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Precast Concrete System

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Since 2015

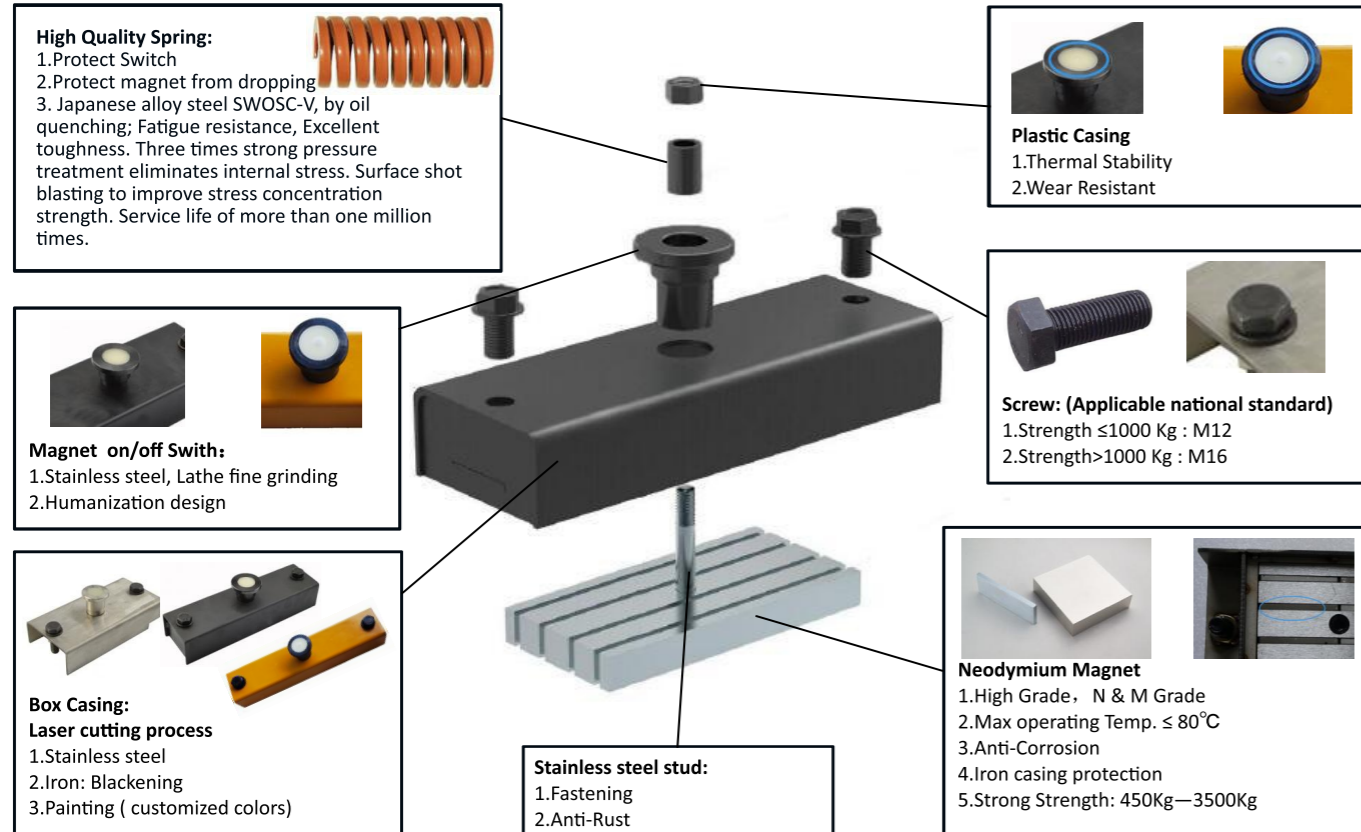


Shuttering Magnet



Shuttering magnets are one the most important accessory of precast concrete magnets which are mainly designed to fix the side rails and block out when pouring concrete. The precast concrete magnet consists of a metal casing, a magnetic system, and an effective on/off button, which provides quick operation leading to improved efficiency when setting out and removing the shuttering Magnet.

Structural Analysis



Specification

Number	Size(mm)	Full Force(kg)	Shell Material
GME-450	170*60*43	≥ 450	Stainless Steel/Carbon Steel
GME-600	200*60*43	≥ 600	Stainless Steel/Carbon Steel
GME-900	280*60*43	≥ 900	Stainless Steel/Carbon Steel
GME-1000	200*95*43	≥ 1000	Stainless Steel/Carbon Steel
GME-1300	220*120*43	≥ 1300	Stainless Steel/Carbon Steel
GME-1350	320*90*60	≥ 1350	Carbon Steel
GME-1600	278*120*60	≥ 1600	Carbon Steel
GME-1800	320*120*60	≥ 1800	Carbon Steel
GME-2100	320*120*60	≥ 2100	Carbon Steel
GME-2500	320*120*60	≥ 2500	Carbon Steel
GME-3000	320*160*60	≥ 3000	Carbon Steel

Custom sizes, please contact us for more details

Other Types





Magnetic Formwork



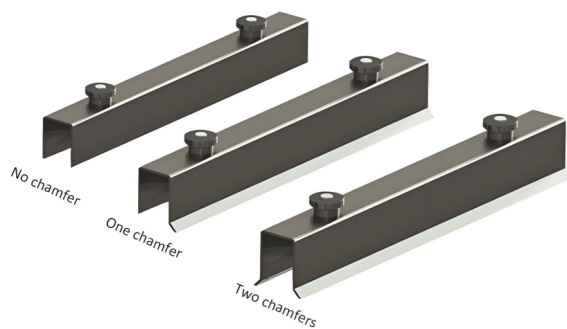
Magnetic formwork is used for the production of precast concrete structures. The adapters with the shuttering magnets are placed on the points of the magnetic formwork fixation. When concrete is set, a formwork is demoulded by removing equipment. Some shuttering magnet systems are equipped with adaptors for magnetic formwork fixation. Magnetic formwork systems increase productivity in precast concrete factories, thanks to their simplicity and ease of use.

Specification



H-profile Magnetic Formwork

Length(mm)	High(mm)	Nos. Magnet
1195	70	2*450
2475	80	2*900
300	150	3*2100
300	200	3*2100
3048	152	3*2100

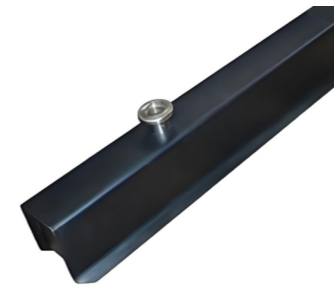


U-profile Magnetic Formwork

Length(mm)	High(mm)	Nos. Magnet
750	70	2*450
1000	50	2*600
1000	70	2*600
1500	70	2*900
2000	50	2*900
2000	70	2*600
2000	80	2*600
3000	60	3*900
3000	70	3*1000
3000	80	3*1200
3980	70	4*900

Custom sizes, please contact us for more details

Formwork Materials and Processing Technology



Q235A Carbon Steel, Blackening Treatment



Q235A Carbon Steel, Polished Treatment

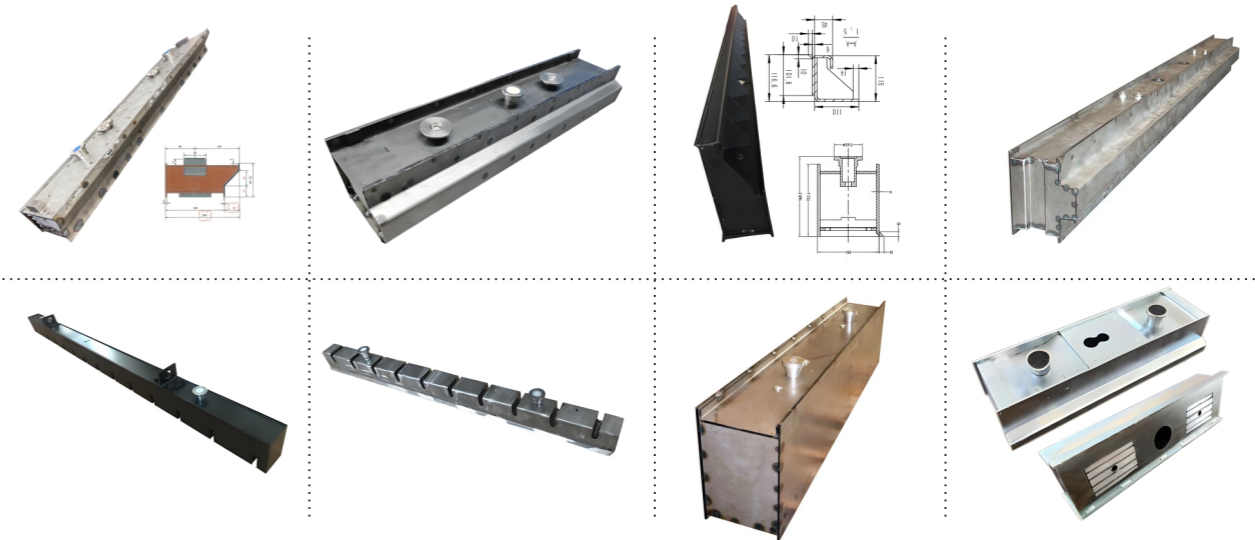


Aluminum Alloy



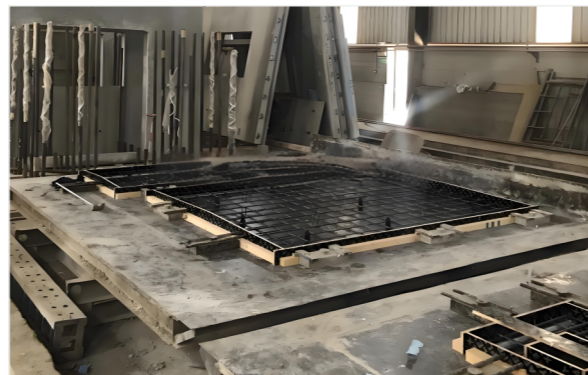
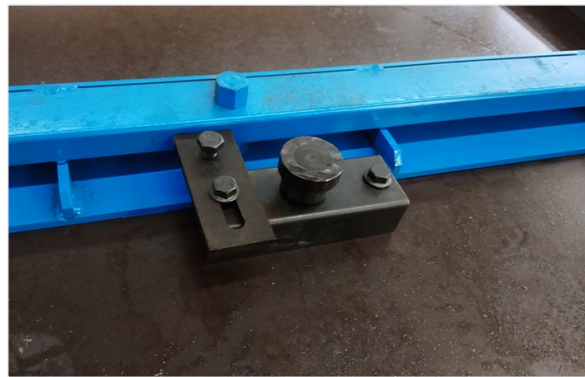
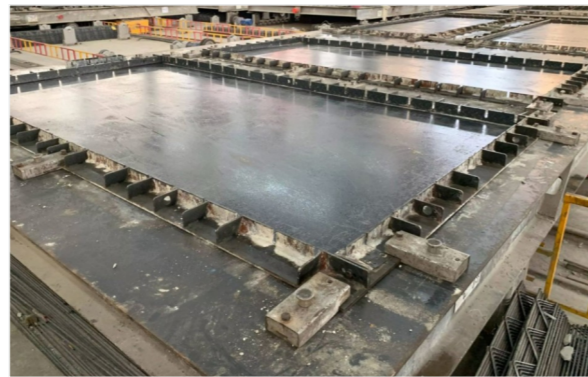
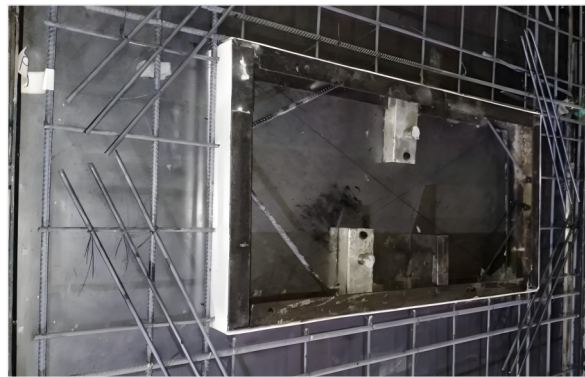
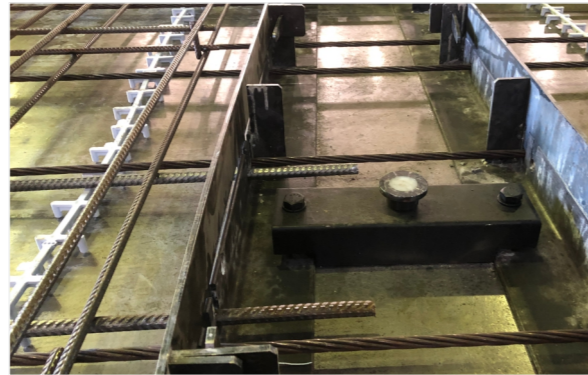
Stainless Steel

Other Customized Types

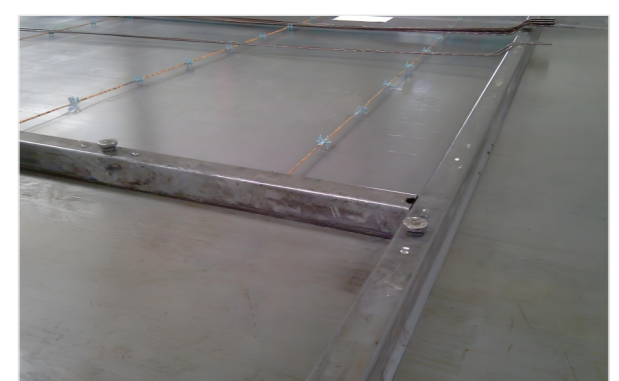
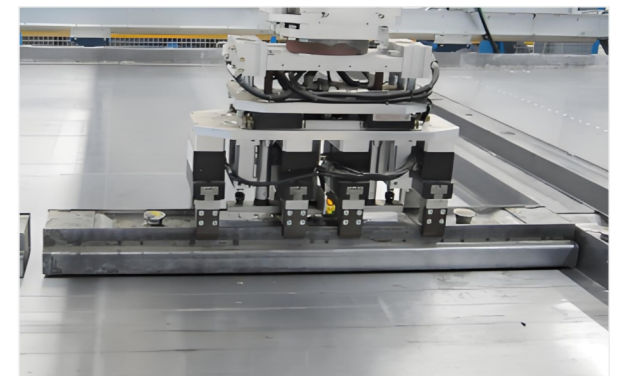




Shuttering Magnet Application



Formwork Magnet Application





How To Maintain Shuttering Magnet and Formworks

1.The platform on which the product is used should be kept clean and flat. Before using the product, check whether the bottom of the product and the platform are clean and flat. If there are foreign objects at the bottom of the product, you can use a stainless steel scraper to clean them (iron scrapers will be adsorbed and cannot be cleaned).

