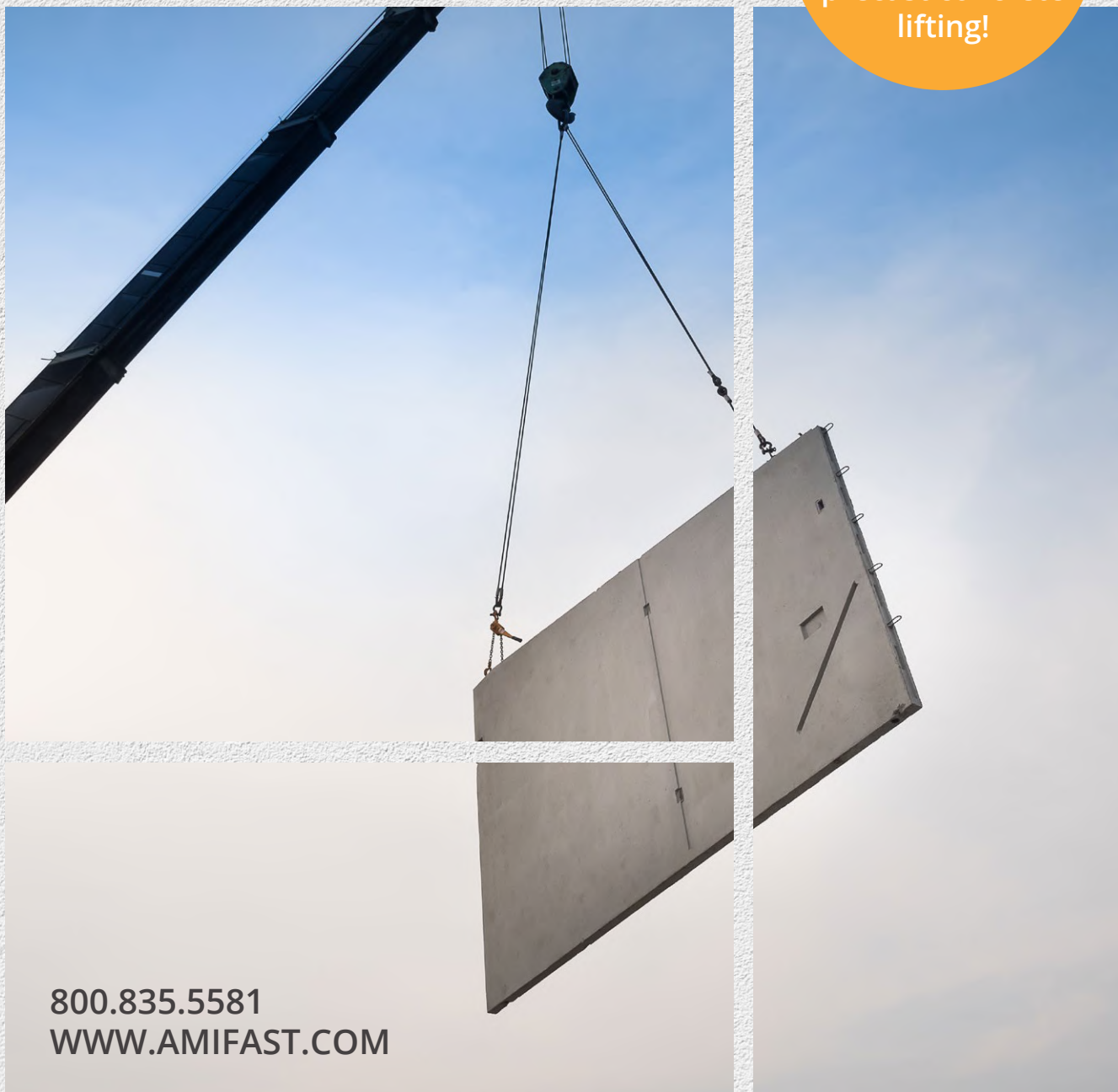




PROLIFT

PRECAST CONCRETE LIFTING
AND ACCESSORIES

INSIDE
Our complete
PROLIFT line for
precast concrete
lifting!



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PROLIFT

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Introducing PROLIFT concrete lifting products by Amifast.

For over 30 years, Amifast has provided quality products to the industrial and construction industry. We're pleased to introduce a full line of precast lifting anchors and accessories servicing the precast concrete industry. The ProLift product line is built on the quality and value our customers expect. Manufactured to comply with OSHA 1926.704 standards, the ProLift family of products keeps you focused on the mission critical functions of your business.

Contact our customer service team to learn how ProLift can provide flexibility and increased value for your business.

**PROLIFT means quality.
 PROLIFT means value.**





The Amifast Difference

Since 1983, Amifast has delivered quality products to the industrial and construction industries. Our customers manage businesses around the globe, and we're proud to play a role in their supply chain. While sometimes small, our products are often integral to their final product and ultimately their customer's satisfaction.

Quality is the most important factor in our customer's business, and your business is our business. Our PROLIFT

line follows that mantra. Lifting accessories are critical components of larger products. Details matter, and we sweat the details, so you don't have to. While lifting inserts and accessories comprise a minority of our customer's costs, the cost of failure is high. That's why Amifast's commitment to quality and value matters.

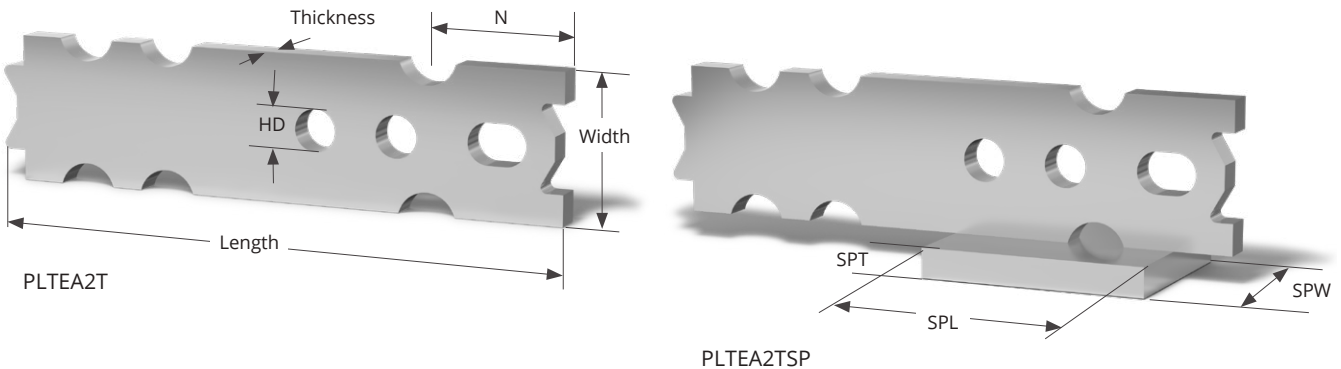
We're here to serve you and your business. We aim to provide the highest level of customer service in

the industry. Your assigned account representative is available when you need them, to support all of your business' needs.

Al Cameron
President

Tech Erection Anchor

The Amifast Tech Erection Anchor is designed for specific applications involving thin precast elements during the edge lifting and rotation/handling process. If desired, the anchor utilizes a shear plate and a tension bar that loops through the anchor to distribute the load into the concrete. The specialized design of the anchor helps prevent spalling of the concrete and keeps the lateral loads within the anchor.

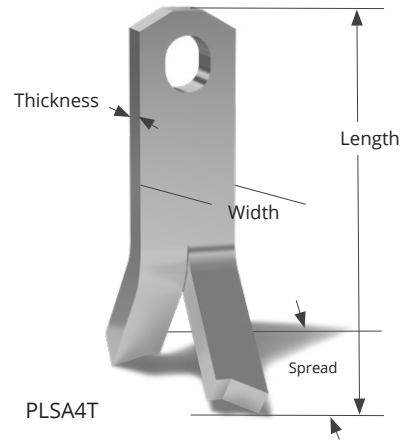


Item #	Size (T)	Length	Width	Thickness	Weight (lbs)	N	HD	SPL	SPW	SPT	Lifting Clutch	Recess Former	SWL	Safety Factor	UML/T
Tech Erection Anchor															
PLTEA2T	2T	8	2	3/8	1.46	1 13/16	9/16				PLRC23T	PLRM2	4000	4:1	16000
PLTEA4T	4T	10 1/2	2 1/2	5/8	3.89	2 1/2	3/4				PLRC46T	PLRM46	8000	4:1	32000
PLTEA8T	8T	12 13/16	3 3/4	3/4	8.67	3 3/16	1				PLRC811T	PLRM811	16000	4:1	64000
Tech Erection Anchor with Shearplate															
PLTEA2TSP	2T	8	2	3/8	2.33	1 13/16	9/16	3	2 1/2	3/8	PLRC23T	PLRM2	4000	4:1	16000
PLTEA4TSP	4T	10 1/2	2 1/2	5/8	4.80	2 1/2	3/4	3	2 1/2	3/8	PLRC46T	PLRM46	8000	4:1	32000
PLTEA8TSP	8T	12 13/16	3 3/4	13/16	9.91	3 3/16	1	3 1/2	3	3/8	PLRC811T	PLRM811	16000	4:1	64000

Material High Strength Steel
 Finish HDG
 HD Hole Diameter
 SWL Safe Working Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

Spread Anchor

The Spread Anchor utilizes a unique spread-foot design to enhance pull-out capacity and allow for 360-degree load application with adequate edge distances. The Spread Anchor is ideal for face or edge lifting of panels during stripping, handling, or horizontal lifting to vertical rotation. Please note that the Spread Anchor can cause spalling of concrete when pulling in shear perpendicular to the void, regardless of edge distance.

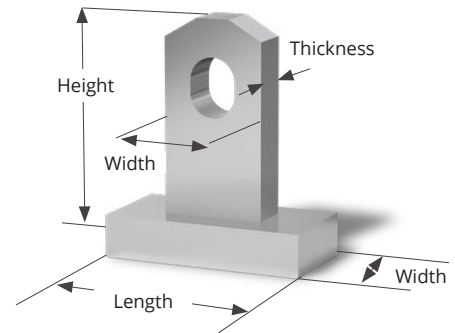


Item #	Size (T)	Length	Width	Thickness	Weight (lbs)	Spread	Lifting Clutch	Recess Former	SWL	Safety Factor	UML/T
Spread Anchor											
PLSA1T	1T	4 3/4	1 1/4	3/16	0.36	2 11/16	PLRC23T	PLRM1	2000	4:1	8000
PLSA2T	2T	5 1/2	1 1/4	3/8	0.80	2 5/8	PLRC23T	PLRM2	4000	4:1	16000
PLSA8T	8T	11	2 1/2	13/16	6.10	4 3/8	PLRC811T	PLRM811	16000	4:1	64000

Material High Strength Steel SWL Safe Working Load
 Finish HDG UML/T Ultimate Mechanical Load in Tension (lbs)

Plate Anchor

The Plate Anchor is a simple and effective anchor with high pullout strength and low-profile design. The anchor can be utilized for stripping from formwork, face lifts of thin-walled elements, and handling or erection applications. Recommended installation requires the crisscrossing of minimum 18" long #4 rebar over the lower plate of the anchor in both directions.



