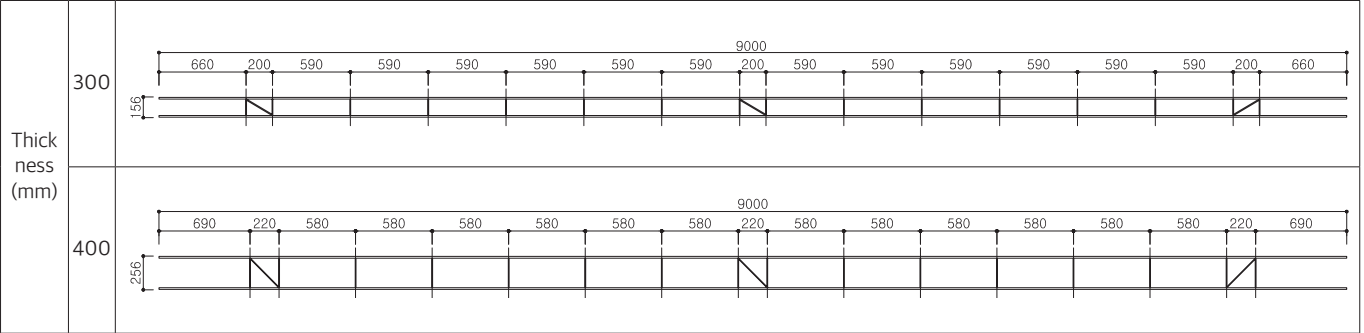


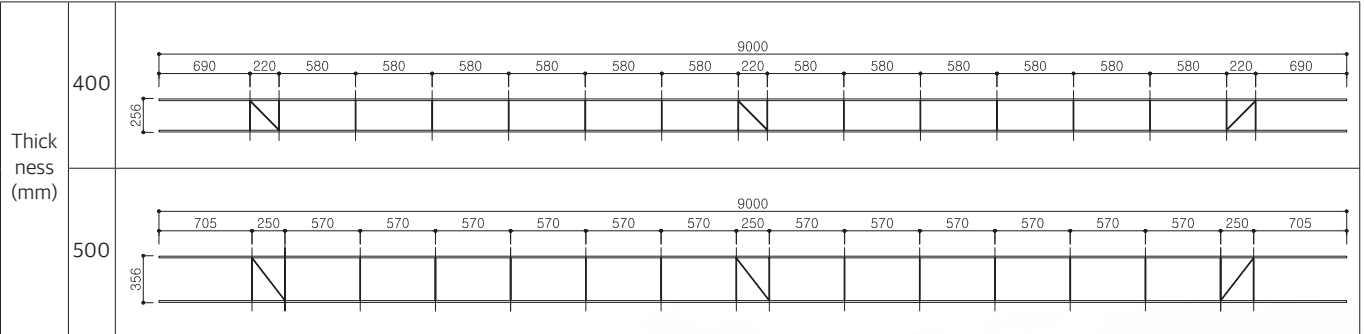
Bar-chair Types

Bar-chair is designed by calculating stress based on load depending on thickness to satisfy the required safety factor. If the rebar specifications of the mat and continuous safety bar-chair differ, the spacing of the mat rebars is adjusted accordingly.

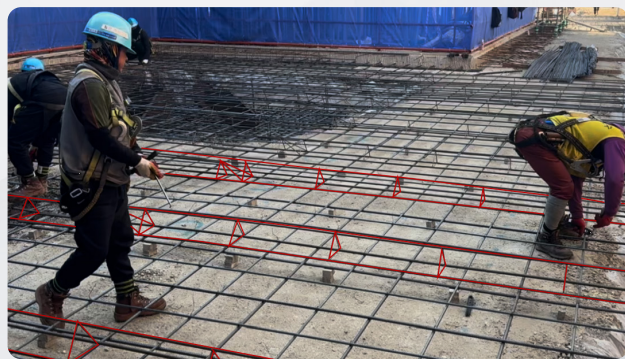
- Raft foundation Main rebar : Ø13, Continuous Safety barchair rebar : Ø13 ($f_y=500\text{MPa}$)



- Raft foundation Main rebar : Ø16, Continuous Safety barchair rebar : Ø13 ($f_y=500\text{MPa}$)



