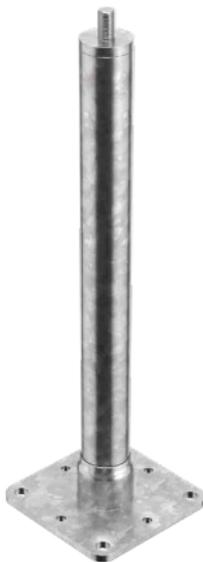


## TOWER - TOWER22 - TOWER A2 INSTALLATION MANUAL



C20/25



S235JR



GL24H



CLT



EN 795:2012 A+C+D  
CEN/TS 16415:2013 A+C+D  
UNI 11578:2015 A+C+D  
AS/NZS 1891.2:2001



AS 5532:2025



read also:



**TOWER**  
Installation  
Manual

+



**TOWER**  
Safety  
Regulations

=



EN  
795:2012  
A + C + D

CEN/TS  
16415:2013  
A + C + D

UNI  
11578:2015  
A + C + D

AS  
5532:2025

AS/NZS  
1891.2:2001



TOWER  
Installation  
Manual



TOWER  
Safety  
Regulations

## TOOLS



SELF-LOCKING NUT <sup>(1)</sup>

<sup>(1)</sup> ROTHOBLAAS VINYL ESTER CHEMICAL ANCHOR WITHOUT STYRENE  
<sup>(2)</sup> SELF-LOCKING NUT (FOLLOW ITS MAINTENANCE MANUAL)

## SAFETY INSTRUCTIONS

- IT** L'installazione e/o utilizzo del prodotto Rotho Blaas è permessa solo a personale esperto previa lettura e comprensione del **1** **MANUALE D'INSTALLAZIONE** e delle **2** **NORME DI SICUREZZA** nella lingua del relativo Paese di utilizzo.
- DE** Die Installation und/oder die Verwendung des Produkts von Rotho Blaas ist ausschließlich Fachpersonal vorbehalten, nachdem es das **1** **INSTALLATIONSHANDBUCH** und die **2** **SICHERHEITSVORSCHRIFTEN** in der Sprache des Verwendungslandes gelesen und verstanden hat.
- EN** Only qualified personnel may install and/or use this Rotho Blaas product, after reading and understanding the **1** **INSTALLATION MANUAL** and the **2** **SAFETY REGULATIONS**, in the language of the country of use.
- ES** La instalación y/o el uso del producto Rotho Blaas solo están permitidos al personal experto después de haber leído y comprendido el **1** **MANUAL DE INSTALACIÓN** y las **2** **NORMAS DE SEGURIDAD** en el idioma del país en el que se utiliza.
- FR** Seul le personnel expérimenté peut installer et/ou utiliser ce produit Rotho Blaas, après avoir lu et compris le **1** **MANUEL D'INSTALLATION** et les **2** **NORMES DE SÉCURITÉ** dans la langue du pays où le produit est utilisé.
- PT** A instalação e/ou utilização do produto Rotho Blaas só é permitida a pessoal especializado após a leitura e compreensão do **1** **MANUAL DE INSTALAÇÃO** e das **2** **NORMAS DE SEGURANÇA** na língua do respetivo país onde será utilizado.
- RU** К установке и (или) использованию продукции Rotho Blaas допускается только высококвалифицированный персонал после обязательного прочтения и усвоения **1** **РУКОВОДСТВО ПО УСТАНОВКЕ** и **2** **ПРАВИЛ ТЕХНИКИ БЕЗОПАСНОСТИ** на языке соответствующей страны использования.
- CS** Instalace a/nebo použití výrobku Rotho Blaas je povoleno pouze odborným osobám po přečtení a pochopení **1** **NÁVODU K INSTALACI** a **2** **BEZPEČNOSTNÍCH PŘEDPISŮ** v jazyce příslušné země použití.
- DA** Kun kvalificeret personale må installere og/eller bruge dette Rotho Blaas-produkt efter at have læst og forstået den **1** **INSTALLATIONSMANUALEN** og **2** **SIKKERHEDSFORSKRIFTERNE** på brugerens sprog.
- EL** Η εγκατάσταση ή/και η χρήση του προϊόντος Rotho Blaas επιτρέπεται μόνο σε έμπειρο προσωπικό που έχει διαβάσει και κατανοήσει τις **1** **ΕΓΧΕΙΡΙΔΙΟ ΕΓΚΑΤΑΣΤΑΣΗΣ** και τους **2** **ΚΑΝΟΝΙΣΜΟΥΣ ΑΣΦΑΛΕΙΑΣ** στη γλώσσα της σχετικής χώρας χρήσης.
- ET** Antud Rotho Blaasi toodet tohib paigaldada ja / või kasutada ainult kvalifitseeritud personal, kes on lugenud kasutamise riigi keeles **1** **PAIGALDUSJUHENDIS** ja **2** **OHUTUSEESKIRJU** ning nendest aru saanud.
- FI** Tämän Rotho Blaas -tuotteen asennus ja/tai käyttö on sallittu vain asiantuntevan henkilöstön toimesta sen jälkeen, kun he ovat lukeneet ja ymmärtäneet **1** **ASENNUSOHJEIDEN** ja **2** **TURVALLISUUSMÄÄRÄYKSET** käyttömaan kielellä.
- HR** Postavljanje i/ili uporaba proizvoda Rotho Blaas dopuštena je samo stručnom osoblju koje je prethodno pročitalo i razumjelo **1** **UPUTA ZA MONTAŽU** kao i **2** **PROPISE O SIGURNOSTI** na jeziku zemlje uporabe.
- HU** A Rotho Blaas termék kizárólag hozzáértő személyzet szerelheti be és/vagy használhatja, az adott országnak megfelelő nyelven **1** **TELEPÍTÉSI KÉZIKÖNYV** és **2** **BIZTONSÁGI SZABÁLYOK** elolvasása és megértése után.