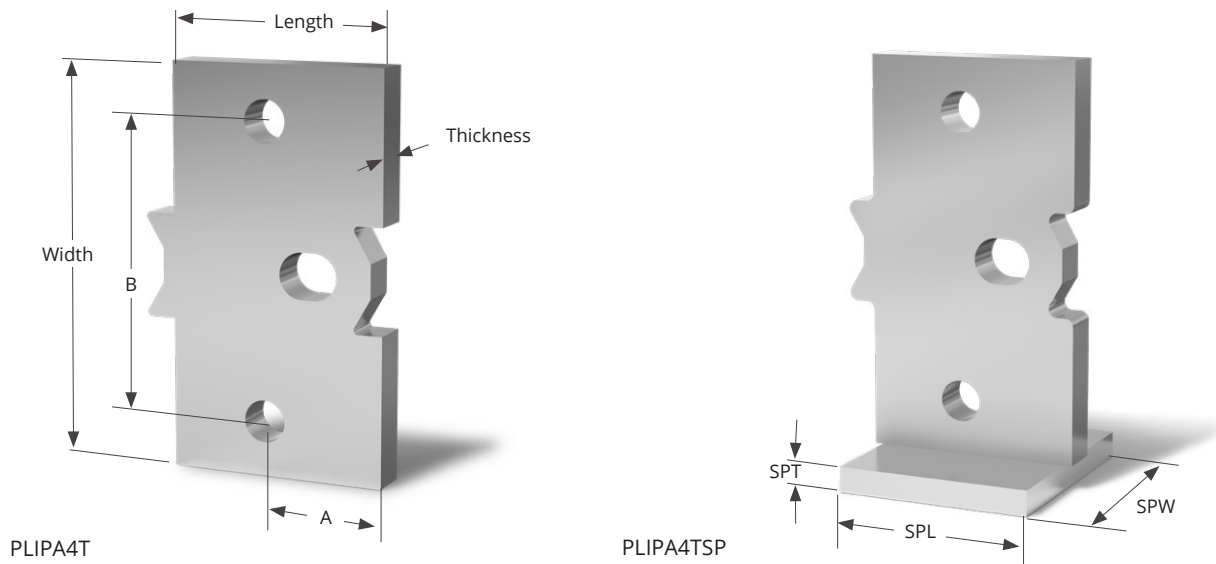
PLPA4T312

Item #	Size (T)	Length	Width	Height	Thickness	Weight (lbs)	Lifting Clutch	SWL	Safety Factor	UML/T
Plate Anchor										
PLPA2T214	2T	3 5/8	1 1/4	2 1/4	3/8	0.79	PLRC23T	4000	4:1	16000
PLPA4T3	4T	3 1/8	1 1/2	3	5/8	1.33	PLRC46T	8000	4:1	32000
PLPA4T312	4T	3 1/8	1 1/2	3 1/2	5/8	1.49	PLRC46T	8000	4:1	32000
PLPA4T438	4T	4	1 1/2	4 3/8	5/8	1.93	PLRC46T	8000	4:1	32000
PLPA8T614	8T	5	2 1/2	6 1/4	3/4	5.65	PLRC811T	16000	4:1	64000
PLPA8T718	8T	5	2 1/2	7 1/8	3/4	6.16	PLRC811T	16000	4:1	64000

Material High Strength Steel SWL Safe Working Load
 Finish HDG UML/T Ultimate Mechanical Load in Tension (lbs)

Insulated Panel Anchor

The Insulated Panel Anchor is designed to be used for erection of insulated sandwich panels. This anchor has a unique design for use with a sandwich style panel. It utilizes two bent shear bars extending through the anchor that distribute loads evenly to both concrete wythes, while minimizing the loss of insulation.

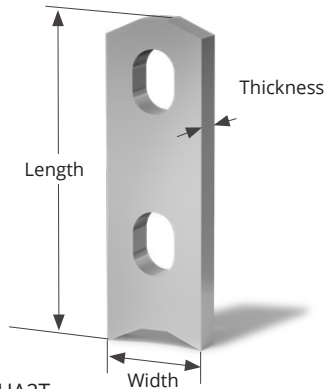


Item #	Size (T)	Length	Width	Thickness	Weight (lbs)	A	B	SPL	SPW	SPT	Lifting Clutch	Recess Former	SWL	Safety Factor	UML/T
Insulated Panel Anchor															
PLIPA4T	4T	3 1/4	6	5/8	3.21	1 13/16	4 3/8				PLRC46T	PLRM46	8000	4:1	32000
PLIPA8T	8T	4 3/4	6	3/4	5.60	3 3/8	4 3/8				PLRC811T	PLRM811	16000	4:1	64000
PLIPA10T7	10T	4 3/4	7	3/4	7.01	3 3/8	5				PLRC811T	PLRM811	20000	4:1	80000
PLIPA10T8	10T	4 3/4	8	3/4	7.90	3 3/8	6				PLRC811T	PLRM811	20000	4:1	80000
Insulated Panel Anchor with Shear Plate															
PLIPA8TSP	8T	4 3/4	6	3/4	6.91	3 3/8	4 3/8	3	3 1/2	3/8	PLRC811T	PLRM811	16000	4:1	64000
PLIPA10T7SP	10T	4 3/4	7	3/4	9.48	3 3/8	5	3	8	3/8	PLRC811T	PLRM811	20000	4:1	80000
PLIPA10T8SP	10T	4 3/4	8	3/4	10.67	3 3/8	6	3	8	3/8	PLRC811T	PLRM811	20000	4:1	80000

Material High Strength Steel SWL Safe Working Load
 Finish HDG UML/T Ultimate Mechanical Load in Tension (lbs)

Two-Hole Anchor

The Two-Hole Anchor is a low-profile insert optimized for stripping and handling of panels where spread-type anchors cannot be used. When used with a tension bar, the anchor can achieve high tension loads in low compressive strength, thin precast panels. The anchor may cause spalling when pulling in shear parallel to the face of the anchor therefore shear loads should be applied perpendicular to the face of the anchor at the center of the recess.



PL2HA2T

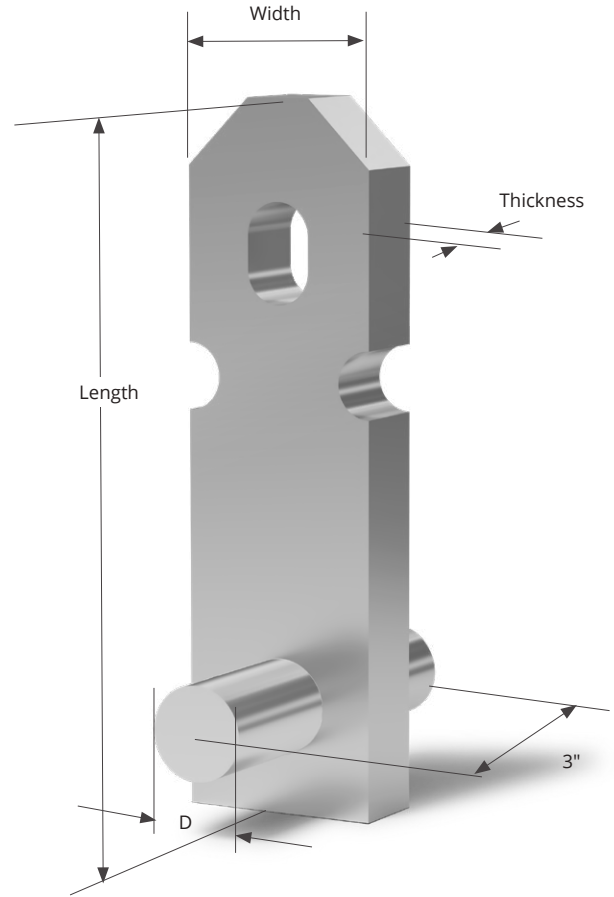


Item #	Size (T)	Length	Width	Thick-ness	Weight (lbs)	Lifting Clutch	Recess Former	SWL	Safety Factor	UML/T	Lifting Clutch	Recess Former	SWL	Safety Factor	UML/T
2 Hole Anchor															
PL2HA2T	2T	4	1 1/4	3/8	0.45	PLRC23T	PLRM2	4000	4:1	16000	PLRC46T	PLRM46	8000	4:1	32000
PL2HA4T	4T	5 1/2	1 1/2	5/8	1.14	PLRC46T	PLRM46	8000	4:1	32000	PLRC811T	PLRM811	16000	4:1	64000
PL2HA8T	8T	7	2 1/2	3/4	3.15	PLRC811T	PLRM811	16000	4:1	64000	PLRC811T	PLRM811	20000	4:1	80000

Material High Strength Steel SWL Safe Working Load
 Finish HDG UML/T Ultimate Mechanical Load in Tension (lbs)

T-Bar Anchor

The Amifast T-Bar Anchor is another variation of the erection anchor and utilizes a horizontal bar running through the anchor, which results in a T-shape. The design produces higher pullout strength than related anchors and is ideal for use in back-stripping and panel rotation applications.

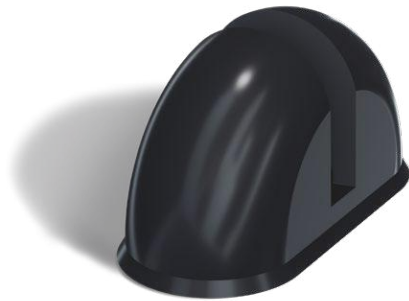


PLTBA4T514

Item #	Size (T)	Length	Width	Thickness	Weight (lbs)	D	Lifting Clutch	Recess Former	SWL	Safety Factor	UML/T
T Bar Anchor											
PLTBA2T4	2T	4	1 1/4	3/8	0.64	1/2	PLRC23T	PLRM2	4000	4:1	16000
PLTBA4T414	4T	4 1/4	1 1/2	5/8	1.18	11/16	PLRC46T	PLRM46	5500	4:1	32000
PLTBA4T514	4T	5 1/4	1 1/2	5/8	1.41	11/16	PLRC46T	PLRM46	8000	4:1	32000
PLTBA4T614	4T	6 1/4	1 1/2	5/8	1.61	11/16	PLRC46T	PLRM46	8000	4:1	32000
PLTBA4T714	4T	7 1/4	1 1/2	5/8	1.92	11/16	PLRC46T	PLRM46	8000	4:1	32000
Material	High Strength Steel		D	Wire Diameter		UML/T	Ultimate Mechanical Load in Tension (lbs)				
Finish	HDG		SWL	Safe Working Load							

Recess Former

Recess Former for use with PROLIFT Erection Anchors.

