



DynaGuard Access Covers

Manufactured with World Class
Multilayer Composite Unifier (MCU)
Polymer Technology

**MADE STRONG,
MADE TO LEAD**



Dudhi DynaGuard : An Introduction



Dudhi DynaGuard stands at the forefront of innovation in the field of infrastructure solutions, offering a wide array of Manhole Access Covers, Recess Covers, Gully Gratings, Tree Gratings, and Lawn Covers meticulously crafted from cutting-edge Glass Fiber Reinforced Polymer (GFRP). What sets Dudhi DynaGuard apart is not just the exceptional quality of their products, but also their pioneering Research and Development initiatives, which have led to groundbreaking technologies like the Multilayer Unifier Technology, developed in-house.

1. Manhole Access Covers: Dudhi DynaGuard's Manhole Access Covers are engineered to perfection, ensuring unparalleled durability and ease of use. Crafted from GFRP, these covers offer superior strength, corrosion resistance, and a lightweight design, making them ideal for various municipal and industrial applications.

2. Recessed Covers: Designed with a focus on safety and longevity, Dudhi DynaGuard's Recess Covers provide secure protection for recessed utility enclosures. Their GFRP construction guarantees resistance against wear and tear, and the anti-slip surface ensures safety in all conditions.

3. Gully Gratings: Dudhi DynaGuard's Gully Gratings are tailored for efficient drainage systems. These gratings are not only lightweight but also incredibly sturdy, making them perfect for urban areas prone to heavy foot or vehicular traffic. The anti-slip feature ensures optimal safety.

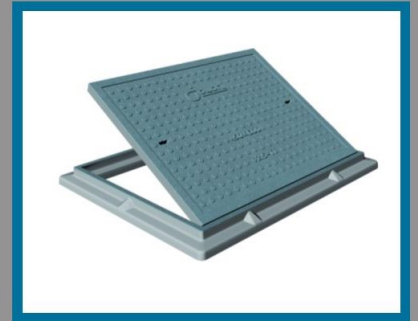
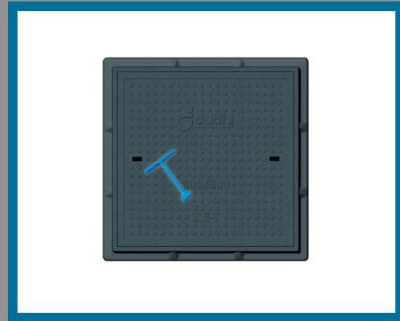
4. Tree Gratings: Enhancing the urban landscape, Dudhi DynaGuard's Tree Gratings combine aesthetic appeal with functionality. Crafted with precision from GFRP, these gratings provide protection to trees while seamlessly blending into the surroundings, offering a harmonious balance of form and function.

5. Lawn Covers: Dudhi DynaGuard's Lawn Covers are designed to safeguard lawns and green spaces. With GFRP construction, these covers offer robust protection without compromising the natural beauty of the landscape. Their lightweight nature simplifies installation and maintenance.

Multilayer Unifier Technology (MUT) : Central to Dudhi DynaGuard's superiority is their in-house developed Multilayer Unifier Technology. This cutting-edge innovation optimizes the structural integrity of their GFRP products. By fusing multiple layers of advanced materials, Dudhi DynaGuard achieves unmatched strength-to-weight ratios, ensuring products that are not only robust but also incredibly lightweight.

Dudhi DynaGuard's R&D Excellence: Dudhi DynaGuard's relentless pursuit of excellence is driven by their dedicated team of researchers and engineers. Their commitment to staying ahead of the technological curve enables the company to continually refine their products and introduce revolutionary solutions to the market.

DynaGuard STA : Access Covers



DynaGuard STA : Access Covers Also Known as Manhole Covers are increasingly being used in various applications due to their lightweight, durable, and corrosion-resistant properties. Here are some common application areas for **DynaGuard STA GFRP** access covers:

Application Area

- ◆ Infrastructure
- ◆ Utilities and Telecommunications
- ◆ Water and Wastewater Treatment
- ◆ Industrial Facilities, Agriculture
- ◆ Airports, Railways
- ◆ Renewable Energy
- ◆ Recreational Facilities
- ◆ Historical Sites
- ◆ Public Spaces, Marine Environments

Available Sizes for GFRP Access Covers

- ◆ Round Access Covers (300mm - 600mm)
- ◆ Square or Rectangular Access Covers (300mm x 300mm) - (1200mm x 1200mm)
- ◆ Custom Shapes and Sizes



Anti-Theft



Long Life



Aesthetics



Lightweight



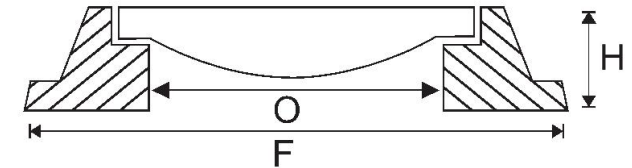
Weather Proof

MADE **STRONG**, MADE TO **LEAD**

DynaGuard STA : Access Covers - Light Duty



- Dudhi GFRP products categories of 2.5T to 5.0T are of very good quality. These products are for indoor use only.
- The cover is fitted smoothly with frame & is quite safe, in use.
- It provides smooth leveled surface which protects from accidental occurrences.



