



COMPANY PROFILE



GPBS

GLOBAL PRECAST BUILDING SOLUTIONS, INC.



ABOUT US

**We are a total concrete solutions provider.
When you say Total Concrete that is Precast, Prestressed and
Cast-in-situ.**

- GPBS was established in 2018 to introduce Japanese and American seismic resilient construction methods and accessories togetherwith US-construction standards for precast and Cast-In-Place in the Philippine construction and infrastructure industry.
- As a single-source precast solutions company,GPBS presents its strategic partner,CEG, the global leader in precast structural design and engineering consultancy. To fulfill its solutions offering, GPBS supplies the effective precastaccessories and providesvaluable field services.
- GPBS is here to make a positive and lasting impact to the new normal of Build Build Build for Philippine progress and development.





MISSION

To provide the total solution to Philippine contractors and precasters with innovative precast structural design and engineering, precast detailing, and world-class seismic resistant precast hardware and services.





VISION

**We are catalysts of industrialization in
the Philippine construction and
infrastructure sector.**



BOARD OF DIRECTORS



Dr. Larbi Sennour

**A Fellow of PCI & ACI. Member of ACI 314, 533, 413 and a
Past Chair of ACI 550 - Precast Structures Committee.**

President & CEO of CEG- International



Shigetaka Kumagai

President of Splice Sleeve - Japan



Tomiro Kaya

Honorary Advisor of Splice Sleeve Japan Ltd.

TEAM GPBS

The current heart and soul of the GPBS management team.



Dr. Larbi Sennour
President



Shigetaka Kumagai
Chairman



Tomiro Kaya
Member of the Board



Engr. Kyla Austria
Procurement Engineer



Jayson Landicho
VP - Operations



Ma. Jhosper Magtangob
Office Manager / Accountant



Lynsam Bautista
Grouting Manager

GROUTING SUPERVISORS

Presenting the current Grouting Supervisors comprising the esteemed GPBS team.



Lynsam Bautista

Grouting Manager



Christopher Bernal

Grouting Supervisor



Angelyn Quenca

Grouting Supervisor



Joshua Morino

Grouting Supervisor



Jacob Israel

Grouting Supervisor



Trixie Anne Reonal

Grouting Supervisor

OUR PRODUCT LINE

Presenting a variety of relevant products curated for your next construction project in the Philippines.



NMB Splice Sleeve

Full-Grout Mechanical Coupler for Precast concrete and Cast-In-Place Construction. Proven and tested on seismic resistance. Emulates CIP's homogenous connection of rebar connector and rebar splice



ALP Supply Lifting Systems

ALP is a single source supplier of precast accessories in the US. Offers a wide variety of lifters and accessories suitable for all your precast needs.



Japan Life Accessories

Japan Life's carefully selected products for every construction project prides on its "JL Effect": strong both vertically and horizontally.



NMB SPLICE SLEEVE SYTEM

(TYPE 2 – GROUTED MECHANICAL COUPLER)

The First and only SA Class grouted mechanical coupler approved by the Building Center of Japan. SA Class exceeds the US Type 2 requirements for mechanical couplers while Class A is almost equivalent to Type 2.

- **The Splice Sleeve System**

The Splice Sleeve System can connect from 10mm to 51mm diameter reinforcing bars. It can be used for both Horizontal and Vertical connections for CIP and Precast.

- **High Strength Grout / SS Mortar**

Splice Sleeve couplers are filled with special non-shrink, high strength grout – SS Mortar.

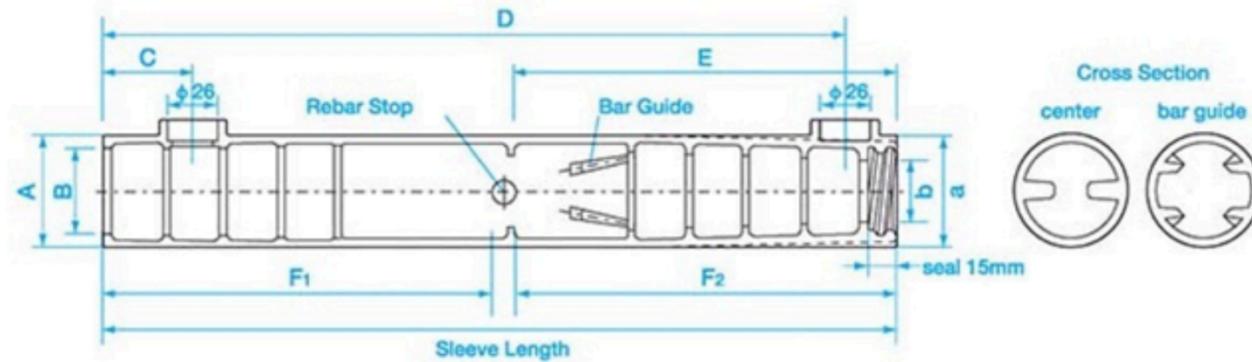


Consistency (Flow Table)	Curing Temp	Compressive Strength (N/mm2)					
		12 hours	18 hours	1 day	3 day	7 day	28 day
180mm	5 oC	-	4	10.1	42.2	56.5	86.3
	20 oC	5.6	20.2	30.5	55.2	71.1	100
	30 oC	18.5	36	49	68.5	79.1	101





NMB SUPER UX (FOR PRECAST CONSTRUCTION)



Building Application:

- Super High-Rise, High-Rise & Mid-Rise apartment
- Shopping center
- Office building
- Schools
- Sound barrier & Retaining wall
- Concrete box culvert