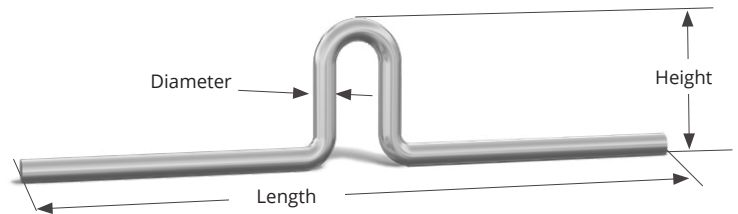


PLRM46

Item #	Size (T)	Material	Weight (lbs)
PROLIFT Recess Former			
PLRM1	1T	Rubber	.224
PLRM2	2T	Rubber	.227
PLRM46	4-6T	Rubber	.471
PLRM811	8-11T	Rubber	1.211

Shear Bar

Shear Bars are used in conjunction with standard anchors/lifters to increase the shear capacity, typically in thin panel applications. The Shear Bar will fit over the anchor and sit tightly against it. The addition of the Shear Bar allows for shear loads to transfer deeper into the slab to both increase capacity and reduce or prevent spalling.

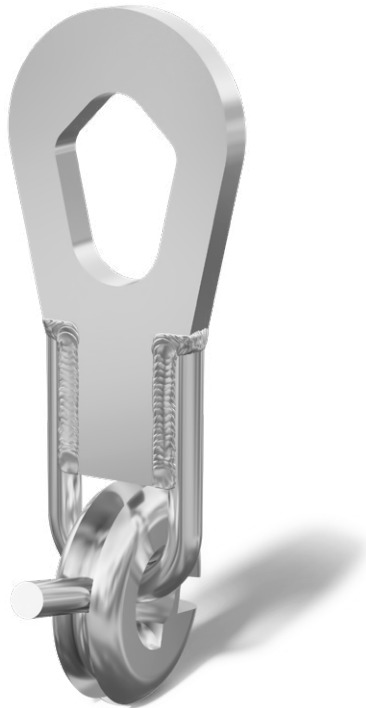


PLSB46T

Item #	Size (T)	Length	Height	Diameter	Finish	Weight (lbs)
Shear Bar						
PLSB23T	2-3T	14 3/4	2 1/2	1/2	HDG	0.95
PLSB46T	4-6T	14 3/4	3 1/3	1/2	Plain	1.06
PLSB811T	8-11T	14 3/4	5 3/8	1/2	Plain	1.24
Material	Steel					

Ring Clutch

The Ring Clutch is a lifting assembly consisting of a bail, clutch, and curved bolt handle. To correctly use the clutch, slide the curved bolt to the open position, and then slide it closed when aligned with the lifting anchor opening.



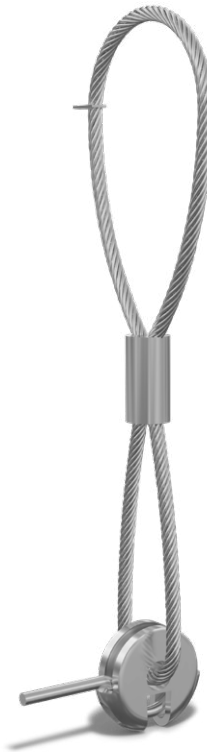
PLRC

Item #	Size (T)	Weight (lbs)	SLL	Safety Factor	UML/T
Lifting Clutch					
PLRC23T	2-3T	4.69	6000	5:1	30000
PLRC46T	4-6T	9.13	12000	5:1	60000
PLRC811T	8-11T	21.56	22000	5:1	110000

Material High Strength Steel
 SLL Safe Lifting Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

Cable Ring Clutch

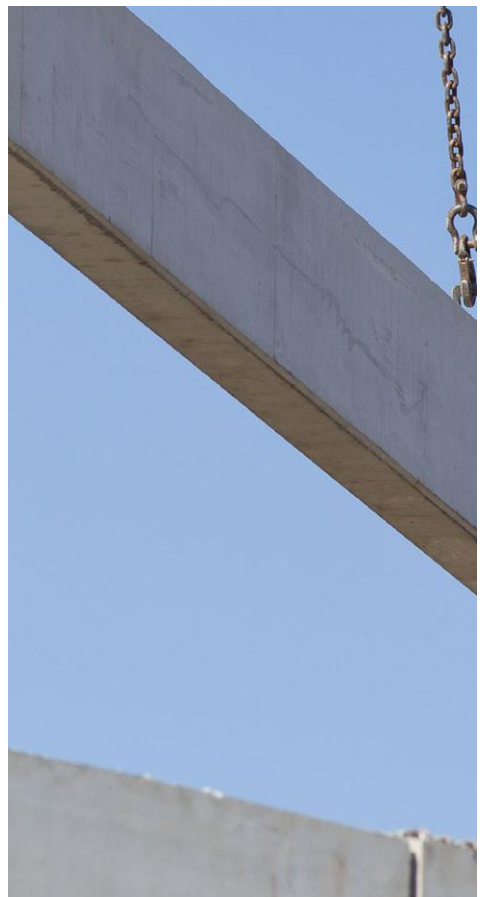
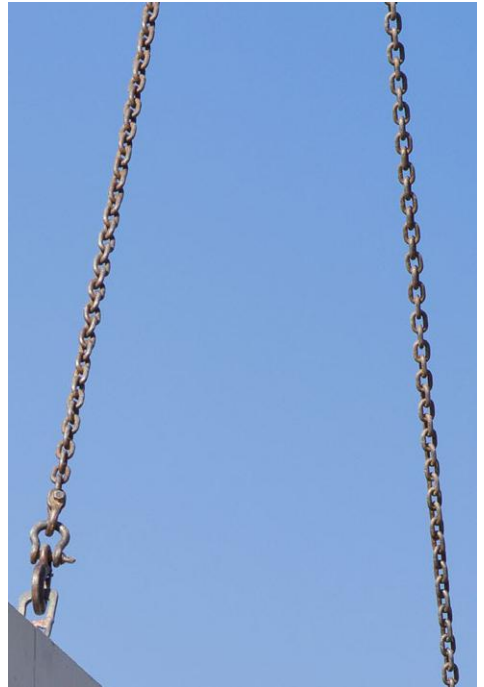
The Cable Ring Clutch is a lifting assembly consisting of a cable with swage, clutch, and curved bolt handle. To correctly use the clutch, slide the curved bolt to the open position, and then slide it closed when aligned with the lifting anchor opening.



PLCRC46T

Item #	Size (T)	Weight (lbs)	SLL	Safety Factor	UML/T
Cable Ring Lifting Clutch					
PLCRC23T	2-3T	3.28	6000	5:1	30000
PLCRC46T	4-6T	7.89	12000	5:1	60000
PLCRC811T	8-11T	24.52	22000	5:1	110000

Material High Strength Steel
 SLL Safe Lifting Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

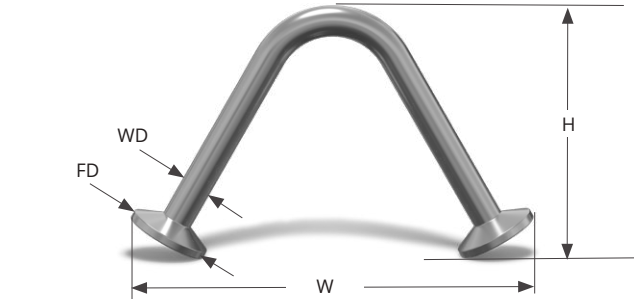


Utility Anchor

The Utility Anchor is a versatile and economical insert for the lifting and handling of precast concrete elements. The ease of installation and high safe working load are a few of the many benefits of this insert.

Utility Anchors are commonly used for stripping precast elements from forms, loading and handling of elements pre and post shipment, and as a pulling iron on site. The Utility Anchor accepts a standard hook or shackle.

Proper installation is crucial for the product to provide the published safe working loads. The Utility Anchor utilizes reusable rubber recess formers to assist with proper positioning during installation. Safe engagement of the anchor requires that the hook or shackle does not contact the surrounding concrete when loaded and the hook latch should be oriented opposite from the direction of the load.



PL54G



PL66G

Foot Markings



Anchor ID

Standard .444" & .671" Utility Anchors

Item #	Panel Size	W	H	FD	WD	Weight (lbs)	Recess Former	Safety Factor	AC 90T (lbs)	AC 90S (lbs)	Anchor ID
.444" Utility Anchor											
PL44G	4"	5 1/4	3 1/8	15/16	.444"	.41	PLRM444	4:1	3200	5800	4/4
PL54G	5"	6	3 3/4	15/16	.444"	.46	PLRM444	4:1	3860	7710	5/4
PL64G	6"	7 3/16	4 3/4	15/16	.444"	.58	PLRM444	4:1	4460	9460	6/4
.671" Utility Anchor											
PL56G	5"	6 3/8	3 3/4	1 5/8	.671"	1.08	PLRM671	4:1	4560	8430	5/6
PL66G	6"	7 9/16	4 3/4	1 5/8	.671"	1.29	PLRM671	4:1	7320	15780	6/6
PL86G	8"	9 7/8	6 3/4	1 5/8	.671"	1.75	PLRM671	4:1	10830	18850	8/6

Material High Strength Steel
Finish HDG

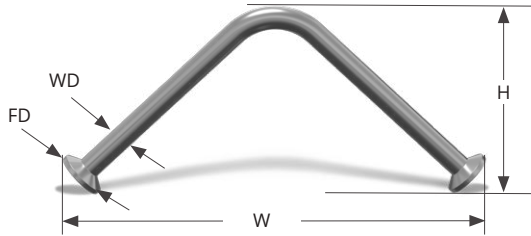
AC 90T (lbs)
AC 90S (lbs)

Anchor Capacity at 90° Tension (lbs)
Anchor Capacity at 90° Shear (lbs)

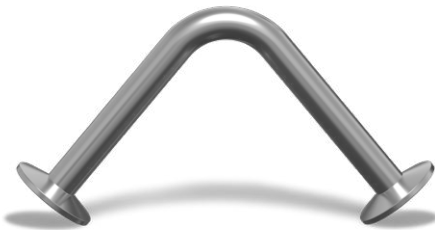
Minimum compressive strength of normal weight concrete at time of lift = 4000 psi
Anchor capacities based on mechanical testing and industry data

Utility Anchor Recess Former

Recess Former for use with PROLIFT Utility Anchors.