## INFORMATION

Type

**Rothoblaas**

**TOWER - TOWER22 - TOWERA2**

Related standard(s)

**EN 795:2012 A+C+D**

**CEN/TS 16415:2013**

**UNI 11578:2015 A+C+D**

**AS 5532:2025**

**AS/NZS 1891.2:2001**

Maximum number of users

**4 users**

Name or logo of manufacturer/  
distributor

**ROTHOBLAAS**

Serial number and year of  
manufacture

**XXXX**

**MM/YYYY**

(XXXX = lot number,

MM = month /YYYY = year)



## SAFETY INSTRUCTIONS

**IS** Aðeins þjálfað starfsfólk má setja upp og/eða nota þessa Rotho Blaas-vöru eftir að hafa lesið og skilið **1 UPPSETNINGARHANDBÓKAR** og **2 REGLUGERDIR UM ÖRYGGI** á tungumáli þess lands sem varan er notuð í.

**LT** Produkta „Rotho Blaas“ montuoti ir (arba) naudoti leidžiama tik patyrusiam personalui, prieš tai perskaičius ir supratęs **1 MONTAVIMO DAVOVE** ir **2 SAUGOS TAISYKLES** atitinkamos šalies, kurioje eksploatuojama, kalba.

**LV** Rotho Blaas produkta uzstādīšana un/vai lieošana ir atļauta tikai pieredzējušam darbiniekam pēc: **1 UZSTĀDĪŠANAS ROKASGRĀMATĀ** un **2 DROŠĪBAS NĒTEIKUMU** izlasīšanas un izpratnes attiecīgās valsts valodā, kurā produkts tiks lietots.

**NL** De installatie en/of het gebruik van het product Rotho Blaas is voorbehouden aan uitsluitend vakbekwaam personeel dat de **1 INSTALLATIEHANDLEIDING** en de **2 VEILIGHEIDSVORSCHRIFTEN** in de taal van het land van gebruik gelezen en begrepen heeft.

**NO** Dette Rotho Blaas-produktet skal bare installeres og/eller brukes av kvalifisert personell som har lest og forstått **1 INSTALLASJONSHÅNDBOKEN** og **2 SIKKERHETSFORSKRIFTENE**, på det språket som brukes i landet produktet anvendes.

**PL** Instalacji i/lub użytkowania produktu Rotho Blaas może dokonać wyłącznie doświadczony personel, który przeczytał i zrozumiał **1 INSTRUKCJI INSTALACJI** oraz normy **2 BEZPIECZEŃSTWA** w języku kraju użytkowania.

**RO** Instalarea și/sau utilizarea produsului Rotho Blaas este permisă numai personalului expert, după ce a citit și înțeles **1 MANUALUL DE INSTALARE** și **2 NORMELE DE SIGURANȚĂ** în limba țării de utilizare a produsului.

**SK** Inštalácia a/alebo používanie produktu Rotho Blaas je povolené len skúsenému personálu po predchádzajúcom prečítaní a pochopení **1 NÁVODE NA INŠTALÁCIU** a **2 BEZPEČNOSTNÝCH NORIEM** v jazyku príslušnej krajiny používania.

**SL** Ta proizvod Rotho Blaas lahko namesti in/ali uporablja samo izkušeno osebe, ki je prebralo in razume vse **1 NAVODILIH ZA VGRADNJO** in **2 VARNOSTNE PREDPIS** v jeziku države njegove uporabe.

**SV** Endast erfaren personal får installera och/eller använda den här Rotho Blaas-produkten efter att **1 INSTALLATIONSANVISNINGARNA** och **2 SÄKERHETSFORESKRIFTER** har lästs igenom på språket i installationslandet.

**TR** Sadece yetkili personel **1 KURULUM KILAVUZUNDA** ve **2 GÜVENLİK MEVZUATINI** (2) ürünün kullanıldığı ülke dilinde okuyup anladıktan sonra Rotho Blaas ürününü kurabilir ve/veya kullanabilir.

**JA** Rotho Blaas製品の施工および使用は、資格を有する専門家のみに許可されています。施工および使用の前に、必ず使用する国の言語で**1設置マニュアル**と**2安全規則**をお読み下さい。

**ZH** 只有具备合格资质的人员在阅读并理解以使用国的语言编写的**1安装手册**和**2安全规程**后才能安装和/或使用该Rotho Blaas产品。

**AR** يمكن فقط للذين المؤهلين باستخدام أو تركيب منتج Rotho Blaas بعد قراءة وفهم دليل التثبيت **1** نظراً السلامة **2** بلغة البلد المستخدم فيها المنتج.

## PRODUCT INFORMATION



TOWER - TOWER22



TOWERA2



EN 795:2012 A+C+D  
CEN/TS 16415:2013 A+C+D  
UNI 11578:2015 A+C+D  
AS/NZS 1891.2:2001



AS 5532:2025



EN 795:2012 A+C+D, CEN/TS 16415:2013, UNI 11578:2015 A+C+D

rothoblaas TOWER XXXXX  
MM/YYYY

EN 795:2012 A+C+D, CEN/TS 16415:2013, UNI 11578:2015 A+C+D

rothoblaas TOWER22 XXXXX  
MM/YYYY

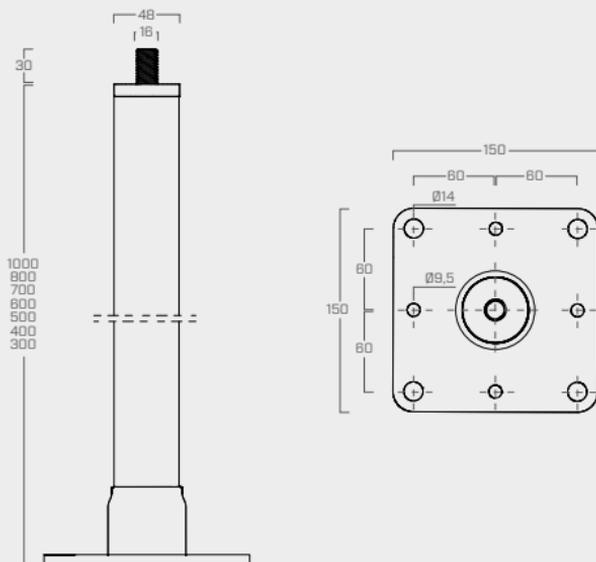
EN 795:2012 A+C+D, CEN/TS 16415:2013, UNI 11578:2015 A+C+D

