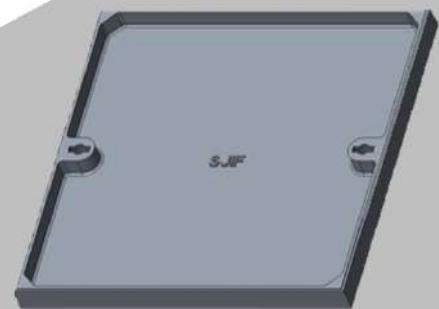


HITECH METAL FORMING

The Edge Of Innovation

Your Partner For Engineering Services & Solutions

## Ductile & Aluminum Manhole Covers



COMPANY CATALOGUE 2025 - 2026

[www.hitechmf.com](http://www.hitechmf.com)

## HITECH COMPANY BRIEF

Hitech Metal Forming is a leading contractor and specialist of Construction material supply manhole covers ( Ductile , Cast and Aluminum )

Our Trading and supply engineering services as a manufacturing representative serve as an orientated and professionally managed company operating in Qatar, GCC and Middle East enter in construction & trading business with quality analytical work force with excellent market and technical knowledge in the line of metal forming of different products as well a material supplier for the construction companies with a vast range of products, having strong knowledge of the Clients & Construction requirements.

Our execution works are carried out by a team of qualified professionals, well trained and certified technicians who can operate the latest high-tech machines. To ensure we remain competitive and up-to-date with technologies, procedures & regulations by offering continuous education and training, considering the safety rules for our manpower by providing required training and workshops. Hitech Metal believes that every project deserves utmost attention and commitment to provide outstanding services that why we continue to diversify it to other fields.

### • Who we are

**Hitech Metal Forming and Services** is Company with main office in Ajman , UAE, Branches in Jordan and Qatar . Our company is Specialized in offering and its distribution of world class product lines to variety of areas such as distribution and manufacturing of scaffolding materials. Access equipment , utilities and construction Materials .We are engage mainly in the field of Construction. We are operating throughout the Gulf Area and Middle East Specialized supplying projects with engineering products and demands.

Our Hitech Team provides full design and calculation services for any project requirement, to the latest industry codes of practice. "committed to innovation and integrity in design, quality and safety in manufacturing" "dedicated to excellence through quality performance, for the mutual long-term success of our customers and ourselves."

### • Vision

**Hitech Metal Forming and Services** is dedicated to becoming the industry's preferred supplier for the of scaffolding materials. We are committed to :

- 1- Innovation and integrity in design.
- 2 - Quality ,and service excellence, time to delivery and competitive project values .

### • Mission

Our mission is to be a world-class Supplier of metal fabricated products and services.

We believe in the development of highly skilled team members committed to continuous improvement. We stride to:

- 1- Provide all requirements within reasonable time, cost and client satisfaction
- 2 - Continuously improve our performance in the construction site demands
- 3- Follow up all HSE and industry requirements

### • Values

We value:

- Our people
- Customer Satisfaction
- Accountability
- Integrity
- Hard Work
- Trust & Loyalty
- Confidence
- Good Management



## DUCTILE & CAST MANHOLE COVERS

Cast iron manhole cover is a high-strength cover plate cast from ductile iron, used in roads and other places. A product

That is very common in daily life, on the highway, on the sidewalk, at the pier, in the Industrial area, at residence Building and commercial Buildings you will often See them. Manhole covers Not only are sewers, they can Also be used in municipal .Water supply, gas, electricity, communications and other industries. Most manhole covers on the market are made of ductile iron, which is a very strong material with strength close to carbon steel, but the price is cheaper than carbon steel.

Ductile iron manhole covers are designed to provide access to underground utility systems such as sewers, storm drains, and telecommunications. These covers are made from ductile iron, a type of cast iron that is known for its high strength, durability, and ability to withstand heavy loads.

### **Ductile Iron Manhole Covers**

Ductile Iron Manhole Covers are manufactured In a wide range .These covers are made as per BS EN 124 & can have testing load capacities of 1.5 MT, 12.5 MT, 25 MT to up to 40 MT. Upon request, they are also manufactured with load capacities of up to 90 MT which are used at Airports.

A wide range variety can be manufactured like Recessed Covers, Single Seal Solid Top, Double Seal & hinged type covers. These products are available in both round & square frames. The sizes are 200mm dia round , 200mm x 200mm square to up to 1500mm dia / 1500mm x 1500mm square type covers.



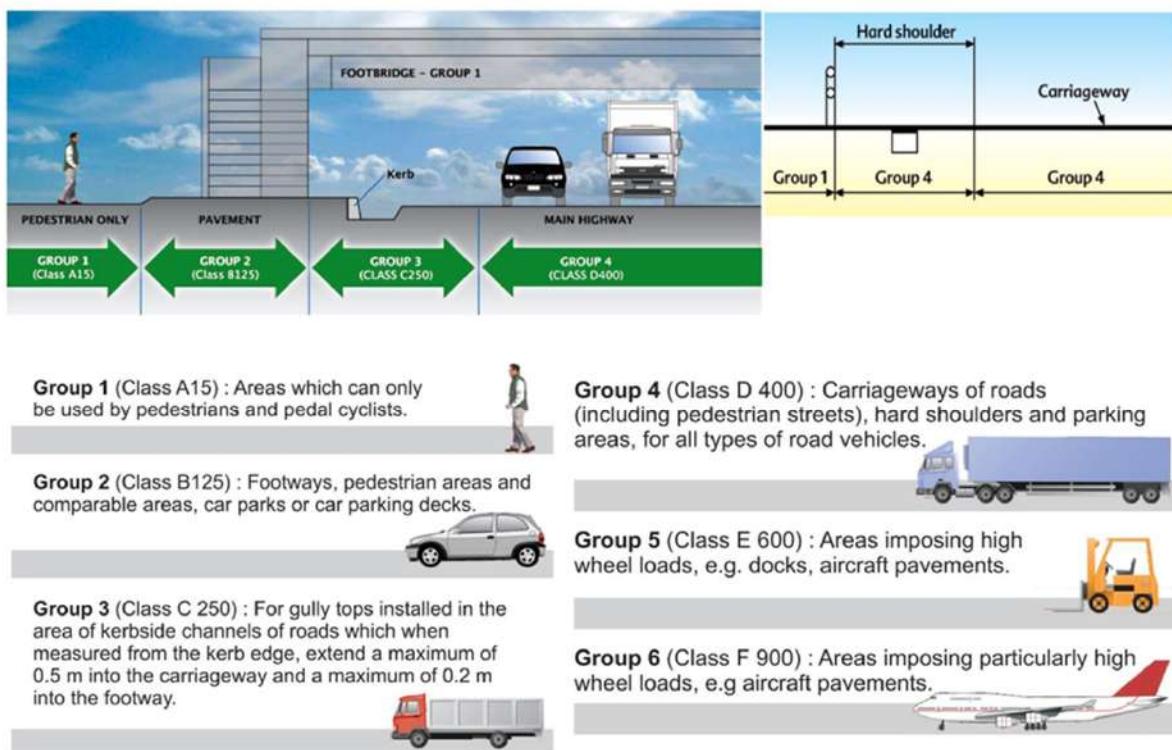
## WHAT IS CAST IRON

Cast irons, like steels, are basically alloys of iron and carbon. In relation to the iron-iron carbide diagram, cast irons contain a greater amount of carbon than that necessary to saturate austenite at the eutectic temperature. Therefore, cast irons contain between 2 and 6.67 per cent carbon. Since high carbon content tends to make the cast iron very brittle, most commercially manufactured types have in the range of 2.5 to 4 per cent carbon.