PL614G



PL618G



Item #	Size	Material	Weight (lbs)
PROLIFT Recess Former			
PLRM444	.444	Rubber	1.446
PLRM671	.671, 18mm	Rubber	1.726

Metric 14mm & 18mm Utility Anchors

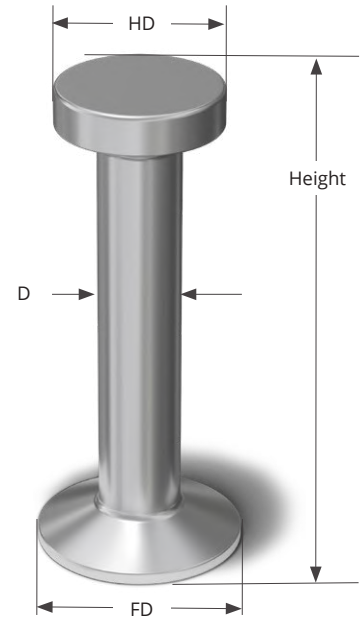
Item #	Panel Size	W	H	FD	WD	Weight (lbs)	Recess Former	Safety Factor	AC 90T (lbs)	AC 90S (lbs)	Anchor ID
14mm Utility Anchor											
PL414G	4"	6 1/4	3 3/16	1 3/16	14mm	.61		4:1	3500	5400	4/14
PL514G	5"	8 1/4	3 3/4	1 3/16	14mm	.77		4:1	5500	8500	5/14
PL614G	6"	10 5/8	4 3/4	1 9/16	14mm	1.10		4:1	6500	10100	6/14
18mm Utility Anchor											
PL518G	5"	8 3/4	3 3/4	2	18mm	1.44	PLRM671	4:1	6000	9300	5/18
PL618G	6"	9 1/16	4 3/4	2	18mm	1.60	PLRM671	4:1	7500	11600	6/18
PL818G	8"	12 3/8	6 3/4	2	18mm	2.16	PLRM671	4:1	13000	20000	8/18

Material High Strength Steel
Finish HDG

AC 90T (lbs)
AC 90S (lbs)

Anchor Capacity at 90° Tension (lbs)
Anchor Capacity at 90° Shear (lbs)

Minimum compressive strength of normal weight concrete at time of lift = 4000 psi
Anchor capacities based on mechanical testing and industry data



PLDB4T414G

The Dog Bone anchor is a high strength, economical, and low profile insert for lifting and handling of precast elements. The anchor utilizes forged spherical ends, one to prevent pullout under loading, and the other for lifting. The Dog Bone anchor utilizes an application specific "Lifting Eye" to attach rigging to the anchor.

The Dog Bone lifting system is ideal for applications requiring quick connect/disconnect, rotation, and repeated handling use. The lifting eye consists of a spherical head that attaches to the dog bone anchor, and a quick connect bail that attaches to the rigging. A key feature is the quick connect bail that can rotate freely through 180° degrees under load. Additionally, the spherical head, or lifting eye, has the ability to rotate 360° degrees while under load.

Due to the dynamic nature of the lifting system, use of the Dog Bone anchor for thin slab panels or edge lifting is not recommended.

Dog Bone

Item #	Size (T)	Height	FD	HD	D	Weight (lbs)	Lifting Eye	Recess Former	SWL 5000psi	Safety Factor	UML/T
1T											
PLDB1T238G	1T	2 3/8	1	3/4	3/8	.13	PLLE1T	PLDBRM1T	1910	4:1	8000
PLDB1T258G	1T	2 5/8	1	3/4	3/8	.14	PLLE1T	PLDBRM1T	2000	4:1	8000
PLDB1T338G	1T	3 3/8	1	3/4	3/8	.16	PLLE1T	PLDBRM1T	2000	4:1	8000
PLDB1T434G	1T	4 3/4	1	3/4	3/8	.21	PLLE1T	PLDBRM1T	2000	4:1	8000
2T											
PLDB2T234G	2T	2 3/4	1 3/8	1	9/16	.30	PLLE2T	PLDBRM2T	2510	4:1	16000
PLDB2T338G	2T	3 3/8	1 3/8	1	9/16	.34	PLLE2T	PLDBRM2T	3900	4:1	16000
PLDB2T434G	2T	4 3/4	1 3/8	1	9/16	.44	PLLE2T	PLDBRM2T	4000	4:1	16000
PLDB2T512G	2T	5 1/2	1 3/8	1	9/16	.49	PLLE2T	PLDBRM2T	4000	4:1	16000
PLDB2T634G	2T	6 3/4	1 3/8	1	9/16	.56	PLLE2T	PLDBRM2T	4000	4:1	16000
PLDB2T11G	2T	11	1 3/8	1	9/16	.84	PLLE2T	PLDBRM2T	4000	4:1	16000
4T											
PLDB4T334G	4T	3 3/4	1 3/4	1 7/16	11/16	.82	PLLE4T	PLDBRM4T	4700	4:1	32000
PLDB4T414G	4T	4 1/4	1 3/4	1 7/16	11/16	.90	PLLE4T	PLDBRM4T	5450	4:1	32000
PLDB4T434G	4T	4 3/4	1 3/4	1 7/16	11/16	.94	PLLE4T	PLDBRM4T	6700	4:1	32000
PLDB4T512G	4T	5 1/2	1 3/4	1 7/16	11/16	1.1	PLLE4T	PLDBRM4T	8000	4:1	32000
PLDB4T718G	4T	7 1/8	1 3/4	1 7/16	11/16	1.3	PLLE4T	PLDBRM4T	8000	4:1	32000
PLDB4T912G	4T	9 1/2	1 3/4	1 7/16	11/16	1.6	PLLE4T	PLDBRM4T	8000	4:1	32000
8T											
PLDB8T434G	8T	4 3/4	2 3/8	1 13/16	1 1/8	2	PLLE8T	PLDBRM8T	7450	4:1	64000
PLDB8T634G	8T	6 3/4	2 3/8	1 13/16	1 1/8	2.5	PLLE8T	PLDBRM8T	12850	4:1	64000
PLDB8T10G	8T	10	2 3/8	1 13/16	1 1/8	3.3	PLLE8T	PLDBRM8T	16000	4:1	64000
PLDB8T1338G	8T	13 3/8	2 3/8	1 13/16	1 1/8	4.3	PLLE8T	PLDBRM8T	16000	4:1	64000
20T											
PLDB20T10G	20T	10	3 7/8	2 7/8	1 5/8	7.7	PLLE20T	PLDBRM20T	21500	4:1	160000
PLDB20T1934G	20T	19 3/4	3 7/8	2 7/8	1 5/8	13.2	PLLE20T	PLDBRM20T	40000	4:1	160000

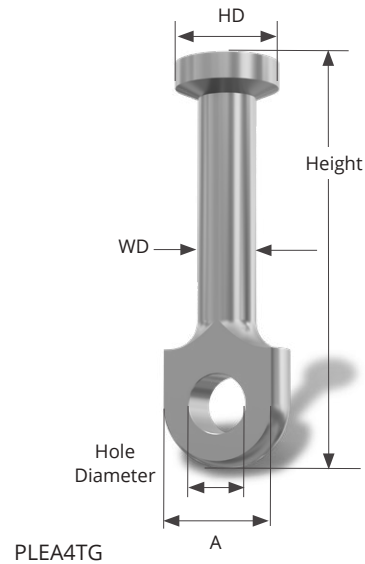
Material High Strength Steel
Finish HDG

SWL Safe Working Load in 5000 psi concrete
UML/T Ultimate Mechanical Load in Tension (lbs)

Eye Anchor

The Eye Anchor is an economical and high strength insert for the lifting and handling of precast elements. It is similar to the Dog Bone Anchor.

The Eye Anchor has an eye at the foot where tension bars can be looped through the insert. It is most beneficial when lifting thin slabs of lightweight concrete or elements requiring lifting at low compressive strengths (<2000 psi). The Eye Anchor provides maximum capacity when utilizing a tension bar and cast at the center of the panel.



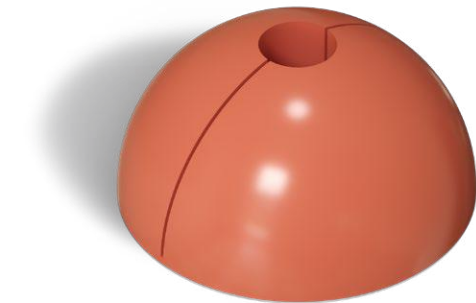
Item #	Size (T)	Height	A	HD	WD	Hole Diameter	Weight (lbs)	Lifting Eye	Recess Former	SWL	Safety Factor	UML/T
Eye Anchor												
PLEA1TG	1T	2 9/16	7/8	3/4	3/8	3/8	.14	PLLE1T	PLDBRM1T	2000	4:1	8000
PLEA2TG	2T	3 9/16	1 1/4	1	9/16	4/8	.35	PLLE2T	PLDBRM2T	4000	4:1	16000
PLEA4TG	4T	5 1/2	1 3/4	1 7/16	3/4	6/8	.90	PLLE4T	PLDBRM4T	8000	4:1	32000
PLEA8TG	8T	7 1/16	2 5/16	1 13/16	1 1/8	1 1/8	1.1	PLLE8T	PLDBRM8T	16000	4:1	64000
PLEA20TG	20T	9 13/16	3 1/4	2 13/16	1 9/16	1 4/8	6.9	PLLE20T	PLDBRM20T	40000	4:1	160000

Material High Strength Steel SWL Safe Working Load
 Finish HDG UML/T Ultimate Mechanical Load in Tension (lbs)

Dog Bone Recess Former

Recess Former for use with PROLIFT Dog Bone Anchors.

Item #	Size (T)	Material	Weight (lbs)	Color
PROLIFT Dogbone Recess Former				
PLDBRM1T	1T	Rubber	.14	Blue
PLDBRM2T	2T	Rubber	.26	Yellow
PLDBRM4T	4T	Rubber	.55	Orange
PLDBRM8T	8T	Rubber	1.1	Green
PLDBRM20T	20T	Rubber	2.22	Black



PLDBRM4T

Lifting Eye



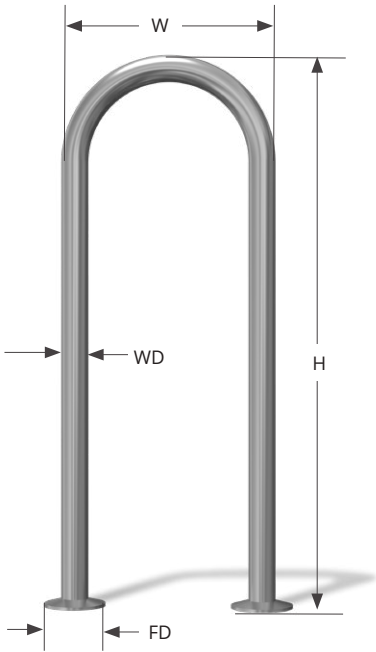
PLLE4T

Item #	Size (T)	Weight (lbs)	SLL	Safety Factor	UML/T
Lifting Eye					
PLLE1T	1T	2.11	2600	5:1	13000
PLLE2T	2T	3.76	5000	5:1	25000
PLLE4T	4T	8.34	10000	5:1	50000
PLLE8T	8T	20.53	20000	5:1	100000
PLLE20T	20T	41.18	40000	5:1	200000

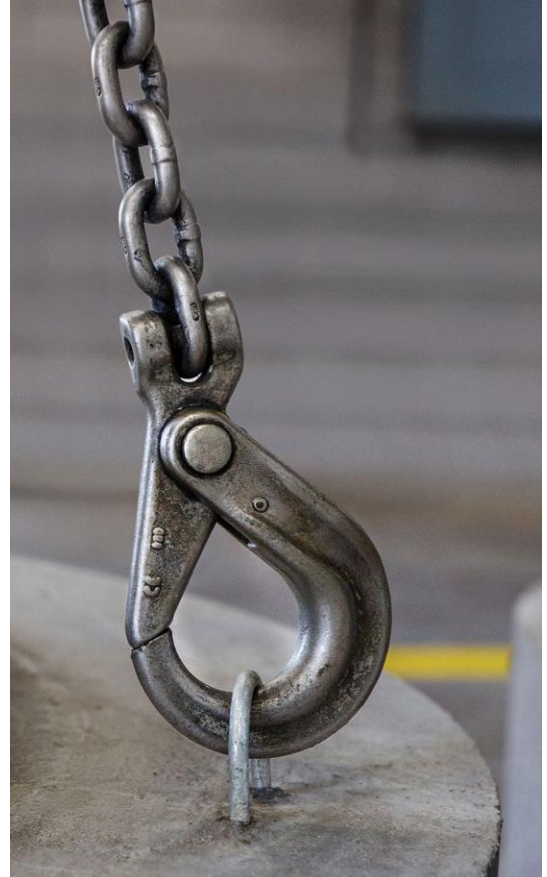
SLL Safe Lifting Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

The Lifting Eye is a high strength steel lifting accessory for use with Dog Bone anchors. The Lifting Eye consists of a lifting body and a high strength bail which connects to the Dog Bone anchor. A key feature is the quick connect bail that can rotate freely through 180° degrees under load. Additionally, the spherical head, or lifting eye, has the ability to rotate 360° degrees while under load.