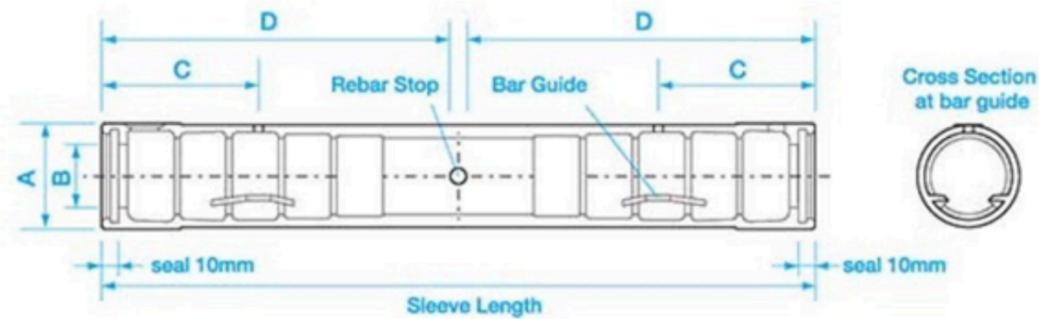
Sleeve	Grade	Rebar Size	Features
Super UX Sleeve	SA Class A Class	D16~D41 SD295A·B~SD490	Accepting mis-aligned rebars
NXII Sleeve	A Class	D16~D22 SD295A·B~SD390	No shrinkage or elongation of sleeves

Sleeve	Rebar Size (JIS)	Sleeve Length (mm)	Sleeve Diameter (mm)			Inlet Position (mm) (C)	Outlet Position (D) (mm)	Rebar Stop (E) (mm)	Rebar Embedment (mm)		Grout Consumption (pcs/15kg bag)
			O.D.(A) ₁ (mm)	I. D.					Wide End (F ₁)	Narrow End (F ₂)	
5UX (SA)	D16	245	45	32	22	47	218	115	90~120	105~115	29
6UX (SA)	D19 * (D16)	285	49	36	25		258	135	110~140	125~135	22
7UX (SA)	D22 * (D16~D19)	325	53	40	29		298	155	130~160	145~155	17
8UX (SA)	D25 * (D19~D22)	370	58	44	31		343	175	150~185	165~175	13
9UX (SA)	D29 * (D22~D25)	415	63	48	35		388	200	175~205	190~200	10
10UX (SA)	D32 * (D25~D29)	455	66	51	39		428	220	195~225	210~220	9
11UX (SA)	D35 * (D29~D32)	495	71	55	44		468	240	215~245	230~240	7
12UX (SA)	D38 * (D32~D35)	535	77	59	47		508	260	235~265	250~260	6
13/14UX (SA)	D41 * (D35~D38)	620	82	62	51		593	300	275~310	290~300	4
5-NXII	D16	220	44	32	22		47	193	105	80~110	95~105
6-NXII	D19 * (D16)	250	48	36	25	223		120	95~125	110~120	27
7-NXII	D22 * (D16~D19)	280	52	40	29	253		135	110~140	125~135	22

* () indicates transition splice



NMB SLIM SLEEVES (FOR CAST IN PLACE CONSTRUCTION)



Building Application

- Rebar cage to rebar cage connection
- Connecting beam reinforcing bar

Sleeve	Grade	Rebar Size	Features
Slim Sleeve	A Class	D16 ~ D51 SD295A·B~SD490	Easy to connect No shrinkage or elongation of sleeves

Sleeve	Rebar Size	Sleeve Length (mm)	Sleeve Diameter (mm)		Set Screw Position (mm)	Rebar Stop (mm)	Rebar Embedment (mm)	Grout Approx. Consumption (pcs / 15kg bag)
			O.D. (mm)	I.D. (mm)				
S5U	D16 (D10-D13)	240	37	22	54	115	105 --- 120	53
S6U	D19 (D13-D16)	270	40	25	54	130	120 --- 135	42
S7U	D22 (D16-D19)	300	44	28	73	145	135 --- 150	34
S8U	D25 (D19-D22)	330	48	31	60	160	150 --- 165	31
S9U	D29 (D22-D25)	370	54	35	90	180	170 --- 185	24
S10U	D32 (D25-D29)	410	59	39	90	200	190 --- 205	18
S11U	D35 (D29-D32)	450	65	43	90	220	210 --- 225	14
S12U	D38 (D32-D35)	490	71	47	90	240	230 --- 245	10
S13U	D41 (D35-D38)	550	76	51	120	270	260 --- 275	8
S16U	D51 (D38-D41)	710	92	62	150	350	340 --- 355	5

* () indicates transition splice

ALP SUPPLY LIFTING SYSTEM

SOME OF THE ALP SUPPLY PRODUCTS ARE CURRENTLY IN LINE ARE:

- **ALP® Lifting Eye**

Designed as an attachment link for lifting and transport of precast concrete units in combination with the ALP® Lifting Pin Anchor System. The Lifting Eye consists of a Lifting Head with a protruding lever arm and a high strength Ball. The Lifting Head has a "T" slot that engages the head of a lifting Pin Anchor. The rotation capabilities allow the lifting eye to stay oriented in the direction of loading without binding up.

- **ALP® Lifting Pin Anchors (including Rubber Recess Members, Stud Plates and Wingnuts)**

Manufactured using high strength steel with forged ends. The head design provides uniform engagement with the Lifting Eye, and the large forged anchor foot is embedded in the concrete to create the lifting capacity. These Lifting Pin Anchors are designed to meet the OSHA requirements of a 4 to 1 Safety Factor. Standard Finish is Hot-Dipped Galvanized.