On-site Application

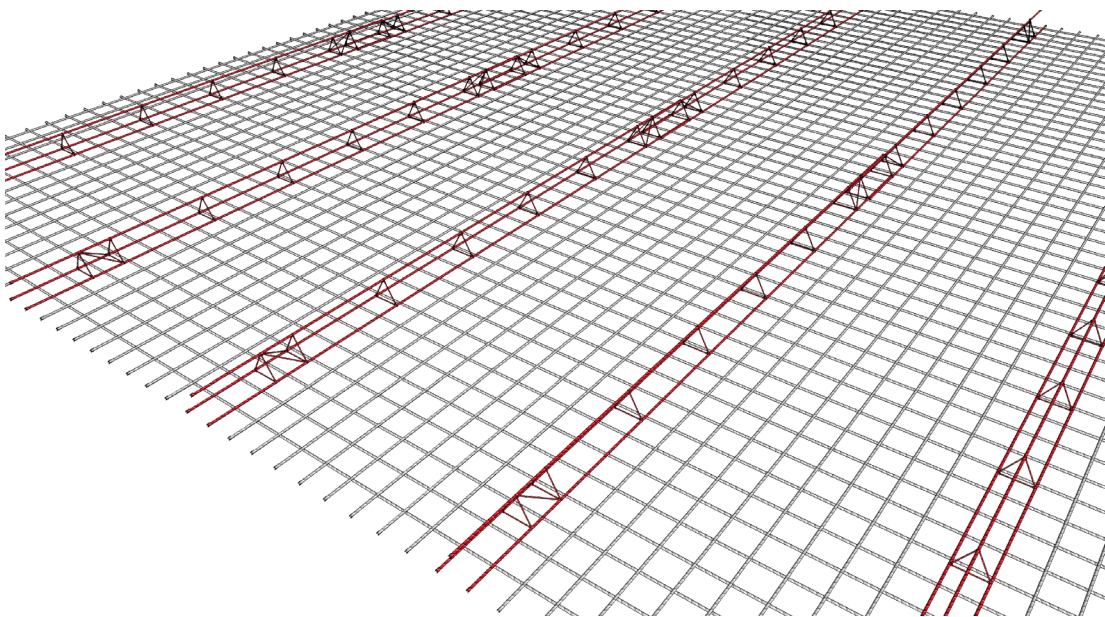


**"We independently develop technologies that
can innovate construction sites."**

Barona

Safer and Faster than Rebar bar-chair!

Continuous Safety Bar-chair



📍 6thF Baro Bldg.9 Pungseong-ro 38-gil Gangdong-gu Seoul, Korea 05393

 www.baro-ck.com

☎ T/ 02.413.6503 F/ 02.413.6503

✉ baro-ck@baro-ck.com



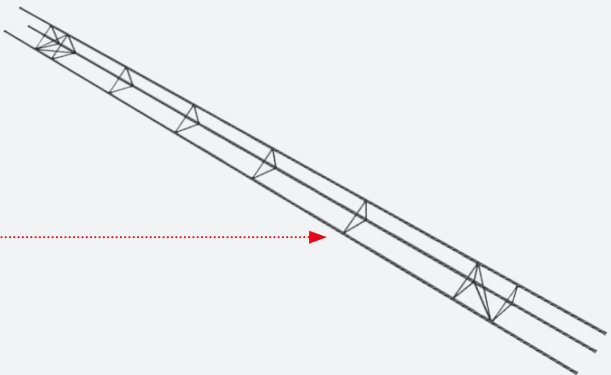
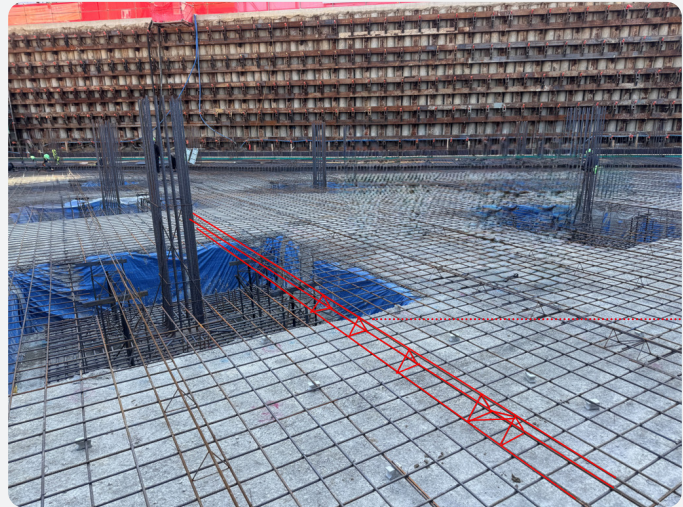
What's

Barona

Continuous Safety Bar-Chair?

