



US

Login to Account

Tiếng Việt
English ✓
中文
Bahasa Indonesia

Email *
e.g. ramset@gmail.com
Email không hợp lệ

Password *
Mật khẩu là bắt buộc

[Forgot password](#)

Remember me for next time [Sign In](#)

Don't have an account? [Register](#)



US

Sign Up

Email *
e.g. ramset@gmail.com

Phone Number *
phone number should start by number 0
ex: 0938538055
VN +84 ▼ e.g. 0981234567

Create password *

I have read and accept the [terms of service](#) and [privacy policy](#). [Register](#)

Already have an account? [Login](#)

Step 1 => register account

Step 2 => personal information



Login to Account

Email *

123@gmail.com

Password *

.....

[Forgot password](#)

Remember me for next time

Sign In

Don't have an account? [Register](#)

Step 3 => sign in



- EndAnchorage calculation - Beam
You performed a calculation
11:19 am | 5/06/26
- EndAnchorage calculation - Beam
You performed a calculation
11:19 am | 5/06/26
- EndAnchorage calculation - Beam
You performed a calculation
11:19 am | 5/06/26
- Viewed calculation #885
You performed a calculation
11:19 am | 5/06/26
- Viewed project info for calculation #885
You performed a calculation
11:19 am | 5/06/26

Files/ Folders List

Production
Created: 05/05/2026

Search folder/ file [+ Create folder](#)

user has to create folder before going to any calculation design

Step 4 => select preferred language and create folder

Select preferred language

- vi Vietnamese
- us English ✓
- cn Chinese
- id Indonesian

Applications



Post-Installed Rebar

Launch



Chemical/Mechanical Anchor Bolt

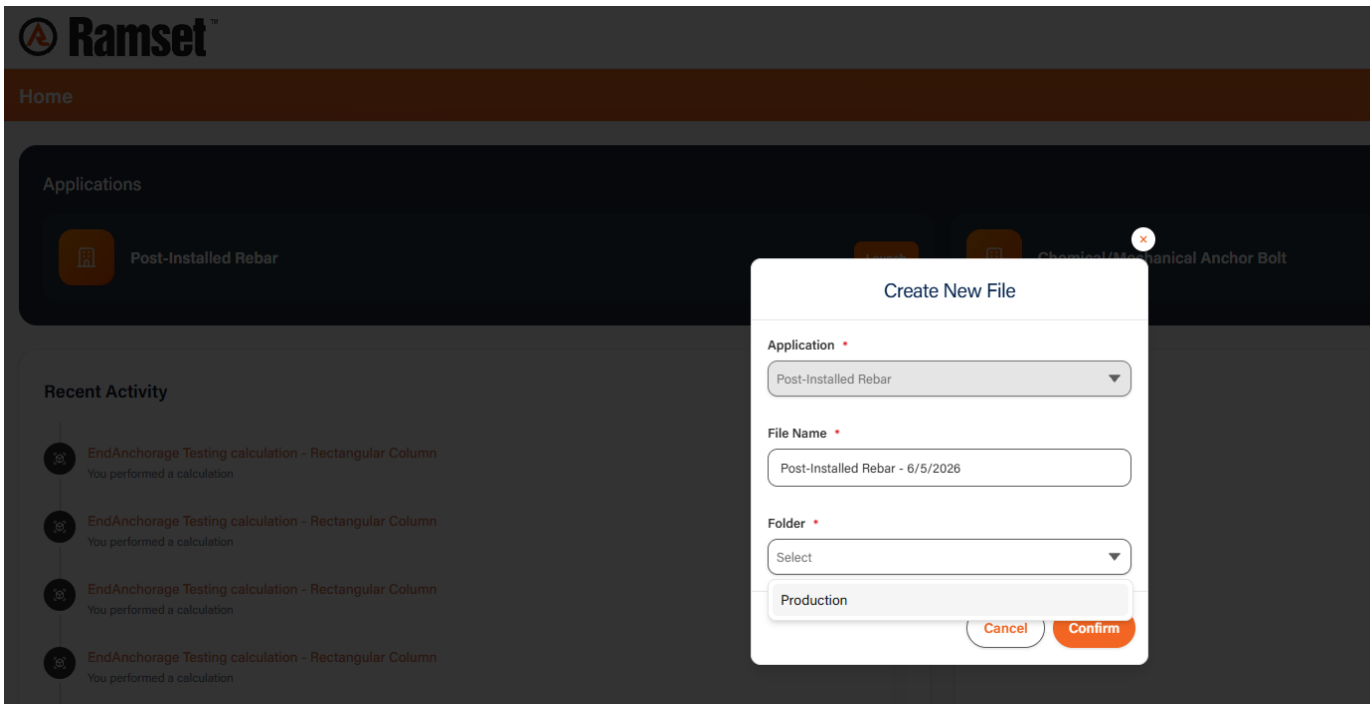
Launch

Recent Activity

Last 7 days

Learning Materials

Step 5 => click to launch Post-install rebar/ chemical....bolt to design for rebar or bolt



Step 6 => type the file name and select the folder that you want to save the calculation file

Files/ Folders List

[+ Create folder](#)

