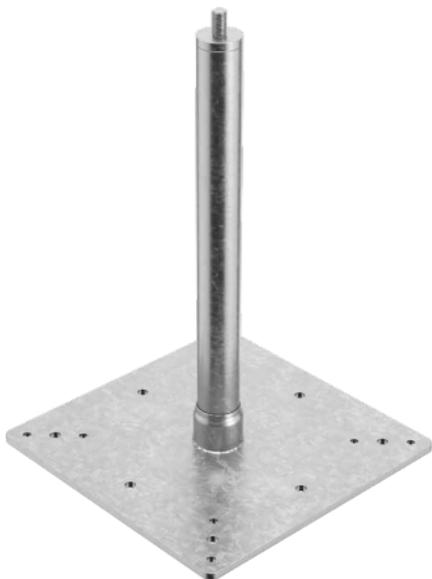
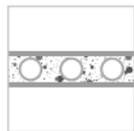


TOWER XL INSTALLATION MANUAL



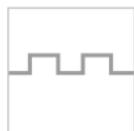
C20/25



C45/55



CLT



Fe: min 0,75 mm



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



AS 5532:2025



read also:



TOWER XL
Installation
Manual

+



TOWER XL
Safety
Regulations

=



EN
795:2012
A + C + D

CEN/TS
16415:2013

UNI
11578:2015
A + C + D

AS
5532:2025

AS/NZS
1891.2:2001



TOWER XL
Installation
Manual

+



TOWER XL
Safety
Regulations

TOOLS



BEFTOWERXL1

¹⁾ ROTHOBLAAS VINYL ESTER CHEMICAL ANCHOR WITHOUT STYRENE

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) OHUTUSESKIRJU** 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) PROPISÉ O SIGURNOSTI** na jeziku zemlje uporabe.
- HU** A Rotho Blaas termékét 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
TOWERXL**

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

XXXXX

MM/YYYY

(XXXXX= lot number,

MM = month /YYYY = year)



TOWER XL
Installation
Manual

+



TOWER XL
Safety
Regulations

PRODUCT INFORMATION



S235JR
HOT DIP



EN 795:2012 A+C+D
CEN/TS 16415:2013
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



AS
5532:2025



AS/NZS
1891.2:2001

SAFETY INSTRUCTIONS

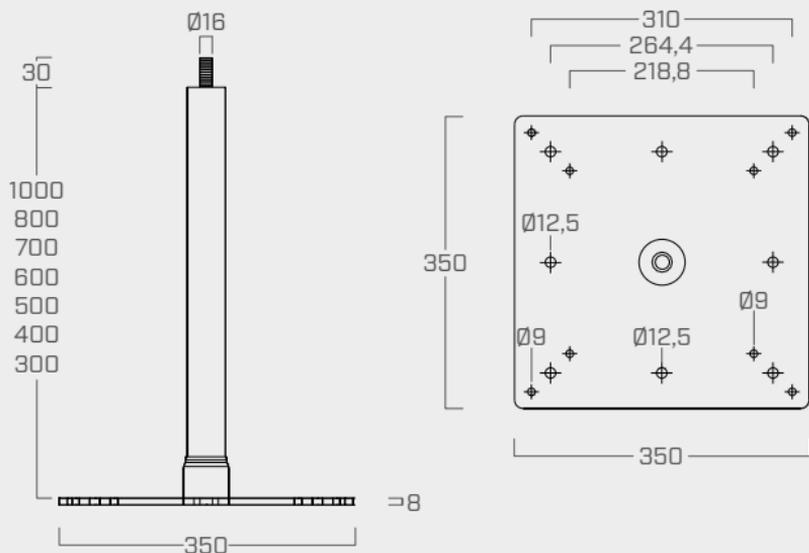
- IS** Aðeins þjálfað starfsfólk má setja upp og/eða nota þessa Rotho Blaas-vöru eftir að hafa lesið og skilið **1** UPPSETNINGARHANDBÓKAR og **2** REGLUGERÐIR UM ÖRYGGI á tungumáli þess lands sem varan er notuð í.
- LT** Produktą „Rotho Blaas” montuoti ir (arba) naudoti leidžiama tik patyrusiam personalui, prieš tai perskaicius ir supratęs **1** MONTAVIMO VADOVĘ ir **2** SAUGOS TAISYKLES atitinkamos šalies, kurioje eksploatuojama, kalba.
- LV** Rotho Blaas produkta uzstādīšana un/vai lietošana ir atļauta tikai pieredzējušam darbiniekam pēc **1** UZSTĀDĪŠANAS ROKASGRĀMATĀ un **2** DROŠĪBAS NOTEIKUMU 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** VEILIGHEIDSVOORSCHRIFTEN 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** SIKKERHETSFOKSRIFTENE, 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** INSTRUKCJĘ INSTALACJĄ oraz normy **2** BEZPIECZEŃSTWA w języku kraju użytkownika.
- 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 PREDPISE 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 kullandığı 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 للفنيين المؤهلين باستخدام أو تركيب منتج Rotho Blaas بعد قراءة دليل التثبيت **1** ونظم السلامة **2** بلغة البلد المستخدم فيها المنتج