LIFTING PIN ANCHOR



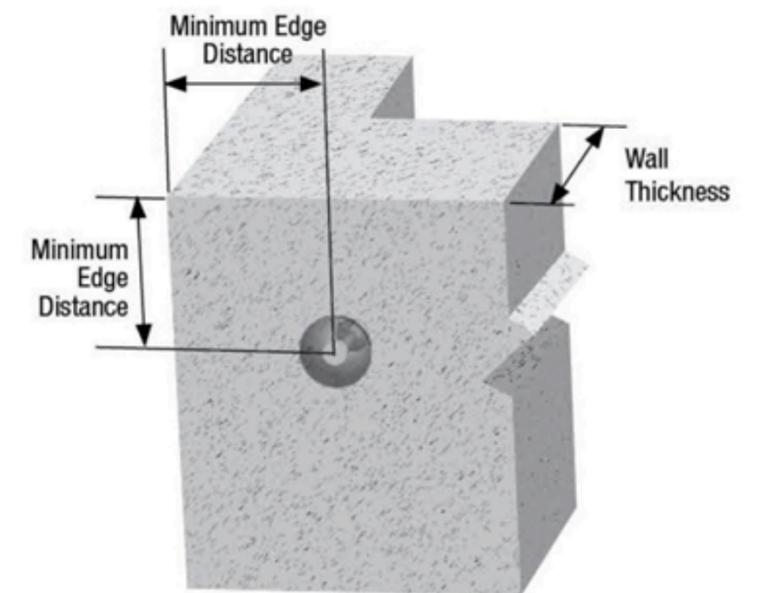
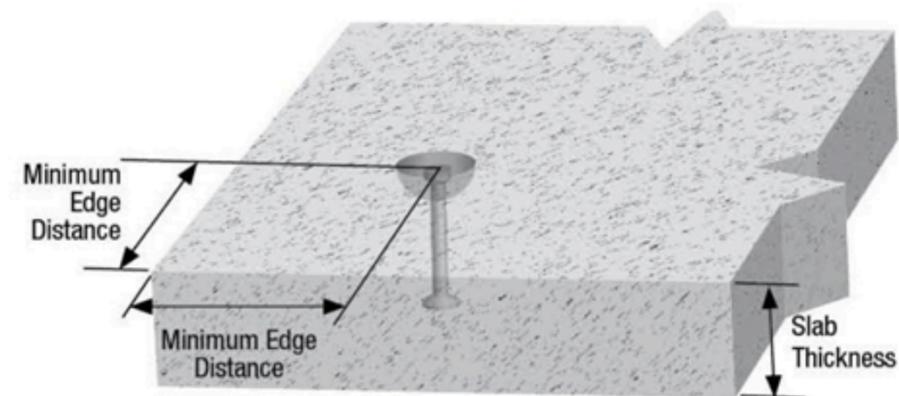
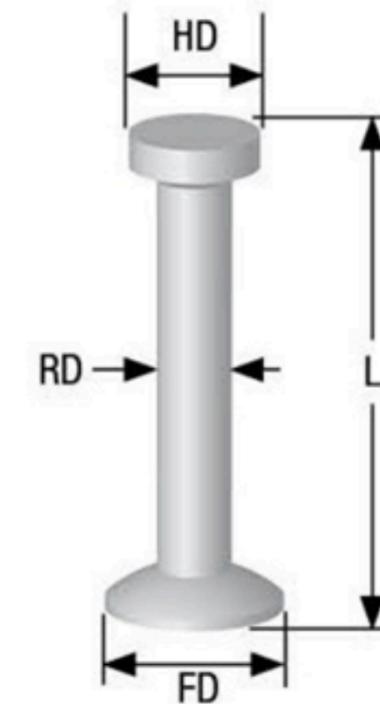
LIFTING PIN ANCHOR - DIMENSIONS AND MECHANICAL CAPACITIES

Ton	L - Length	HD - Head Diameter	RD - Rod Diameter	FD - Foot Diameter	Head Marking	Foot Marking	Anchor Ultimate Mechanical Load in Tension (lbs)
1T	Varies	3/4"	3/8"	1"	1T ALP	Lot #	8,000
2T	Varies	1"	9/16"	1-3/8"	2T ALP		16,000
4T	Varies	1-7/16"	3/4"	2"	4T ALP		32,000
8T	Varies	1-13/16"	1-1/8"	2-3/4"	8T ALP		64,000
20T	Varies	2-3/4"	1-9/16"	3-7/8"	20T ALP		160,000

HEAD MARKING



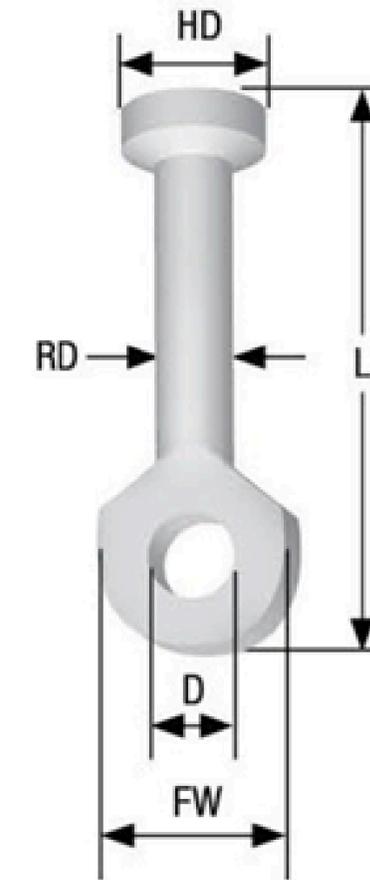
FOOT MARKING



The Lifting Pin Eye Anchor utilizes rebar reinforcement which transfers tension loads deep into the concrete element and produces high safe working loads in thin wall sections.