rothoblaas TOWERA2 XXXXX  
MM/YYYY



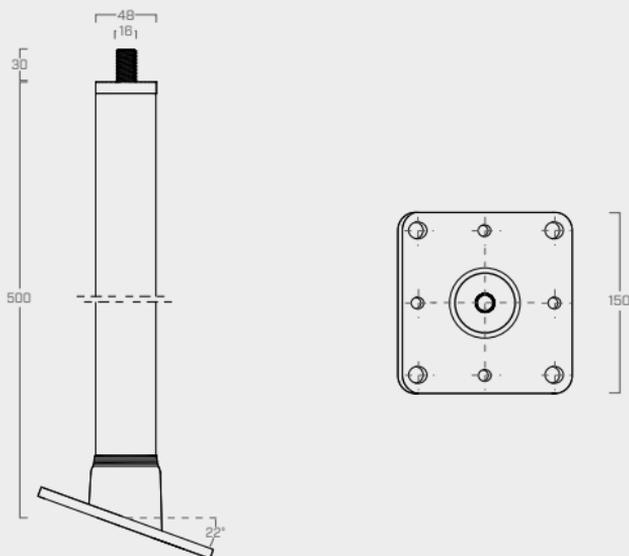
## TOWER - TOWER A2 DIMENSIONS

TOWER300 - TOWER400 - TOWER500 - TOWER600 - TOWER700 - TOWER800 - TOWER1000 -  
TOWERA2300 - TOWERA2400 - TOWERA2500



## TOWER22 DIMENSIONS

TOWER22500



## LOAD TEST MODEL TOWER - TOWER A2

TOWER300 - TOWER400 - TOWER500 - TOWER600 - TOWER700 - TOWER800 - TOWER1000 -  
TOWERA2300 - TOWERA2400 - TOWERA2500

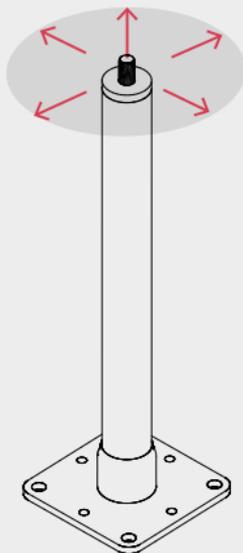
**IT** ⚠ Verificare idoneità statica del sottofondo di montaggio!

**DE** ⚠ Die statische Eignung des Montageuntergrundes sicherstellen!

**EN** ⚠ Check the static suitability of the installation substrate!

**ES** ⚠ ¡Compruebe la idoneidad estática del sustrato de montaje!

**FR** ⚠ Vérifier l'adéquation statique du substrat d'assemblage!



## LOAD TEST MODEL TOWER22

TOWER22500

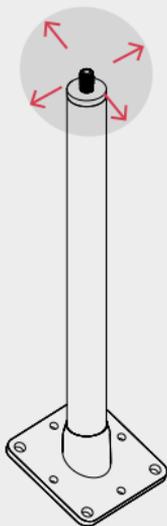
**IT** ⚠ Verificare idoneità statica del sottofondo di montaggio!

**DE** ⚠ Die statische Eignung des Montageuntergrundes sicherstellen!

**EN** ⚠ Check the static suitability of the installation substrate!

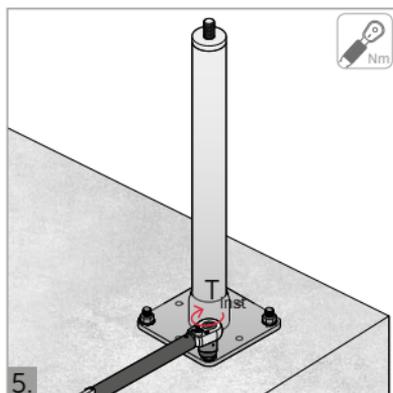
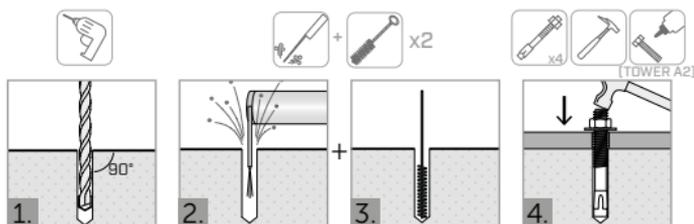
**ES** ⚠ ¡Compruebe la idoneidad estática del sustrato de montaje!

**FR** ⚠ Vérifier l'adéquation statique du substrat d'assemblage!

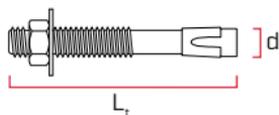
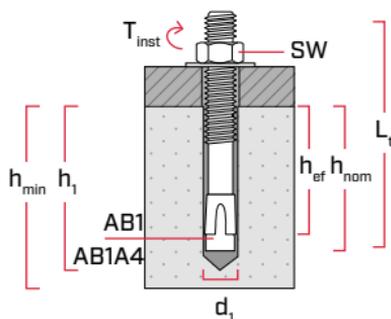


# TOWER - TOWER A2 - TOWER22 CONCRETE SUBSTRUCTURE

TOWER300 - TOWER400 - TOWER500 - TOWER600 -  
TOWER700 - TOWER800 - TOWER1000 - TOWERA2300 -  
TOWERA2400 - TOWERA2500 - TOWER22500



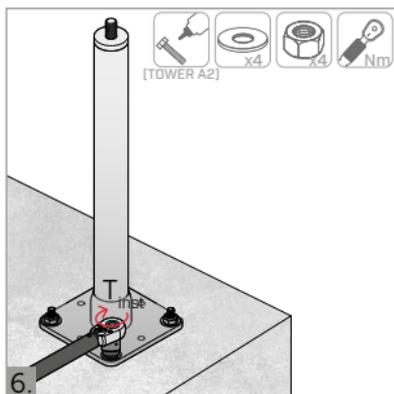
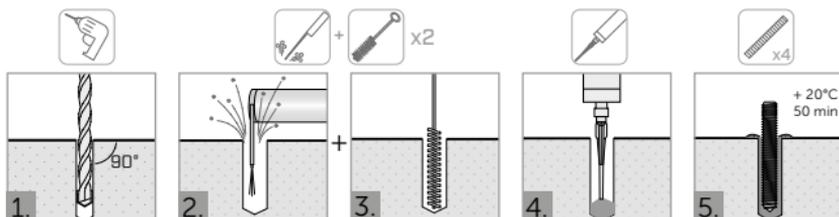
AB1/AB1A4



