High resistance to sewage & chemicals	Limited resistance
8	<b>Safety</b>	Anti-skid, non-conductive	Slippery, conductive
9	<b>Service Life</b>	Long and consistent	Reduced due to corrosion and wear
10	<b>Aesthetics</b>	Customizable colors & branding	Limited design options
11	<b>Lifecycle Cost</b>	Low (long-term saving)	High (repair & replacement)

## EXPORT & GLOBAL SUPPLY CAPABILITY

### Delivering Indian Manufacturing Excellence Worldwide

SREX GRP Manhole Covers are manufactured with a focus on global standards, making them suitable for international infrastructure projects.

### Our Export Strength

#### ✓ International Standards Compliance

Products are designed in line with BS EN 124 load classifications, ensuring global acceptance.

#### ✓ Consistent Quality Assurance

Strict quality control at every stage ensures uniform performance across batches.

#### ✓ Wide Product Range

From light-duty pedestrian covers to heavy-duty highway-grade solutions, available in multiple shapes and sizes.

#### ✓ Custom Packaging & Documentation

Export-ready packaging, labeling, and documentation tailored to client and country requirements.

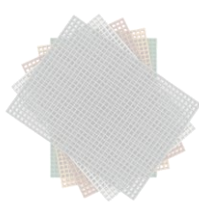


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### ✓ Reliable Supply Chain

Efficient production planning and logistics coordination to meet delivery timelines.

### ✓ Technical Support

Assistance in product selection, load class identification, and application suitability.

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## Global Applications

SREX products are suitable for:

- Urban infrastructure projects
- Industrial and petrochemical facilities
- Smart cities and telecom networks
- Ports, airports, and transport hubs
- Residential and commercial developments

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## Commitment to Long-Term Partnerships

We focus on building strong international relationships by delivering:

- Consistent product quality
- Competitive pricing
- Responsive communication
- Reliable after-sales support

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## Conclusion

SREX GRP Manhole Covers are a modern alternative to traditional materials, combining engineering strength, safety, and durability with practical advantages like lightweight handling and corrosion resistance. They are a reliable choice for projects where performance, longevity, and cost-efficiency are critical.



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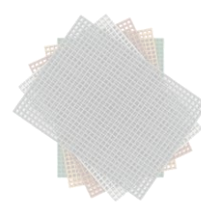
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## TECHNICAL DATASHEET – GRP MANHOLE COVERS

Sr. No.	Parameter	Specification
1	Resin	Polyester Resin
2	Appearance	W/w. Clear Liquid
3	Specific Gravity	1.11
4	Viscosity	400 CPS
5	Gel Time	15 Minutes
6	Density	2.2
7	Resistance	UV and Fire Resistant
8	Temperature	80 °C (Peak)
9	Glass Fiber	Emulsion Mat, Uni Direction Mat, Woven Roving Mat
10	Colour	Granite Finish or as per requirement
11	Load Capacity	0.5 Tons to 90 Tons
12	Logo	SREX
13	Lock Specification	SS-316 Nut Bolt, Bolt size 10mm x 125mm (Air/water tight)
14	Key Specification	Size: 10mm SS316 Rod height 150mm width 100mm
15	Code Specification	Conforming to Grade designation as per EN-124
16	UV Stabilize	0.40%
17	Permanent set	0.8mm
18	Working temperature	-40°C to +80°C
19	Longitude strength	250–500 MPa
20	Compressive strength	260–550 MPa
21	Stretch modulus	25–35 GPa
22	Poisson ratio	0.35

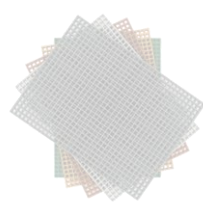


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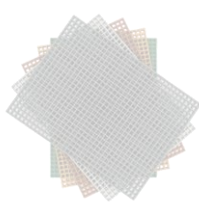
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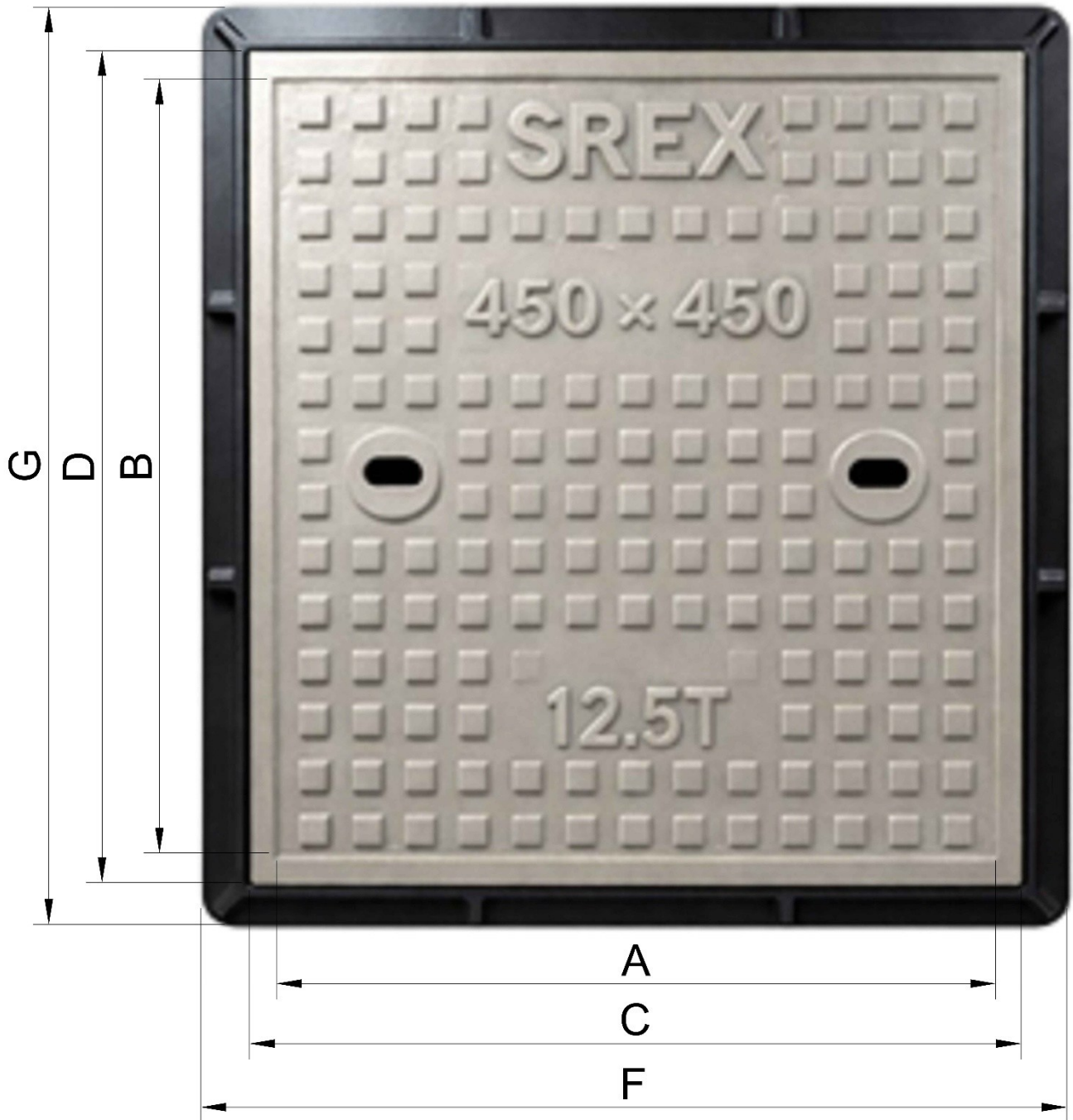
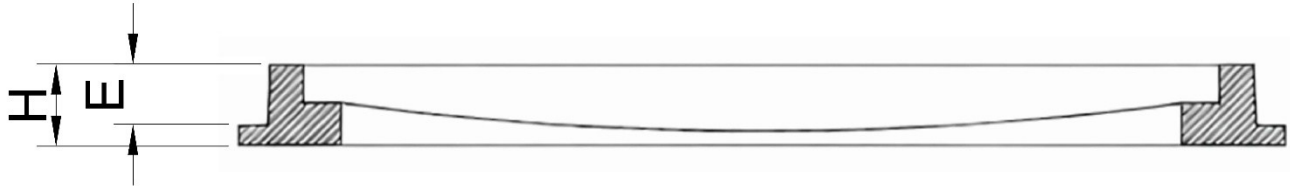
Sr. No.	Parameter	Specification
23	Break elongation ratio	0.7% – 8%
24	Bending strength	500–1000 MPa
25	Conduction	Non electricity & non-heat conduction
26	Lifting arrangement	Yes
27	Anti-slip surface	Yes

- ✓ The raw material is manufactured and tested in India.
- ✓ The raw materials are tested and approved as per **IS-11551 & BS - 14118** and **IS 6746-1994 (Reaffirmed 2005)**.
- ✓ GRP Manhole Covers and Gratings are tested as per **IS: 1726 & BS EN - 124**.






