



Quality Product Isn't an Act, It's Our Habit

Why Choose Us?

With over 40 years of experience, JK Industries offers a diverse range of products featuring unparalleled size and exceptional load-bearing capacities, all tested to international quality standards.

Our commitment to innovation and engineering excellence is demonstrated through our state-of-the-art testing facilities, including the largest load testing machine capable of handling up to 90 tons.

Our Services



HIGH-TECH COMPOSITE
DEVELOPMENT



LASTING QUALITY
COMMITMENT



SUSTAINABLE PRODUCT
INTEGRATION



TAILORED DRAINAGE
SOLUTIONS

Choosing JK Industries means partnering with a company that prioritizes performance, safety, reliability, and long-term value in every solution we deliver.

**Need More
Information?**

+91 7600447776
+91 8849529641

jk@manholecover.in

www.manholecover.in



INDEX		PAGE NO.
1	COMPANY OVERVIEW, GLOBAL BUYERS	2-3
2	FACTORY, WHAREHOUSE, PRODUCTION,CERTIFICATES PRODUCT LIST	4-8
3	PROPERTIES, FEATURES & SPECIAL FEATURES OF FRP / GRP	9-10
4	LOAD TESTING, DO'S & DON'TS, APPLICABLE LOAD BEARING	11
5	SOLID TOP MANHOLE COVERS - SIZES	12
6	COMPARATIVE SOLID TOP MANHOLE COVERS V/S C.I / D.I COVER	13
7	COMPARATIVE SOLID TOP MANHOLE COVERS V/S CONCRETE COVER	14
8	SOLID TOP MANHOLE COVERS -SALIENT FEATURES & PICTURES	15
9	FRP / GRP / COMPOSITE MULTIPLE COVERS WITH FRAME	16
10	RECESS MANHOLE COVERS -SIZES	17
11	RECESS MANHOLE COVERS -SALIENT FEATURES & PICTURES	18
12	AIR & WATER TIGHT COVERS -SIZES	19
13	AIR & WATER TIGHT COVERS -SALIENT FEATURES & PICTURES	20
14	COMPARATIVE JK FRP GRATINGS IV/S M.S GRATING	21
15	GRATINGS SIZE CHART FOR 30MM & 40MM HT	22
16	GRATINGS - SALIENT FEATURES, APPLICATION & PICTURES	23
17	TREE GRATINGS -SALIENT FEATURES & PICTURES	24
18	WATER GULLY COVERS - SIZES	25
19	COMP. CHART JK FRP GULLY COVERS V/S C.I/D.I GULLY COVERS	26
20	WATER GULLY COVERS - SALIENT FEATURES, APPLICATION & PICTURES	27
21	HINGED OVERHEADS & UG WATER TANK COVERS	28
22	'L' ANGLE FEATURES	29
23	CHAMBERS	30
24	FRP / GRP DRAIN CHANNELS WITH GRATING / GULLY COVER	31-32
25	ADVANTAGES AND DISADVANTAGES OF FRP / GRP DRAIN CHANNELS	33
26	LIFTING ACCESSORIES	34
27	CONTACT US	35



Strength. Innovation. Reliability.
Manufacturing Excellence Since 1986

Company Overview

With a legacy spanning nearly four decades, **JK Industries** is a pioneer in the design and manufacture of **Fiber Reinforced Plastic (FRP) Manhole Covers and Drainage Solutions**. Our products are engineered to deliver the highest standards of **durability, safety, and performance**.

Headquartered in **Ahmedabad, India**, our manufacturing facility spans **1,60,000 sq. ft.**, including **40,000 sq. ft. of covered production space**. Equipped with cutting-edge technology, in-house **R&D**, and a rigorous **quality control system**, we ensure that every product meets international standards of excellence.

What We Manufacture

All our products are made from advanced FRP composites—lightweight, corrosion-resistant, and built for extreme strength, ideal for modern infrastructure:

- Solid Top FRP Manhole Covers
- Recess FRP Manhole Covers
- Air & Water Tight Covers
- Multiple Covers with Frame
- FRP Water Gully & Tank Covers
- Gratings, L-Angles & Drain Channels
- Complete Chamber Solutions for Sewerage, Electrical & Telecom Networks

**Manufacturing
facility spans
1,60,000 sq. ft**



**Production
space spans
40,000 sq. ft**



**Equipped with
cutting-edge
technology**



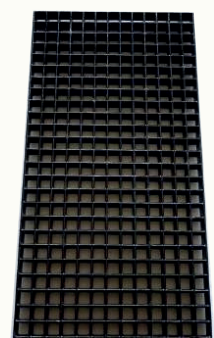
JK FRP / GRP / Composite
Manhole covers



JK FRP / GRP / Composite
Manhole covers



JK RECESS
Manhole covers



JK FRP / GRP /
GRATING



Why Global Buyers & Distributors Trust Us

- **Since 1986:** Trusted legacy in quality and performance
- **29+ Export Countries:** Including UAE, Kenya, Oman, Qatar, Sweden, Bahrain, Tanzania, and more
- **Pan-India Presence:** Robust distribution and support across all Indian states
- **FRP-Only Focus:** Specialization that ensures unmatched strength-to-weight ratio
- **Project Proven:** Used in major Smart City, Metro, Highway, and Utility projects
- **Certified Excellence:** Products tested as per BS EN 124, IS 1726, BS 4994, AASHTO, and validated by third-party agencies
- **Strong Workforce:** 250+ skilled professionals in production, sales, and technical support

Delivering to the World

Our trusted FRP solutions are widely used in:



UAE



Qatar



Bahrain



Kenya



Tanzania



Uganda



Oman



Sweden



Nepal



Bhutan

and many more...

Join Hands with a Trusted Partner

Whether you're a distributor, government contractor, infrastructure developer, or project consultant, JK Industries is your one-stop destination for high-performance FRP-based manhole and drainage solutions.

