

PATROL + SPEAREVO

INSTALLATION MANUAL



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EN 795:2012 C
CEN/TS 16415:013
UNI 11578:2015 C



**PATROL +
SPEAREVO**
Installation
Manual

+

⚠ read also:



**PATROL +
SPEAREVO**
Safety
Regulations

=



EN
795:2012
C

CEN/TS
16415:2013

UNI
11578:2015
C

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 terméket kizárólag hozzáértő személyzet szerelheti be és/vagy használhatja, az adott országnak megfelelő nyelvű **1** **TELEPÍTÉSI KÉZIKÖNYV** és **2** **BIZTONSÁGI SZABÁLYOK** elolvasása és megértése után.



1
**PATROL+
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Installation
Manual



2
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Safety
Regulations

TOOLS



(1) VINYLESTER CHEMICAL ANCHOR
WITHOUT STYRENE

INFORMATIONS

Type

Rothoblaas

PATROL - SPEAREVO

Related standard(s)

EN 795:2012 C

CEN/TS 16415:2013

UNI 11578:2015 C

Name or logo of manufacturer/distributor

ROTHOBLAAS

Batch number and year of manufacture

N/MM/YYYY

(N = 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** **UPPSÆTNINGARHANDBÓKAR** og **2** **REGLUGERÐIR UM ÖRYGGI** á tungumáli þess lands sem varan er notuð í.
- LT** Produktą „Rotho Blaas” montuoti ir (arba) naudoti leidžiama tik patyriusiam personalui, prieš tai perkaicius ir supratęs **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** 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** **NÁVODO 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 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 للفنيين المؤهلين باستخدام أو تركيب منتج Rotho Blaas بعد قراءة وفهم دليل التثبيت **1** نظراً للسلامة **2** بلغة البلد المستخدم فيها المنتج



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Manual



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Regulations

PRODUCT INFORMATION

EN 795:2012 C	CEN/TS 16415:2013	UNI 11578:2015 C
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1.4301
AISI304
INOX

1.4401
AISI316
INOX



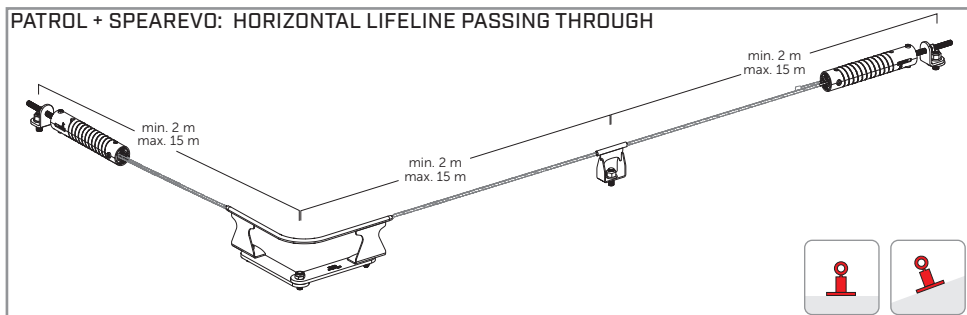
EN 795:2012 C
CEN/TS 16415:2013
UNI 11578:2015 C

- 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!

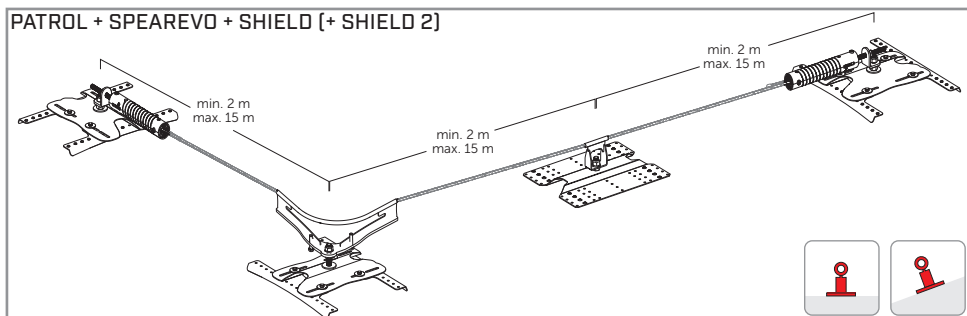


■ TECHNICAL DATA

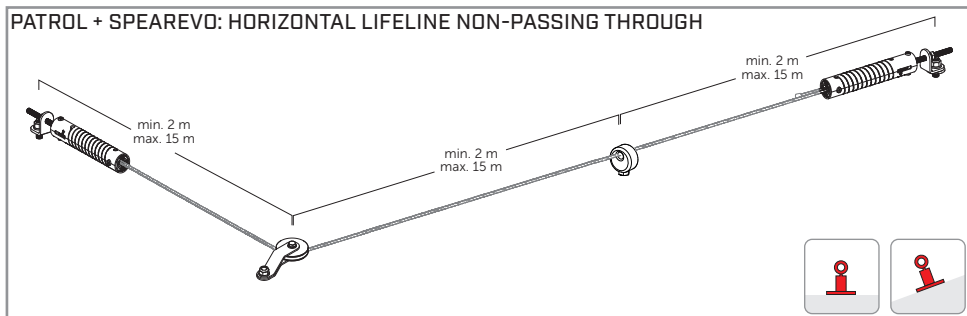
PATROL + SPEAREVO: HORIZONTAL LIFELINE PASSING THROUGH



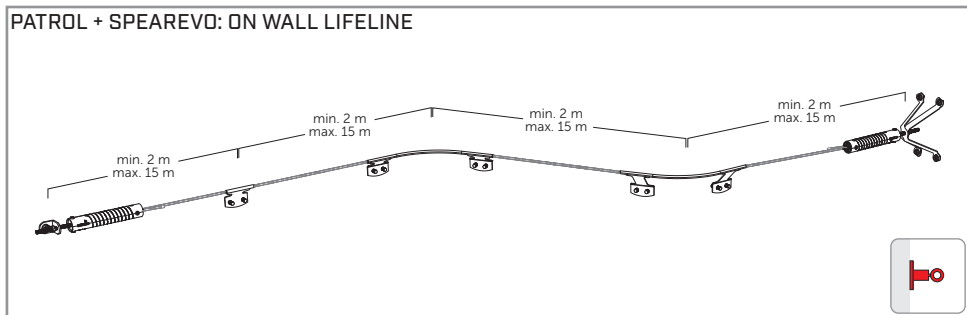
PATROL + SPEAREVO + SHIELD (+ SHIELD 2)



PATROL + SPEAREVO: HORIZONTAL LIFELINE NON-PASSING THROUGH

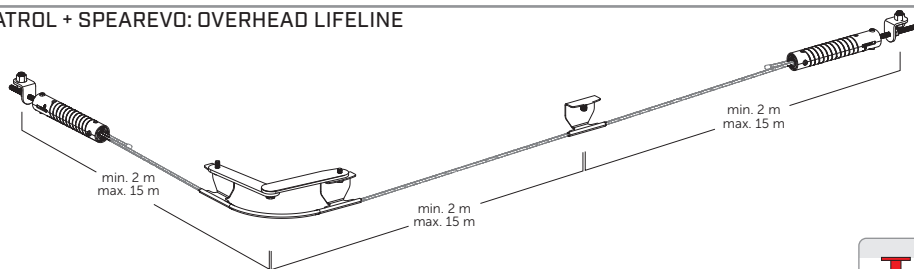


PATROL + SPEAREVO: ON WALL LIFELINE

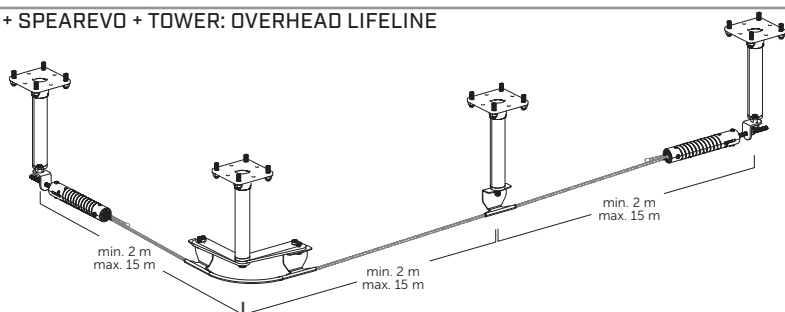


■ TECHNICAL DATA

PATROL + SPEAREVO: OVERHEAD LIFELINE



PATROL + SPEAREVO + TOWER: OVERHEAD LIFELINE



PATROLEND - PATROLEND A4



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PATROLEND

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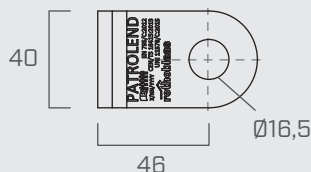
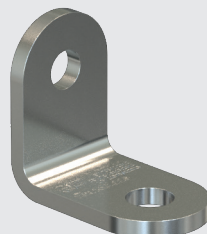
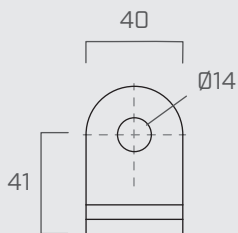
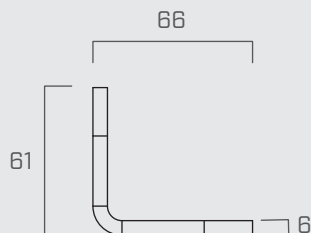
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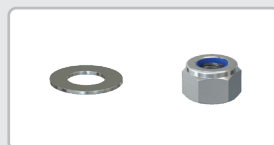
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PATROLEND
rothoblaas
EN 795/C:2012
X/NN/YYYY CEN/TS 16415:2013
UNI 11578/C:2015



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PAREND - PAREND A4



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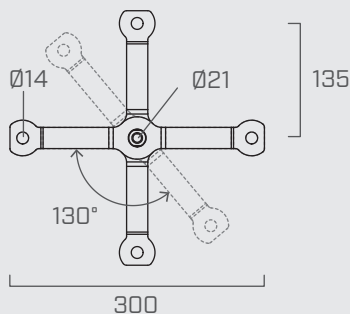
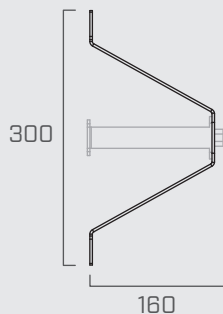
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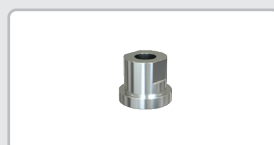
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PAREND
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EN 795/C:2012
X/NN/YYYY CEN/TS 16415:2013
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PATROLTERM - PATROLTERMA4



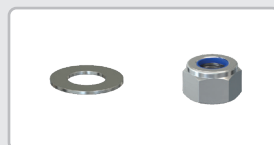
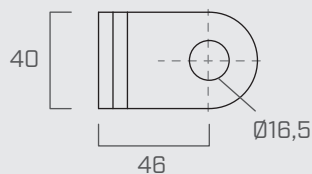
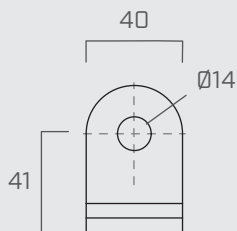
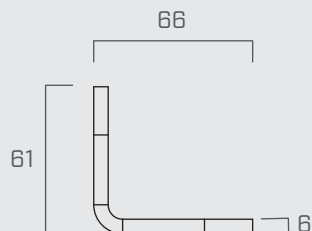
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TOWER SHIELD



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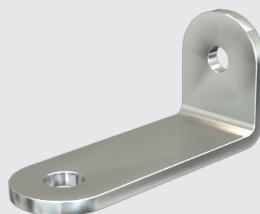
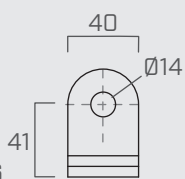
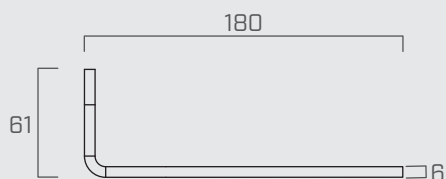
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TOWER SHIELD



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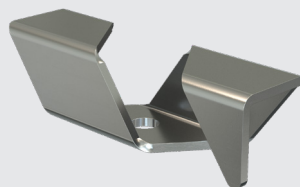
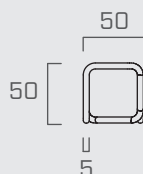
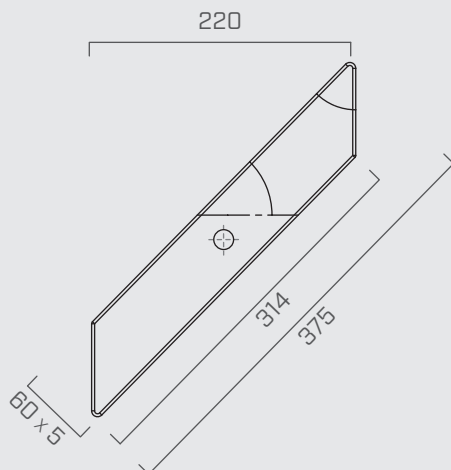
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SHIELD
SHIELD2



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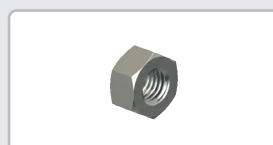
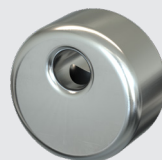
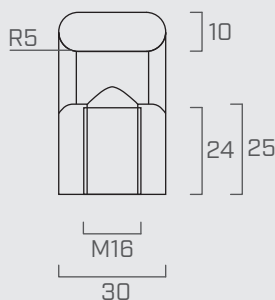
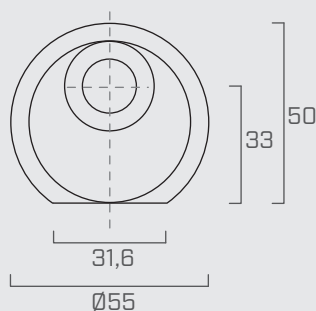
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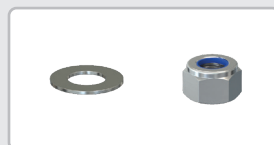
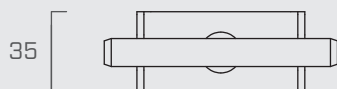
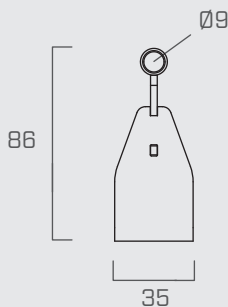
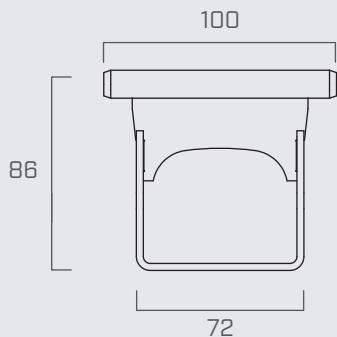