**1. GRP SQUARE MANHOLE COVER WITH FRAME (SINGLE COVER)**

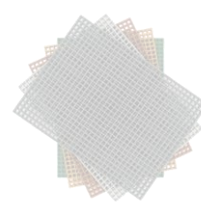


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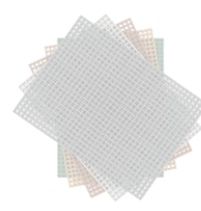
Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 300x300 ELD	ELD - 2.5T	300x300	320x320	15	4	380x380	40	3
MHCWF 300x300 LD	LD - 5T	300x300	320x320	15	4	380x380	40	3
MHCWF 300x300 MD	MD - 12.5T	300x300	380x380	30	10	460x460	60	6
MHCWF 300x300 HD	HD - 25T	300x300	380x380	30	10	460x460	60	6
MHCWF 300x300 EHD	EHD - 40T	300x300	380x380	30	10	460x460	60	6

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 450x450 ELD	ELD - 2.5T	450x450	505x505	25	15	590x590	40	7
MHCWF 450x450 LD	LD - 5T	450x450	505x505	25	15	590x590	40	7
MHCWF 450x450 MD	MD - 12.5T	450x450	505x505	25	25	590x590	60	15
MHCWF 450x450 HD	HD - 25T	450x450	505x505	25	25	590x590	60	15
MHCWF 450x450 EHD	EHD - 40T	450x450	505x505	25	25	590x590	60	15

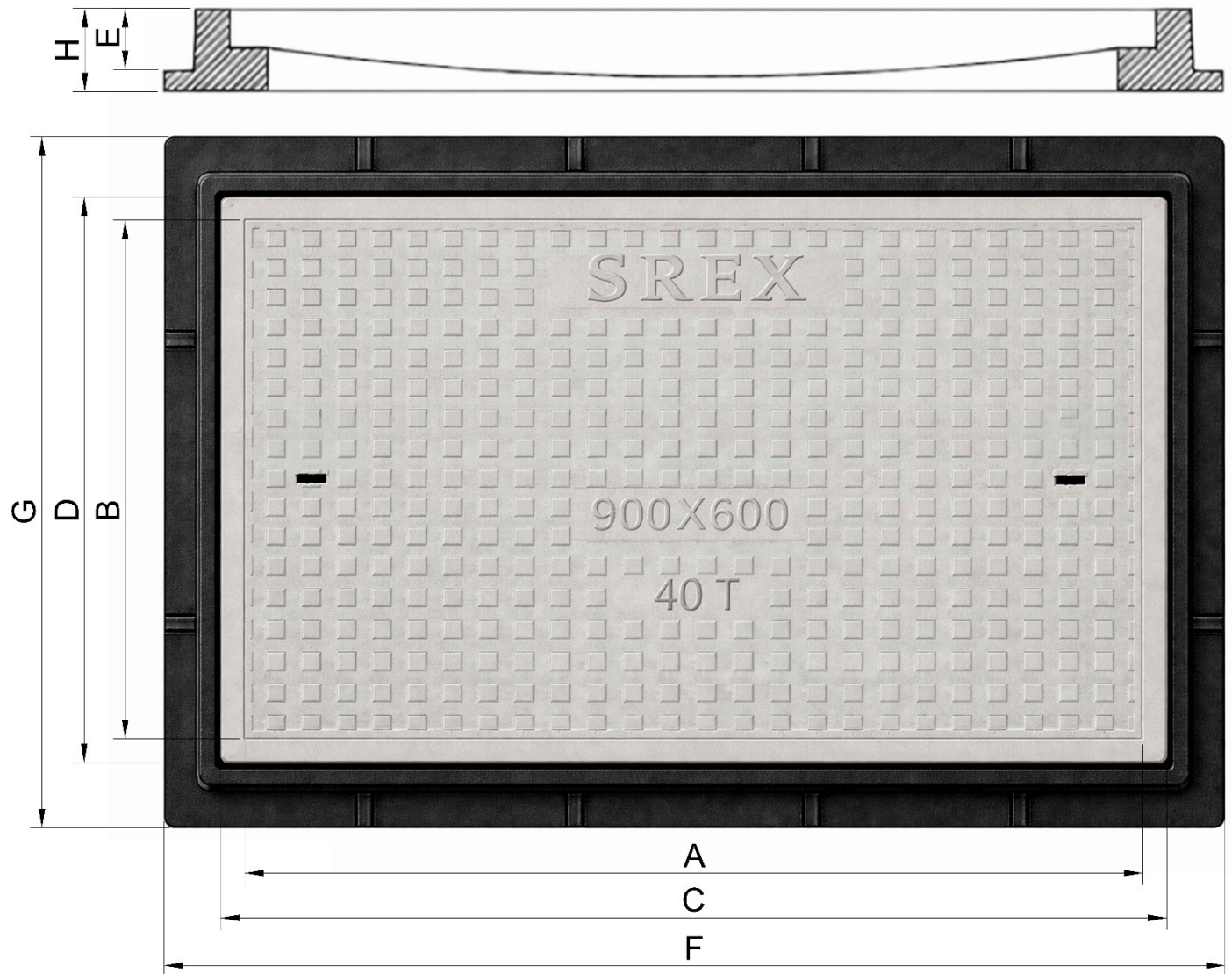
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MHCWF 600x600 ELD	ELD - 2.5T	600x600	660x660	30	34	740x740	60	12
MHCWF 600x600 LD	LD - 5T	600x600	660x660	30	34	740x740	60	12
MHCWF 600x600 MD	MD - 12.5T	600x600	660x660	30	35	740x740	60	12
MHCWF 600x600 HD	HD - 25T	600x600	660x660	30	60	740x740	80	25
MHCWF 600x600 EHD	EHD - 40T	600x600	660x660	30	62	740x740	80	26

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 750x750 ELD	ELD - 2.5T	750x750	810x810	40	30	920x920	65	18
MHCWF 750x750 LD	LD - 5T	750x750	810x810	40	30	920x920	65	18
MHCWF 750x750 MD	MD - 12.5T	750x750	810x810	40	46	920x920	65	18
MHCWF 750x750 HD	HD - 25T	750x750	810x810	40	82	920x920	85	30
MHCWF 750x750 EHD	EHD - 40T	750x750	810x810	40	85	920x920	85	30





## 2. GRP RECTANGULAR MANHOLE COVER WITH FRAME (SINGLE COVER)



Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 600x450 ELD	ELD - 2.5T	600x450	650x500	30	22	735x590	60	10
MHCWF 600x450 LD	LD - 5T	600x450	650x500	30	22	735x590	60	10
MHCWF 600x450 MD	MD - 12.5T	600x450	650x500	30	22	735x590	60	10
MHCWF 600x450 HD	HD - 25T	600x450	650x500	30	35	735x590	60	10
MHCWF 600x450 EHD	EHD - 40T	600x450	650x500	30	35	735x590	60	10

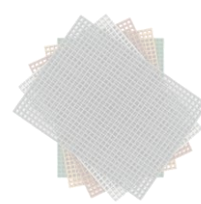


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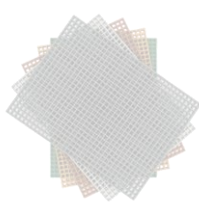
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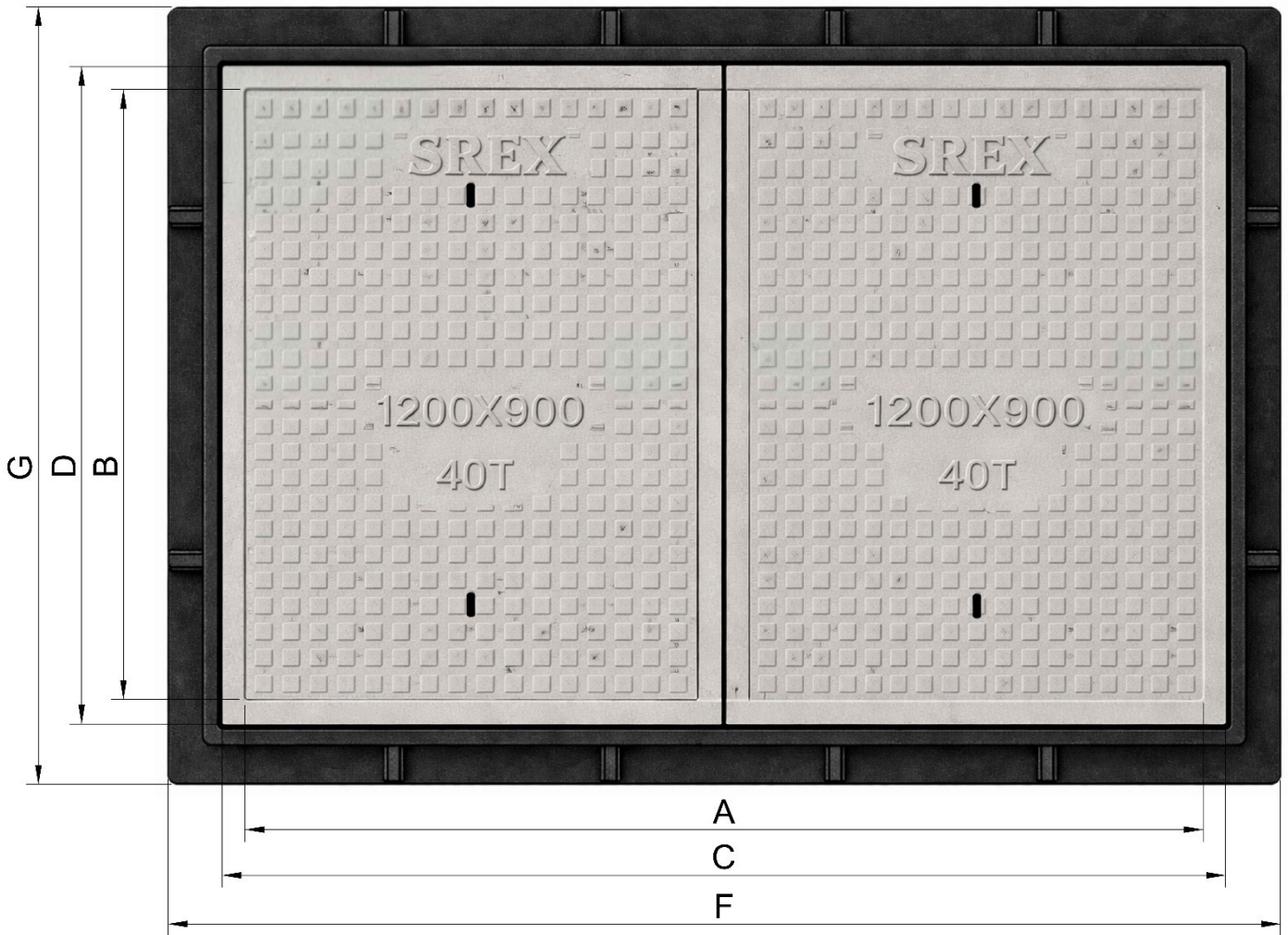
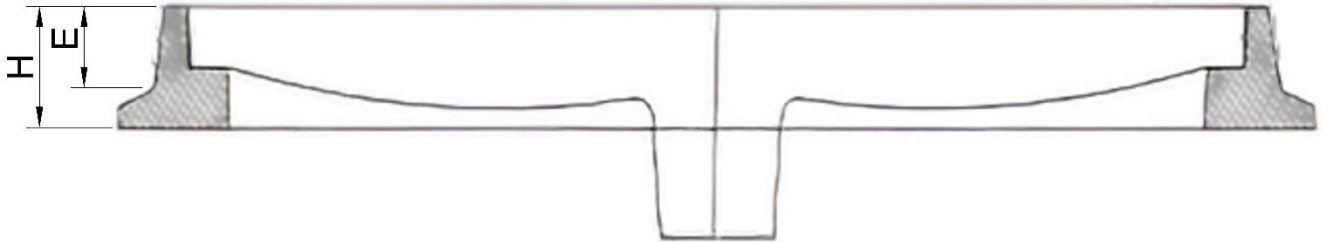
Code	BS EN 124 Loading Class	Clear Opening Ax B (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 900x450 ELD	ELD - 2.5T	900x450	950x500	40	30	1035x580	60	13
MHCWF 900x450 LD	LD - 5T	900x450	950x500	40	30	1035x580	60	13
MHCWF 900x450 MD	MD - 12.5T	900x450	950x500	40	30	1035x580	60	13
MHCWF 900x450 HD	HD - 25T	900x450	950x470	50	40	1070x570	65	13
MHCWF 900x450 EHD	EHD - 40T	900x450	950x470	52	40	1070x570	65	13

