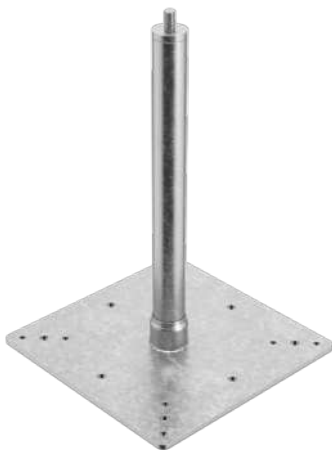
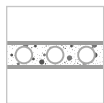


TOWER XL

INSTALLATION MANUAL



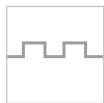
C20/25



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



HUS



VIN-FIXTM



BEFTOWERXL1

TM ROTHOBLAAS VINYL LESTER 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** **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 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
(XXXX= lot number,
MM = month /YYYY = year)



+



PRODUCT INFORMATION



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

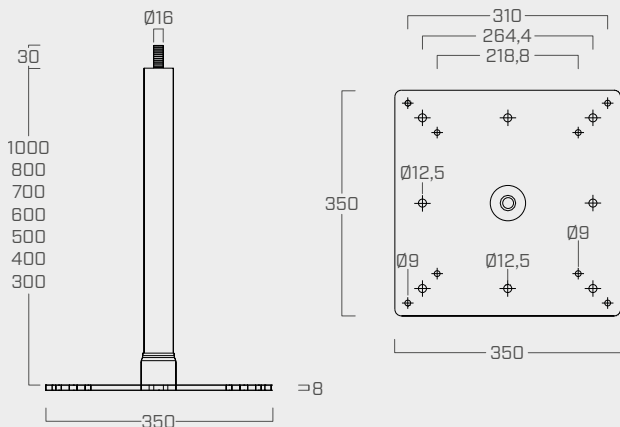
- IS** Aðeins þjálfað starfsfólk má setja upp og/eða nota þessa Rotho Blaas-vöru eftir að hafa lesið og skilið **1** **UPPSETNINGARHANDBÓKAR** og **2** **REGLUGERÐIR UM ÖRYGGI** á tungumáli þess lands sem varan er notuð í.
- LT** Produkt „Rotho Blaas“ montuoti ir (arba) naudoti leidžiama tik patyrusiam personalui, prieš tai perskaičius ir supratus **1** **MONTAVIMO VADOVE** 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** **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** Instalację 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 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 NARIEM** 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** **SÄKERHETS-FÖRESKRIFTER** 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 وفهم دليل التثبيت **1** **نظم** **2** **بلغلة البلد المستخدم فيها المنتج**

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

rothoblaas TOWERXL   XXXX
MM/YYY

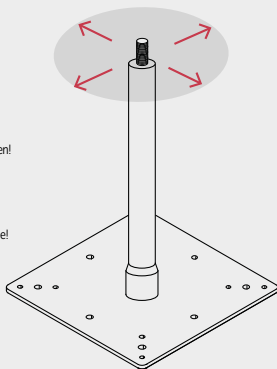


TOWER XL DIMENSIONS



LOAD TEST MODEL

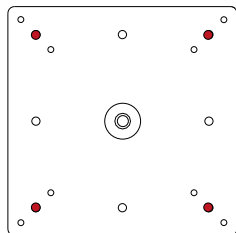
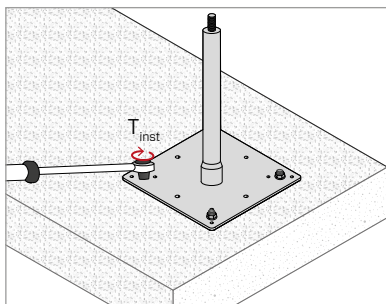
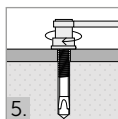
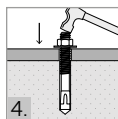
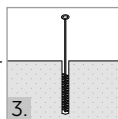
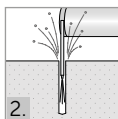
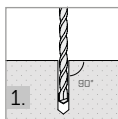
- IT** ⚠ Verificare idoneità statica del sottofondo di montaggio!
- DE** ⚠ Die statische Eignung des Montageuntergrundes sicherstellen!
- EN** ⚠ Check the static suitability of the installation substrate!
- ES** ⚠ ¡Compruebe la idoneidad estática del sustrato de montaje!
- FR** ⚠ Vérifier l'adéquation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