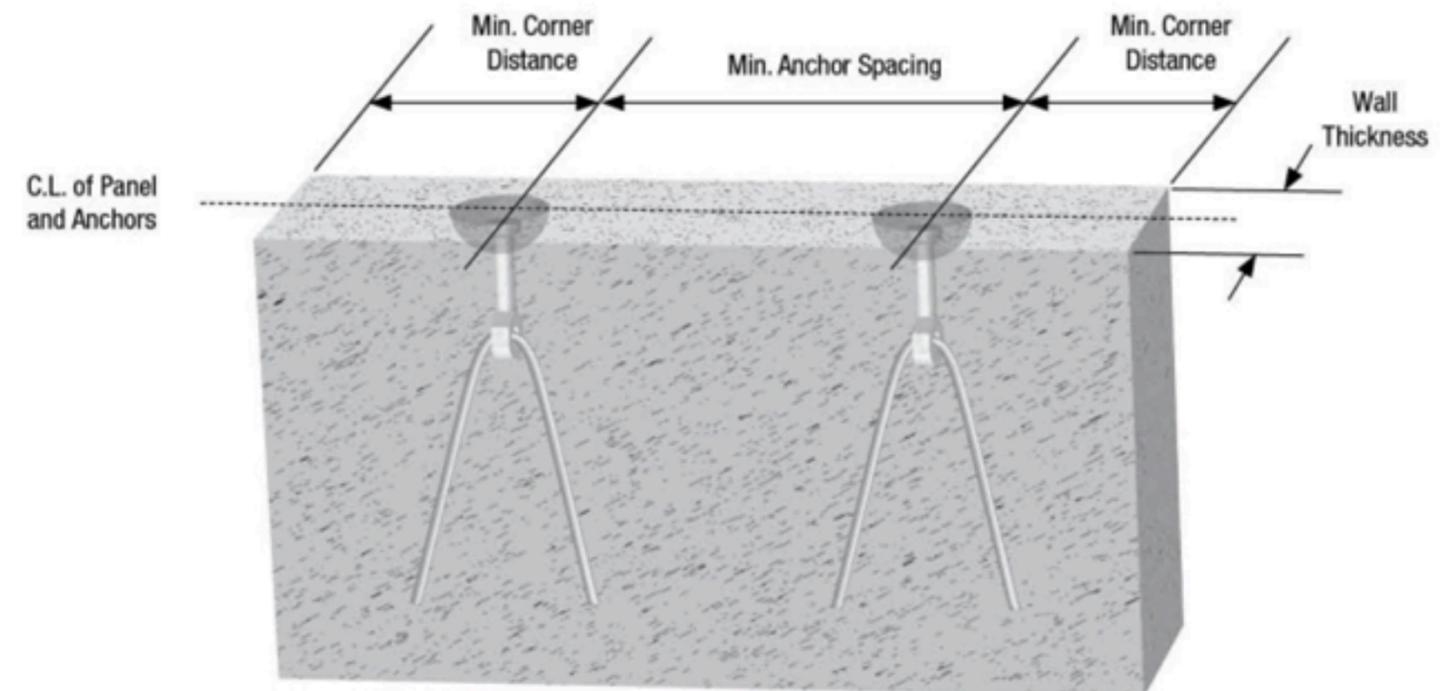
LIFTING PIN EYE ANCHOR DIMENSIONS AND CAPACITIES WITH REBAR

Part Number	Ton	L Length	HD - Head Diameter	RD - Rod Diameter	D Diameter	FW Foot Width	Anchor Ultimate Mechanical Load in Tension (lbs)	Weight Per Piece (lbs)	Anchor Capacity in Concrete 4:1 SWL in tension at 2,000 PSI			
									Min. Wall Thickness	Min. Corner Distance	Min. Anchor Spacing	Tension w/rebar (lbs)
LPEA1TG	1T	2-9/16"	3/4"	3/8"	3/8"	1-5/16"	8,000	0.18	3"	8"	16"	2,000
LPEA2TG	2T	3-1/2"	1-1/32"	9/16"	9/16"	1-5/16"	16,000	0.38	3"	4"	8"	4,000
LPEA4TG	4T	4-3/4"	1-7/16"	3/4"	7/8"	1-11/16"	32,000	0.97	4"	5"	10"	8,000
LPEA8TG	8T	7-1/16"	1-7/8"	1-1/8"	1-1/8"	2-3/8"	64,000	2.75	5"	7"	14"	16,000
LPEA20TG	20T	9-7/8"	2-3/4"	1-9/16"	1-9/16"	3-5/16"	160,000	7.25	6-1/2"	8-1/2"	17"	40,000

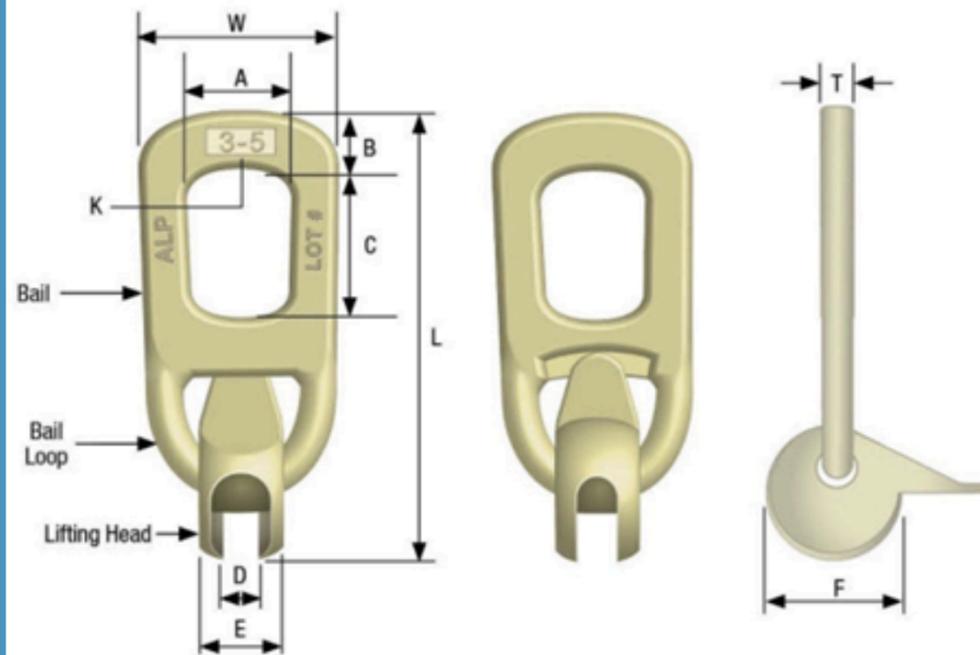


- Safe work loads are based on Anchors with tension bar installed.
- Above capacities are based on ACI 318-14 requirements and mechanical testing.
- Anchors must be centered in wall thickness when installed, otherwise deviations will result in a reduction of safe working loads.

LIFTING PIN EYE ANCHOR



LIFTING CLUTCH



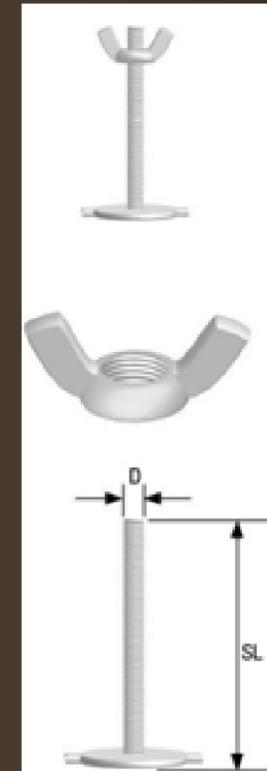
Designed as an attachment link for lifting and transport of precast concrete units in combination with the ALP® Lifting Pin Anchor System. The Lifting Eye consists of a round body with a protruding lever arm and a high strength bail. The body has a "T" slot that engages the head of a Lifting Pin Anchor. The rotation capabilities allow the lifting eye to stay oriented in the direction of loading without binding up.