2.The magnetic force on the suction surface of the product is very strong. You should avoid being close to precision instruments, electronic instruments and other devices that are easily affected by magnetism. Also, do not be close to other iron materials. Once it is adsorbed, it will be difficult to separate. The ambient temperature for product use and storage should not be higher than 80°C, and there should be no corrosive media such as strong acid or strong alkali around it.

3.The shuttering magnet should be cleaned after each use, and the suction surface of the product should always be kept clean and flat. If it is not used for a long time, the suction surface should be oiled to prevent rust, and then stored in a special tool box, such as a stainless steel cart, stainless steel Bracket etc. You should always check whether the product can fit flatly on the platform, whether the switch is flexible, and whether it affects normal use.

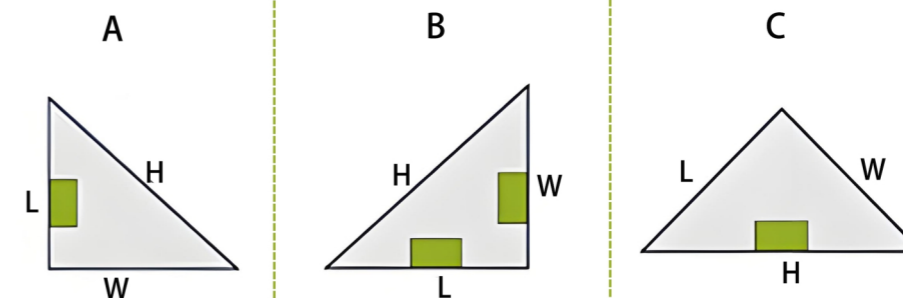


Steel Magnetic Chamfer



Magnetic steel chamfers are designed for use with steel beds or steel panels and bulkheads and can be fitted to most types of precast track framing systems on the market.

Specification



Number	L(mm)	W(mm)	H(mm)	Magnet
SMC-10x10A	10	10	14	Single
SMC-10x10B	10	10	14	Double
SMC-10x10C	10	10	18	Bottom
SMC-15x15A	15	15	21	Single
SMC-15x15B	15	15	21	Double
SMC-15x15C	15	15	21	Bottom
SMC-20x20A	20	20	28	Single
SMC-20x20B	20	20	28	Double
SMC-20x20C	20	20	28	Bottom
SMC-25x25A	25	25	35	Single
SMC-25x25B	25	25	35	Double
SMC-25x25C	25	25	35	Bottom

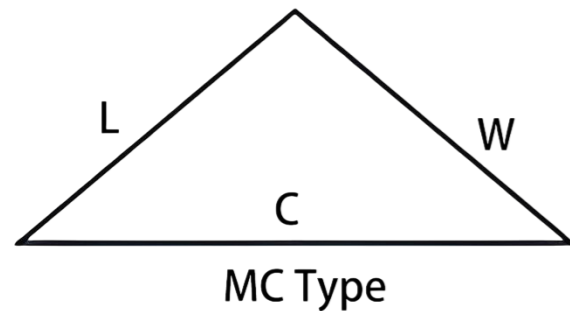


Rubber Magnetic Chamfer



The magnetic rubber chamfer is light, and both sides of the right angle are magnetic. It is flexible and very easy to produce real models.

Specification

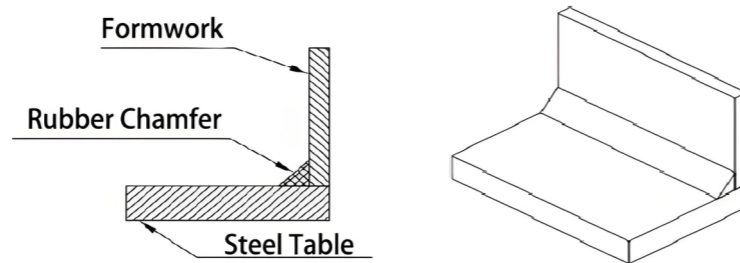


Number (Triangle)	L(mm)	W(mm)	C(mm)
MC-10x10	10	10	14
MC-15x15	15	15	21
MC-20x20	20	20	28
MC-20x20	25	25	35

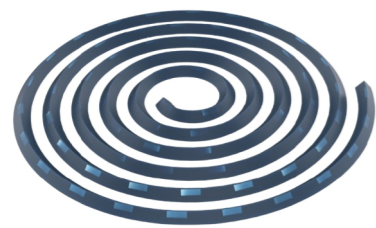
Attention

Our rubber magnetic chamfer is a weak magnetic product. This product is only suitable for corner use, as shown in the following picture.

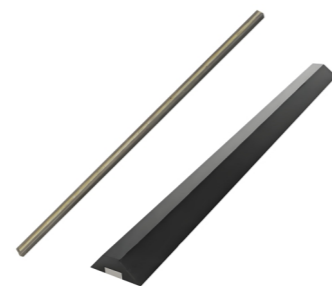
Please keep the contact surface of the rubber magnetic chamfer clean and free of concrete.



Other Types



Magnetic Polyurethane Chamfer

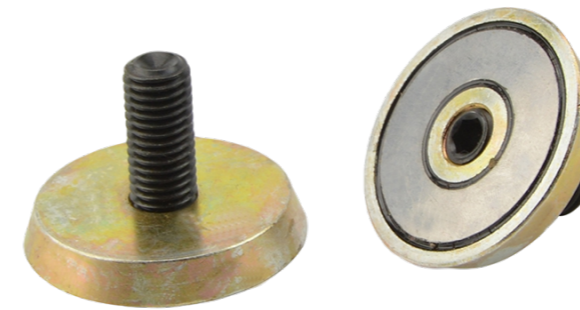


Trapezoidal Steels Magnetic Chamfer



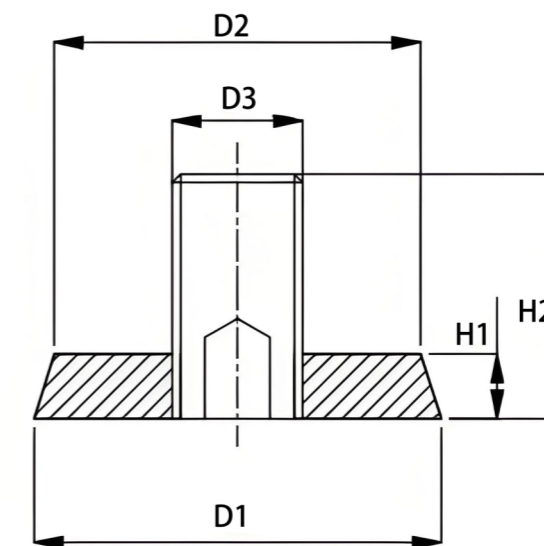
PVC Chamfer

Embedded Magnet With Bolt



GME insert magnets series are designed and developed for various embedded parts of precast concrete. During the precast concrete production process, we need to embed various switch holes, pile holes, and connection or lifting sockets.

Using GME insert magnets to fix the embedded parts, magnets secure the parts against sliding and slipping. Our products are durable, cost-saving, easy to use, and efficient.



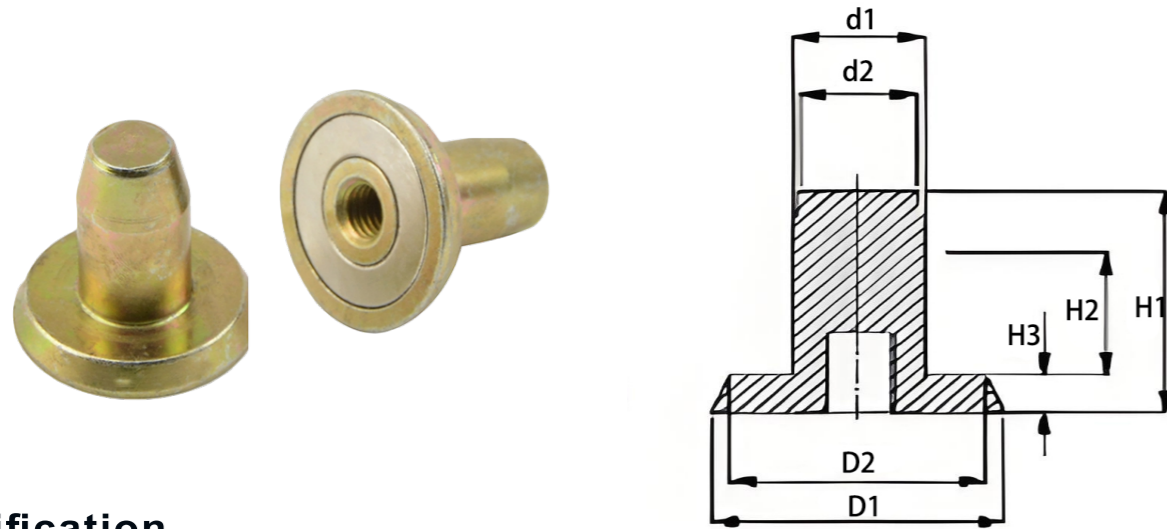
Specification

Number	D1(mm)	D2(mm)	D3(mm)	H1(mm)	H2(mm)	Style Option	
M10	50	45	M10*1.5	8	30	Bolt fixed	Bolt removable
M12	50	45	M12*1.75	8	30	Bolt fixed	Bolt removable
M14	50	45	M14*2	8	30	Bolt fixed	Bolt removable
M16	50	45	M16*2	8	30	Bolt fixed	Bolt removable
M18	54	49	M18*2.5	10	30	Bolt fixed	Bolt removable
M20	54	49	M20*2.5	10	30	Bolt fixed	Bolt removable
M22	54	49	M24*2.5	10	30	Bolt fixed	Bolt removable

Custom sizes please contact us for more information



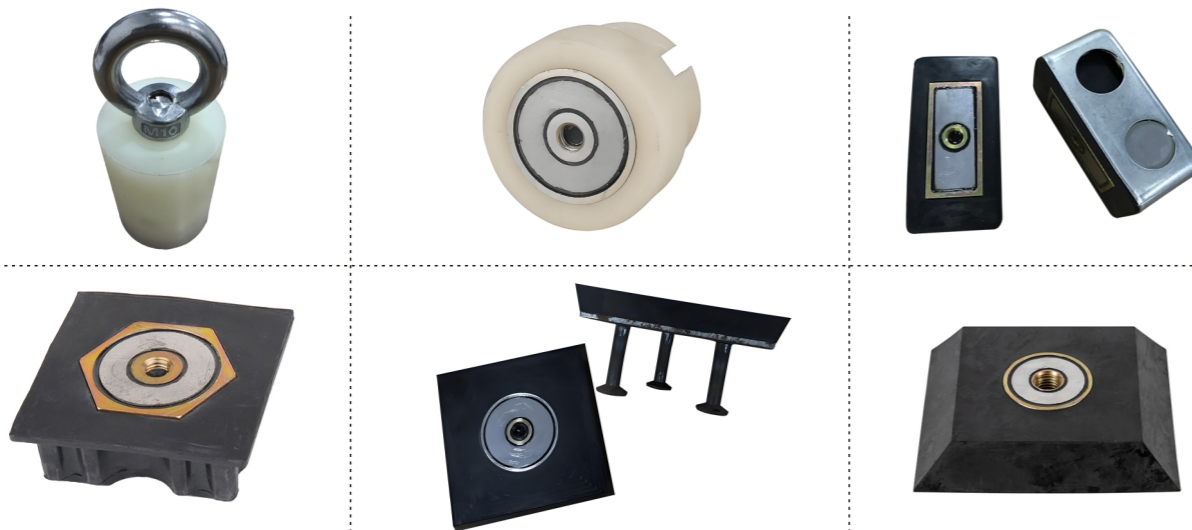
Magnetic Ferrule Insert Concrete Magnet



Specification

Number	D1(mm)	D2(mm)	d1(mm)	d2(mm)	H1(mm)	H2(mm)	H3(mm)
D40-18.1	40	35	18.1	16	36	20	6
D40-19.3	40	35	19.3	16	36	20	6

Other Customized Types



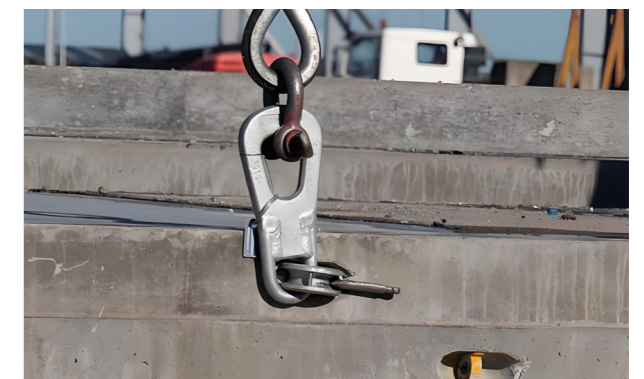
Lifting System



Safety Precautions and Product Applications

In developing the prefabricated component industry, GME is committed to providing first-class accessories for PC plants. We attach great importance to the raw materials produced by our plants to meet the safety requirements for lifting and connecting. Therefore, GME and third-party testing organizations tested the products in this manual. The listed safety workloads are determined based on these tests and take into account the following factors:

- Effective concrete thickness
- Actual margin thickness
- Concrete compressive strength during lifting





Safety Factor

The safety factor applied to the product is a variable, depending on the degree of risk or risk involved in the application of the product. In precast concrete construction, various conditions usually increase the load and the degree of risk involved. The way the crane during lifting, using unsuitable cranes, handling concrete components above expected loads, transporting over rough surfaces, etc, all carry high risks. In this case, the users should increase the safety factor accordingly.

GME recommends the following minimum safety factor when determining the safe working load of the product, and strictly observe the OSHA(Occupation Safety and Health Administration Act, Part 1910) provisions when considering. If a different safe factor that is not coordinated with this manual is required for some reason, use the following formula to increase or reduce a safe working load:

Safety Factor	Tntended Use Of Product
2 to 1	Brace Anchors
3 to 1	Permanent Connections
4 to 1	Inserts used for lifting and handling
5 to 1	Hardware used for lifting and handling



Product Description

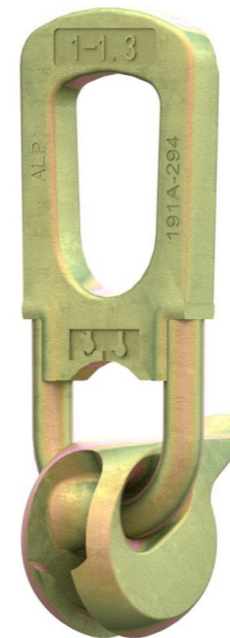
The bolt lifting system mainly includes: a spreader, anchor bolts, and rubber recess formers. The bolt lifting system is a safe, effective, quick connection and disconnection system for handling and transporting precast concrete structures. Fast, safe, and affordable. It is a non-welding system, and all bolts are made of hot-forged or cold-forged steel, with high quality and reusable. The bolt lifting system has a safe load range of 1 to 32T.

Each element has a marked maximum safe working load and can be used to lift precast concrete components and beams from a horizontal position to a vertical position without the aid of a long table. For each batch, we will conduct strict inspections, including raw material quality inspections, semi-quality inspections, product quality inspections, and possible tolerance and deviation inspections. For each bolt expander, we will conduct all tests according to a specific load safety factor.

