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SEISLINK SOFTWARE USER MANUAL



LinkYapiSanayi



linkyapi



link-yapi-a-s

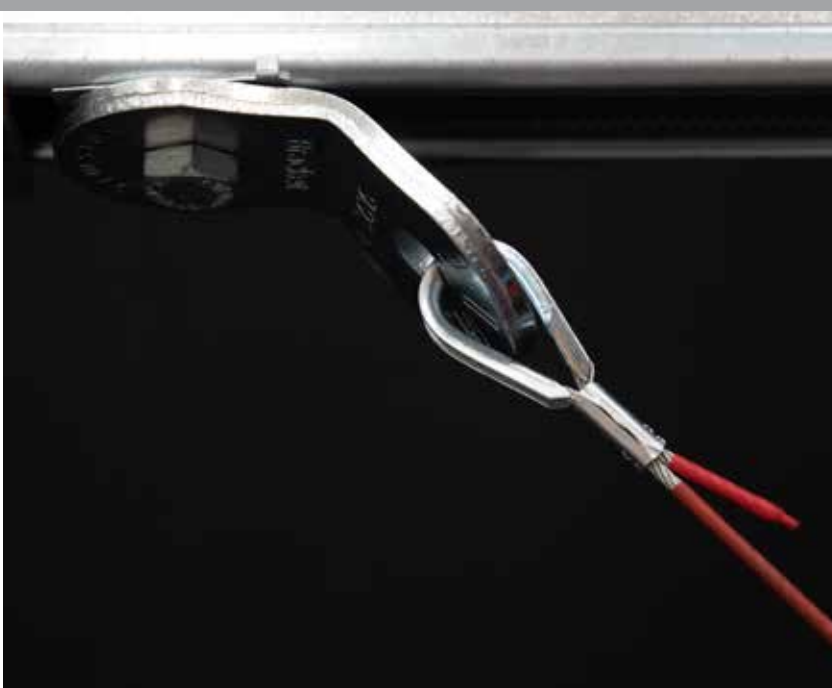


linkyapias



Link Academy





Our SEISLINK software using the guide
learn how to use.
Contact for more information and questions
You can reach us from our information.

Sign In



Sign In

E-mail

Password

☐ Remember Me

TR

Forget Password

Login

Register

EN

We can change the language of the program to English or Turkish from here.