Production

Created: 05/05/2026

Step 7 => list of calculations is in the folder. User can create many folders to collect the calculations file

software has 3 modules to design

Name	Value
Lever arm	366.46 mm
Tension steel area	1885.00 mm ²
Compression steel area	942.50 mm ²
Total steel area	2827.40 mm ²
Reinforcement ratio	0.01
Min steel area	213.20 mm ²
Max steel area	8000.00 mm ²

Name	Value
Concrete capacity N _{Rdc}	404.23 kN
Concrete capacity n _{Rdsp}	81.39 kN
Tension drilling depth	356.40 mm
Compression drilling depth	252.61 mm

Step 8 => select the module that you want design

Post-Installed Rebar - 6/5/2026 / Epon G5 Xtrem

In-situ Testing

Lap Splice

Load Type: Static Design Method: TR069

Declaration Information

Concrete Type: Uncracked

Concrete Material

Concrete Thickness (T): 200 mm

Existing Concrete Type: C20/25

Drilling

Hole Type: Dry/Wet Hole

Drilling Method: Hammer Drilling

Connection Condition: Good

Working Life

31.41

500mm 500mm 500mm

Z Y X

click to " Save Calculation " before clicking "Generate Report (.PDF)" to get the PDF report

Generate Report (.PDF)

Save Calculation

Calculation Results

Results

Name	Value
Embedment depth	100.00 mm
Concrete cone block	32.80 kN
Chemical bond adhesion	30.37 kN
Steel yield limit	31.42 kN
Applied tension force	31.41 kN
Steel stress ratio vs yield strength	99.98 %

Step 9 => Select In-situ Testing for on-site pull-out testing.

Post-Installed Rebar - 6/5/2026 / Epon G5 Xtrem

for this module TR069 Method

Lap Splice

Fire Calculation Load Type: Static Design Method: TR069

Cracked Concrete Fire calculation time: R60

1. select design with fire or not

2. select the connection that you want

3. type the input data for infinite boundary, existing concrete....etc, and see the result on the right side of screen

Concrete Section Height (H): 500 mm

Concrete Section Width (B): 400 mm

Edge Cover Protection (To Steel Center)

Left/Right (SC) 40 mm

Top (TC) 40 mm Bottom (BC) 40 mm

Steel

Top 4 Layers Steel Diameter (TD): Ø20

Bottom 3 Layers Steel Diameter (BD): Ø20

Spacing Between Top Steel Layers

Layer 1 - 2 (T12) 100 mm

Layer 2 - 3 (T23) 100 mm

0 kNm

148.1 kNm

500mm

1000mm

Z Y X

Step 10 => TR069 design method

Generate Report (.PDF)

Save Calculation

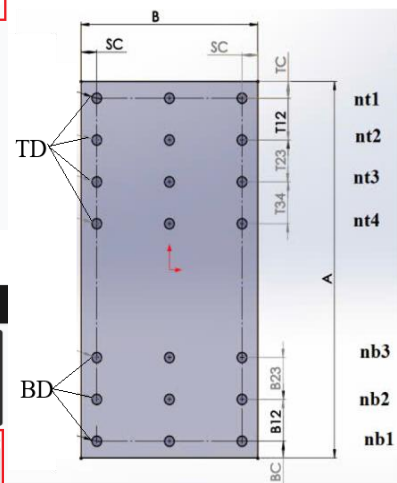
Calculation Results

Bar Forces

Steel Bar	Tension/Compression (kN)
#1	81.39
#2	81.39
#3	81.39
#4	53.32
#5	53.32
#6	53.32
#7	-36.51
#8	-36.51
#9	-36.51

Totals

Name	Value
Total tension in steel	404.14 kN
Total compression	-404.14 kN
Concrete compression	-294.62 kN



Declare the rebar for the beam and slab as shown in the figure. By default, the rebar arrangement supports a maximum of 7 layers (4 top layers and 3 bottom layers). If more rebar layers are required, use the "Add Rebar" (Free Rebar) function by entering the rebar coordinates (the center of the section has coordinates: (0, 0)).

How to draw rebar for beam connection

Fire Calculation | Load Type: Static | Design Method: TR069

Element Type: Infinite Boundary, Existing Concrete, **New Concrete**, Other Conditions

Shape 1: Width (b2) 400 mm, Height (h2) 1000 mm

Shape 2: Translation Vector of Shape 2 relative to Shape 1 (mm): X (dx) 1000, Y (dy) -300

Concrete Cover (a): 40 mm

Steel: Steel Bars by Direction: Top - Bottom (nx2)

T section | L section | cross section

20 kNm, 600 kNm, 800mm, 400mm, 1000mm, 400mm, 1500mm

The shape 1 cannot be translated, and the coordinate origin (0, 0) coincides with the center of Shape 1. By translating Shape 2 along the X-axis and Y-axis, we can create T, L, or cross sections.

Warnings: The two rectangular sections are disjoint or only touch at the boundary (cannot form a union block).

Calculation Results: Bar Forces

Steel Bar	Tension/Compression (KN)
#1	0.00
#2	0.00
#3	0.00
#4	0.00
#5	0.00
#6	0.00
#7	0.00
#8	0.00
#9	0.00
#10	0.00
#11	0.00
#12	0.00

How to draw geometry for T, L, and cross-section columns