



Pattern Makers & Founders



FRP MANHOLE COVERS AND GRATINGS



ABOUT US

We, Raj Pattern Makers & Founders Pvt Ltd (RPMF), are a company based on the skills of its people. We have been a reputed name as Manufacturer and Supplier of cast iron Centrifugal, Hubless and soil pipes, fittings, manhole covers, frp manhole covers and gratings, ssrc manhole covers and gratings, SS Plumbing Pipes & Accessories and Ductile Iron Pipes & Fittings for last three decades in the market.

We have a highly experienced and motivated team with all required infrastructure and logistics with chain marketing analytics to cover all aspects and requirements of this market. We have constantly enhanced our capability as producer of cast iron soil pipes, fittings, and manhole cover since 1977 to manufacturing high quality cast iron Hubless & Centrifugal spun pipes & fittings, manhole covers, CI, DI & FRP Manhole Covers and gully gratings, now with hundreds of reputed customers (Govt./corporate) all over India.

Raj Pattern Makers & Founders Pvt Ltd (RPMF) was incorporated in 1977 with a production capacity of 500MT for manufacturing of Cast iron soil pipes and fittings. Since then, the company has brought phenomenal development in the pipe manufacturing process through many innovative measures. Today we have augmented our product line to manufacture world-class cast iron hubless and centrifugal pipes and fittings as well as various types of manhole covers and gratings.

We have been constantly executing orders for pipes and fittings to meet the requirements of sectors such as housing, multistoreyed buildings, commercial complexes, hospitals, educational institutes and government and defence housing.

Our brand has a unique positioning in the market with "Quality & Service at a reasonable price" defining what it stands for. We have forged a vast network of dealers, distributors and channel partners all over India, even in remote towns to ensure our customers can have access to our products, even in small quantities.



FRP MANHOLE COVERS AND GRATINGS

PLACEMENT OF MANHOLE COVERS & FRAMES



1) LIGHTY DUTY - 2.5 tons - Appropriate for use within housing and commercial complexes/areas with pedestrian and rare light motor vehicle traffic. Ideal for footpaths and other walking areas.



2) LIGHT/MEDIUM DUTY - 5 tons - Appropriate for use within housing and commercial parking zones for light motor vehicles.



3) MEDIUM DUTY - 12.5 tons - Appropriate for use in car parking zones / service lanes and other similar areas with medium duty vehicular traffic.



4) HEAVY DUTY - 25 tons - Appropriate for use in main city roads/ highways/ Commercial areas/ bus terminals/ all parking zones having heavy duty vehicular movement.



5) EXTRA HEAVY DUTY - 40tons - Appropriate for use in industrial areas / port areas / factory / warehouses / places with regular movement of heavy trailers & trucks. Also main city roads and state highways where heavy vehicular movement is frequent. Extremely high load bearing capacity and toughness.



6) SUPER EXTRA HEAVY DUTY - 50 tons to 90 tons and above - Appropriate for use in ship building dockyards /Aircraft hangar area / massive factories where there is movement of much heavier vehicles / material is frequent.

BENEFITS -

- Load ratings A15 and F900 available across the range. -
- Wide range of sizes and shapes -
- Unaffected by bio fuels - Will not corrode, crack or crumble -
- Easy and safe manual removal - Lifting aid eliminates back injury and crushed fingers -
- Eliminates risk of theft due to no resale value to the scrap market -
- Incredibly strong monolithic structure that will not delaminate -
- Treads incorporate a specialised anti-slip material -
- Range of UV stable colours available that will not flake or crack -
- Security locks available - Cover marking / customisation available - Anti-static