See pages 12 and 13 for Lifting Eye usage information.

See ALP Supply® website for Inspection and Maintenance Guidelines for routine inspection of lifting hardware.

Part Number	Description	L	W	T	A	B	C	D	E	F	Weight Each (lbs)	K Load Range (Tons)	Ultimate Capacity in Tension (lbs)
LPLE1T	1T Lift Eye	7-11/32"	3"	1/2"	1-3/4"	7/8"	2-3/4"	15/32"	1-5/16"	2-1/8"	2.20	1T-1.3T	13,000
LPLE2T	2T Lift Eye	9"	3-1/2"	5/8"	2-1/8"	1"	3-3/8"	11/16"	1-5/8"	2-9/16"	3.60	1.5T-2.5T	25,000
LPLE4T	4T Lift Eye	11"	4-11/16"	11/16"	2-5/8"	1-15/32"	3-7/16"	29/32"	2-1/4"	3-3/8"	7.65	3T-5T	50,000
LPLE8T	8T Lift Eye	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"	21.70	6T-10T	100,000
LPLE20T	20T Lift Eye	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"	44.10	12T-20T	200,000

STUD PLATE AND WINGNUT

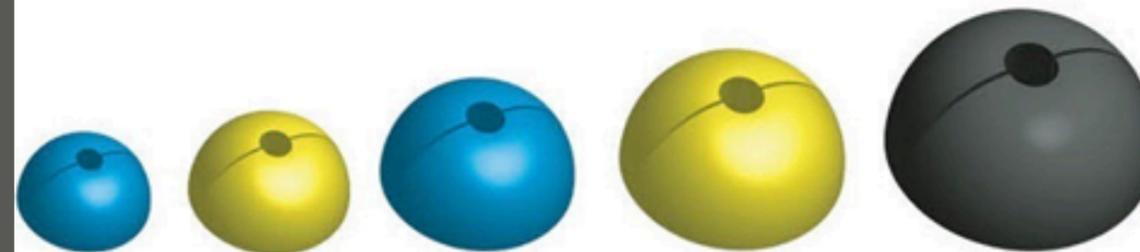


The Stud Plate and Wingnut combination is designed to attach the Lifting Pin Recess Member to the form.

Part Number	Description	Size	Weight Per Piece (lbs)
LPWN1T	For 1T Stud Plate	8mm	0.06
LPWN248T	For 2T, 4T, 8T Stud Plates	12mm	0.26
LPWN20T	For 20T Stud Plate	18mm	0.50

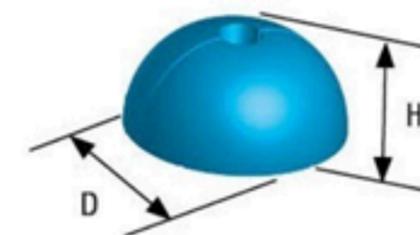
Part Number	Size	Stud Diameter	Stud Length	Weight Per Piece (lbs)
LPSP1T	1T	8mm	3-3/16"	0.08
LPSP2T	2T	12mm	4"	0.08
LPSP4T	4T	12mm	4"	0.22
LPSP8T	8T	12mm	4"	0.25
LPSP20T	20T	18mm	4"	0.75

RUBBER RECESS



- Flexible material - Easy to install and remove from concrete
- Long-lasting and reusable

Part Number	Size	D - Diameter	H - Height	Color	Weight Per Piece (lbs)
LPRM1T	1T	2-3/8"	1-3/16"	Blue	0.15
LPRM2T	2T	2-7/8"	1-1/2"	Yellow	0.30
LPRM4T	4T	3-3/4"	1-7/8"	Blue	0.60
LPRM8T	8T	4-5/8"	2-1/4"	Yellow	1.12
LPRM20T	20T	6-3/8"	3-1/8"	Black	2.45





JAPAN LIFE ACCESSORIES

UNMATCHED HIGH QUALITY/PERFORMANCE PRODUCTS CERTIFIED BY BUILDING CENTER JAPAN (BCJ) WIDELY USED IN ASIA AND JAPAN.

§ JAPAN LIFE® CURRENT PRODUCT LINE THAT WE OFFER:

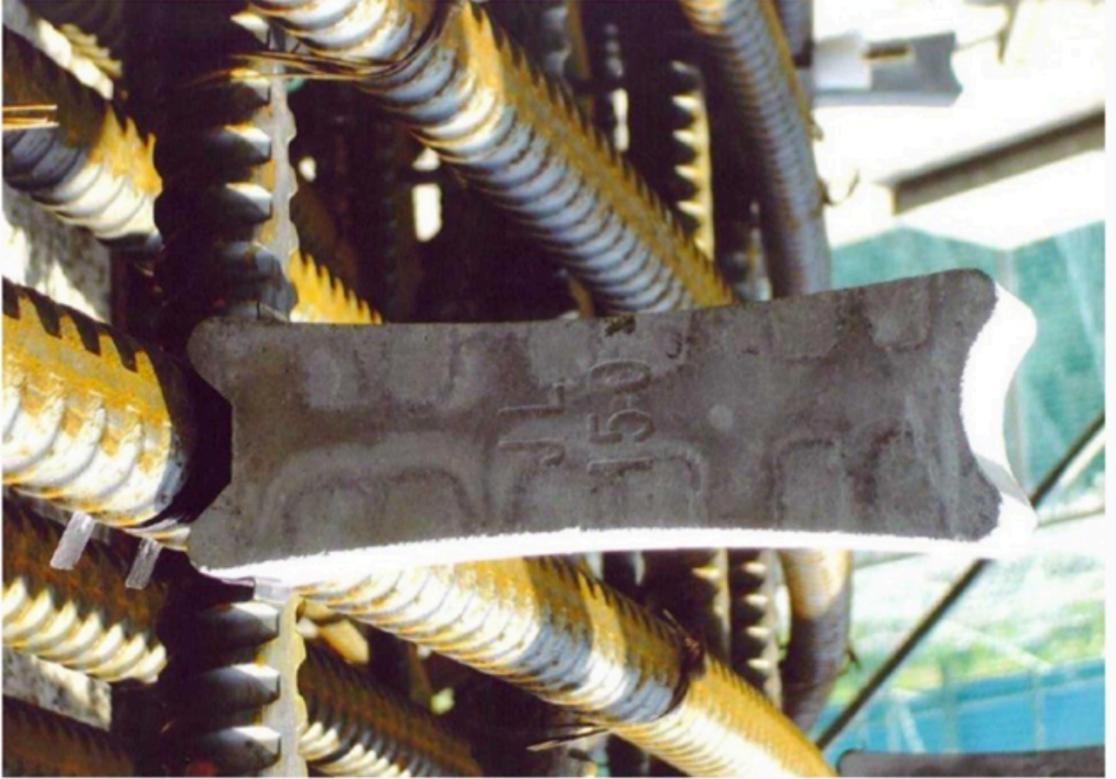
- JL-ANCHORS AND JL-INSERTS
- JL-SPACERS
- FCI INSERTS
- SEISMIC RESTRAINER
- FORMWORKS (FOR PRECAST CONCRETE)