Code	BS EN 124 Loading Class	Clear Opening Ax B (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 900x600 ELD	ELD - 2.5T	900x600	960x655	30	45	1040x735	60	20
MHCWF 900x600 LD	LD - 5T	900x600	960x655	30	47	1040x735	60	20
MHCWF 900x600 MD	MD - 12.5T	900x600	960x655	30	47	1040x735	60	20
MHCWF 900x600 HD	HD - 25T	900x600	970x670	45	80	1080x780	90	36
MHCWF 900x600 EHD	EHD - 40T	900x600	970x670	45	80	1080x780	90	36





### 3. GRP RECTANGULAR MANHOLE COVER WITH FRAME (DOUBLE COVER)



Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 1200x900 ELD	ELD - 2.5T	1200x900	970x635	50	66	1400x1120	130	61
MHCWF 1200x900 LD	LD - 5T	1200x900	970x635	50	66	1400x1120	130	61
MHCWF 1200x900 MD	MD - 12.5T	1200x900	970x635	50	68	1400x1120	130	61
MHCWF 1200x900 HD	HD - 25T	1200x900	970x635	75	94	1400x1120	150	67
MHCWF 1200x900 EHD	EHD - 40T	1200x900	970x635	75	95	1400x1120	150	68

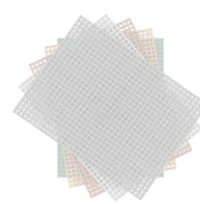


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Code	BS EN 124 Loading Class	Clear Opening Ax B (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 1550x1000 ELD	ELD - 2.5T	1550x1000	1100x800	55	100	2350x1790	140	108
MHCWF 1550x1000 LD	LD - 5T	1550x1000	1100x800	55	100	2350x1790	140	108
MHCWF 1550x1000 MD	MD - 12.5T	1550x1000	1100x800	55	100	2350x1790	140	108
MHCWF 1550x1000 HD	HD - 25T	1550x1000	1100x800	55	105	2350x1790	140	110
MHCWF 1550x1000 EHD	EHD - 40T	1550x1000	1100x800	55	105	2350x1790	140	110

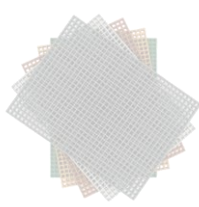
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MHCWF 1200x600 ELD	ELD - 2.5T	1200x600	670x620	55	30	1400x830	120	53
MHCWF 1200x600 LD	LD - 5T	1200x600	670x620	55	30	1400x830	120	53
MHCWF 1200x600 MD	MD - 12.5T	1200x600	670x620	55	30	1400x830	120	53
MHCWF 1200x600 HD	HD - 25T	1200x600	670x620	55	40	1400x830	120	53
MHCWF 1200x600 EHD	EHD - 40T	1200x600	670x620	55	40	1400x830	120	53

Code	BS EN 124 Loading Class	Clear Opening Ax B (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 900x900 ELD	ELD - 2.5T	900x900	975x490	30	35	1110x1110	100	40
MHCWF 900x900 LD	LD - 5T	900x900	975x490	50	40	1110x1110	100	47
MHCWF 900x900 MD	MD - 12.5T	900x900	975x490	50	45	1110x1110	100	47
MHCWF 900x900 HD	HD - 25T	900x900	980x980	50	190	1120x1120	120	47
MHCWF 900x900 EHD	EHD - 40T	900x900	980x980	50	195	1120x1120	120	47

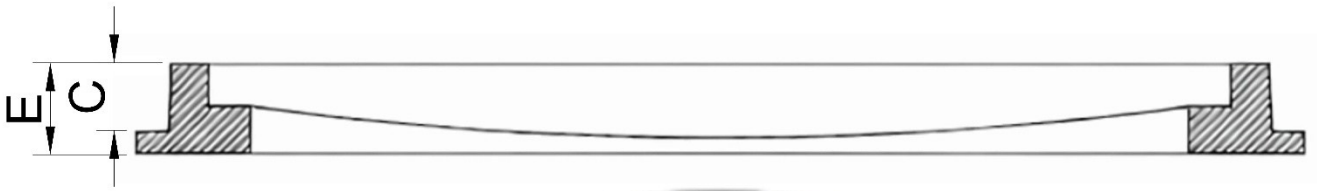
Code	BS EN 124 Loading Class	Clear Opening Ax B (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 1000x1000 ELD	ELD - 2.5T	1000x1000	1075x535	50	47	1200x1200	55	120
MHCWF 1000x1000 LD	LD - 5T	1000x1000	1075x535	50	47	1200x1200	55	120
MHCWF 1000x1000 MD	MD - 12.5T	1000x1000	1075x535	50	47	1200x1200	55	120
MHCWF 1000x1000 HD	HD - 25T	1000x1000	1070x1070	50	230	1200x1200	55	120
MHCWF 1000x1000 EHD	EHD - 40T	1000x1000	1070x1070	50	230	1200x1200	55	120

Code	BS EN 124 Loading Class	Clear Opening Ax B (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
MHCWF 1200x1200 ELD	ELD - 2.5T	1200x1200	1270x1270	50	176	1400x1400	130	88
MHCWF 1200x1200 LD	LD - 5T	1200x1200	1270x1270	50	176	1400x1400	130	88
MHCWF 1200x1200 MD	MD - 12.5T	1200x1200	1270x1270	50	179	1400x1400	130	88
MHCWF 1200x1200 HD	HD - 25T	1200x1200	1270x1270	50	300	1400x1400	130	90
MHCWF 1200x1200 EHD	EHD - 40T	1200x1200	1270x1270	50	305	1400x1400	130	90






#### 4. GRP CIRCULAR MANHOLE COVER WITH FRAME

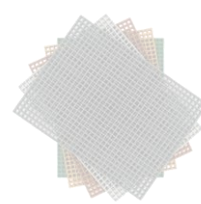


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Code	BS EN 124 Loading Class	Clear Opening ØA (mm)	Cover Size ØB (mm)	Cover Thk. C (mm)	Cover Wt. (kg)	Frame Size ØD (mm)	Frame Thk. E (mm)	Frame Wt. (kg)
MHCWF 530 ELD	ELD - 2.5T	530	570	25	15	650	40	12
MHCWF 530 LD	LD - 5T	530	570	25	15	650	40	12
MHCWF 530 MD	MD - 12.5T	530	570	25	15	650	40	12
MHCWF 530 HD	HD - 25T	530	600	50	25	710	90	17
MHCWF 530 EHD	EHD - 40T	530	600	50	25	710	90	17

Code	BS EN 124 Loading Class	Clear Opening ØA (mm)	Cover Size ØB (mm)	Cover Thk. C (mm)	Cover Wt. (kg)	Frame Size ØD (mm)	Frame Thk. E (mm)	Frame Wt. (kg)
MHCWF 560 ELD	ELD - 2.5T	560	600	20	20	700	80	12
MHCWF 560 LD	LD - 5T	560	600	20	20	700	80	12
MHCWF 560 MD	MD - 12.5T	560	600	20	20	700	80	12
MHCWF 560 HD	HD - 25T	560	620	65	28	730	80	14
MHCWF 560 EHD	EHD - 40T	560	620	65	28	730	80	14

Code	BS EN 124 Loading Class	Clear Opening ØA (mm)	Cover Size ØB (mm)	Cover Thk. C (mm)	Cover Wt. (kg)	Frame Size ØD (mm)	Frame Thk. E (mm)	Frame Wt. (kg)
MHCWF 600 ELD	ELD - 2.5T	600	640	25	20	700	50	10
MHCWF 600 LD	LD - 5T	600	640	25	20	700	50	10
MHCWF 600 MD	MD - 12.5T	600	670	45	30	770	80	15
MHCWF 600 HD	HD - 25T	600	670	45	40	770	80	30
MHCWF 600 EHD	EHD - 40T	600	680	60	50	770	100	30

Code	BS EN 124 Loading Class	Clear Opening ØA (mm)	Cover Size ØB (mm)	Cover Thk. C (mm)	Cover Wt. (kg)	Frame Size ØD (mm)	Frame Thk. E (mm)	Frame Wt. (kg)
MHCWF 900 ELD	ELD - 2.5T	900	950	75	90	1065	100	27
MHCWF 900 LD	LD - 5T	900	950	75	90	1065	100	27
MHCWF 900 MD	MD - 12.5T	900	950	75	90	1065	100	27
MHCWF 900 HD	HD - 25T	900	950	75	105	1065	100	30
MHCWF 900 EHD	EHD - 40T	900	950	75	105	1065	100	30