SHIELD
SHIELD2



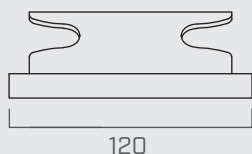
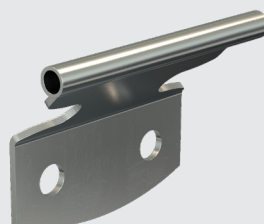
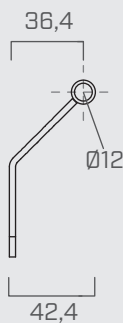
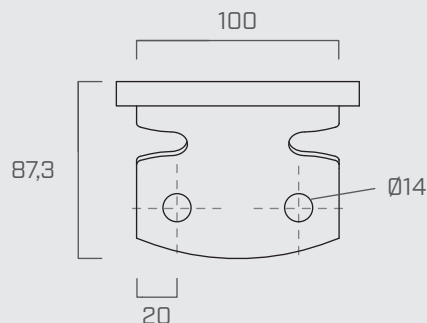
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PASINT - PASINT A4



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PARINTER - PARINTER A4



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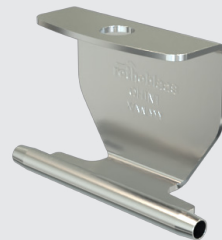
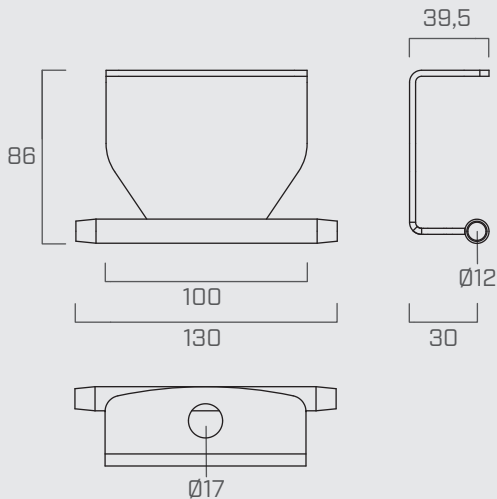
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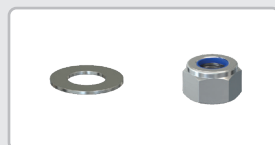
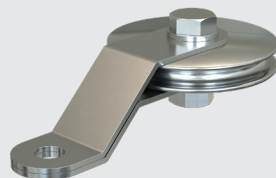
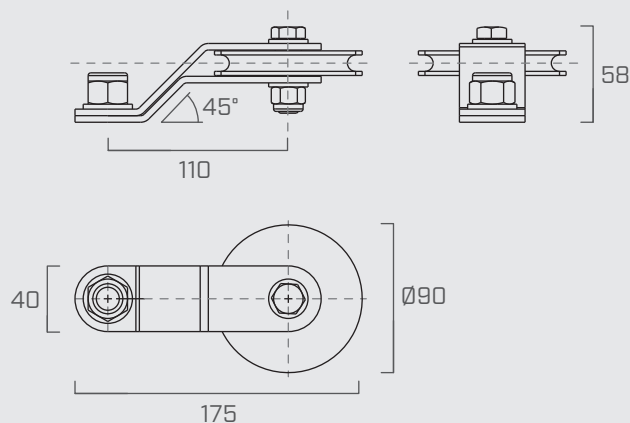
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SUPPORTS
SHIELD



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PASANG - PASANG A4



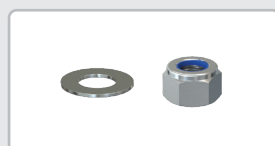
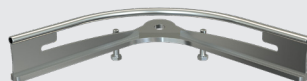
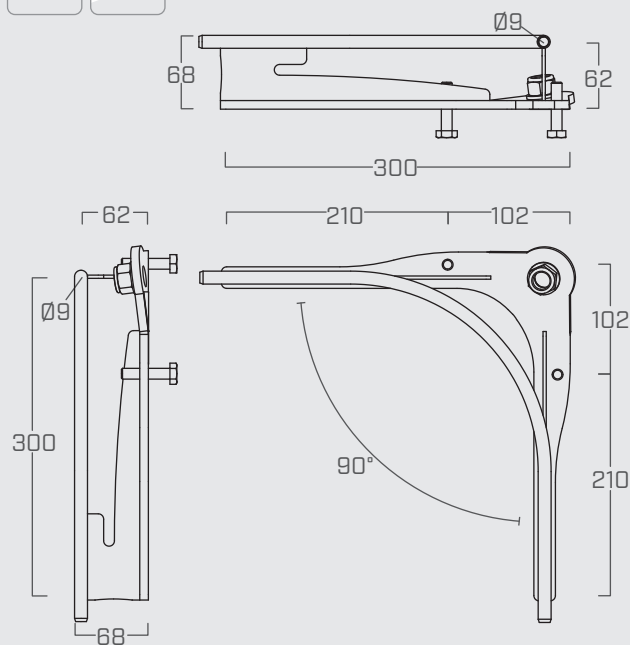
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CERTIFIED
SUPPORTS
SHIELD



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PASANGBEND - PASANGBEND A4



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PASANGBEND

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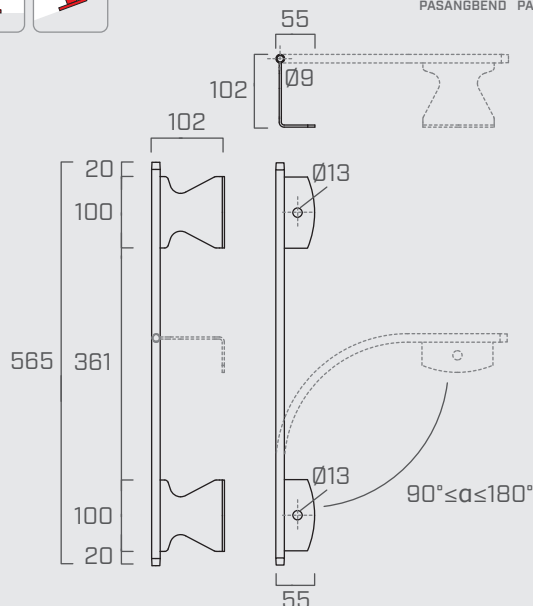
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ANGSUP - ANGSUP A4



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ANGSUPA4



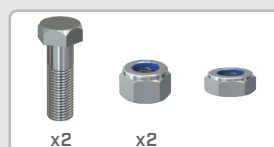
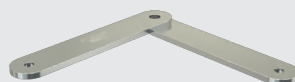
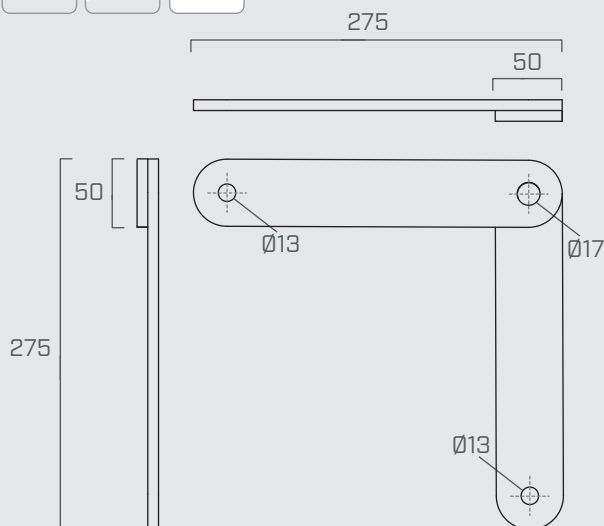
C20/25