Cast Iron melts readily and can be cast into complicated shapes which are usually machined to final dimensions. Since casting is the only suitable process applied to these alloys, they are known as cast irons.

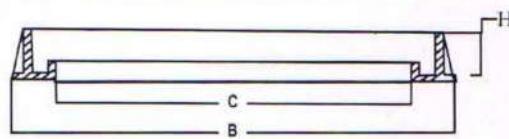
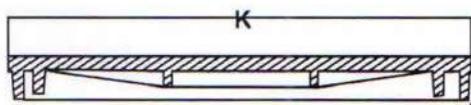
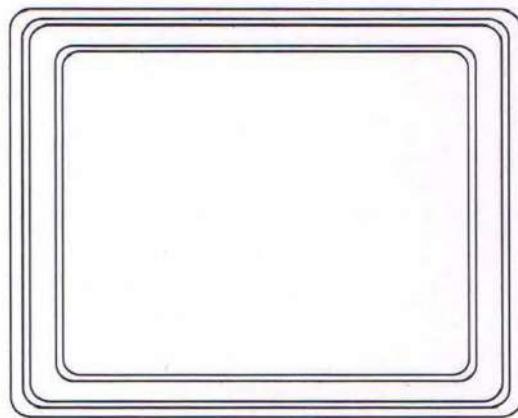
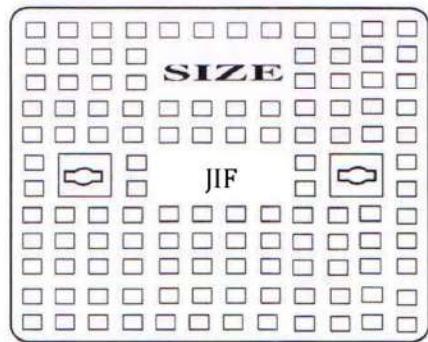
## STANDARD CLASSIFICATION

The appropriate class of manhole cover to be used depends upon the place of installation. The various places of installation have been divided into groups numbered 1 to 6, listed below. A guide as to which class of manhole cover should be used is shown in parentheses for each group. The selection of the appropriate class is the responsibility of the designer. Where there is any doubt, the stronger class should be selected.

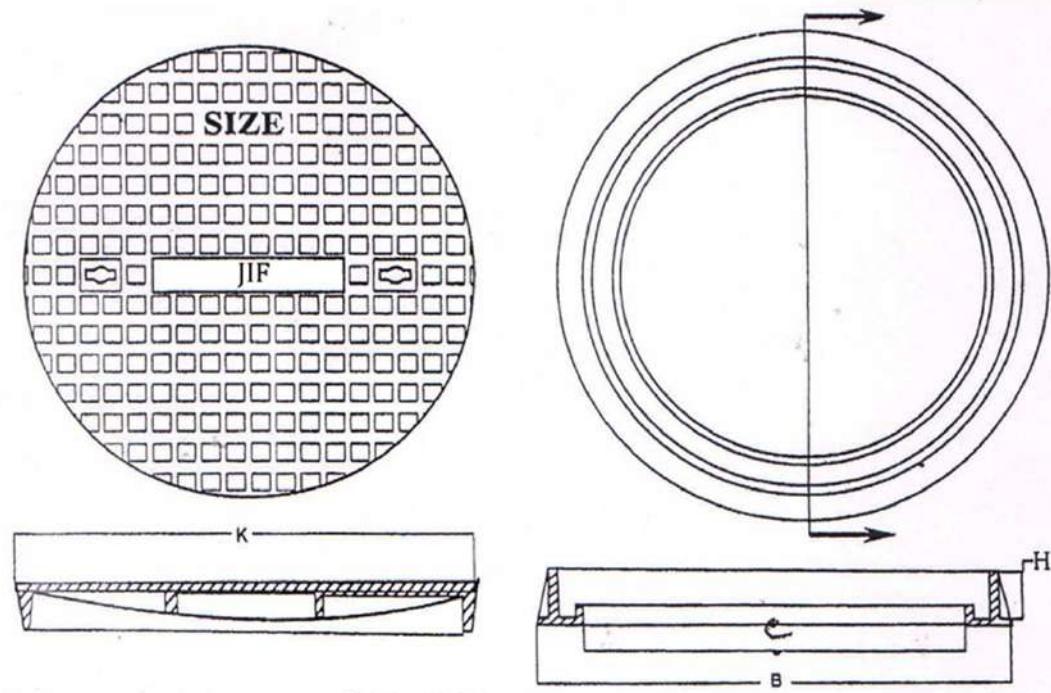


## PRODUCT RANGE

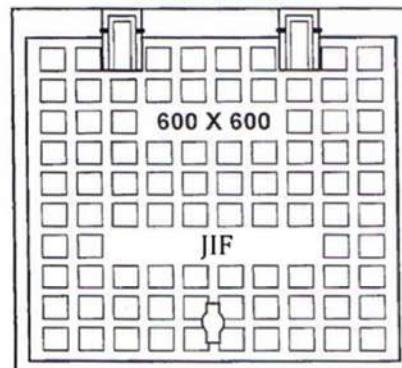
"JIF" BRAND RECTANGUKAR ISI MARKED CAST IRON COVERS & FRAME



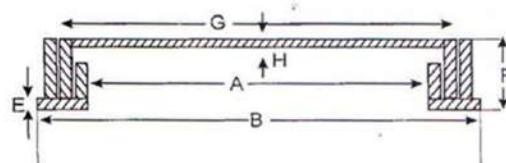
SIZE DIA	CLEAR OPENING ©	COVER OUTER (K)	OUTER BASE (FRAME) (B)	DEPTH (H)	LOAD TESTED
300 X 300 X 17 KGS.	300	405	440	33	5 TON]
450 X 450 X 32 KGS.	453	560	595	30	
450 X 450 X 45 KGS.	443	583	612	38	2.5 TON
600 X 600 X 65 KGS.	596	704	740	40	
600 X 600 X 115 KGS.	600	730	804	75	10 TON
560 X 560 X 250 KGS.	560	720	838	122	25 TON
TOLERANCE IN SIZE +/- 5MM IN THICKNESS +/- 1MM & IN WT +/- 5%					
(ALL DIMENSION IN MM)					