Item	Loading Capacity	Clear Opening (mm) O)	Frame Size(mm) (F)	Frame Height (H)	Net Weight (KG)
LMHS-10	2.5/5 MT	180	250	25	2.5
LMHS-12	2.5/5 MT	220	300	25	3.0
LMHS-15	2.5/5 MT	300	380	25	4.5
LMHS-18	2.5/5 MT	350	450	28	8.0
LMHS-21	2.5/5 MT	425	535	28	11.0
LMHS-24	2.5/5 MT	490	600	28	14.0
LMHS-28	2.5/5 MT	600	710	30	19.0



Shock Proof



Zero Maintenance



High-Load Capacity



No-Colour Fading



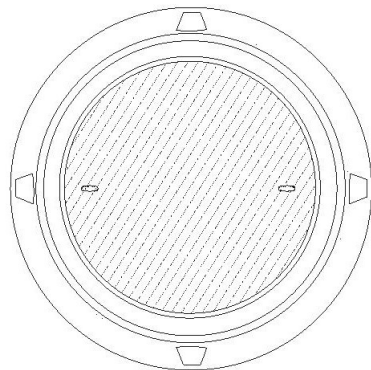
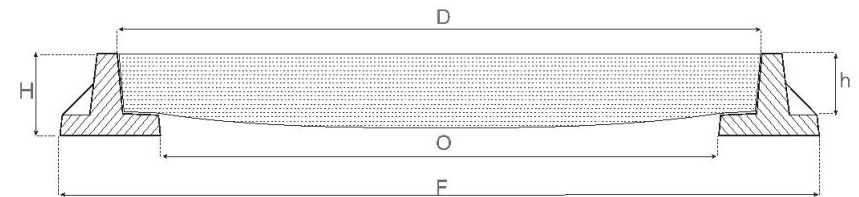
Leak Proof

कीमत नहीं, गुणवत्ता देखें।

DynaGuard STA : Access Covers - Circular



- Dudhi GFRP circular design manhole cover is aesthetically very impressive.
- The cover is fitted smoothly with frame & is quite safe, in use.
- It provides smooth leveled surface which protects from accidental occurrences.



Item	Loading Capacity	Clear Opening (O)	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Net Weight (Kg.)
MHC-300	2.5/5/10 MT	300	360	460	50	25	13
MHC-300	20/40 MT	300	375	445	68	35	14.5
MHC-450	2.5/5 MT	450	510	610	50	20	18
MHC-450	10/20/40 MT	450	520	615	75	45	29
MHC-500	2.5/5/10 MT	500	555	640	60	30	22
MHC-530	2.5/5 MT	530	585	690	50	20	26
MHC-530	10/20/40 MT	530	625	730	75	40	47
MHC-600	2.5/5/10 MT	600	665	750	50	25	30
MHC-600	20/40 MT	600	670	770	80	45	53
MHC-715	20/40 MT	-	715	700	55	45	57



Anti-Theft



Long Life



Aesthetics



Lightweight



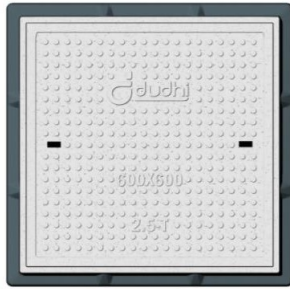
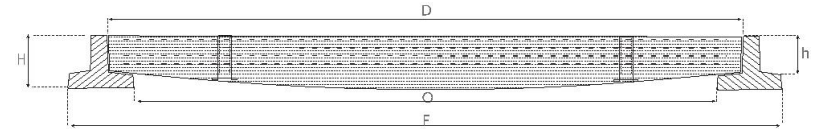
Weather Proof

MADE STRONG, MADE TO LEAD

DynaGuard STA : Access Covers - Square



- GFRP manhole cover, in square pattern is accepted globally due to its impressive design.
- On top side of the cover, the lifting key holes provide easy handling at the time of service, not to allow foul smell to emanate from the chamber and does not allow foreign particles to enter the chamber too.
- Mostly the square manhole cover is used in various sizes as comfort to customer as per their choice.



Item	Loading Capacity	Clear Opening (O)	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Net Weight (Kg.)
MHS-225	2.5/5 MT	225 x 225	250	310	45	15	6
MHS-225	10/20/40 MT	225 x 225	290	375	55	25	11
MHS-300	2.5/5 MT	300 x 300	320	380	45	17	7
MHS-300	10 MT	300 x 300	342	420	45	20	11
MHS-300	20/40 MT	300 x 300	375	475	70	40	24
MHS-450	2.5/5 MT	450 x 450	475	540	45	17	14
MHS-450	10 MT	450 x 450	490	570	40	20	19
MHS-450	20/40 MT	450 x 450	520	620	65	40	41
MHS-600	2.5/5 MT	600 x 600	640	710	55	25	28
MHS-600	10 MT	600 x 600	660	755	50	25	43
MHS-600	20 MT	600 x 600	665	765	65	40	59
MHS-600	40 MT	600 x 600	670	780	80	45	72
MHS-750	10/20/40 MT	750 x 750	835	950	85	40	94
MHDS-900	10/20/40 MT	900 x 900	990 x 495	1110 x 1110	70	35	119
MHDS-1200	10/20/40 MT	1200 x 1200	1270 x 635	1400 x 1400	80	40	210