JL Anchor • JL Inserts



JL Spacers

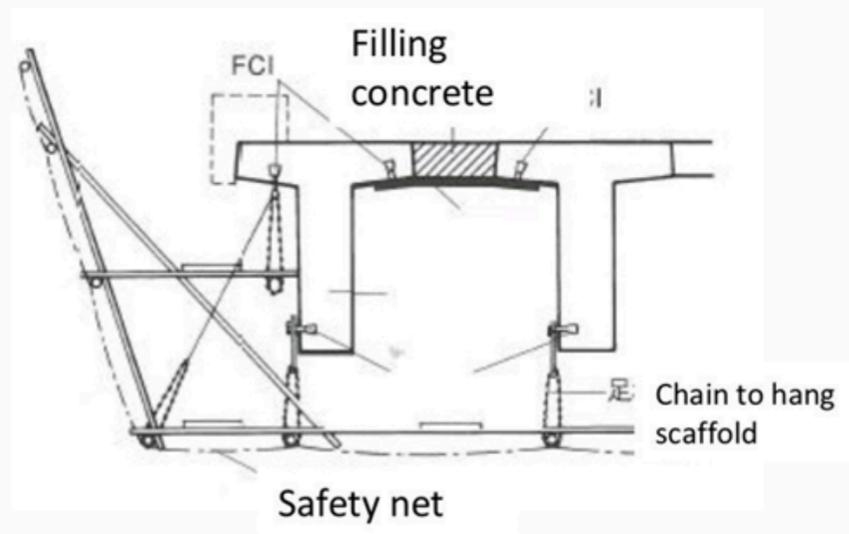
High Strength Mortar Spacer



After setting

Design strength = 70Mpa

FCI (Fine Ceramic Insert)



- Rustproof
- Maintenance free
- Realize extension life of concrete structure



SEISMIC RESTRAINER

1,600 pcs of Seismic Restrainer sold to
CP01 and CP02 NSCR (North South
Commuter Railway)

Split type cylindrical form for PC bridge

(Development project)



Mold system for PC products



OUR SERVICES

Presenting a variety of relevant products curated for your next construction project in the Philippines.



GPBS Grouting & Field Supervision Services

GPBS provides well-trained supervisors and manpower to lead and execute the grouting and installation of NMB Splice Sleeve at the construction site.



Consulting Services

CEG provides consultancy such as Cast-In-Place to precast conversion, precast structural design 3D Modeling, BIM Services, precaster shop detailing, precast erection and supervision