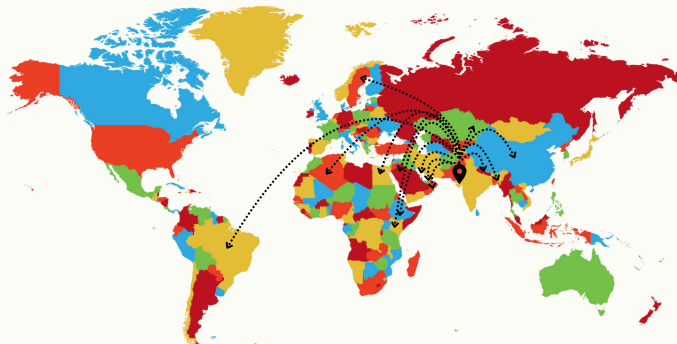
Contact Us: CEO: Mr. Karan Gadhvi
☎ +91 7600447776

Sales Executives:
☎ +91 8849529641
☎ +91 8866600776

Customer Care:
☎ +91 8801880175

Accounts:
☎ +91 8801880174

✉ Email: jk@manholecover.in 🌐 Website: www.manholecover.in





OUR FACTORY





WHAREHOUSE AREA





PRODUCTION AREA

Manufacturing
facility spans
1,60,000 sq. ft

Production
upto
90 Ton





ISO CERTIFICATE

Certificate of Registration

This is to Certify that
Quality Management System of

JK INDUSTRIES

UNIT NO. 92, SHREENATH INDUSTRIAL ESTATE, OPP. ATRAY ELEGANCE
FLATS, NR. RANSAN TOLL PLAZA, NANA CHILODA, AHMEDABAD - 382330,
GUJARAT, INDIA.

has been assessed and found to conform to the requirements of
ISO 9001:2015
for the following scope :

MANUFACTURE, SUPPLY & EXPORTER OF VARIOUS TYPES OF MANHOLE
COVERS, SANITARY WARES & DOORS.

IAF CODE : 14

Certificate No : **23EQMP31** Issuance Date : 29/12/2023
Initial Registration Date : 29/12/2023
Date of Expiry : 28/12/2026
1st Surv. Due : 29/11/2024 2nd Surv. Due : 29/11/2025

Director

EGAC Accredited
QMS Certification
CAR # 012236

IAF
MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT

Assurance Quality Certification LLC
Head Office: Sharjah Media City, SHAMS, Sharjah, UAE, e-mail: info@aqcworld.com
Key Locations: A-60, Sector - 2, Noida, Uttar Pradesh, 201301, India.
Validity of the certificate is subject to successful completion of surveillance audits on or before of due date. On case surveillance audits is not allowed to be conducted, this certificate shall be suspended/terminated.
Certificate Verification: Please check the validity of certificate at <http://www.aqcworld.com/certificateverification.aspx> or www.aqcworld.com or info@aqcworld.com or info@aqcworld.com

ISO 9001:2015

GST CERTIFICATE

(Amended)

Government of India
Form GST REG-06
[See Rule 10(1)]

Registration Certificate

Registration Number : 24AGMPK6979L1ZK

1. Legal Name	ISHWAR KHODIDAS KHIMANI			
2. Trade Name, if any	JK INDUSTRIES			
3. Constitution of Business	Proprietorship			
4. Address of Principal Place of Business	SHED UNIT NO. 92, SHREENATH INDUSTRIAL ESTATE, BLOCK NO. 127, NANA CHILODA RAILWAY CROSSING, RANASAN, Gandhinagar, Gujarat, 382428			
5. Date of Liability	01/07/2017			
6. Date of Validity	From	01/07/2017	To	Not Applicable
7. Type of Registration	Regular			
8. Particulars of Approving Authority	Gujarat Goods and Services Tax Act, 2017			
Signature				
Name	ASHOK BAHECHAR ASARI			
Designation	Assistant Commissioner			
Jurisdictional Office	Ghatk 20 (Ahmedabad)			
9. Date of issue of Certificate	09/07/2019			

Note: The registration certificate is required to be prominently displayed at all places of Business/Office(s) in the State.

Import/Export CERTIFICATE

सत्यमेव जयते

Government of India / भारत सरकार

Ministry of Commerce and Industry / वाणिज्य और उद्योग मंत्रालय
Directorate General of Foreign Trade / विदेश व्यापार महानिदेशालय
Office of the Additional Director General of Foreign Trade, Ahmedabad / अपर महानिदेशक, विदेश व्यापार का कार्यालय, अहमदाबाद

3rd Floor, HUDCO Bhavan, Ishwar Bhuvan Road, Navrangpura, AHMEDABAD, GUJARAT, 380009 / तीसरी मंजिल, हुडको भवन, ईश्वर भवन रोड, नवरंगपुरा, अहमदाबाद, गुजरात, 380009

Importer-Exporter Code

This is to certify that **JK INDUSTRIES** is issued an Importer-Exporter Code (IEC) **AGMPK6979L** with details as follows -

IEC	AGMPK6979L
स्थाई खाता सं. (पैन) / PAN	AGMPK6979L
फर्म का नाम / Firm Name	JK INDUSTRIES
निगम की प्रकृति / Nature of Concern	Proprietorship
जारी करने की तारीख / Date of Issue	23/09/2019
पता / Registered Address	SHED 92 SHREENATH INDUSTRIAL ESTATE, BLOCK 127 NANA CHILODA RAILWAY CROSSING RANASAN, GANDHINAGAR, GANDHINAGAR, GUJARAT, 382428
धारक का नाम / Name of the Signatory	Ishwar Khodidas Khimani
Director / Partner Details	Refer online at https://dgft.gov.in or scan the QR Code
शाखा/इकाई / Branch Details	Refer online at https://dgft.gov.in or scan the QR Code

Last Modified : 14/01/2025
File Number : AHDIECPAMEND00020506AM25

MSME/UDHYAM CERTIFICATE

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises

UDYAM
REGISTRATION CERTIFICATE

Our small hands to make you LARGE

UDYAM REGISTRATION NUMBER	UDYAM-GJ-01-0113918				
NAME OF ENTERPRISE	JK INDUSTRIES				
TYPE OF ENTERPRISE *	MICRO				
MAJOR ACTIVITY	MANUFACTURING				
SOCIAL CATEGORY OF ENTREPRENEUR	GENERAL				
NAME OF UNIT(S)	S.No.	Udyog Aadhaar Memorandum	Unit(s) Name		
	1	GJ0900001951	JK INDUSTRIES		
OFFICIAL ADDRESS OF ENTERPRISE	Flat/Door/Block No.	SHED NO. 92	Name of Premises/ Building	SHREENATH INDUSTRIAL ESTATE	
	Village/Town	RANASAN	Block	OPP. RAILWAY CROSSING	
	Road/Street/Lane	SP KENG ROAD	City	GANDHINAGAR	
	State	GUJARAT	District	AHMEDABAD, Pin 382330	
	Mobile	953711415	Email:	ishwar.khimani72@gmail.com	
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	21/12/2016				
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS	21/12/2016				
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	S.No.	MSIC 2 Digit	MSIC 4 Digit	MSIC 5 Digit	Activity
	1	25	251	2519	Manufacture of other fabricated metal products n.e.c.
DATE OF UDYAM REGISTRATION	16/11/2021				

* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the MSME.

Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing: 20/11/2021

For any assistance, you may contact:

1. District Industries Centre: AHMEDABAD (GUJARAT)

2. MSME-DI: AHMEDABAD (GUJARAT)

Visit : www.msme.gov.in ; www.dcmsme.gov.in ; www.champions.gov.in

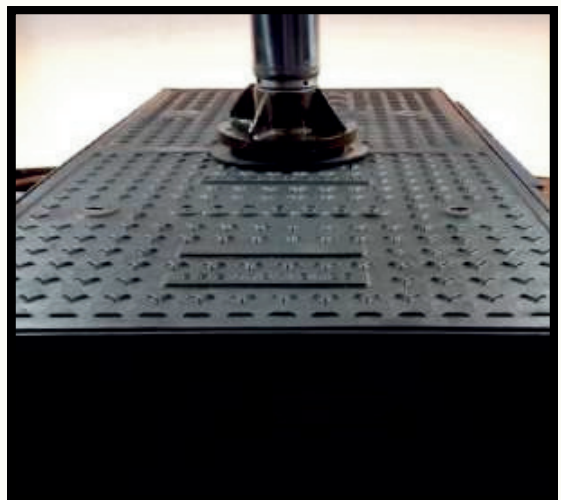
Follow us @minmsme & @msmechampions

BE A CHAMPION
with the
Ministry of
MSME



PRODUCT LIST

- Solid top manhole covers with frame
- Multiple covers with frame
- Recess manhole cover sizes
- Air and watertight covers with frame
- Gratings
- Water Gully Cover
- Drain channels with grating/gully cover
- Tree gratings
- L angle
- Hinged overhead and u.g. Water tank covers
- Chambers
- Lifting accessories



IN-HOUSE CNC MACHINING SHOP

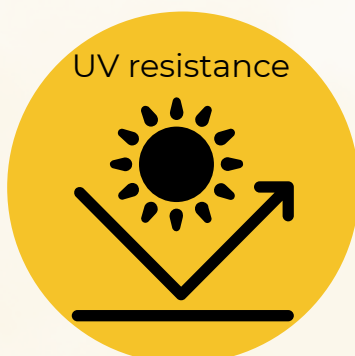


PROPERTIES OF FRP / GRP

- FRP as a material is **resistant** to sunlight, water, chemical water, sewerage water.
- UV stabilizer is added to the raw material to impart **UV resistance**.
- FRP has **high impact resistance** as it is flexible and not brittle. Hence, in case of excess load bearing, the FRP covers/gratings do not disintegrate into pieces like Cast Iron or Ductile Iron.
- The strength to weight ratio in FRP is much higher than other materials. Hence, the **strength is higher even with lesser weight** of FRP.
- During manufacturing, FRP cures at a self exothermic temperature of **1750C**.
- FRP is a thermoset material (non reversible and cannot be melted) and not a thermo plastic (reversible and can be melted). Hence, the non reprocessability **protects** it from **theft and extreme sunlight** does not soften the material.
- FRP is a suitable material under **extreme hot and cold** conditions.
- FRP can be destroyed by burning in **incinerator**.

FEATURES OF JK FRP / GRP / COMPOSITE MANHOLE COVERS

- Due to **non presence** of metal or any other reprocessible material in the cover, our covers are not prone to theft.
- Top 7mm surface is a high **abrasion** surface.
- All JK covers are available with **double seal** arrangement.
- **The lifting area i.e., the rod type lifting or key hole type (High Strength Plastic Alloy / Stainless Steel - socket type) is closed from the bottom. Hence, it does not allow mosquito breeding in the chambers.**





- JK FRP Manhole Covers are available in standard granite finish and are also available in any other colour specified by client.
- All JK Covers are self pigmented and hence, does not require painting. However, if wanted they can be painted.
- All JK products are UV stabilized and hence, there is no effect of sunlight.
- Due to poor heat transfer properties of FRP, FRP Covers do not absorb heat and remains at normal temperature under sunlight. Hence, it is convenient to handle JK FRP Manhole Covers under extreme hot conditions.
- As the FRP Manhole Covers are flexible and do not disintegrate into pieces due to excess load bearing imparted on the cover, accidents on roads are avoided as the chambers are not left open even in case of cracking of cover.

SPECIAL FEATURES

- All lifting keyholes are bottom closed. This does not allow foul smell to emanate from the Chamber & does not allow foreign particles to enter the Chamber.
- All Manhole Covers are **double seal type**.
- All lifting key holes have **High Strength Plastic Alloy / Stainless Steel** sockets. This does not allow the FRP to get damaged around the key holes due to multiple lifting operations. Please find attached picture of the key hole showing the condition of the keyhole area without insert & condition of "JK" keyhole area with insert.



Condition of the socket type keyhole lifting arrangement of JK FRP manhole covers.



Condition of the Regular keyhole lifting arrangement of other make FRP manhole covers.

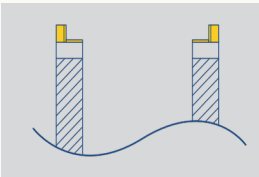
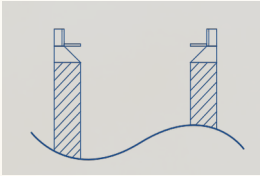


LOAD TESTING

JK FRP / GRP / COMPOSITE products are tested for 2.5 tons, 5 tons, B125 (12.5 tons), C250 (25tons), D400 (40 tons), E600 (60 tons) and F900 (90 Tons) class load bearing and permanent set as per BS EN 124, IS 1726 and AASHTO BS EN 124 is a testing code worldwide for Manhole Covers in cast iron, ductile iron and other Materials also Permanent Set is a multiple loading test to determine the permanent deformation in cover after multiple loading within a short time as specified in the code.



DO'S & DON'TS

Installation		Handling	
Do's	Don't's	Do's	Don't's
			
Correct installation of frame with complete civil support	Load on the frame to be applied only after grouting is completed	Handle with care	Do not throw the material

APPLICABLE LOAD BEARING

Group	Class	Load	Installation Areas	Example	Group	Class	Load	Installation Areas	Example
	F900	90 Ton (900KN)	Areas imposing high wheel loads	Airports		C250	90 Ton (900KN)	Areas imposing high wheel loads	Kerbside parking areas
	F600	60 Ton (600KN)	Areas imposing high wheel loads	Sea ports		B125	12.5 Ton (125KN)	Footways, pedestrian areas and areas with light duty	Parking areas for cars only
	F400	40 Ton (400KN)	Carriageway of roads (including pedestrian ways) and parking areas for all types of road vehicles	Roadways and vehicle traffic		A15	2.5 Ton (15KN)	Areas which can only be used by pedestrian and pedal cyclists	Bicycle ways, pedestrian ways