S235



TOWER
SHIELD



INCLUDED IN THE PACKAGE

■ PARIN - PARIN A4

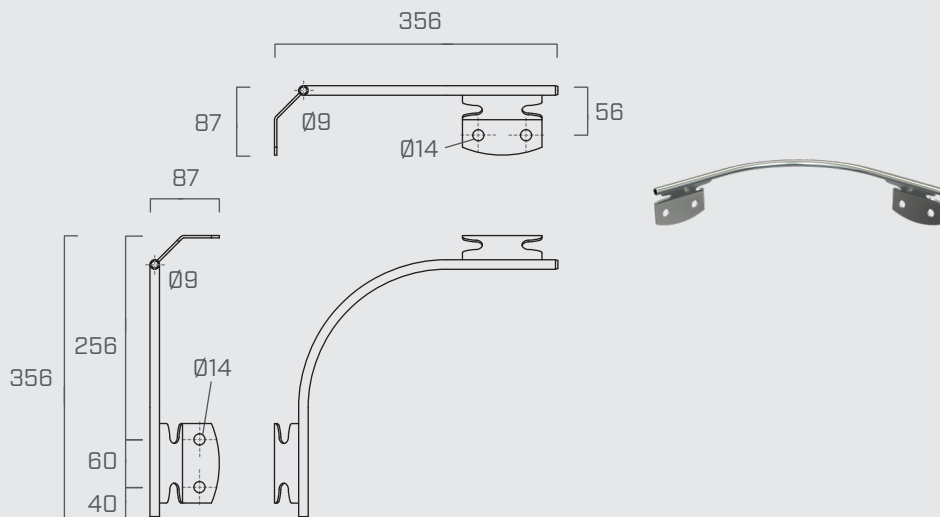


1.4301
AISI304
INOX
PARIN

1.4401
AISI316
INOX
PARINA4

C20/25

S235



■ PAREX - PAREX A4

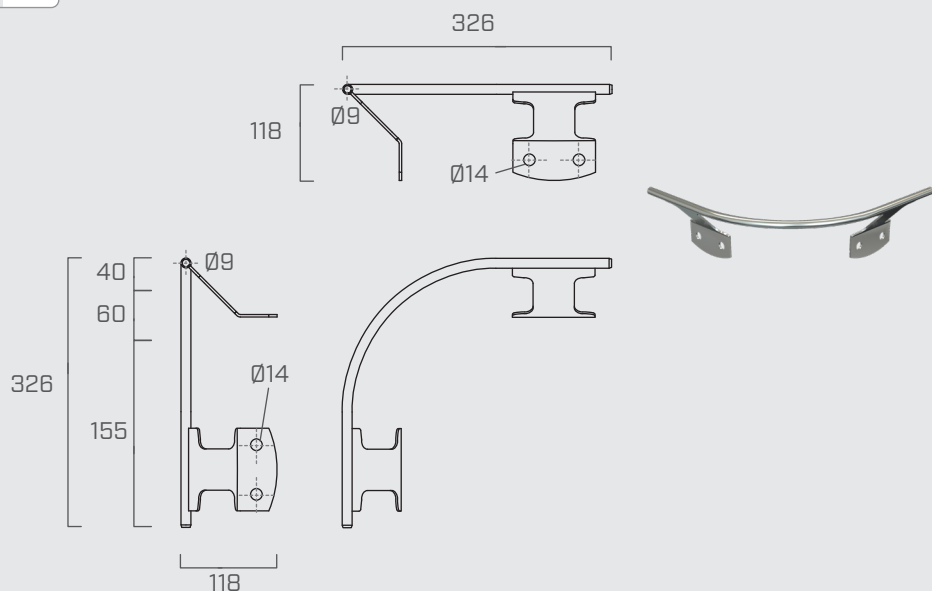


1.4301
AISI304
INOX
PAREX

1.4401
AISI316
INOX
PAREXA4

C20/25

S235



■ **PARINBEND - PARINBEND A4**

1.4301
AISI304
INOX

PARINBEND

1.4401
AISI316
INOX

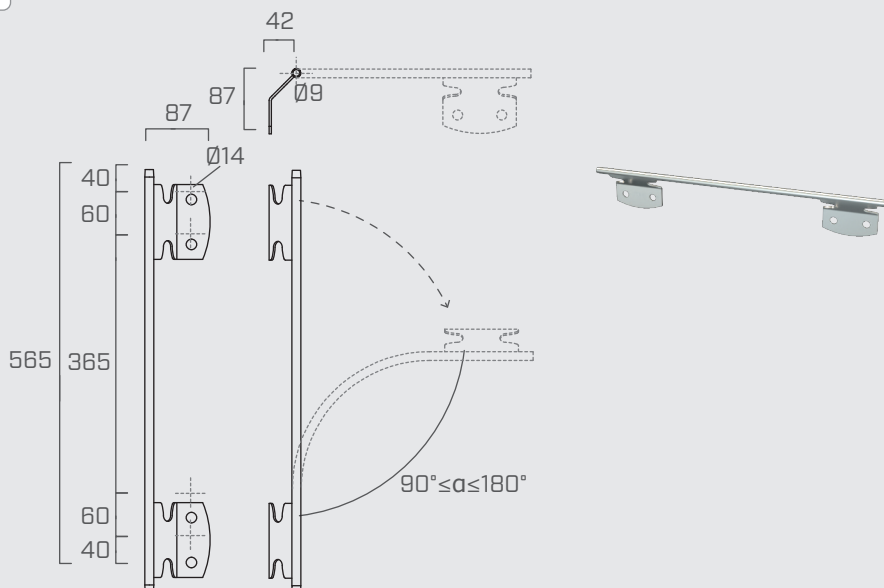
PARINBENDA4



C20/25



S235

■ **PAREXBEND - PAREXBEND A4**

1.4301
AISI304
INOX

PAREXBEND

1.4401
AISI316
INOX

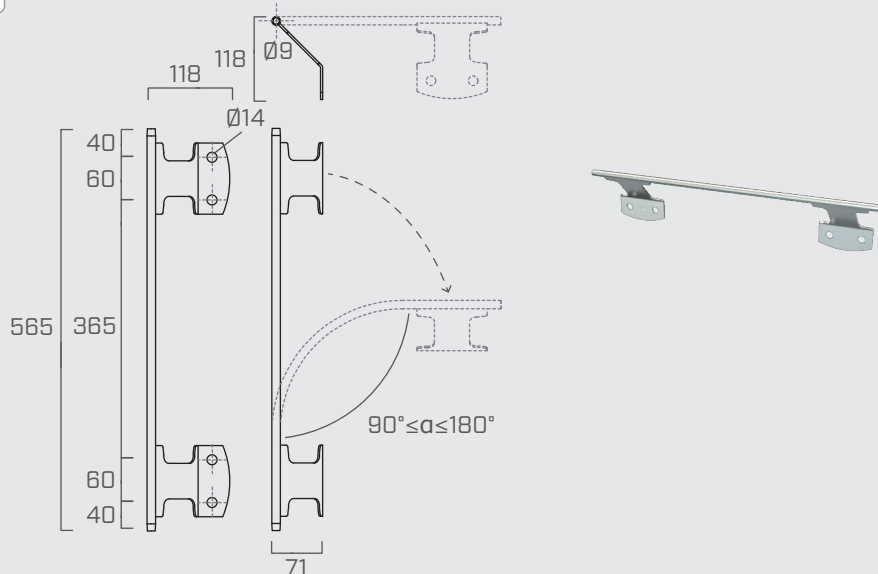
PAREXBENDA4



C20/25



S235



OHANGINT - OHANGINT A4

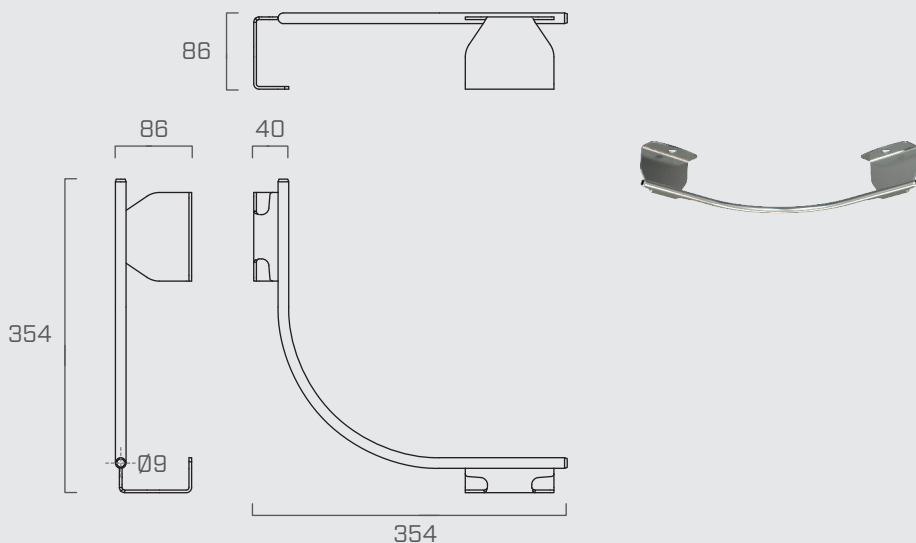


1.4301
AISI304
INOX
OHANGINT

1.4401
AISI316
INOX
OHANGINTA4

C20/25

S235



OHANGEXT - OHANGEXT A4

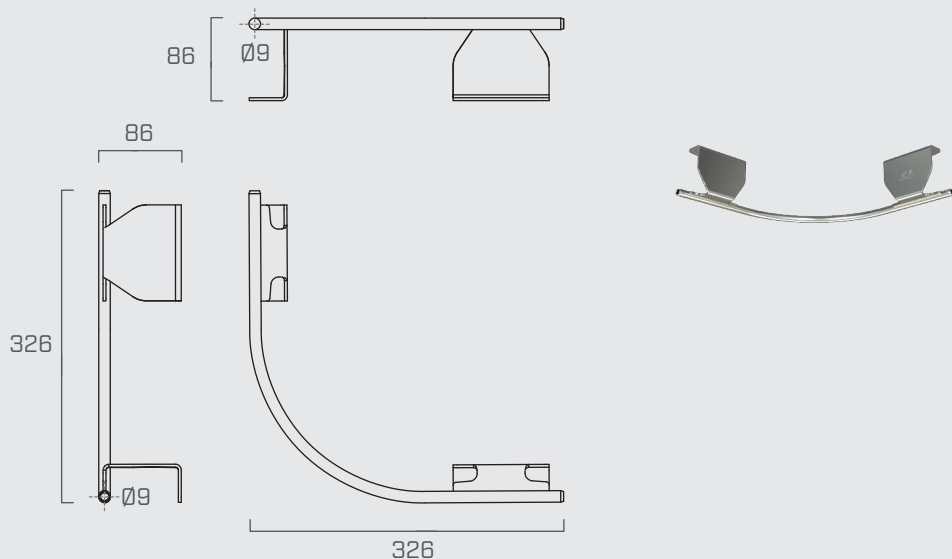


1.4301
AISI304
INOX
PAREXBEND

1.4401
AISI316
INOX
PAREXBENDA4

C20/25

S235



OHANGBEND - OHANGBEND A4



1.4301
AISI304
INOX

OHANGBEND

1.4401
AISI316
INOX

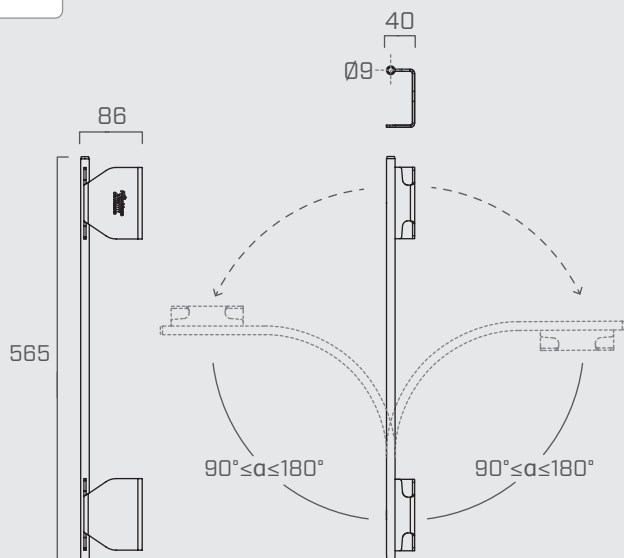
OHANGBENDA4



C20/25



S235



■ SLIDE - SLIDE A4

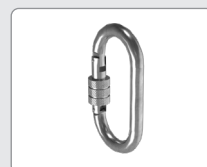
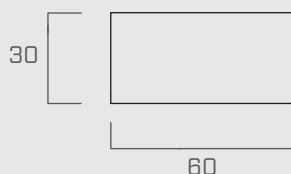
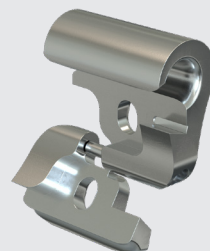
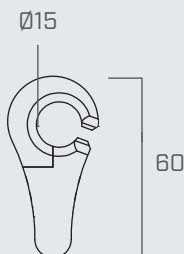
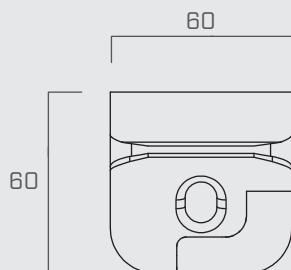


1.4301
AISI304
INOX
SLIDE

1.4401
AISI316
INOX
SLIDEA4



SLIDE1-SLIDE2-OHSLIDE
Installation
Manual



INCLUDED IN THE PACKAGE
CARSCREW [AZ 011]

■ SLIDE 2 - SLIDE 2 A4

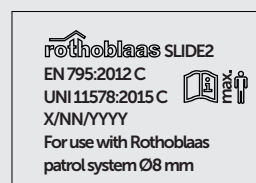
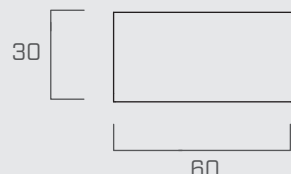
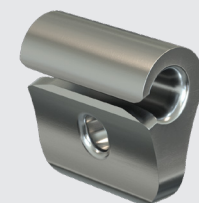
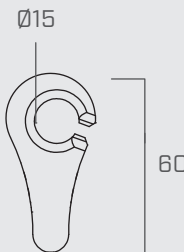
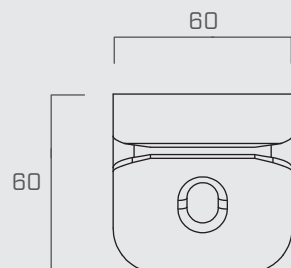


1.4301
AISI304
INOX
SLIDE2

1.4401
AISI316
INOX
SLIDE2A4



SLIDE1-SLIDE2-OHSLIDE
Installation
Manual



INCLUDED IN THE PACKAGE
CARSCREW [AZ 011]

OHSLIDE - OHSLIDE A4

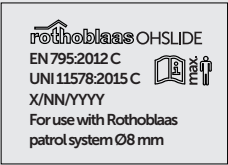
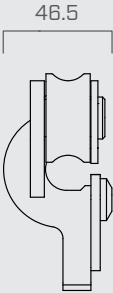
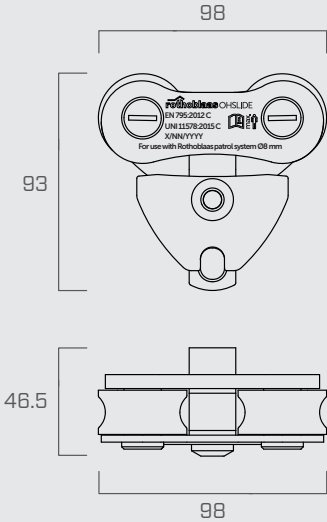


1.4301
AISI304
INOX
OHSLIDE

1.4401
AISI316
INOX
OHSLIDEA4



SLIDE1-SLIDE2-OHSLIDE
Installation
Manual



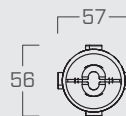
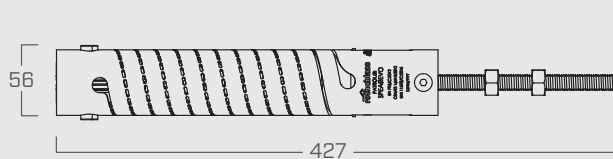
INCLUDED IN THE PACKAGE
CARSCREW (AZ 011)

SPEAREVO - SPEAREVO A4

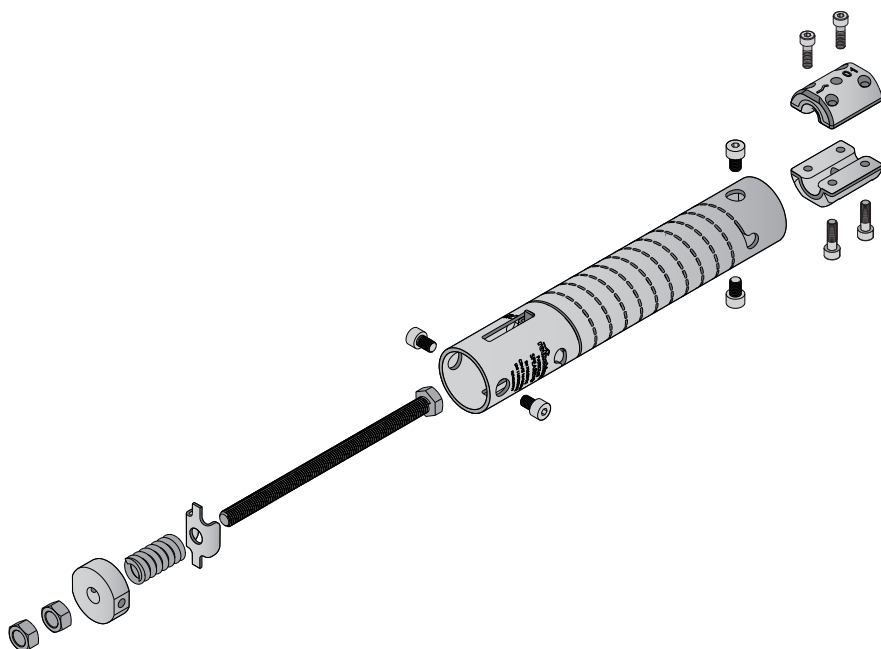


1.4301
AISI304
INOX
SPEAREVO

1.4401
AISI316
INOX
SPEAREVOA4



INCLUDED IN THE PACKAGE



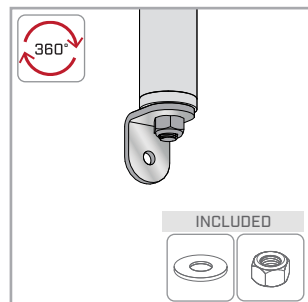
SUPPORT INSTALLATION ON TOWER



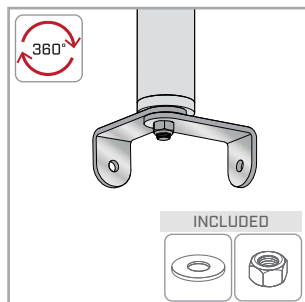
TOWER
TOWERA2
Installation
Manual

TOWER
TOWERA2
Safety
Regulations

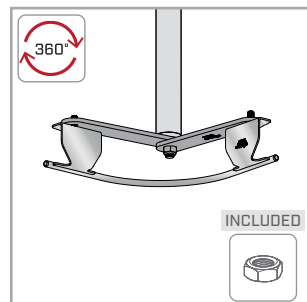
TOWER + PATROLTERM



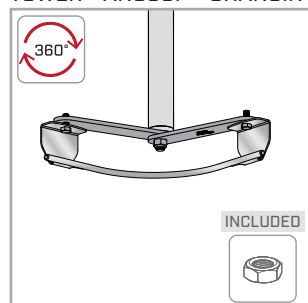
TOWER + PATROLTERML



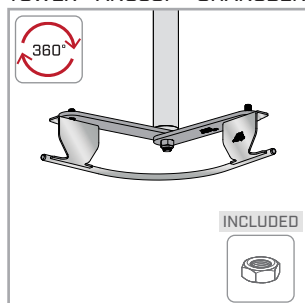
TOWER + ANGSUP + OHANGEXT



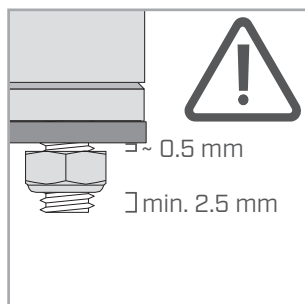
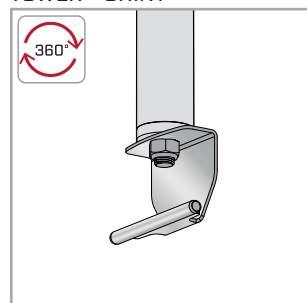
TOWER + ANGSUP + OHANGINT