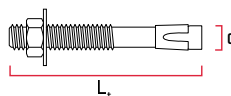
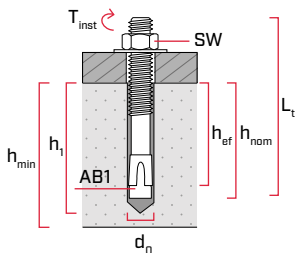
TOWER XL CONCRETE SUBSTRUCTURE



x 2



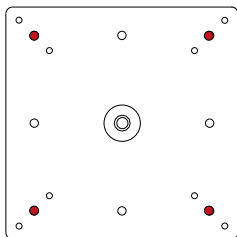
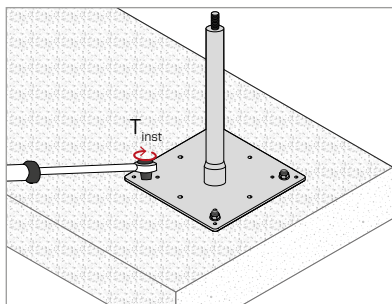
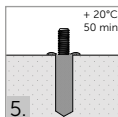
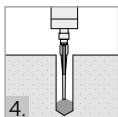
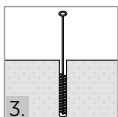
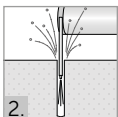
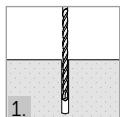
AB1



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}	$\geq 120 \text{ mm}$

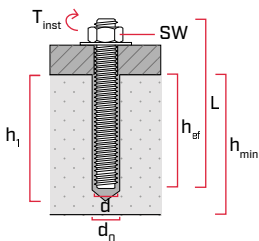
TOWER XL

CONCRETE SUBSTRUCTURE



VIN-FIX
ETA-20/0363

M10 - 5.8 min



$$\begin{aligned} 80 &\leq h_{ef} \leq 200 \text{ mm} \\ h_{min} &\geq h_{ef} + 30 \text{ mm} \\ L &\geq h_{ef} + 20 \text{ mm} \end{aligned}$$

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

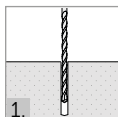
TOWER XL CONCRETE SUBSTRUCTURE



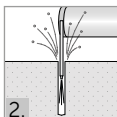
C20/25



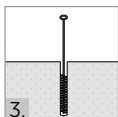
x 2



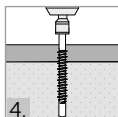
1.



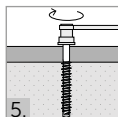
2.



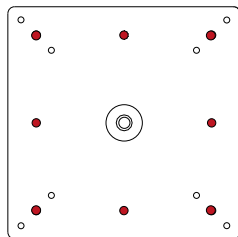
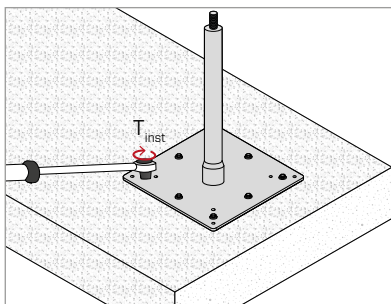
3.



4.

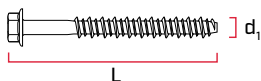
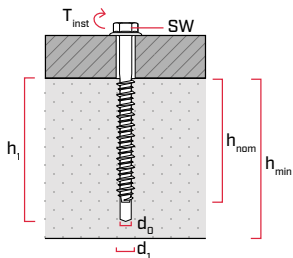


5.