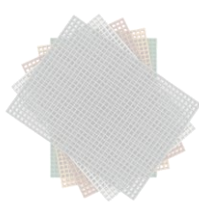


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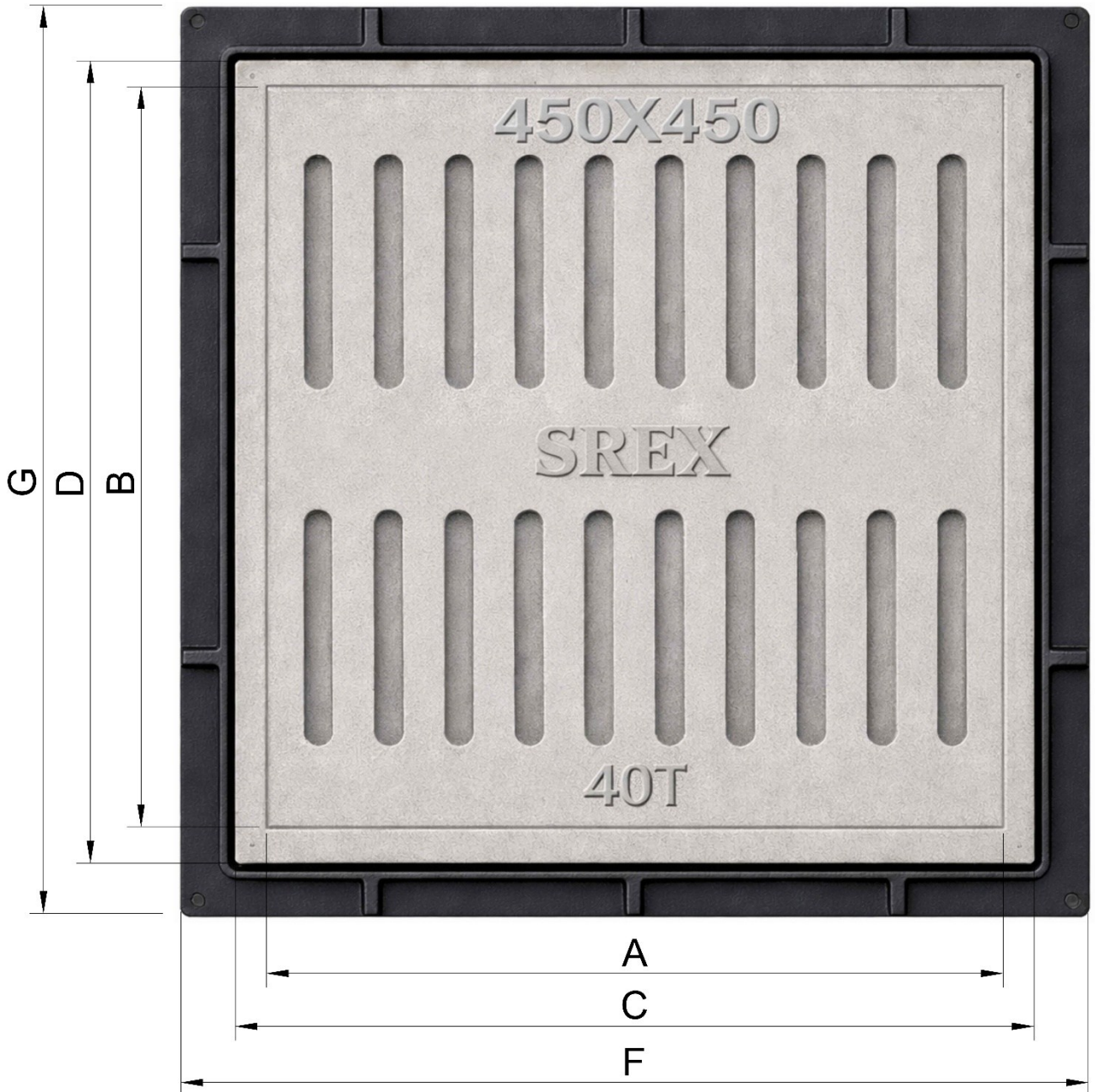
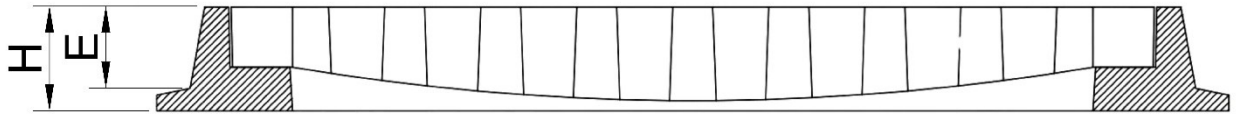
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**5. GRP GULLY GRATING WITH FRAME**

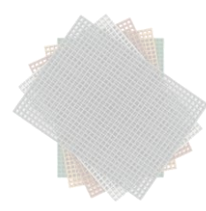


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Code	BS EN 124 Loading Class	Clear Opening $\phi A \times \phi B$ (mm)	Cover Size $\phi C \times \phi D$ (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size $\phi F \times \phi G$ (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 600 DIA ELD	ELD - 2.5T	600	680	50	41	795	90	21
WGCWF 600 DIA LD	LD - 5T	600	680	50	41	795	90	21
WGCWF 600 DIA MD	MD - 12.5T	600	680	50	41	795	90	21
WGCWF 600 DIA HD	HD - 25T	600	680	50	41	795	90	21
WGCWF 600 DIA EHD	EHD - 40T	600	680	50	41	795	90	21

Code	BS EN 124 Loading Class	Clear Opening Ax $\times$ B (mm)	Cover Size C $\times$ D (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size F $\times$ G (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 300x300 ELD	ELD - 2.5T	300x300	380x380	30	6	460x460	50	6
WGCWF 300x300 LD	LD - 5T	300x300	380x380	30	6	460x460	50	6
WGCWF 300x300 MD	MD - 12.5T	300x300	380x380	30	6	460x460	50	6
WGCWF 300x300 HD	HD - 25T	300x300	380x380	30	6	460x460	50	6
WGCWF 300x300 EHD	EHD - 40T	300x300	380x380	30	6	460x460	50	6

Code	BS EN 124 Loading Class	Clear Opening Ax $\times$ B (mm)	Cover Size C $\times$ D (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size F $\times$ G (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 450x450 ELD	ELD - 2.5T	450x450	500x500	30	20	580x580	60	10
WGCWF 450x450 LD	LD - 5T	450x450	500x500	30	20	580x580	60	10
WGCWF 450x450 MD	MD - 12.5T	450x450	500x500	30	20	580x580	60	10
WGCWF 450x450 HD	HD - 25T	450x450	520x520	50	25	630x630	70	15
WGCWF 450x450 EHD	EHD - 40T	450x450	520x520	50	25	630x630	70	15

Code	BS EN 124 Loading Class	Clear Opening Ax $\times$ B (mm)	Cover Size C $\times$ D (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size F $\times$ G (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 600x450 ELD	ELD - 2.5T	600x450	680x540	30	25	730x560		15
WGCWF 600x450 LD	LD - 5T	600x450	680x540	30	25	730x560		15
WGCWF 600x450 MD	MD - 12.5T	600x450	680x540	30	25	730x560		15
WGCWF 600x450 HD	HD - 25T	600x450	680x540	50	33	730x560		22
WGCWF 600x450 EHD	EHD - 40T	600x450	680x540	50	33	730x560		22

Code	BS EN 124 Loading Class	Clear Opening Ax $\times$ B (mm)	Cover Size C $\times$ D (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size F $\times$ G (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 500x600 ELD	ELD - 2.5T	500x600	555x665	25	24	645x750	60	11
WGCWF 500x600 LD	LD - 5T	500x600	555x665	25	24	645x750	60	11
WGCWF 500x600 MD	MD - 12.5T	500x600	555x665	25	24	645x750	60	11
WGCWF 500x600 HD	HD - 25T	500x600	550x650	50	38	670x770	80	16
WGCWF 500x600 EHD	EHD - 40T	500x600	550x650	50	38	670x770	80	16

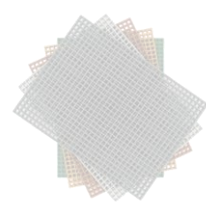


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Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 600x600 ELD	ELD - 2.5T	600x600	660x660	30	26	745x745	60	12
WGCWF 600x600 LD	LD - 5T	600x600	660x660	30	26	745x745	60	12
WGCWF 600x600 MD	MD - 12.5T	600x600	660x660	30	27	745x745	60	12
WGCWF 600x600 HD	HD - 25T	600x600	690x690	50	50	810x810	115	38
WGCWF 600x600 EHD	EHD - 40T	600x600	690x690	50	50	810x810	115	38

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 600x750 ELD	ELD - 2.5T	600x750	690x840	50	60	850x980	140	90
WGCWF 600x750 LD	LD - 5T	600x750	690x840	50	60	850x980	140	90
WGCWF 600x750 MD	MD - 12.5T	600x750	690x840	50	60	850x980	140	90
WGCWF 600x750 HD	HD - 25T	600x750	690x840	50	60	850x980	140	90
WGCWF 600x750 EHD	EHD - 40T	600x750	690x840	50	60	850x980	140	90

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 900x600 ELD	ELD - 2.5T	900x600	980x680	50	70	1110x810	85	37
WGCWF 900x600 LD	LD - 5T	900x600	980x680	50	72	1110x810	85	37
WGCWF 900x600 MD	MD - 12.5T	900x600	980x680	50	75	1110x810	85	37
WGCWF 900x600 HD	HD - 25T	900x600	980x680	50	75	1110x810	85	37
WGCWF 900x600 EHD	EHD - 40T	900x600	980x680	50	75	1110x810	85	37

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 1200x600 ELD	ELD - 2.5T	1200x600	1240x670	50	95	1390x830	120	65
WGCWF 1200x600 LD	LD - 5T	1200x600	1240x670	50	95	1390x830	120	65
WGCWF 1200x600 MD	MD - 12.5T	1200x600	1240x670	50	95	1390x830	120	65
WGCWF 1200x600 HD	HD - 25T	1200x600	1240x670	50	95	1390x830	120	65
WGCWF 1200x600 EHD	EHD - 40T	1200x600	1240x670	50	95	1390x830	120	65