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

rothoblaas TOWERXL XXXX
MM/YYYY

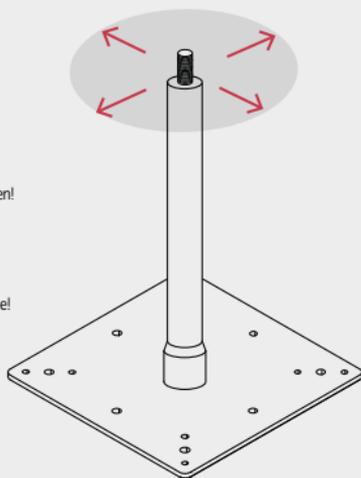


TOWER XL DIMENSIONS

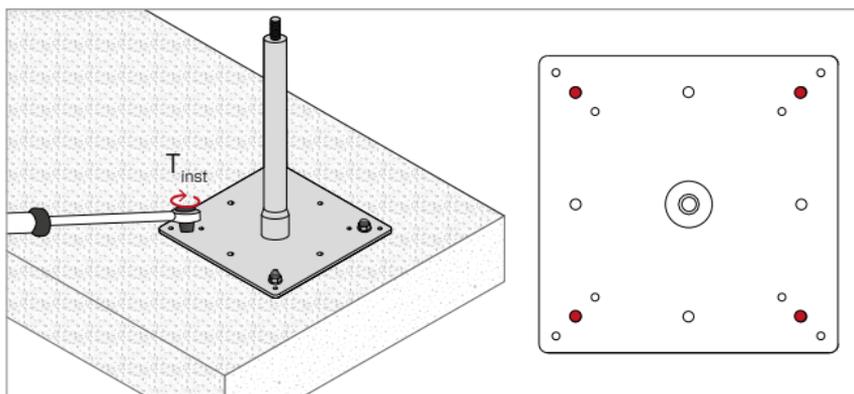
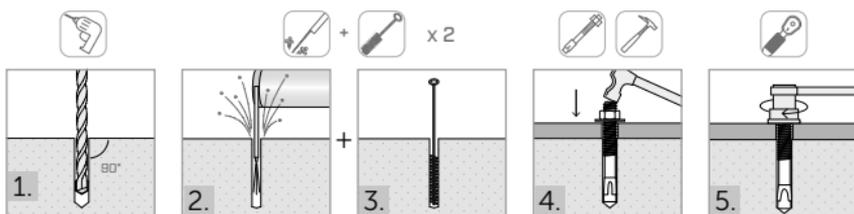


LOAD TEST MODEL

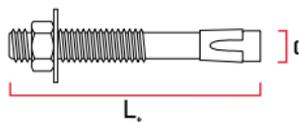
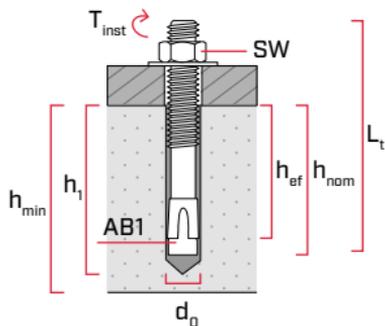
- IT ⚠ Verificare idoneità statica del sottofondo di montaggio!
- DE ⚠ Die statische Eignung des Montageuntergrundes sicherstellen!
- EN ⚠ Check the static suitability of the installation substrate!
- ES ⚠ ¡Compruebe la idoneidad estática del sustrato de montaje!
- FR ⚠ Vérifier l'adéquation statique du substrat d'assemblage!