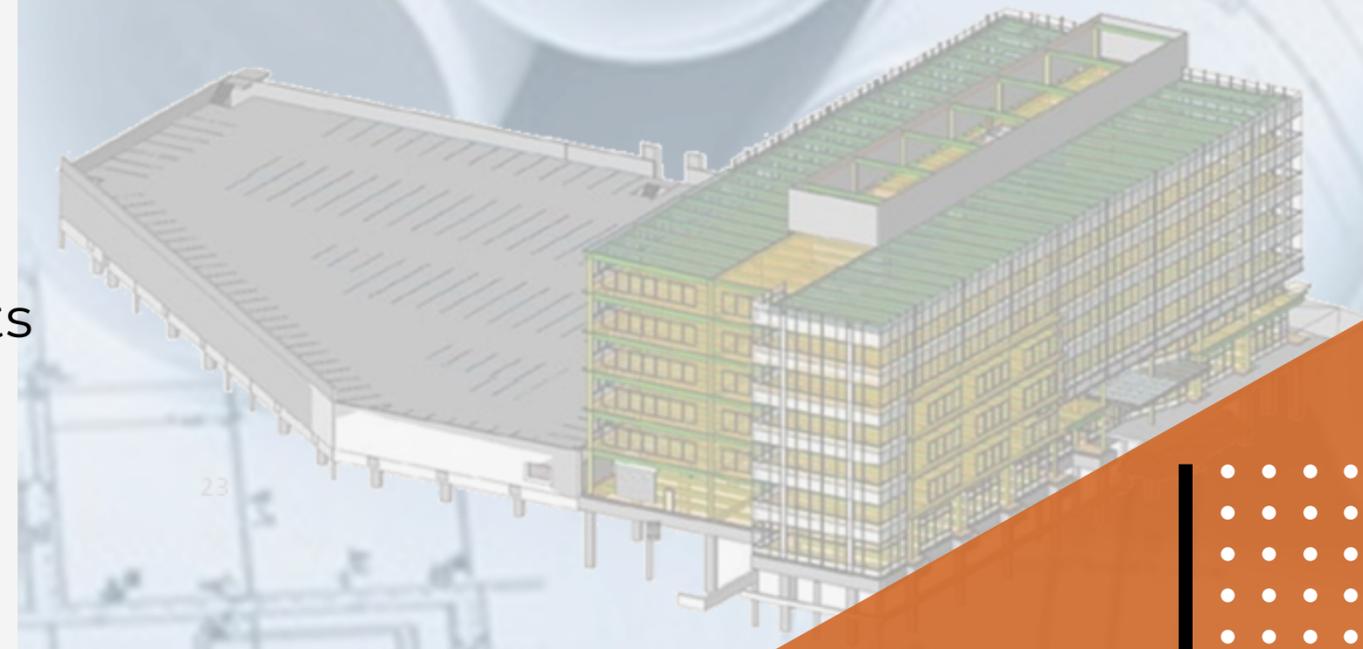
CONSULTING SERVICES



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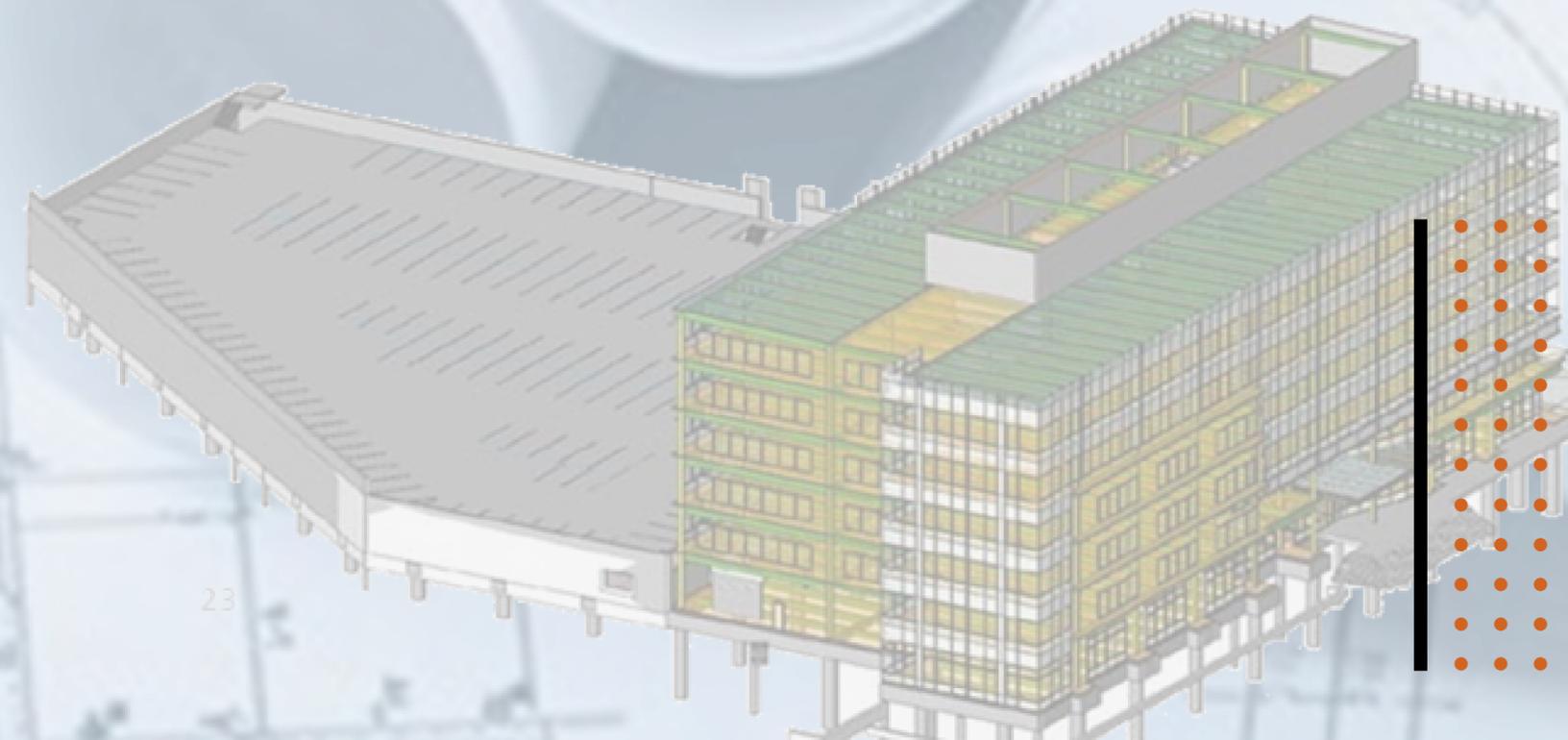
CEG is one of the most sought consulting firms in the USA specializing in precast concrete structural design and engineering for:

- Parking garages
- Stadia
- Detention Facilities
- Data Centers
- Industrial Buildings
- Blast and Progressive Design Projects
- High End Architectural Projects
- Processing Plants
- Multiuse Facilities
- Student Housing



OTHER EXPERTISE

- Restoration
- Investigations
- Structural Engineer of Record
- Foundation Design for Own Projects
- Consulting on New Products for Precast
- Expert Witness in Litigations
- Peer Reviews
- Design Build



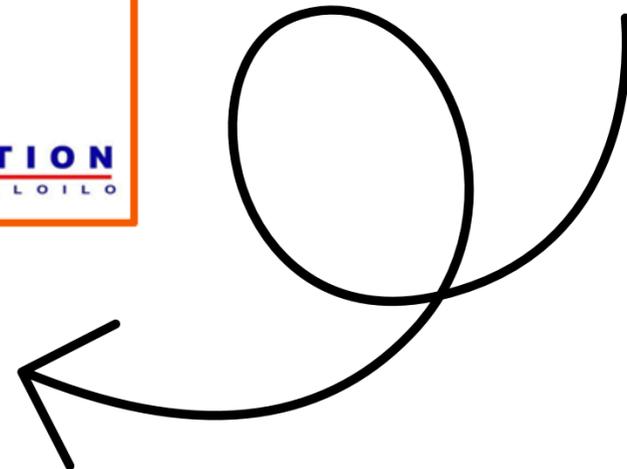
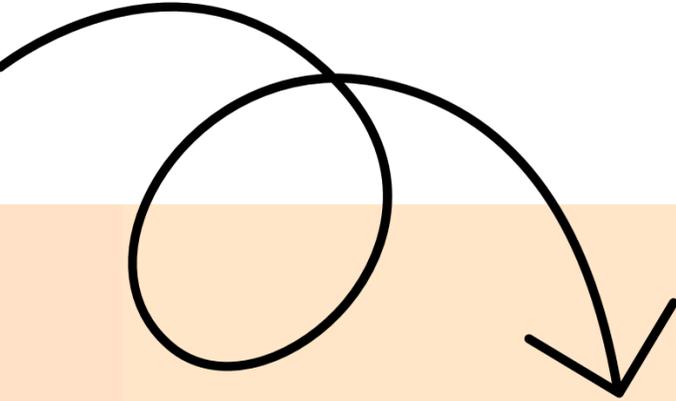
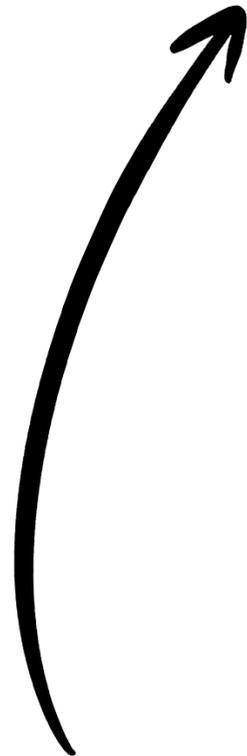