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 750x750 ELD	ELD - 2.5T	750x750	800x800	30	45	890x890	60	15
WGCWF 750x750 LD	LD - 5T	750x750	800x800	30	45	890x890	60	15
WGCWF 750x750 MD	MD - 12.5T	750x750	800x800	30	45	890x890	60	15
WGCWF 750x750 HD	HD - 25T	750x750	800x800	50	60	890x890	100	27
WGCWF 750x750 EHD	EHD - 40T	750x750	800x800	50	60	890x890	100	27

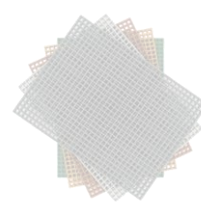


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Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 1000x1000 ELD	ELD - 2.5T	1000x1000	1070x1070	50	170	1200x1200	130	60
WGCWF 1000x1000 LD	LD - 5T	1000x1000	1070x1070	50	170	1200x1200	130	60
WGCWF 1000x1000 MD	MD - 12.5T	1000x1000	1070x1070	50	170	1200x1200	130	60
WGCWF 1000x1000 HD	HD - 25T	1000x1000	1070x1070	50	170	1200x1200	130	60
WGCWF 1000x1000 EHD	EHD - 40T	1000x1000	1070x1070	50	170	1200x1200	130	60

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 900x1200 ELD	ELD - 2.5T	900x1200	990x1290	50	110	1110x1410	90	50
WGCWF 900x1200 LD	LD - 5T	900x1200	990x1290	50	110	1110x1410	90	50
WGCWF 900x1200 MD	MD - 12.5T	900x1200	990x1290	50	110	1110x1410	90	50
WGCWF 900x1200 HD	HD - 25T	900x1200	990x1290	50	180	1110x1410	90	50
WGCWF 900x1200 EHD	EHD - 40T	900x1200	990x1290	50	180	1110x1410	90	50

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 640x240 ELD	ELD - 2.5T	640x240	700x300	25	15	800x400	50	12
WGCWF 640x240 LD	LD - 5T	640x240	700x300	25	15	800x400	50	12
WGCWF 640x240 MD	MD - 12.5T	640x240	700x300	25	15	800x400	50	12
WGCWF 640x240 HD	HD - 25T	640x240	700x300	40	30	800x400	70	18
WGCWF 640x240 EHD	EHD - 40T	640x240	700x300	40	30	800x400	70	18

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 900x450 ELD	ELD - 2.5T	900x450	964x515	30	35	1055x605	55	15
WGCWF 900x450 LD	LD - 5T	900x450	964x515	30	35	1055x605	55	15
WGCWF 900x450 MD	MD - 12.5T	900x450	964x515	30	35	1055x605	55	15
WGCWF 900x450 HD	HD - 25T	900x450	980x530	40	55	1100x650	85	28
WGCWF 900x450 EHD	EHD - 40T	900x450	980x530	40	55	1100x650	85	28

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
WGCWF 900x900 ELD	ELD - 2.5T	900x900	960x960	30	70	1050x1050	58	25
WGCWF 900x900 LD	LD - 5T	900x900	960x960	30	70	1050x1050	58	25
WGCWF 900x900 MD	MD - 12.5T	900x900	960x960	30	70	1050x1050	58	25
WGCWF 900x900 HD	HD - 25T	900x900	975x975	35	100	1110x1110	80	38
WGCWF 900x900 EHD	EHD - 40T	900x900	975x975	35	100	1110x1110	80	38

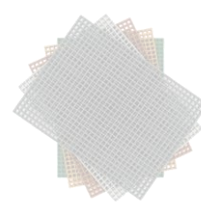


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## TECHNICAL DATASHEET – GRP RECESSED MANHOLE COVERS

Sr. No.	Parameter	Specification
1	Resin	Polyester Resin
2	Appearance	W/w. Clear Liquid
3	Specific Gravity	1.11
4	Viscosity	400 CPS
5	Gel Time	15 Minutes
6	Density	2.2
7	Resistance	UV and Fire Resistant
8	Temperature	80 °C (Peak)
9	Glass Fiber	Emulsion Mat, Uni Direction Mat, Woven Roving Mat
10	Colour	Granite Finish or as per requirement
11	Load Capacity	0.5 Tons to 90 Tons
12	Logo	SREX
13	Lock Specification	Standard
14	Key Specification	Standard
15	Gasket Provision	Not Applicable
16	Code Specification	Conforming to Grade designation as per EN-124
17	UV Stabilize	0.40%
18	Permanent set	0.8mm
19	Working temperature	-40°C to +80°C
20	Longitude strength	250–500 MPa
21	Compressive strength	260–550 MPa
22	Stretch modulus	25–35 GPa

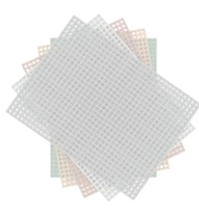


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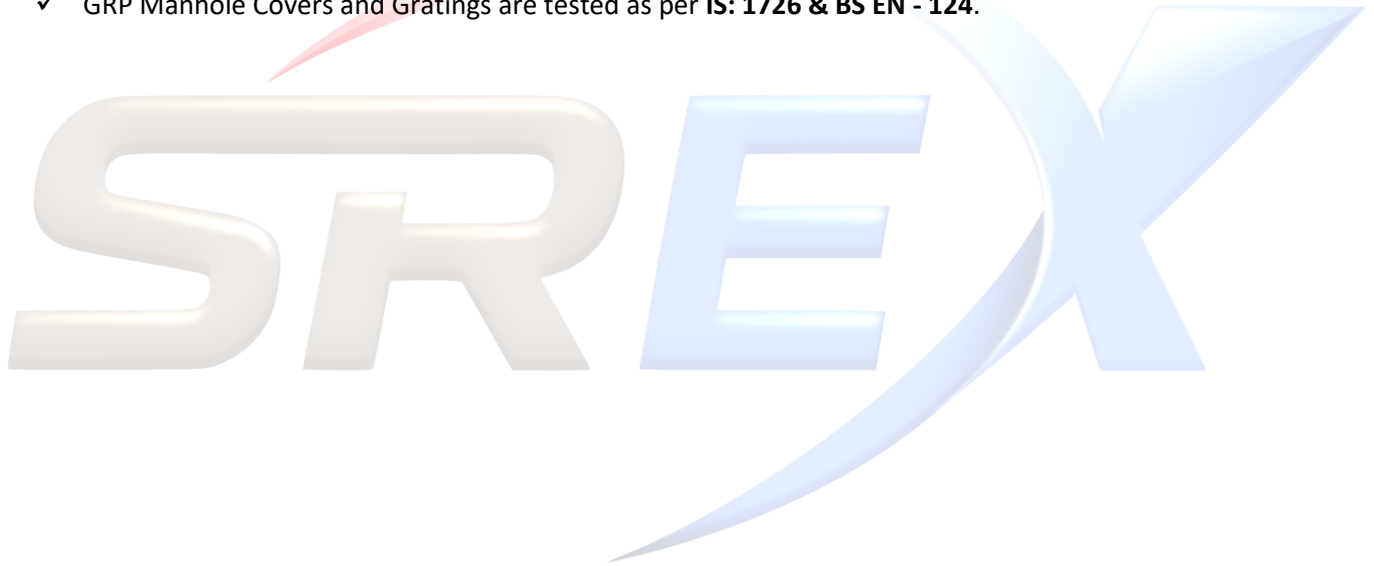
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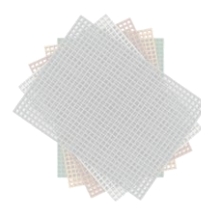
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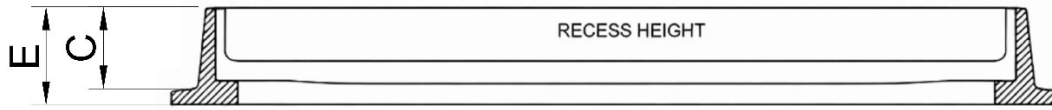
Sr. No.	Parameter	Specification
23	Poisson ratio	0.35
24	Break elongation ratio	0.7% – 8%
25	Bending strength	500–1000 MPa
26	Conduction	Non electricity & non-heat conduction
27	Lifting arrangement	Yes
28	Anti-slip surface	Not Applicable

- ✓ The raw material is manufactured and tested in India.
- ✓ The raw materials are tested and approved as per **IS-11551 & BS - 14118** and **IS 6746-1994 (Reaffirmed 2005)**.
- ✓ GRP Manhole Covers and Gratings are tested as per **IS: 1726 & BS EN - 124**.





## 6. GRP CIRCULAR RECESSED MANHOLE COVER WITH FRAME



Code	BS EN 124 Loading Class	Clear Opening ØA (mm)	Cover Size ØB (mm)	Cover Thk. C (mm)	Depth (mm)	Frame Size ØD (mm)	Frame Thk. E (mm)
RMHCF 560 DIA ELD	ELD - 2.5T	560 DIA	614 DIA	90	725 DIA	115	40
RMHCF 560 DIA LD	LD - 5T	560 DIA	614 DIA	90	725 DIA	115	40
RMHCF 560 DIA MD	MD - 12.5T	560 DIA	614 DIA	90	725 DIA	115	40
RMHCF 560 DIA HD	HD - 25T	560 DIA	654 DIA	95	770 DIA	130	90
RMHCF 560 DIA EHD	EHD - 40T	560 DIA	654 DIA	95	770 DIA	130	90