TOWER XL CONCRETE SUBSTRUCTURE



AB1

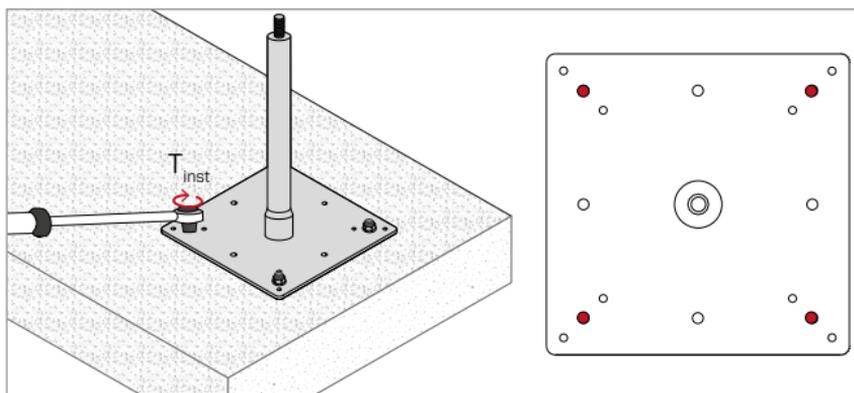
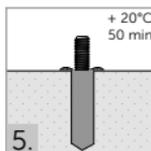
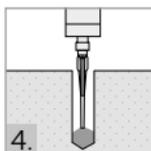
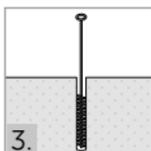
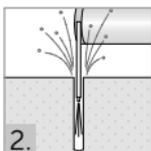
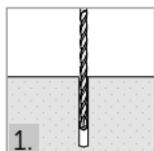


d	$= d_0 = M10$	h_{ef}	$= 60 \text{ mm}$
L_t	$= 115 \text{ mm}$	SW	$= 17 \text{ mm}$
h_1	$\geq 75 \text{ mm}$	T_{inst}	$= 40 \text{ Nm}$
h_{nom}	$= 68 \text{ mm}$	h_{min}	$\geq 120 \text{ mm}$

TOWER XL CONCRETE SUBSTRUCTURE

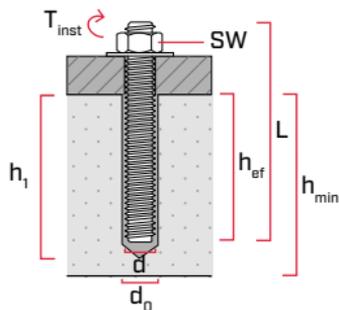


C20/25



VIN-FIX
ETA-20/0363

M10 - 5.8 min



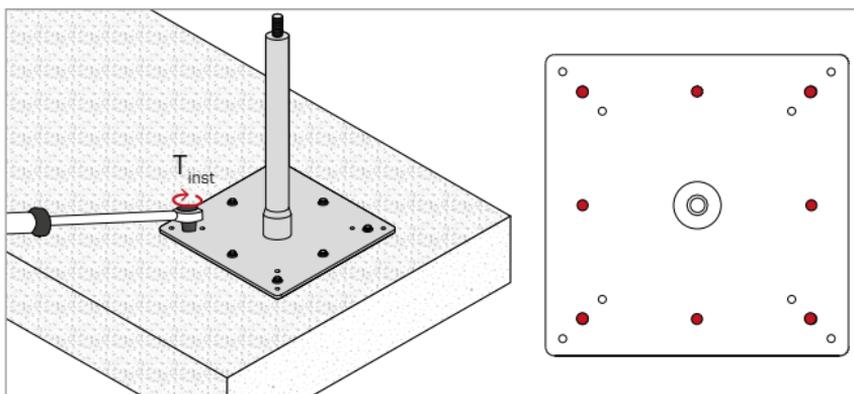
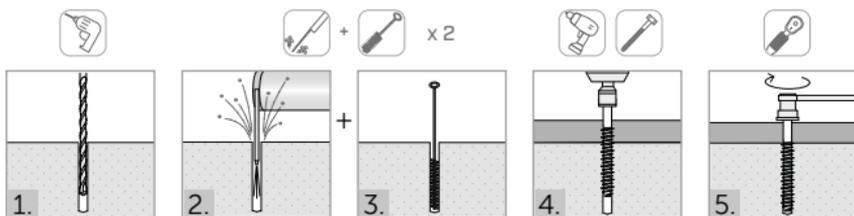
$$80 \leq h_{ef} \leq 200 \text{ mm}$$