**"JIF" BRAND RECTANGUKAR ISI MARKED CAST IRON COVERS & FRAME**

SIZE DIA	CLEAR OPENING ◎	COVER OUTER (K)	OUTER BASE (FRAME) (B)	DEPTH (H)	LOAD TESTED
18" X 52 KGS.	450	625	704	55	8 TON
18" X 65 KGS.	450	625	704	55	10 TON
22" X 80 KGS.	500	665	746	75	10 TON
TOLERANCE IN SIZE +/- 5MM IN THICKNESS +/- 1MM & IN WT +/- 5% (ALL DIMENSION IN MM)					

**"JIF" BRAND RECTANGUKAR ISI MARKED CAST IRON COVERS & FRAME****EARTH PIT COVER  
(HINGE COVER)**

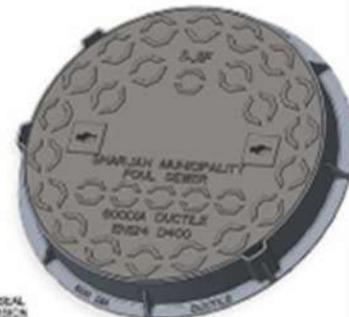
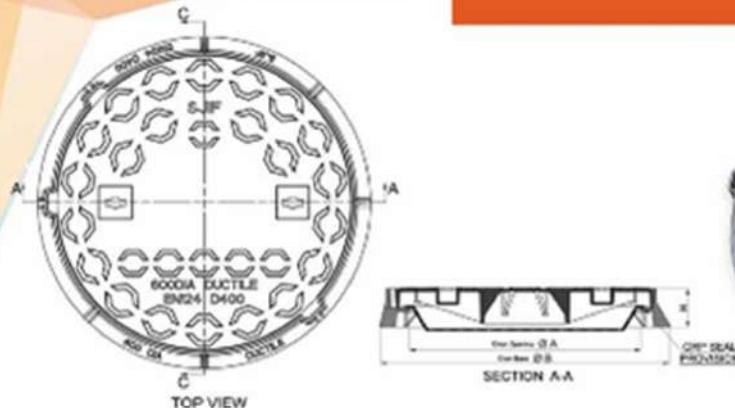
( ALL DIMENSION IN MM )



SI. No.	FRAME					COVER			WEIGHT	
	C.O A	O.D B	I.D B	THICKNESS E	HEIGHT F	O.D G	THICKNESS	COVER	FRAME	
	600 X 600	700 X 700	650 X 650		40	640 X 640				40 KGS

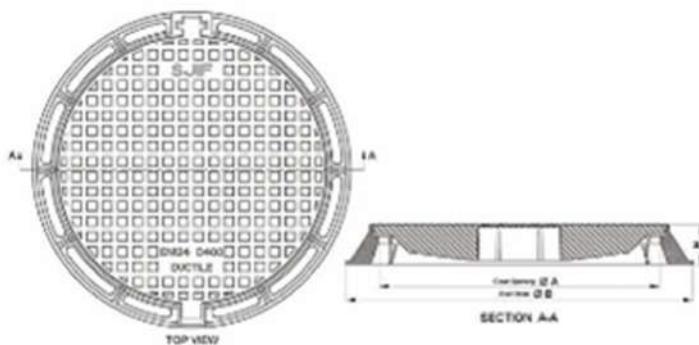
TOLERANCE IN SIZE +/- 5MM IN THICKNESS +/- 1MM & IN WT +/- 5%  
( ALL DIMENSION IN MM )

## ROUND ACCESS COVERS



Clear Opening(mm)	Over Base(mm)	Load	Height(mm)
600	750	D400	100
600	800	D400	100

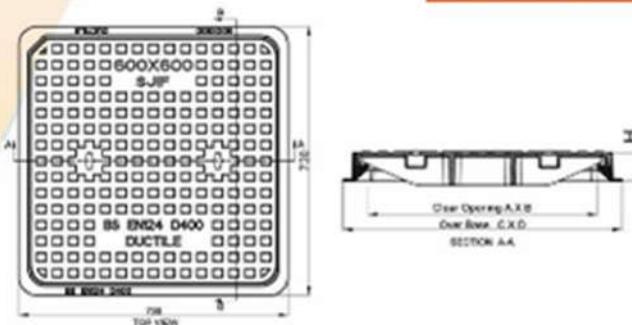
\* Patterns above are indicative. Various other sizes are available.



Clear Opening(mm)	Over Base(mm)	Load	Height(mm)
675	835	D400	100
600	750	D400	100

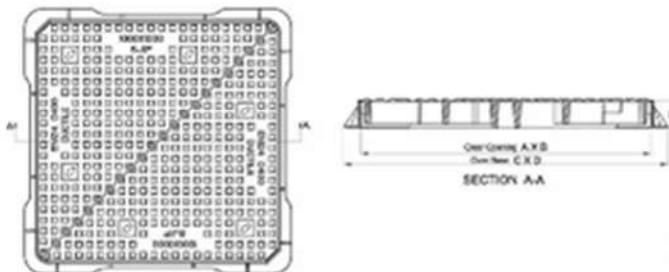
\* Patterns above are indicative. Various other sizes are available.

## SQUARE ACCESS COVERS



Clear Opening(mm)	Over Base(mm)	Load	Height(mm)	No. of Seal
600 x 600	730 x 730	D400	75	Single Seal
800 x 800	960 x 960	D400	100	Single Seal
700 x 700	850 x 850	D400	100	Single Seal
400 x 400	490 x 490	D400	50	Single Seal
500 x 500	590 x 590	D400	50	Single Seal
300 x 300	400 x 400	B125	40	Single Seal
300 x 300	420 x 420	D400	75	Single Seal
450 x 450	550 x 550	B125	40	Single Seal
450 x 450	570 x 570	D400	75	Single Seal
750 x 750	930 x 930	D400	100	Single Seal

\* Patterns above are indicative. Various other sizes are available.



Clear Opening(mm)	Over Base(mm)	Load	Height(mm)
600 x 600	720 x 720	D400	100
750 x 750	900 x 900	D400	100
1000 x 1000	1160 x 1160	D400	100

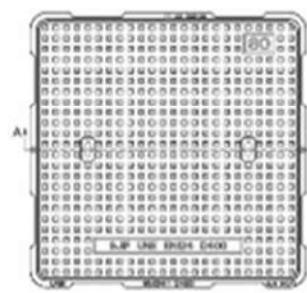
\* Patterns above are indicative. Various other sizes are available.