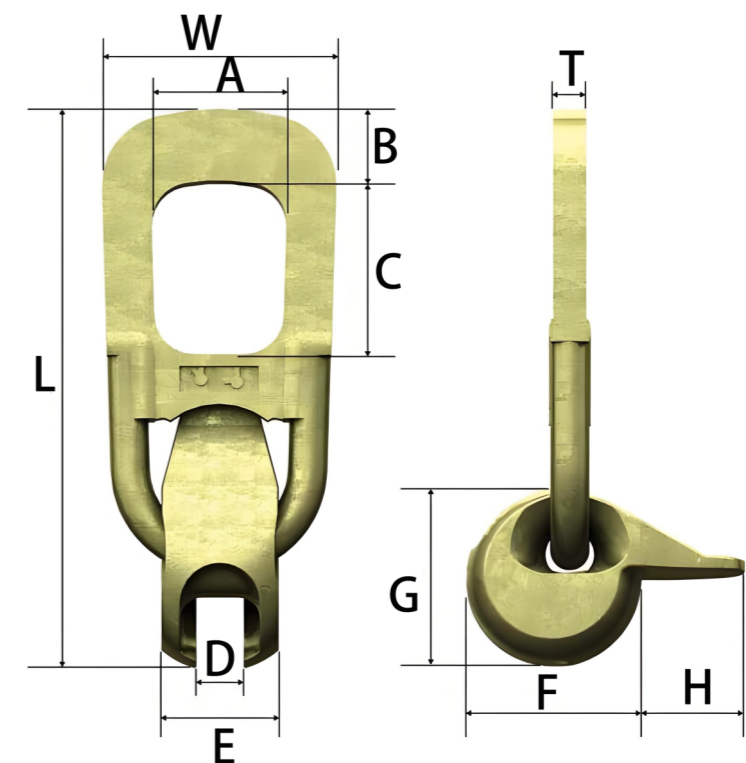
Safety Introduction

- All lifting anchors must be installed following the safe use guidelines.
- The anchor is only suitable for temporary use and cannot be used for permanent fastening purposes.
- All technical data provided must be considered to ensure safe use.
- The GME anchor is designed for a minimum safety factor of 3.
- Lifting Anchors cannot be used repeatedly (repeated lifting during lifting and transport, is not considered as repeated use)
- Conditions that cannot be used, such as incorrect installation, damage to parts, and corrosion.

Lifting Clutch



The GME Lifting Clutch is an attachment link for the lifting and transportation of precast concrete units in combination with the Special Head Lifting Anchor.



Specification

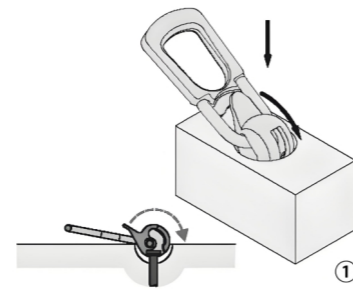
Number	Load Range (T)	L	W	T	A	B	C	D	E	F	G	H
GME-LPLE1T	1-3	7-11/32"	3"	1/2"	1-3/4"	7/8"	2-3/4"	15/32"	1-5/16"	2-1/8"	2-1/8"	1-1/16"
GME-LPLE2T	1.5-2.5	9"	3-1/2"	5/8"	2-1/8"	1"	3-3/8"	11/16"	1-5/8"	2-9/16"	2-1/2"	1-1/2"
GME-LPLE4T	3-5	11"	4-11/16"	11/16"	2-5/8"	1-15/32"	3-7/16"	29/32"	2-1/4"	3-3/8"	3-1/2"	2-1/16"
GME-LPLE8T	6-10	15-1/2"	6-1/4"	1-1/16"	3-1/8"	2"	4-3/8"	1-1/4"	2-15/16"	4-1/2"	4-1/2"	2-5/8"
GME-LPLE20T	12-20	20"	7-11/16"	1-3/8"	4-3/8"	2-13/16"	5-15/16"	1-11/16"	4-3/8"	5-5/8"	5-3/4"	3-7/16"



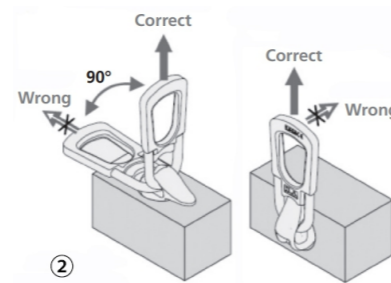
How to Use the Lifting Clutch

1. Connect the life clutch with the living anchor, duck-billed head to the anchor head.

2. The tongue of the spherical structure of the duckbill turns to the boom and puts the anchor head into the spherical structure slot, and the tongue is slid in the corresponding direction. And now, the tongue is locked. (As shown in Figure ①)



Installation

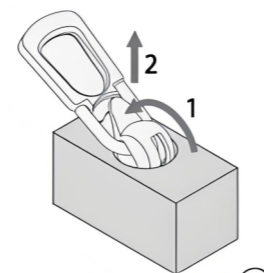


Hoisting

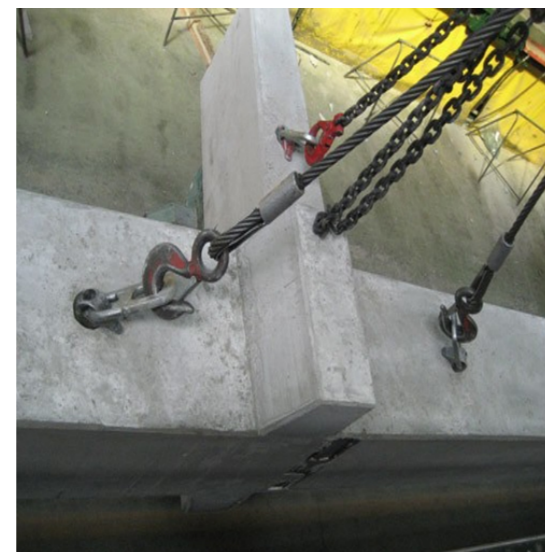
Due to the tongue's weight, the spherical structure must be in the right place, even if the load has been released. The lifting clutch is suitable for axial loads and sway. The elements can also rotate when swinging, but the premise is the tongue must be locked.

1. When the load is released after lifting (As shown in Figure ③), the tongue is directed to the handle. Rotate the direction to release the tongue and lift the anchor.

2. Pull up the lifting clutch (as shown in Figure ④) and do not let it swing on the anchor's surface to avoid unnecessary collisions.



Release

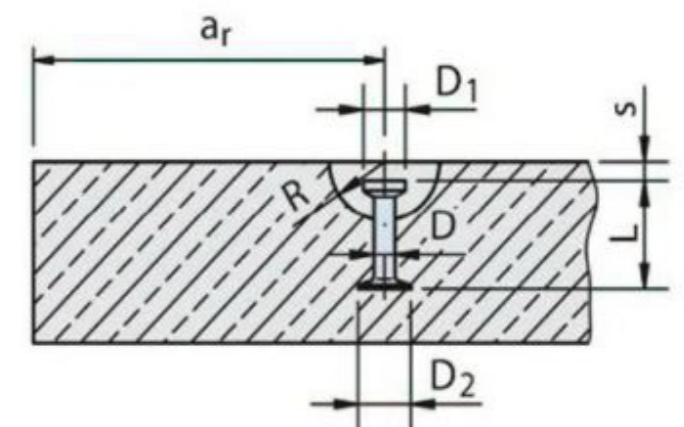


Standard Lifting Anchor

Standard Lifting Anchor consists of round steel rod with forged foot and head. The Pin is factory finished and should not be altered or adapted in the yard or on site. It is suitable for large precast units such as slabs, beams, panels and pipes.



Specification





Code	Load	L	D	D1	D2	S	R	Ar	Surface Coating
	T	mm	mm	mm	mm	mm	mm	mm	
LA1.3-120	1.3	120	10	19	25	10	30	390	OC/HDG/EG
LA1.3-240	1.3	240	10	19	25	10	30	390	OC/HDG/EG
LA2-190	2	190	14	26	35	11	37	450	OC/HDG/EG
LA2-280	2	280	14	26	35	11	37	450	OC/HDG/EG
LA2.5-55	2.5	55	14	26	35	11	37	540	OC/HDG/EG
LA2.5-85	2.5	85	14	26	35	11	37	540	OC/HDG/EG
LA2.5-120	2.5	120	14	26	35	11	37	540	OC/HDG/EG
LA2.5-170	2.5	170	14	26	35	11	37	540	OC/HDG/EG
LA2.5-240	2.5	240	14	26	35	11	37	540	OC/HDG/EG
LA2.5-280	2.5	280	14	26	35	11	37	540	OC/HDG/EG
LA4-210	4	210	18	36	45	15	47	675	OC/HDG/EG
LA4-240	4	240	18	36	45	15	47	675	OC/HDG/EG
LA4-340	4	340	18	36	45	15	47	675	OC/HDG/EG
LA4-420	4	420	18	36	45	15	47	675	OC/HDG/EG
LA5-125	5	125	20	36	45	15	47	765	OC/HDG/EG
LA5-240	5	240	20	36	45	15	47	765	OC/HDG/EG
LA5-340	5	340	20	36	45	15	47	765	OC/HDG/EG
LA5-480	5	480	20	36	45	15	47	765	OC/HDG/EG
LA7.5-300	7.5	300	24	46	60	15	59	945	OC/HDG/EG
LA7.5-540	7.5	540	24	46	60	15	59	945	OC/HDG/EG
LA7.5-680	7.5	680	24	46	60	15	59	945	OC/HDG/EG
LA10-250	10	250	28	46	70	15	59	1100	OC/HDG/EG
LA10-340	10	340	28	46	70	15	59	1100	OC/HDG/EG
LA10-680	10	680	28	46	70	15	59	1100	OC/HDG/EG
LA15-400	15	400	34	69	98	15	80	1250	OC/HDG/EG
LA20-500	20	500	38	69	98	15	80	1550	OC/HDG/EG
LA20-1000	20	1000	38	69	98	15	80	1550	OC/HDG/EG
LA32-700	32	700	50	88	135	23	107	2150	OC/HDG/EG
LA32-1200	32	1200	50	88	135	23	107	2150	OC/HDG/EG

OC: Original Color, HDG: Hot Deep Galvanizing, EG: Electrogalvanizing

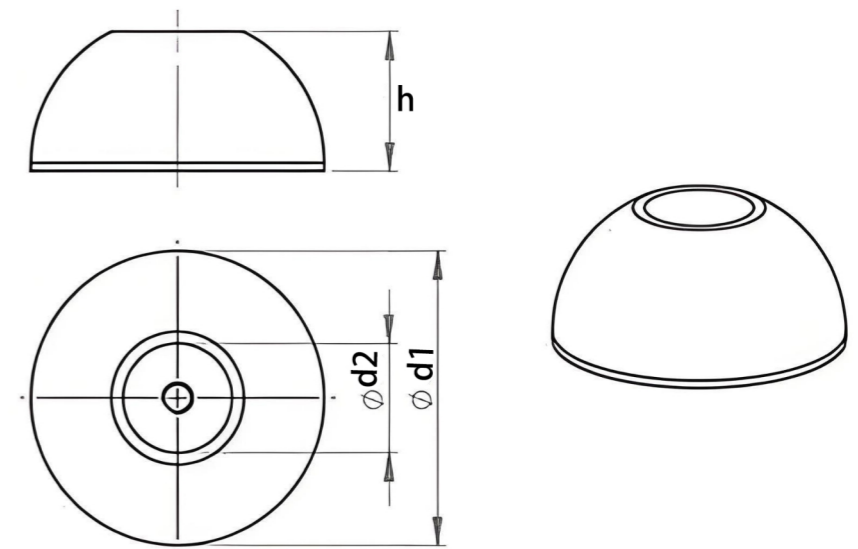
Metal Magnetic Recess Former



This steel body is turned from solid material and fitted with a high-performance magnetic system, providing a high-powered magnet for locating precast head foot anchors in steel moulds.

It has the following benefits:

- Combined recess former with magnet
- Internal thread for releasing the magnet
- Solid and sturdy design due to steel base body, therefore long service life
- Environmentally friendly and cost-effective through reusability

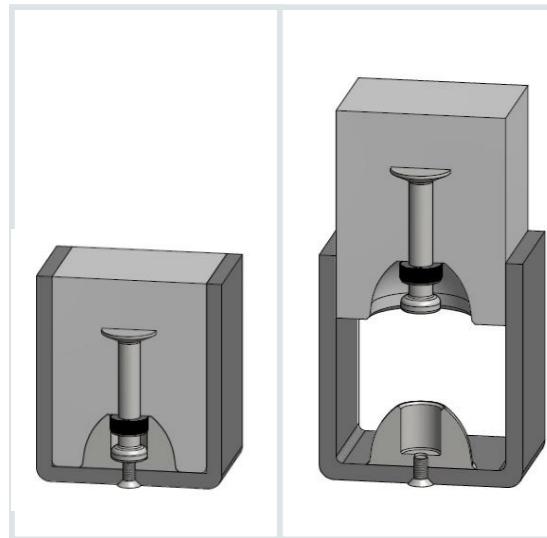
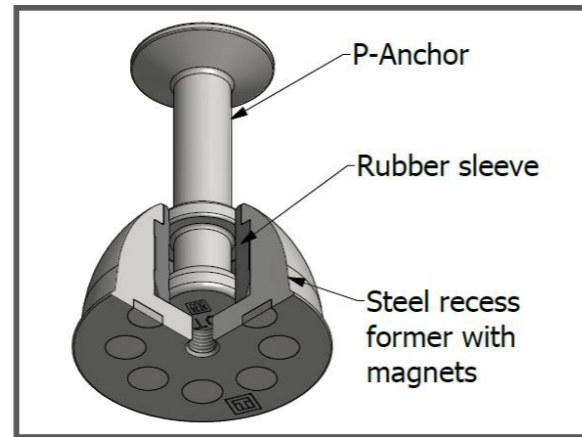
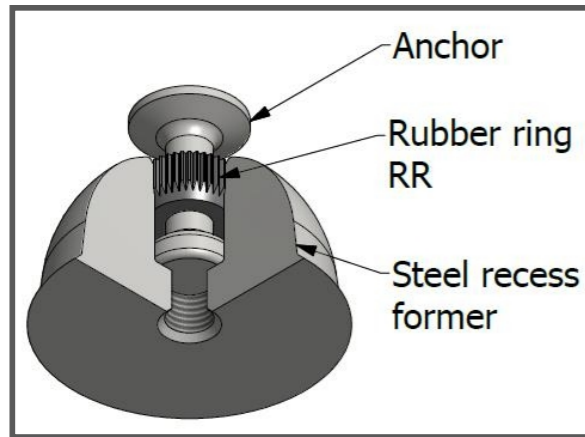


Specification

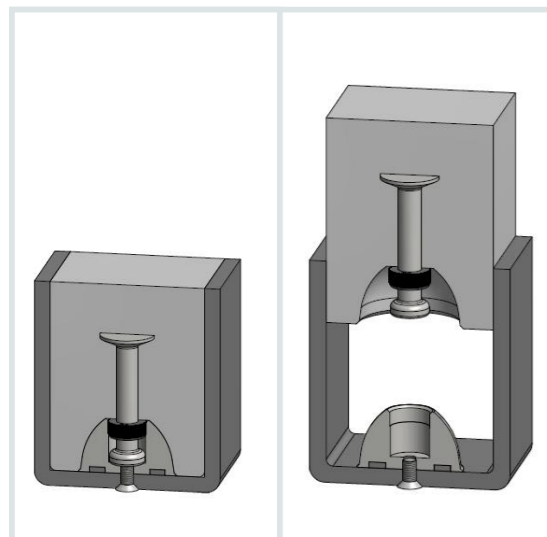
Code	D(mm)	Force(kg)	Anchor	Color
GME-1.3T	60	50	1.3T	Gold/Silver
GME-2.5T	74	100	2.5T	Gold/Silver
GME-5.0T	94	120	5.0T	Gold/Silver
GME-10T	118	190	10t	Gold/Silver



General Instructions for Installation and Use



The steel recess formers are always used in combination with a rubber ring. The rubber ring ensures that the anchor fits snugly in the former. Moreover, the rubber ring prevents concrete pouring into the recess former. We recommend that both the anchor head and rubber ring be lubricated with formwork oil before installation. When the precast element is lifted out of the mould, the anchor and rubber ring detach themselves easily from the recess former.