TOWER + ANGSUP + OHANGBEND



TOWER + OHINT



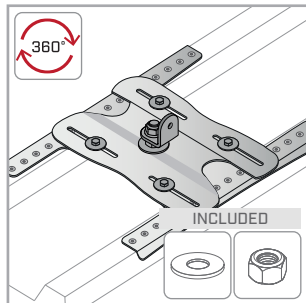
SUPPORT INSTALLATION ON SHIELD



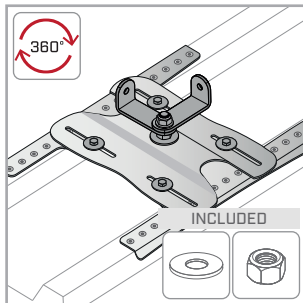
SHIELD
Installation
Manual

SHIELD
Safety
Regulations

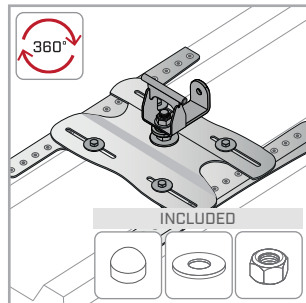
SHIELD + PATROTERM



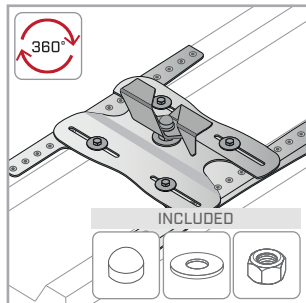
SHIELD + PATROTERM L



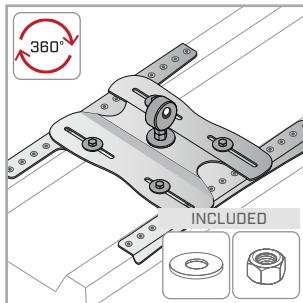
SHIELD + PATROTERM L + PASINT



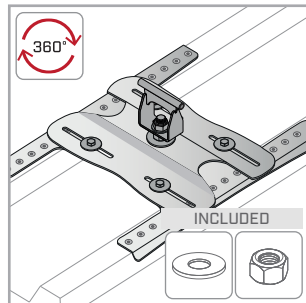
SHIELD + PATROLINT



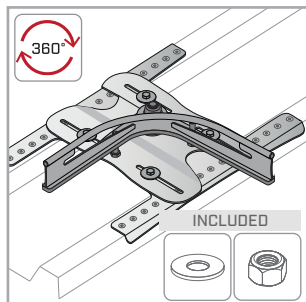
SHIELD + PATROLMED



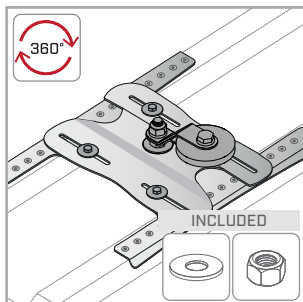
SHIELD + PASINT



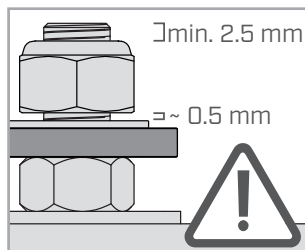
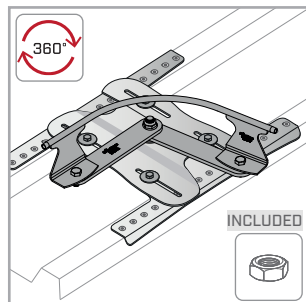
SHIELD + PASANG



SHIELD + PATROLANG



SHIELD + ANG SUP + PASANG BEND



SUPPORT INSTALLATION ON SHIELD 2



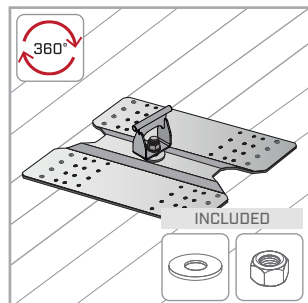
SHIELD2
Installation
Manual

+

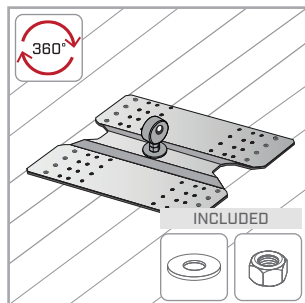


SHIELD2
Safety
Regulations

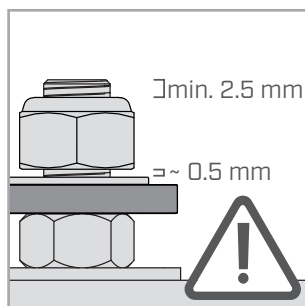
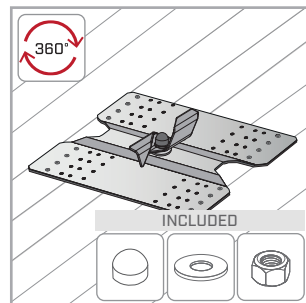
SHIELD 2 + PASINT



SHIELD 2 + PATROLMED



SHIELD 2 + PATROLINT

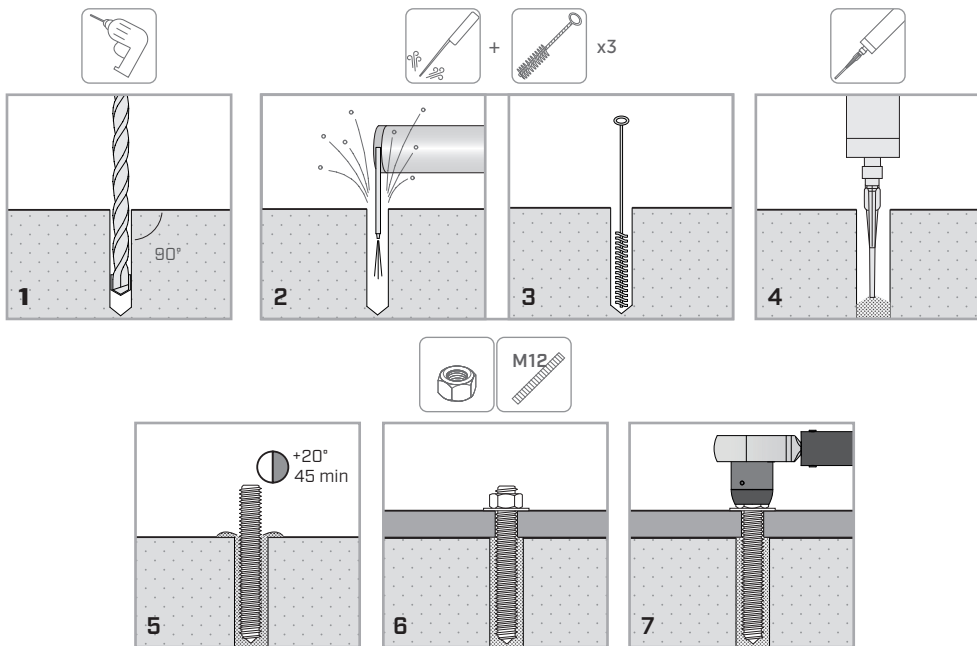


SUBSTRUCTURE INSTALLATION

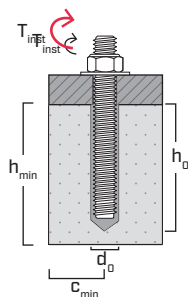
CONCRETE



C20/25



M12 - 5.8 min



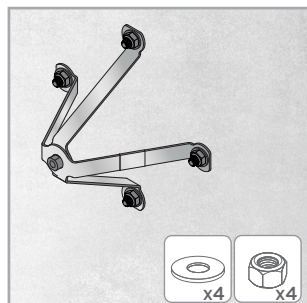
d	$=$	12	mm	d_0	$=$	14	mm
L	$\geq$	$h_{ef} + 25$	mm	h_{ef}	$=$	70	mm
T_{inst}	$=$	40	Nm	h_{min}	$=$	$h_{ef} + 30$	≥ 100 mm
				c_{min}	$\geq$	60	mm

■ **CONCRETE**

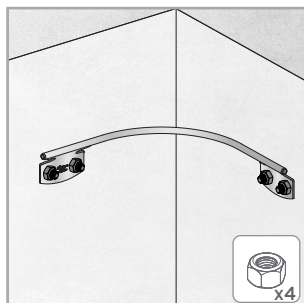
4 X M12



PAREND



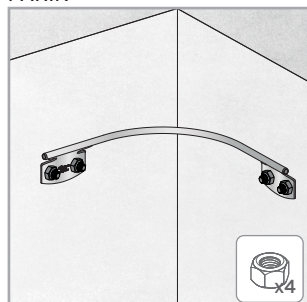
PARINBEND



PAREXBEND



PARIN

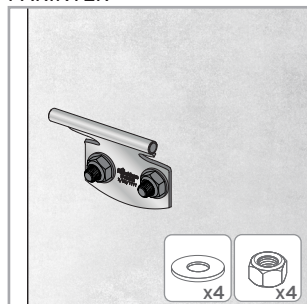


PAREX

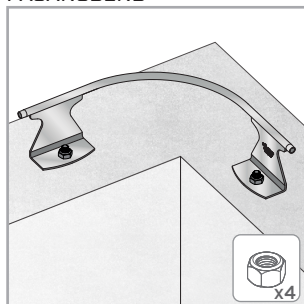


2 X M12

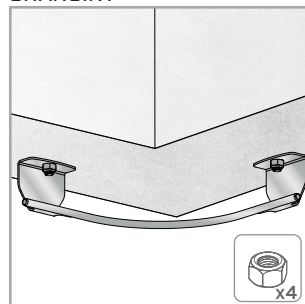
PARINTER



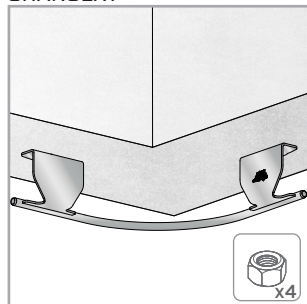
PASANGBEND



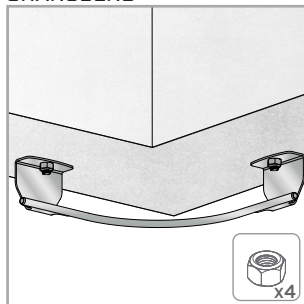
OHANGINT



OHANGEXT



OHANGBEND





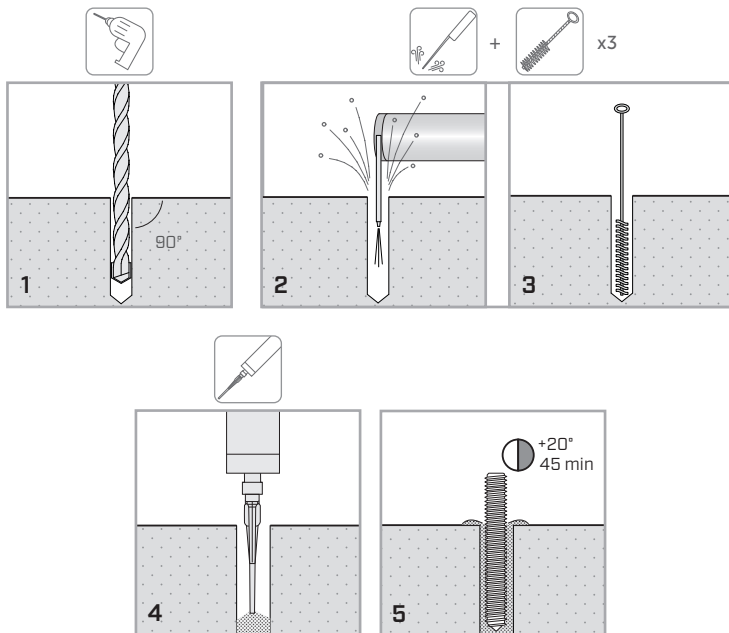
C20/C25



VIN-FIX



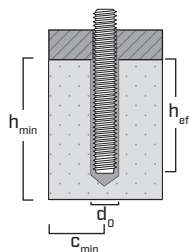
SELF-LOCKING
NUT



M16 - 5.8 min

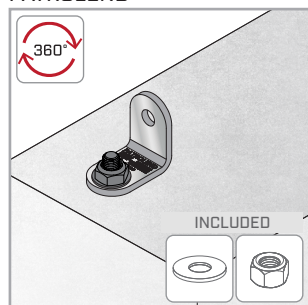


VIN-FIX
ETA 20/0363

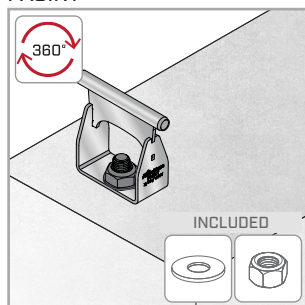


d	$=$	16 mm	d_0	$=$	18 mm
L	$\geq$	$h_{ef} + 30$ mm	h_{ef}	$=$	80 mm
c_{min}	$\geq$	80 mm	h_{min}	$=$	$h_{ef} + 30 \geq 100$ mm

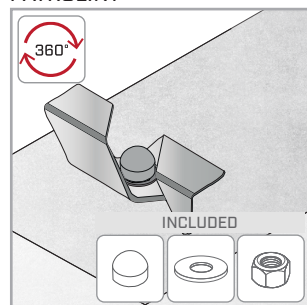
PATROLEND



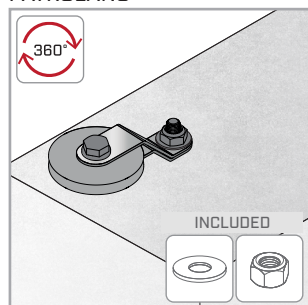
PASINT



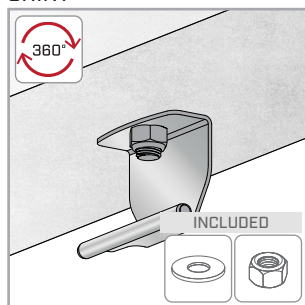
PATROLINT



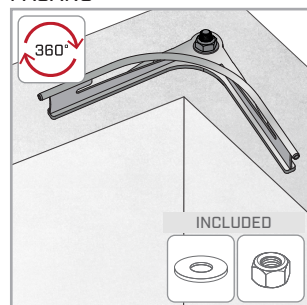
PATROLANG



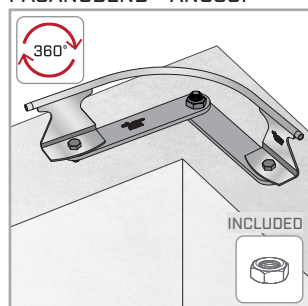
OHINT



PASANG



PASANGBEND + ANGSUP



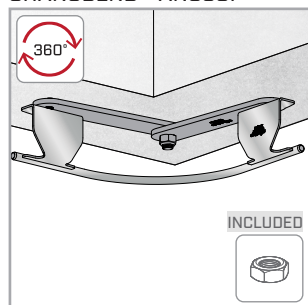
OHAGINT + ANGSUP



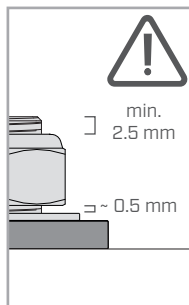
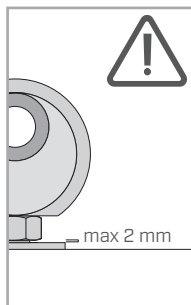
OHANGEXT + ANGSUP