SKR
ETA-18/0279
ETA-19/0100

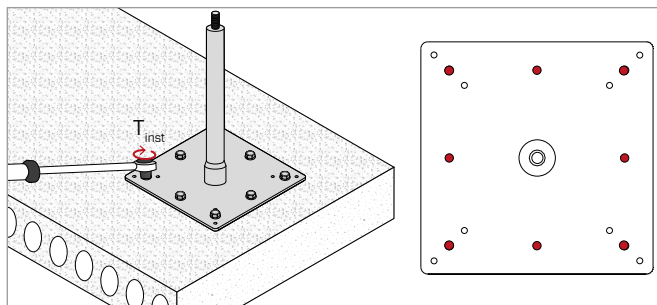
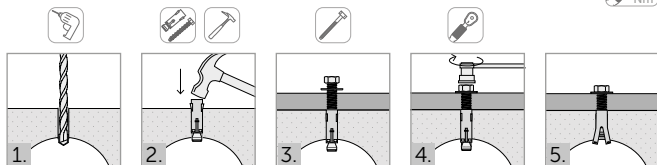
SKR 10 x 80 mm



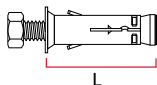
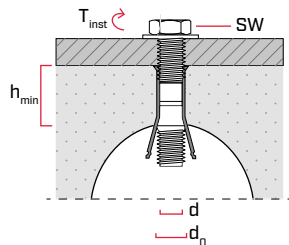
d_1	=	10 mm	h_{min}	≥	110 mm
L	=	80 mm	d_0	=	8 mm
h_1	≥	85 mm	SW	=	13 mm
h_{nom}	≥	70 mm	T_{inst}	=	50 Nm

TOWER XL

CONCRETE SUBSTRUCTURE



BEFTOWERXL1



$d = 10 \text{ mm}$
 $d_0 = 16 \text{ mm}$
 $L = 52 \text{ mm}$

$h_{min} \geq 30 \text{ mm}$
 $SW = 17 \text{ mm}$
 $T_{inst} = 20 \text{ Nm}$

TOWER XL

CLT SUBSTRUCTURE



CLT



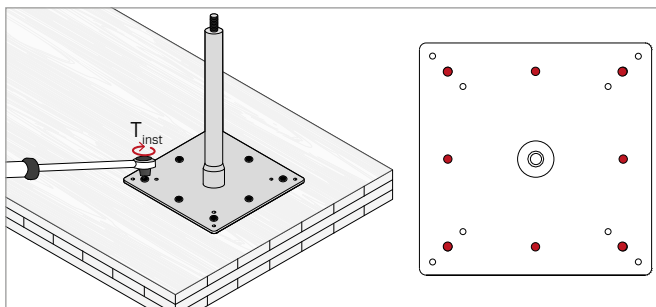
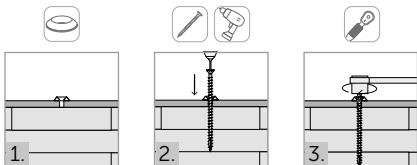
VGS
x8



HUS
x8

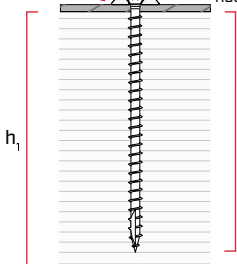


Nm

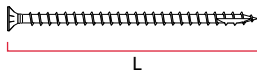


VGS
ETA-11/0030

T_{inst} HUS10



VGS 11 x L mm



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

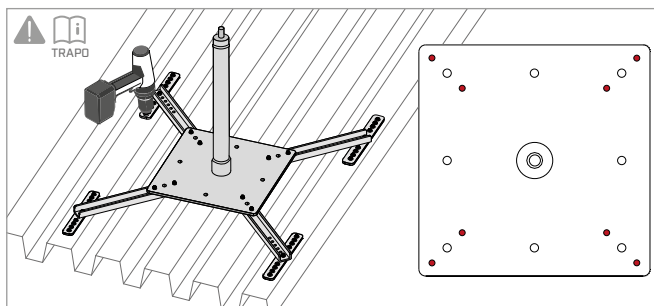
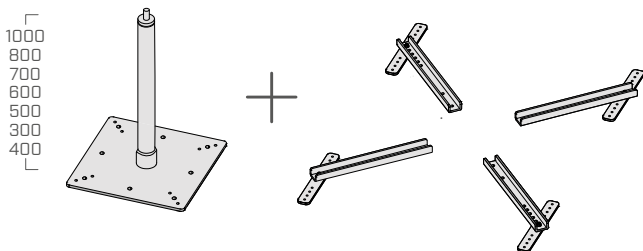
TOWER XL + TRAPO METAL SUBSTRUCTURE