Inspection and maintenance of the Lifting Eye is recommended before each use. The Lifting Eye may experience excessive wear, unexpected damage, bending, twisting, misuse, or overloading during its usable lifetime which can reduce the lifting eye's rating load. Any evidence of wear that exceeds the degree of wear based on its age and typical use suggests that the lifting eye be replaced. Lifting eyes should be used with anchors from the same manufacturer.



PLGP7169G



General Purpose Anchor

The General Purpose Anchor is a simply designed anchor for use in recessed or protruding applications.

Item #	WD	H	FD	W	Weight (lbs)	SWL	Safety Factor	UML/T
General Purpose Anchor								
PLGP146G	1/4	6	1/2	2 5/8	.17	1600	4:1	6400
PLGP516612G	5/16	6 1/2	1/2	2 5/8	.34	3200	4:1	12800
PLGP387G	3/8	7	1	2 3/4	.55	4690	4:1	18760
PLGP71611G	7/16	11	1	3 1/2	1.23	7500	4:1	30000
PLGP7169G	7/16	9	1	3 1/2	1.06	7500	4:1	30000
PLGP581612G	5/8	16 1/2		12	3.42			

Material High Strength Steel
 Finish HDG

SWL Safe Working Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

General Purpose Recess Former

Recess Former for use with PROLIFT General Purpose Anchors.

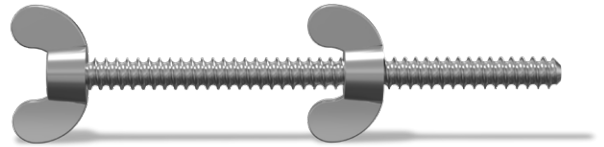


PLGPRM716

Item #	Size	Material	Weight (lbs)	Color
PROLIFT General Purpose Recess Former				
PLGPRM38	3/8	Rubber	2.56	Red
PLGPRM716	7/16	Rubber	3.16	Green

Holding Bolt

Holding bolt to quickly and firmly attach Erection Anchor Recess Former through formwork.



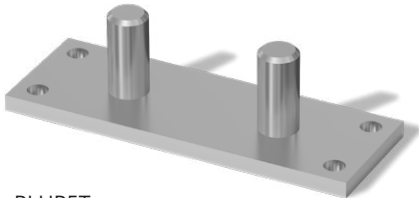
PLHB386

Item #	Size	Length	Weight (lbs)
Holding Bolt			
PLHB386	3/8	6	.40

Finish Zinc Plated

Holding Plate

Holding Plate to quickly and firmly attach Erection Anchor Recess Member to formwork.



PLHP5T

Item #	Size (T)	Recess Former	Weight (lbs)
Holding Plate			
PLHP2T	1T, 2T	PLRM1, PLRM2	.13
PLHP5T	4T, 6T	PLRM46	.21
PLHP10T	8T, 10T	PLRM811	.69

Finish Zinc Plated

Stud Plate with Wing Nut

The Stud Plate with Wing Nut is used to quickly and firmly attach a Dog Bone Recess Former to formwork.



PLDBSP4T

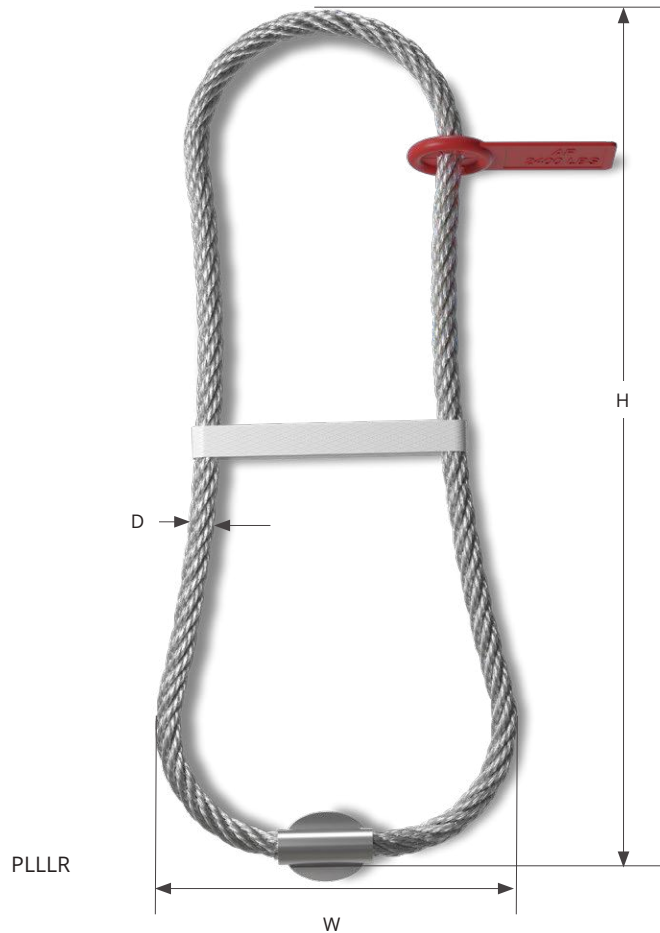
Item #	Size (T)	Recess Former	Weight (lbs)
Stud Plate with Wing Nut			
PLDBSP1T	1T	PLDBRM1T	.08
PLDBSP2T	2T	PLDBRM2T	.21
PLDBSP4T	4T	PLDBRM4T	.26
PLDBSP8T	8T	PLDBRM8T	.29
PLDBSP20T	20T	PLDBRM20T	.74

Finish Zinc Plated

Lifting Loop

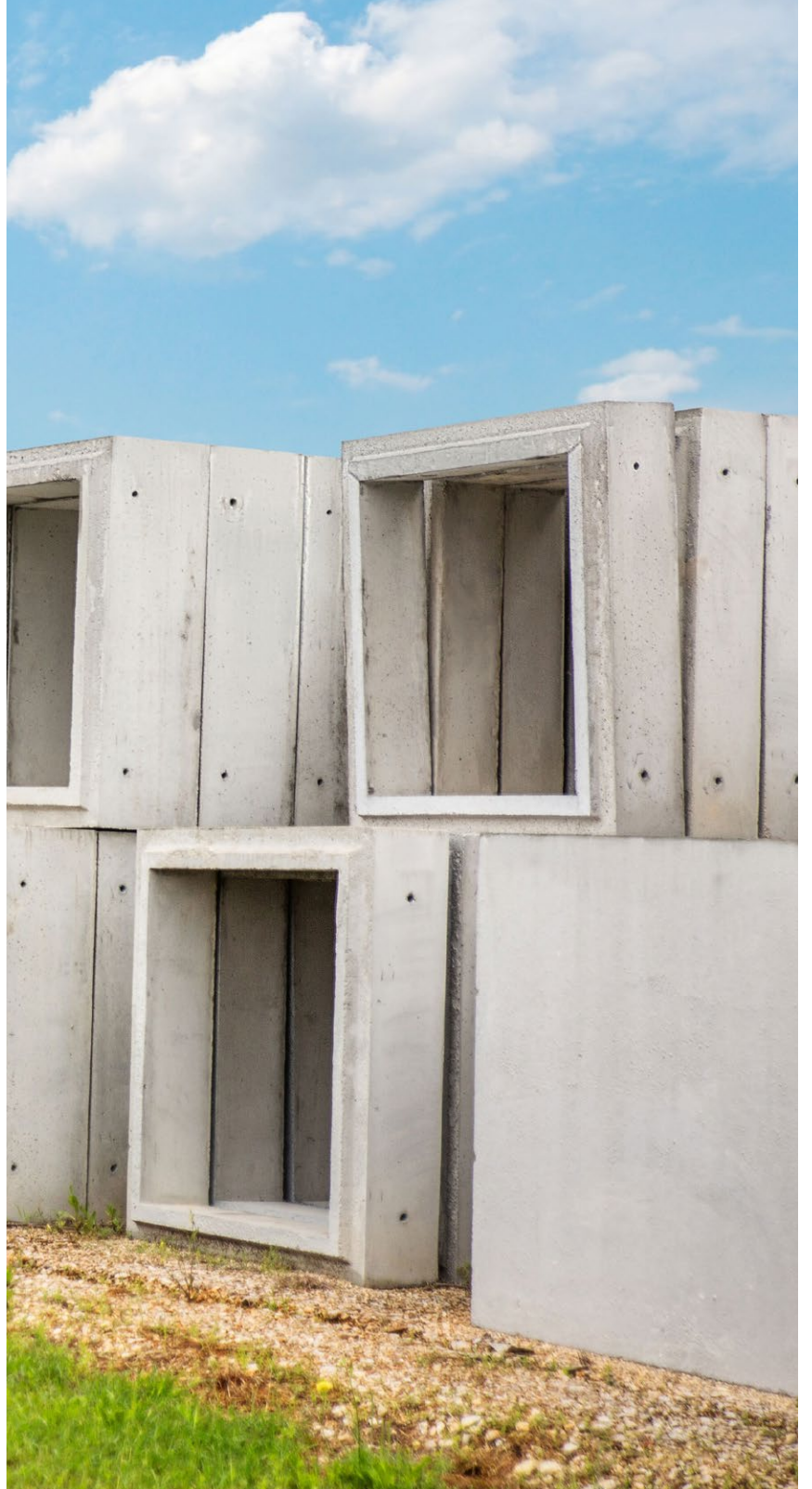
The Lifting Loop is an economical solution for the lifting and handling of various concrete products. The Lifting Loop is installed with 2/3 of its length embedded into the concrete, with the remainder accessible for lifting. The lifter does not require any special hardware or recess members which makes it economical and a universal solution. The Lifting Loop should be used with a standard hook or clevis with a minimum diameter of twice the loop's diameter.