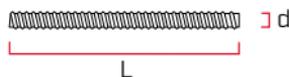
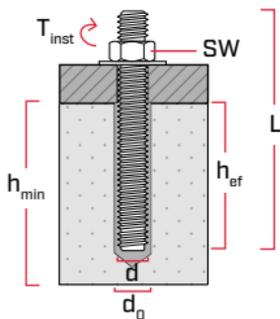
$d$	$= d_1 = M12$	$h_{\text{eff}} \geq 70$ mm
$L_t$	$\geq 118$ mm	$SW = 19$ mm
$h_1$	$\geq 90$ mm	$T_{\text{inst}} = 70$ Nm
$h_{\text{nom}}$	$\geq 81$ mm	$h_{\text{min}} \geq 140$ mm

# TOWER - TOWER A2 - TOWER22 CONCRETE SUBSTRUCTURE

TOWER300 - TOWER400 - TOWER500 - TOWER600 -  
TOWER700 - TOWER800 - TOWER1000 -  
TOWERA2300 - TOWERA2400 - TOWERA2500 -  
TOWER22500



M12 - 5.8 min/A2



$70 \leq h_{ef} \leq 240 \text{ mm}$	
$h_{min} \geq h_{ef} + 30 \text{ mm}$	
$L \geq h_{ef} + 20 \text{ mm}$	
$h_{min} \geq 140 \text{ mm}$	SW = 19 mm
$d_o = 14 \text{ mm}$	$T_{inst} = 40 \text{ Nm}$
$d = 12 \text{ mm}$	$L \geq 140 \text{ mm}$

# TOWER - TOWER A2 - TOWER22 CONCRETE SUBSTRUCTURE

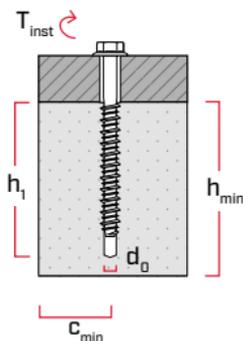
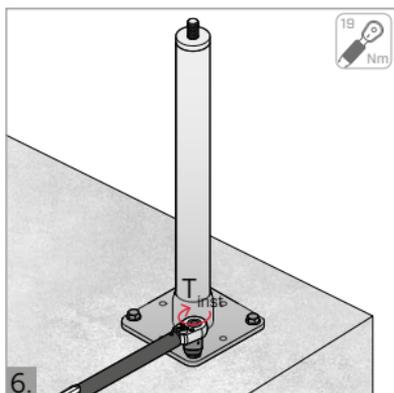
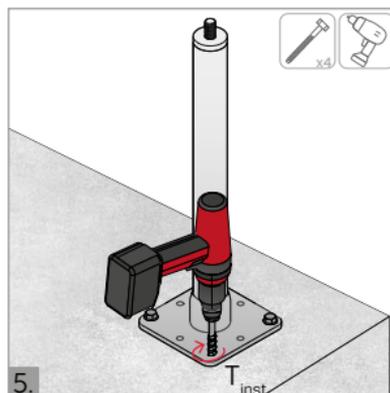
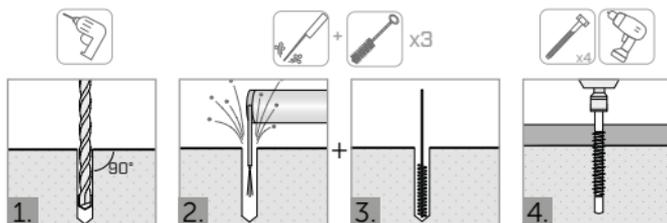
TOWER300 - TOWER400 - TOWER500 - TOWER600 -  
TOWER700 - TOWER800 - TOWER1000 - TOWERA2300 -  
TOWERA2400 - TOWERA2500 - TOWER22500



C20/25



SKR

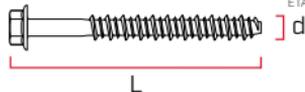


M12 - 5.8 min/A2



SKR

ETA-18/0279  
ETA-18/0100



d	=	12 mm	d <sub>0</sub>	=	10 mm
L	=	90 mm	h <sub>1</sub>	=	100 mm
T <sub>inst</sub>	=	80 Nm	h <sub>min</sub>	≥	130 mm
			c <sub>min</sub>	≥	96 mm

# TOWER - TOWER A2 - TOWER22 GL24H SUBSTRUCTURE

TOWER300 - TOWER400 - TOWER500 - TOWER600 -  
TOWER700 - TOWER800 - TOWER1000 - TOWERA2300 -  
TOWERA2400 - TOWERA2500 - TOWER22500



GL24H

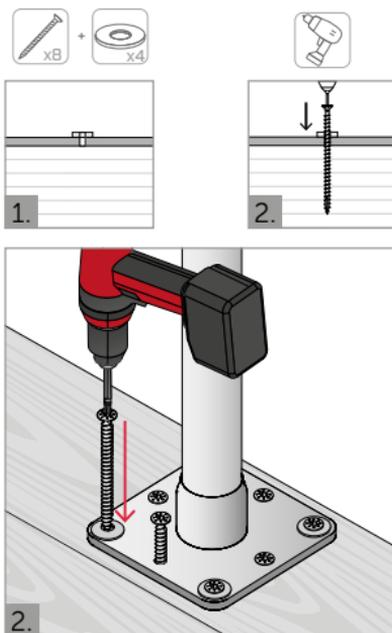


x8  
VGS

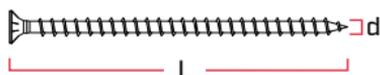
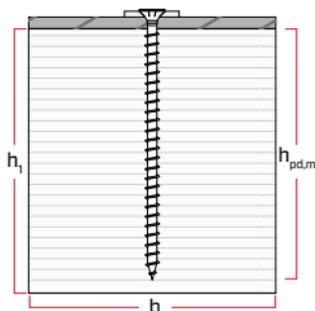


x4  
ULS

INCLUDED IN BEF201VGS



VGS 9 x L mm



$h_1$	$\geq$	160 mm	$h_{pd,min}$	$\geq$	150 mm
$d$	$=$	9 mm	$h_1$	$\geq$	$h_{pd,min}$
$L$	$\geq$	160 mm	$b$	$\geq$	160 mm