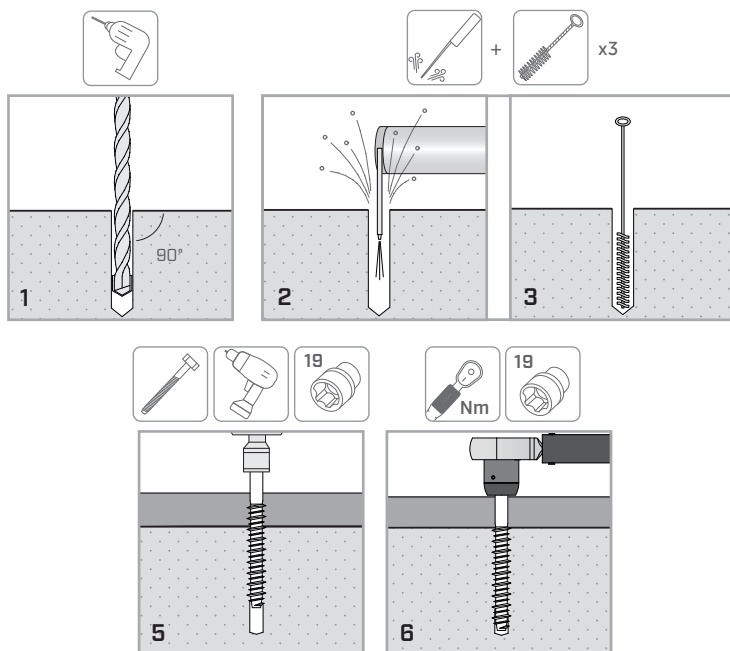
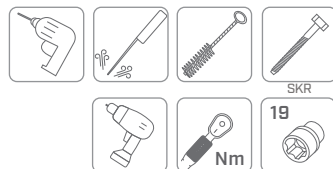


OHANGBEND + ANGSUP

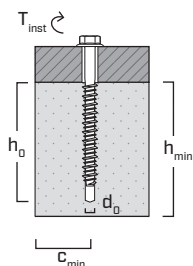
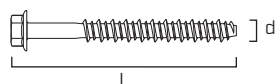


PATROLMED





SKR CE 12 x 90 mm

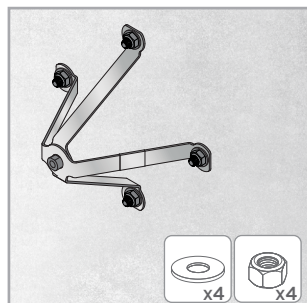


d	$=$	12 mm	d_0	$=$	10 mm
L	$=$	90 mm	h_1	$=$	100 mm
T_{inst}	$=$	80 Nm	h_{min}	$\geq$	130 mm
			c_{min}	$\geq$	96 mm

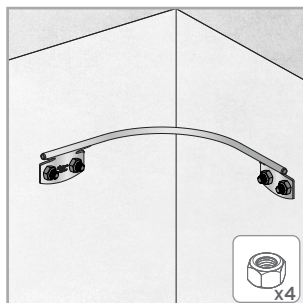
CONCRETE

4 X M12

PAREND



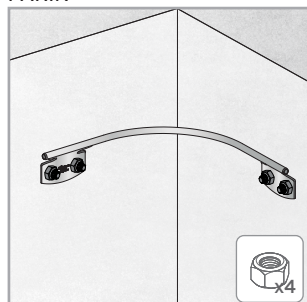
PARINBEND



PAREXBEND



PARIN

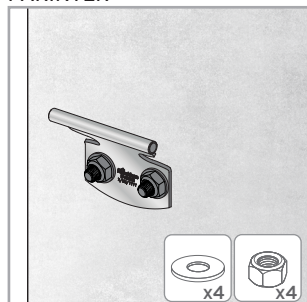


PAREX

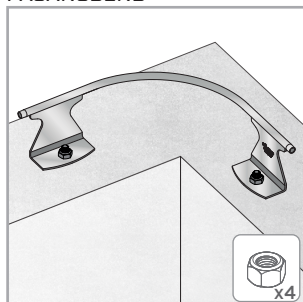


2 X M12

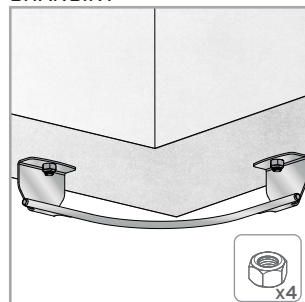
PARINTER



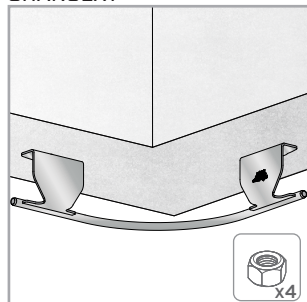
PASANGBEND



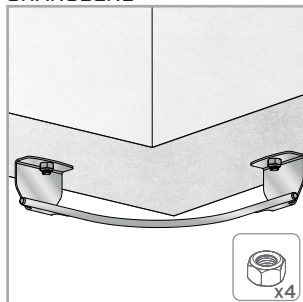
OHANGINT

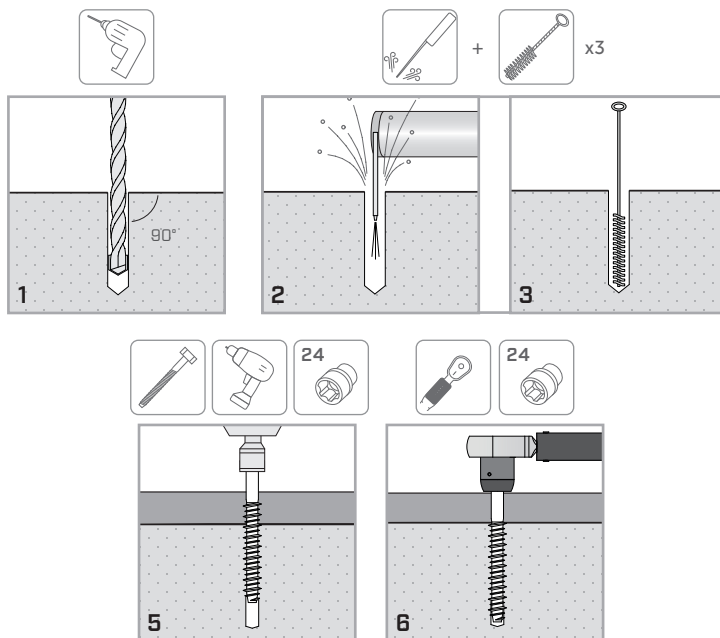
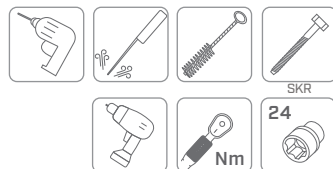


OHANGEXT

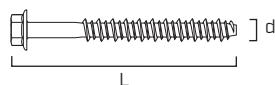
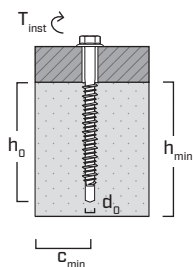


OHANGBEND



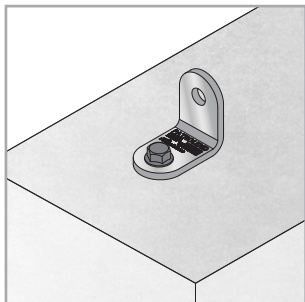


SKR CE 16 x 130 mm

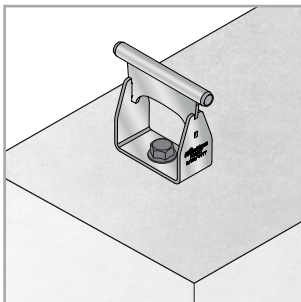


d	$=$	16 mm	d_0	$=$	14 mm
L	$=$	130 mm	h_1	$=$	140 mm
T_{inst}	$=$	160 Nm	h_{min}	$\geq$	170 mm
			c_{min}	$\geq$	80 mm

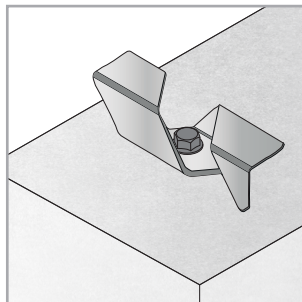
PATROLEND



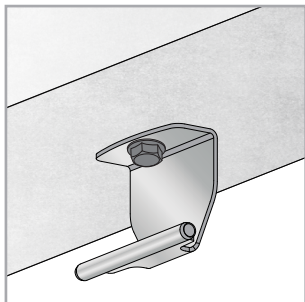
PASINT



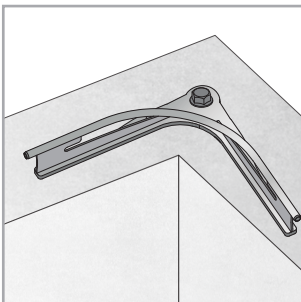
PATROLINT



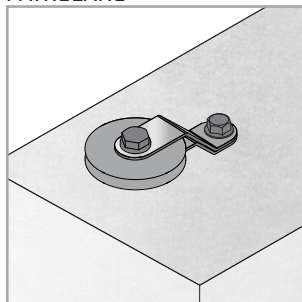
OHINT



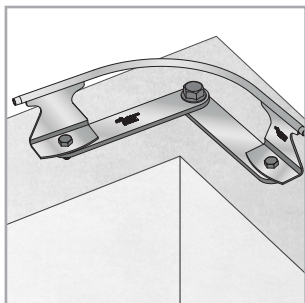
PASANG



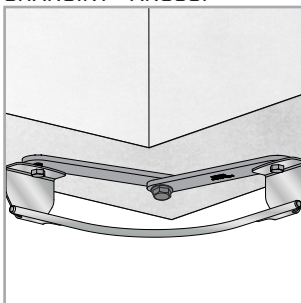
PATROLANG



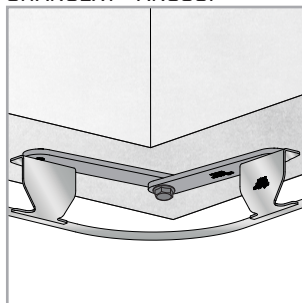
PASANGBEND + ANG SUP



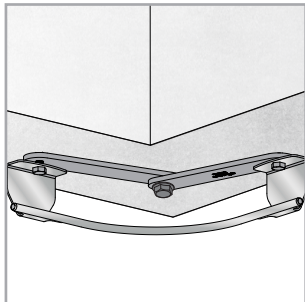
OHANGINT + ANG SUP



OHANGEXT + ANG SUP



OHANGBEND + ANG SUP





C20/C25



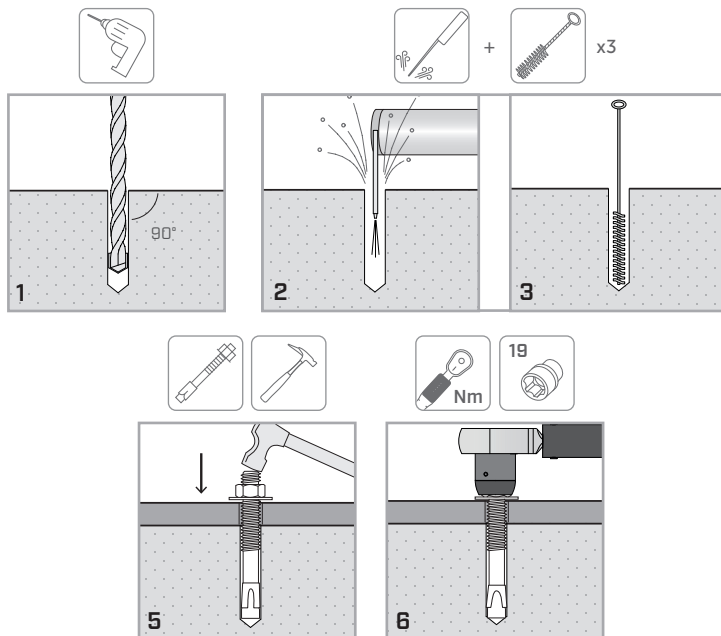
AB1



Nm



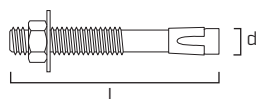
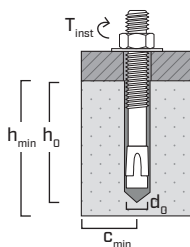
19



AB1 12 x 100 mm



AB1
ETA-17/0481



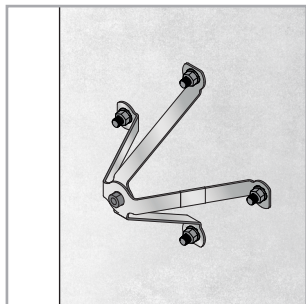
d	$=$	12 mm	d_0	$=$	12 mm
L	$=$	100 mm	h_1	$\geq$	85 mm
T_{inst}	$=$	60 Nm	h_{min}	$\geq$	140 mm
			c_{min}	$\geq$	70 mm