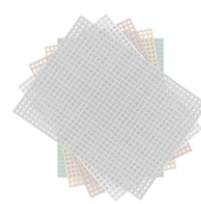


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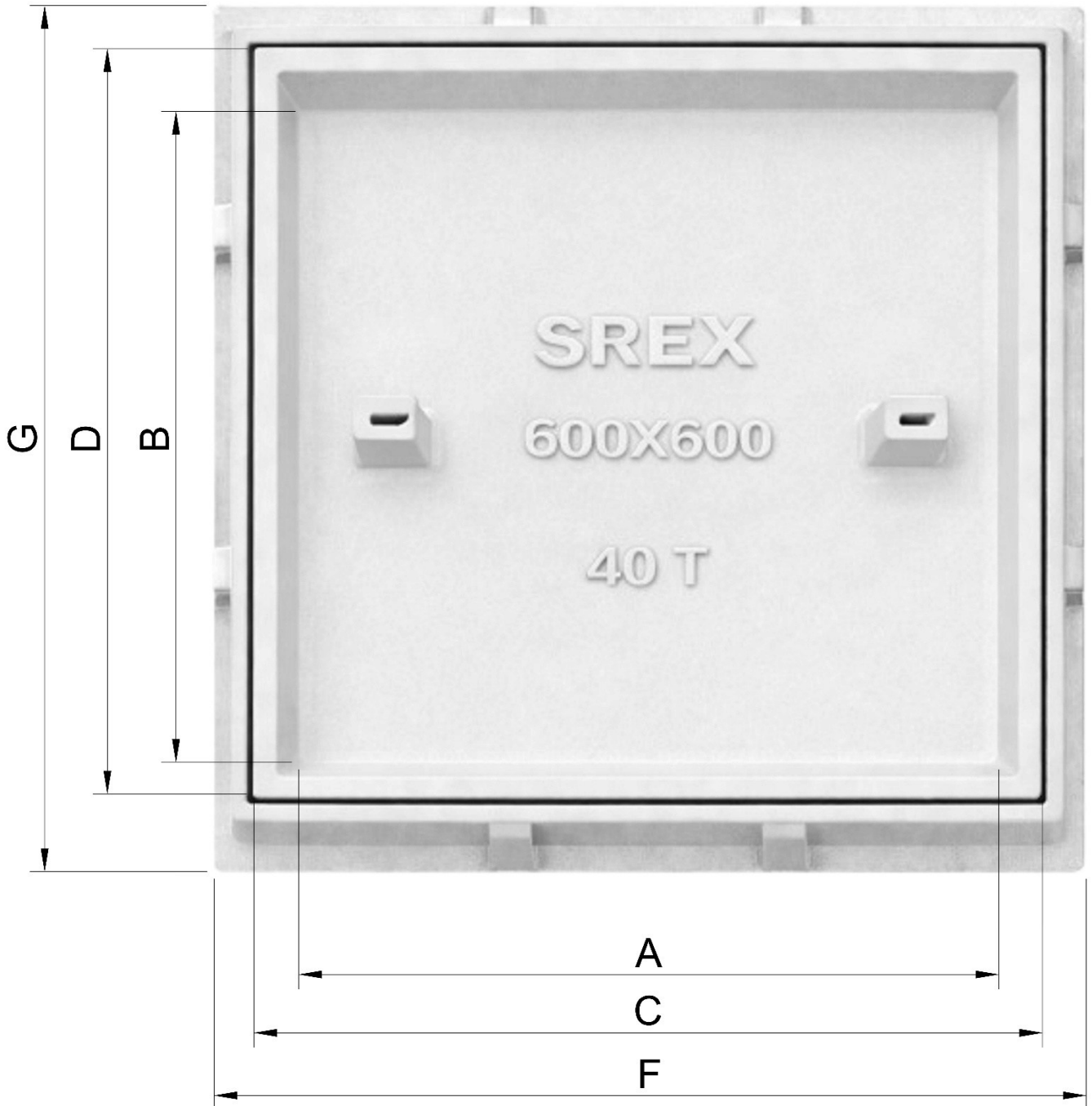
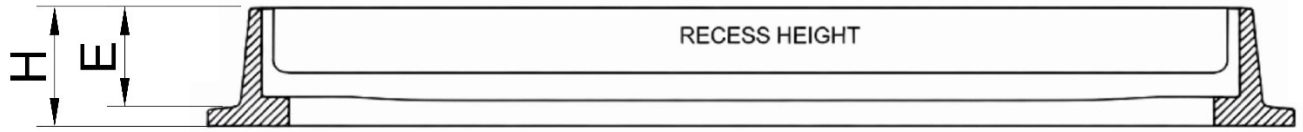
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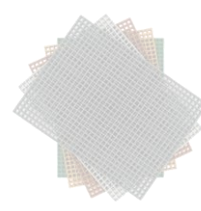
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**7. GRP SQUARE/RECTANGULAR RECESSED MANHOLE COVER WITH FRAME**





Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 300x300 ELD	ELD - 2.5T	300x300	355x355	90	115	60
RMHCF 300x300 LD	LD - 5T	300x300	355x355	90	115	60
RMHCF 300x300 MD	MD - 12.5T	300x300	355x355	90	115	60
RMHCF 300x300 HD	HD - 25T	300x300	390x390	110	150	100
RMHCF 300x300 EHD	EHD - 40T	300x300	390x390	110	150	100

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 450x450 ELD	ELD - 2.5T	450x450	505x505	90	615x615	115
RMHCF 450x450 LD	LD - 5T	450x450	505x505	90	615x615	115
RMHCF 450x450 MD	MD - 12.5T	450x450	505x505	90	615x615	115
RMHCF 450x450 HD	HD - 25T	450x450	540x540	110	680x680	150
RMHCF 450x450 EHD	EHD - 40T	450x450	540x540	110	680x680	150

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 600x600 ELD	ELD - 2.5T	600x600	655x655	90	765x765	115
RMHCF 600x600 LD	LD - 5T	600x600	655x655	90	765x765	115
RMHCF 600x600 MD	MD - 12.5T	600x600	655x655	90	765x765	115
RMHCF 600x600 HD	HD - 25T	600x600	685x685	110	820x820	145
RMHCF 600x600 EHD	EHD - 40T	600x600	685x685	110	820x820	145

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 750x750 ELD	ELD - 2.5T	750x750	805x805	90	915x915	115
RMHCF 750x750 LD	LD - 5T	750x750	805x805	90	915x915	115
RMHCF 750x750 MD	MD - 12.5T	750x750	805x805	90	915x915	115
RMHCF 750x750 HD	HD - 25T	750x750	845x845	95	950x950	130
RMHCF 750x750 EHD	EHD - 40T	750x750	845x845	95	950x950	130

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 900x900 ELD	ELD - 2.5T	900x900	475x955	90	1065x1065	115
RMHCF 900x900 LD	LD - 5T	900x900	475x955	90	1065x1065	115
RMHCF 900x900 MD	MD - 12.5T	900x900	475x955	90	1065x1065	115
RMHCF 900x900 HD	HD - 25T	900x900	495x990	110	1130x1130	130
RMHCF 900x900 EHD	EHD - 40T	900x900	495x990	110	1130x1130	130

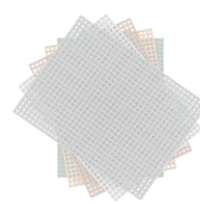


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Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 1000x1000 ELD	ELD - 2.5T	1000x1000	1090x1090	90	1200x1200	120
RMHCF 1000x1000 LD	LD - 5T	1000x1000	1090x1090	90	1200x1200	120
RMHCF 1000x1000 MD	MD - 12.5T	1000x1000	1090x1090	90	1200x1200	120
RMHCF 1000x1000 HD	HD - 25T	1000x1000	1090x1090	110	1200x1200	130
RMHCF 1000x1000 EHD	EHD - 40T	1000x1000	1090x1090	110	1200x1200	130

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 1220x990 ELD	ELD - 2.5T	1220x990	1275x1045	90	1385x1155	115
RMHCF 1220x990 LD	LD - 5T	1220x990	1275x1045	90	1385x1155	115
RMHCF 1220x990 MD	MD - 12.5T	1220x990	1275x1045	90	1385x1155	115
RMHCF 1220x990 HD	HD - 25T	1220x990	1275x1045	110	1385x1155	150
RMHCF 1220x990 EHD	EHD - 40T	1220x990	1275x1045	110	1385x1155	150


Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 600x450 ELD	ELD - 2.5T	600x450	655x505	90	765x615	115
RMHCF 600x450 LD	LD - 5T	600x450	655x505	90	765x615	115
RMHCF 600x450 MD	MD - 12.5T	600x450	655x505	90	765x615	115
RMHCF 600x450 HD	HD - 25T	600x450	695x545	95	810x660	130
RMHCF 600x450 EHD	EHD - 40T	600x450	695x545	95	810x660	130

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 900x450 ELD	ELD - 2.5T	900x450	955x505	90	1065x615	115
RMHCF 900x450 LD	LD - 5T	900x450	955x505	90	1065x615	115
RMHCF 900x450 MD	MD - 12.5T	900x450	955x505	90	1065x615	115
RMHCF 900x450 HD	HD - 25T	900x450	980x530	95	1100x650	140
RMHCF 900x450 EHD	EHD - 40T	900x450	980x530	95	1100x650	140

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 900x600 ELD	ELD - 2.5T	900x600	955x655	90	1065x765	115
RMHCF 900x600 LD	LD - 5T	900x600	955x655	90	1065x765	115
RMHCF 900x600 MD	MD - 12.5T	900x600	955x655	90	1065x765	115
RMHCF 900x600 HD	HD - 25T	900x600	985x685	110	1120x820	140
RMHCF 900x600 EHD	EHD - 40T	900x600	985x685	110	1120x820	140

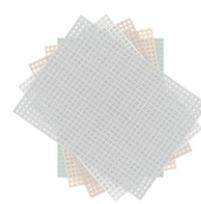


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Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 1200x600 ELD	ELD - 2.5T	1200x600	675x635	80	1375x775	110
RMHCF 1200x600 LD	LD - 5T	1200x600	675x635	80	1375x775	110
RMHCF 1200x600 MD	MD - 12.5T	1200x600	675x635	80	1375x775	110
RMHCF 1200x600 HD	HD - 25T	1200x600	675x635	80	1375x775	110
RMHCF 1200x600 EHD	EHD - 40T	1200x600	675x635	80	1375x775	110

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 1200x800 ELD	ELD - 2.5T	1200x800	875x630	80	1375x975	110
RMHCF 1200x800 LD	LD - 5T	1200x800	875x630	80	1375x975	110
RMHCF 1200x800 MD	MD - 12.5T	1200x800	875x630	80	1375x975	110
RMHCF 1200x800 HD	HD - 25T	1200x800	875x630	80	1375x975	110
RMHCF 1200x800 EHD	EHD - 40T	1200x800	875x630	80	1375x975	110