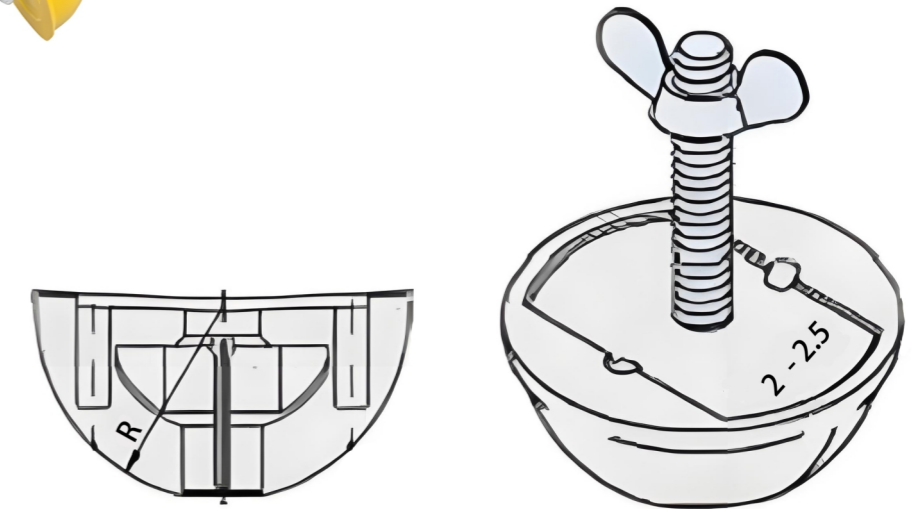


When using the magnetic recess former, it is very important that the surface of the formwork be clean. After de-mould the magnetic former can be removed from the formwork with a screw.

Rubber Recess Former



To attach the Pin Anchor to the mould. The recess forms a round, hemispherical void in the precast unit to allow lifting in all directions. Load groups 1.3-32.0 T. The rubber recess former is constant in shape, even when heated up to 120°C or in contact with oil. The rubber recess former can be used several times. In order to ease the identification of the load group, the formers are produced in different colours.

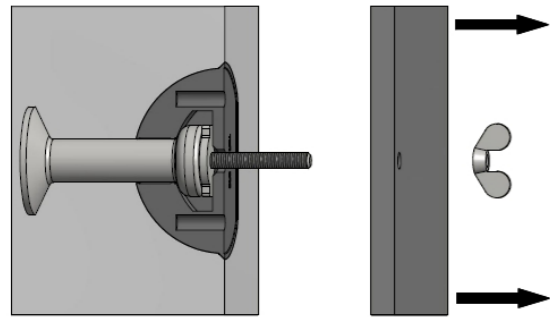


Specification

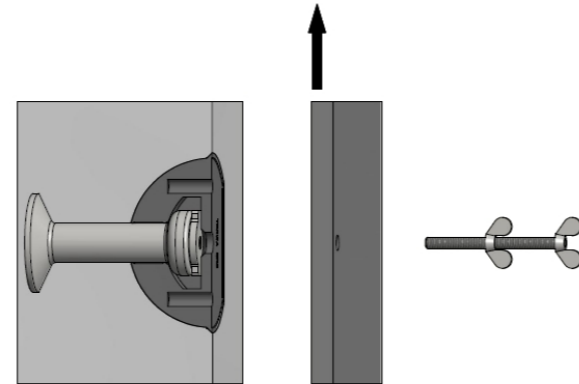
Number	Reated Load(T)	Colour	R(mm)	Type Option
GME1201-1.3	1.3	Black	30	With/without magnet
GME1201-2.5	2.5	Black	37	With/without magnet
GME1201-4.0	4	Black	47	With/without magnet
GME1201-5.0	5	Black	47	With/without magnet
GME1201-7.5	7.5	Black	59	With/without magnet
GME1201-10.0	10	Black	59	With/without magnet
GME1201-15.0	15	Black	80	With/without magnet
GME1201-20.0	20	Black	80	With/without magnet
GME1201-32.0	32	Black	107	With/without magnet



General Instructions for Installation and Use

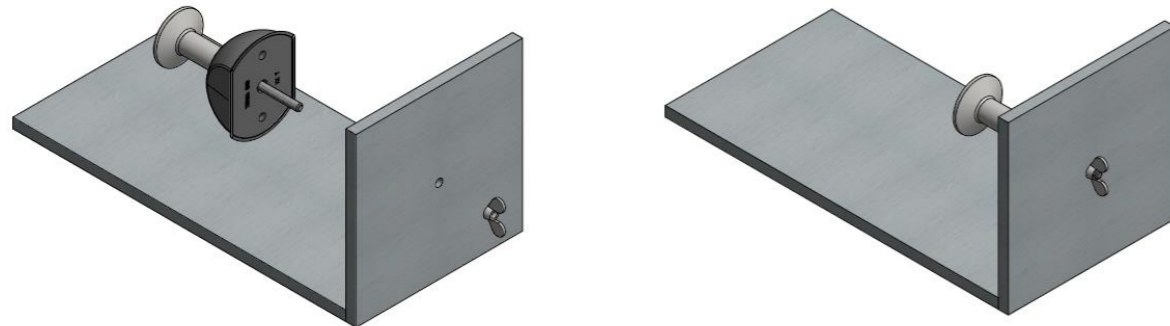


If the formwork can only be removed sideways, the fixing plate with a threaded rod should be used.

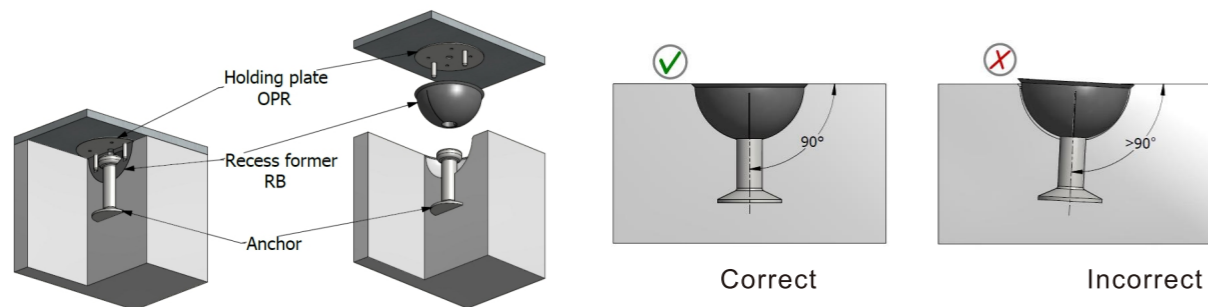


If the formwork can only be removed vertically, the fixing plate in combination with the threaded screw should be used.

The fixing plate with a threaded rod and the anchor are fitted in the opened recess former. The recess former is mounted to the formwork with the wing nut. The nut is then tightened securing the recess former and the anchor firmly in position.

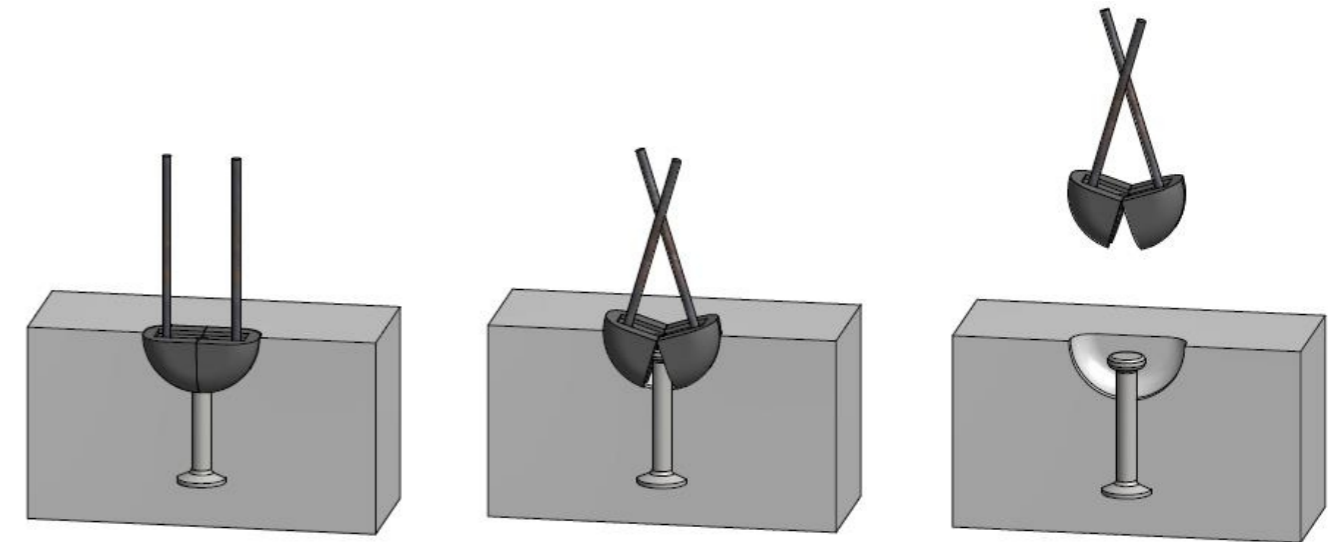


For wooden formwork, the recess former can be mounted with the mounting plate. The pins on the mounting plate ensure that the recess former remains closed during the process of pouring concrete. The recess former is mounted on the formwork with nails.

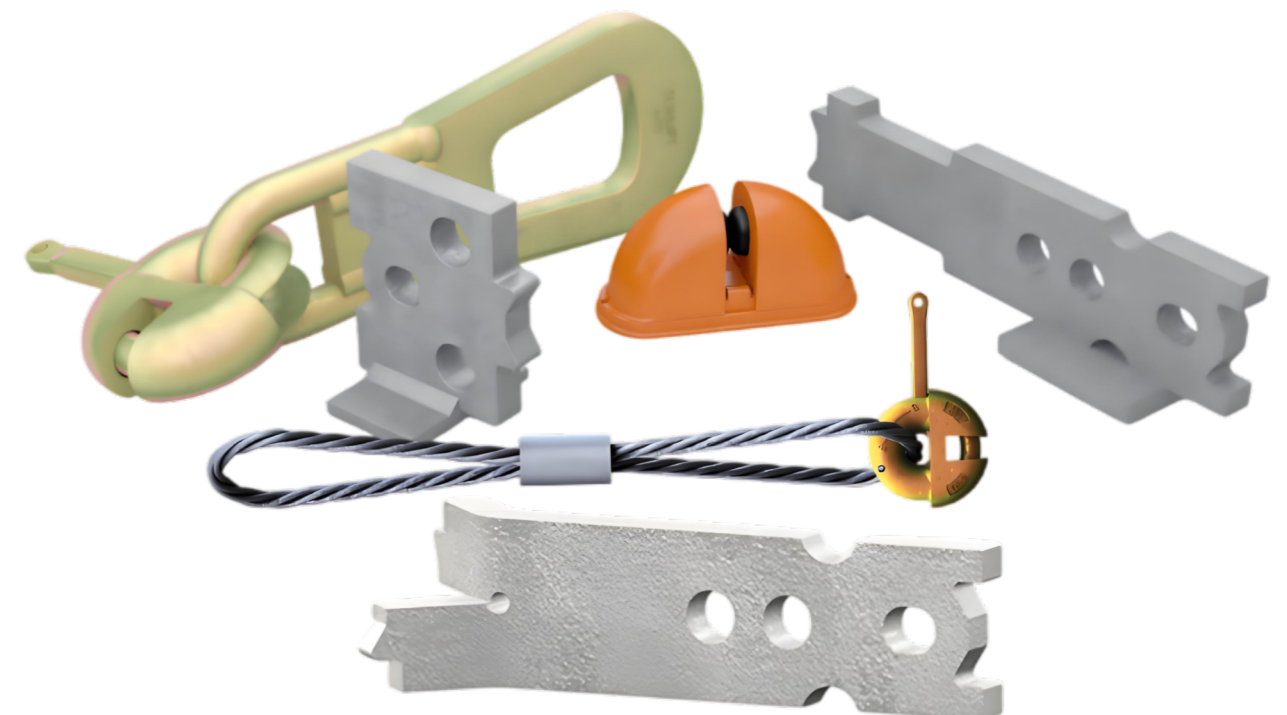


Removal of The Rubber Recess Former

Two pieces of re-bar steel can be inserted in the recess former holes. Using these rods, the former bends open and can be removed from the anchor, Excessive concrete should be removed beforehand. Do not use a hammer or any other tools, as these can damage the recess former.



Flat Lifting System

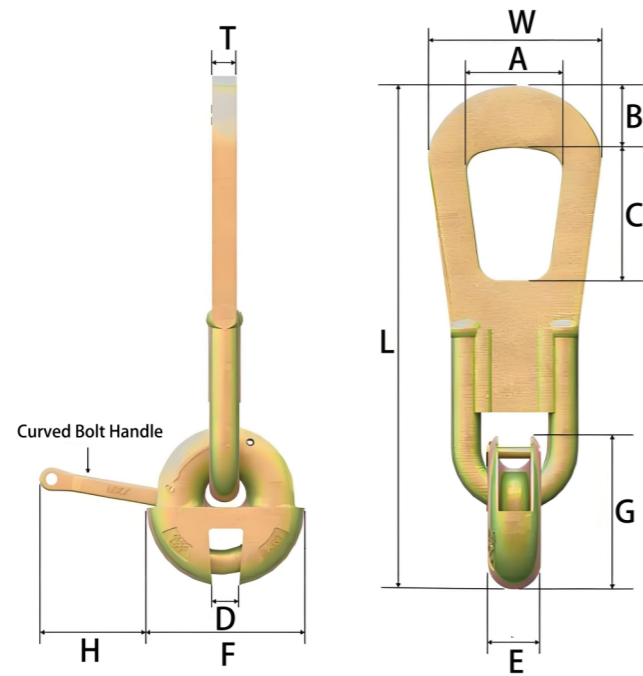




Lifting Clutch



The ring clutch consists of a shackle and a clutch head. The shackle is free to move in any direction. The clutch head in each load group matches the shape of the recess former and incorporates a locking bolt which engages in the head of the cast-in anchor.