SOLID TOP MANHOLE COVERS - SIZES

JK FRP / GRP / COMPOSITE SOLID TOP MANHOLE COVERS WITH FRAME	
Sr. No.	FRAME OPENING SIZE
	CIRCULAR
1	400 mm (16")
2	450 mm (17")
3	500 mm (20")
4	600 mm (24")
5	690 mm (27")
6	762 mm (30")
7	900 mm (36")
8	1000 mm (40")
9	1400 mm (55") (2 covers with single frame)
	RECTANGULAR
10	600 mm x 450 mm (24"x18")
11	900 mm x 450 mm (36"x18")
12	900 mm x 600 mm (36"x24")
13	990 mm x 1220 mm (40"x49")
14	1000 mm (40")
	SQUARE
15	300 mm x 300 mm (12"x12")
16	450 mm x 450 mm (18"x18")
17	600 mm x 600 mm (24"x24")
18	675 mm x 675 mm (27" x 27")
19	750 mm x 750 mm (29"x 29")
20	900 mm x 900 mm (36"x 36")
21	1000 mm x 1000 mm (40"x 40")
22	1200 mm x 1200 mm (48"x 48")
23	1500 mm x 1500 mm (60"x 60")

JK FRP / GRP / Composite Manhole covers



V S

CAST IRON / DUCTILE IRON Manhole covers



High Strength to Weight Ratio



No scrap Value hence no Theft



Light weight - Easy to Handle



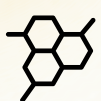
Material Has High Impact Resistance Hence doesn't crack on Impact



Corrosion Resistant. No effect of Sea/Sewage Water



High Aesthetic Value, Available in Granite Finish or any desired Color



Self pigmented, no painting required



Less Freight & Handling Cost, Due to less weight



No Extra GRP Plate is required to protect from Corrosion



Low strength to weight Ratio



High Risk of Theft



Heavy - Needs Manpower



Material is brittle Hence cracks easily on Impact



Gets Corroded by effect of Sea/Sewage Water



Standard Appearance



Painting required at Regular Intervals



High Freight & Handling Cost, Due to more weight



Extra GRP Plate is required to protect from Corrosion



JK FRP / GRP / Composite Manhole covers



V S

CONCRETE MANHOLE COVERS



High Strength To Weight Ratio



No Steel Content, No Resale
Value, Hence No Theft



Light Weight - Easy To Handle



Material Has High Impact
Resistance Hence doesn't crack
on Impact



Long Life (20-30 Years)



Excellent Abrasion Resistance



No Erosion Due To Rain Water,
And Moving Vehicles



No Effect Of Sewage Water &
Chemical Water



No Environmental Degradation



Low Strength To Weight Ratio



Theft Happens Due To
Presence Of Steel Internally



Heavy - Needs More Manpower



Material is brittle Hence cracks
easily on Impact



Short Life (2-3 Years)



Poor Abrasion Resistance



Gets Eroded Due To Rain Water,
And Moving Vehicles.



Poor Resistance To Sewage
Water & Chemical Water



High Environmental
Degradation





PROPERTIES OF SOLID TOP MANHOLE COVERS

MATERIAL: FRP/GRP/COMPOSITE MATERIAL

JK multiple covers with frame are tested as per BS EN 124, IS1726 & AASHTO M306 standards for drainage and Utility services meeting all requirements of the code. JK Covers are better performing than Cast Iron, Ductile Iron and RCC manhole covers.

SALIENT FEATURES

Load Bearing capacity range: 2.5T (2.5 Tons) to F900 (90 Tons)

Shapes: Circular, square and rectangular shapes available

Seal: Double seal arrangements

- Self pigmented/non painted.



- Non brittle



- All covers can be provided with key locking or bolt locking arrangement.

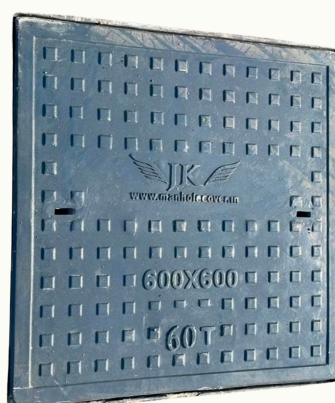
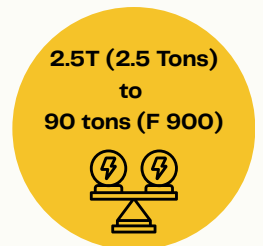


- All lifting keyholes are in High Strength Plastic Alloy / Stainless Steel, socket type to avoid wear & tear in the lifting area.

- All keyholes have closed bottom (not through & through).



- Permanent set is zero in all sizes & load bearing.





FRP / GRP / COMPOSITE MULTIPLE COVERS WITH FRAME

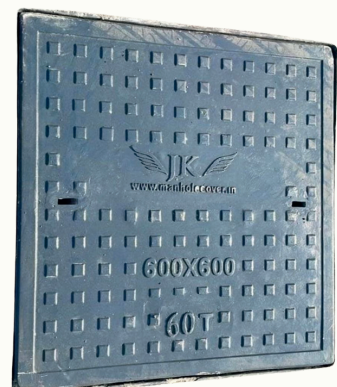
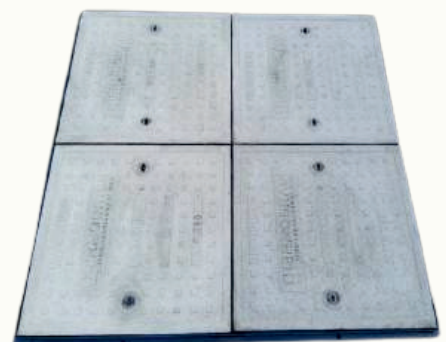
With a better performance than Cast Iron, Ductile Iron and RCC manhole covers, this product is an industrial revolution. They have been thoroughly tested as per BS EN 124, IS 1726 & AASHTO M306 standards for drainage and utility services. The entire product with FRP / M. S frame is designed and manufactured to the existing chamber size.

SALIENT FEATURES

Load Bearing capacity range: 2.5 tons to 90 tons (F 900).

- All lifting keyholes are in High Strength Plastic Alloy / Stainless Steel, socket type to avoid wear & tear in the lifting area.
- All keyholes have closed bottom (not thru & thru). 
- If required the covers are made available with bolt locking arrangement.
- Permanent set is zero in all sizes & load bearing.
- Self pigmented/non painted. 
- Non brittle
- Ideal for odd size chambers. 
- The frames are M.S epoxy painted with removable supports.