$$h_{min} \geq h_{ef} + 30 \text{ mm}$$

$$L \geq h_{ef} + 20 \text{ mm}$$

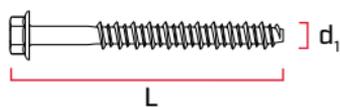
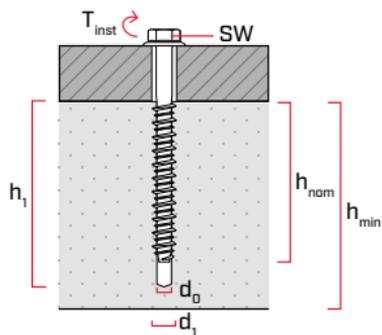
$d = 10 \text{ mm}$	$SW = 17 \text{ mm}$
$d_0 = 12 \text{ mm}$	$T_{inst} = 20 \text{ Nm}$
$h_{min} \geq 110 \text{ mm}$	

TOWER XL CONCRETE SUBSTRUCTURE



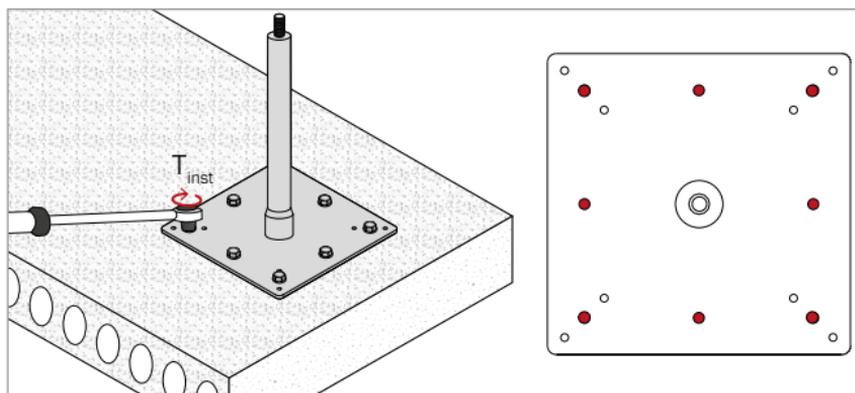
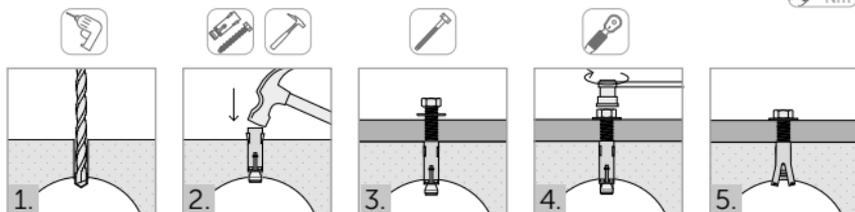
SKR
 ETA-18/0278
 ETA-19/0100

SKR 10 x 80 mm

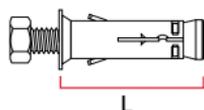
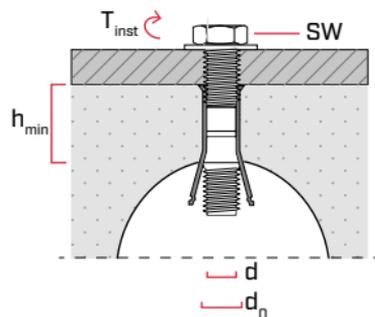


