



INTERNATIONAL CONSTRUCTION CONSORTIUM (PVT) LTD

PRE-CAST

PRODUCTION

PRE-CAST CONCRETE PILE

DATA
SHEET



WIDE RANGE
OF SIZES

QUALITY
PRECAST
PILES &
CONCRETE
SHEET PILES

OTHER
SPECIFICATION

RDA
STANDARD

CEB
STANDARD



ICC PRECAST
FAST - QUALITY - INNOVATIVE



PRE-CAST PRODUCTION

PRE-CAST CONCRETE PILE & SHEET PILE DATA SHEET

01. INTRODUCTION

International Construction Consortium (Pvt)Ltd is leading of manufacturer of pre cast concrete piles,sheet piles and associated precast products in Sri Lanka. They are available in a wide range of dimensions and deferent standard specifications.

The precast piles and precast sheet piles are manufactured with high quality controlling and quality assurance systems and under engineer supervisions.

This publication provides the information necessary to specify pre cast piles for all of these applications.



02. GENERAL SPECIFICATIONS

STANDARD SPECIFICATION

RDA Standard
CEB Standard
Project Standard

PRODUCTION SPECIFICATION

Dimensions: Refer the table
Concrete Strength(N/mm²): Grade 45
Grade 25
Pile Section : Square tyape

RAW MATERIAL SPECIFICATION

Cement: SLS 107 : 2015
: BS EN 197 - 1:2011
Fine Aggregate: BS 882 - 1992
Coarse Aggregate: BS 882 - 1992
Reinforcement Steel : SLS 375 : 2009
Water : BS 3148 - 1980

03. PRODUCT RANGE

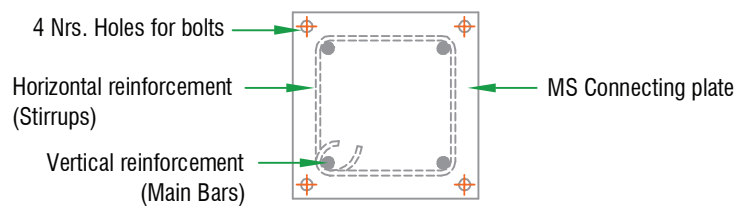
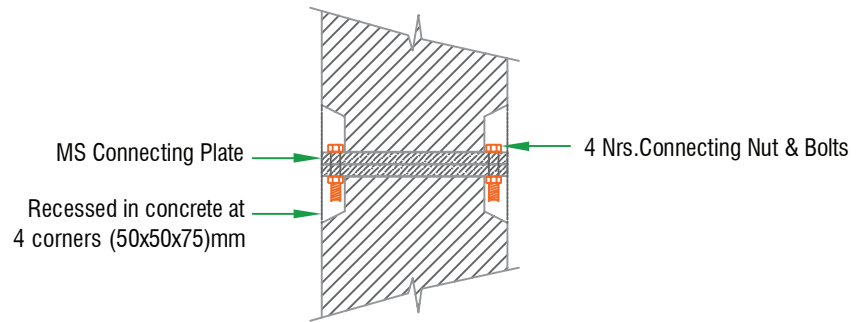
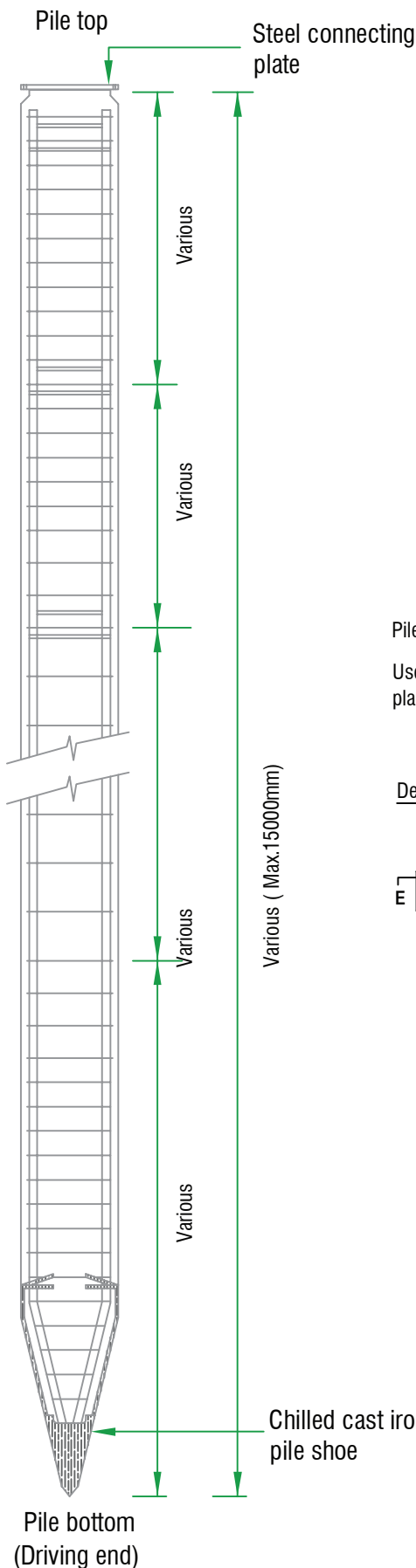
PRECAST CONCRETE PILE				
LENGTH (MM)	WIDE (MM)	HEIGHT-MAX. (MM)	TYPE OF PRODUCT	RDA DRAWING NO.
355	355	15000	-	T/B/108
400	400	10000	-	Customer Requirement
300	300	10000	-	
PRECAST CONCRETE SHEET PILE				
300	250	6000	A	T/B/510
300	250	9000	B	T/B/514