## SQUARE ACCESS COVERS



Clear Opening(mm)	Over Base(mm)	Load	Height(mm)
202 x 202	300 x 300	B125	30
302 x 302	400 x 400	B125	30
400 x 400	500 x 500	B125	30
500 x 500	600 x 600	B125	35
600 x 600	700 x 700	B125	40
400 x 400	500 x 500	D400	40
400 x 400	500 x 500	D400	75
500 x 500	600 x 600	D400	75
600 x 600	700 x 700	D400	75

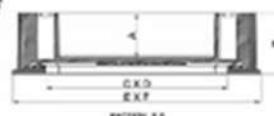
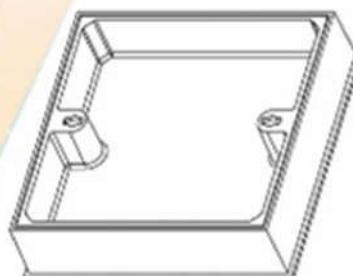
\* Patterns above are indicative. Various other sizes are available.



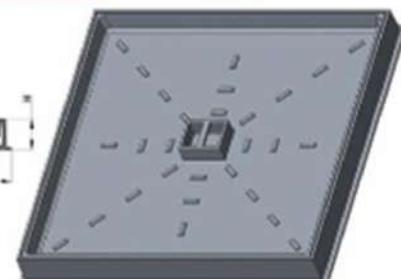
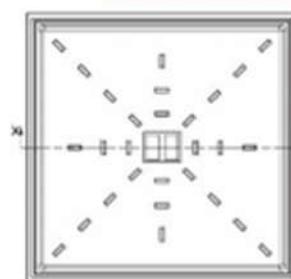
Clear Opening(mm)	Over Base(mm)	Load	Height(mm)
400 x 400	500 x 500	D400	75
500 x 500	600 x 600	D400	75
600 x 600	700 x 700	D400	75
700 x 700	820 x 820	D400	100
800 x 800	920 x 920	D400	100

\* Patterns above are indicative. Various other sizes are available.

## RECESSED COVERS



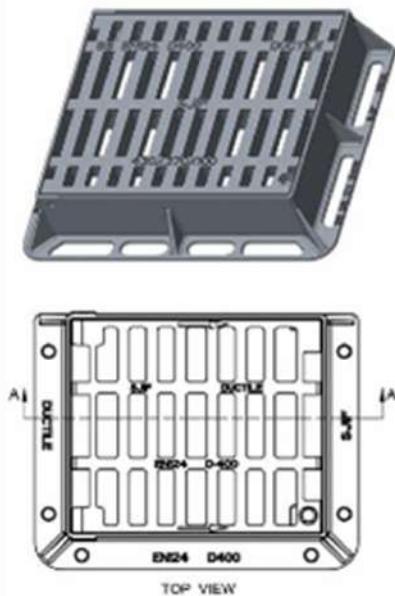
Clear Opening(mm)	Over Base(mm)	Load	Height(mm)	No. of Seal
600 x 600	730 x 730	D400	75	Single Seal
800 x 800	960 x 960	D400	100	Single Seal
700 x 700	850 x 850	D400	100	Single Seal
400 x 400	490 x 490	D400	50	Single Seal
500 x 500	590 x 590	D400	50	Single Seal
300 x 300	400 x 400	B125	40	Single Seal
300 x 300	420 x 420	D400	75	Single Seal
300 x 300	480 x 480	D400	100	Single Seal
450 x 450	600 x 600	D400	100	Single Seal
600 x 600	750 x 750	D400	90	Single Seal
800 x 800	960 x 960	D400	100	Single Seal
900 x 900	1080 x 1080	D400	100	Single Seal
1000 x 1000	1180 x 1180	D400	100	Single Seal



Clear Opening(mm)	Over Base(mm)	Load	Height(mm)
408 x 408	720 x 720	B125/C250/D400	57.5
522 x 522	900 x 900	B125/C250/D400	63

\* Patterns above are indicative. Various other sizes are available.

## GULLY GRATES

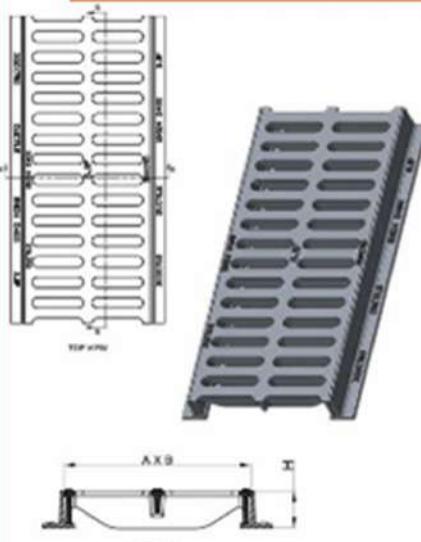


Clear Opening(mm)	Over Base(mm)	Load	Total Depth
300 x 300	333 x 350	125kN	50
450 x 450	540 x 664	180kN	87
280 x 360	440 x 360	C250	70
300 x 300	400 x 400	D400	75
600 x 600	700 x 700	D400	100
430 x 370	540 x 441	D400	100
385 x 315	530 x 403	D400	100
336 x 308	496 x 398	D400	75
400 x 400	500 x 500	D400	100
450 x 450	538 x 592	D400	100



\* Patterns above are indicative. Various other sizes are available.

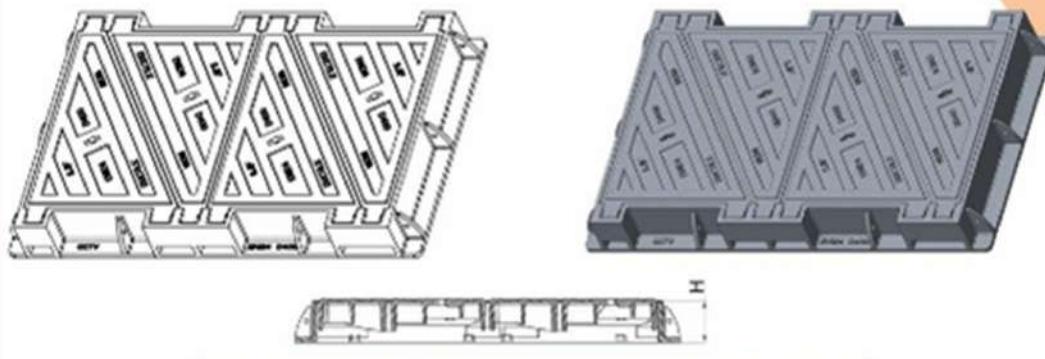
## CHANNEL GRATES



Clear Opening(mm)	Length (mm)	Load	Seating Depth
150	750	C250	25
250	700	C250	25
450	750	D400	25
350	750	D400	25
300	750	D400	25
250	750	D400	25
200	750	D400	25
250	700	D400	25
400	750	D400	35
100	750	D400	25
600	750	D400	25
450	750	D400	35
450	750	F900	50
400	750	F900	50
300	750	F900	50
80	600	.....	60

\* Patterns above are indicative. Various other sizes are available.