## TOWER - TOWER A2 - TOWER22 CLT SUBSTRUCTURE

TOWER300 - TOWER400 - TOWER500 - TOWER600 -  
TOWER700 - TOWER800 - TOWER1000 - TOWERA2300 -  
TOWERA2400 - TOWERA2500 - TOWER22500



CLT

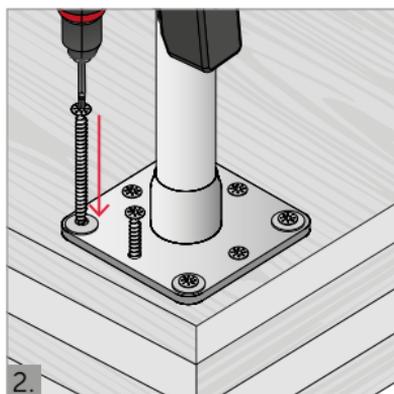
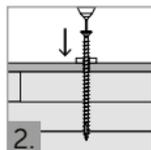
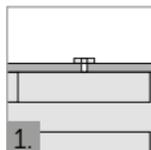


VGS  
x8

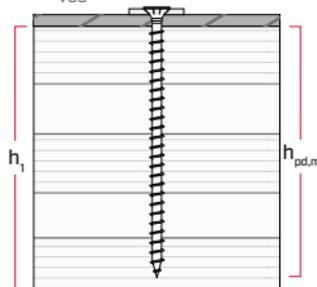


ULS  
x4

INCLUDED IN BEF202VGS



VGS



VGS 9 x L mm



VGS  
VGS EVO  
ETA-11/0030

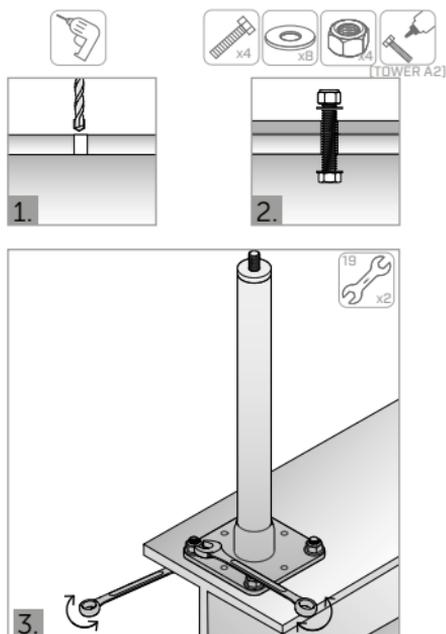


$h_1$	$\geq$	200 mm	$h_{pd,min}$	$\geq$	190 mm
$d$	$=$	9 mm	$h_1$	$\geq$	$h_{pd,min}$
$L$	$\geq$	200 mm			

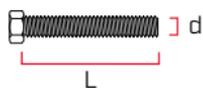
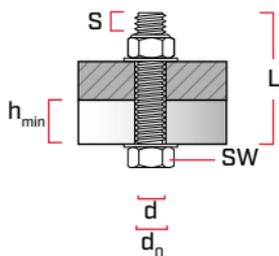
# TOWER - TOWER A2 - TOWER22

## STEEL SUBSTRUCTURE

TOWER300 - TOWER400 - TOWER500 - TOWER600 -  
TOWER700 - TOWER800 - TOWER1000 - TOWERA2300 -  
TOWERA2400 - TOWERA2500 - TOWER22500



M12 - 8.8 min/A2-A4



$d = 12 \text{ mm}$	$SW = 19 \text{ mm}$
$d_0 = 12,5 \text{ mm}$	$s \geq 2 \text{ mm}$
$L \geq 35 \text{ mm}$	
$L \geq h_{min} + 25 \text{ mm}$	
$h_{min} \geq 6 \text{ mm}$	