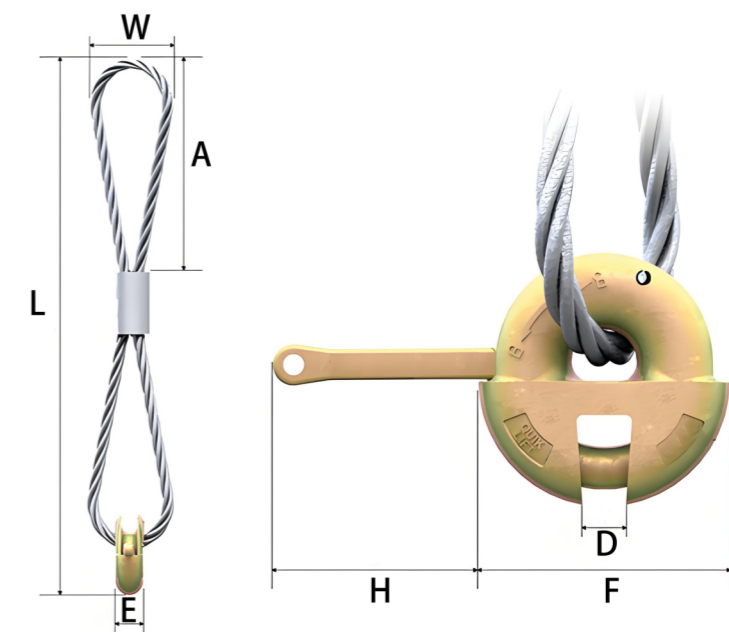
Specification

Number	Load Range (T)	L	W	T	A	B	C	D	E	F	G	H
GME-QL001	2-3	10-5/16"	3-3/4"	1/2"	2-1/4"	1-3/16"	2-3/4"	1/2"	1-1/8"	3-1/8"	3"	2-1/2"
GME-QL002	4-6	13-1/4"	4-7/16"	5/8"	2-5/8"	1-5/8"	3-7/16"	3/4"	1-7/16"	4-1/16"	4-1/8"	3"
GME-QL003	8-12	16-1/2"	5-1/2"	1"	3"	1-13/16"	4-5/8"	15/16"	2"	5-15/16"	5-5/16"	3-3/8"
GME-QL004	12.5-22	24-1/8"	8-1/8"	1-3/8"	4-7/8"	2-5/8"	6-3/8"	1-3/8"	2-7/8"	8-1/2"	8-1/8"	3-5/8"

Cable Ring Clutch



The cable ring clutch assembly includes a cable, swage, clutch body, and curved bolt handle. To install, rotate the curved bolt to the opened position and insert the clutch into the recess, to lock onto the anchor, rotate the curved bolt handle until the handle contacts the panel surface.



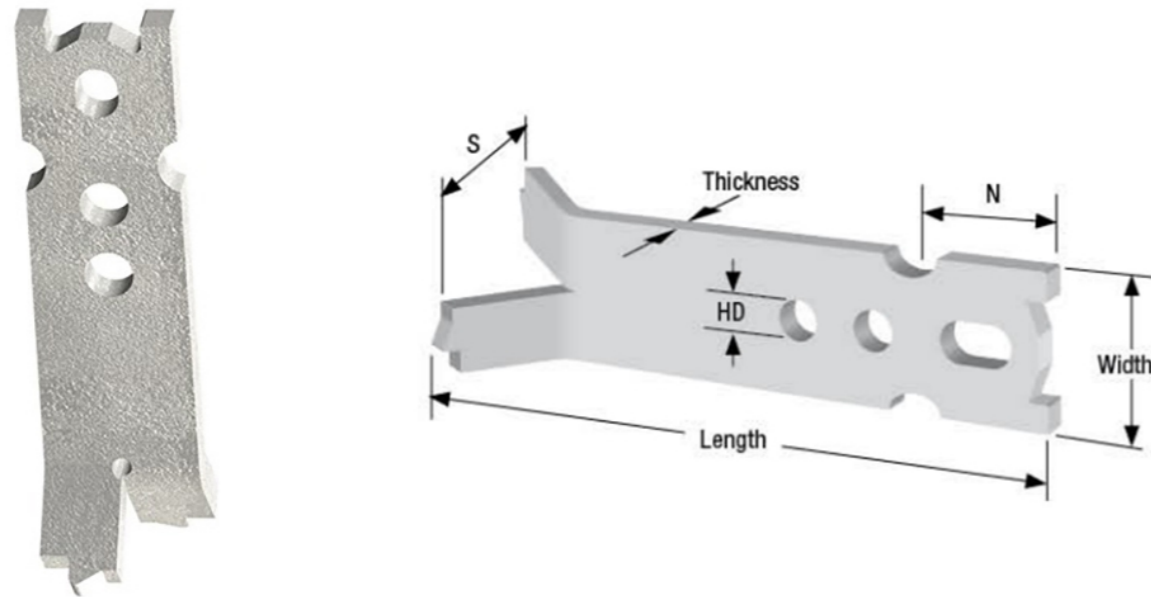
Specification

Number	Load Range(T)	L	W	A	D	E	WD	F	H
GME-QL001CB	2-3	23-3/4"	4-7/8"	10-1/2"	1/2"	1-1/8"	1/2"	3-1/8"	2-1/2"
GME-QL002CB	4-6	25-1/2"	5-5/8"	10-5/8"	3/4"	1-7/16"	3/4"	4-1/16"	3"
GME-QL003CB	8-12	33-1/2"	6-3/8"	15-1/2"	15/16"	2"	1"	5-15/16"	3-3/8"
GME-QL004CB	12.5-22	62"	8-7/8"	21"	1-3/8"	2-7/8"	1-1/4"	8-1/2"	3-5/8"



Split Foot Erection Anchor

The Split Foot Erection Anchor is designed for horizontal to vertical edge lifting and handling thin-walled precast elements. The two “ears” on the head of the anchor prevent the clutch from coming in contact and spalling the concrete. The “ears” transfer the shear loads into the anchor and concrete. A shear bar is required for this anchor. A tension bar is typically needed to reach the higher tension capacities. Available in 2T, 4T, and 8T capacities.

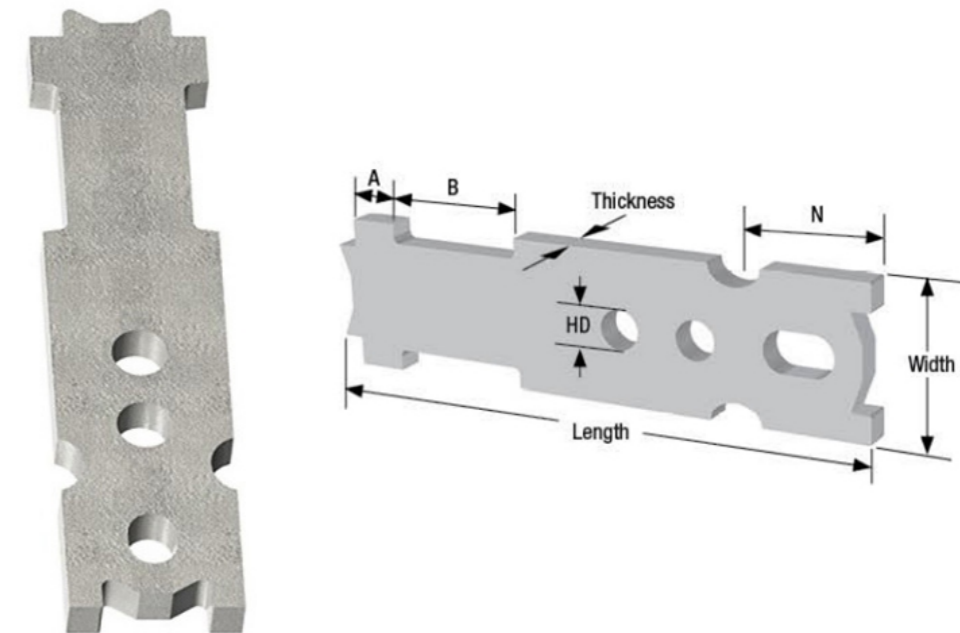


Specification

Part Number	Ton	Ring Clutch System	Width	Length	Thickness	HD	S	N	Anchor Ultimate Mechanical Load in Tension (lbs)
GME-QL047G	2T	2T-3T(QLO01)	2"	8"	3/8"	5/8"	2-3/4"	1-13/16"	16000
GME-QL048G	4T	4T-6T(QLO02)	2-1/2"	10-1/2"	5/8"	3/4"	3-3/8"	2-1/2"	32000
GME-QL049G	8T	8T-11T(QLO03)	3-3/4"	12-13/16"	3/4"	1"	5"	3-1/8"	64000

Tech Erection Anchor

Two pieces of re-bar steel can be inserted in the recess former holes. Using these rods, the former bends open and can be removed from the anchor, Excessive concrete should be removed beforehand. Do not use a hammer or any other tools, as these can damage the recess former.



Specification

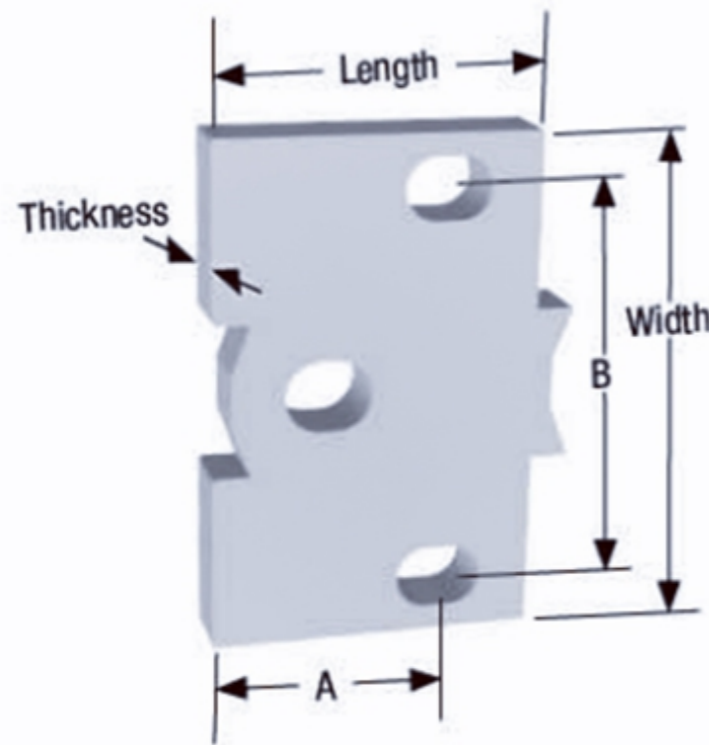
Part Number	Ton	Ring Clutch System	Width	Length	Thickness	HD	S	N	Anchor Ultimate Mechanical Load in Tension (lbs)
GME-QL047G	2T	2T-3T(QLO01)	2"	8-11/16"	3/8"	5/8"	2-5/8"	1-13/16"	16000
GME-QL048G	4T	4T-6T(QLO02)	2-1/2"	10-7/16"	5/8"	3/4"	2-5/8"	2-1/2"	32000
GME-QL049G	8T	8T-11T(QLO03)	3-3/4"	13-1/2"	3/4"	1"	3-5/8"	3-1/8"	64000

Other sizes can be customized according to drawings



Insulated Panel Anchor

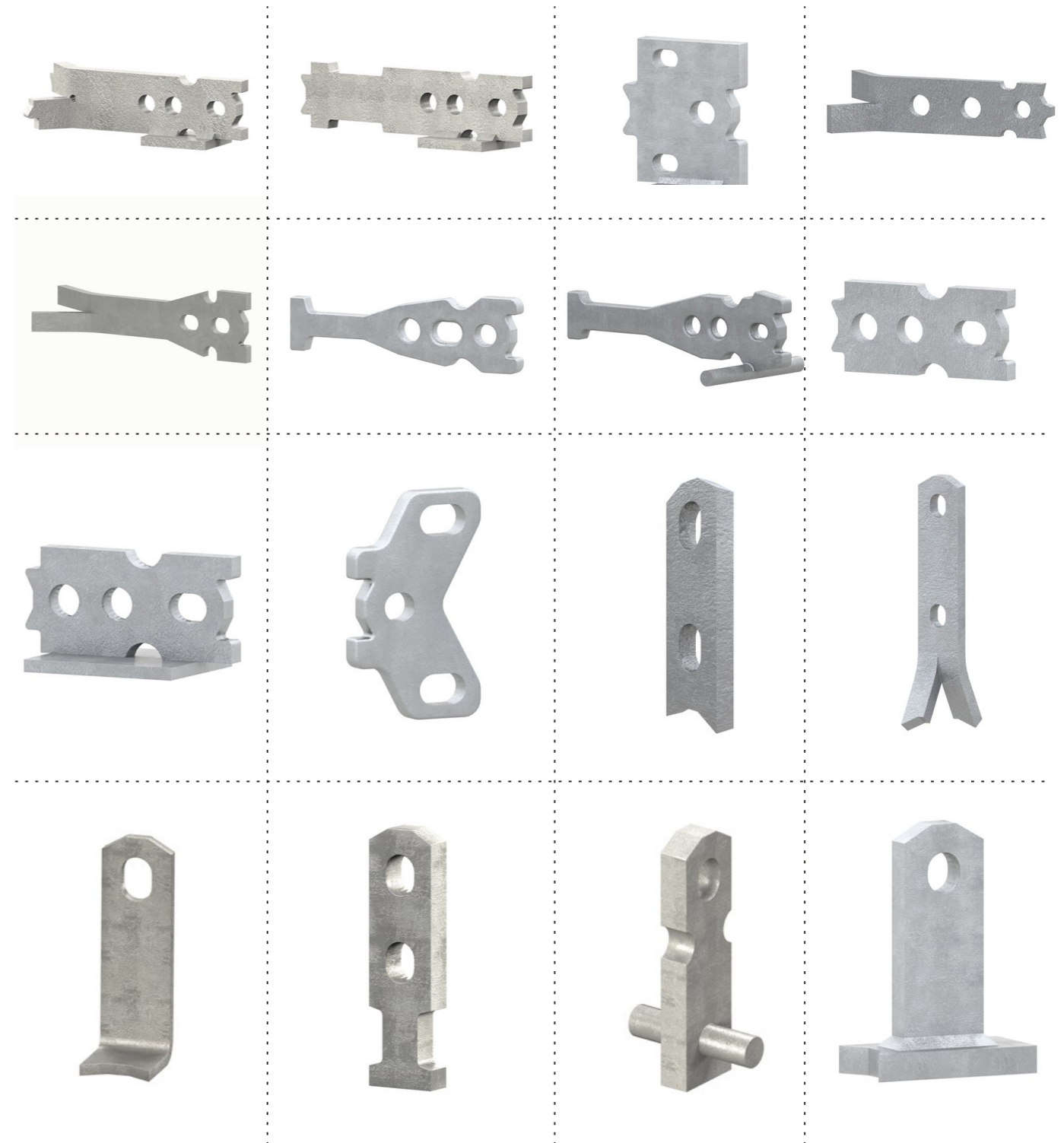
The Insulated Panel Anchor is specifically designed to edge-lift insulated panels efficiently and economically. The anchor spans the insulation and connects the exterior and interior wythes, distributing the shear and tension loads through the added reinforcement. The anchor has a very small profile, minimizing the disruption of the insulation during installation. The anchor supports each wythe during the erection process, decreasing the shear stress on the insulated panel tie system.