Manhole Covers

Dimension Chart & Price List

| Material | Size (mm) | Size (Inch) | ELD (2.5 MT) | LD (5 MT) | MD (12.5 MT)/ B125 | HD (25 MT)/ C250 | EHD (40 MT)/ D400 | Industrial Load / Port Load (E600) |
|--|-------------------------------|-------------|-----------------|-------------------------------------|---------------------------|-----------------------|----------------------|---------------------------------------|
| | | | Pedestrian Load | 2 Wheeler / Light Vehicular Load | 4 Wheeler / Tempo Load | Truck/Trailer Load | Fire Engine Load | |
| Square Manhole Cover with Frame | 300 x 300 | 12 x 12 | 1520 | 1885 | 3145 | 4195 | 4845 | 8245 |
| | 450 x 450 | 18 x 18 | 3220 | 4095 | 7240 | 8470 | 9895 | 15030 |
| | 600 x 600 | 24 x 24 | 5720 | 6170 | 9245 | 11170 | 14895 | 22800 |
| | 750 x 750 | 30 x 30 | 10390 | 11475 | 13965 | 16230 | 23385 | 35070 |
| | 900 x 900 (Single Cover) | 36 x 36 | 15200 | 19495 | 21995 | 25420 | 36745 | 55850 |
| | 900 x 900 (Double Cover) | 36 x 36 | 15200 | 20745 | 24195 | 27420 | 37620 | 56500 |
| | 1000 x 1000 (Single Cover) | 40 x 40 | 22835 | 25395 | 33345 | 35755 | 47995 | 76105 |
| | 1000 x 1000 (Double Cover) | 40 x 40 | 23095 | 25945 | 33345 | 37795 | 52445 | 76105 |
| Rectangular Manhole Cover with Frame | 1200 x 1200 | 48 x 48 | 30625 | 33975 | 45505 | 51120 | 73785 | 110680 |
| | 450 x 600 | 18 x 24 | 3555 | 5770 | 7920 | 8420 | 12345 | 19160 |
| | 450 x 900 | 18 x 36 | 6220 | 6675 | 9120 | 10440 | 16170 | 24285 |
| | 600 x 900 | 24 x 36 | 8420 | 8565 | 11530 | 17190 | 21110 | 31670 |
| | 900 x 1200 | 36 x 48 | 26510 | 31195 | 39895 | 45610 | 55795 | 90220 |
| | 1000 x 1550 | 40 x 62 | 37000 | 44500 | 55000 | 66000 | 80000 | 115000 |
| | 1170 x 600 | 47 x 24 | 10795 | 13095 | 18235 | 21325 | 24995 | 44995 |
| Circular Manhole Cover with Frame | 1760 x 300 | 70 x 12 | - | - | 23995 | 25495 | 28495 | 47995 |
| | Dia 530 | Dia 21 | 4820 | 4945 | 7170 | 9145 | 10795 | 17500 |
| | Dia 560 | Dia 22 | 5995 | 6295 | 8195 | 9645 | 11895 | 18150 |
| | Dia 600 | Dia 24 | 5670 | 6235 | 7920 | 9770 | 12695 | 19750 |
| Water Tank Cover | Dia 900 | Dia 36 | 12105 | 12640 | 16530 | 18050 | 23835 | 35755 |
| | UG Dia 600 | Dia 24 | 6820 | 7720 | 9080 | 10845 | 14595 | 22600 |
| | OH Dia 600 | 24 | 4050 (500 kg) | | | | | |
| | OH Dia 600 x 600 | 24 x 24 | 4420 (500 kg) | | | | | |
| | UG Dia 600 x 600 | 24 x 24 | 7045 | 8120 | 11145 | 14070 | 16795 | 26195 |