2.5T (2.5 Tons)
to
90 tons (F 900)





RECESS MANHOLE COVERS - SIZES

JK GRP/FRP/COMPOSITE RECESS MANHOLE COVERS WITH FRAME	
Sr. No.	FRAME OPENING SIZE
	CIRCULAR
1	500 mm (20")
2	600 mm (24")
3	690 mm (27")
4	762 mm (30")
5	900 mm (36")
6	1000 mm (40")
	RECTANGULAR
7	600 mm x 450 mm (24"x18")
8	900 mm x 450 mm (36"x18")
9	900 mm x 600 mm (36"x24")
10	990 mm x 1220 mm (40"x49")
	SQUARE
11	300 mm x 300 mm (12"x12")
12	450 mm x 450 mm (18"x18")
13	600 mm x 600 mm (24"x24")
14	750 mm x 750 mm (29"x 29")
15	900 mm x 900 mm (36"x 36")
16	1000 mm x 1000 mm (40"x 40")
17	1200 mm x 1200 mm (48"x 48")



JK RECESS MANHOLE COVERS

MATERIAL: FRP/GRP/COMPOSITE MATERIAL

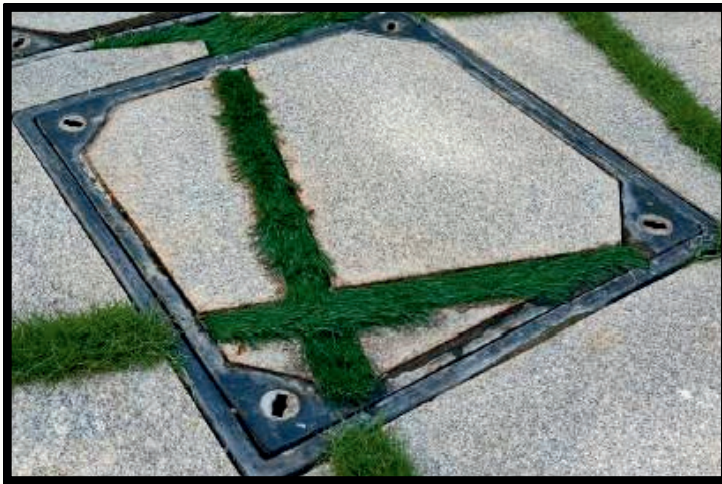
JK recess covers with frame are tested as per BS EN 124, IS1726 & AASHTO M306 standards for drainage and Utility services meeting all requirements of the code. JK Covers are better performing than Cast Iron, Ductile Iron and RCC recess covers.

SALIENT FEATURES

- **Load Bearing capacity range:** 2.5T (2.5 Tons) to D400 (40 Tons)
- **Shapes:** Circular, square and rectangular shapes available
- **Seal:** Double seal arrangements

- Lighter and easier to use 
- Superior to conventional materials 
- 65 mm height is provided for fixing of cement, blocks, tiles or other materials.
- Permanent set is zero in all sizes & load bearing.
- All keyholes have closed bottom (not through & through). 

2.5T (2.5 Tons)
to
D400 (40 Tons)





AIR AND WATER TIGHT COVERS - SIZES

JK FRP / GRP / AIR AND WATER TIGHT COVER - SIZES	
Sr. No.	FRAME OPENING SIZE
	CIRCULAR
1	500 mm (20")
2	450 mm (17")
3	500 mm (20")
4	600 mm (24")
5	690 mm (27")
6	762 mm (30")
7	900 mm (36")
8	1000 mm (40")
	RECTANGULAR
9	600 mm x 450 mm (24"x18")
10	900 mm x 450 mm (36"x18")
11	900 mm x 600 mm (36"x24")
12	990 mm x 1220 mm (40"x49")
	SQUARE
13	300 mm x 300 mm (12"x12")
14	450 mm x 450 mm (18"x18")
15	600 mm x 600 mm (24"x24")
16	750 mm x 750 mm (29"x 29")
17	900 mm x 900 mm (36"x 36") (2 covers with single frame)
18	1000 mm x 1000 mm (40"x 40")
19	1200 mm x 1200 mm (48"x 48")
20	1500 mm x 1500 mm (60"x 60")



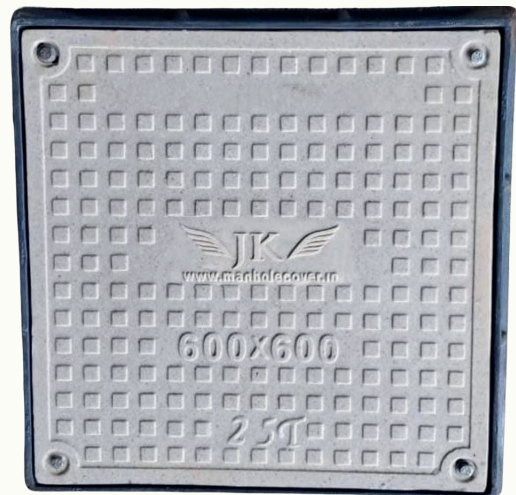
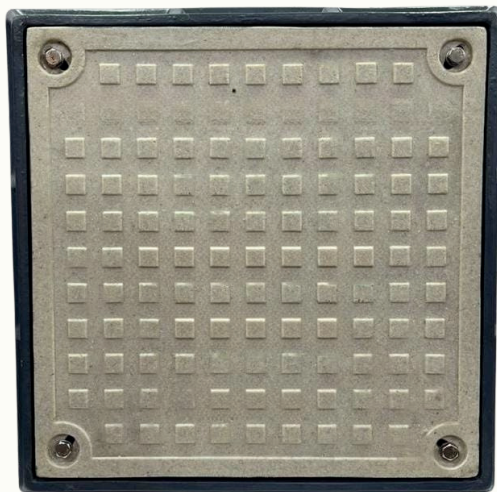
JK AIR AND WATER TIGHT COVERS

MATERIAL: FRP/GRP/COMPOSITE MATERIAL

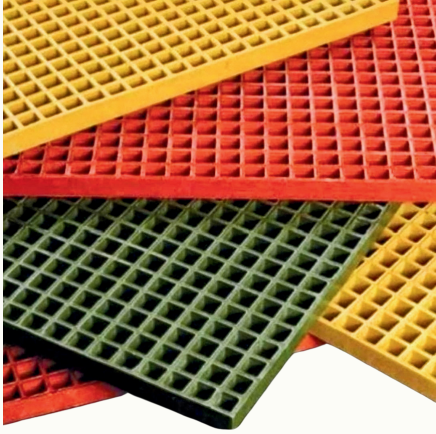
JK Air and Water Tight Covers are tested as per BS EN 124, IS1726 & AASHTO M306 standards for drainage and Utility services meeting all requirements of the code. JK Covers are better performing than Cast Iron, Ductile Iron and RCC manhole covers.