A rebar supporting structure used for thin foundations with a thickness of 250-500mm.

The main rebar is simply tied with a triangular steel bar (ø6~7mm), allowing it to be placed directly in the designed reinforcement position without additional work!



Continuous Safety Bar-chair



Cost-Effective!

There's no need for installing individual rebar bar-chairs one by one, **Reduction of Material cost, labor cost, and construction period** (Only 94% of the cost compared to rebar bar-chairs)



SAFE!

The continuous triangular truss form provides **structural stability** and allows for wider spacing, **ensuring worker access and improving safety.**



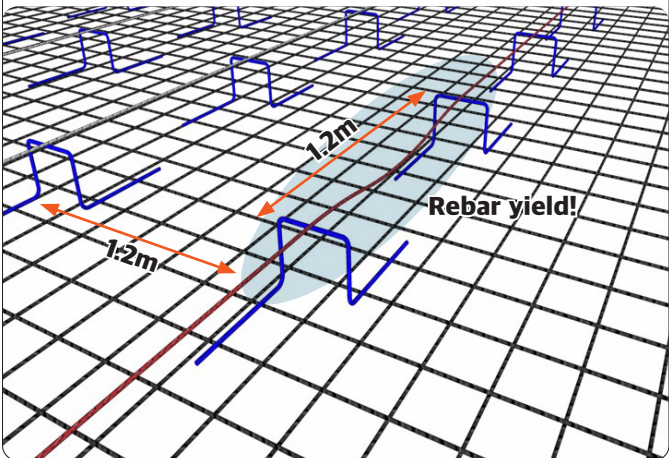
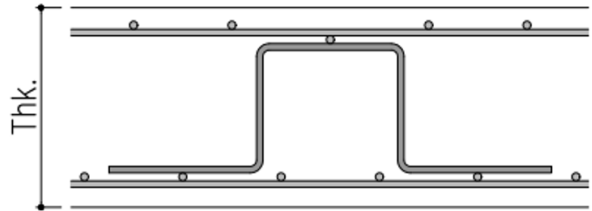
Easy Installation!

Pre-fabricated in the factory, it can be installed in long lengths at once — just place and go! **Installation speed is three times faster** than with rebar bar-chairs.

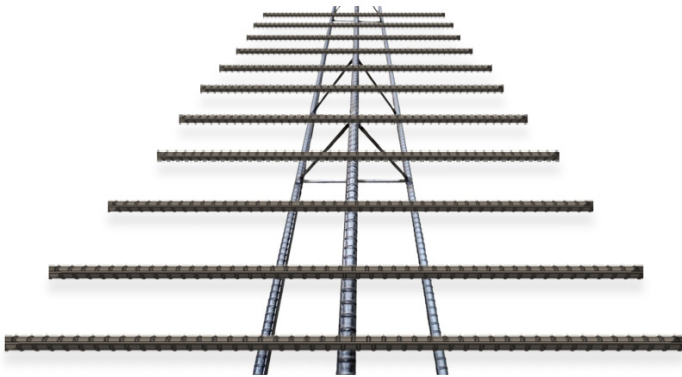
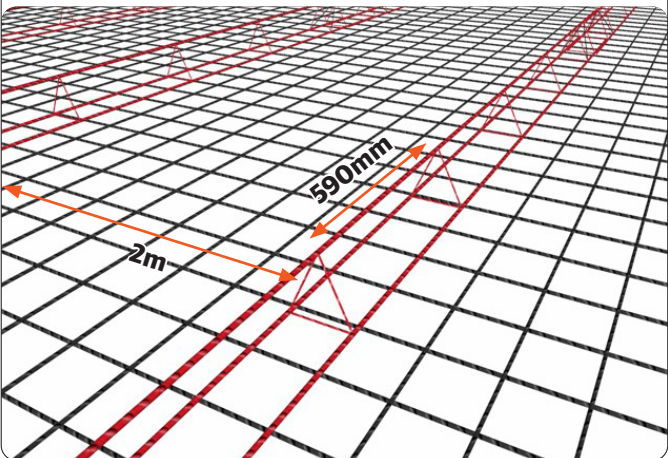
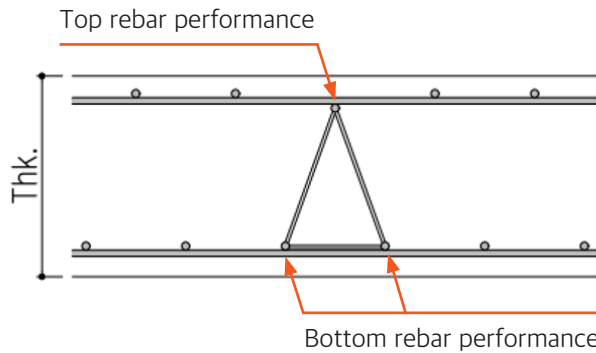
Features