Gully Gratings

Dimension Chart & Price List

| Material | Size (mm) | Size (Inch) | ELD (2.5 MT) | LD (5 MT) | MD (12.5 MT)/ B125 | HD (25 MT)/ C250 | EHD (40 MT)/ D400 | Industrial Load / Port Load (E600) |
|--------------------------------------|-------------|-------------|-----------------|-------------------------------------|---------------------------|-----------------------|----------------------|--|
| | | | Pedestrian Load | 2 Wheeler / Light Vehicular Load | 4 Wheeler / Tempo Load | Truck/Trailer Load | Fire Engine Load | |
| Rectangular Grating with Frame | 300 x 300 | 12 x 12 | 2545 | 3695 | 4345 | 5945 | 6295 | 9500 |
| | 450 x 450 | 18 x 18 | 4230 | 4870 | 8095 | 8720 | 10745 | 16200 |
| | 450 x 600 | 18 x 24 | 5595 | 6895 | 9195 | 10945 | 13645 | 20700 |
| | 500 x 600 | 20 x 24 | 6020 | 7145 | 9595 | 11645 | 13995 | 21480 |
| | 600 x 600 | 24 x 24 | 6820 | 7570 | 9870 | 12595 | 16795 | 25350 |
| | 600 x 750 | 24 x 30 | 10500 | 13100 | 16000 | 19800 | 24000 | 36200 |
| | 600 x 900 | 24 x 36 | 9015 | 11870 | 16345 | 17845 | 20995 | 31580 |
| | 600 x 1200 | 24 x 48 | 16500 | 20500 | 22000 | 24200 | 28400 | 42100 |
| Gully Grating without Frame | 1000 x 1000 | 36 x 36 | 24000 | 28900 | 33750 | 43800 | 55000 | 83120 |
| | 355 x 600 | 14 x 24 | 2220 | 2500 | 2700 | 4150 | 7000 | - |
| | 300 x 700 | 12 x 28 | 2165 | 2390 | 2615 | 4045 | 6715 | - |
| | 380 x 380 | 15 x 15 | 1700 | 1850 | 2000 | 2800 | 4600 | - |
| | 400 x 600 | 16 x 24 | 2800 | 3100 | 3325 | 4700 | 7500 | - |
| | 440 x 600 | 18 x 24 | 3090 | 3400 | 3700 | 5190 | 8000 | - |
| | 450 x 600 | 18 x 24 | 3150 | 3500 | 3830 | 5300 | 8250 | - |
| | 530 x 530 | 21 x 21 | 2790 | 3675 | 6820 | 8325 | 9675 | - |
| | 540 x 600 | 21 x 24 | 3780 | 4200 | 4900 | 6360 | 8900 | - |
| | 540 x 680 | 21 x 27 | 4300 | 4760 | 4900 | 7200 | 10100 | - |
| | 550 x 650 | 22 x 26 | 4355 | 5285 | 9130 | 10995 | 13485 | - |
| | 600 x 600 | 24 x 24 | 4400 | 5355 | 8500 | 9800 | 12890 | - |
| | 600 x 700 | 24 x 28 | 4650 | 5800 | 9000 | 10890 | 14000 | - |
| | 675 x 1240 | 27 x 49 | 13000 | 15980 | 17600 | 19500 | 22800 | - |
| | 680 x 980 | 27 x 39 | 7250 | 9500 | 13215 | 14380 | 17250 | - |
| | 690 x 690 | 27 x 27 | 6475 | 7785 | 8675 | 10475 | 14580 | - |
| | 690 x 840 | 27 x 33 | 9000 | 12000 | 14800 | 18300 | 21000 | - |
| | 730 x 800 | 29 x 32 | 9900 | 12500 | 15200 | 18650 | 21500 | - |
| | 840 x 840 | 33 x 33 | 11900 | 14000 | 16200 | 17900 | 21000 | - |
| | 1070 x 1070 | 42 x 42 | 20500 | 24600 | 30000 | 39290 | 50000 | - |



AVAILABLE SIZES



SQUARE

300mm x 300mm
450mm x 450mm
600mm x 600mm
750mm x 750mm
900mm x 900mm
1000mm x 1000mm
1200mm x 1200mm
1500mm x 1500mm



RECTANGULAR

450mm x 600mm
450mm x 900mm
600mm x 900mm
900mm x 1200mm
1000mm x 1550mm
1170mm x 600mm
1760mm x 300mm
2150mm x 475mm

GRATING WITH FRAME

300mm x 300mm 600mm x 750mm
450mm x 450mm 900mm x 450mm
450mm x 600mm 900mm x 600mm
500mm x 600mm 900mm x 900mm
600mm x 600mm 1000mm x 1000mm