$d_1 = 10 \text{ mm}$	$h_{\min} \geq 110 \text{ mm}$
$L = 80 \text{ mm}$	$d_0 = 8 \text{ mm}$
$h_1 \geq 85 \text{ mm}$	$SW = 13 \text{ mm}$
$h_{\text{nom}} \geq 70 \text{ mm}$	$T_{\text{inst}} = 50 \text{ Nm}$

TOWER XL CONCRETE SUBSTRUCTURE

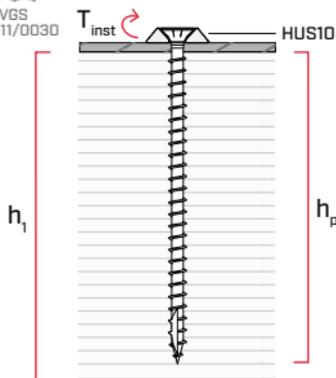
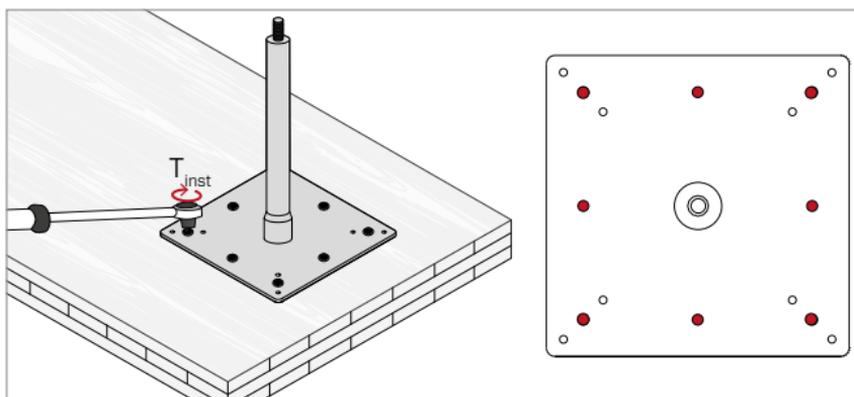
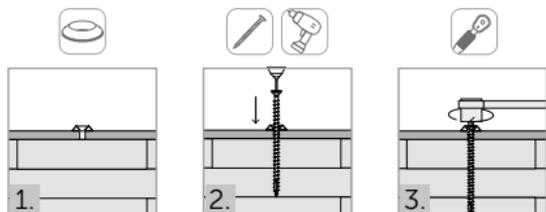


BEFTOWERXL1

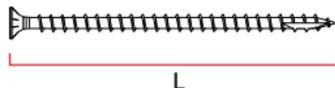


d	=	10 mm		h_{min}	≥	30 mm
d_0	=	16 mm		SW	=	17 mm
L	=	52 mm		T_{inst}	=	20 Nm

TOWER XL CLT SUBSTRUCTURE

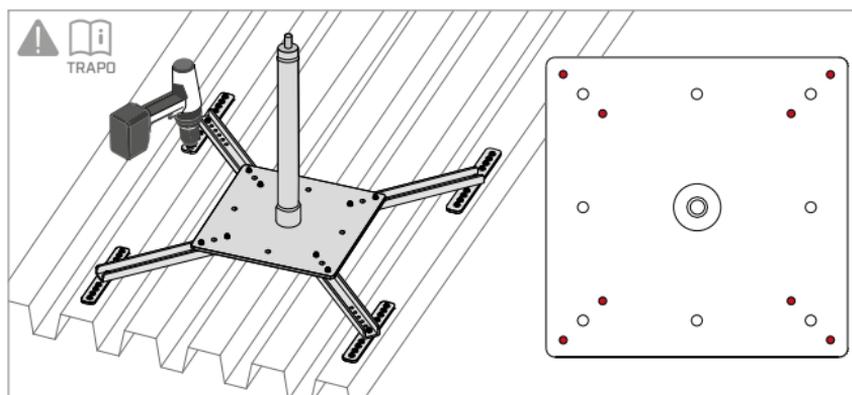
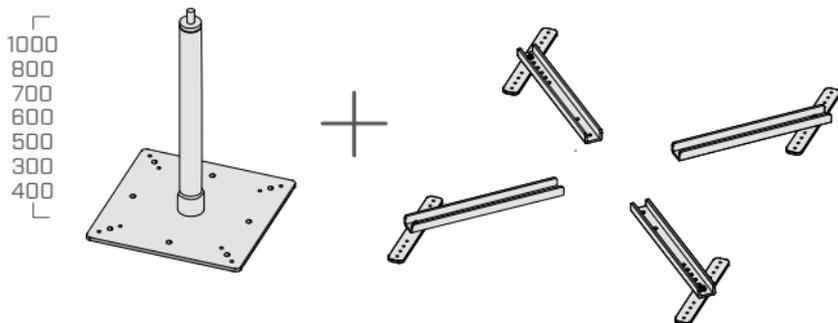
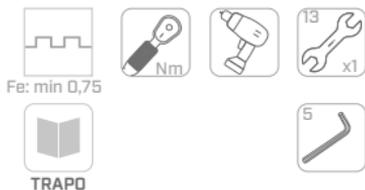