SALIENT FEATURES

- **Load Bearing capacity range:** 2.5T (2.5 Tons) to F900 (90 Tons)
- **Shapes:** Circular, square and rectangular shapes available
- **Seal:** Double seal arrangements
 - JK Air and Water Tight covers are available without bolting 
 - Covers are available with locally found replaceable gasket in case of damage
 - No foul smell or seepage 

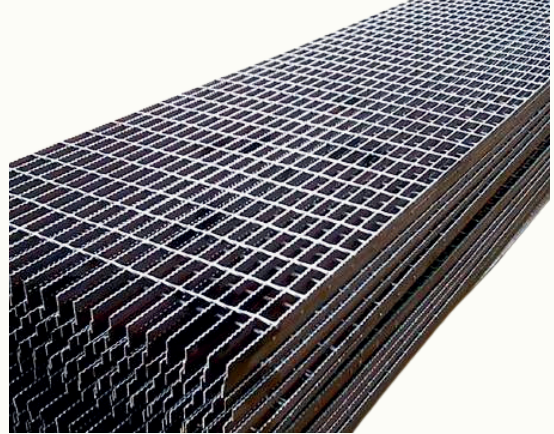


JK FRP / GRP / GRATING



V S

MILD STEEL GRATINGS



High Strength To Weight Ratio
No Scrap Value Hence No Theft
Light Weight – Easy To Handle



Material Has High Impact
Resistance Hence



Doesn't Permanently Bend Due
To Moving Vehicles



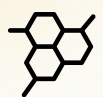
Corrosion Resistant, No Effect
of Sea / Sewage Water



No Algae Formation



High Aesthetic Value, Available
In Dark Grey or Any Desired
Color



Self Pigmented. No Painting
Required



Less Freight & Handling Cost,
Due to Less Weight



No Maintenance Required



Low Strength To Weight Ratio
High Risk of Theft



Heavy Needs More Manpower



Material Permanently Bends
Due To Moving Vehicles



Gets Corroded By Sewage &
Sea Water



Algae is Easily Formed Over
Metal Surface



Standard Appearance



Painting required at Regular
Intervals



High Freight & Handling Cost,
Due to more weight



Painting Required Periodicaly
To Save From Rusting





SIZES OF GRATINGS

30mm & 40mm HEIGHT GRATING

48	1279
88	1319
128	1359
167	1399
207	1438
247	1478
286	1518
326	1557
366	1597
406	1637
445	1677
485	1716
525	1756
564	1796
604	1836
644	1875
684	1914
723	1955
763	1993
803	2034
843	2074
882	2114
922	2154
962	2194
1001	2234
1041	2273
1081	2314
1121	2353
1160	2393
1200	2340
1240	



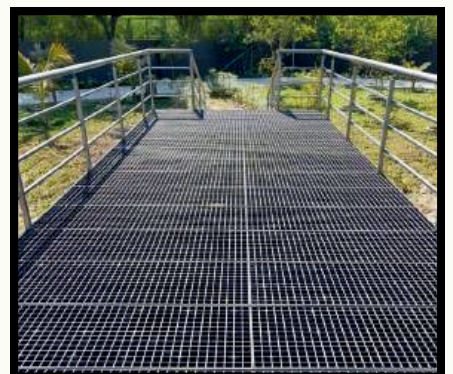
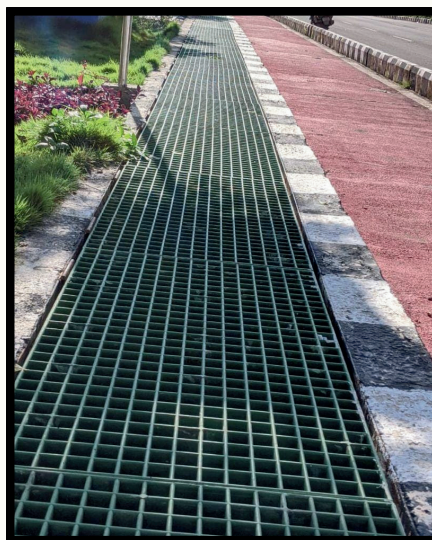
JK GRATINGS

SALIENT FEATURES:

- ZERO filler content. Hence, there are no air pockets and it does not require painting or coating.
- High impact resistance compared to gratings with filler content 
- Self pigmented - Not painted 
- One piece moulded jointless (Interwoven construction)

AREAS OF APPLICATION:

- Swimming Pool
- Industrial Plants
- Podiums
- Basement Car Park
- Storm water drain trenches
- Cable trenches





TREE GRATINGS

SALIENT FEATURES:

- Tree Gratings are **self pigmented**, non painted. 
- Tree Gratings are available in two piece or four piece for **ease of installation**. 
- Tree Gratings protect the soil and allow pedestrians to walk near the tree **without compacting** the soil. 
- Tree Gratings allow the rain water to **penetrate** the soil. 
- Tree Gratings improve the **landscaping** and **aesthetics** of the surrounding with its **artistic design**. 





WATER GULLY COVERS - SIZES

JK GRP/FRP WATER GULLY COVERS (WITH / WITHOUT FRAME)		
Sr. No.	FRAME CLEAR OPENING & COVER OUT TO OUT SIZE	
RECTANGULAR		
1	Frame Clear opening Cover Out to Out	640 mm x 240 mm
2	Frame Clear opening Cover Out to Out	385 mm x 317 mm
3	Frame Clear opening Cover Out to Out	500 mm x 600 mm
4	Frame Clear opening Cover Out to Out	900 mm x 600 mm
5	Frame Clear opening Cover Out to Out	450 mm x 450 mm
6	Frame Clear opening Cover Out to Out	600 mm x 600 mm
7	Frame Clear opening Cover Out to Out	750 mm x 750 mm
8	Frame Clear opening Cover Out to Out	900 mm x 900 mm
SQUARE		
1	Frame Clear opening Cover Out to Out	300 mm x 300 mm
2	Frame Clear opening Cover Out to Out	450 mm x 450 mm
3	Frame Clear opening Cover Out to Out	600 mm x 600 mm
4	Frame Clear opening Cover Out to Out	750 mm x 700 mm
5	Frame Clear opening Cover Out to Out	900 mm x 900 mm

JK FRP/GRP/COMPOSITE WATER GULLY COVERS



V S

CAST IRON / DUCTILE IRON WATER GULLY COVERS



High Strength To Weight Ratio
No Scrap Value Hence No Theft



Light Weight – Easy To Handle



Material Has High Impact
Resistance Hence Doesn't
Permanently Bend Due To
Moving Vehicles



Corrosion Resistant, No Effect
of Sea / Sewage Water



High Aesthetic Value,
Available In Dark Grey or Any
Desired Color



Self Pigmented. No Painting
Required



Less Freight & Handling Cost,
Due To Less Weight No
Maintenance Required



Not Prone To Accident, As FRP
Is Not Brittle, Hence It Does
Not Collapse In The Chamber
Due To Overload



Low Strength To Weight Ratio
High Risk of Theft



Heavy Needs More Manpower



Material Is Brittle Hence Easily
Cracks On Impact



Gets Corroded By Sewage &
Sea Water Algae Is Easily
Formed Over Metal Surface



Standard Appearance



Painting Required at Regular
Intervals



High Freight & Handling Cost,
Due to more weight



Prone To Accident, As Material
Is Brittle, Hence
It Collapses In The Chamber
Due To Overload





WATER GULLY COVERS

MATERIAL: FRP/GRP/COMPOSITE MATERIAL

JK Water Gully Covers are tested as per BS EN 124, IS1726 & AASHTO M306 standards for drainage and Utility services meeting all requirements of the code. JK Water Gully Covers are better performing than Cast Iron, Ductile Iron and RCC manhole covers.