## CARRIAGEWAYS



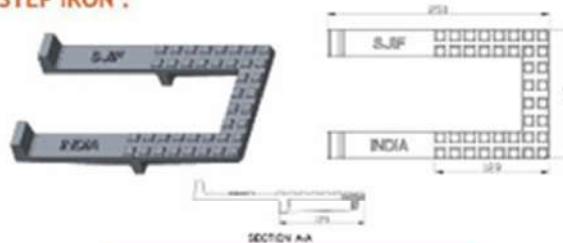
Clear Opening(mm)	Over Base(mm)	Load	Height(mm)
702 x 702	910 x 910	D400	100
702 x 1402	910 x 1610	D400	100
696 x 696	1374 x 850	D400	150
696 x 1830	850 x 1984	D400	150

\* Patterns above are Indicative. Various other sizes are available.

## CARRIAGeway / MANHOLE COVER ACCESSORIES :



## STEP IRON :



Length	Breadth	Height(mm)
175	145	125
185	145	125
250	145	125
370	145	125
250	150	125

## LIFTING KEY :



Type	Length	Breadth
"T" TYPE	280	130
"V" TYPE	290	150

\* Patterns above are Indicative. Various other sizes are available.

## ALUMINUM MANHOLE COVERS

## HEAVY DUTY ALUM. MANHOLE COVERS

Manhole Covers					اغطية مناهل
Internal Frame Height	Internal Frame	Outer Frame Height	Net Outer Frame	Outer Frame	TYPE
E	D	C	B	A	
4.7 cm	16 cm	6.3 cm	6.5 cm	20 cm	20 x20 cm
4.7 cm	26 cm	6.3 cm	16.5 cm	30 cm	30 x 30 cm
4.7 cm	36 cm	6.3 cm	26.5 cm	40 cm	40 x 40 cm
4.7 cm	46 cm	6.3 cm	36.5 cm	50 cm	50 x 50 cm
4.7 cm	56 cm	6.3 cm	46.5 cm	60 cm	60 x 60 cm
4.7 cm	66 cm	6.3 cm	56.5 cm	70 cm	70 x 70 cm
4.7 cm	76 cm	6.3 cm	66.5 cm	80 cm	80 x 80 cm
4.7 cm	86 cm	6.3 cm	76.5 cm	90 cm	90 x 90 cm
4.7 cm	96 cm	6.3 cm	86.5 cm	100 cm	100 x 100 cm

Manhole covers 2 doors					اغطية مناهل بابين
Internal Frame Height	Internal Frame	Outer Frame Height	Net Outer Frame	Outer Frame	TYPE
E	D	C	B	A	
4.7 cm	24.5 x 56 cm	6.3 cm	25 x 48 cm	60 cm	60 x60 cm
4.7 cm	29.5 x 66 cm	6.3 cm	30 x 58 cm	70 cm	70 x 70 cm
4.7 cm	34.5 x 76 cm	6.3 cm	35 x 68 cm	80 cm	80 x 80 cm
4.7 cm	39.5 x 86 cm	6.3 cm	40 x 78 cm	90cm	90 x 90 cm
4.7 cm	44.5 x 96 cm	6.3 cm	45 x 88 cm	100 cm	100 x 100 cm
4.7 cm	49.5 x 106 cm	6.3 cm	50 x 98 cm	110 cm	110 x 110 cm
4.7 cm	54.5 x 116 cm	6.3 cm	55x 108 cm	120 cm	120 x 120 cm

Manhole covers 3 doors					اغطية مناهل ثلاثة ابواب
Internal Frame Height	Internal Frame	Outer Frame Height	Net Outer Frame	Outer Frame	TYPE
E	D	C	B	A	
4.7 cm	27 x 86 cm	6.3 cm	24 x 78 cm	90cm	90 x 90 cm
4.7 cm	30.5 x 96 cm	6.3 cm	27 x 88 cm	100 cm	100 x 100 cm
4.7 cm	37 x 116 cm	6.3 cm	54 x 108 cm	120 cm	120 x 120 cm

### المواصفات الفنية

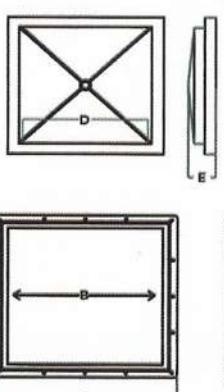
البرير :  
الغطاء له بير مزدوج ومصنوع من  
مادة PDM و مقاوم للظروف الجوية

براغي الزاوية :  
ستانلس ستيل

الشبك الحديد :  
سمك 2.3 ملم

البروفيلات :  
مصنوع من مادة الألمنيوم  
النقي من أفضل الشركات

الألواح :  
مصنوعة من النقي أنواع  
الألمنيوم، سمك 2 ملم  
ومغلف من الأسفل بطبقة  
بلاستيك لحمايته من ظروف  
الاكسدة وابخرة المياه



#### Technical Specifications :

Profile : Pure Aluminum

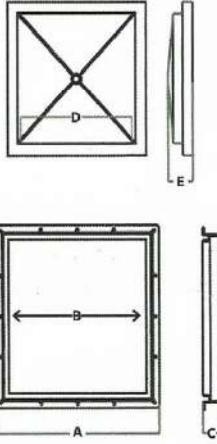
Sheet : 2 mm thickness wrapped from Below with  
Plastic to protect from oxidation and water  
vapors

Rubber : Double Made from PDM

Bolts : Stainless Steel

Wire Mesh : 2.3 mm Thickness

## MEDIUM DUTY ALUM. MANHOLE COVERS



**MANHOLE COVERS**

INTERNAL COVER HEIGHT	INTERNAL COVER	OUTER FRAME HEIGHT	NET OUTER FRAME OPINING	OUTER FRAME	
E	D	C	B	A	
3.5 CM	27 CM	4.7 CM	20.0 CM	30 CM	30x30 CM
3.5 CM	37 CM	4.7 CM	30.0 CM	40 CM	40x40 CM
3.5 CM	47 CM	4.7 CM	40.0 CM	50 CM	50x50 CM
3.5 CM	57 CM	4.7 CM	50.0 CM	60 CM	60x60 CM
3.5 CM	67 CM	4.7 CM	60.0 CM	70 CM	70x70 CM
3.5 CM	77 CM	47 CM	70.0 CM	80 CM	80x80 CM

