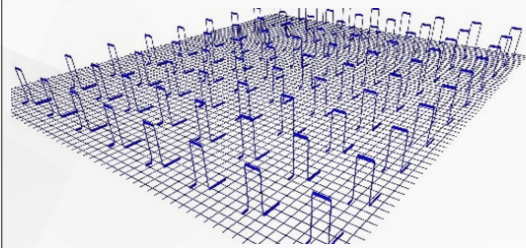
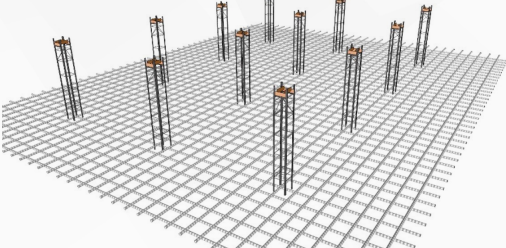
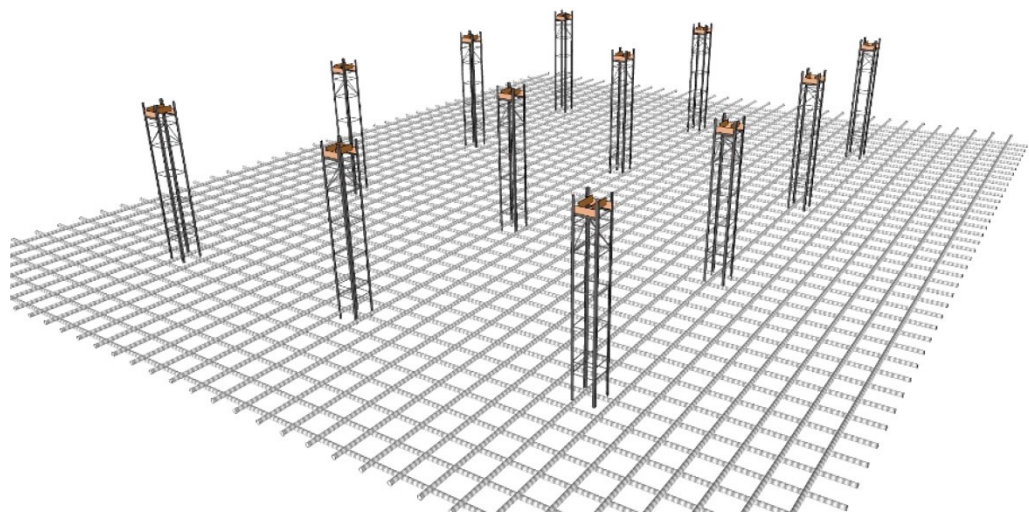


	Cap-Type Rebar Support <b>VS</b> Barona Level Adjustable Safety Bar-chair	
Concept		
Load (MAT foundation 1.6m thick)	D19 → 4.4kN D22 → 9.0kN	100kN (Height-independent)
Adjustable Height	Lack of height adjustment leads to concentrated load.	4-step height adjustment available (0mm to 120mm)
Fixing Method	Welding required	Weld-free using dedicated clips
Installation Spacing	1.2m*1.2m ~1.4m*1.4m	2.6m*2.6m ~2.6m*3.0m
Installation Time	100%	30%
Cost-effectiveness	100%	75%

“We independently develop technologies that can innovate construction sites.”



Level Adjustable  
**Safety Bar-chair**



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# What’s level adjustable safety Bar-chair?

A rebar support structure designed for foundations thicker than 500mm, addressing the instability and inconvenience of conventional cap-type supports that relied solely on worker experience.