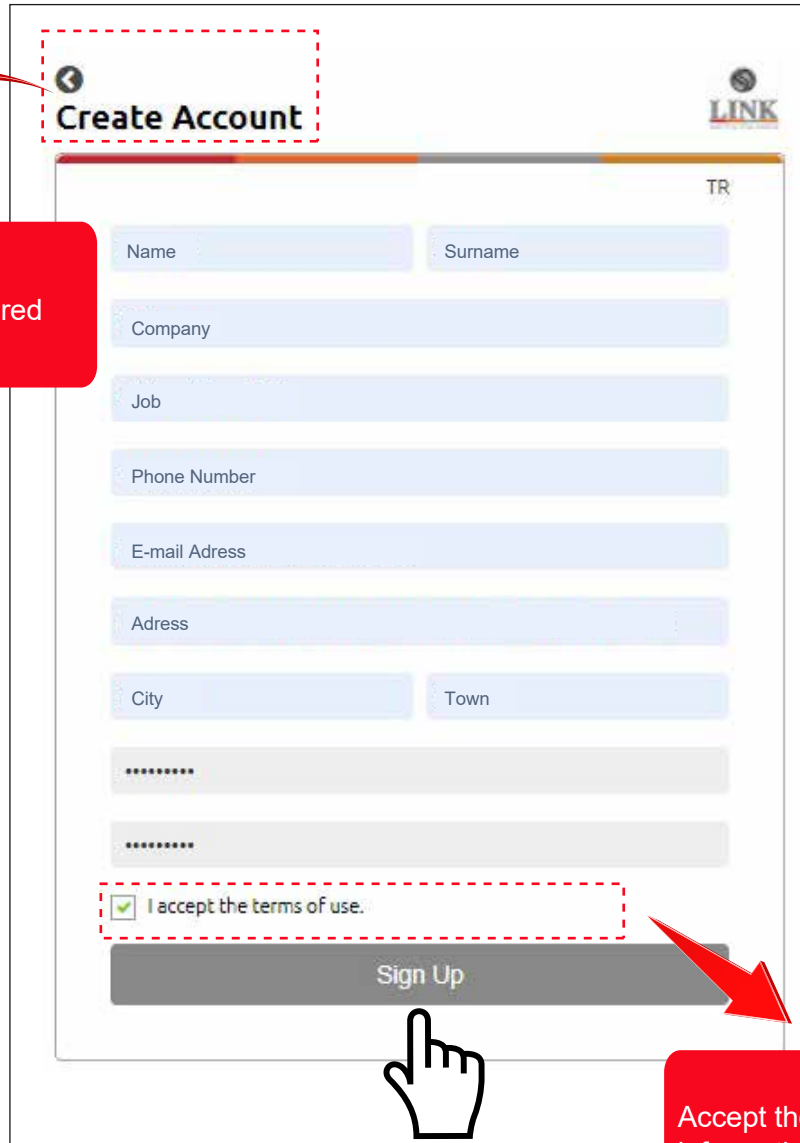
Forget Password

It allows you to get a new password when you forget your password.

Register

You can register your new member here.

Create New Account



Create Account

TR

Name Surname

Company

Job

Phone Number

E-mail Address

Adress

City Town

☒ I accept the terms of use.

Sign Up

Create Account

The required information is entered and the account is created.

Accept the button to confirm that the information given is

Need to create or update a Submittal?

Your place for creating seismic design and product submittal packages.
Start by creating a new project.

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Create New Project

Link Submittal Manager and SelsLink® Software
Your place for creating seismic design and product submittal packages. Start by creating a new project.

+ Create New Project

Create a new project for the seismic design.

Project name

Project address

Project country and the city

You can write your project notes if you have any.

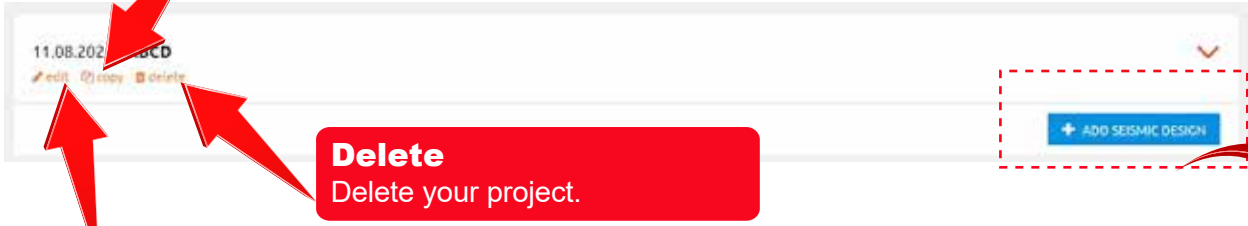
Project Information
ABCD
DEFG
TÜRKİYE İSTANBUL

Project Notes
Project information notes are not printed on the delivery documents. Please use the shipping information note fields for notes that need to be printed on the posts.
If you have, you can write your projects here.

< Project List Save



Seismic Design Setup



Copy
Copy new project.

Delete
Delete your project.

Edit
You can edit your project and information.

+Add Seismic Design
Create a new seismic design.



1. Seismic Design Setup
Enter information for your Seismic design below.

Seismic Design Name

NFPA 13-2019

Project Units
Project Units
Imperial (ft, in, lbs, lbf, psi)
Metric (m, mm, kg, kN, MPa)

Note
Use the note section to be specific about any special detailed information regarding this project submission.

Write your note here if you have any.

Choose the measurement module for your project

← Project List

Next

←Project List
Go back to your project list.

Seismic Coefficient Calculation

2. Brace Name & Seismic Coefficient (Cp)

Name your brace, enter a drawing reference and choose a method below for finding the Seismic Coefficient for your project.

IDENTIFY YOUR BRACE

Write your brace type.

Enter the DWG code of the installation.

FIND SEISMIC COEFFICIENT (Cp)

Pick a method that best suits your project needs.

☒ Enter Your Project's Ss Value (Per NFPA 13-2016 Table 9.3.5.9.3)

☐ Enter Your Project's Cp

Ss

Refer to the ASCE 7 Hazard Tool

Enter the Ss value of your project.

FIND SEISMIC COEFFICIENT (Cp)

Pick a method that best suits your project needs.

☐ Enter Your Project's Ss Value (Per NFPA 13-2016 Table 9.3.5.9.3)

☒ Enter Your Project's Cp

Cp


Enter the Cp value of your project.