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PRECAST CONCRETE PILE

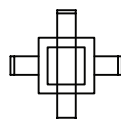
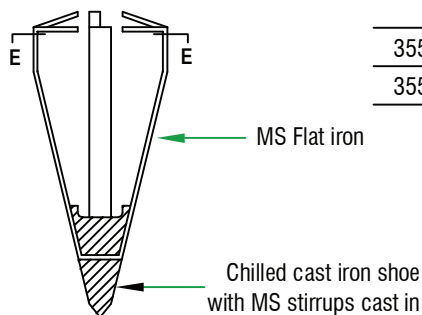


Connecting Type of pile

Pile dimension are various by the pile section. And pile section will change by the customer requirement.

Use always the two lifting point for stacking and handling, and L@.03m lifting hole use should be only placing or erecting.

Details of pile shoe



Section EE

Size of pile (mm)	Length (mm)	Longitudinal Reinforcement	
		Main Reinforcement	
		Diameter (mm)	Quantity (nrs.)
355x355	Up to 10500	20	4
355x355	10500 to 18000	25	4

Shoe dimension are will be change by the pile size.

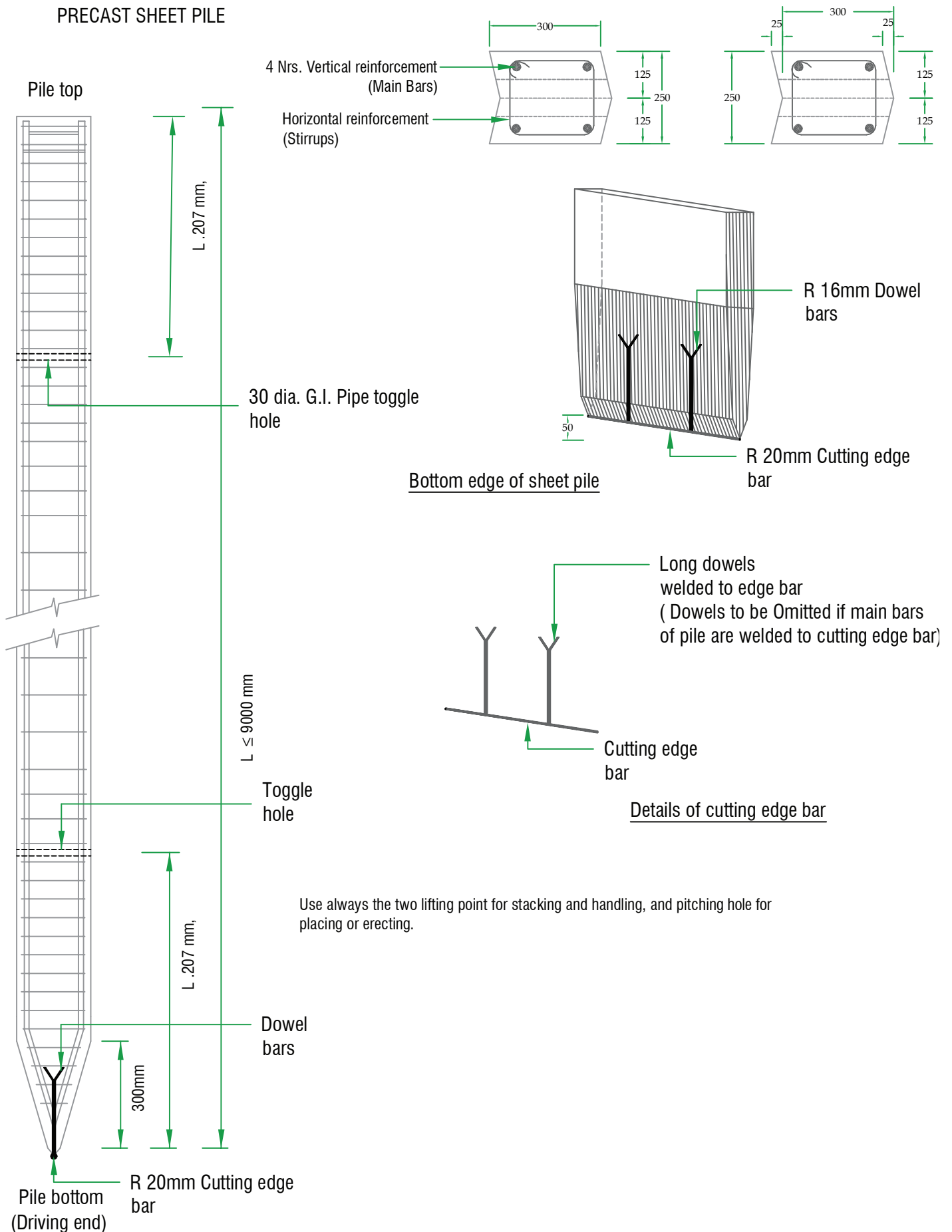
Chilled cast iron/steel pile shoe

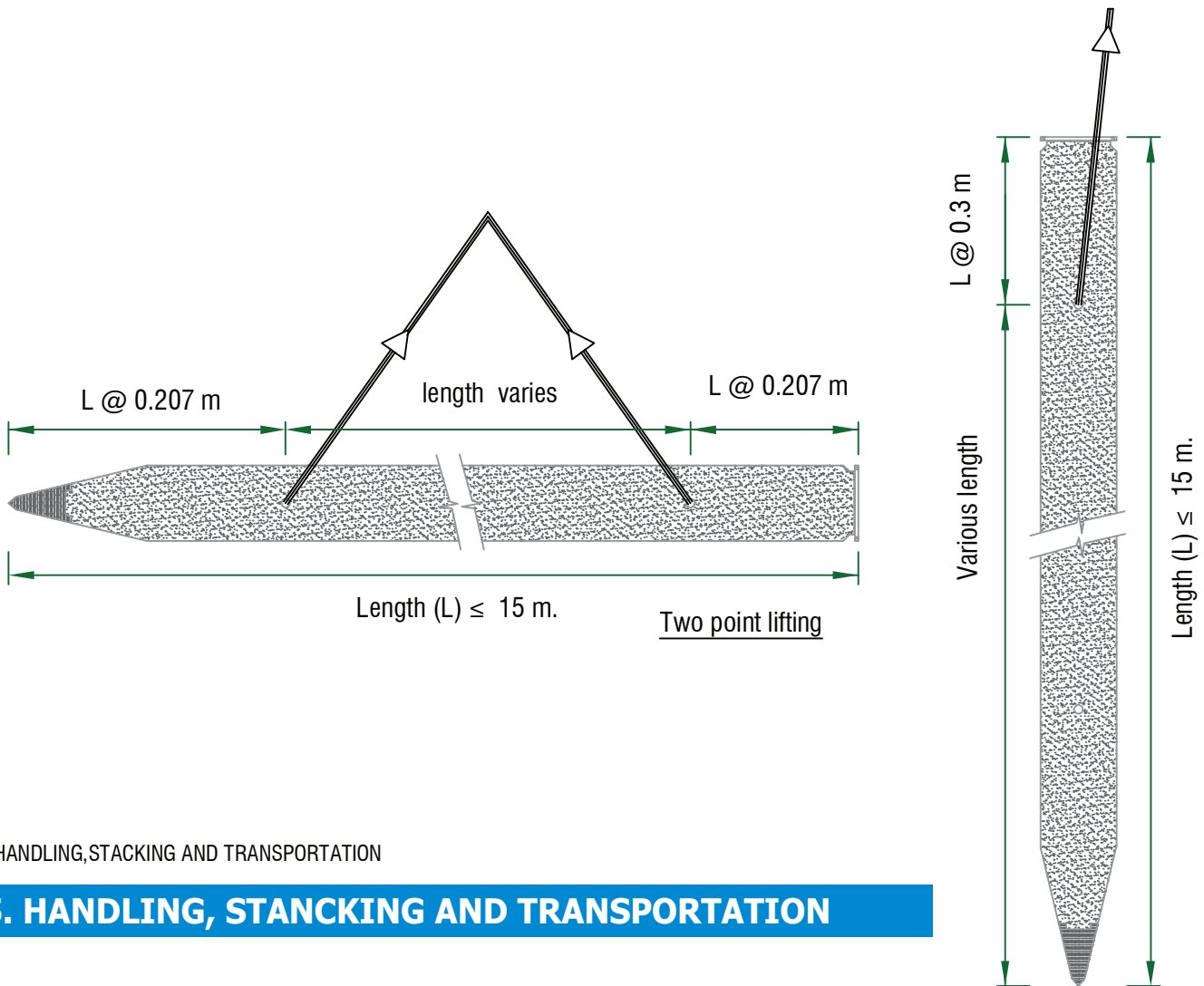


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PRECAST SHEET PILE





05. HANDLING, STACKING AND TRANSPORTATION

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(Precast pile and Sheet pile)

Handling, stacking and transportation method are same as for precast pile and precast sheet pile.