Adjustable Unit



✔ Structurally calculated placement **ensures safety**

✔ **Level adjustable feature** corrects on-site construction

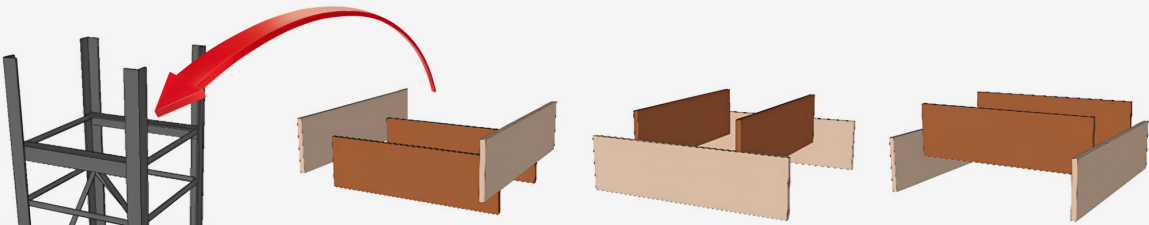
✔ Easy assembly using dedicated clips, **no welding required**

✔ Wide installation spacing **reduces overall material and labor costs**

At 1.5m length, each unit weighs 10kg and can be carried by a single worker.

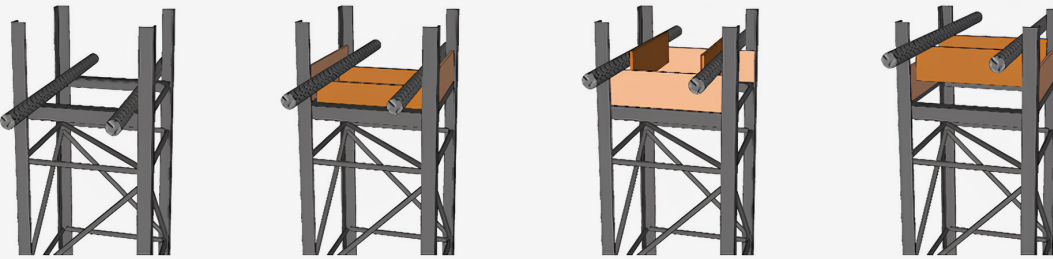
## Configuration and Features

An adjustable structure is installed on the upper part of the bar chair, allowing vertical height adjustment. Three types of level adjustment units (25mm, 32.5mm, and 40mm) enable flexibility for various site conditions