■ **CONCRETE**

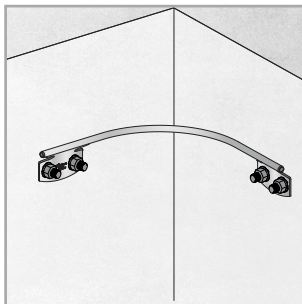
4 X M12



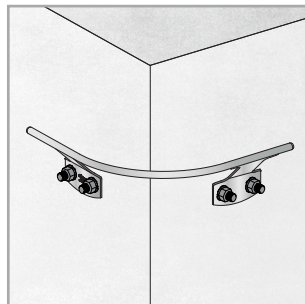
PAREND



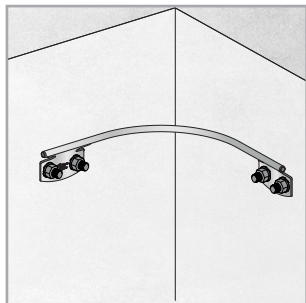
PARINBEND



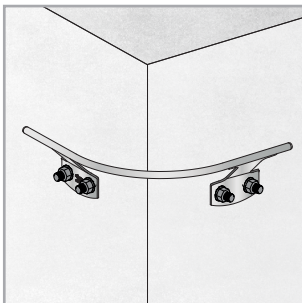
PAREXBEND



PARIN

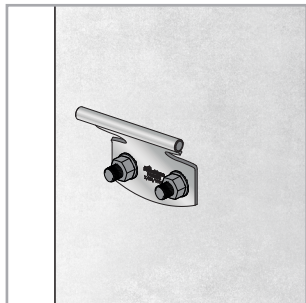


PAREX

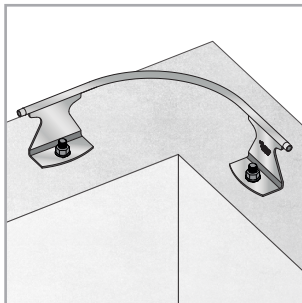


2 X M12

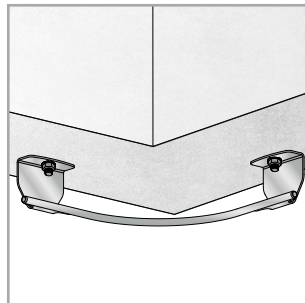
PARINTER



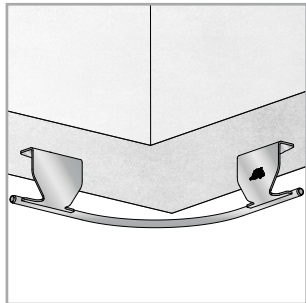
PASANGBEND



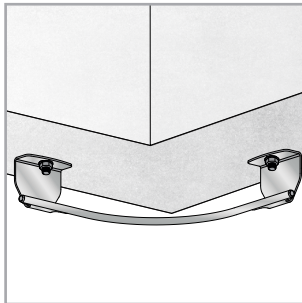
OHANGINT

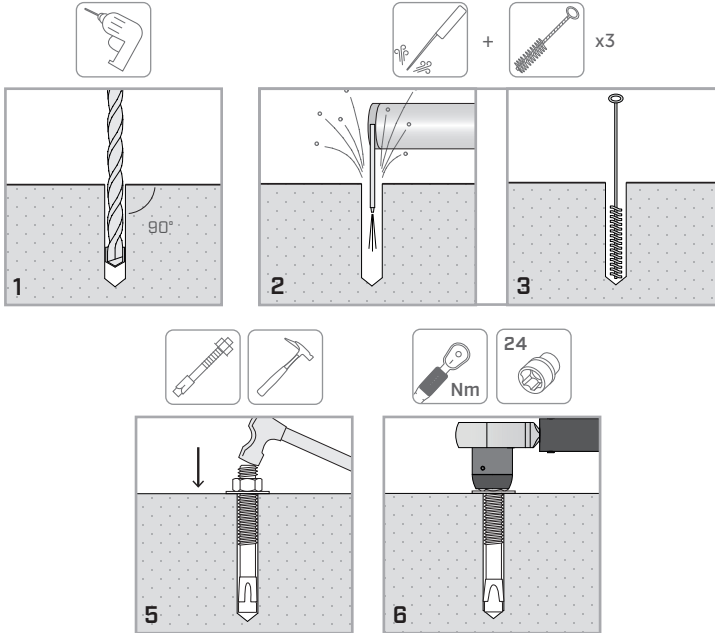
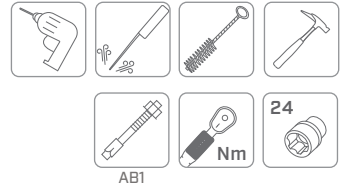


OHANGEXT

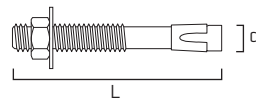
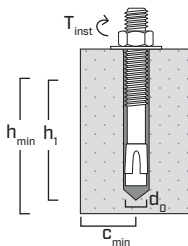


OHANGBEND





AB1 16 x 145 mm

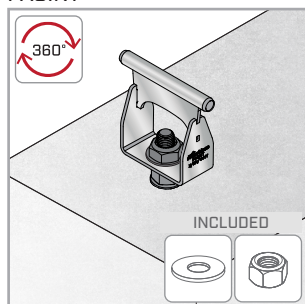


d	=	16	mm	d_0	=	16	mm
L	=	145	mm	h_t	≥	105	mm
T_{inst}	=	100	Nm	h_{min}	≥	170	mm
				c_{min}	≥	85	mm

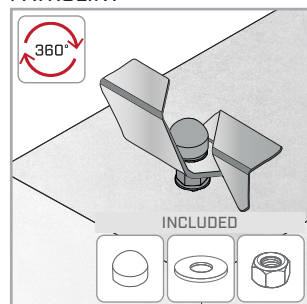
PATROLEND



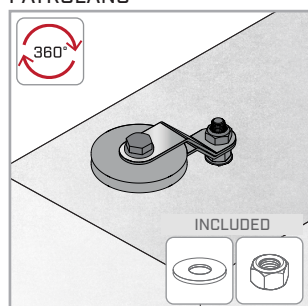
PASINT



PATROLINT



PATROLANG



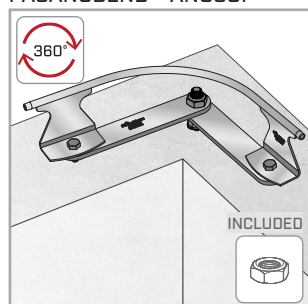
OHINT



PASANG



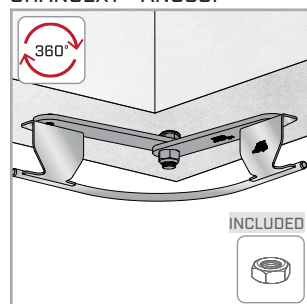
PASANGBEND + ANGSUP



OHAGINT + ANGSUP



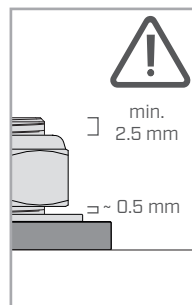
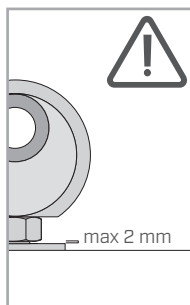
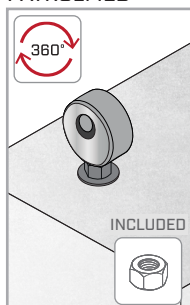
OHANGEXT + ANGSUP



OHANGBEND + ANGSUP



PATROLMED

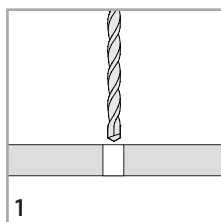




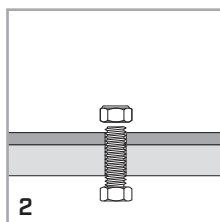
S235



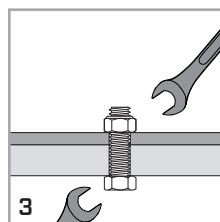
SELF-LOCKING NUT



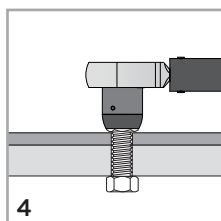
1



2

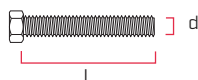
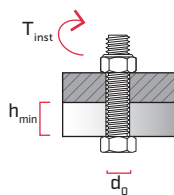


3



4

M12 - A2-70

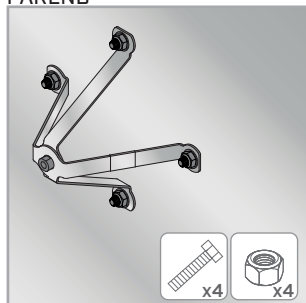


d	$=$	12 mm	d_0	$=$	12,5 mm
L	$\geq$	$h_{min} + 25$ mm	h_{min}	$\geq$	5 mm
A2-70	$\triangleright$	$T_{inst} = 30$ Nm			

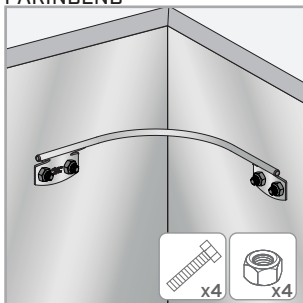
STEEL

4 X M12

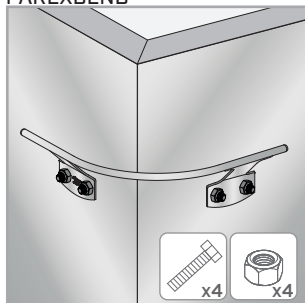
PAREND



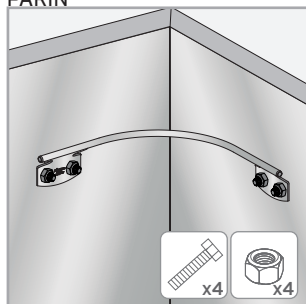
PARINBEND



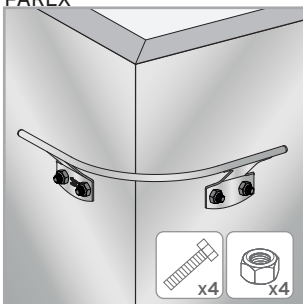
PAREXBEND



PARIN

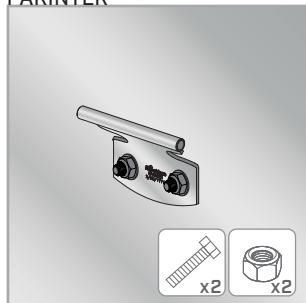


PAREX

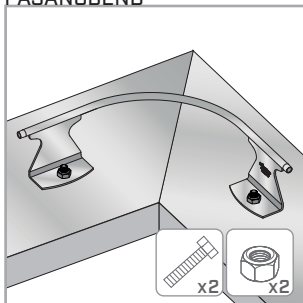


2 X M12

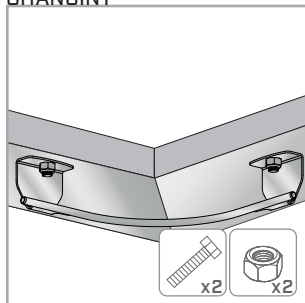
PARINTER



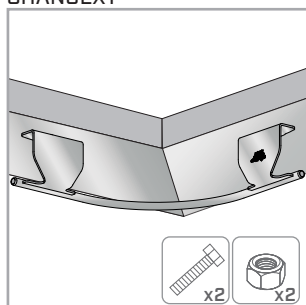
PASANGBEND



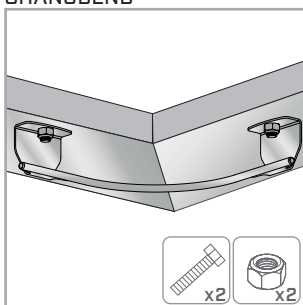
OHANGINT

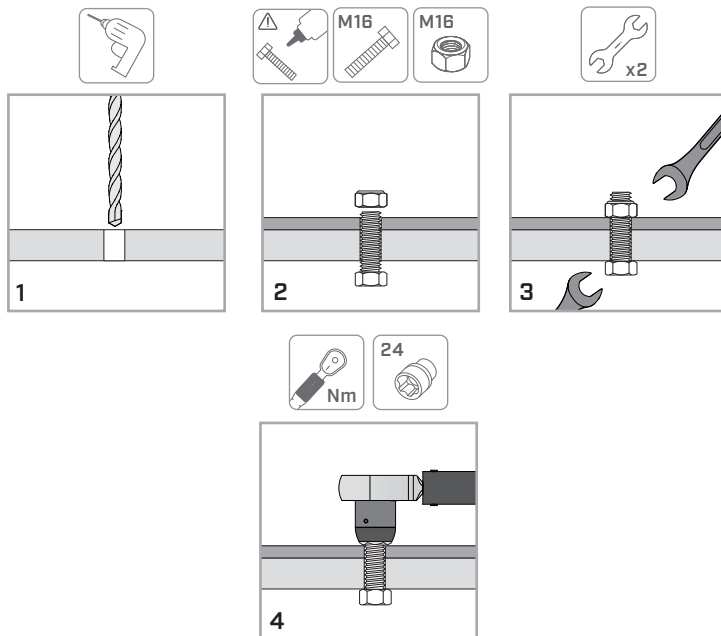


OHANGEXT

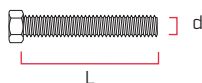
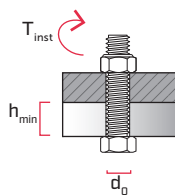


OHANGBEND



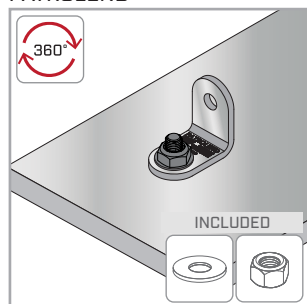


M16 - A2-70

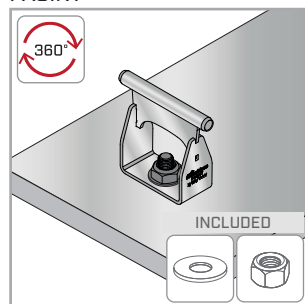


d	$=$	16	mm	d_0	$=$	16,5	mm
L	$\geq$	$h_{min} + 45$	mm	h_{min}	$\geq$	5	mm

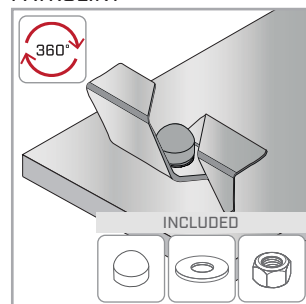
PATROLEND



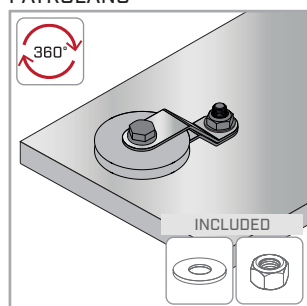
PASINT



PATROLINT



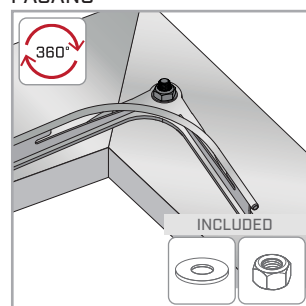
PATROLANG



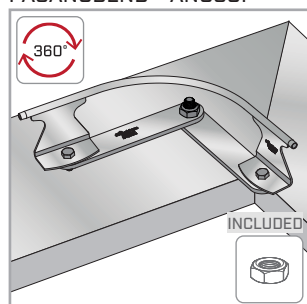
OHINT



PASANG



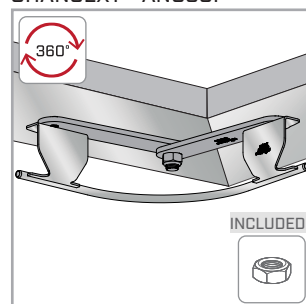
PASANGBEND + ANGSUP



OHAGINT + ANGSUP



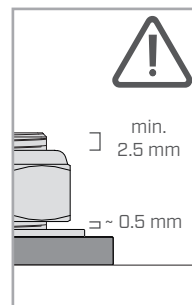
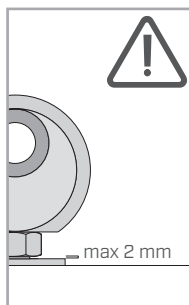
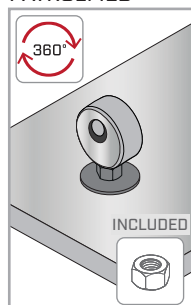
OHANGEXT + ANGSUP