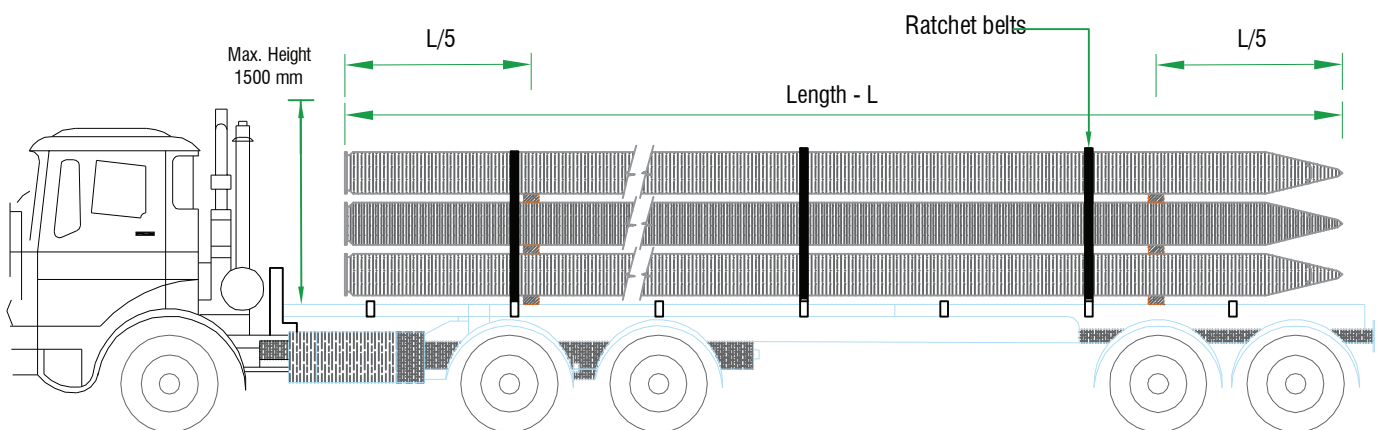
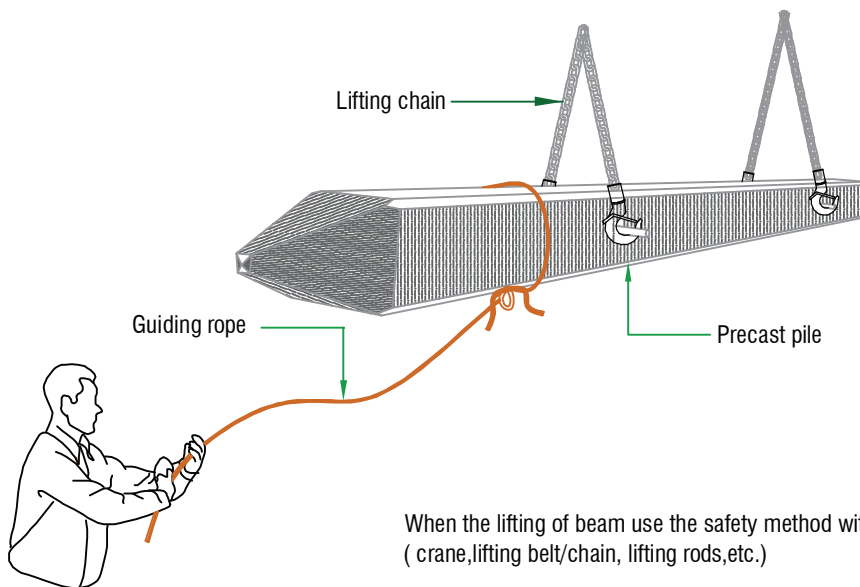


Fig.01 - Correct loading method for transportation.



Fig.02 - Correct method for stacking.

Always put the support in vertical axis



When the lifting of beam use the safety method with suitable equipment.
(crane, lifting belt/chain, lifting rods, etc.)

Always use the designated holes for the handling of pile and any jerk should be avoided during lifting and handling.

Do not stand any workers & officers under the pile during the lifting or handling.
always use the guiding rope for handling the product.

06. TESTING & INSPECTION

Material test report and mill report
Concrete crushing strength. (test cube strength)
Imposed load test record.

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