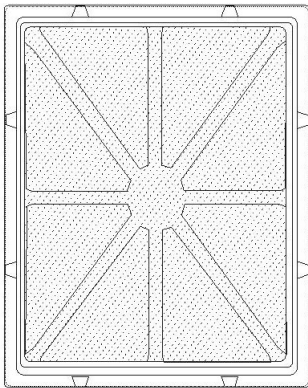
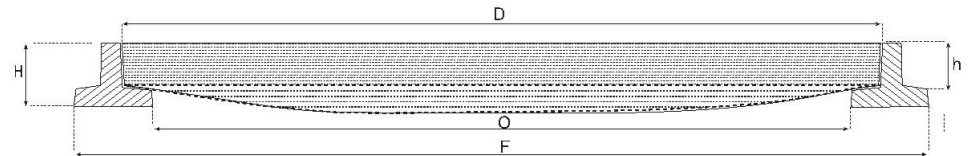
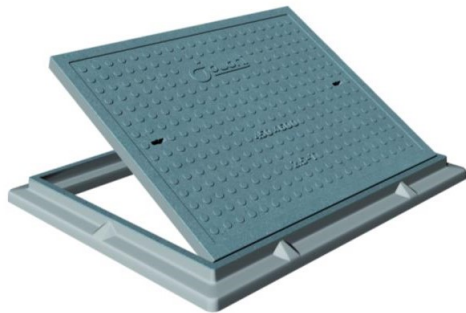


कीमत नही, गुणवत्ता देखें।

DynaGuard STA : Access Covers - Rectangular



- Rectangular manhole cover is basically required in areas in specific use where adjustment of space or width-reduction is required.
- Generally, bigger size of manhole cover is chosen for the rectangular pattern.



Item	Loading Capacity	Clear Opening (O)	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Net Weight (Kg.)
MHR-3045	2.5/5 MT	300 x 450	330 x 480	390 x 540	35	17	8
MHR-4550	2.5/5 MT	450 x 500					
MHR-4560	2.5/5 MT	450 x 600	510 x 660	610 x 760	50	20	34
MHR-4560	10/20/40 MT	450 x 600	520 x 670	620 x 770	70	40	49
MHR-4590	2.5/5 MT	450 x 900	510 x 955	580 x 1025	50	25	47
MHR-4590	10/20/40 MT	450 x 900	520 x 970	615 x 1065	85	60	65
MHR-4890	20 MT	480 x 900	545 x 960	615 x 1000	50	35	48
MHR-6075	10/20/40 MT	600 x 750	685 x 830	800 x 945	85	40	80
MHR-6090	10/20/40 MT	600 x 900	670 x 970	770 x 1070	90	57	88
MHR-7590	10/20/40 MT	750 x 900	840 x 990	965 x 1120	85	30	118



Anti-Theft



Long Life



Aesthetics



Lightweight



Weather Proof

MADE STRONG, MADE TO LEAD

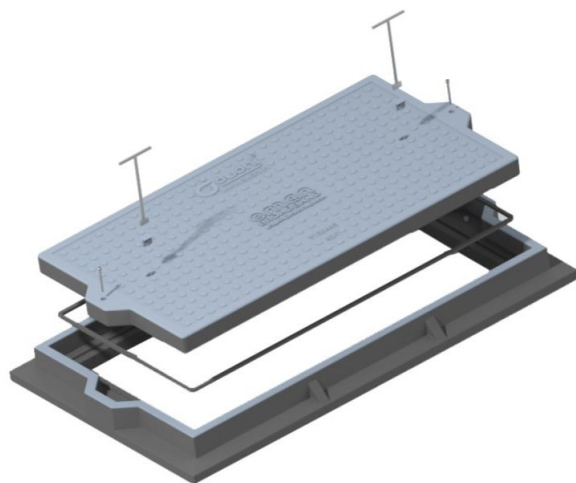
DynaGuard STA : Other Access Covers



Access Covers With Seal for Extra Protection

Dudhi DynaGuard Access Covers (For Extra Protection) are fitted with a special type of Sealing material which is manufactured from **Ethylene Propylene Diene Monomer or EPDM**, is a type of synthetic rubber that is commonly used across many industries. It is made from ethylene, propylene, and diene monomers and is a very versatile and durable type of rubber with many applications.

EPDM sealing material used by Dudhi has a molecular structure that has a single bond, chemically saturated backbone, which makes it extremely resistant to outdoor conditions. EPDM's biggest advantages lie in how weatherproof it is outdoors. It can resist abrasion, UV rays, ozone, aging, and weather, and it's the most waterproof rubber available.



Item	Loading Capacity	Clear Opening (O)	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Net Weight (Kg.)
SCS-450	2.5/5 MT	450 x 450	515	575	55	30	24
SCS-450	10 MT	450 x 450	510	615	50	20	35
SCS-450	20 / 40 MT	450 x 450	545	650	80	40	53
SCS-600	2.5/5 MT	600 x 600	665	720	55	25	34
SCS-600	10 MT	600 x 600	660	765	55	22	44
SCS-600	20 / 40 MT	600 x 600	710	820	85	50	86
SCS-750	10/20/40/60 MT	750 x 750	835	950	80	40	103
SCS-900	10/20/40 MT	900 x 900	995	1095	80	40	115
SCC-600	2.5/5 MT	600	665	735	55	38	26



कीमत नही, गुणवत्ता देखें।

DynaGuard STA : Other Access Covers



Over Head Tank Cover With Frame

Dudhi Glass Fiber Reinforced Polymer (GFRP) overhead tank covers with frames are used to securely cover and protect water storage tanks that are positioned above ground level. GFRP offers excellent corrosion resistance, durability, and strength, making it a suitable material for overhead tank covers. Here are some common applications for GFRP overhead tank covers with frames.