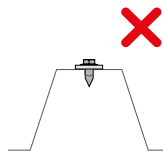
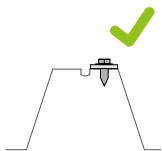
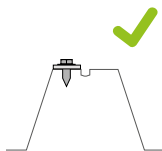
Fe: min 0,75



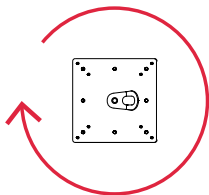
TRAPO



TOWER XL + TRAPO METAL SUBSTRUCTURE



ANCHOR POINT



TOWER XL + AOS01

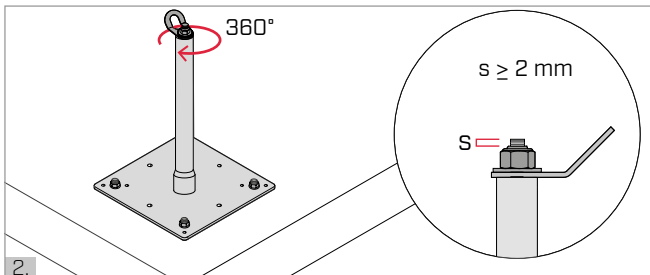
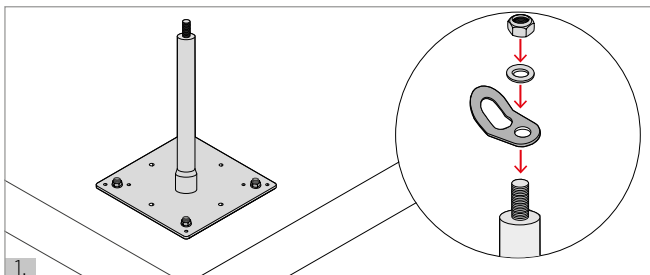


+



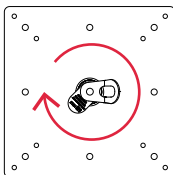
AOS01
Installation
Manual

AOS01
Safety
Regulations



■ ANCHOR POINT

AS
5532:2025

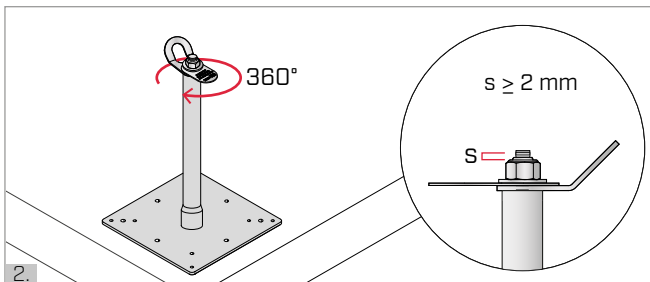
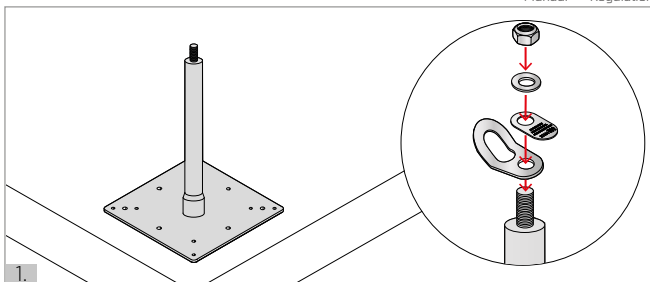


