

DECLARACIÓN CE DE CONFORMIDAD EC DECLARATION OF CONFORMITY



El fabricante:
The manufacturer:

GUIL®

GUIL Accesorios Música S.L.

P.I. La Creu C/ Ismael Tomás Alacreu, 28
46250 L'Alcúdia –Valencia – SPAIN

Declara que el modelo:
Declares that the model: Torre para la elevación de equipos Line Array / *Line Array Tower*

Ref.	Carga Máx. / <i>Max. Weight</i>	Altura Máx. de Trabajo / <i>Max. Working Height</i>
TMD-570	800 kg	8.00 m

Cumple con los requerimientos de las siguientes normativas:
Complies with the requirements according to the following standards:

- **Directive 2006/42/CE**
- **EN 13814**
- **EN 17206**
- **DGUV Regulations 17 & 18**
- **DGUV Rule 115-002**

La persona facultada para elaborar el expediente técnico es:
The qualified person to create the technical report is:

Salvador Gascó García
P.I. La Creu C/Ismael Tomás Alacreu, 28
46250 – L'Alcúdia, Valencia (SPAIN)

Este producto ha sido sometido a los controles de seguridad y pruebas de resistencia realizadas en la fábrica de producción.
This product has been submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory.

Firmado:
Signed:


E-896498829
P.I. LA CREU C/ ISMAEL TOMAS ALACREU, 28
46250 L'ALCUDIA (VALENCIA) SPAIN
Tel. + 34 962996500 Fax. + 34 962540833
www.guil.es info@guil.es sales@guil.es

Fecha de emission:
Issued on: **10/02/2022**

Eduardo Hinarejos Chinchilla
(Director general / *General manager*)

El presente certificado es válido salvo suspensión o retirada notificada con tiempo.
This Certificate is valid unless it is cancelled or withdraw upon written notification.

Ingenieure für Ihre Visionen

- Zuverlässig
- Sicher
- Schnell

EXPO
Engineering

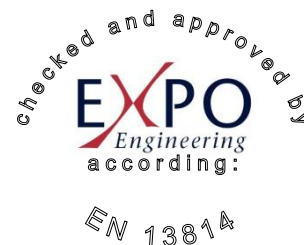
Statische Berechnung

Static Analysis

Datum: 17.03.2020
Lieferschein-Nr.: 2020031703
Kunden-Nr.: 53027
Sachbearbeiter/-in: Philip Ottenottebrock

Auftraggeber: GUIL S.L.
Customer: P.I. La Creu C/ Ismael Tomás Alacreu,
28-30
46250 L'ALCÚDIA (VALENCIA) SPAIN
SPANIEN

Projekt: 2020-0048
Project: TMD-570



Nur gültig und rechtsverbindlich als Original mit Stempel und Unterschrift - Kopien sind rechtswidrig!
Only valid and binding as an original document with stamp and signature - copies are illegal!

Expo Engineering GmbH
Suerkamp 14
D-59302 Oelde
Fon: +49 (0) 2520-93162-0
Fax: +49 (0) 2520-93162-210
www.expo-engineering.de

Hand out - TMD 570 is checked and approved by Expo Engineering according:

Basics of construction engineering:

- DIN EN 1991 – Eurocode 1: Actions on structures (12/2010)
- DIN EN 1993-1 Eurocode 3: Design of steel structures (12/2010)
- DIN EN 1999-1 Eurocode 9: Design of aluminum structures (05/2010)
- DIN EN 13814 Fairground and amusement park machinery and structures (2005-06)

Accident prevention regulation:

- DGUV commandment 17 (BGV C1): Veranstaltungs- und Produktionsstätten für szenische Darstellungen (04/1998)

Terms for safe use:

- The construction is checked for wind speed up to 8 Beaufort. In the event severe weather warnings of wind speeds greater than 8 Beaufort (17,8 m/s or 64,08 km/h), lower the load and completely disassemble the tower. It is recommended to operate a wind measuring system at the top of the tower.
- Stiffeners for lateral support of the pressure bars must be installed. A total of 3 pieces at a max height with 5 truss elements (5x1,50m).
- The Tower load must not exceed the following values:
live load max. : **800,0 kg**