Available GFRP Over Head Tank Cover:

Round Covers: Diameter: 600mm

Square Covers: Dimensions: 600mm x 600mm



Item	Loading Capacity	Clear Opening (O)	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Net Weight (Kg.)
OHTC-600	2.5 MT	600	635	700	35	28	9.5
OHTC-600	2.5 MT	600 x 600	640 x 640	690 x 690	30	30	12



Anti-Theft



Long Life



Aesthetics



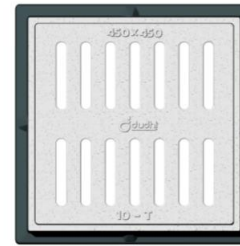
Lightweight



Weather Proof

MADE STRONG, MADE TO LEAD

DynaGuard STA : Gully Gratings



DynaGuard STA : Gully Gratings are widely used in various applications due to their lightweight, corrosion-resistant, and durable properties. Gully Gratings are designed to cover and protect drainage openings or gully pits while allowing water to flow through.

Application Area

- ◆ Urban Drainage Systems
- ◆ Roads and Highways
- ◆ Pedestrian Areas
- ◆ Industrial Facilities
- ◆ Commercial and Residential Developments
- ◆ Airports Public Spaces
- ◆ Water Treatment Facilities
- ◆ Marine and Coastal Environments
- ◆ Green Infrastructure
- ◆ Transportation Infrastructure
- ◆ Recreational Facilities

Available Sizes for Recessed Covers

- ◆ Round : Diameter: 300mm to 900mm or more.
- ◆ Square or Rectangular : (300mm x 300mm) to (1200mm x 1200mm)
- ◆ Rectangular : (450mm x 300mm) to (900mm x 900mm)
- ◆ Custom Shapes and Sizes on request

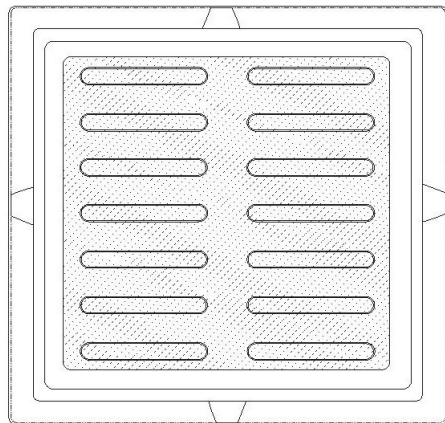


कीमत नही, गुणवत्ता देखें।

DynaGuard STA : Gully Gratings Square, Circular & Rectangular



- Dudhi GFRP Gully Grating in square/circular/rectangular shapes are very attractive with its double slitting rows which provides an aesthetic view when it is fixed on chamber.
- Basically, single chamber in square size fulfill the requirement of draining out the waste/rain water.



Item	Loading Capacity	Clear Opening (O)	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Net Weight (Kg.)
SGS-225	2.5/5 MT	225 x 225	270	325	36	20	4.5
SGS-300	2.5/5/10 MT	300 x 300	365	450	50	25	13
SGS-300	20/40 MT	300 x 300	395	500	70	42	24
SGS-450	2.5/5/10 MT	450 x 450	495	555	45	30	18
SGS-450	20/40 MT	450 x 450	520	620	70	45	35
SGS-595	2.5/5 MT**		595			30	16
SGS-600	2.5/5 MT	600 x 600	645	710	50	30	27
SGS-600	10 MT	600 x 600	665	770	70	30	50
SGS-600	20/40 MT	600 x 600	665	770	65	40	50
SGS-600*	10/20/40 MT	600 x 600	665	770	65	40	50
SGS-750	10/20/40 MT	750 x 750	835	950	80	40	89
SGS-900	10 MT	900 x 900	950	1050	60	30	112
SGS-900	20/40 MT	900 x 900	970	1070	100	50	160
SGC-560*	2.5/5/10 MT	560	615	700	60	30	24
SGC-600*	2.5/5/10 MT	600	680	775	65	32	45
SGC-600*	20/40 MT	600	690	810	80	50	51
SGR-10728	10 MT **		1070 x 280			45	19
SGR-10543	2.5/5 MT **		1055 x 430			30	28
SGR-10015	2.5/5 MT	1000 x 150	1050 x 210	1090 x 280	55	30	20

*Round Hole **Cover Only



Anti-Theft



Long Life



Aesthetics



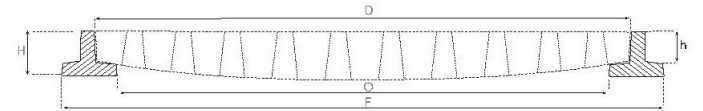
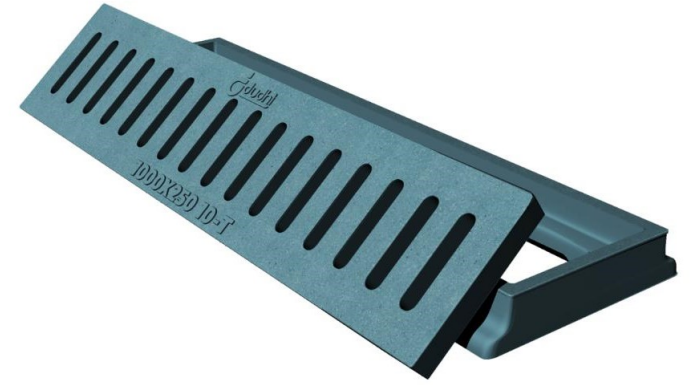
Lightweight