OHANGBEND + ANGSUP

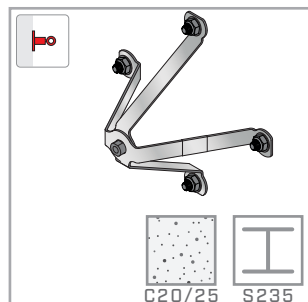


PATROLMED

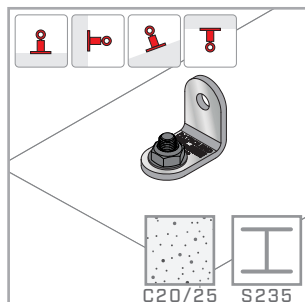


■ TERMINAL SUPPORTS INSTALLATION

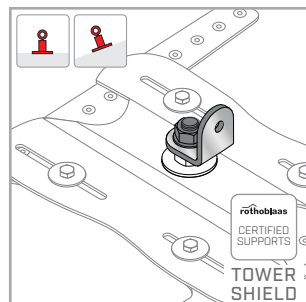
PAREND



PATROLEND



PATROLTERM

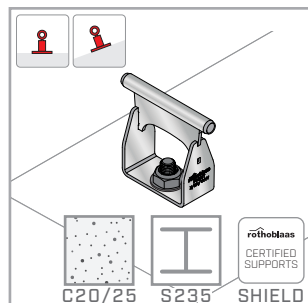


PATROLANG

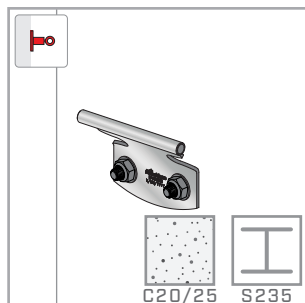


■ INTERMEDIATE SUPPORTS INSTALLATION

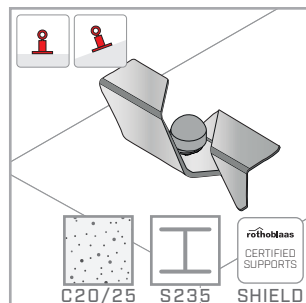
PASINT



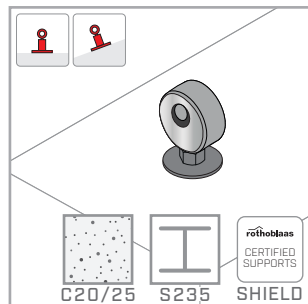
PARINTER



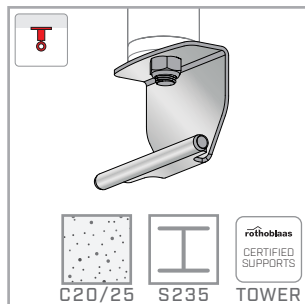
PATROLINT



PATROLMED



OHINT

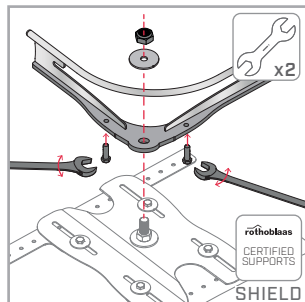


CORNER SUPPORTS INSTALLATION

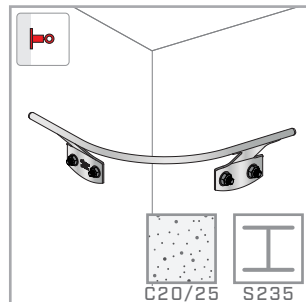
PASANG



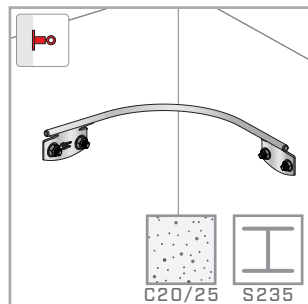
PASANG + SHIELD



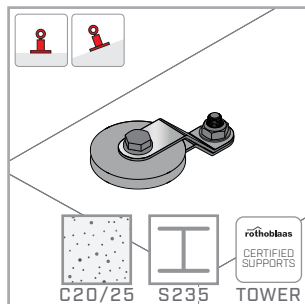
PARIN



PAREX

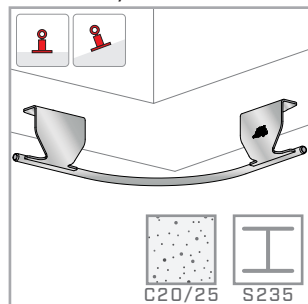


PAREX

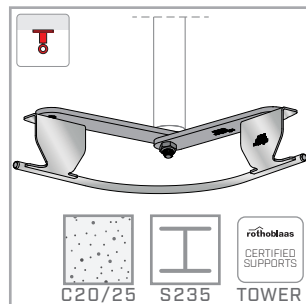
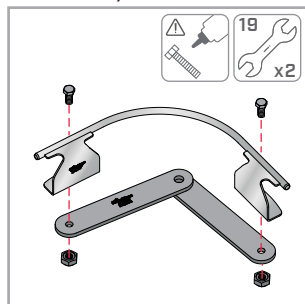


CORNER INSTALLATION

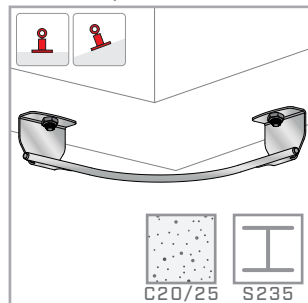
OHANGEXT/OHANGBEND



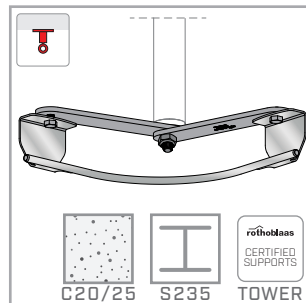
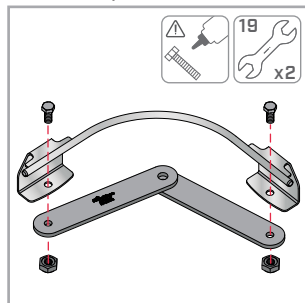
OHANGEXT/OHANGBEND + ANG SUP



OHANGINT/OHANGBEND

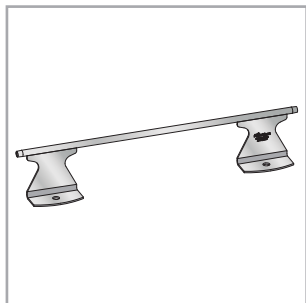


OHANGINT/OHANGBEND + ANG SUP

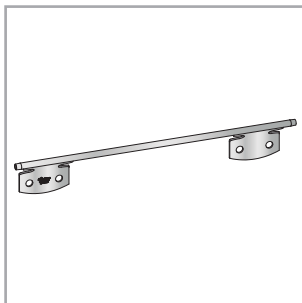


■ ADJUSTABLE CORNER SUPPORT INSTALLATION

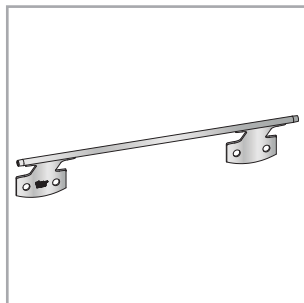
PASANGBEND



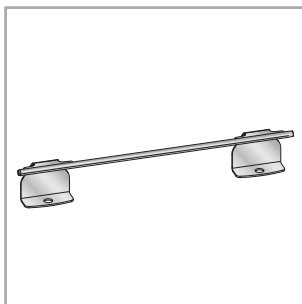
PAREXBEND



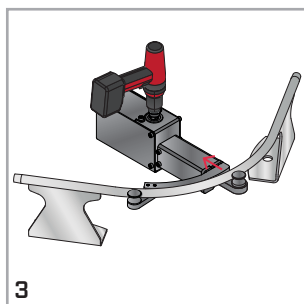
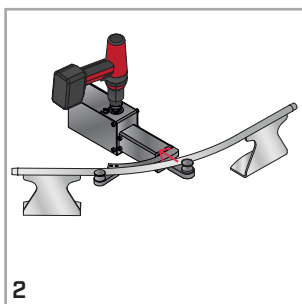
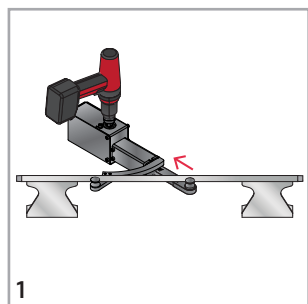
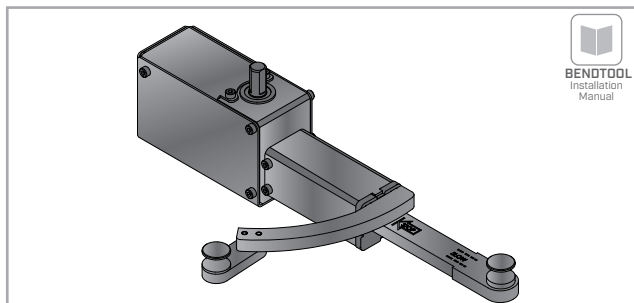
PARINBEND



QHANGBEND

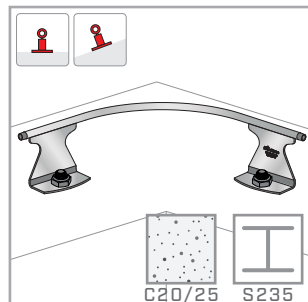


BENDTOOL

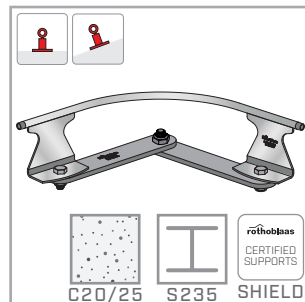
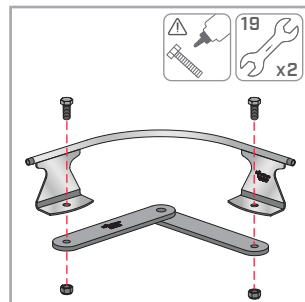


■ ADJUSTABLE CORNER SUPPORT INSTALLATION

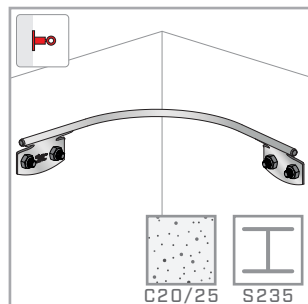
PASANGBEND



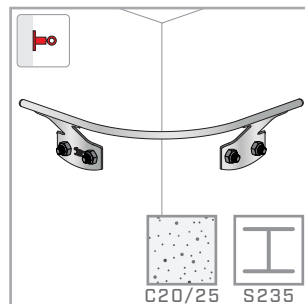
PASANGBEND + ANG SUP



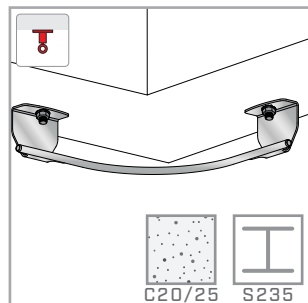
PARINBEND



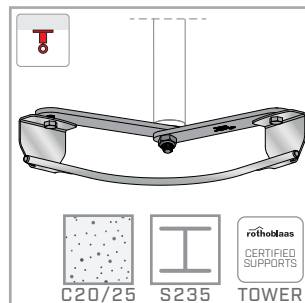
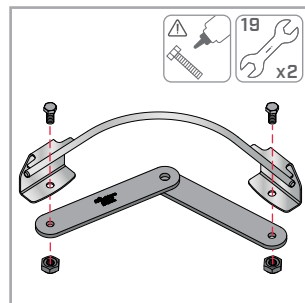
PAREXBEND



OHANGBEND



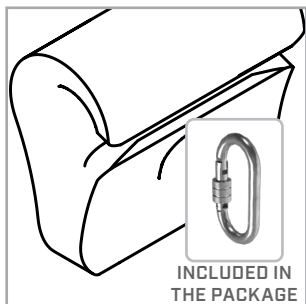
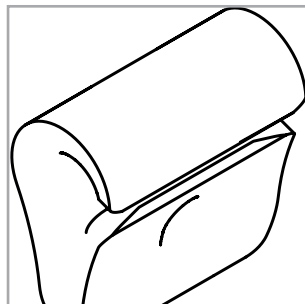
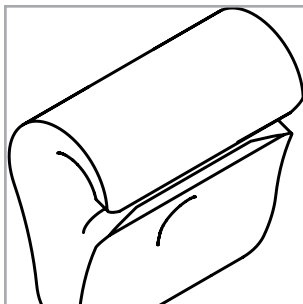
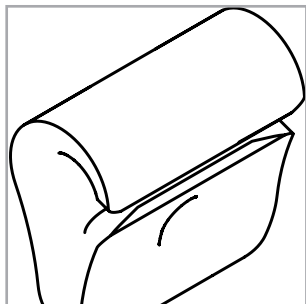
OHANGBEND + ANG SUP