Specification

Number	Ton	Ring Clutch System	Width	Length	Thickness	A	B	Anchor Ltimata Mechanical Load in Tension (lbs)
GMEQL077G	4T	4T-6T	6"	3-1/4"	5/8"	1-13/16"	4-3/8"	32000
GMEQL184G	8T	8T-12T	6"	4-3/4"	3/4"	3-1/2"	4-3/8"	64000
GMEQL1242G	10T	8T-12T	7"	4-3/4"	3/4"	3-3/8"	4-3/8"	80000
GMEQL243G	10T	8T-12T	8"	4-3/4"	3/4"	3-3/8"	5-1/2"	80000

Other Types



#Other styles can be customized according to drawings

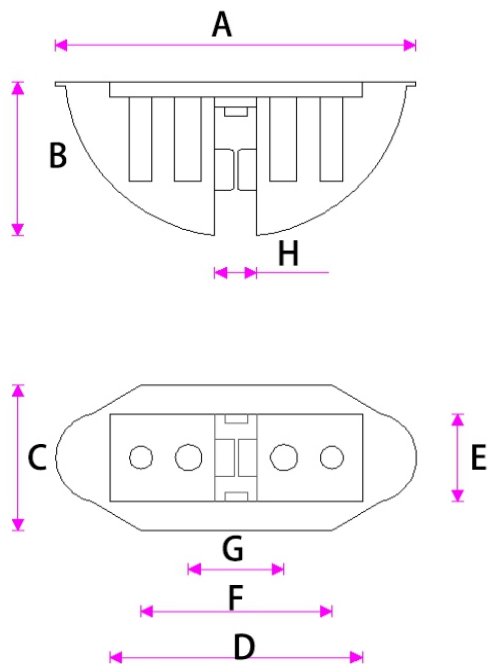


Magnetic Recess Former For Flat Lifting System



The magnetic recess member for flat anchors is designed with robust magnetic circuits built-in for quick and efficient mounting/holding of recess members to steel forms. The magnetic recess formers are used for easy attachment to the formwork. The magnetic recess formers in the open position will be put over the anchor head. Closing the rubber recess former will fix the anchor tightly. Afterward, the rubber recess former can be set to the formwork together with the anchor

Specification

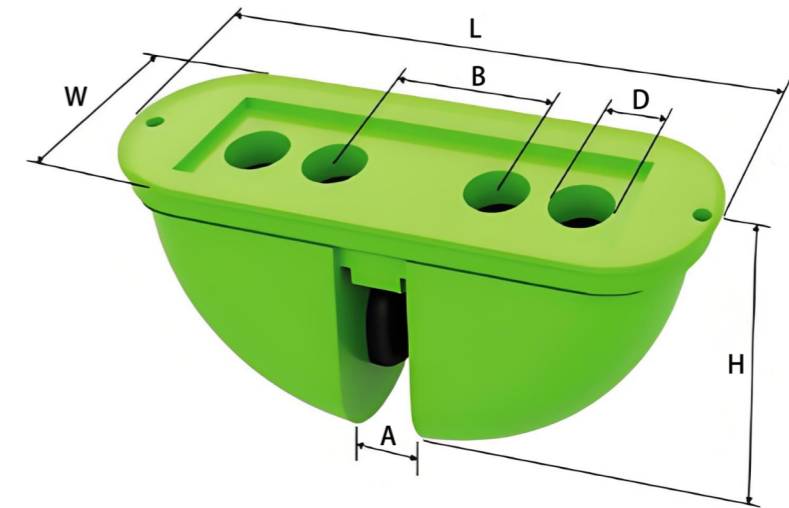


Number	5T	10T
A(mm)	131	190
B(mm)	60	85
C(mm)	53	80
D(mm)	88	130
E(mm)	32	47
F(mm)	67	103
G(mm)	38	51
Medium Width	10	20

Non-Magnetic Rubber Recess former



The recess formers are used for easy attachment to the formwork. Recess Formers are used to seal and fill an anchor recess in precast concrete. The recess formed in the open position will be put over the anchor head. Closing the rubber recess former will fix the anchor tightly. Afterward, the rubber recess former can be fixed to the formwork together with the anchor.



Specification

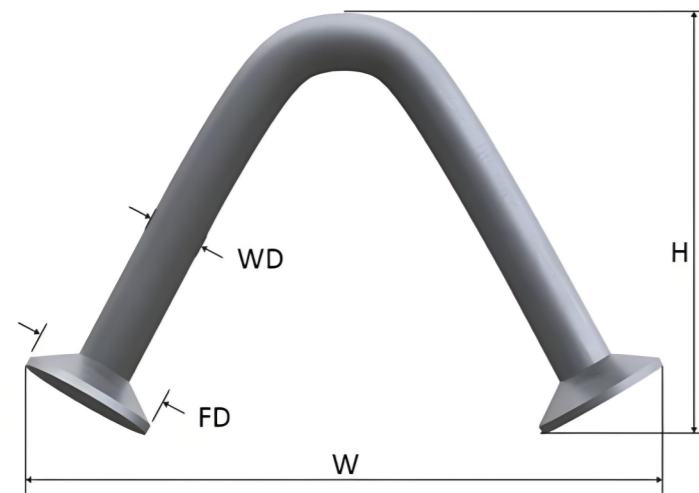
Number	Ring Clutch System(T)	W	L	H	A	B	D	Weight(lbs)
GME-QL051	2-3	1-11/16"	4-1/16"	1-7/8"	1/4"	1-3/16"	3/8"	0.22
GME-QL200	2-3	1-11/16"	4-1/16"	1-7/8"	7/16"	1-3/16"	3/8"	0.22
GME-QL062	4-6	2-1/16"	5"	2-7/16"	5/8"	1-7/16"	3/8"	0.44
GME-QL121	8-12	3-1/16"	7-7/16"	3-1/4"	13/16"	2-1/16"	1/2"	1.24
GME-QL166	12.5-22	4-7/16"	9-3/16"	4-5/8"	1-1/8"	3"	1/2"	3.16



Utility Anchor



Utility anchors are designed for reinforced or unreinforced concrete units, especially for decking, pipes, and culverts; or any application where a construction site can benefit from an approved and tested precast concrete lifting anchor, a multipurpose anchor for lifting and tilting precast concrete.



Specification

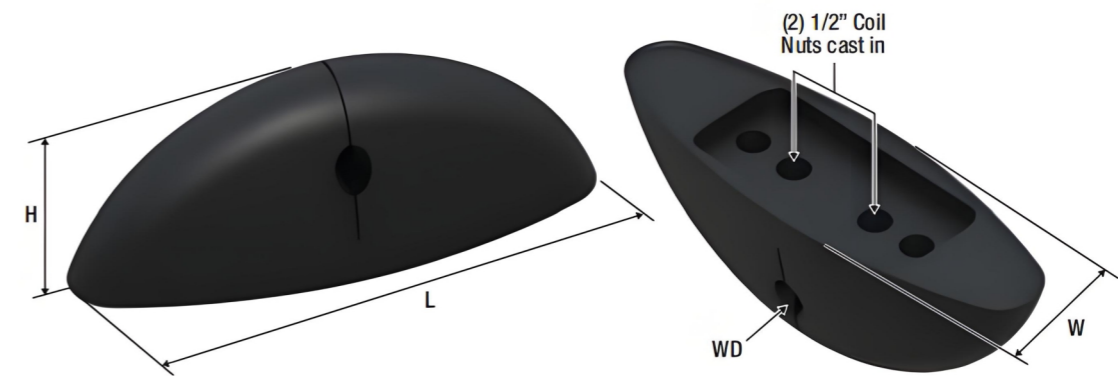
Number	WD	Anchor ID	Type Slab Thickness	W	H	FD	Weight (lbs)
GME44G	0.444	4/4	4"	5-1/4"	3-1/8"	15/16"	0.45
GME54G	0.444	5/4	5"	6"	3-3/4"	15/16"	0.53
GME64G	0.444	6/4	6"	7-1/4"	4-3/4"	15/16"	0.59
GME56G	0.671	5/6	5"	6-1/4"	3-3/4"	1-5/8"	1.11
GME66G	0.671	6/6	6"	7-1/2"	4-3/4"	1-5/8"	1.34
GME86G	0.671	8/6	8"	9-3/4"	6-3/4"	1-5/8"	1.81

Rubber Recess Member



The rubber recess member is versatile and economical, easy to work with in precast concrete plants as well as in the field.

The system allows the use of a standard hook or utility anchors, eliminating the need for specialized lifting hardware.



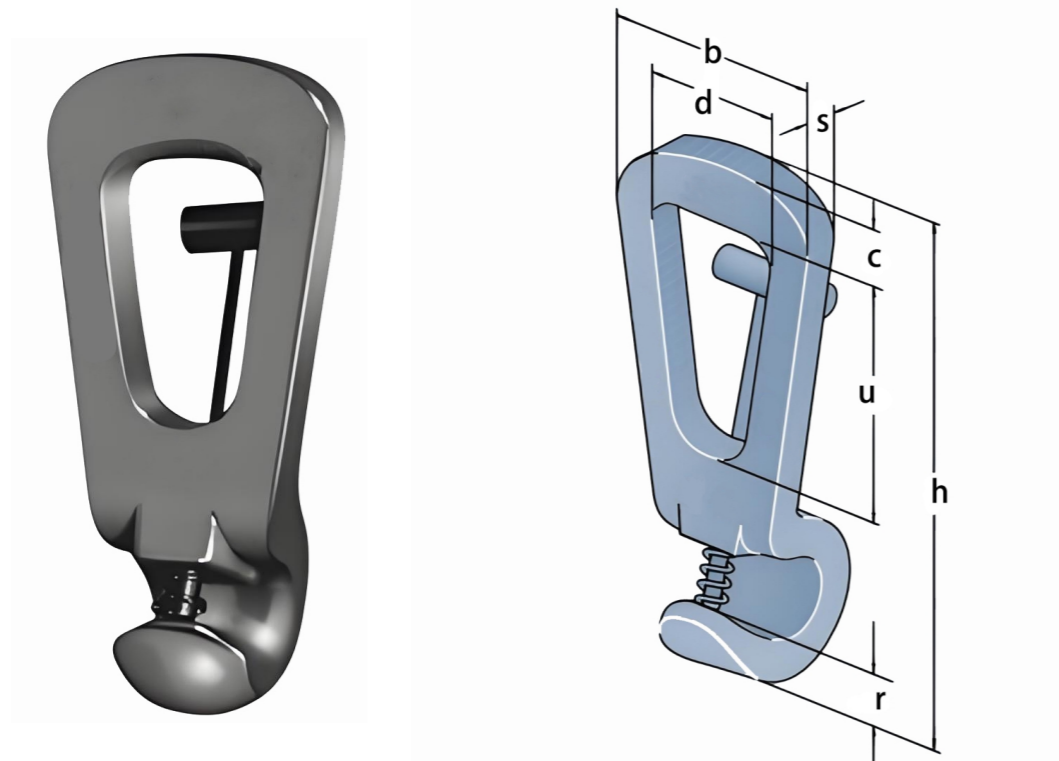
Specification

Number	WD	L	H	W	Weight(lbs)
GME-LURM444	.671"	9-3/4"	3-1/2"	3"	2.11
GME-LURM671	.671"	9-3/4"	3-1/2"	3"	1.96



BS Hook

The BS hook is made of cast steel, and its hook mouth is specially designed to adapt to ropes of specific thickness to ensure sufficient safety and reliability during the lifting operation. This hook-shaped design effectively maintains the rope's tight state during lifting, avoiding possible slippage or accidental fall off due to the mismatch between the hook mouth size and the rope diameter.

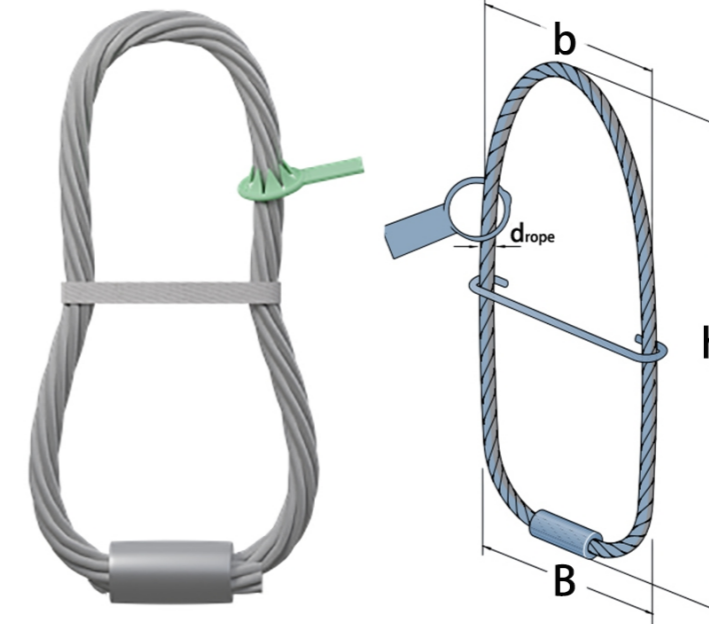


Specification

Number	Dimensions(mm)								Weight Approx (Kg/piece)
	Type	b	c	d	h	r	s	u	
GME-118149	BS 2	74	22	42	155	15	12	65	0,90
GME-118155	BS 4	90	30	50	200	20	15	80	1,80
GME-118160	BS 6,3	120	37	65	260	25	20	110	3,20
GME-118166	BS 10	140	45	80	320	32	25	145	6,40
GME-118171	BS 16	190	60	100	370	37	30	160	11,00
GME-118176	BS 25	240	82	140	470	53	35	193	23,00

BS Anchor

The BS Anchor is a very economical lifting anchor for precast concrete elements. It is used when its attachment side should be invisible afterward (e.g. precast foundations, beams, and retaining walls). The wire rope loop protruding from the element can be cut off after use. Some anchor sizes can also be recessed using the BS Moulding Insert. All BS Anchors have color-coded plastic load capacity identification tags to match the color of the associated BS Hook.