### أغطية مناهل

#### المواصفات الفنية:

الربر :  
الغطاء له ربر مزدوج ومصنوع من  
مادة PDM ومقاوم للظروف الجوية

برافي الزاوية :  
ستانلس ستيل  
الشبك الحديد :  
سماكه 2.3 ملم

البروفيلات:  
مصنوع من مادة الألمنيوم  
النقي من أفضل الشركات

الألواح:  
مصنوعة من أنقى انواع  
الالمنيوم، سماكه 2 ملم  
ومغلف من الأسفل بطبقة  
بلاستيك لحمايته من ظروف  
الاكسدة وابخرة المياه

#### Technical Specifications :

**Profile :** Pure Aluminum

**Sheet :** 2 mm thickness wrapped from Below with  
Plastic to protect from oxidation and water  
vapors

**Rubber :** Double Made from PDM

**Bolts :** Stainless Steel

**Wire Mesh :** 2.3 mm Thickness

Silver Square Trading &Invs.

Made In Jordan

مصنع المربع الفضي

صنع في الأردن

اغطية مناهل



MANHOLE COVERS

E	D	C	B	A	الصنف
4.7 cm	16 cm	6.3 cm	6.5 cm	20 cm	20x20 cm
4.7 cm	26 cm	6.3 cm	16.5 cm	30 cm	30x30 cm
4.7 cm	36 cm	6.3 cm	26.5 cm	40 cm	40x40 cm
4.7 cm	46 cm	6.3 cm	36.5 cm	50 cm	50x50 cm
4.7 cm	56 cm	6.3 cm	46.5 cm	60 cm	60x60 cm
4.7 cm	66 cm	6.3 cm	56.5 cm	70 cm	70x70 cm
4.7 cm	76 cm	6.3 cm	66.5 cm	80 cm	80x80 cm
4.7 cm	86 cm	6.3 cm	76.5 cm	90 cm	90x90 cm
4.7 cm	96 cm	6.3 cm	86.5 cm	100 cm	100x100 cm



اغطية مناهل باين

E	D	C	B	A	الصنف
4.7 cm	24.5 x 56 cm	6.3 cm	25 x 48 cm	60 cm	60x60 cm
4.7 cm	29.5 x 66 cm	6.3 cm	30 x 58 cm	70 cm	70 x 70 cm
4.7 cm	34.5 x 76 cm	6.3 cm	35 x 68 cm	80 cm	80 x 80 cm
4.7 cm	39.5 x 86 cm	6.3 cm	40 x 78 cm	90 cm	90 x 90 cm
4.7 cm	44.5 x 96 cm	6.3 cm	45 x 88 cm	100 cm	100 x 100 cm
4.7 cm	49.5 x 106 cm	6.3 cm	50 x 98 cm	110 cm	110 x 110 cm
4.7 cm	54.5 x 116 cm	6.3 cm	55 x 108 cm	120 cm	120 x 120 cm



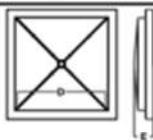
اغطية مناهل ثلاثة أبواب

E	D	C	B	A	الصنف
4.7 cm	27 x 86 cm	6.3 cm	24 x 78 cm	90 cm	90 x 90 cm
4.7 cm	30.5 x 96 cm	6.3 cm	27 x 88 cm	100 cm	100 x 100 cm
4.7 cm	37 x 116 cm	6.3 cm	34 x 108 cm	120 cm	120 x 120 cm



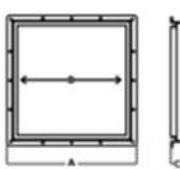
المواصفات الفنية:

البروغلات: مصنوع من مادة الالمنيوم النقفي من أفضل الشركات.



الألواح مصنوعة من النقفي أنواع الالمنيوم وسمكها 2 ملم ومحلف من الاسفل بطريقة بلاستيك لحمايته من ظروف الاكسدة وابخرة الماء.

الربر: الفطale له ربر مزدوج ومصنوع من مادة PDM و مقاوم للظروف الجوية.



براغي الزاوية ستانلس ستيل، تم عملية الكبس والتصنيع للزواليا بنظام الكبس عالي الجودة واحتلت المراكبات في العالم.

الشبك حديد سمكها 2,3 ملم.

شركة المربع الفضي لتجارة وتصنيع - دارجة العبد - عمان - 1 - 064120096 - 0799465339 - silversquare1@outlook.com

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Made In Jordan

## مصنع المربع الفضي

صنع في الأردن  
Geint مناهل اغطية

MANHOLE COVERS					اعطية صاهيل	
ارتفاع البابطة الداخلية	البابطة الداخلية	ارتفاع الفريم الخارجي	ارتفاع الفريم الخارجي	مسافر فتحة الفريم الخارجي	الفريم الخارجي	الصنف
E	D	C	B	A		
4.7 cm	16 cm	6.3 cm	8.5 cm	20 cm	20x20 cm	
4.7 cm	26 cm	6.3 cm	16.5 cm	30 cm	30x30 cm	
4.7 cm	36 cm	6.3 cm	26.5 cm	40 cm	40x40 cm	
4.7 cm	46 cm	6.3 cm	36.5 cm	50 cm	50x50 cm	
4.7 cm	56 cm	6.3 cm	46.5 cm	60 cm	60x60 cm	
4.7 cm	66 cm	6.3 cm	56.5 cm	70 cm	70x70 cm	
4.7 cm	76 cm	6.3 cm	66.5 cm	80 cm	80x80 cm	
4.7 cm	86 cm	6.3 cm	76.5 cm	90 cm	90x90 cm	
4.7 cm	96 cm	6.3 cm	86.5 cm	100 cm	100x100 cm	



العنوان	العنوان	العنوان	العنوان	العنوان	العنوان	العنوان
E	D	C	B	A		العنوان
4.7 cm	24.5 x 56 cm	6.3 cm	23 x 48 cm	60 cm		60 x 60 cm
4.7 cm	29.5 x 66 cm	6.3 cm	30 x 58 cm	70 cm		70 x 70 cm
4.7 cm	34.5 x 76 cm	6.3 cm	35 x 68 cm	80 cm		80 x 80 cm
4.7 cm	39.5 x 86 cm	6.3 cm	40 x 78 cm	90 cm		90 x 90 cm
4.7 cm	44.5 x 96 cm	6.3 cm	45 x 88 cm	100 cm		100 x 100 cm
4.7 cm	49.5 x 106 cm	6.3 cm	50 x 98 cm	110 cm		110 x 110 cm
4.7 cm	54.5 x 116 cm	6.3 cm	55 x 108 cm	120 cm		120 x 120 cm



اعطية مناهل ثلاثة ابواب					
العنوان	العنوان	العنوان	العنوان	العنوان	العنوان
E	D	C	B	A	
4.7 cm	37 x 86 cm	6.3 cm	24 x 78 cm	90cm	90 x 90 cm
4.7 cm	30.5 x 96 cm	6.3 cm	27 x 88 cm	100 cm	100 x 100 cm
4.7 cm	37 x 116 cm	6.3 cm	54 x 106 cm	120 cm	120 x 120 cm



**المواصفات الفنية:**

**البروفيلات:** مصنوع من مادة الالمنيوم النقي من أفضل الشركات.

الألواح مصنوعة من أدق أنواع الالمنيوم وسمكها 2 ملم ومختلف من الأسفل بخطوة بحسب تطبيقاته من طرفي الاكسدة وبآخر المهام.