■ TOWER XL + AOS01



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

Γ X = min 2 m ————— X = max 15 m



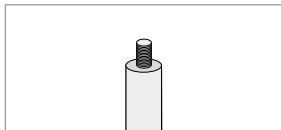
+



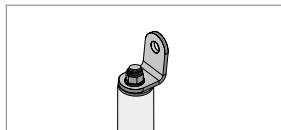
**PATROL
+ SPEAR**
Installation
Manual

**PATROL
+ SPEAR**
Safety
Regulations

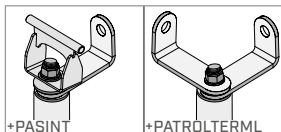
TOWER XL + PATROL



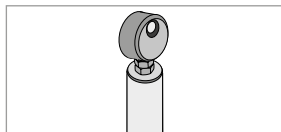
PATROLTERM



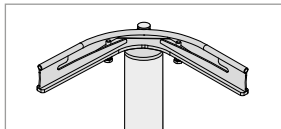
PATROLTERM L



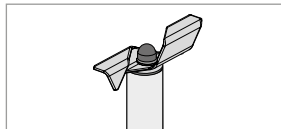
PATROLMED



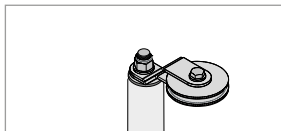
PASANG



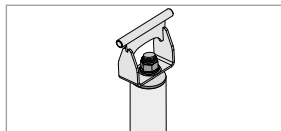
PATROLINT



PATROLANG



PASINT



ANCHOR LINE | H-RAIL

EN
795:2012
0

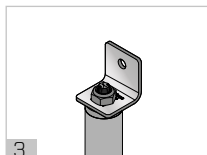
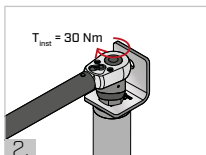
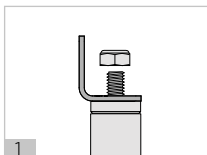
CEN/TS
16415:2013
0

UNI
11578:2015
0

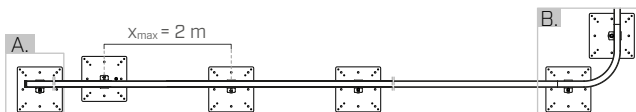
AS/NZS
1891.2:2001



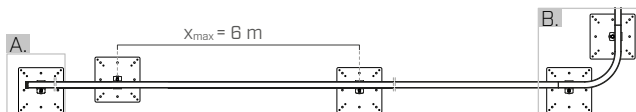
RAILBRAT16 | RAILBRAT16 A4 INSTALLATION

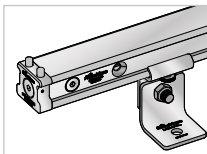
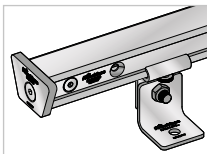
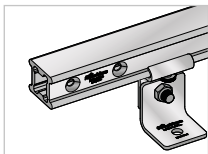
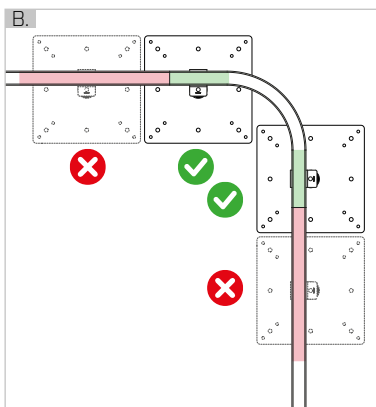
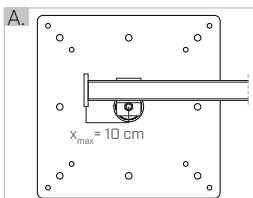
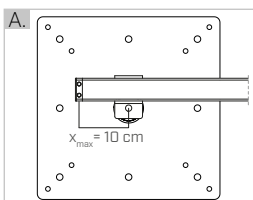


ROPE ACCESS



FALL PROTECTION/RESTRAINT







Rotho Blaas SRL

02-26

Via dell'Adige N.2/1 | 39040, Cortaccia (BZ) | Italia
Tel: +39 0471 81 84 00 | Fax: +39 0471 81 84 84
info@rothoblaas.com | www.rothoblaas.com