Each loop is color coded based on its maximum safe working load. This allows for quick identification during production, but also in the field when elements are moved around and placed. The loop is galvanized to resist corrosion or rusting when exposed to the elements which allows for the loop to be left as is or be cut off after final placement of the element.



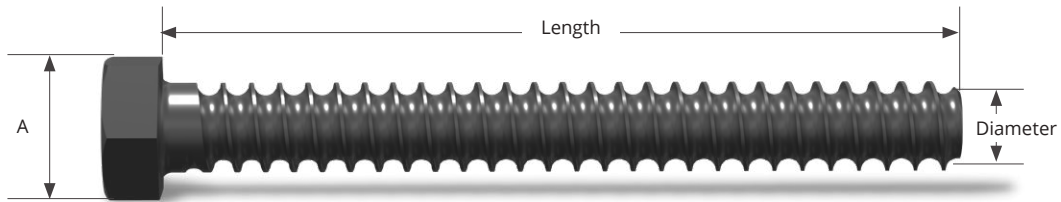
Item #	Color	Size (T)	W	H	D	Weight (lbs)	SWL	Safety Factor	UML/T
Lifting Loops									
PLLLB	Blue	.25T	3 9/16	8 3/16	1/8	.06	500	4:1	2000
PLLLW	White	.8T	3 3/8	7 7/8	1/4	.21	1600	4:1	6400
PLLLR	Red	1.2T	4 1/4	8 7/8	9/32	.28	2400	4:1	9600
PLLLP	Purple	1.6T	3 15/16	9 5/8	5/16	.36	3200	4:1	12800
PLLLG	Light Green	2T	4 15/16	10 7/16	11/32	.56	4000	4:1	16000
PLLLC	Charcoal	2.5T	5 1/2	12 1/8	3/8	.74	5000	4:1	20000
PLLLDG	Dark Green	3.3T	6 3/8	13 3/8	15/32	1.19	6600	4:1	26400

SWL Safe Working Load
 UML/T Ultimate Mechanical Load in Tension (lbs)



Coil Bolt

Coil Bolts have self-cleaning threads designed to match Coil Threaded Inserts, Coil Nuts, and to be used in associative applications. Coil Bolts can be reused but will wear and should be maintained and inspected in-between and before uses to ensure safety.



CB12412P

Item #	Diameter	Length	Finish	A	TPI	Weight (lbs)	SWL	Safety Factor	UML/T
1/2" Coil Bolt									
CB12112P	1/2	1 1/2	Plain	3/4	6	.11	1650	5:1	8250
CB122P	1/2	2	Plain	3/4	6	.13	1650	5:1	8250
CB12212P	1/2	2 1/2	Plain	3/4	6	.15	1650	5:1	8250
CB123P	1/2	3	Plain	3/4	6	.17	1650	5:1	8250
CB12312P	1/2	3 1/2	Plain	3/4	6	.19	1650	5:1	8250
CB124P	1/2	4	Plain	3/4	6	.22	1650	5:1	8250
CB12412P	1/2	4 1/2	Plain	3/4	6	.24	1650	5:1	8250
CB125P	1/2	5	Plain	3/4	6	.35	1650	5:1	8250
CB126P	1/2	6	Plain	3/4	6	.30	1650	5:1	8250
3/4" Coil Bolt									
CB342P	3/4	2	Plain	1 1/8	4.5	.33	3600	5:1	18000
CB34212P	3/4	2 1/2	Plain	1 1/8	4.5	.39	3600	5:1	18000
CB343P	3/4	3	Plain	1 1/8	4.5	.43	3600	5:1	18000
CB344P	3/4	4	Plain	1 1/8	4.5	.53	3600	5:1	18000
CB346P	3/4	6	Plain	1 1/8	4.5	.73	3600	5:1	18000
1" Coil Bolt									
CB14P	1	4	Plain	1 1/2	3.5	1.00	7200	5:1	36000
CB16P	1	6	Plain	1 1/2	3.5	1.36	7200	5:1	36000

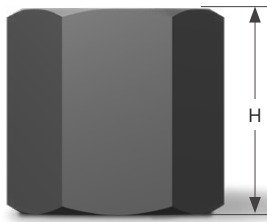
Material High Strength Steel

SWL Safe Working Load

UML/T Ultimate Mechanical Load in Tension (lbs)

Coil Nut

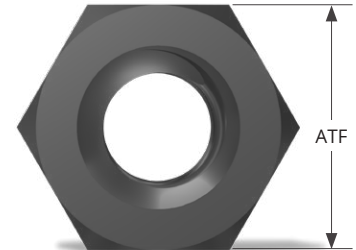
Coil Nuts are designed to be used with Amifast Coil Bolts. To achieve the listed safe working load, two (2) Coil Nuts should be locked tightly together. If using the High Coil Nut, only one (1) Coil Nut will be needed to achieve the listed safe working load.



CN12H



CN12P



CN12P

Item #	Diameter	Height	Finish	ATF	TPI	Weight (lbs)	SWL	Safety Factor	UML/T
Standard Coil Nut									
CN12P	1/2	4/9	Plain	7/8	6	.06	1800	5:1	9000
CN34FIN	3/4	5/8	Plain	1 1/8	4.5	.18	3600	5:1	18000
CN34P	3/4	5/8	Plain	1 1/4	4.5	.18	3600	5:1	18000
CN1P	1	1	Plain	1 5/8	3.5	.42	7200	5:1	36000
CN114P	1 1/4	1 1/4	Plain	2	3.5	.76	10800	5:1	54000
CN112P	1 1/2	1 1/2	Plain	2 3/8	3.5	1.26	16200	5:1	81000
High Coil Nut									
CN12H	1/2	1 3/16	Plain	7/8	6	.30	3600	5:1	18000
CN34HFIN	3/4	1 3/16	ZP	1 1/8	4.5	.28	7200	5:1	36000
CN34H	3/4	1 3/16	Plain	1 1/4	4.5	.32	7200	5:1	36000
CN1H	1	2	Plain	1 5/8	3.5	.68	15000	5:1	75000

ZP Zinc Plated
 ATF Across The Flats
 TPI Threads Per Inch

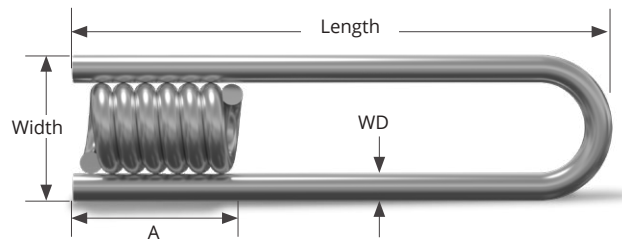
SWL Safe Working Load
 UML/T Ultimate Mechanical Load in Tension (lbs)



Coil Loop Insert

Coil Loop Inserts are designed for both bolted connections and lifting and handling of precast elements. The similar “Flared Loop Coil Insert” is also designed for lifting as it offers higher safe working loads.

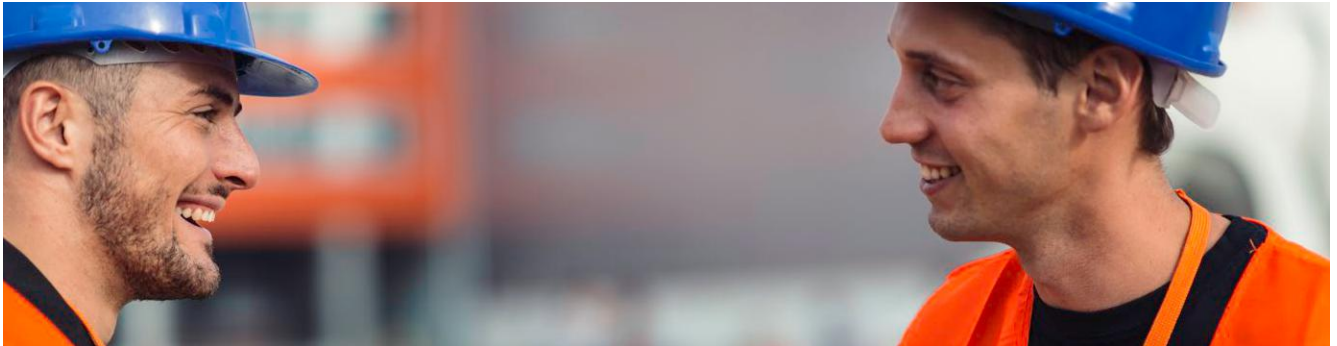
Proper installation requires the insert to be cast perpendicular to the face of the element, with the opening to the threads level to the face of the element. Any misalignment of the insert will result in a reduction of safe working load capacity.



CI346SL

Item #	Thread Size	Length	Finish	WD	A	Width	TPI	Weight (lbs)	SWL	Safety Factor	UML/T
Coil Loop Insert											
CI124SL	1/2	4	ZP	.223	1 3/16	1 1/4	6	.19	2250	4:1	9000
CI126SL	1/2	6	ZP	.306	1 3/8	1 1/4	6	.38	3600	4:1	14400
CI344SL	3/4	4	ZP	.223	1 11/16	1 5/8	4.5	.31	2250	4:1	9000
CI344SLSS	3/4	4	SS	.223	1 11/16	1 5/8	4.5	.31	2250	4:1	9000
CI346SL	3/4	6	ZP	.306	1 7/8	1 5/8	4.5	0.5	3750	4:1	15000
CI15SL	1	5	ZP	.375	2 7/16	2 1/4	3.5	.81	3600	4:1	14400

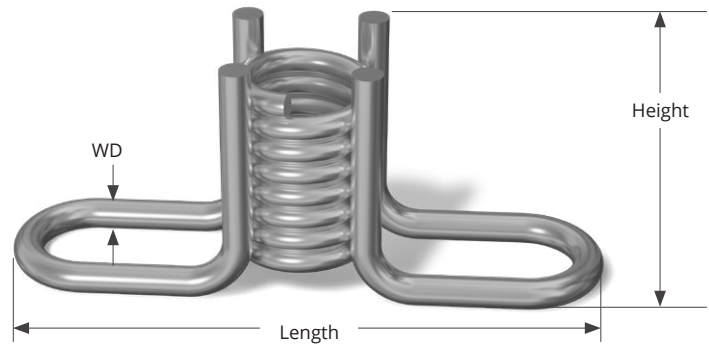
ZP Zinc Plated WD Wire Diameter SWL Safe Working Load
 SS Stainless Steel TPI Threads Per Inch UML/T Ultimate Mechanical Load in Tension (lbs)



Flared Coil Loop Insert

Flared Coil Loop Inserts are designed as primary lifting inserts. The flared loops on either side reduce the depth of embedment, reducing the concern of interference with rebar reinforcing running near the edge of the element. These inserts perform under both tensile and shear loading.

Proper installation requires the insert to be cast perpendicular to the face of the element, with the opening to the threads level to the face of the element. Any misalignment of the insert will result in a reduction of safe working load capacity.