■ SLIDE 2 INSTALLATION

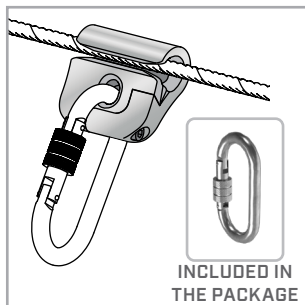
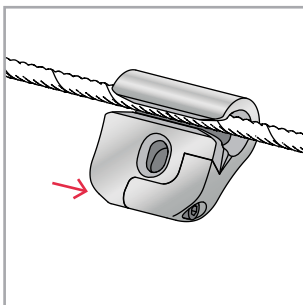
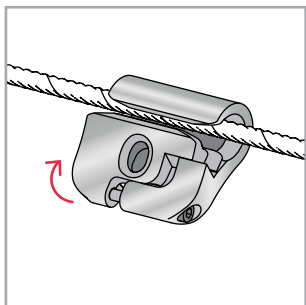
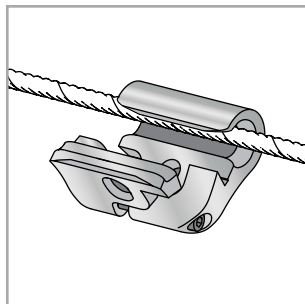
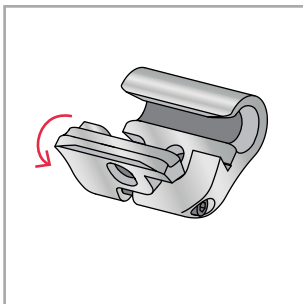
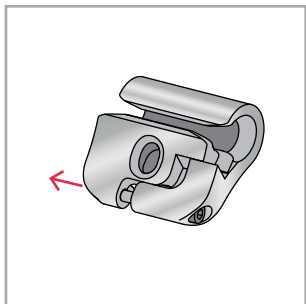


SLIDE - SLIDE2 - OHSLIDE
Installation
Manual



SLIDE - SLIDE2 - OHSLIDE
Installation
Manual

■ SLIDE 1 INSTALLATION

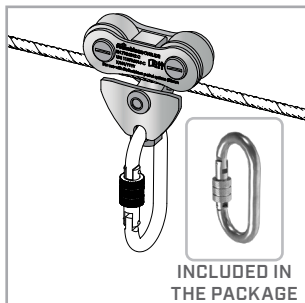
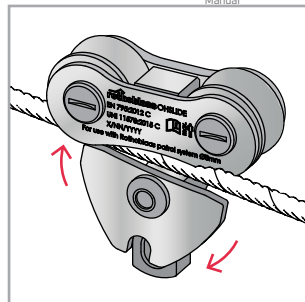
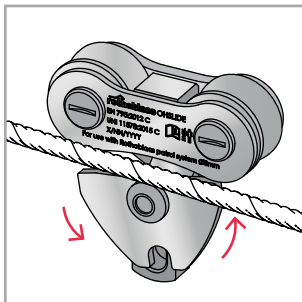
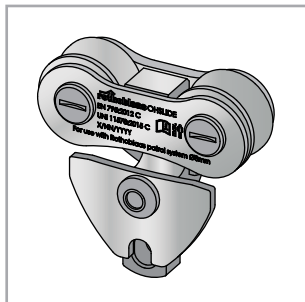


LIFELINE INSTALLATION

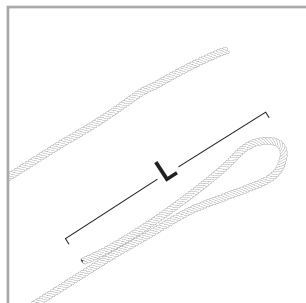
OHSLIDE INSTALLATION



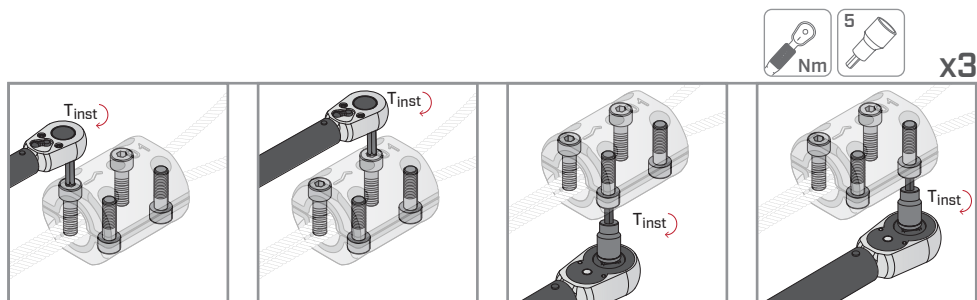
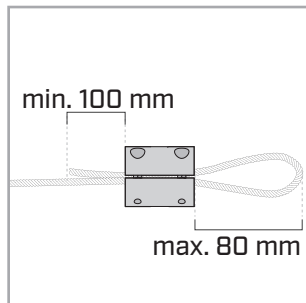
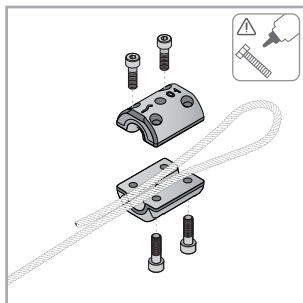
SLIDE - SLIDE2 - OHSLIDE
Installation
Manual



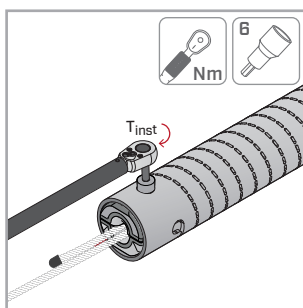
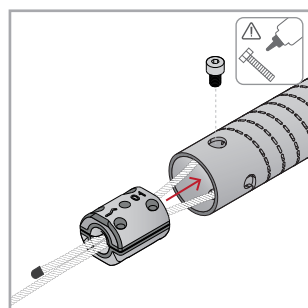
SPEAREVO INSTALLATION



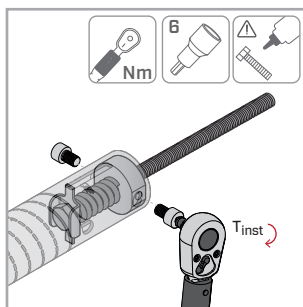
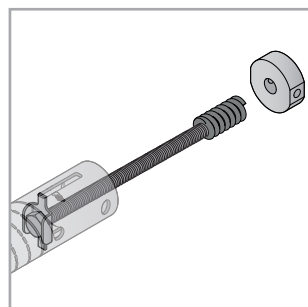
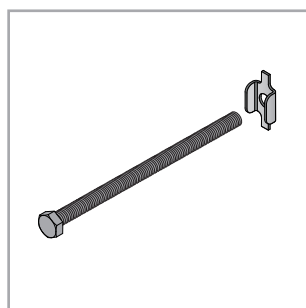
$L = \text{min. } 200 \text{ mm}$



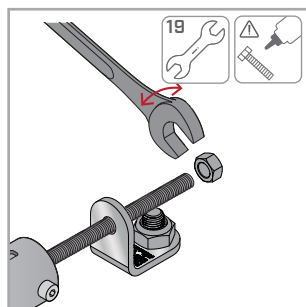
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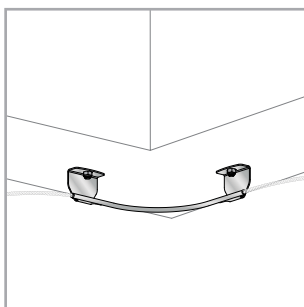
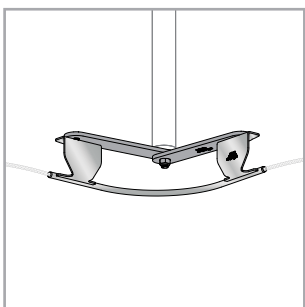
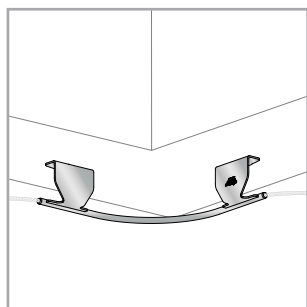
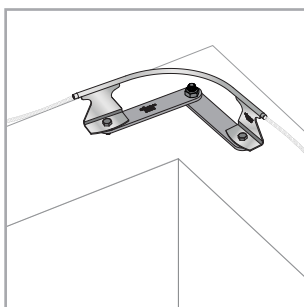
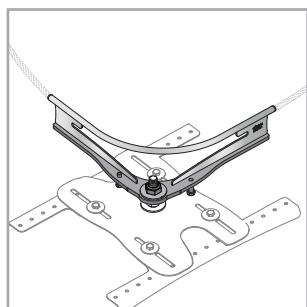
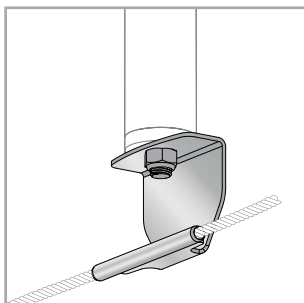
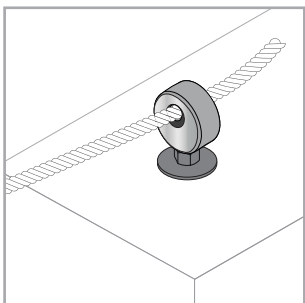
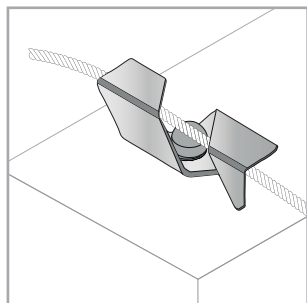
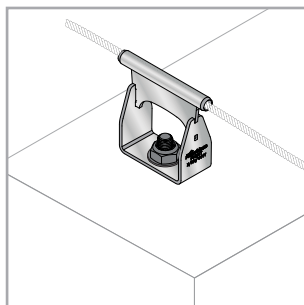
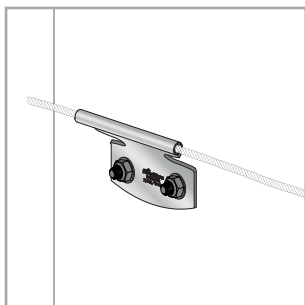
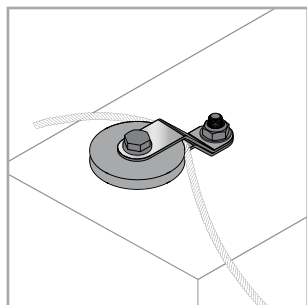
$T_{\text{inst}} = 15 \text{ Nm}$



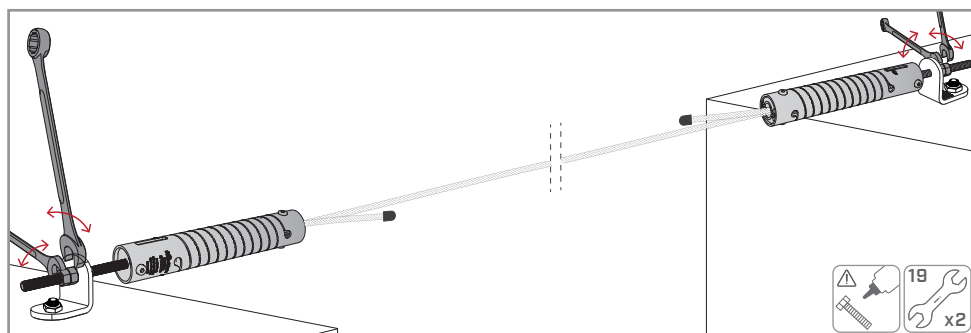
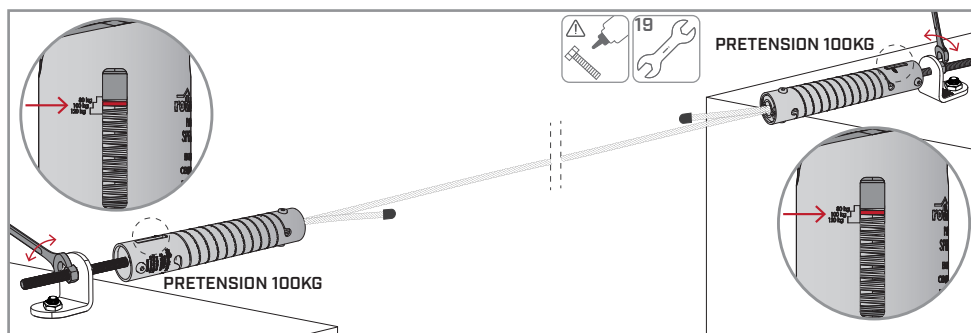
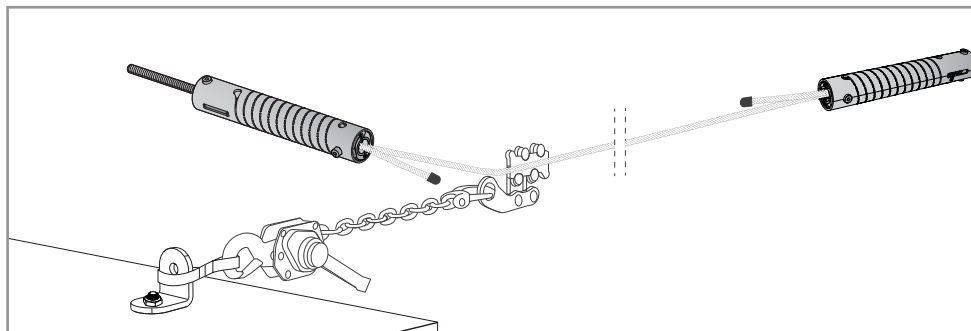
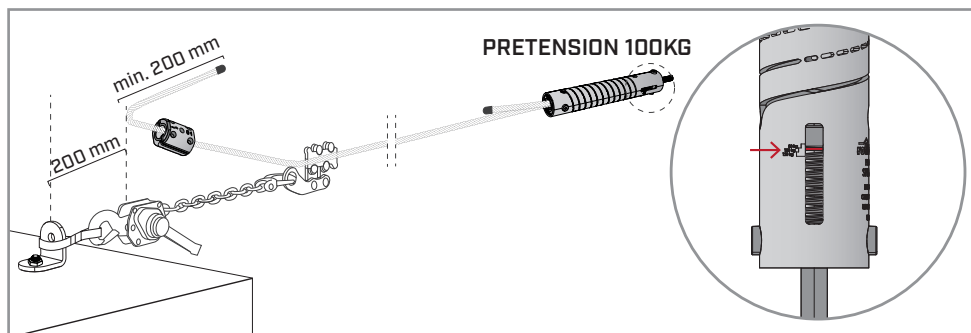
$T_{\text{inst}} = 15 \text{ Nm}$



LIFELINE INSTALLATION
■ CABLE INSTALLATION



SPEAREVO INSTALLATION





Rotho Blaas SRL

05-24

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