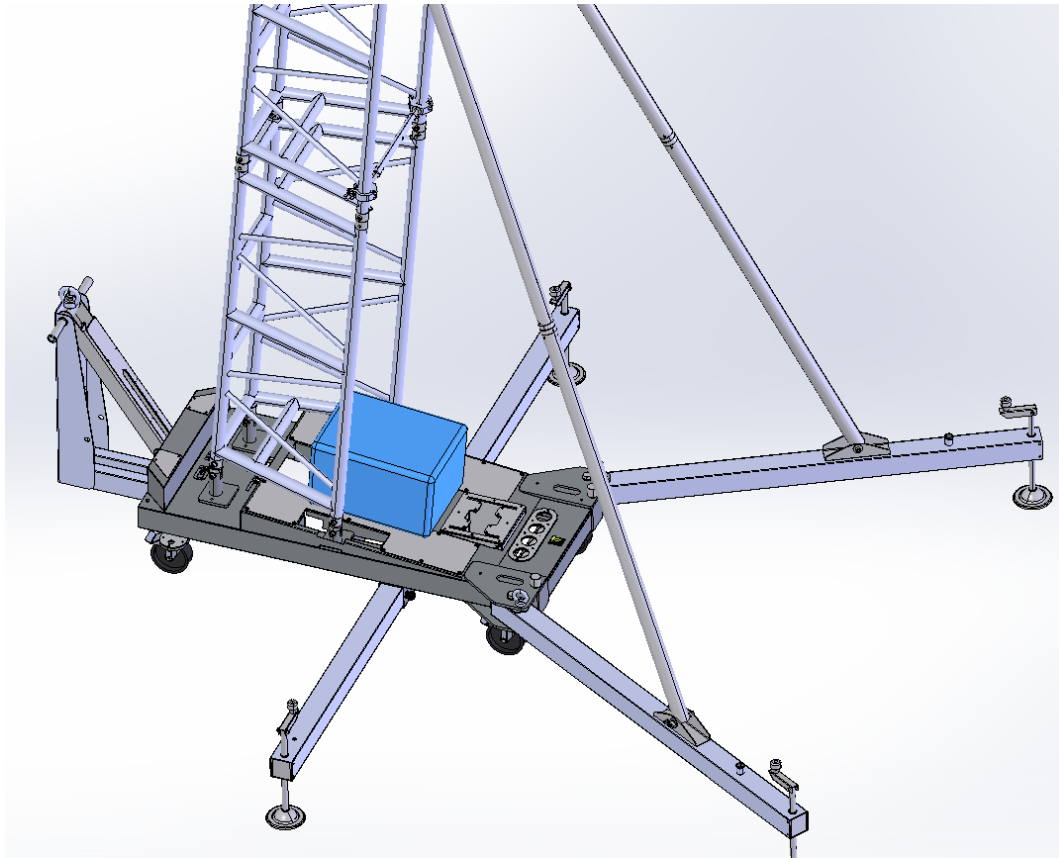
Wind effected area	Tower height	max. 8,1 m
PA Front	: $A_{Front,PA}$	= 4,0 m²
PA sideways	: $A_{Side,PA}$	= 2,5 m²

- In service state with the max. wind effected areas, counter weights needs to be placed on structure.
height max. 8,1 m : Counter weight 800,0 kg - weight of PA

These Ballast must be increased if the live load is different to the max. load. example: live load 500,0 kg (h =8,1 m)
counter weight: 800 - 500 = 300,0 kg

- These weights can be modified according the wind affected areas.
- The calculation of both these changes to variables can be done using the Excel-sheet- TMD-570. Contact manufacturer for this.

- **Anchoring by weight anchors (ballast)**



Ballast must be placed direct on the Base frame.

- The structure must be placed on flat ground with sufficient load capacity. For bad ground condition, levelling / pressure spreading activities must be carried out by the user for each individual set-up case. All spindles must be in contact with the ground. Spindles must be set up on pieces of wood (necessary friction factor).
- The construction must be protected against impact.
- Make sure all connections of the tower and also the load cannot become loose.
- The load is secured at the front attachment point of the head section.