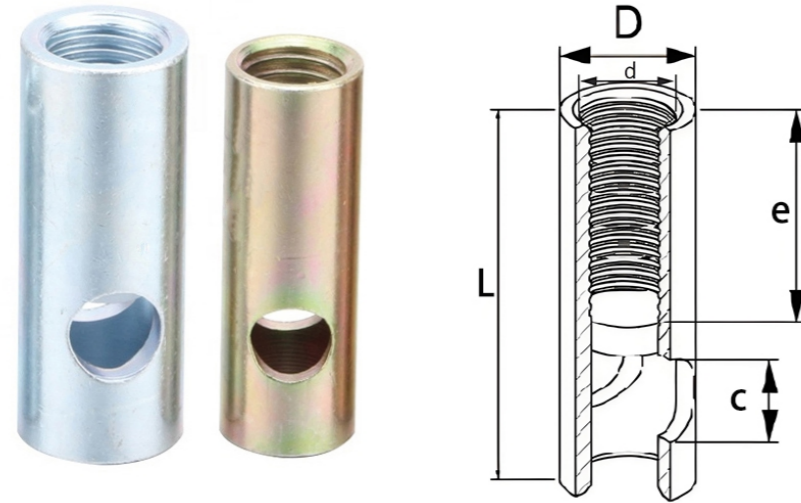
Specification

Number	Type/Size	Dimensions(mm)			
		h	B	b	drope 1)
GME-117798	BS 28	680	360	262	32
GME-117805	BS 32	770	400	332	36
GME-117811	BS 37	950	440	380	36
GME-117816	BS 42	1000	480	418	40
GME-117822	BS 47	1100	520	438	44
GME-117827	BS 52	1200	550	456	44
GME-117833	BS 57	1350	600	500	48
GME-135160	BS 65	1430	690	600	46
GME-135161	BS 75	1530	760	700	50
GME-135162	BS 85	1680	850	760	52



Lifting Socket

The lifting sockets are widely used in the application of precast concrete production, such as lifting beams, walls floor slabs, etc. A reinforcement bar must be inserted through the cross hole to ensure the proper transmission of the load from the socket into the concrete.



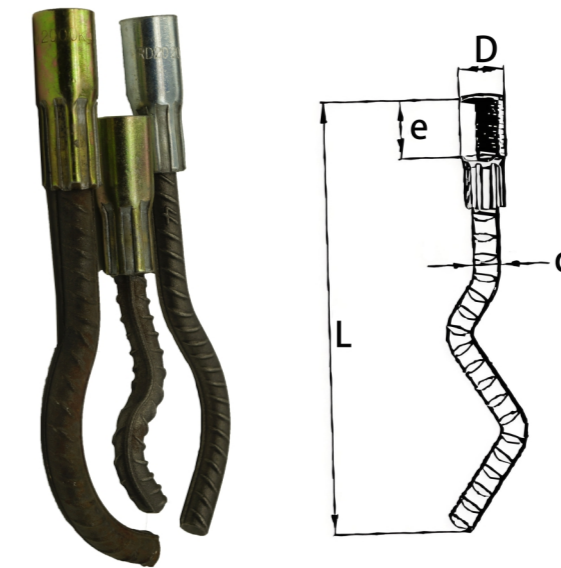
Specification

Number	Description	Ref.No	No.SWL(Kg)	Dimensions(mm)				
				d	D	L	c	e
GME300112040	Rd12	10101	500	Rd12x1.75	15	40	8	22
GME300114047	Rd14	10104	800	Rd14x2.0	18	47	10.5	25
GME300116054	Rd16	10107	1200	Rd16x2.0	21	54	13	27
GME300118065	Rd18	10110	1600	Rd18x2.5	24	65	13	34
GME300120069	Rd20	10113	2000	Rd20x2.5	27.2	69	15.5	35
GME300124078	Rd24	10116	2500	Rd24x3.0	31	78	18	43
GME300130103	Rd30	10119	4000	Rd30x3.5	39.5	103	22.5	56
GME300136125	Rd36	10122	6300	Rd36x4.0	47	125	27.2	68
GME300142145	Rd42	10125	8000	Rd42x4.5	54	145	32	80
GME300152195	Rd52	10128	12500	Rd52x5	67.2	195	40	97

Other lengths and metric threads available on request Safety factor 3:1

Wavy Tail Anchor (Long Type)

Long Wavy tail anchors are suitable for transporting very thin-walled prefabricated components such as thin walls, flat panels, and so on. Even prefabricated masonry wall components can be transported with such wavy tail anchors.



Specification

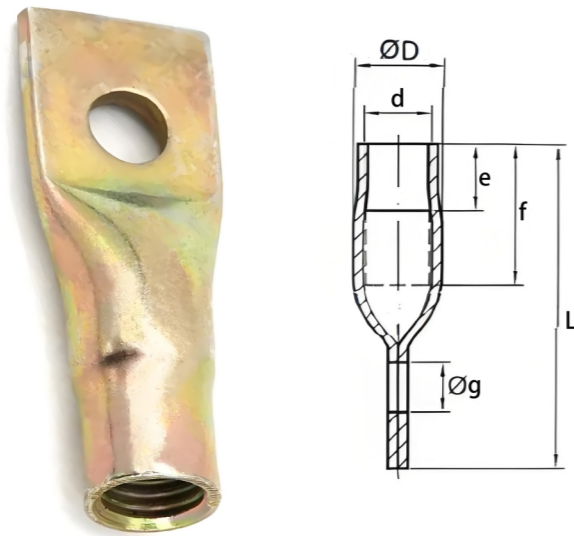
Number	S.W.L(Kg)	Size	Dimensions(mm)			
			L	D	d	e
GME330212137	Rd12	500	137	16	8	22
GME330216216	Rd16	1200	216	21	12	27
GME330220257	Rd20	2000	257	27	14	35
GME330224350	Rd24	2500	350	31	16	43
GME330230450	Rd30	4000	450	40	20	56
GME330236570	Rd36	6300	570	48	25	69
GME330242620	Rd42	8000	620	54	28	80
GME330252880	Rd52	12500	880	68	32	95

Other lengths and metric threads available on request Safety factor 3:1



Fixing Inserts

Fixing Inserts are used for the fixing of lightweight precast-concrete units. A reinforcement tail must be used for the transmission of the load into the concrete. The fixing inserts are not supposed to be used for lifting in any case.



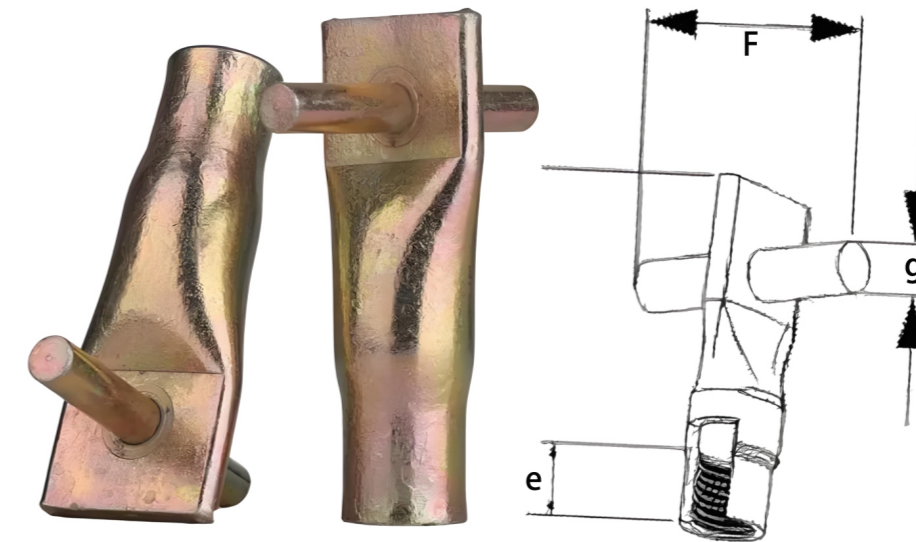
Specification

Number	Size	S.W.L(Kg)	Dimensions(mm)		
			L	g	e
GME310508050	M8	250	50	8.5	8
GME310510050	M10	350	50	9.5	10
GME310510060	M10	400	60	9.5	10
GME310512060	M12	400	60	10.5	12
GME310512070	M12	600	70	10.5	12
GME310516080	M16	800	80	12.5	16
GME310516100	M16	1000	100	12.5	16
GME310520100	M20	1250	100	14.5	20
GME310520120	M20	1250	120	14.5	20
GME310524120	M24	1800	120	14.5	24

Stainless steel 304(A2)/316(A4) are available upon request Safety factor is 3:1

Fixing Socket With Cross Pin

Fixing sockets for high tensile and shear loads. Widely used in the application of precast concrete construction, such as lifting beams, wall and floor slabs, etc. Crossbar factory fitted. Dimensions & Safe Working Loads at Concrete strength of 25N/mm²



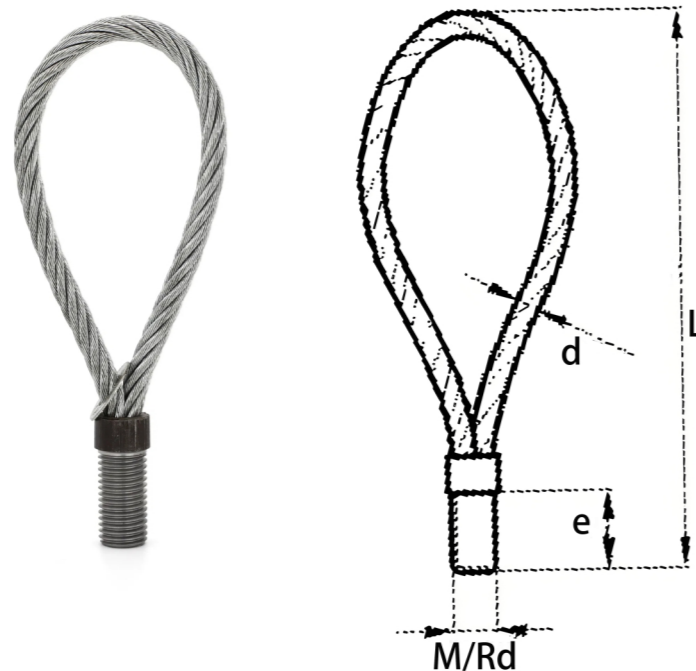
Specification

Number	Size	S.W.L(Kg)	Dimensions(mm)		
			F	g	e
GME310208050	M8	250	40	6	8
GME310210060	M10	450	50	6	10
GME310212060	M12	500	50	10	12
GME310216100	M16	1000	80	10	16
GME310220100	M20	1250	100	12	20
GME310224120	M24	1700	100	12	24



Lifting loop

The Lifting Loop is a component in the thread system which serves as a lifting key. Its pressure plate creates a large contact surface to guarantee an optimal, even distribution of pressure onto the precast concrete element. It also permits force transmission in every direction; tensile, parallel shear and transversal shear loads. The thread size and clear color coding within the thread system mean fast, reliable identification for the user.

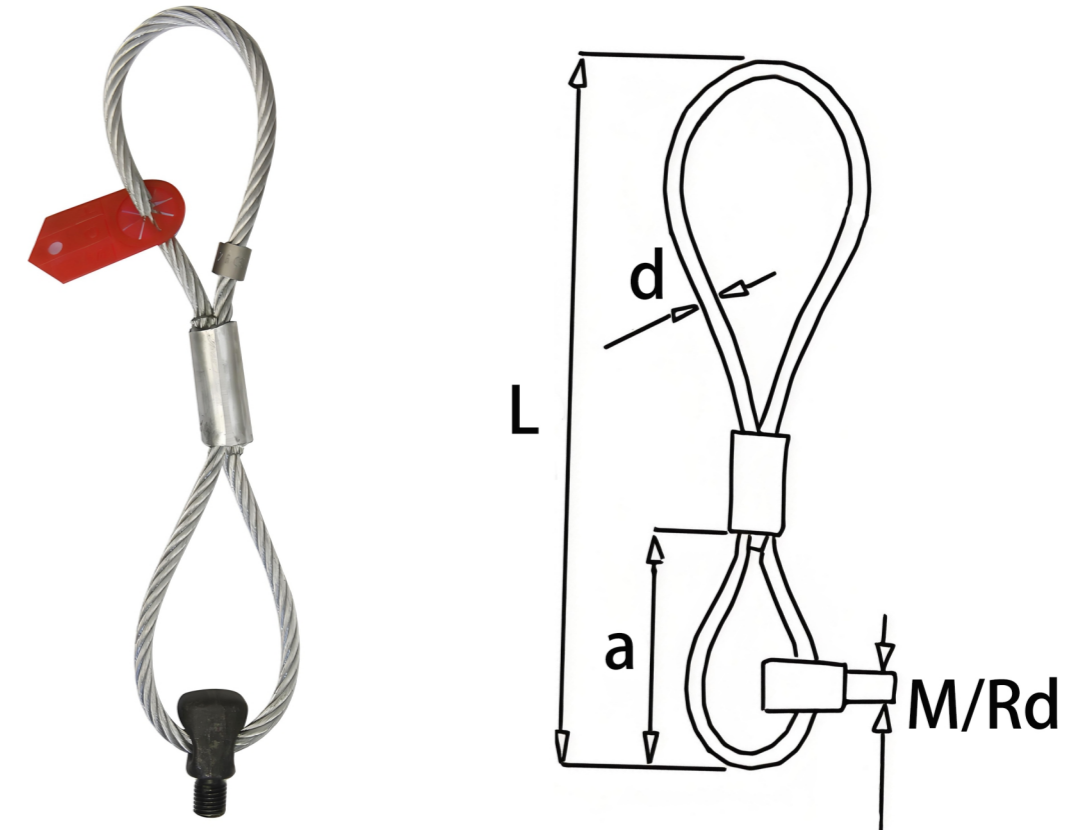


Specification

Number	Size	l(mm)	d(mm)	e(mm)
GME3701-12	M/Rd12	155	6	20
GME3701-16	M/Rd16	155	8	24
GME3701-20	M/Rd20	215	10	33
GME3701-24	M/Rd24	255	12	36
GME3701-30	M/Rd30	300	14	54
GME3701-36	M/Rd36	340	18	67
GME3701-42	M/Rd42	425	20	78
GME3701-52	M/Rd52	480	24	95

Special Lifting loop

A hybrid of the lifting loop and the lifting hole, are used where lifts over 45 are required. Combines the saving of the loop with the increased flexibility of the hole.