Weather Proof

MADE STRONG, MADE TO LEAD

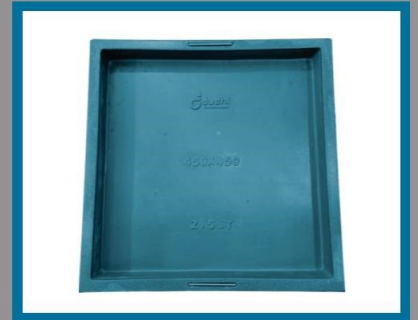
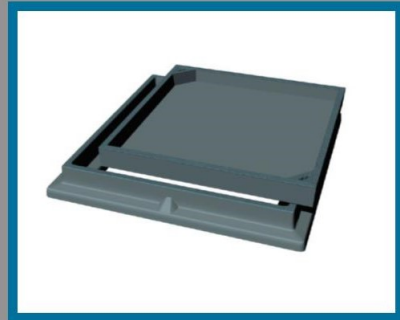
Item	Loading Capacity	Clear Opening (O)	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Net Weight (Kg.)
SGR-10010	2.5/5/10 MT**		1000 x 115			20	4
SGR-10010	20/40 MT**		1000 x 130			35	
SGR-10015	10 MT	1000 x 150	1050 x 210	1090 x 280	55	30	19
SGR-10015	20/40 MT	1000 x 150	1080 x 230	1125 x 340	70	35	35
SGR-10020	2.5/5 MT	1000 x 200	1065 x 275	1100 x 335	55	30	22
SGR-10020	10/20 MT	1000 x 200	1070 x 275	1125 x 390	70	35	22
SGR-10020	40 MT	1000 x 200	1100 x 350	1155 x 420	85	50	55
SGR-10025	2.5/5/10 MT	1000 x 250	1045 x 300	1080 x 360	45	30	23
SGR-10025	20/40 MT	1000 x 250	1095 x 340	1140 x 450	70	40	49
SGR-10030	2.5/5/10 MT	1000 x 300	1060 x 365	1090 x 425	50	30	28
SGR-10030	20/40 MT	1000 x 300	1090 x 390	1135 x 500	70	40	55
SGR-10037	10/20 MT	1000 x 375	1050 x 430	1090 x 500	60	35	37
SGR-10038	20 MT**		985 x 380			40	26
SGR-10038	2.5/5 MT**		995 x 375			35	23
SGR-10038	20 MT**		990 x 380			40	26
SGR-10041	20/40 MT**		995 x 410			45	35
SGR-10047	20/40 MT**		995 x 465			45	35
SGR-10047	40 MT**		1000 x 470			40	52
SGR-10051	2.5/5 MT**		1000 x 510			45	52
SGR-9060	10/20/40 MT	900 x 600	975 x 675	1080 x 780	70	40	74
SGR-9045	10/20/40 MT	900 x 450	970 x 520	1010 x 605	65	45	52
SGR-7035	2.5/5 MT	700 x 350	760 x 410	835 x 485	55	35	25
SGR-6968	20 MT**		690 x 680			40	38
SGR-6045	2.5/5 MT	600 x 450	635 x 505	715 x 570	60	35	25
SGR-6045	10/20/40 MT	600 x 450	665 x 520	765 x 620	68	45	40
SGR-5045	2.5/5 MT	500 x 450	550 x 500	635 x 585	55	30	23
SGR-5015	2.5/5 MT**		500 x 140			20	2.5
SGR-4530	2.5/5 MT	450 x 300	480 x 330	540 x 390	35	17	8
SGR-4530	10/20/40 MT	450 x 300	525 x 380	605 x 450	70	40	21
SGR-2015	40 MT	200 x 150	265 x 215	340 x 290	65	40	7



**Cover Only

कीमत नही, गुणवत्ता देखें।

DynaGuard STA : Recessed Covers



DynaGuard STA : Recessed Covers are used in various applications where a flush or recessed access point needs to be covered while allowing access to underlying systems or utilities. These covers provide a safe and durable solution for covering recessed areas while maintaining the aesthetics and functionality of the surrounding environment.

Application Area

- ◆ Pedestrian Areas
- ◆ Utility Access
- ◆ Public Spaces
- ◆ Commercial Areas
- ◆ Airports
- ◆ Industrial Facilities
- ◆ Marine Environments
- ◆ Roadways and Highways
- ◆ Transportation Systems
- ◆ Historical Sites
- ◆ Green Spaces
- ◆ Educational Institutions

Available Sizes for Recessed Covers

- ◆ Square or Rectangular Access Covers
(450mm x 300mm) - (900mm x 900mm)
- ◆ Custom Shapes and Sizes



Anti-Theft



Long Life



Aesthetics



Lightweight



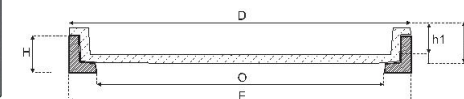
Weather Proof

MADE STRONG, MADE TO LEAD

DynaGuard STA : Recessed Covers 40 mm



- Recessed manhole cover presented by Dudhi GFRP in different sizes are to maintain continuity of floor-top finish, whether the floor covered with tile, stone or pave tile.
- The chamber as well as cover will not be visible except the thin line of frame of the recessed cover.