GROUTING AND FIELD SUPERVISION SERVICES

- **GPBS provides well-trained supervisors and manpower to lead and execute the grouting and installation of NMB Splice Sleeve at the construction site.**



OUR CLIENTS





PROJECT REFERENCE

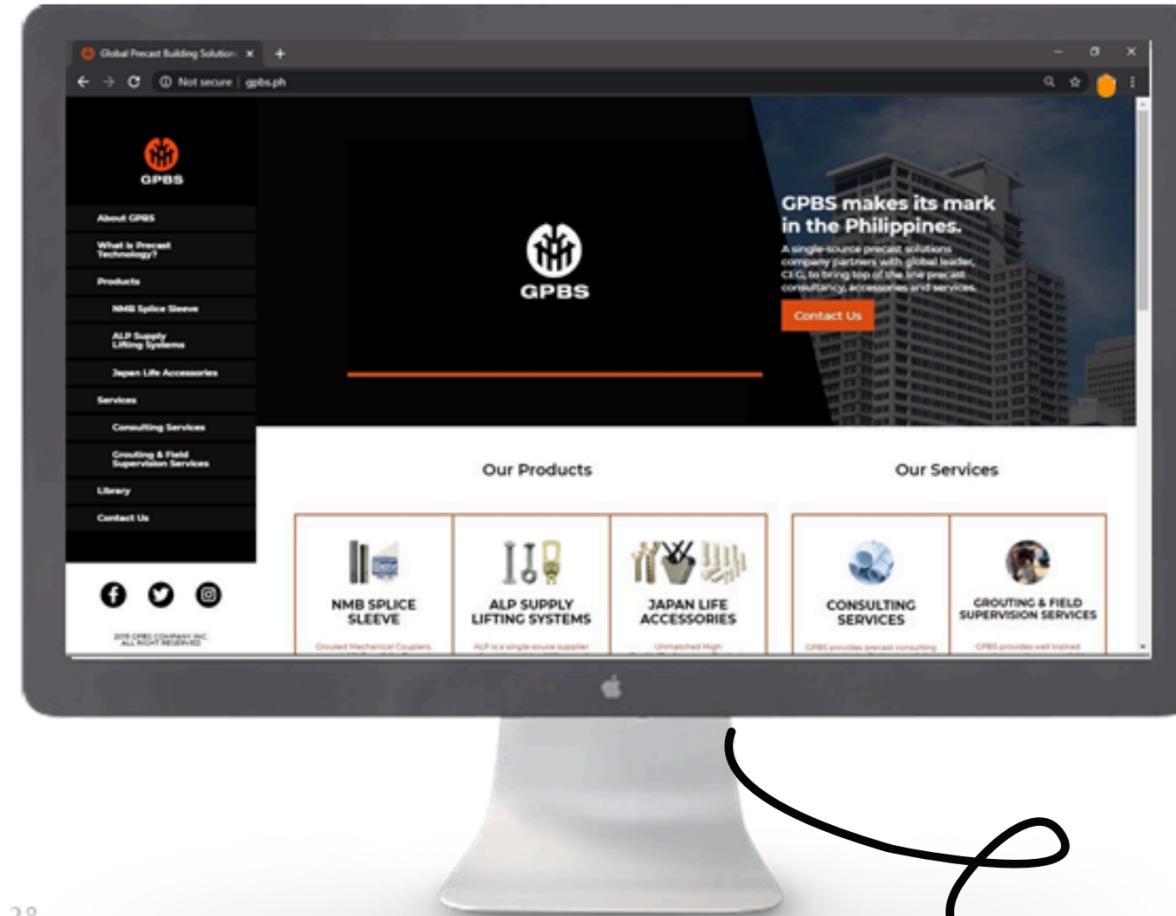
Project Name:	Athletes Village	Project Name:	Various Project
Location:	Clark, Pampanga	Location:	Datem Precast Plant @ Trece Martires Cavite
Client:	Frey Fil Corporation	Client:	DATEM INC.
Scope of work:	Supply of NMB Splice Sleeves	Scope of work:	Supply of Lifting pins
Project Name:	Urban Deca Condominium Ortigas	Project Name:	Malolos Clark Railway Project
Location:	Ortigas, Pasig	Location:	San Fernando Pampanga
Client:	Megawide Construction Corp.	Client:	ITALIAN-THAI DEVELOPMENT PUBLIC COMPANY LIMITED
Scope of work:	Supply and Grouting of NMB Splice Sleeves	Scope of work:	Supply of Inserts
Project Name:	Bicol State College of Applied Science and Technology	Project Name:	Calumpang Bridge
Location:	Naga City	Location:	Batangas City
Client:	Jodans Engineering	Client:	Frey Fil Corp.
Scope of work:	Supply and Grouting of NMB Slim Sleeves	Scope of work:	Supply of NMB





OUR WEBSITE (BROWSER)

A MORE CONVENIENT WAY TO CHECK OUR WHOLE PRODUCTS AND SERVICES.



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YOU CAN VISIT US AT WWW.GPBS.PH

YOU CAN ACCESS ALL THE CONTENT INCLUDING LIBRARY OF VALID REFERENCES IN OUR LIBRARY.





THANK YOU

*We look forward to working
with you*

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