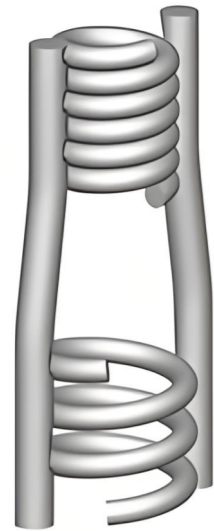


Specification

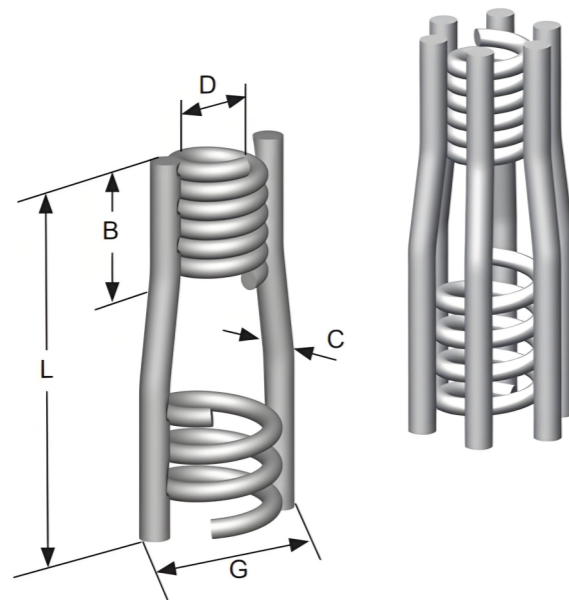
Number	Size	L(mm)	d(mm)	a(mm)
GME3702-12	M/Rd12	355	8	100
GME3702-16	M/Rd16	385	10	120
GME3702-20	M/Rd20	470	14	150
GME3702-24	M/Rd24	550	18	170
GME3702-30	M/Rd30	590	20	210
GME3702-36	M/Rd36	620	24	280



Expanded Coil Inserts-With 2, 4, and 6 Struts



The coil is welded to dual-flared wire loop struts. Intended for use in heavy anchorage conditions. Inserts located at the end of either two or four wire connecting struts.

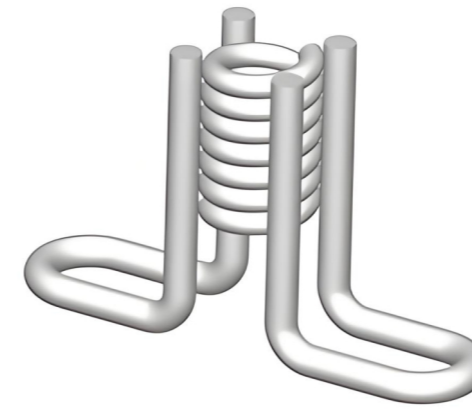


Specification

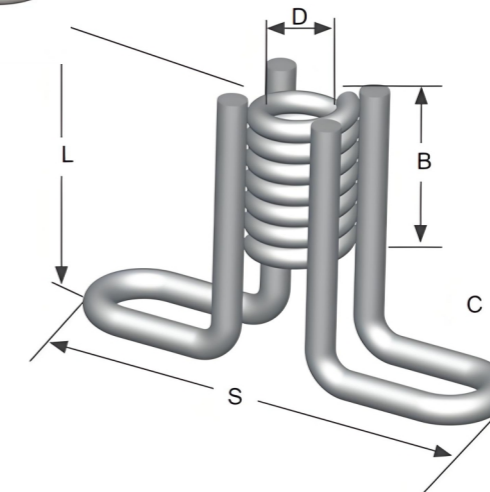
Number	D	L	B	C	G	SWL(lbs)	Struts
GME-C56-3/4	3/4"	4-1/2"	1-5/8"	0.440"	2-1/8"	4250	2
GME-C56c-1	1"	5-1/2"	2-1/16"	0.440"	2-3/4"	6250	2
GME-C58C-1-1/4	1-1/4"	7-1/2"	2-*3/8"	0.440"	3"	12000	4
GME-C60C-1-1/4	1-1/2"	9-1/2"	2-9/16"	0.440"	3"	16250	6

Safe working loads based on approximate 4:1 Safety Factor in 3,000 psi normal weight concrete.

Flared Thin Slab Coil Insert- Wing Nut Style



Very versatile insert intended for use for lifting and handling thin slab concrete. The coil is welded to four "L" shaped legs.

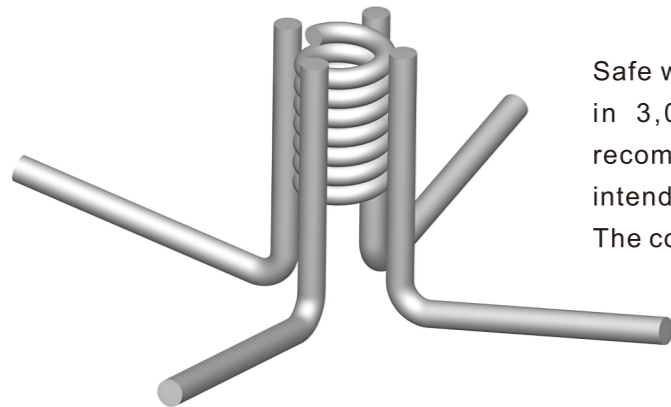


Specification

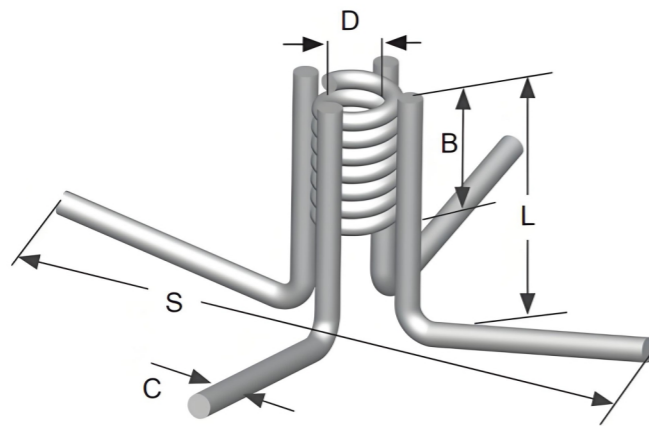
Number	D	L	B	C	S	SWL(lbs)	Suggested Edge Distance
GME-C63C05175	1/2"	1-3/4"	1-3/16"	0.223"	4-1/2"	950	4"
GME-C63C0752516	3/4"	2-5/16"	1-5/8"	0.375"	4-7/8"	200	5"
GME-C63C07530	3/4"	3"	1-5/8"	0.375"	4-7/8"	2980	8"
GME-C63C075312	3/4"	3-1/2"	1-5/8"	0.375"	4-7/8"	3400	10"
GME-C63C07540	3/4"	4"	1-5/8"	0.375"	4-7/8"	3400	10"
GME-C63C102516	1"	2-5/16"	2-1/16"	0.375"	5-1/4"	2000	5"
GME-C63C1030	1"	3"	2-1/16"	0.375"	5-1/4"	2980	8"
GME-C63C10350	1"	3-1/2"	2-1/16"	0.375"	5-1/4"	3400	10"
GME-C63C1040	1"	4"	2-1/16"	0.375"	5-1/4"	3400	10"
GME-C63C10412	1"	4-1/2"	2-1/16"	0.375"	5-1/4"	4750	10"



Thin Slab 4 Leg Coil Inserts



Safe working loads based on approximate 4:1 Safety Factor in 3,000 psi normal weight concrete. GME does not recommend using 1/2" inserts for lifting. Very versatile insert intended for use for lifting and handling thin slab concrete. The coil is welded to four "L" shaped legs.



Specification

Number	D	L	B	C	S	SWL(lbs)	Struts
GME-C53C0753	3/4"	3"	1-5/8"	0.375"	7-1/16"	2000	4
GME-C53C07540	3/4"	4"	1-5/8"	0.375"	7-1/16"	2000	4
GME-C53C0755	3/4"	5"	1-5/8"	0.375"	7-1/16"	2500	4
GME-C53C1035	1"	3-1/2"	2-1/16"	0.375"	9-3/8"	3000	4
GME-C53C1040	1"	4"	2-1/16"	0.375"	9-3/8"	3000	4
GME-C53C1055	1"	5-1/2"	2-1/16"	0.375"	9-3/8"	3000	4
GME-C53C10612 W/6	1"	6-1/2"	2-1/16"	0.375"	9-3/8"	3000	4
GME-C53C1240	1-1/4"	4"	2-1/16"	0.375"	9-3/4"	3000	4

Safe working loads based on approximate 4:1 Safety Factor in 3,000 psi normal weight concrete.

Rebar Tie Wire



Rebar tie wires are made from ideal carbon steel and stainless steel grades to suit the environment they must endure. Rebar tie wires are drawn and dead-soft annealed to produce the greatest possible flexibility, which provides a tough yet flexible wire that is easy to twist but hard to break—also known as twin tie spools for use with MAX rebar binding tools and twin tie wire.

Specification

Number	Specification
GME-TW1.0-DG	1.0*Double wire, galvanizing
GME-TW0.8-SG	0.8*Single wire, galvanizing
GME-TW1.0-DO	1.0*Double wire, original color
GME-TW0.8-SO	0.8*Single wire, original color

Advantage

1. Double the speed, save costs, shorter tying height, save time and tying wire length.
2. Faster, stronger and easier to operate.
3. Helps reduce costs and shorten construction time.
4. The wire height is reduced by 50%





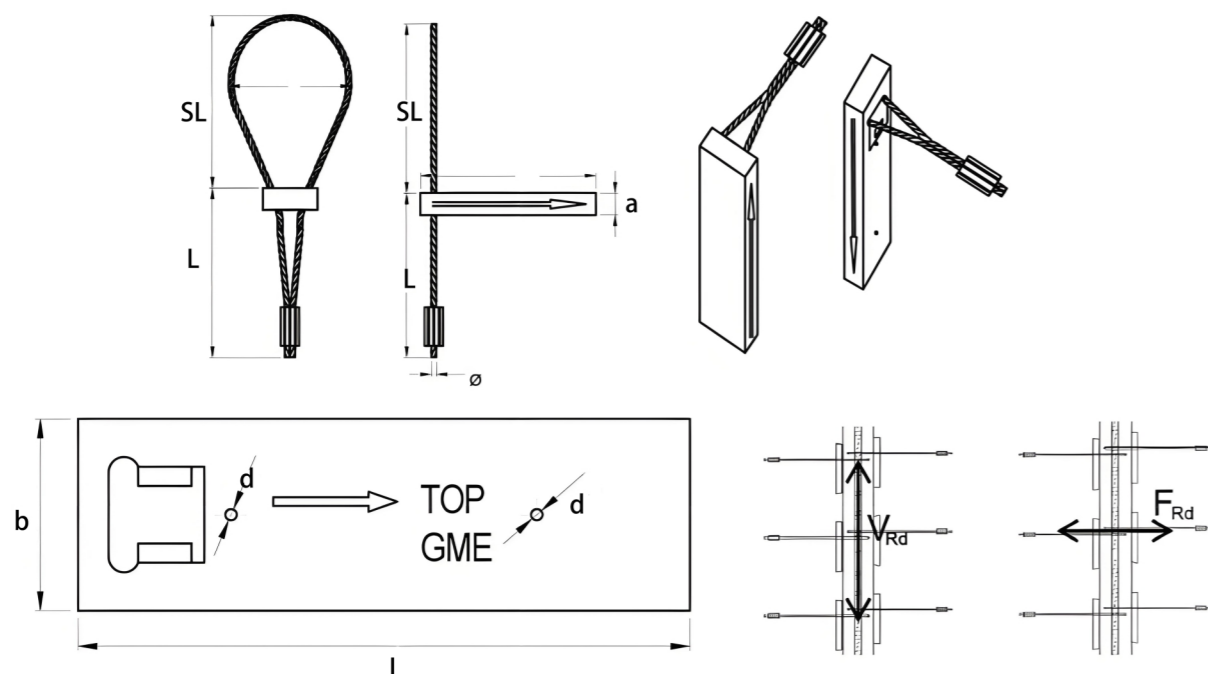
Connector Box Loop

The connector box loop is made of high-strength steel wire rope and protected by a galvanized box and tape. The box is easy to install into the formwork of the concrete member, and the wire rope is pulled out of the box to form two adjacent wallboard connections before the concrete is poured. Mainly used for double-sided laminated shear walls, solid walls, sandwich insulation wall panels, etc. Available in single and double models.



Specification

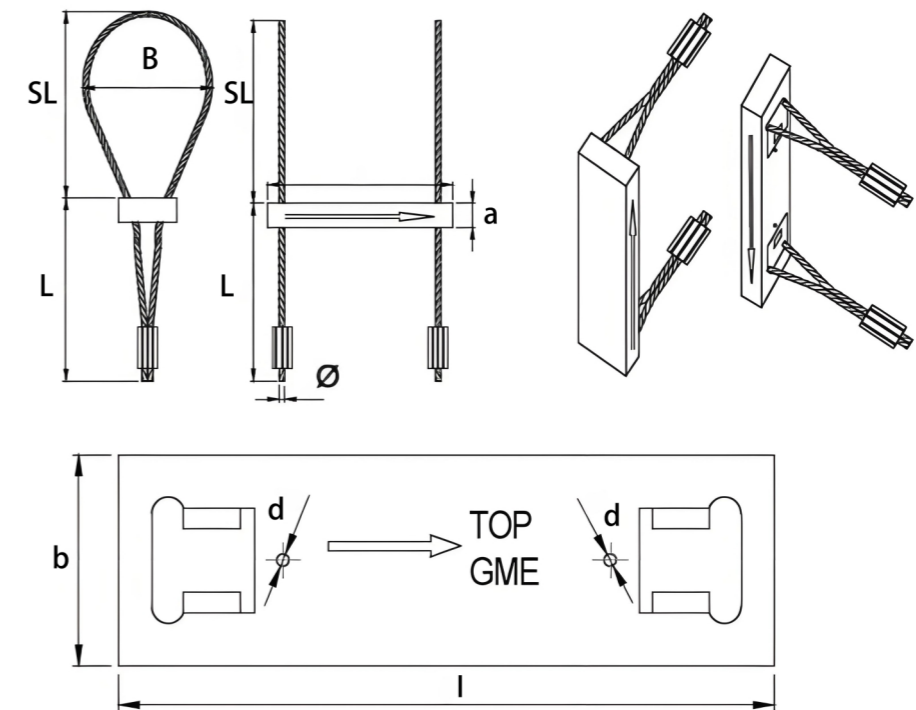
Single Connector Box Loop



Number	Item	b(mm)	i(mm)	a(mm)	d(mm)	L(mm)	SL(mm)
GME500S80	GME-S-80	80	220	25	3	212	80
GME500S100	GME-S-100	80	220	25	3	212	100
GME500S120	GME-S-120	80	220	25	3	212	120

Other specifications can be customized

Double Connector Box Loop



Number	Item	b(mm)	i(mm)	a(mm)	d(mm)	L(mm)	SL(mm)
GME500D80	GME-D-80	50	160	20	3	212	80
GME500D100	GME-D-100	50	160	20	3	212	100
GME500D120	GME-D-120	50	160	20	3	212	120

Other specifications can be customized