CI1212CW

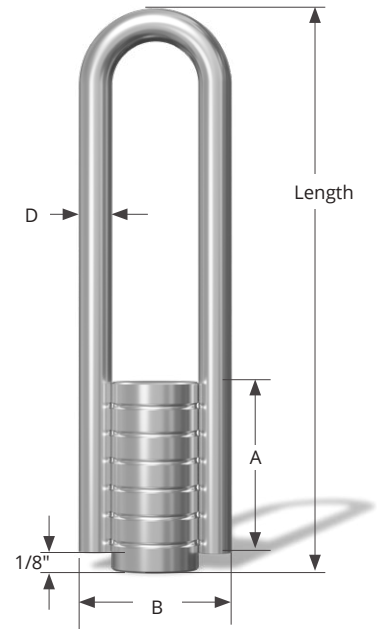
Item #	Thread Size	Height	Length	Finish	WD	TPI	Weight (lbs)	SWL	Safety Factor	UML/T
Flared Coil Loop Insert										
CI12134CW	1/2	1 3/4	4	ZP	.223	6	.21	950	4:1	3800
CI342516CW	3/4	2 5/16	5 1/4	ZP	.306	4.5	.57	2000	4:1	8000
CI34312CW	3/4	3 1/2	6	ZP	.306	4.5	.67	3400	4:1	13600
CI1212CW	1	2 1/2	6	ZP	.306	3.5	.82	1950	4:1	7800
CI1412CW	1	4 1/2	6	ZP	.306	3.5	1.00	4000	4:1	16000
Coil Spider Insert										
CI343TS	3/4	3	7 1/8	ZP	.306	4.5	.66	2000	4:1	8000
CI14TS	1	4	9 3/8	ZP	.306	3.5	1.37	3000	4:1	12000

ZP Zinc Plated
 WD Wire Diameter
 TPI Threads Per Inch
 SWL Safe Working Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

Straight Ferrule Loop Insert

The Straight Ferrule Loop Insert is tapped to accept an NC threaded bolt, providing for fixation to concrete elements.

Proper installation requires the insert to be cast perpendicular to the face of the element, with the opening to the threads level to the face of the element. Any misalignment of the insert will result in a reduction of safe working load capacity.



FI12418SLZ

Item #	Thread Size	Length	Finish	A	B	D	TPI	SWL	Safety Factor	UML/T	Weight (lbs)
Straight Ferrule Loop Insert - Zinc Plated											
FI12418SLZ	1/2	4 1/8	ZP	1 3/8	1 1/8	.223	13	3000	3:1	9000	0.216
FI12618SLZ	1/2	6 1/8	ZP	1 3/8	1 1/4	.306	13	5000	3:1	15000	0.405
FI58SLZ	5/8	2 1/2	ZP	1 5/8	1 1/2	.306	11				0.244
FI58618SLZ	5/8	6 1/8	ZP	1 5/8	1 5/8	.306	11	5000	3:1	15000	.48
FI34418SLZ	3/4	4 1/8	ZP	1 5/8	1 3/8	.223	10	3000	3:1	9000	0.286
FI34618SLZ	3/4	6 1/8	ZP	1 5/8	1 3/4	.306	10	5000	3:1	15000	0.487
Straight Ferrule Loop Insert - Stainless Steel											
FI12418SLSS	1/2	4 1/8	SS	1 3/8	1 1/8	.223	13	3000	3:1	9000	0.216
FI12618SLSS	1/2	6 1/8	SS	1 3/8	1 1/4	.306	13	5000	3:1	15000	0.405
FI34418SLSS	3/4	4 1/8	SS	1 5/8	1 3/8	.223	10	3000	3:1	9000	0.286
FI34618SLSS	3/4	6 1/8	SS	1 5/8	1 3/4	.306	10	5000	3:1	15000	0.487

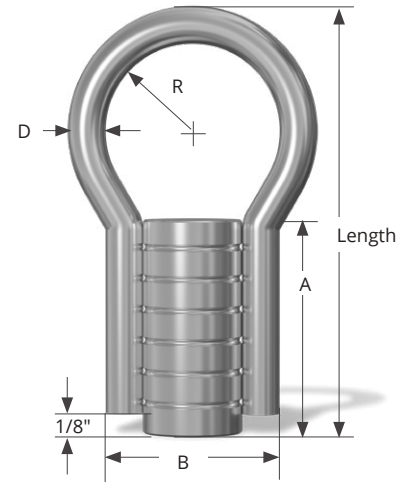
ZP Zinc Plated
 SS Stainless Steel
 TPI Threads Per Inch

SWL Safe Working Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

Ferrule Loop Insert

The Ferrule Loop Insert is tapped to accept an NC threaded bolt, providing for fixation to concrete elements.

Proper installation requires the insert to be cast perpendicular to the face of the element, with the opening to the threads level to the face of the element. Any misalignment of the insert will result in a reduction of safe working load capacity.



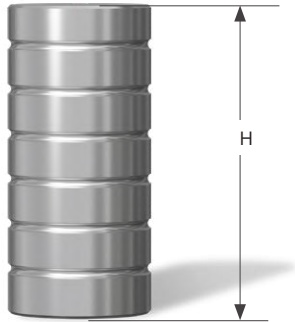
FI12LZ

Item #	Thread Size	Length	Finish	A	B	D	R	TPI	SWL	Safety Factor	UML/T	Weight (lbs)
Ferrule Loop Insert - Zinc Plated												
FI14LZ	1/4	2 3/4	ZP	1 1/4	1	.243	9/16	20	2000	3:1	6000	.14
FI38LZ	3/8	2 3/4	ZP	1 1/4	1	.243	9/16	16	2000	3:1	6000	.13
FI38LP	3/8	2 3/4	Plain	1 1/4	1	.243	9/16	16	2000	3:1	6000	.13
FI12LZ	1/2	2 3/4	ZP	1 3/8	1 1/8	.243	9/16	13	2000	3:1	6000	.18
FI58LZ	5/8	3 1/2	ZP	1 5/8	1 3/8	.262	13/16	11	2300	3:1	6900	.28
FI34LZ	3/4	3 1/2	ZP	1 5/8	1 4/7	.262	13/16	10	2500	3:1	7500	.31
FI78LZ	7/8	6	ZP	1 5/8	1 3/8	.375	1 3/8	9	5300	3:1	15900	.74
FI1LZ	1	6	ZP	1 5/8	1 3/8	.375	1 3/8	8	5300	3:1	15900	.75
Ferrule Loop Insert - Stainless Steel												
FI14LZSS	1/4	2 3/4	SS	1 1/4	1	.223	5/8	20				.14
FI38LSS	3/8	2 3/4	SS	1 1/4	1	.306	5/8	16	2000	3:1	6000	.13
FI12LSS	1/2	2 3/4	SS	1 3/8	1 1/8	.223	5/8	13	2000	3:1	6000	.18
FI34LSS	3/4	3 1/2	SS	1 5/8	1 5/8	.306	7/8	10	2500	3:1	7500	.31

ZP Zinc Plated
 SS Stainless Steel
 TPI Threads Per Inch
 R Bulb Radius

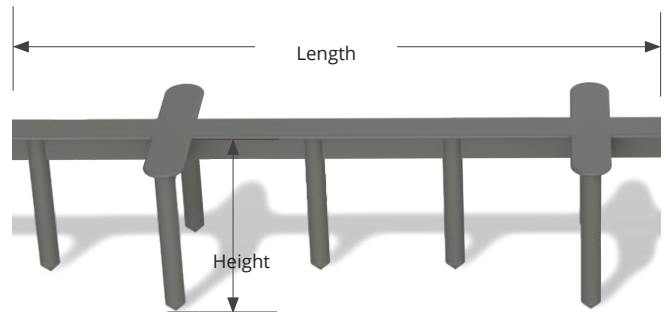
SWL Safe Working Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

Ferrule Only



FL12Z

Slab Bolster

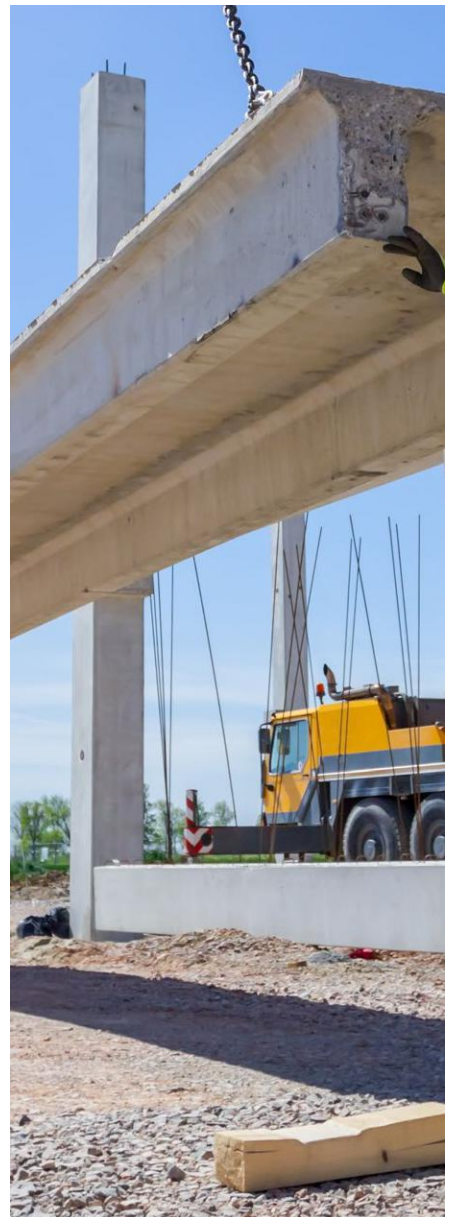
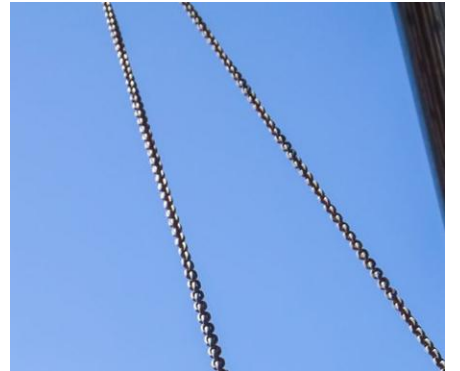


SB112

Item #	Thread Size	H	Finish	TPI	Weight (lbs)
Ferrule Only					
F14Z	1/4	1 1/4	ZP	20	.07
F14SS	1/4	1 1/4	SS	20	.07
F38Z	3/8	1 1/4	ZP	16	.05
F38SS	3/8	1 1/4	SS	16	.05
F38P	3/8	1 1/4	Plain	16	.05
F12Z	1/2	1 3/8	ZP	13	.11
F12SS	1/2	1 3/8	SS	13	.11
F58Z	5/8	1 5/8	ZP	11	.15
F34Z	3/4	1 5/8	ZP	10	.17
F34P	3/4	1 5/8	Plain	10	.19
F78Z	7/8	1 5/8	ZP	9	.35
F1Z	1	1 5/8	ZP	8	.38

ZP Zinc Plated
 SS Stainless Steel
 TPI Threads Per Inch

Item #	Height	Length	Material
Slab Bolster			
SB34	3/4	30"	Plastic
SB1	1	30"	Plastic
SB112	1 1/2	30"	Plastic
SB134	1 3/4	30"	Plastic
SB2	2	30"	Plastic
SB212	2 1/2	30"	Plastic
SB3	3	30"	Plastic



Concrete Insert Zinc

Precast Concrete Inserts are a Zinc Alloy cast in place insert for use in common attachment applications in precast elements. The insert accepts a UNC threaded bolt, or otherwise as noted. The Precast Concrete Insert is suitable for attachment applications but is not recommended for lifting or handling applications.