## TOWER - TOWER A2 + TOWERPEAK WOOD SUBSTRUCTURE

TOWER300 - TOWER400 - TOWER500 - TOWER600 -  
TOWER700 - TOWER800 - TOWER1000 - TOWERA2300 -  
TOWERA2400 - TOWERA2500



GL24H



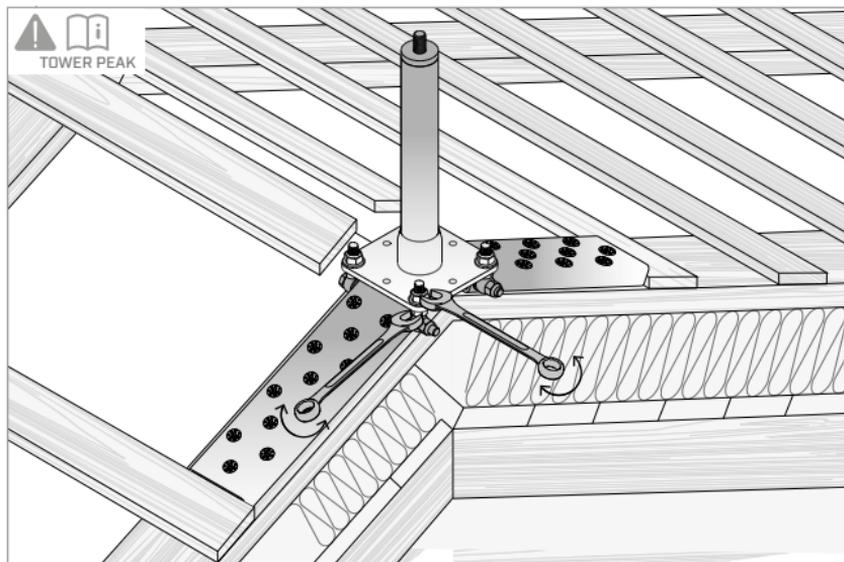
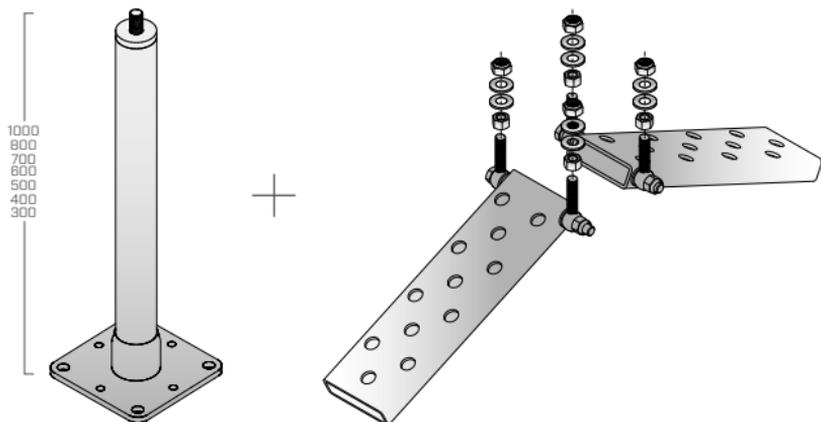
1B  
x2



HBS



TOWER PEAK



**TOWER22 + TOWERSLOPE**  
WOOD SUBSTRUCTURE  
TOWER22500



GL24H



1B  
x2



HBS



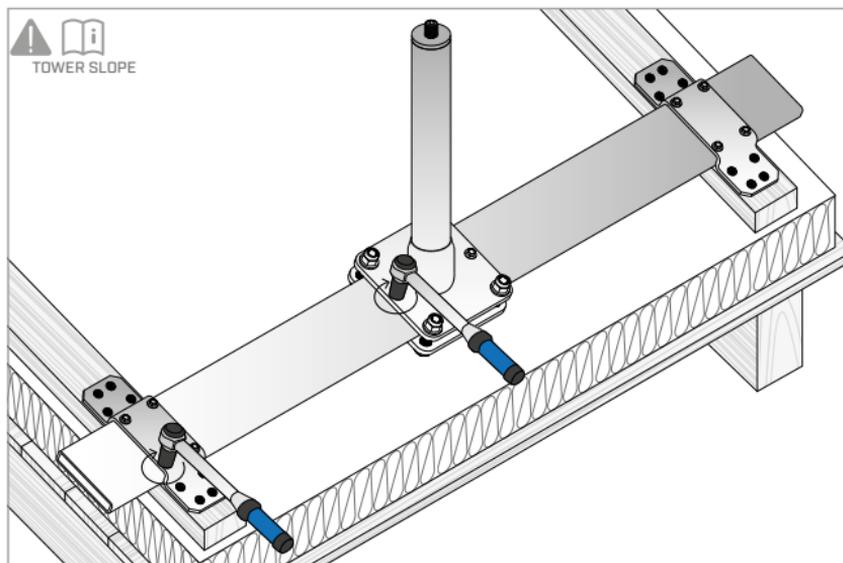
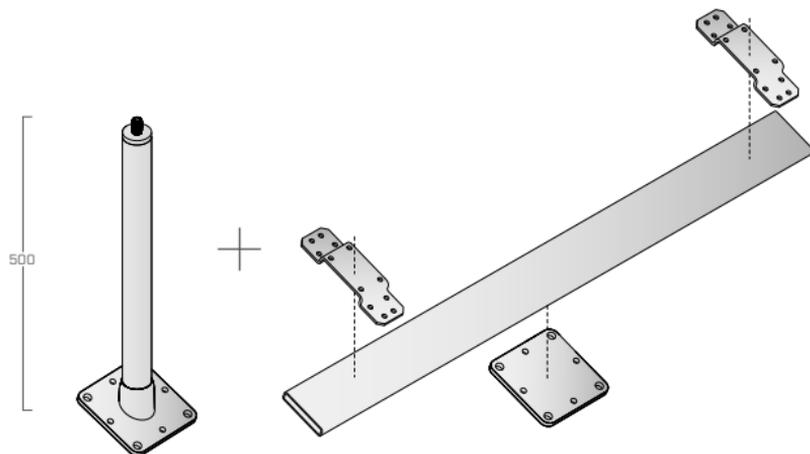
HBS



Nm

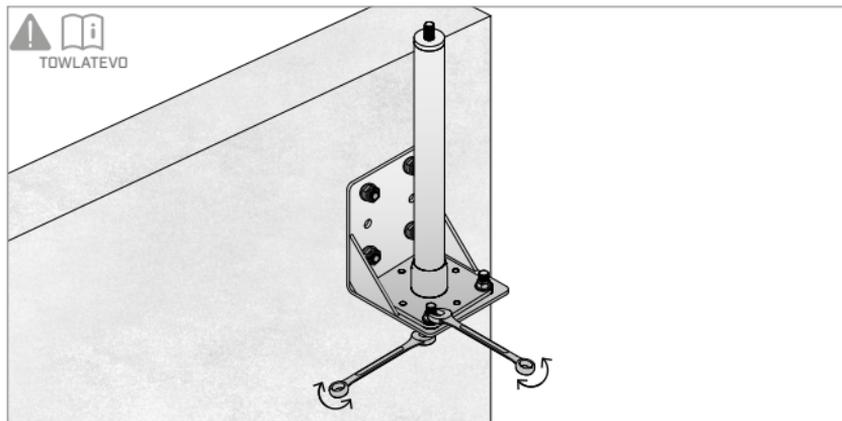
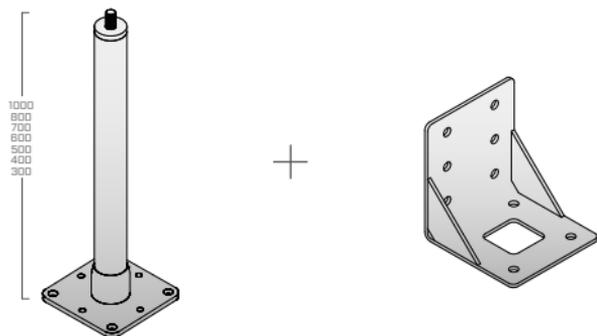
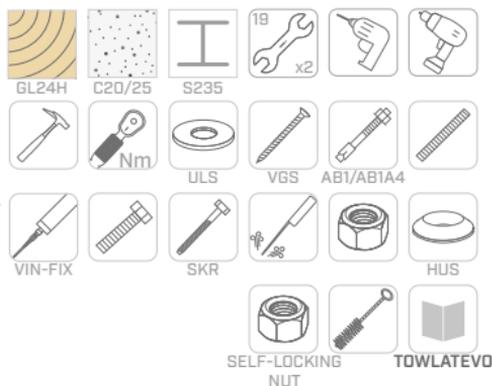