Upper part of the bar chair

Level adjustment units



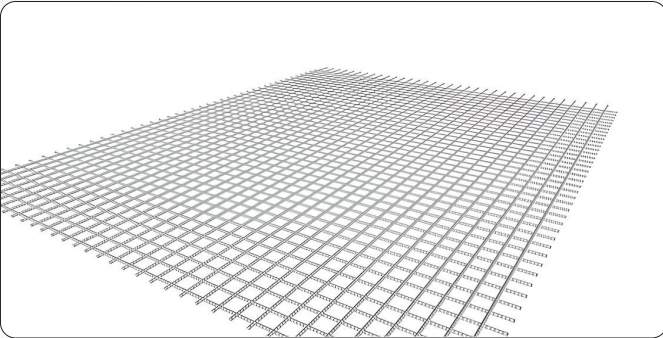
Step 1

Step 2

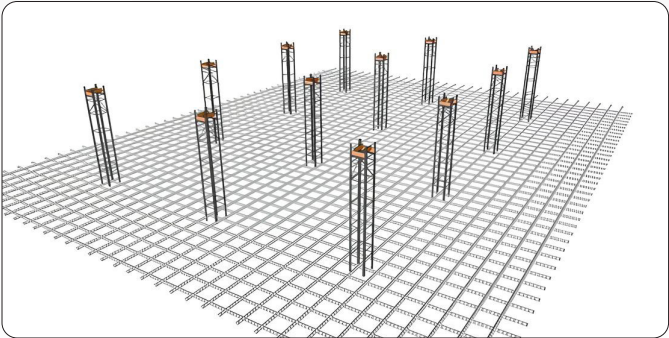
Step 3

Step 4

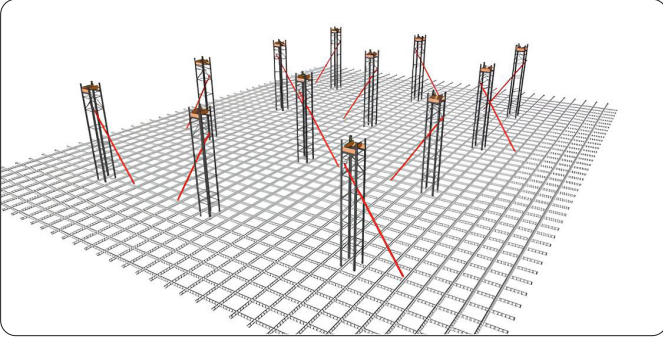
## Construction Sequence



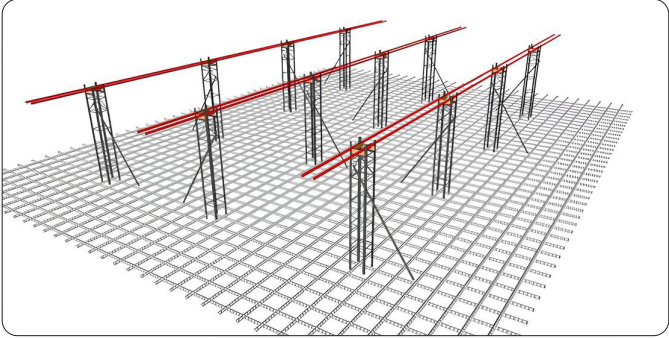
1. Installation of Bottom Rebars for Foundation



2. Manual installation of bar chairs at intervals of 2.0 to 2.5 meters.



3. Bracing installation using dedicated clips (no welding required)



4. Installation of two rebars as a yoke (upper rebar support)

## Site Installation Images

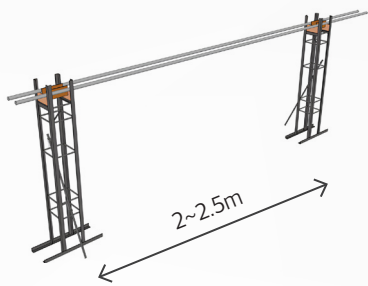
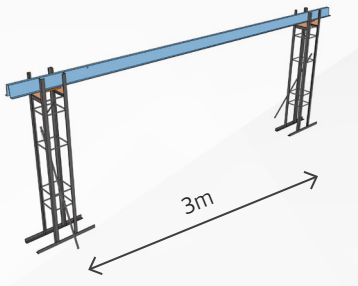
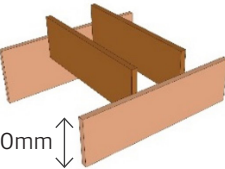
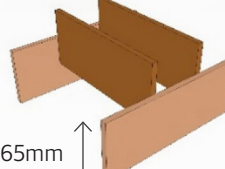
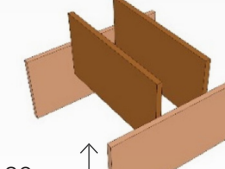

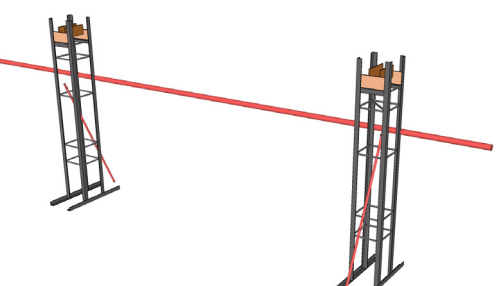










## Option

Components	Option 1		Option 2	
Yoke selected based on spacing, considering deflection and load.				
	Use of two existing rebars (2.0m-2.5m)		Use of steel section yoke (up to 3.0m)	
Beyond the 4-level height adjustment, additional fine-tuning is available via plate height	Option 1	Option 2	Option 3	
	 (0, 25, 50, 75mm)	 (0, 32.5, 65, 97.5mm)	 (0, 40, 80, 120mm)	
Select lateral support method according to height.	Option 1		Option 2	
				
Select lower or upper rebar configuration based on the applied load.	Option 1		Option 2	
				
	Installation on lean concrete		Installation on top of bottom rebars	