Item	Loading Capacity	Clear Opening (mm) (O)	Cover Size (mm) (D)	Frame Size (mm) (F)	Frame Height (mm) (H)	Cover Thickness (mm) (h)	Recessed Height (mm) (h1)	Net Weight (Kg)
RCS-225	2.5/5 MT	225 x 225	300x300	325x325	55	55	40	10
RCS-225	10/20 MT	225 x 225	300x300	405x405	90	70	40	17
RCS-300	2.5/5 MT	300 x 300	375x375	400x400	55	55	40	11
RCS-300	10/20/40 MT	300 x 300	405x405	435x435	73	70	40	18
RCS-450	2.5/5 MT	450 x 450	535x535	560x560	60	60	40	15
RCS-450	10 MT	450 x 450	555x555	580x580	70	70	40	28
RCS-450	20/40 MT	450 x 450	565x565	600x600	80	80	40	73
RCS-600	2.5/5 MT	600 x 600	690x690	710x710	60	60	40	29
RCS-600	10 MT	600 x 600	700 x 700	750x750	65	70	40	54
RCS-600	20/40 MT	600 x 600	715x715	750x750	75	75	40	56.5
RCS-750	10/20/40 MT	750 x 750	830x830	925x925	110	78	40	93
RCS-900	20/40 MT	900 x 900	1010x1010	1050x1050	95	85	40	112
RCR-6075	2.5/5/10 MT	600 x 750	665 x 815	677 x 827	60	60	30	43

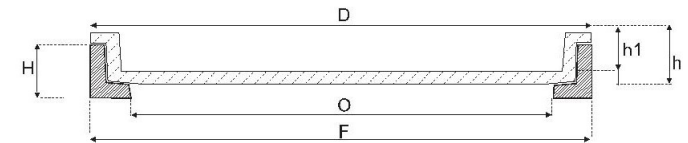


कीमत नही, गुणवत्ता देखें।

DynaGuard STA : Recessed Covers 80 mm



- Recessed manhole cover presented by Dudhi GFRP in different sizes are to maintain continuity of floor-top finish, whether the floor covered with tile, stone or pave tile.
- The chamber as well as cover will not be visible except the thin line of frame of the recessed cover.



Item	Loading Capacity	Clear Opening (mm) (O)	Cover Size (mm) (D)	Frame Size (mm) (F)	Frame Height (mm) (H)	Cover Thickness (mm) (h)	Recessed Height (mm) (h1)	Net Weight (Kg)
RCS-300	2.5/5 MT	300 x 300	385 x 385	410 x 410	95	95	80	15
RCS-300	10/20 MT	300 x 300	385 x 385	410 x 410	95	95	80	15
RCS-450	2.5/5 MT	450 x 450	550 x 550	550 x 550	100	100	80	17
RCS-450	10/20/40 MT	450 x 450	570 x 570	620 x 620	112	112	80	48
RCS-600	2.5/5 MT	600 x 600	678 x 678	710 x 710	100	100	80	33
RCS-600	10/20/40 MT	600 x 600	710 x 710	730 x 730	100	100	80	56
RCS-750	2.5/5 MT	750 X 750	850 x 850	900 x 900	120	110	80	74
RCS-750	10/20/40 MT	750 X 750	870 x 870	920 x 920	115	117	80	93
RCS-900	10/20/40 MT	900 x 900	1025 x 1025	1070 x 1070	120	110	80	117
RCR-4560	10/20/40 MT	450 x 600						
RCR-4590	10/20/40 MT	450 x 900	575 x 1025	620 x 1070	120	110	80	73
RCR-6090	10/20/40 MT	600 x 900	725 x 1025	770 x 1070	120	110	80	94



Anti-Theft



Long Life



Aesthetics



Lightweight



Weather Proof

MADE STRONG, MADE TO LEAD

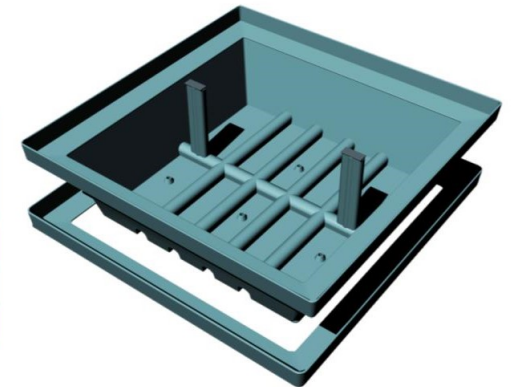
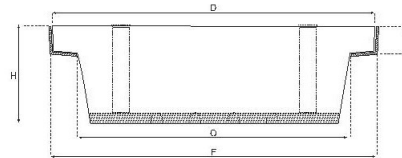
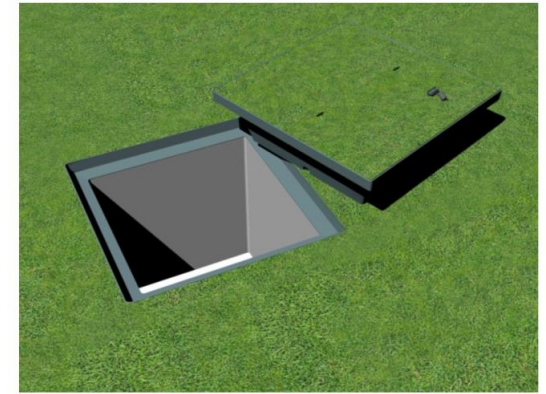
DynaGuard STA : Lawn Access Covers



DynaGuard STA : Lawn Access Covers, often referred to as Grass protection mats or turf covers, find applications in various scenarios where protection of natural grass is required. These covers provide a stable surface that supports foot traffic, equipment, and vehicles while preventing damage to the grass and soil.