VGS 11 x L mm



$h_1 \geq 100 \text{ mm}$	$h_{pd,min} \leq h_1$
$L \geq 100 \text{ mm}$	$h_{pd,min} \geq 83 \text{ mm}$
$L < 400 \text{ mm}$	$T_{inst} = 30 \text{ Nm}$
$L \geq 400 \text{ mm}$	$T_{inst} = 40 \text{ Nm}$

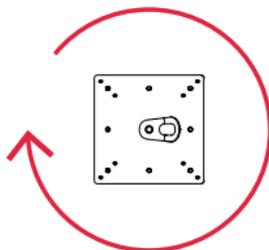
TOWER XL + TRAPO METAL SUBSTRUCTURE



TOWER XL + TRAPO METAL SUBSTRUCTURE



ANCHOR POINT



TOWER XL + AOS01

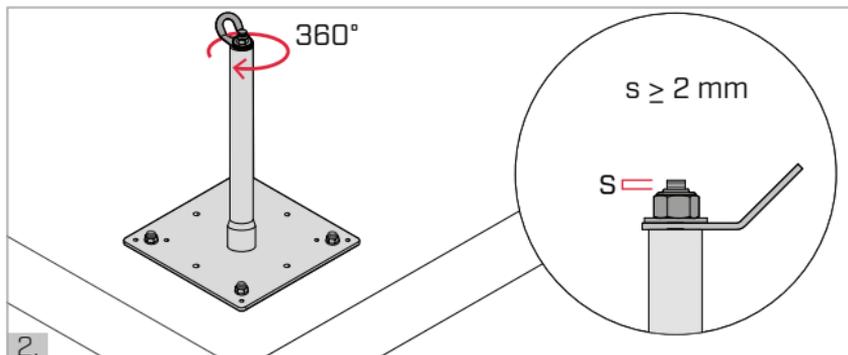
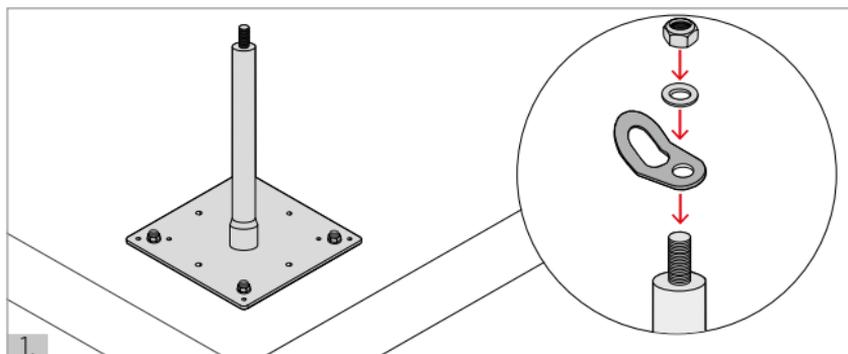