Proper installation requires the insert to be cast perpendicular to the face of the element, with the opening to the threads level to the face of the element. Any misalignment of the insert will result in a reduction of safe working load capacity.



PCI12112

Adapter Plug Zinc



ZAP12

Item #	Thread Size	Height	Material	Description	TPI	Weight (lbs)	SWL	Safety Factor	UML/T
Zinc Concrete Insert									
PCI10241116	10-24	1 1/16	Zinc Diecast		24	.01			
PCI14112	1/4	1 1/2	Zinc Diecast		20	.05	575	3:1	1725
PCI381	3/8	1	Zinc Diecast		16	.05	1025	3:1	3075
PCI381OB	3/8	1	Zinc Diecast	Open-Bottom	16	.05	1025	3:1	3075
PCI38138	3/8	1 3/8	Zinc Diecast		16	.07	1200	3:1	3600
PCI38138OB	3/8	1 3/8	Zinc Diecast	Open-Bottom	16	.06	1200	3:1	3600
PCI12112	1/2	1 1/2	Zinc Diecast		13	.12	1225	3:1	3675
PCI12112OB	1/2	1 1/2	Zinc Diecast	Open-Bottom	13	.12	1225	3:1	3675
PCI12278	1/2	2 7/8	Zinc Diecast		13	.28	2025	3:1	6075
PCI5811116	5/8	1 11/16	Zinc Diecast		11	.19	1575	3:1	4725
PCI58278	5/8	2 7/8	Zinc Diecast		11	.34	2500	3:1	7500
PCI3411116	3/4	1 11/16	Zinc Diecast		10	0.22	1725	3:1	5175
PCI34278	3/4	2 7/8	Zinc Diecast		10	.32	3125	3:1	9375
PCI12HOL	1/2	2 3/8	Zinc Diecast	Holz Insert	13	.16			

SWL Safe Working Load TPI Threads Per Inch
 UML/T Ultimate Mechanical Load in Tension (lbs)

Item #	Thread Size	TPI	Material
Zinc Adapter Plug			
ZAP38	3/8	20	Zinc
ZAP12	1/2	20	Zinc
ZAP58	5/8	16	Zinc
ZAP34	3/4	16	Zinc

TPI Threads Per Inch

Concrete Insert Plastic

Precast Concrete Inserts are a Plastic cast in place insert for use in common attachment applications in precast elements. The insert accepts a UNC threaded bolt. The Precast Concrete Insert is suitable for attachment applications but is not recommended for lifting or handling applications.

Proper installation requires the insert to be cast perpendicular to the face of the element, with the opening to the threads level to the face of the element. Any misalignment of the insert will result in a reduction of safe working load capacity.



PCI12134PLA

Adapter Plug Plastic



PAP12

Item #	Thread Size	Height	Material	Description	TPI	Weight (lbs)	SWL	Safety Factor	UML/T
Plastic Concrete Insert									
PCI1434PLA	1/4	3/4	Plastic		20				
PCI14112PLA	1/4	1 1/2	Plastic		20				
PCI38112PLA	3/8	1 1/2	Plastic		16		600	3:1	1800
PCI38112PLAPT	3/8	1 1/2	Plastic	Partial Thread	16		600	3:1	1800
PCI12134PLA	1/2	1 3/4	Plastic		13	.04	1100	3:1	3300
PCI12234PLA	1/2	2 3/4	Plastic		13	.06	1880	3:1	5640
PCI583PLA	5/8	3	Plastic		11	.08	2250	3:1	6750
PCI34314PLA	3/4	3 1/4	Plastic		10	.09	2800	3:1	8400

SWL Safe Working Load
 UML/T Ultimate Mechanical Load in Tension (lbs)

TPI Threads Per Inch

Item #	Thread Size	TPI	Material
Plastic Adapter Plug			
PAP14	1/4	20	Plastic
PAP38	3/8	16	Plastic
PAP12	1/2	13	Plastic
PAP58	5/8	11	Plastic
PAP34	3/4	10	Plastic
PAP78	7/8	9	Plastic
PAP1	1	8	Plastic

TPI Threads Per Inch

Safety

The information and products discussed in this catalog are intended to be used by trained professionals. It is important to understand the technical information and intended uses of each product before use to avoid serious injury.

Please contact Amifast Technical Service or a licensed engineer if you are uncertain of any technical information, appropriate applications, rigging, or otherwise before attempting to utilize a product.

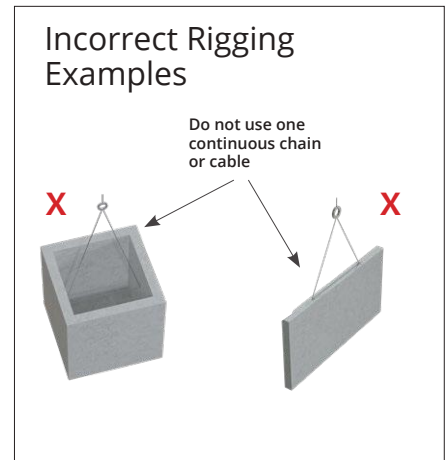
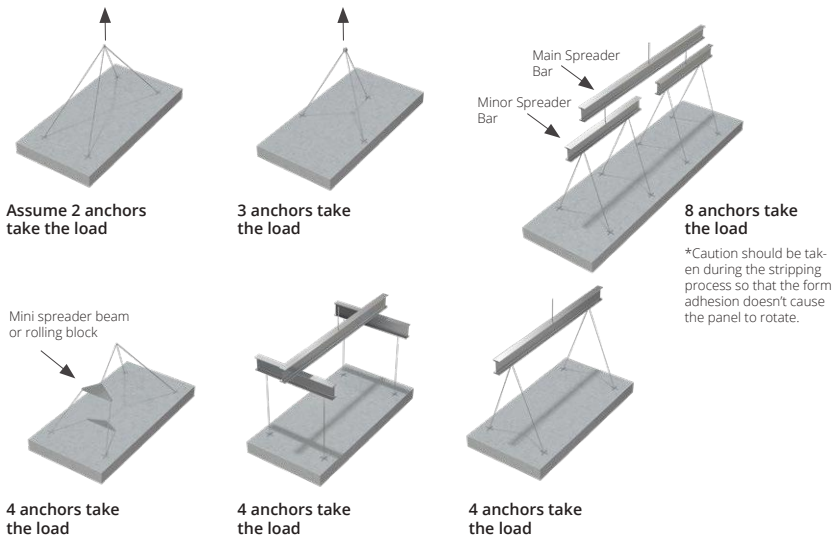
Disclaimers:

- The products and information within this catalog are subject to change under Amifast's own discretion. Notice or warning of changes may not be made to prospective users.
- Modification of the products within this catalog is strongly discouraged and any such products appearing to have been modified should be discarded. This includes bending, cutting, welding, etc. If considering modification of a product, please contact Amifast Technical Service to determine the effectiveness and safety.
- Anchor load capacity and application should be carefully considered prior to use. The safe performance of inserts relies on many factors that can vary from application to application. If in need of assistance determining the appropriate insert for an application, please contact Amifast Technical Service.

Rigging Information

In addition to selecting the appropriate lifter for an application, the rigging arrangement plays a crucial role in safe lifting. It may not be possible to accurately determine each load due to sling lengths, angles, and locations, however, utilizing specific rigging arrangements and/or equalizer beams it is possible to eliminate this problem and engage each desired lifter equally.

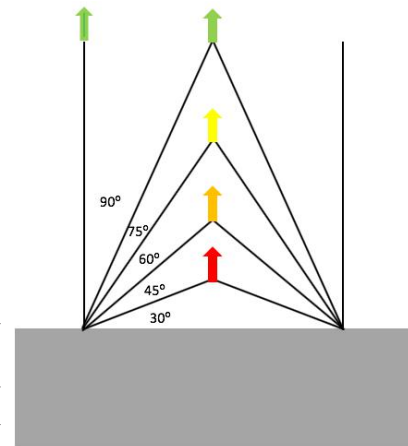
The rigging arrangements below show a variety of scenarios of lifting with sling angles and equalizer beams. One of the most important aspects of lifting an object safely is to ensure the objects center of gravity remains directly below the main cable from the crane or otherwise. Failure to maintain the center of lift directly above the center of gravity will result in tilting and unsafe lifting of the precast element.



Load Factor

If planning a lift utilizing inclined angles, use the table below to determine the appropriate load factor required to be applied to the load. As you will see, the angle can cause an increase in the load applied to the anchor.

Sling Angle (From Horizontal)	90°	75°	60°	45°	30°
Load Factor	1.00	1.04	1.16	1.42	2.00



Example

Utilize a 60° lifting angle

Load = 6000lbs * 1.16 = 6,960lbs Application Specific Design Load

In addition to accounting for the dead weight of the Precast Element, keep in mind the adhesive effects of the concrete and formwork. If utilizing a lift to strip the element from the formwork, utilize the following values to calculate the additional load when choosing a lifter and rigging arrangement.

Concrete Forms – 20 lbs/ft²
Steel Forms – 25 lbs/ft²

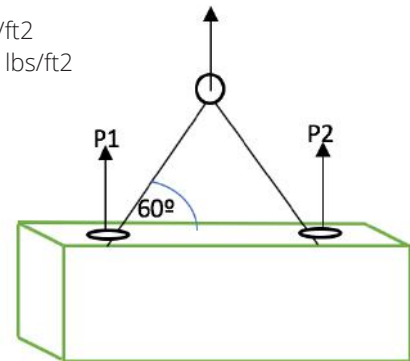
Plywood Forms (Smooth Surface) – 50 lbs/ft²
Plywood Forms (Roughened Surface) – 75 lbs/ft²

Calculating a lift – Dual Inclined Slings

Dead weight of Precast Element = 5000 lbs
Form Adhesion = 500 lbs
Combined Load = 5,500 lbs

P1 = 5500lbs/2 Anchors * 1.16 = 3,190lbs

P2 = 5500lbs/2 Anchors * 1.16 = 3,190lbs



An appropriate lifter for this application would be the PLDB2T434G 2 Ton x 4 3/4" Dog Bone Anchor rated at 4,000lbs safe working load, assuming adequate edge distance and concrete strength.

AF AMIFAST

PRO LIFT

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