Application Area

- ◆ Outdoor Events Sports
- ◆ Fields Golf Courses
- ◆ Outdoor Exhibitions and Trade Shows
- ◆ Residential Events
- ◆ Film Sets and Productions
- ◆ Corporate Functions
- ◆ Wedding Venues, Public Gatherings
- ◆ Parks and Recreation, Campgrounds and Festivals
- ◆ Historical Sites and Landmarks



Item	Loading Capacity	Clear Opening (O)	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Recessed Height (h1)	Net Weight (Kg.)
LCS-450	700 kg	450x450	570x570	570x570	36	100	90	5.5
LCS-450	700 kg	450x450	565x565	570x570	40	155	145	6
LCS-600	700 kg	600x600	713x713	725x725	36	155	145	9



कीमत नही, गुणवत्ता देखें।

DynaGuard STA : Tree Gratings



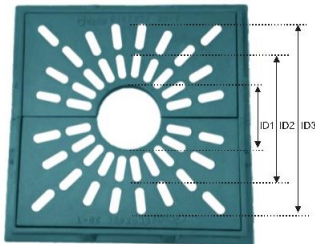
- Dudhi GFRP Tree Grating is recommended to save trees from RCC structure.
- Conceptually this system does not disturb the continuity of greenery as required.
- It is basically a ready pit which carries the grass on top and having ability to drain out the excess water from the lawn.



DynaGuard STA : Tree Gratings are used to protect trees and their root systems in urban environments. These gratings provide a stable surface around trees while allowing essential air, water, and nutrients to reach the roots.

Application Area

- ◆ Sidewalks and Pedestrian Areas
- ◆ Parks and Plazas
- ◆ Historical Sites and Landscapes
- ◆ Green Roofs and Rooftop Gardens
- ◆ Commercial Streets and Shopping Areas
- ◆ Outdoor Seating Areas
- ◆ School Campuses and Educational Institutions
- ◆ Civic Spaces
- ◆ Hospitals and Healthcare Facilities
- ◆ Residential Developments
- ◆ Universities and Educational Campuses
- ◆ Transportation Hubs



Item	Loading Capacity	Clear Opening (O)	Inner Dia (ID) D1/D2/D3	Cover Size (D)	Frame Size (F)	Frame Height (H)	Cover Thickness (h)	Net Weight (Kg.)
TGS-600	10/20 MT	600 x 600	200/400/600	662 x 662	765 x 765	65	45	40
TGS-750	10/20 MT	750 x 750	285/490/700	830 x 830	945 x 945	75	40	70
TGS-900	10/20 MT	900 x 900	355/560/770	990 x 990	1095 x 1095	75	40	94



MADE STRONG, MADE TO LEAD



SFRC/ CI : Performance & Durability Issues



DynaGuard Products : Unmatched Performance and Durability



कीमत नहीं, गुणवत्ता देखें।

Comparision



Description	RCC / SFRC	DI / CI	Dudhi DynaGuard FRP
Life Span	5-10 Years	10-20 Years	Upto 50 years
Strength	Low	High	Very High
Cost	Low	Moderate	Comparable to CI
Weight	Heavy	Heavy	Light
Manufacturing Process	Manually Compressed	Manually Casted	Multilayer Composite Unifier
Material	Steel, Fibre and Reinforced Concrete	Cast Iron and Duct Iron	Glass Fiber, Resin Aggregate and Additives
Water Absorption/ 24 hours	High Water Absorptivity	-	10-30 mg
Carbon Footprint	Very High	Very High	Negligible
Scrap Value	Low	High	Nil (Zero Scrap Value)
Acid/ Alkaline	Affected	Affected	Not Affected
Colour Range	Grey	Black	Wide Range Available
Flexibility	Breaks with Load	Bends with Load	High Flexural Strength
Custom Design/ Size	Not Always Available	Costly	Available
Handling	Difficult	Very Difficult	Easy
Compressive Strength	130-150 Mpa	Wide Range is Difficult	300-600 Mpa
Thermal Expansion	Low	High	Negligible (Upto 3 to 5 mm Max)
Noise (Vehicle Moving)	Noise is Generated	High Noise Generation	Negligible
Strength to Weight Ratio	Very Low	Moderate	Very High
Corrosion Resistance	Affected within Short Span	Affected within Short Span	High
Abrasion Resistance	None	Yes	Yes



Anti-Theft



Long Life



Aesthetics



Lightweight



Weather Proof

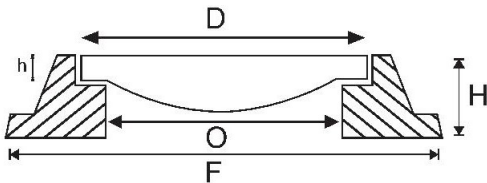
MADE STRONG, MADE TO LEAD

How to Choose DynaGuard : Access Covers and Grating



Size Selection

- Clear Opening of the frame should not be smaller than the drain clear opening size.
- Shape of frame should be same as shape of drainage opening.
- If possible, always design drain according to industry standard sizes.
- O – Clear opening
- D – Cover Size
- F – Frame Size
- H – Frame Height
- h – Cover Thickness