**الابواب:** الفطاء له زر مزدوج ومصنوع من مادة PDM ومقاوم للظروف الدوارة.

**براغي الزاوية ستانلس ستيل:**

تم عملة الكبس والتتصنع للزجاج بنظام الكبس عالي الدودة وادحت الماكبات في العالم.

**الشيك حديد سمكية 2.3 ملم.**

فرعية جميع المعدن المقاومة والصبار - درجة الصغر - داوا - فوج طنطا - 3 - سقارة - 4 - العاشر من رمضان - 6641320099 - 0644120099 - [www.elsaqqa.com](http://www.elsaqqa.com) - [elsaqqa2009@yahoo.com](mailto:elsaqqa2009@yahoo.com)

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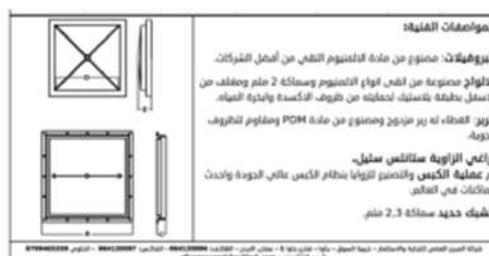


صنع في الأردن

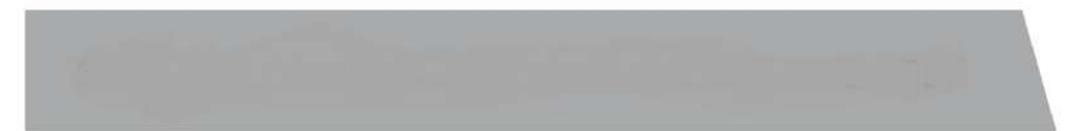
اعطية منهاهل Elegant

مانحات مياه					الصنف
الصنف	الارتفاع	العرض	الارتفاع	العرض	الارتفاع
E	D	C	B	A	
3.5 Cm	17 Cm	4.7 Cm	10.0 Cm	20 Cm	20 • 20 Cm
3.5 Cm	27 Cm	4.7 Cm	20.0 Cm	30 Cm	30 • 30 Cm
3.5 Cm	37 Cm	4.7 Cm	30.0 Cm	40 Cm	40 • 40 Cm
3.5 Cm	47 Cm	4.7 Cm	40.0 Cm	50 Cm	50 • 50 Cm
3.5 Cm	57 Cm	4.7 Cm	50.0 Cm	60 Cm	60 • 60 Cm
3.5 Cm	67 Cm	4.7 Cm	60.0 Cm	70 Cm	70 • 70 Cm
3.5 Cm	77 Cm	4.7 Cm	70.0 Cm	80 Cm	80 • 80 Cm

MANHOLE COVERS		Model Luxury			اغطية مناهيل	
ارتفاع المدخل المائي	المدخل المائي	ارتفاع المخرج المائي	صافي فتحة المخرج المائي	المخرج المائي		الصنف
E	D	C	B	A		
3.5 Cm	47 Cm	4.7 Cm	40.0 Cm	50 Cm		50 + 50 Cm
3.5 Cm	57 Cm	4.7 Cm	50.0 Cm	60 Cm		60 + 60 Cm
3.5 Cm	67 Cm	4.7 Cm	60.0 Cm	70 Cm		70 + 70 Cm



- يتم تفصيل اي مقاس حسب الطلب -



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مصنع المربع الفضي

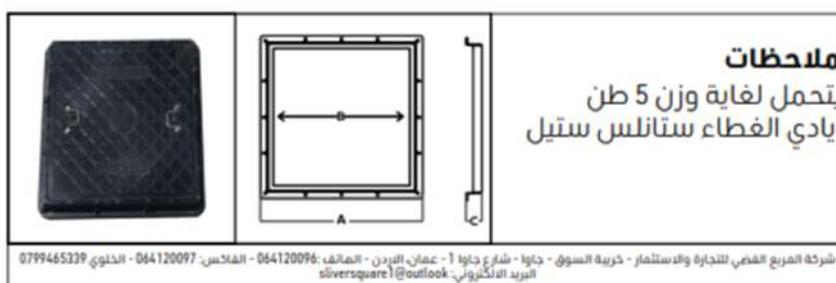
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صنع في الأردن

اغطية مناهل

MANHOLE FIBER				مناهل فيبر	
الوزن	C	B	A		الصنف
ك 4.1	4 CM	22.4 CM	31.7 CM		30×30 CM
ك 7	3.4 CM	25.8 CM	40 CM		40×40 CM
ك 12	4 CM	37 CM	46.5 CM		50×50 CM
ك 17	5 CM	46.8 CM	57.5 CM		60×60 CM
ك 23	5.5 CM	58.3 CM	67 CM		70×70 CM
ك 43	6 CM	66 CM	80 CM		80×80 CM

الألوان المتوفرة: أسود، سكني، كرميدي، بيج





Manhole covers are made Aluminium Sheets . These covers need to be heavy so that when vehicles drive over them, they do not become dislodged. Manhole covers normally weigh 100+ pounds each. Some have open pick holes which allow water to enter the manhole. Others have concealed pick holes which do not go all the way through the cover or lift handles such as drop handles or ring handles. Manhole covers can be bolted to the frame for security reasons. Manhole covers can also have a gasket on the bottom of the cover and bolted to the frame which is normally considered watertight.

### Ductile Iron Manhole Covers

The Ductile Iron Manhole Covers have exceptionally strong resistance against corrosion and rust. They have advanced molecular, excellent additional strength and shock load resistance. These can deal with heavy and fast moving traffic. Ductile Iron Manhole Covers allow for optimum speed and ease of access. They can replace the conventional alternatives. These have uniqueness and strength. These are the removable plates, used to cover the manholes and protecting them. Also, these prevent the person from falling into it. They are easy to handle and have more load bearing capacity.