ONLY GRATING

300mm x 700mm 600mm x 600mm
355mm x 600mm 600mm x 700mm
380mm x 380mm 675mm x 1240mm
400mm x 600mm 680mm x 980mm
440mm x 600mm 690mm x 690mm
450mm x 600mm 690mm x 840mm
530mm x 530mm 730mm x 800mm
540mm x 600mm 840mm x 840mm
540mm x 680mm 1070mm x 1070mm
550mm x 650mm

(DESIGNS & SIZES CAN BE
CUSTOMISED AS PER REQUIREMENT)



CIRCULAR

Dia 530mm
Dia 560mm
Dia 600mm
UG TANK COVER Dia 600mm
Dia 750mm
Dia 900mm
Dia 1200mm



RECESS COVER

450mm x 450mm
600mm x 450mm
600mm x 600mm
600mm x 1200mm
750mm x 750mm
800mm x 1200mm
900mm x 450mm
900mm x 600mm
900mm x 900mm
900mm x 1200mm
1000mm x 1000mm
1200mm x 1200mm



OVERHEAD WATER TANK COVER

CIRCULAR Dia 600mm
SQUARE 600mm X 600mm
SQUARE 750mm X 750mm

Please Note -

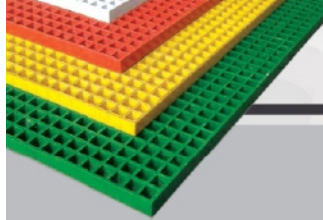
This is not an exhaustive list. We design and manufacture according to customers specific requirements. subject to technical and commercial visibility.

-QUALITY STANDARDS, CERTIFICATION & PERFORMANCE

RPMF composite covers are tested to EN 124 and are available with load ratings from A15 up to F900 depending on the application. They are light weight, strong easily removable and available in a wide range of sizes, shapes and colours. The monolithic structure of a RPMF cover ensure that they will not crack or delaminate during usage.

-RPMF FRP MANHOLE COVERS AND GRATINGS assure that our products are regularly subjected to rigorous, independent, testing to ensure that they comply with stringent standards for safety, product performance and reliability. In addition, it also means that the quality systems of the factory where RPMF covers are made are systematically assessed.

-Our company is committed towards maintaining the highest possible standards. RPMF ensures the strictest control on raw material quality and manufacturing standards. All products are manufactured in accordance with ISO9001:2015. ISO accreditation applies to our Indian manufacturing plant.



Our Product Range:

- * Cast Iron Hubless Pipes & Fittings
- * Cast Iron Centrifugal Pipes & Fittings
- * Cast Iron D/S Pipes & Fittings
- * Earthing Pipes and Earthpit Covers
- * DI Pipes & Fittings and Valves
- * SS Plumbing Pipes & Accessories
- * CI, DI SFRC Manhole Covers & Gratings
- * LDPE and PVC Manhole Covers