SALIENT FEATURES

Load Bearing capacity range: 2.5T (2.5 Tons) to E600 (60 Tons)

Sizes: Available in all standard sizes. Please find all sizes available on the previous page.

- Permanent set is zero in all sizes and load bearings.

- Self Pigmented / Non Painted

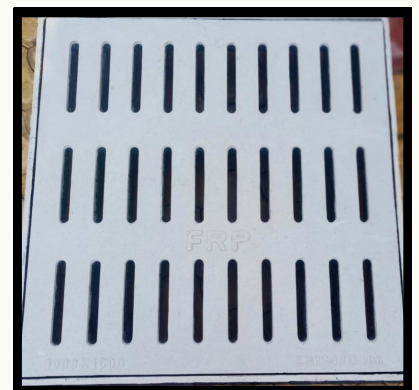


- Minimum opening is more than 30% of clear opening size for smooth flow of water.



AREAS OF APPLICATIONS

- Industrial Plants
- Basement Car Park
- Podiums
- Storm Water Drain Trenches





HINGED OVERHEAD AND U.G. WATER TANK COVERS

MATERIAL: FRP/GRP/COMPOSITE MATERIAL JK Water Tank Covers are tested as per BS EN 124. JK Water Tank Covers are better performing than Cast Iron, Ductile Iron and RCC manhole covers.

Load Bearing capacity range: 500 kgs for Overhead Application

2.5 Tons - 60 Tons (E600) for Underground applications

Shapes: Circular, square and rectangular shapes available

Seal: Single seal arrangements

- Covers have a provision for gasket fitting.
- Self Pigmented / Non Painted 
- 550kg covers have a provision for locking as a standard feature.
- Moss and algae formation do not happen in our covers. 



OVERHEAD WATER TANK COVERS - CHART

JK FRP/GRP/COMPOSITE WATER TANK COVERS WITH FRAME (180 degree opening with hinge & locking arrangement)

Sr. No.	FRAME OPENING SIZE
1	600 mm (24")
2	600 mm x 600 mm (24"x 24") 750 mm (30")
3	750 mm (30")
4	750 mm x 750 mm (30"x 30")

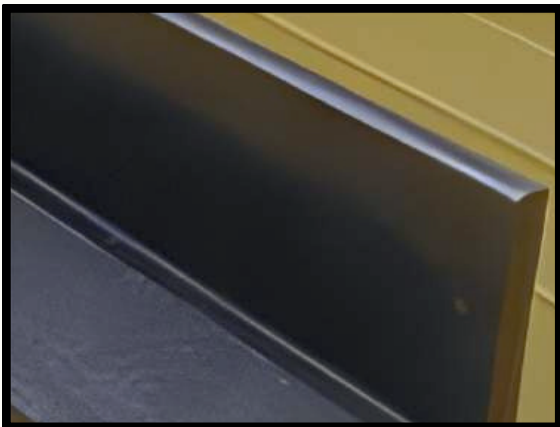




JK L ANGLE

KEY ADVANTAGES OF FRP/GRP L ANGLE

- Corrosion resistance 
- Self Pigmented, no painting required 
- Chemical resistance 
- Non-conductivity (thermally and electrically) 
- Having non-magnetic electromagnetic transparency
- lightweight 
- High-strength & durability 
- Impact resistant 
- Dimensional stability 
- A long life cycle 
- Low-maintenance 





JK CHAMBERS

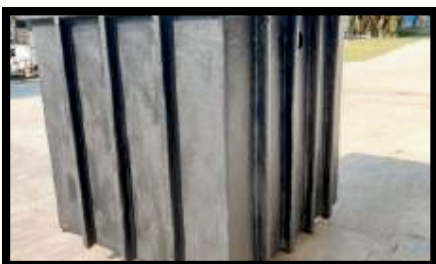
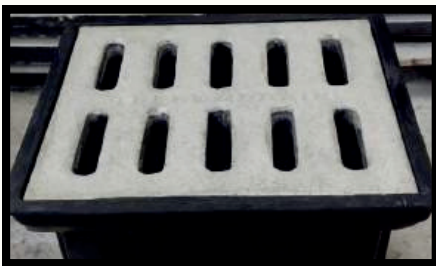
SPECIFICATIONS

- High strength chambers made out of specially prepared resin.
- UV Stabilised 
- Can take any type of traffic load
- Load tested up to 60 Tons 
- Can withstand earth vibrations due to traffic 
- Tested as per ASTM D 3753 & IS 12592-2008 standards



ADVANTAGES OF JK CHAMBERS

- 100% Corrosion Free. 
- Can be readily mounted by digging the Earth, making the concrete at the bottom & fixing it.
- Completely leak proof. 
- All sizes are available. 
- JK FRP Chambers are relocatable. 
- Can also be used as Inspection Chambers.





FRP/GRP DRAIN CHANNELS WITH GRATING / GULLY COVER

Method Of Installation Of JK (1 Piece Type) For Surface Drainage For Exterior And Basements (recommended For Short Length Upto 30 Mtrs)

STEP 1 - Prepare a trench of 200 mm extra width than the drain channel width.

STEP 2 - Before laying the Drain channel, check the compactness of the soil and ensure that its compact enough and will not sink due to the load that will be eventually applied on the Grating (refer your civil or soil consultant). In case the soil is found to not take the load than you may create a concrete bed to resist the load with the slope of 1 mm/mtr. for water to flow by gravity.

STEP 3 - Once the concrete/mud bed is ready, you may place the Drain channel in position. The channel installation is to begin from the starting point and proceed towards the exit point.

STEP 4 - You may apply the Silicone sealant on the step given in the channel for joining with the connecting channel or Bend or Tee or Four way Tee. On applying the sealant you may place the connecting piece on the step and continue to place the further connecting pieces in the same manner.

STEP 5 - The connectors like the 90 deg. Bend, Tee and Fourway Tee are to be used as and where required depending on the layout of your site.