+



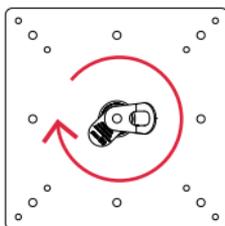
AOS01
Installation
Manual

AOS01
Safety
Regulations



■ ANCHOR POINT

AS
5532:2025

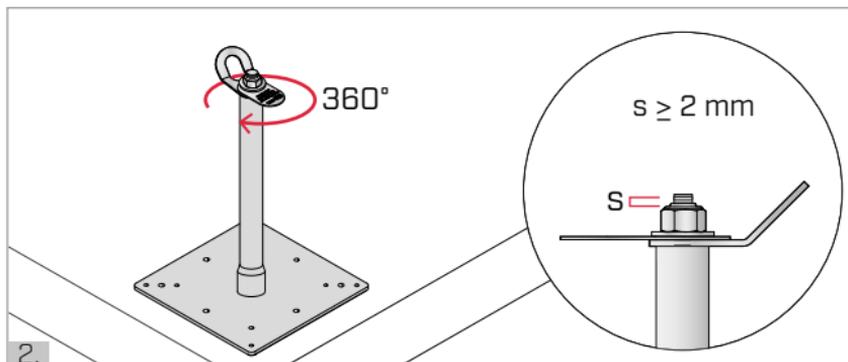
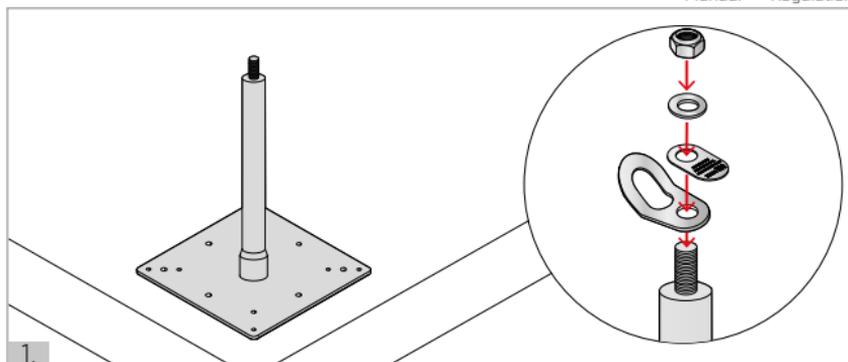