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Depth (mm)	Frame Size FxG (mm)	Frame Thk. H (mm)
RMHCF 1200x900 ELD	ELD - 2.5T	1200x900	973x635	80	1375x1065	110
RMHCF 1200x900 LD	LD - 5T	1200x900	973x635	80	1375x1065	110
RMHCF 1200x900 MD	MD - 12.5T	1200x900	973x635	80	1375x1065	110
RMHCF 1200x900 HD	HD - 25T	1200x900	973x635	80	1375x1065	110
RMHCF 1200x900 EHD	EHD - 40T	1200x900	973x635	80	1375x1065	110

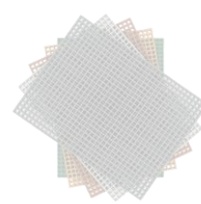


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## TECHNICAL DATASHEET – GRP AIR & WATER TIGHT MANHOLE COVERS

Sr. No.	Parameter	Specification
1	Resin	Polyester Resin
2	Appearance	W/w. Clear Liquid
3	Specific Gravity	1.11
4	Viscosity	400 CPS
5	Gel Time	15 Minutes
6	Density	2.2
7	Resistance	UV and Fire Resistant
8	Temperature	80 °C (Peak)
9	Glass Fiber	Emulsion Mat, Uni Direction Mat, Woven Roving Mat
10	Colour	Granite Finish or as per requirement
11	Load Capacity	0.5 Tons to 90 Tons
12	Logo	SREX
13	Lock Specification	SS-316 Nut Bolt, Bolt size 10mm x 125mm (Air/water tight)
14	Key Specification	Size: 10mm SS316 Rod height 150mm width 100mm
15	Gasket Provision	EPDM Rubber Gasket
16	Code Specification	Conforming to Grade designation as per EN-124
17	UV Stabilize	0.40%
18	Permanent set	0.8mm
19	Working temperature	-40°C to +80°C
20	Longitude strength	250–500 MPa
21	Compressive strength	260–550 MPa
22	Stretch modulus	25–35 GPa

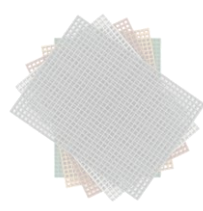


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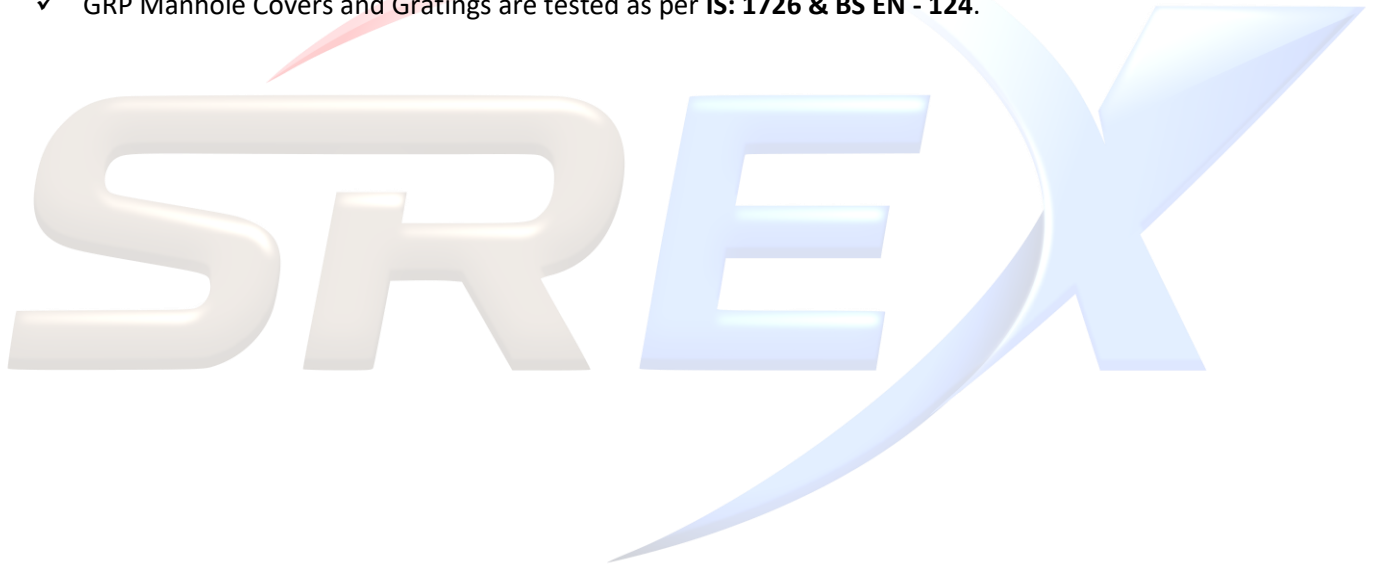
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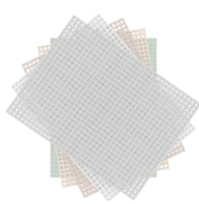
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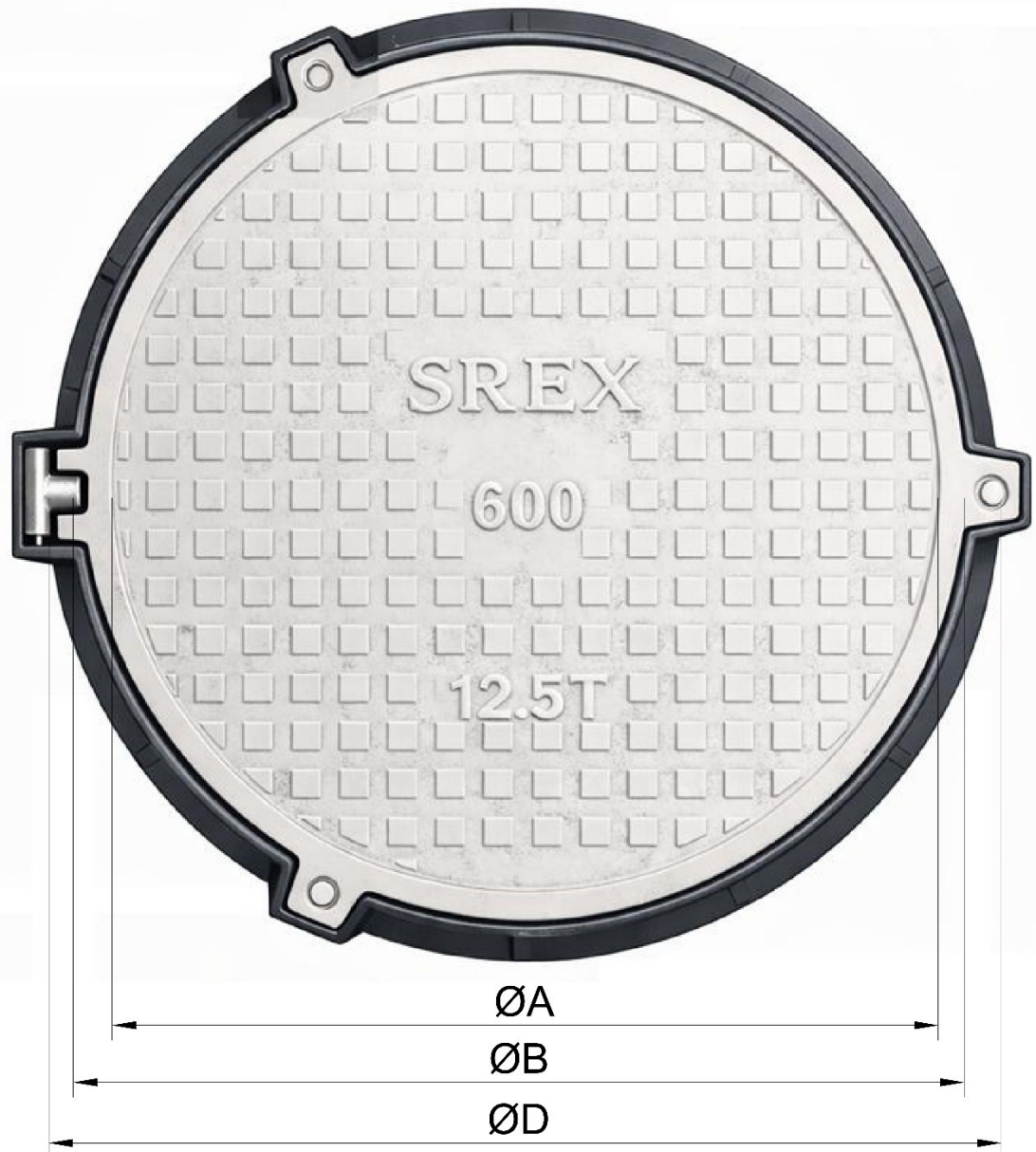
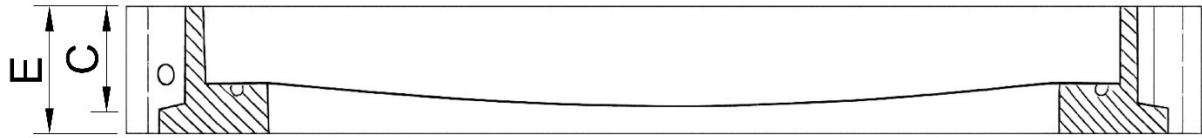
Sr. No.	Parameter	Specification
23	Poisson ratio	0.35
24	Break elongation ratio	0.7% – 8%
25	Bending strength	500–1000 MPa
26	Conduction	Non electricity & non-heat conduction
27	Lifting arrangement	Yes
28	Anti-slip surface	Yes

- ✓ The raw material is manufactured and tested in India.
- ✓ The raw materials are tested and approved as per **IS-11551 & BS - 14118** and **IS 6746-1994 (Reaffirmed 2005)**.
- ✓ GRP Manhole Covers and Gratings are tested as per **IS: 1726 & BS EN - 124**.