Define Brace Type and Piping System


Please, select the seismic brace type for the zon which you specified.
Lateral, longitudinal and four-way brace should be select.

3. Define Brace Type and Piping System
Configure your main and branch lines below


DEFINE BRACE ORIENTATION
Select one type of brace



Lateral



Longitudinal



Nodal / 4-Way Brace

Define Main Line

	Pipe Size	Pipe Type	Pipe Length	Pipe Weight	Total Pipe Weight
Main	DN25	SCH10	100	2,69 kg/m	269 kg

Select the data the pipe diameter,
pipe type and fill the pipe length
belongs to your main line.

Add a Branch Line

ADD A BRANCH LINE

Select the data the pipe diameter, pipe type and fill the pipe length belongs to your branch line.

Total ZOI System Weight: 269 kg
 NFPA System Multiplier: 1.15
 ZOI System Design Weight, Wp: 309.35 kg
 ZOI Seismic Design Load, Fpw=Cp*Wp: 0 kg

DEFINE BRANCH LINE

	Pipe Size	Pipe Type	Pipe Length	Pipe Weight	Total Pipe Weight
A	DN40	SCH10	5	4.52 kg/m	22.6 kg

+ Add Segment

# of Branch Line	Branch Line Weight	Branch Line Total Weight
6	22.6	135.60000000000002

You can find the total branch line weight by entering number of the same branch line which keeps repeating in zone.

Define Structure Attachment & Pipe Attachment

4. Define Structure Attachment & Pipe Attachment

DEFINE THE STRUCTURE

Structure

Select

Select

Cracked Concrete

I-Beam / Bar Joist

Steel

We can define the information of the structure type where the seismic limiting products are installed.

Cracked Concrete: It should be chosen in cracked concrete structures.

I-Beam/Bar Joist: Should be chosen for assemblies to steel structures using beam clamps or bar joist.

Steel: It should be chosen for assemblies made with bolts at drilled steel structure.

Define Structure Attachment & Pipe Attachment

4. Define Structure Attachment & Pipe Attachment

DEFINE THE STRUCTURE

Structure

Cracked Concrete

Substrate

Select

Select

C20/25

C30/37

C40/50

C50/60

Choose the cracked concrete quality

DEFINE THE FASTENER

DEFINE THE FASTENER

Fastener Size

Select

Select

M10

M12

Select the diameter of the anchor.

Define The Brace Type

DEFINE THE BRACE TYPE

Maximum Length of
Brace

100

Brace Degree

45-59



l/r max



Brace Member

1 NPS



Enter the brace pipe information to be used
between rigid seismic products.

Brace Pipe Capacity **2737**
Least Radius of Gyration **14**



You can automatically see the gyration radius and capacity of
brace pipe according to the selected pipe diameter and length

Choose Your Structural Attachments

CHOOSE YOUR STRUCTURAL ATTACHMENTS

Choose	Fastener	Fastener Load Capacity	Swivel Connection, Size, Capacity
<input type="radio"/>	LTS M.12	1896	RSBE, 1" & 1 1/4", 1210
<input type="radio"/>	LTS M.12	1896	RSBA, 1 1/4", 1141

CHOOSE YOUR PIPE ATTACHMENTS

Choose	Pipe Attachment	Pipe Attachment Size	Pipe Attachment Capacity
<input type="radio"/>	RSBC.0025	RSBE, 1" & 1 1/4", kgf	1137 kN

[< Back](#)
[Save](#)

Select the anchor, structure attachment and pipe clamp type.

Define The Structural Attachment

DEFINE THE STRUCTURE

Structure: I-Beam / Bar Joist ▼

Substrate: Select ▼

Select

Beam Clamp

Bar Joist Clamp

Load orientation shows automatically.

DEFINE THE STRUCTURAL ATTACHMENT

Load Orientation: Along Beam

DEFINE THE BRACE TYPE

Maximum Length of Brace

100

Brace Degree

45-59 ▼

l/r max

100

Brace Member

1 NPS ▼

Brace Pipe Capacity
Least Radius of Gyration

2737

14

Enter the brace pipe information to be used between rigid seismic products.

You can automatically see the gyration radius and capacity of brace pipe according to the selected pipe diameter and length.