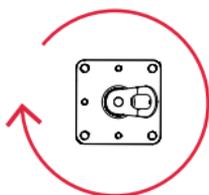
TOWER SLOPE



**TOWER - TOWER A2 +  
TOWLATEVO**  
STEEL/CONCRETE/  
WOOD SUBSTRUCTURE

TOWER300 - TOWER400 - TOWER500-  
TOWER600 - TOWER700 - TOWER800-  
TOWER1000 - TOWERA2300 - TOWERA2400-  
TOWERA2500





■ TOWER - TOWER22 - TOWERA2 + AOS01

TOWER300 - TOWER400 - TOWER500- TOWER600 -  
TOWER700 - TOWER800- TOWER1000 - TOWERA2300 -  
TOWERA2400- TOWERA2500

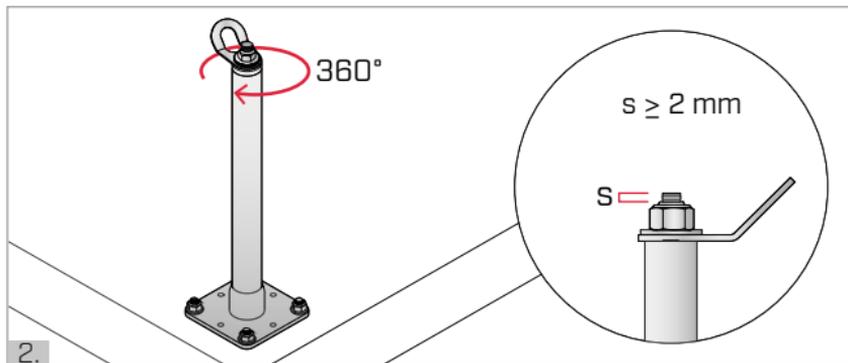
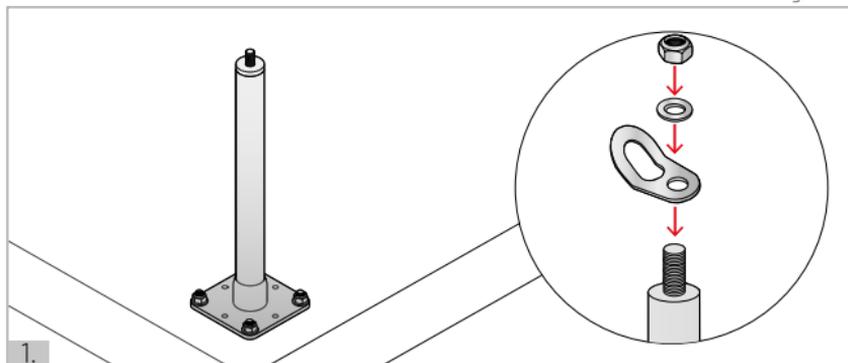


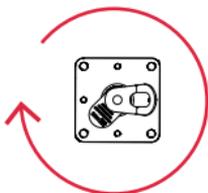
+



AOS01  
Installation  
Manual

AOS01  
Safety  
Regulations





■ TOWER - TOWER22 - TOWERA2 + AOS01

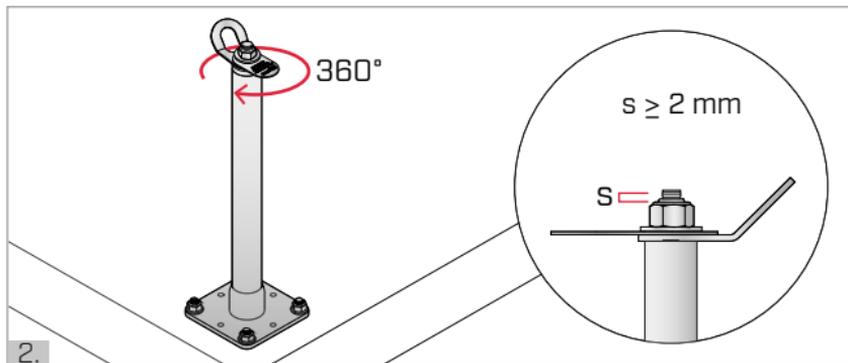
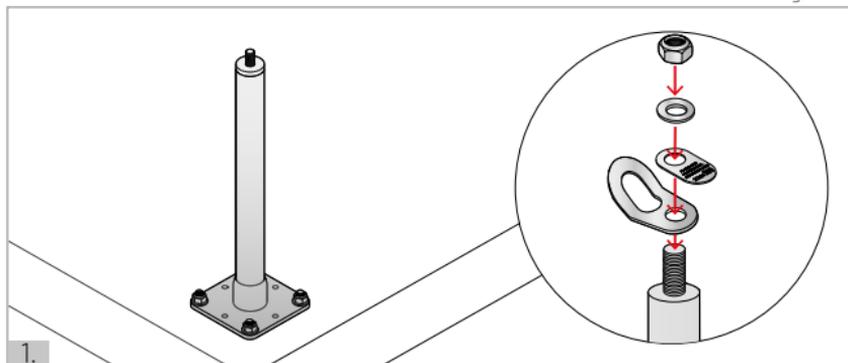
TOWER300 - TOWER400 - TOWER500- TOWER600 -  
TOWER700 - TOWER800- TOWER1000 - TOWERA2300 -  
TOWERA2400- TOWERA2500