Pattern Makers & Founders



Factory Address : Nagla Kishanlal Foundry Nagar, Rambagh, Agra

Land Mark : Opposite OP Ice and Cold Storage

Contact : +91-9760 283 296

Mail id : marketing.rpmf@gmail.com

Website : www.goyaliron.com



FRP MANHOLE COVERS AND GRATINGS

| Material | Size (mm) | Size (Inch) | ELD (2.5 MT) | LD (5 MT) | MD (12.5 MT)/ B125 | HD (25 MT)/ C250 | EHD (40 MT)/ D400 | Industrial Load / Port Load (E600) |
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| | 750 x 750 | 30 x 30 | 10390 | 11475 | 13965 | 16230 | 23385 | 35070 |
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| | 450 x 900 | 18 x 36 | 6220 | 6675 | 9120 | 10440 | 16170 | 24285 |
| | 600 x 900 | 24 x 36 | 8420 | 8565 | 11530 | 17190 | 21110 | 31670 |
| | 900 x 1200 | 36 x 48 | 26510 | 31195 | 39895 | 45610 | 55795 | 90220 |
| | 1000 x 1550 | 40 x 62 | 37000 | 44500 | 55000 | 66000 | 80000 | 115000 |
| | 1170 x 600 | 47 x 24 | 10795 | 13095 | 18235 | 21325 | 24995 | 44995 |
| Circular Manhole Cover with Frame | 1760 x 300 | 70 x 12 | - | - | 23995 | 25495 | 28495 | 47995 |
| | Dia 530 | Dia 21 | 4820 | 4945 | 7170 | 9145 | 10795 | 17500 |
| | Dia 560 | Dia 22 | 5995 | 6295 | 8195 | 9645 | 11895 | 18150 |
| | Dia 600 | Dia 24 | 5670 | 6235 | 7920 | 9770 | 12695 | 19750 |
| | Dia 900 | Dia 36 | 12105 | 12640 | 16530 | 18050 | 23835 | 35755 |
| Water Tank Cover | UG Dia 600 | Dia 24 | 6820 | 7720 | 9080 | 10845 | 14595 | 22600 |
| | OH Dia 600 | 24 | 4050 (500 kg) | | | | | |
| | OH Dia 600 x 600 | 24 x 24 | 4420 (500 kg) | | | | | |
| | UG Dia 600 x 600 | 24 x 24 | 7045 | 8120 | 11145 | 14070 | 16795 | 26195 |

LOAD BEARING CAPACITY : 2.5 TONNES

| Sr. No. | Frame Size | | Clear Opening | | Price |
|---------|------------|-----------|---------------|-----------|-------|
| | Inch | MM | Inch | MM | |
| 1 | 10 x 10 | 250 x 250 | 7.8 x 7.8 | 195 x 195 | 605 |
| 2 | 12 x 12 | 300 x 300 | 10 x 10 | 250 x 250 | 705 |
| 3 | 12 x 18 | 300 x 450 | 10 x 16 | 250 x 400 | 1275 |
| 4 | 15 x 15 | 380 x 380 | 12 x 12 | 300 x 300 | 880 |
| 5 | 18 x 18 | 450 x 450 | 16 x 16 | 400 x 400 | 1320 |
| 6 | 18 x 24 | 450 x 600 | 14 x 20 | 350 x 510 | 1520 |
| 7 | 21 x 21 | 535 x 535 | 18 x 18 | 450 x 450 | 1780 |
| 8 | 24 x 24 | 600 x 600 | 20 x 20 | 510 x 510 | 2010 |
| 9 | 28 x 28 | 710 x 710 | 24 x 24 | 610 x 610 | 3220 |
| 10 | 30 x 30 | 760 x 760 | 26 x 26 | 660 x 660 | 4380 |
| 11 | 21 x 28 | 535 x 710 | 18 x 24 | 450 x 610 | 2555 |

LOAD BEARING CAPACITY : 5 TONNES

| Sr. No. | Frame Size | | Clear Opening | | Price |
|---------|------------|-----------|---------------|-----------|-------|
| | Inch | MM | Inch | MM | |
| 1 | 10 x 10 | 250 x 250 | 7.8 x 7.8 | 195 x 195 | 755 |
| 2 | 12 x 12 | 300 x 300 | 10 x 10 | 250 x 250 | 830 |
| 3 | 12 x 18 | 300 x 450 | 10 x 16 | 250 x 400 | 950 |
| 4 | 15 x 15 | 380 x 380 | 12 x 12 | 300 x 300 | 960 |
| 5 | 18 x 18 | 450 x 450 | 16 x 16 | 400 x 400 | 1570 |
| 6 | 18 x 24 | 450 x 600 | 14 x 20 | 350 x 510 | 1960 |
| 7 | 21 x 21 | 535 x 535 | 18 x 18 | 450 x 450 | 2220 |
| 8 | 24 x 24 | 600 x 600 | 20 x 20 | 510 x 510 | 2585 |
| 9 | 28 x 28 | 710 x 710 | 24 x 24 | 610 x 610 | 3750 |
| 10 | 30 x 30 | 760 x 760 | 26 x 26 | 660 x 660 | 5390 |
| 11 | 21 x 28 | 535 x 710 | 18 x 24 | 450 x 610 | 3110 |