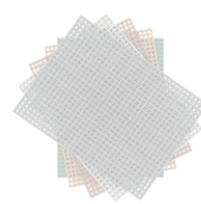


### 8. GRP CIRCULAR AIR & WATER TIGHT MANHOLE COVER WITH FRAME

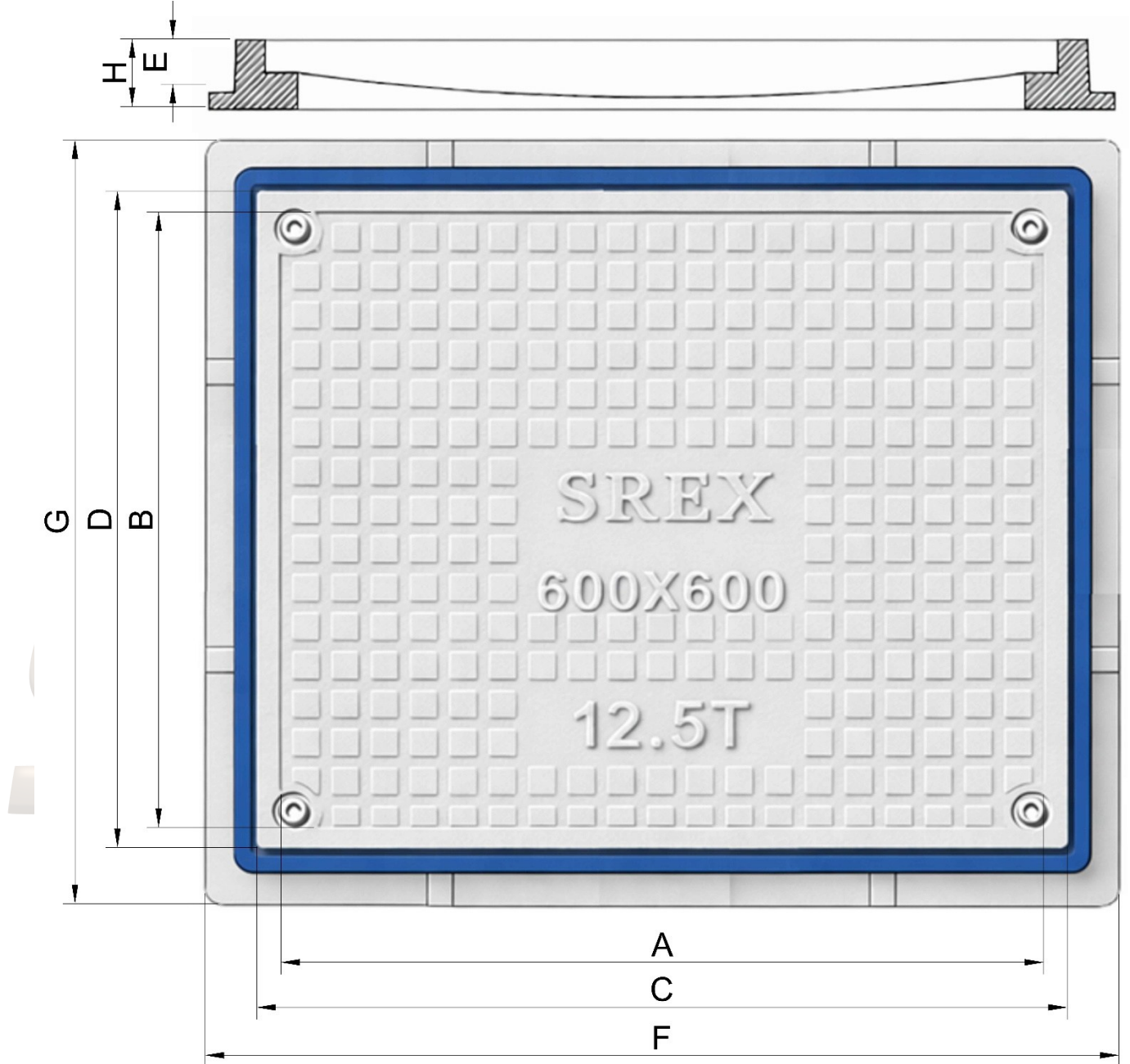


Code	BS EN 124 Loading Class	Clear Opening ØA (mm)	Cover Size ØB (mm)	Cover Thk. C (mm)	Cover Wt. (kg)	Frame Size ØD (mm)	Frame Thk. E (mm)	Frame Wt. (kg)
UGTCWF 600 ELD	ELD - 2.5T	600	710	28	26	800	60	18
UGTCWF 600 LD	LD - 5T	600	710	28	26	800	60	18
UGTCWF 600 MD	MD - 12.5T	600	710	28	26	800	60	18
UGTCWF 600 HD	HD - 25T	600	720	40	40	820	80	30
UGTCWF 600 EHD	EHD - 40T	600	720	40	40	820	80	30



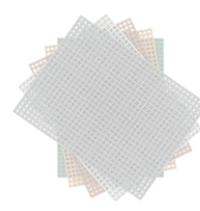


**9. GRP SQUARE/RECTANGULAR AIR & WATER TIGHT MANHOLE COVER WITH FRAME**



Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 300x300 ELD	ELD - 2.5T	300x300	385x385	25	9	460x460	55	8
DSMHCF 300x300 LD	LD - 5T	300x300	385x385	25	9	460x460	55	8
DSMHCF 300x300 MD	MD - 12.5T	300x300	385x385	25	9	460x460	55	8
DSMHCF 300x300 HD	HD - 25T	300x300	385x385	40	12	460x460	75	10
DSMHCF 300x300 EHD	EHD - 40T	300x300	385x385	40	12	460x460	75	10





Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 450x450 ELD	ELD - 2.5T	450x450	535x535	25	16	610x610	55	12
DSMHCF 450x450 LD	LD - 5T	450x450	535x535	25	16	610x610	55	12
DSMHCF 450x450 MD	MD - 12.5T	450x450	535x535	25	16	610x610	55	12
DSMHCF 450x450 HD	HD - 25T	450x450	535x535	40	26	640x640	75	15
DSMHCF 450x450 EHD	EHD - 40T	450x450	535x535	40	26	640x640	75	15

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 600x600 ELD	ELD - 2.5T	600x600	685x685	30	25	760x760	60	12
DSMHCF 600x600 LD	LD - 5T	600x600	685x685	30	25	760x760	60	12
DSMHCF 600x600 MD	MD - 12.5T	600x600	685x685	30	25	760x760	60	12
DSMHCF 600x600 HD	HD - 25T	600x600	685x685	40	50	790x790	75	25
DSMHCF 600x600 EHD	EHD - 40T	600x600	685x685	40	50	790x790	75	25

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 750x750 ELD	ELD - 2.5T	750x750	835x835	25	45	910x910	55	20
DSMHCF 750x750 LD	LD - 5T	750x750	835x835	25	45	910x910	55	20
DSMHCF 750x750 MD	MD - 12.5T	750x750	835x835	25	45	910x910	55	20
DSMHCF 750x750 HD	HD - 25T	750x750	835x835	40	70	940x940	75	25
DSMHCF 750x750 EHD	EHD - 40T	750x750	835x835	40	70	940x940	75	25

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 900x900 ELD	ELD - 2.5T	900x900	990x990	25	70	1080x1080	70	30
DSMHCF 900x900 LD	LD - 5T	900x900	990x990	25	70	1080x1080	70	30
DSMHCF 900x900 MD	MD - 12.5T	900x900	990x990	25	70	1080x1080	70	30
DSMHCF 900x900 HD	HD - 25T	900x900	990x990	25	120	1080x1080	90	50
DSMHCF 900x900 EHD	EHD - 40T	900x900	990x990	25	120	1080x1080	90	50

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 600x450 ELD	ELD - 2.5T	600x450	680x530	25	22	760x610	60	15
DSMHCF 600x450 LD	LD - 5T	600x450	680x530	25	22	760x610	60	15
DSMHCF 600x450 MD	MD - 12.5T	600x450	680x530	25	22	760x610	60	15
DSMHCF 600x450 HD	HD - 25T	600x450	680x530	25	35	760x610	60	20
DSMHCF 600x450 EHD	EHD - 40T	600x450	680x530	25	35	760x610	60	20

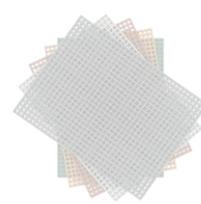


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Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 900x450 ELD	ELD - 2.5T	900x450	985x535	30	35	1060x610	60	20
DSMHCF 900x450 LD	LD - 5T	900x450	985x535	30	35	1060x610	60	20
DSMHCF 900x450 MD	MD - 12.5T	900x450	985x535	30	35	1060x610	60	20
DSMHCF 900x450 HD	HD - 25T	900x450	985x535	40	60	1090x640	75	25
DSMHCF 900x450 EHD	EHD - 40T	900x450	985x535	40	60	1090x640	75	25

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 900x600 ELD	ELD - 2.5T	900x600	985x685	30	45	1060x760	60	20
DSMHCF 900x600 LD	LD - 5T	900x600	985x685	30	45	1060x760	60	20
DSMHCF 900x600 MD	MD - 12.5T	900x600	985x685	30	45	1060x760	60	20
DSMHCF 900x600 HD	HD - 25T	900x600	985x685	40	65	1090x790	75	30
DSMHCF 900x600 EHD	EHD - 40T	900x600	985x685	40	65	1090x790	75	30

Code	BS EN 124 Loading Class	Clear Opening AxB (mm)	Cover Size CxD (mm)	Cover Thk. E (mm)	Cover Wt. (kg)	Frame Size FxG (mm)	Frame Thk. H (mm)	Frame Wt. (kg)
DSMHCF 900x1200 ELD	ELD - 2.5T	900x1200	990x1290	50	130	1110x1410	90	80
DSMHCF 900x1200 LD	LD - 5T	900x1200	990x1290	50	130	1110x1410	90	80
DSMHCF 900x1200 MD	MD - 12.5T	900x1200	990x1290	50	130	1110x1410	90	80
DSMHCF 900x1200 HD	HD - 25T	900x1200	990x1290	50	180	1110x1410	90	80
DSMHCF 900x1200 EHD	EHD - 40T	900x1200	990x1290	50	180	1110x1410	90	80

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