- **Rebar bar-chairs** are typically installed at 1.2m x 1.2m intervals, but when using a yoke (dori) rebar of Ø13, **calculated results show that permanent deflection may occur due to yielding** at that 1.2m spacing.
- BUT, the bar-chair has a **support spacing of 590mm**, making it **structurally safe**.
- Thanks to this structural stability, it can be spaced wider (up to 2m) compared to conventional bar-chair types
- The main body of the continuous safety bar-chair itself functions as both **bottom & top rebar**.

Rebar Bar-chair



Continuous Bar-chair



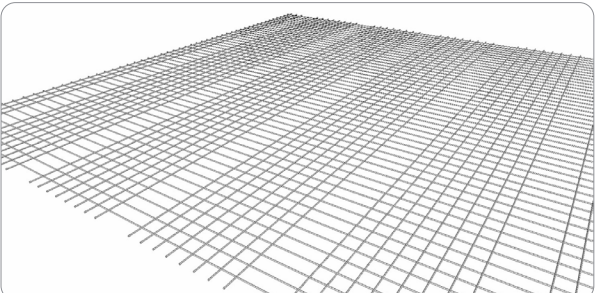
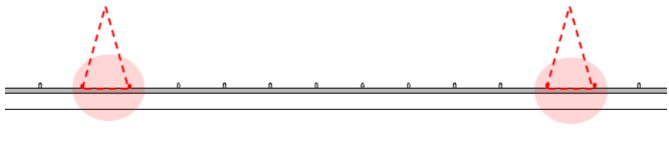
+More details!

“To prevent slip at the ribbed joint of the top rebar, it is pre-fabricated with lateral adjustments aligned to the rib direction.”

Construction sequence

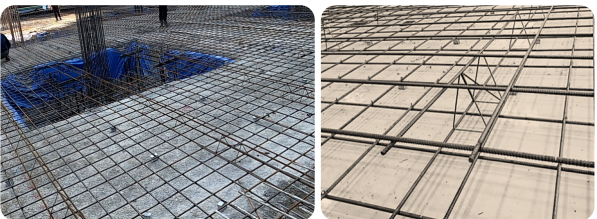
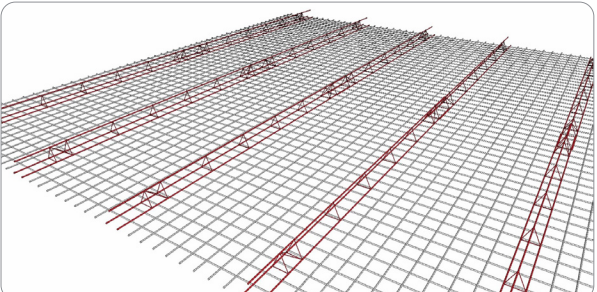
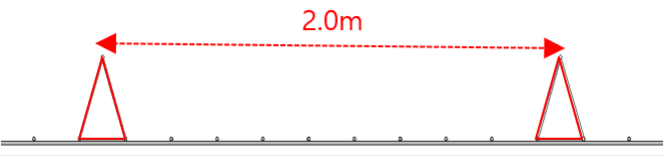
01 Placement of bottom rebar in foundation

Bottom rebar that overlaps with the lower rebar in the main body of the continuous safety bar-chair is omitted.



02 Manual installation of continuous safety bar-chair

Installed at intervals of 2.0m or less.



03 Placement of top rebar in foundation

Top rebar that overlaps with the upper rebar in the main body of the continuous safety bar-chair is omitted.