AOS01  
Installation  
Manual



AOS01  
Safety  
Regulations



## ANCHOR LINE | PATROL



## TOWER - TOWERA2 + PATROL + SPEAR



## TOWER22 + PATROL + SPEAR

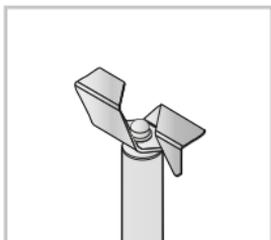


## TOWER - TOWERA2 + PATROL + SPEAREVO

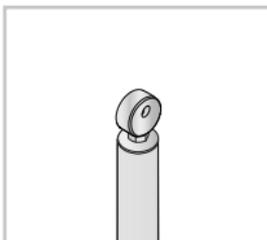


## **■ PATROL SUPPORTS**

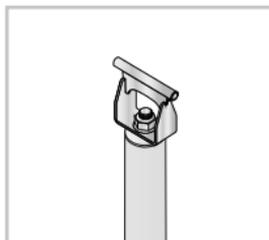
PATROLINT



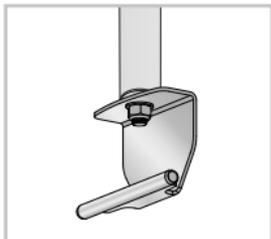
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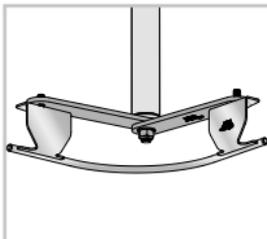
PASINT



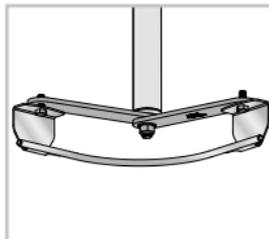
OHINT



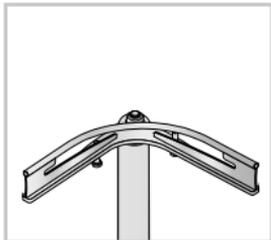
OHANGEXT + ANGSUP



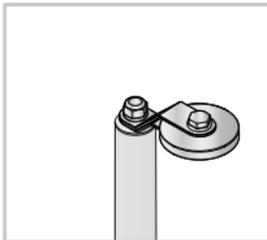
OHANGINT + ANGSUP



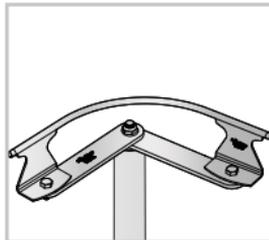
PASANG



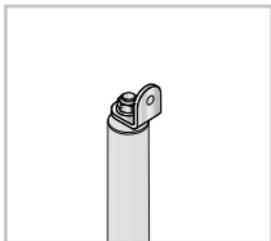
PATROLANG



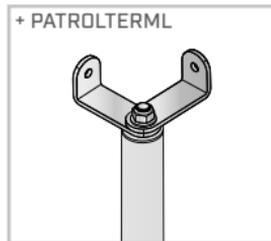
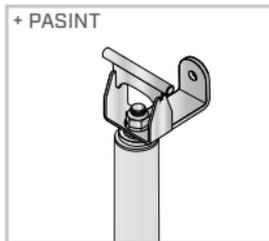
PASANGBEND + ANGSUP



PATROLTERM



PATROLTERM



## ANCHOR LINE | H-RAIL



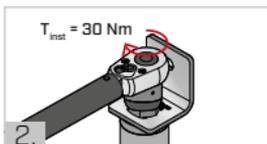
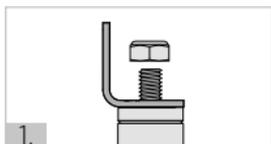
EN  
795:2012  
C

CEN/TS  
18415:2013  
C

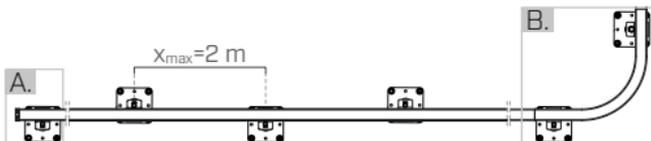
UNI  
11578:2015  
C

AS  
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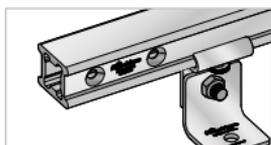
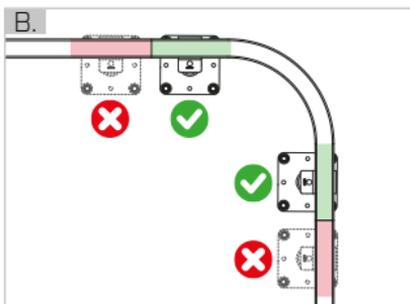
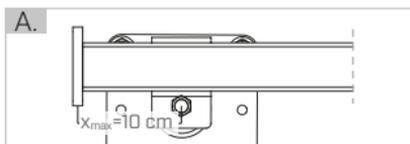
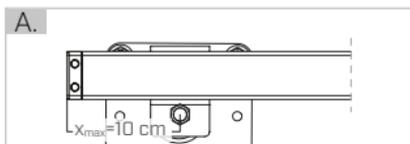
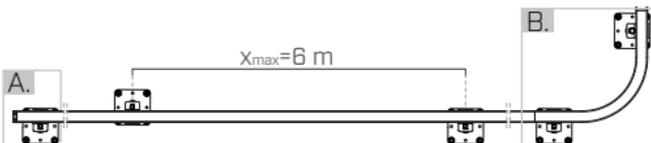
## RAILBRAT16 | RAILBRAT16 A4 INSTALLATION



ROPE ACCESS



FALL PROTECTION  
/RESTRAINT





**Rotho Blaas SRL**

03-26

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