■ TOWER XL + AOS01



AOS01
Installation
Manual

AOS01
Safety
Regulations



ANCHOR LINE

EN
795:2012
C

CEN/TS
16415:2013

UNI
11578:2015
C

AS/NZS
1891.2:2001

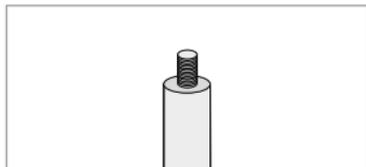
$rX = \min 2 m$ $X = \max 15 m$



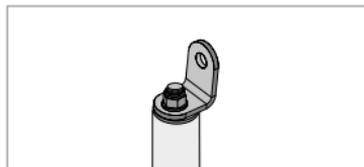
PATROL
+ SPEAR
Installation
Manual

PATROL
+ SPEAR
Safety
Regulations

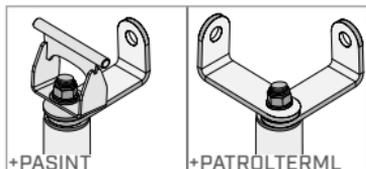
TOWER XL + PATROL



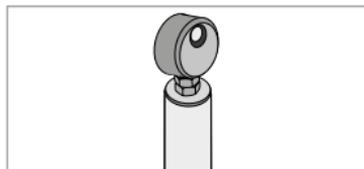
PATROLTERM



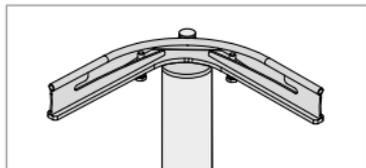
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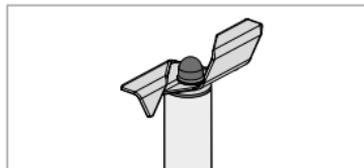
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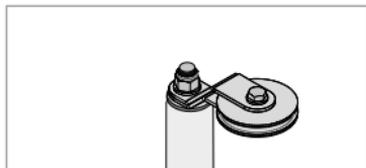
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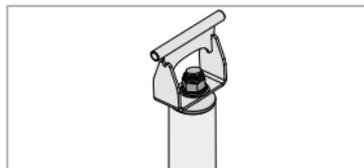
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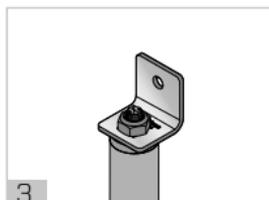
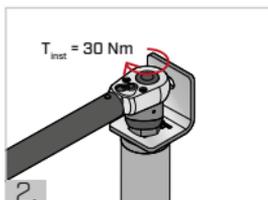
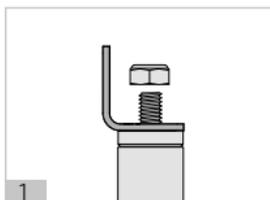
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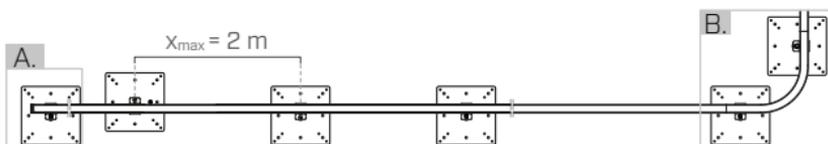
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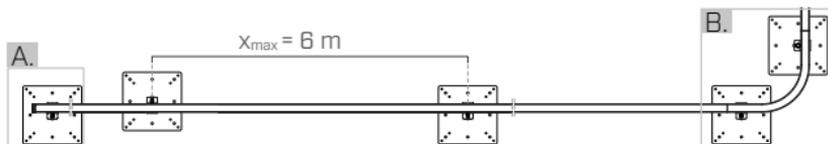
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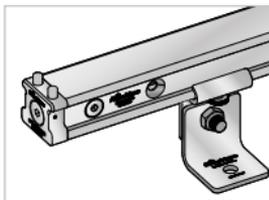
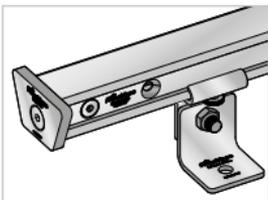
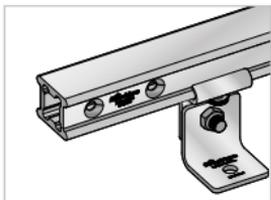
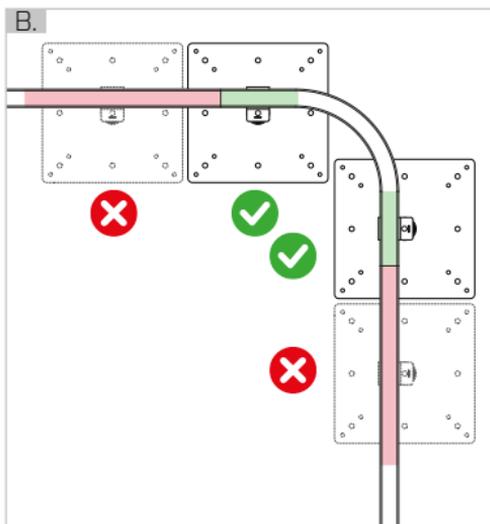
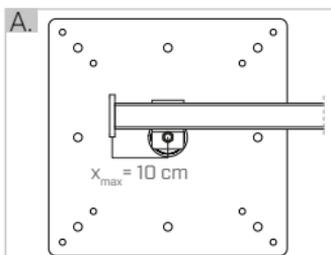
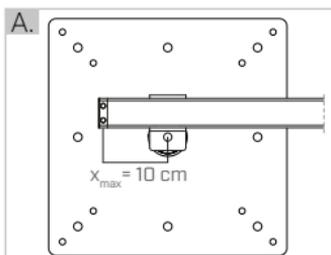


ROPE ACCESS



FALL PROTECTION/RESTRAINT







Rotho Blaas SRL

02-26

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