Choose Your Structural and Pipe Attachments

CHOOSE YOUR STRUCTURAL ATTACHMENTS

Choose	Fastener	Fastener Load Capacity	Swivel Connection, Size, Capacity
<input type="radio"/>	RSBI	498	RSBE, 1" & 1 1/4", 1210
<input type="radio"/>	RSBI	498	RSBA, 1 1/4", 1141

CHOOSE YOUR PIPE ATTACHMENTS

Choose	Pipe Attachment	Pipe Attachment Size	Pipe Attachment Capacity
<input type="radio"/>	RSBC.0025	RSBE, 1" & 1 1/4", kgf	1137 kN

[< Back](#)[Save](#)

Select the fastener, structure attachment and pipe clamp type.

DEFINE THE STRUCTURE

Structure

Steel

DEFINE THE FASTENER

Fastener Size

M12

Select

M10

M12



Select the bolt type.

DEFINE THE BRACE TYPE

Maximum Length of
Brace

100

Brace Degree

45-59

l/r max

100

Brace Member

1 NPS

Brace Pipe Capacity **2737**
Least Radius of Gyration **14**

You can automatically see the gyration radius and capacity of brace pipe according to the selected pipe diameter and length.



Enter the brace pipe information to be used between rigid seismic products

Choose Your Structural and Pipe Attachments

CHOOSE YOUR STRUCTURAL ATTACHMENTS

Choose	Fastener	Fastener Load Capacity	Swivel Connection, Size, Capacity
<input type="radio"/>	Steel Bolt M.12	2199.1	RSBE, 1" & 1 1/4", 1210
<input type="radio"/>	Steel Bolt M.12	2199.1	RSBA, 1 1/4", 1141

CHOOSE YOUR PIPE ATTACHMENTS

Choose	Pipe Attachment	Pipe Attachment Size	Pipe Attachment Capacity
<input type="radio"/>		RSBE, 1" & 1 1/4", kgf	NaN kN

Select the bolt, structure attachment and pipe clamp type.

Summary of Brace Configuration

It allows you to make corrections in the project you have created.

Download the report .

Select the some design from your project for create a report and submittal.

Summary of Brace Configuration

EDIT PROJECT: **ABCD**

Seismic Design Name	Brace Name	Drawing Reference	Seismic Design Load	Pipe Attachment Capacity	Structure	Fastener
ABCD	TRANSVERSE-1	B-001-01	670.092	2737.0	Steel	M12

← Project List

Download the report and submittal.

Create Report

Create Report + Submittal

[Download Report + Submittal + DWG]

Download the report, submittal and details (DWG format)

Project information

Seismic Bracing Calculations

Date: 17.08.2021

Project:	ABCD	Contractor:	tuncay murat	Drawing Reference:	B-001-01
Address:	/	[Telephone]:	05315104345	Approval:	FM Approved

Brace Information

Length of brace:	100
Diameter of brace:	1 1/1 4"
Type of brace:	SCH 40
Brace Degree:	45° - 59°
Least Radius of Gyration*:	14
L/r value*:	0
Maximum horizontal load:	2737

Fastener Information

Structure:	Cracked Concrete
Brace Orientation	Longitudinal
Brace ID	TRANSVERSE-1

Seismic Brace Attachments

Structure attachment fitting or tension-only bracing system

Brand: Link	Model: LTS M.12
Listed of rating: 2681	Adjusted load rating per: 1896

Swivel Connection fitting (where applicable):

Brand: Link	Model: RSBE
Listed of rating: 1711	Adjusted load rating per: 1210

Sway brace (pipe attachment) fitting:

Brand: Link	Model: RSBC.0025
Listed of rating: 1608	Adjusted load rating per: 1137

Seismic Brace Assembly Detail (Provide detail on plans)



☐ Lateral ☒ Longitudinal ☐ Riser / 4-Way Brace

Product brand, model and capacity information

SprinklerSystemLoadCalculation(F_{pwe}=C_pW_p)

C_p: 1.87

Pipe Size	Pipe Type	Pipe Length	Pipe Weight	Total Pipe Weight
DN25	SCH10	100	2.69	269
DN40	SCH10	5 x 6	4.52	135.6
Total ZOI System Weight:				0
NFPA System Multiplier:				1.15
ZOI System Design Weight, W _p				465.29
ZOI Seismic Design Load, F _{pwe} =C _p *W _p				870.09

System load calculations



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Türkiye'nin 355.
TASARIM MERKEZİ

Turkey's 355th Design Center

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