Load Bearing Capacity Selection

	Category		Description
A	Load 2.5T (LD) (Point Load/Wheel load 0.8T)		Areas where can be used by footways, pedestrians areas, side walking ways, or pedal cyclists.
B	Load 5.0T (LD) (Point Load/Wheel load 2.5T)		Suitable for use in areas with light Motor vehicle traffic underground parking decks in residential areas.
C	Load 10.0T (MD) (Point Load/Wheel load 3.0T)		Areas where can be used by footways, car parks, driveways etc.
D	Load 20.0T (HD) (Point Load/Wheel load 5.0T)		Roads for relatively slow moving traffic, i.e minor residential, cul-de-sacs and frequent traffic area.
E	Load 40.0T (EHD) (Point Load/Wheel load 11.5T)		Areas such as power stations, carriageways, hard shoulders, parking areas for all vehicle types. For high density traffic conditions we recommend the use of vibration resistant locking system.
F	Load 60.0T (EHD) (Point Load/Wheel load 20.0T)		Areas submitted to high wheel loads such as ports and dikes or dock laterals.
G	Load 90.0T (EHD) (Point Load/Wheel load 40.0T)		Areas subject to particularly high wheel loads such as runways

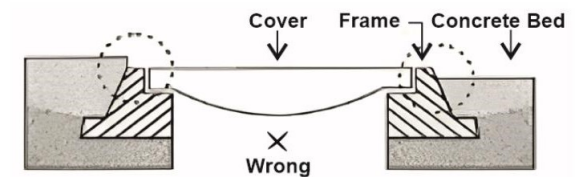
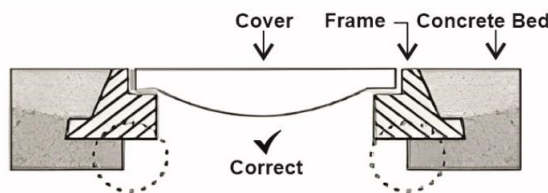
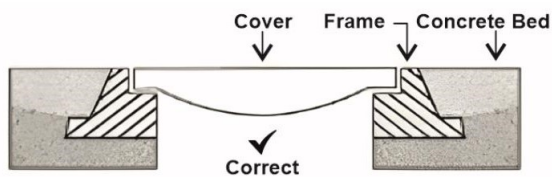


कीमत नहीं, गुणवत्ता देखें।

DynaGuard Installation and Maintenance



Please note frame is not load bearing and therefore has to be completely supported from all sides. For more specification follow instruction of installation.



Testing Standards

GFRP Composite manhole covers are tested for load bearing and permanent set as per BS EN 124:1991 and IS 1726. BS EN 24 is testing code worldwide for manhole covers in Cast Iron, Ductile Iron and other materials also. Permanent deformation in cover after multiple loading within a short time as specified in the code.

Storage & Handling

Transportation: Lay in flat of manhole cover with a pair of Frame and cover plate during transportation.

Handling: Bigger size of manhole cover is heavier in weight so engage two persons at least to carry in loading or unloading. To avoid damage of corners and edges, keep the cover plate in safe place during fixing of frame.

Background Preparation

The foundation of the chamber should be casting the concrete M-30 or even better, the frame around the concrete width should be around 200 mm.

For More Specification Follow Instruction of Dos or Don'ts

Application

Make sure that top level of the frame should match the road.

Prepare concrete bed considering height of the frame.

Frame should be allowed to set in concrete for a minimum time of 48 hrs, before its use.



MADE STRONG, MADE TO LEAD

DynaGuard : Precautions



- ◆ Do not choose under load capacity it may get damage or harm full during traffic movement.
- ◆ During the process if any traffic run on the frame or cover will get damage.
- ◆ Do not use hammer or any other tools to open cover from frame.
- ◆ During fixing the frame have to fixed on chamber with proper position not along with cover plate. The cover plate should lay on the frame after completion of flooring work. **For more specification Follow instruction of Do's or Don'ts.**

The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work.

Backed by Superior Service

- ◆ Technical Service team offers solutions for application methodology.
- ◆ Intermediate site inspections and feedback.
- ◆ Recommend appropriate sizes for fixing and finishing.
- ◆ Large distributed manufacturing capacity hence easy available in time.

Know more about us and our range of products, you can log on to our website: <http://www.dudhi.in> or simply write us on info@dudhi.in



Shock
Proof



Zero
Maintenance



High-Load
Capacity



No-Colour
Fading



Leak
Proof

कीमत नही, गुणवत्ता देखें।

DynaGuard Technical & Physical Parameters



Physical Characteristics

Parameter	Dudhi DynaGuard
Surface Treatment	Anti-Slip, Anti-UV
Technique	Multilayer Unifier Technology (MUT)
Shape	Circular, Square, Rectangular, or Customized
Colour	Standard Grey and as required on demand
Service Life	More than 50 years
Conduction	Non-electric conductive and non-thermal conductive
Features	Anti Corrosive, Anti UV, Anti Acid and Alkali, Anti rust, etc.
Noise	Less noise and lower Vibration

250-600
Mpa

Longitudinal Strength

300-600
Mpa

Compressive Strength

25-35
Mpa

Stretch Modulus

1.3-10.0%

Break Elongation Ratio

700-1400
Mpa

Bending Strength

0.35

Poisson-Ratio

1.11-1.15

Relative Density

10-30
mg

Water-Absorptive (24h)

-40°C
~ 80°C

General Application
Temperatures In

HINDUSTAN PIPE SALES CORPORATION 319, Syndicate House, Inder Lok, Old Rohtak Road,
Near Inder lok Metro Station, New Delhi - 110035, 011- 45075768,
9810079112, 9873342538 E-mail :- hindustan.pipes@gmail.com



Anti-Theft



Long Life



Aesthetics



Lightweight



Weather Proof

MADE STRONG, MADE TO LEAD