STEP 6 - You may refill the empty space around the channel network with the concrete and soil (As shown in the drawing) and do the required compaction and bring it to the level of the installed grating. Once the filling is completed and cured you may clean the drain channel and you may place the gratings/ Gully covers on the channel network.

Method Of Installation Of JK (2 Piece Type) For Surface Drainage For Exterior And Basements (recommended For Short & Long Lengths)

STEP 1 - Prepare a trench of 200 mm extra width than the drain channel width.

STEP 2 - Before laying the Drain channel, check the compactness of the soil and ensure that its compact enough and will not sink due to the load that will be eventually applied on the Grating (refer your civil or soil consultant). In case the soil is found to not take the load than you may create a concrete bed to resist the load with the slope of 1 mm/mtr. for water to flow by gravity.

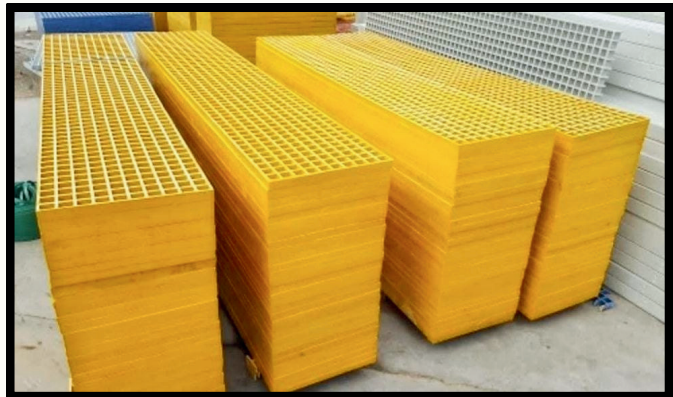
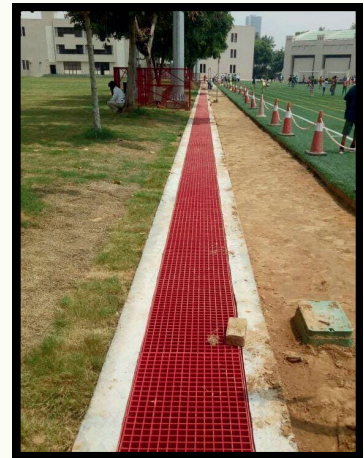
STEP 3 - Once the concrete/mud bed is ready, you may place the Drain channel in position. The channel installation is to begin from the starting point and proceed towards the exit point.

STEP 4 - You may apply the Silicone sealant on the step given in the channel for joining with the connecting channel or Bend or Tee or Four way Tee. On applying the sealant you may place the connecting piece on the step and continue to place the further connecting pieces in the same manner.



STEP 5 - The connectors like the 90 deg. Bend, Tee and Fourway Tee are to be used as and where required depending on the layout of your site.

STEP 6 - You may refill the empty space around the channel network with the concrete and soil (As shown in the drawing) and do the required compaction and bring it to the level of the installed grating. Once the filling is completed and cured you may clean the drain channel and you may place the gratings/ Gully covers on the channel network.



JK FRP/GRP/COMPOSITE DRAIN CHANNEL WITH GRATING / GULLY COVER

Sr. No.	OUT TO OUT DRAIN CHANNEL SIZE
1	128 mm(w) x 155 mm(ht.) x 1000 mm(lt.)
2	167 mm(w) x 155 mm(ht.) x 1000 mm(lt.)
3	326 mm(w) x 300 mm(ht.) x 1000 mm(lt.)
4	525 mm(w) x 300 mm(ht.) x 1000 mm(lt.)



ADVANTAGES OF FRP/GRP DRAIN CHANNELS

- Blocks site space for **minimum time**
- Quick to install as the **channel** is only to be laid as per **manual**.
- **Minimum manpower** is required.
- **Very low labour** cost is incurred for installation.
- Installation is **fast and simple** and not dependent on huge manpower availability.
- **No water proofing** is required.
- **Separate MS/FRP angles are not required** for placement of Gratings/Gully covers
- **No hidden cost** during installation of channels.

DISADVANTAGES OF CEMENT / CONCRETE DRAIN CHANNELS

- Site **remains blocked** due to larger preparation time of cement drains
- **Long installation time** as large amount of civil work is required.
- **Huge manpower** is required for civil work.
- **Very high labour cost** is incurred for drain preparation.
- Preparation of drain channel is **slow** as it is highly dependent on manpower availability.
- **Water proofing** is to be done.
- **Separate MS/FRP angles** are required for placements of Gratings/Gully covers.
- There is **hidden cost** during making of drain channels as it is labour oriented.



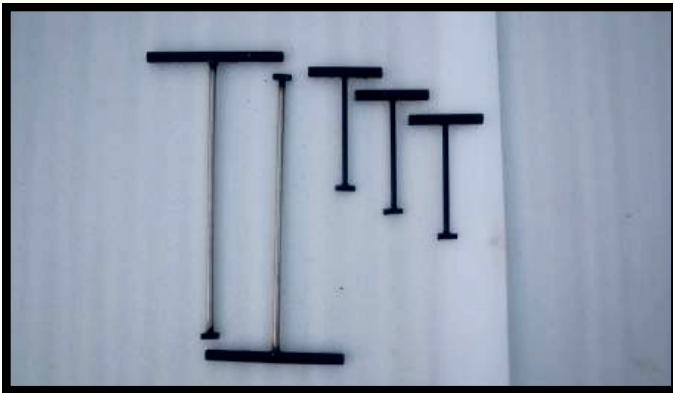
LIFTING ACCESSORIES

Lifters are used to ensure that Manhole covers are being lifted with ease and to ensure that there is no damage to the cover while lifting. These lifters can be used to lift Circular, Square or Rectangular manhole covers.

Sizes applicable:

Square / Rectangular: All sizes from 300 x 300 to 1500 x 1500

Circular: All sizes from 300 mm dia to 900 mm dia





CONTACT US:

CORPORATE OFFICE
JK Industries

92, Shreenath Industrial Estate, Nana Chiloda, Ranasan, Ahmedabad - 382330, Gujarat, India

CEO: Mr. Karan Gadhvi
☎ +91 7600447776

Sales Executives:
☎ +91 8849529641
☎ +91 8866600776

Customer Care:
☎ +91 8801880175

Accounts:
☎ +91 8801880174

✉ Email: jk@manholecover.in 🌐 Website: www.manholecover.in

FRP/GRP/COMPOSITE Solid Top Manhole Covers With Frame, Multiple Covers With Frame, Recess Manhole Covers With Frame, Air & Water Tight Covers With Frame, Gratings, L Angle, Water Gully Covers With Frame, Hinged Overhead And U. G. Water Tank Covers With Frame, Chambers, Drain Channels With Grating / Gully Cover.

www.manholecover.in