About product:

- Aluminium Recessed Covers. The aluminium covers are odour and waterproof and available in multiple sizes and heights, depending on the application.
- Frame and cover are made of extruded aluminium profile and are easy to open with the lifting keys.
- Application: outdoor and Indoor
- Cover with the cover placed freely in the outer frame.
- Standard equipped with a Galvanized reinforcement mesh.
- 2 mm Aluminium Base plate.
- Two seals: one seal at the base and another rubber seal incorporated into the outer frame.
- The Out frame rubber seal has three functions:
  - It prevents dirt between the cover and the frame.
  - The rubber's elastic effect avoids tension between the cover and the frame.
  - It offers an additional smell barrier

**BS:EN124-3 2015 Standard.**

**Features:** Gas, smell, and waterproof. The cover has a double high-grade EPDM seal and there

is a T rubber seal on the side of the frame to prevent dirt infiltration between frame and cover

**Applications:**

floor, road, driveway, garden, park, Industry, Construction and public use , Outdoor use for balconies, garage doors, patios

Material : Extruded Aluminium Frame an6063/6082

Bolts : Stainless Steel

Revit's : Aluminium

Wire Mesh : Galvanized Steel

Height : 50-60 mm ( and can be More depending on project requirements )

Recess Depth : 40-50 mm or as required by project

Type of Seal : EPDM Double Seal

Load Type : Medium/ Heavy Duty

**Description:**

- Aluminium recessed cover is a smell and waterproof aluminium inspection cover. The inspection covers are expertly provided with two seals: two seals at the base and the side of the frame .
- High quality, strong, resistant and recyclable Double sealed aluminium recessed access covers. Available in 40, 60 and 80mm depths, they are suitable for outdoor and indoor use, in areas where a superior finish is required.
- Aluminium are available in different heights: 55mm – 80mm – 100mm. This makes it easy for the contractor to select the right inspection cover for each application.
- The Double Seal aluminium accessed covers offer a superior finish for a wide range of flooring finishes. Available in frame depths of 40, 60 and 80mm and tray depths starting at 27mm.
- Designed with a narrow frame width to offer a near seamless edge, providing an aesthetically pleasing finish. The tray depths provide compatibility with nearly all infill materials, including popular porcelain paving, which has seen a huge surge in demand.
- The strong, corrosion-resisting aluminium finish blends seamlessly with its environment. With a neoprene Double seal any risk of odours escaping the chamber is removed, while limiting ingress of any dirt or water from entering the chamber. Minimising any unseen issues from occurring below.
- All covers come ready packed with threaded keys for easy lifting through screw holes. Contractors can rely on the range for both internal and outdoor applications, including patios, driveways, and conservatories in residential applications as well as education, health, leisure, and retail sectors.

**General :**

Self-secured by the weight of the infill

Lifting holes covered with plastic caps

Recommended for exterior applications

Extruded aluminum frame and easy to open

The cover is odor and waterproof

## Aluminium Manhole Covers Applications

- Residential - patios, driveways, conservatories
- Retail - shops and shopping precincts, car showrooms
- Hotels
- Hospitals
- Kitchens
- Light commercial delivery areas
- Stations and airports
- Schools
- Sports and leisure facilities
- Villas and walkways

## Aluminium Alloy 6063 Technical Data Sheet

### **Aluminum Alloy 6063**

Aluminum alloy 6063 is a medium strength alloy commonly referred to as an architectural alloy. It is normally used in intricate extrusions.

It has a good surface finish, high corrosion resistance, is readily suited to welding and can be easily anodized. Most commonly available as T6 temper, in the T4 condition it has good formability.

#### **Applications :6063 is typically used in:**

Architectural applications

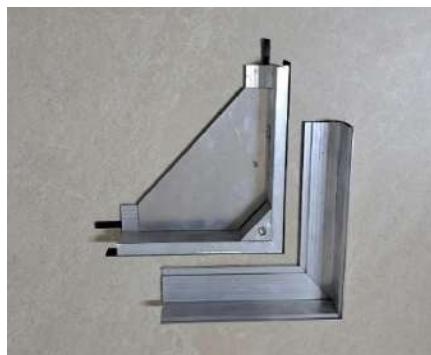
Extrusions

Window frames

Doors

Shop fittings

Irrigation tubing



## Aluminum Manhole Frame and cover components

### Key Features of Our Aluminium Covers :

- Easy to open with two lifting keys included
- Waterproof & Odour proof
- EPDM seal with "T-rubber" seal
- Aluminium frame & cover
- Reinforcement mesh included with the cover



## LEFTING KEY

- Lifting Keys Included
- These manhole covers are supplied with two lifting keys as standard meaning you will not need any additional tools or components to remove these covers once fitted. These keys are galvanised making them corrosion resistant and will remain durable over long periods of time.
- These keys are used by simply removing the plastic dust cap, using the un-threaded end to remove the bolt from the keyhole, then swapping to the threaded end to screw into the cover.



## REINFORCED WIRE MESH

- **Reinforcement Mesh For Added Rigidity**

To improve the structural integrity of the cover once filled with your infill of choice, they are supplied with a reinforcement mesh which increases the load-bearing resistance of the cover infill. Many cheaper infill and recessed manhole covers do not have this feature making them less suited to areas with high loads.



## EPDM DOUBLE SEAL RUBBER

Aluminium Cover Double seal are the perfect choice for areas where an aesthetically pleasing inspection cover is required. The recessed top allows grass or block pavers to be installed blending in with the surrounding area. Available in both a double sealed configuration these access covers keep odours locked below ground level, this is ideal if covers are close to areas with high foot traffic. This odour locking system makes these covers especially well suited to patios and driveways. The seals used on these aluminium covers are made from 99.9% pure EPDM, ensuring it stands the test of time.

These aluminium recessed access covers are available in a wide range of sizes and depths giving you great flexibility when installing. Starting at 300x300mm, clear opening sizes go up to 1000x1000mm and many in between, we should have a cover to suit your needs

- Rubber Seals To Stop Odour Leakage

To keep these covers waterproof and odour proof, they have been linked with an elasticated rubber seal built into the side of the outer frame. This seal allows for reduced tension and prevention of dirt ingress between the cover and frame. This in turn reduces any unwanted odours from escaping the manhole.

### Double Seal EPDM Rubber is Placed in Track



## Channel Grating

- Channel Grating 73.5cm x 32.5 Cm outer dimension Medium Duty
- Test Load 13.0 Tons as Per ACES ( Arab Centre Labs ) as shown in test report
- Material : Aluminium Channel and Frame
- Serrated grating provides maximum slip resistance.
- Aluminum grating is more corrosion resistant Plus, it's lightweight, non sparking, and nonmagnetic.
- USE Used for the collection and drainage of rainwater. The matching to its pre-mounted grating allows the use in pedestrian or light traffic areas.





# **HITECH METAL FORMING**

**The Edge Of Innovation**

## ***HITECH METAL FORMING***

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