

Calculation basis/ supply basis

for Stabilix® R

Information marked with * is mandatory, all systems must be pre-measured by the customer as a rigid node, the customer receives information on the torsion spring stiffness as a basis for his deformation analyses.

General information

Customer/Company*			
Contact person*			
Postcode*		Place*	
Phone*		Fax	
E-mail*			
Building project*			

Project details

Country*		Address*	
Sea height [m]		Wind loads [kN/m²]	
Snow load [kN/m²]		Additional loads (e.g. crane track)	

Time of the customer enquiry* ☐ Execution phase ☐ Offer phase

Contact persons/project participants

(Data depending on offer/execution phase)

	Name	Telephone number	E-mail
Client			
Architect			
Structural engineer			
Project manager			
Building supervision (ÖBA)			
responsible building authority			

Planned execution period*

(Possibility of execution depending on lead and delivery times)

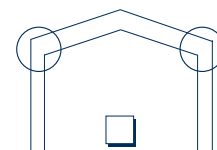
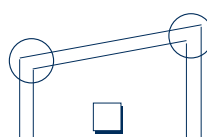
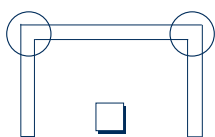
earliest	untill	at the latest
mm.yyyy		mm.yyyy

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Static system*

(Options for using Stabilix R)



System details*

Number of required nodes*	pc.	(a knot with Stabilix R consists of 2 lugs including screws)
Wood quality (e.g. GL24h, GL32h...)*		

Dimensions Designation*		
	Width[cm]	Height [cm]
Support (stem)	(B _s)	(H _s)
Carrier (latch)	(B _v)	(H)
Canopy roof length	[cm]	

Beam inclination/DN*			(Area 2 for three-hinged frame system)
Area 1	α 1	(Grad)	
Area 2	α 2	(Grad)	
Support bleed angle	β	(Grad)	

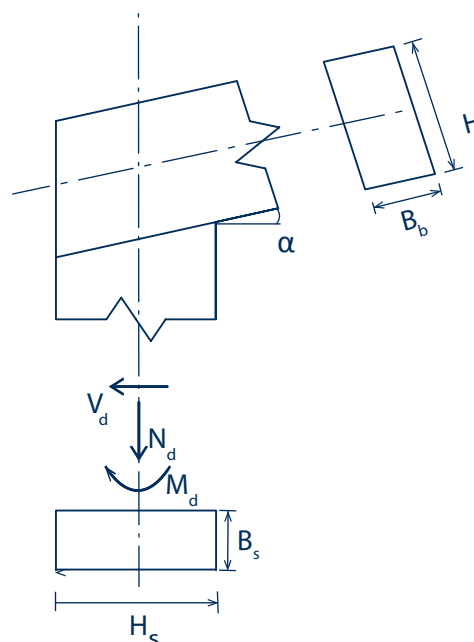
Dimensioning data*	
Utilisation class	
Modification coefficient K _{mod}	

Rated values nodes*			
Load case	N _d	V _d	M _d
LF1 max. negative torque	(kN)	(kN)	(kNm)
LF2 max. positive torque	(kN)	(kN)	(kNm)
LF3 additional load case	(kN)	(kN)	(kNm)

Existing documents

(Information depending on the offer/execution phase)

	Yes	No
Drafts	☐	☐
Submission plan	☐	☐
Implementation plan	☐	☐
Construction details	☐	☐
CAD files	☐	☐
Preliminary measurements	☐	☐
Other static data	☐	☐



*Please fill in completely. Otherwise no assessment can be carried out!

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Leitbetrieb Leitbetrieb
Österreich Deutschland

General provisions for Stabilix® R projects*

Cost estimate / offer

In order to carry out an exact dimensioning of the Stabilix® R frame corner system, the listed parameters, which are marked with *, must be filled in. If this is not yet possible at the time of the enquiry, SIHGA will prepare a cost estimate.

A binding offer can only be made after the required parameters have been entered.

This document forms the basis of the cost estimate or quotation.

In order to calculate the design values for the Stabilix® R node, a rigid node must be used in the client's preliminary design (rigid corner).

Should the parameters entered here change before execution, SIHGA reserves the right to revise the offer again before execution and to have the revised offer re-commissioned by the client.

Dimensioning / statics

For Stabilix® R projects, SIHGA only designs the individual nodes (see point static system), not the entire structure or other nodes that have to be additionally released during the construction of the structure.

After the nodal design, the client receives information on the torsional stiffness of the system from SIHGA. The client must use these values to perform the necessary deformation and stability analyses for the frame system.

Design / Assembly

SIHGA provides the customer with assembly instructions for installation, according to which the brackets and screws are to be processed. The reason for this is to avoid pre-damage to the screws in relation to unwanted pre-loading due to bending moments or similar.

If the customer wishes to install the system according to a different sequence scheme, this must be clarified with SIHGA Technik in advance in order to avoid any damage to the connection.

In addition, the General Terms and Conditions of SIHGA, Ohlsdorf bei Gmunden, place of jurisdiction 4600 Wels, Upper Austria, shall apply.

Place, date

Signature of client

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