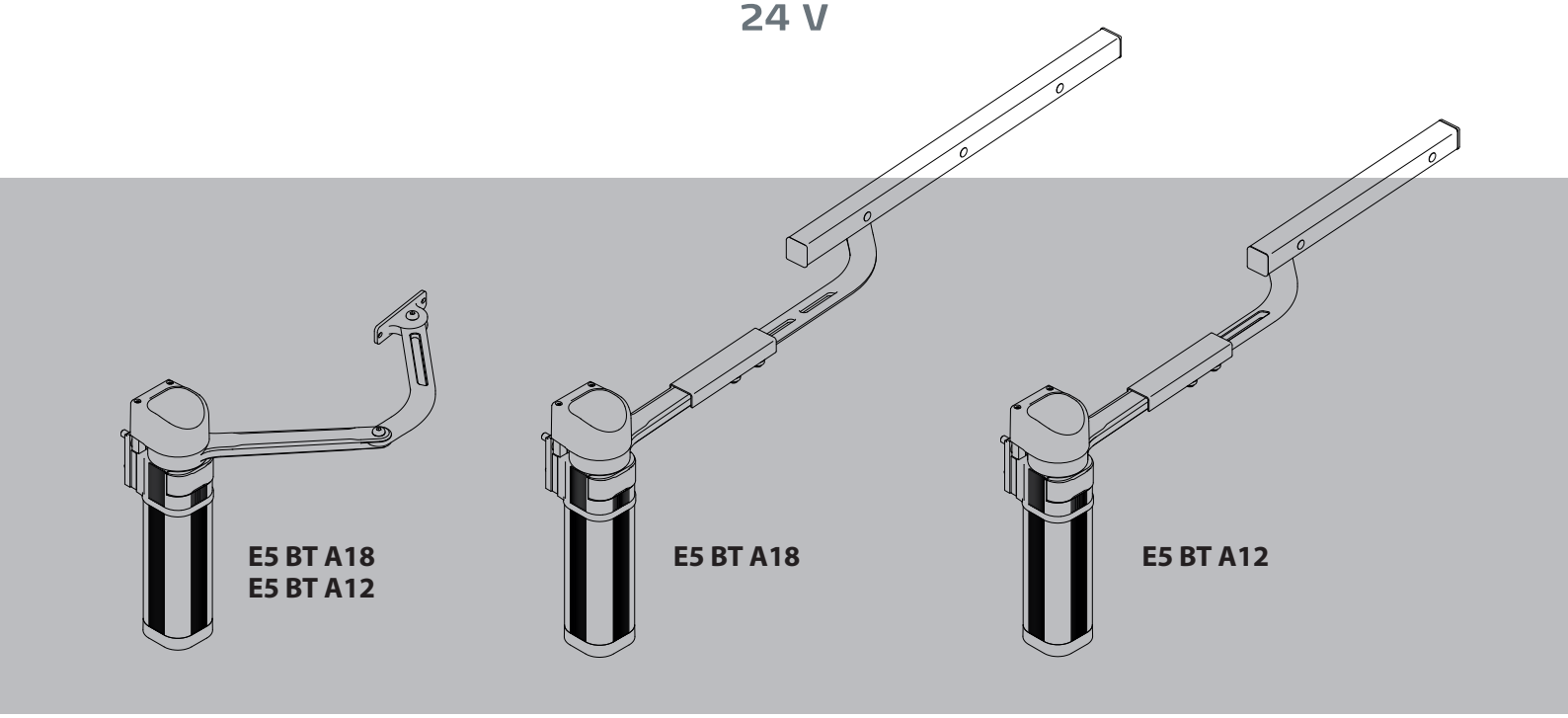
E5 BT A18
E5 BT A12

24 V



D814068 0AA00_03 09-09-19

ISTRUZIONI D'USO E DI INSTALLAZIONE
INSTALLATION AND USER'S MANUAL
INSTRUCTIONS D'UTILISATION ET D'INSTALLATION
INSTALLATIONS-UND GEBRAUCHSANLEITUNG
INSTRUCCIONES DE USO Y DE INSTALACION
GEBRUIKS- EN INSTALLATIEAANWIJZINGEN

AUTOMAZIONI A BRACCIO PER CANCELLI A BATTENTE
ARM AUTOMATIONS FOR SWING GATES
AUTOMATISATIONS AU BRAS POUR PORTAILS BATTANTS
ARM AUTOMATISIERUNGEN FÜR SCHWINGTORE
AUTOMATIZACIONES DE BRAZO PARA PUERTAS BATIENTES
AUTOMATISERINGEN MET ARM VOOR VLEUGELPOORTEN

Attenzione! Leggere attentamente le "Avvertenze" all'interno! **Caution!** Read "Warnings" inside carefully! **Attention!** Veuillez lire attentivement les Avertissements qui se trouvent à l'intérieur! **Achtung!** Bitte lesen Sie aufmerksam die „Hinweise" im Inneren! **¡Atención¡** Leer atentamente las "Advertencias" en el interior! **Let op!** Lees de "Waarschuwingen" aan de binnenkant zorgvuldig!

UNAC

CE

AZIENDA CON
SISTEMA DI GESTIONE
CERTIFICATO DA DNV GL
= ISO 9001 =
= ISO 14001 =

8 027908 556820 >

BFT

1) GENERALITÀ
L'automazione E5, è costituita da un compatto motoriduttore elettromeccanico di minimo ingombro, che grazie alla sua versatilità può essere applicato su qualsiasi pilastro o colonnina. Il bloccaggio del cancello in chiusura è garantito da una elettroserratura, e la manovra manuale d'emergenza si esegue facilmente, dopo avere sbloccato l'elettroserratura con la chiave personalizzata in dotazione, grazie alla reversibilità del motoriduttore.
La totale sicurezza contro lo schiacciamento è garantita da una frizione a dischi multipli, ed il funzionamento a fine corsa è regolato con encoder.

1) IN GENERAL
The E5 automation consists of a compact electromechanical gearmotor of minimum size, which can be applied on any pillar or column, due to its versatility. The locking of the gate at closing is ensured by an electric lock, and the manual emergency manoeuvre can be easily performed, after having unlocked the electric lock using the personalised key provided, thanks to the reversibility of the gear motor.
Total safety against crushing is ensured by a multiple disc clutch, and the end-of-stroke operation is regulated with an encoder.

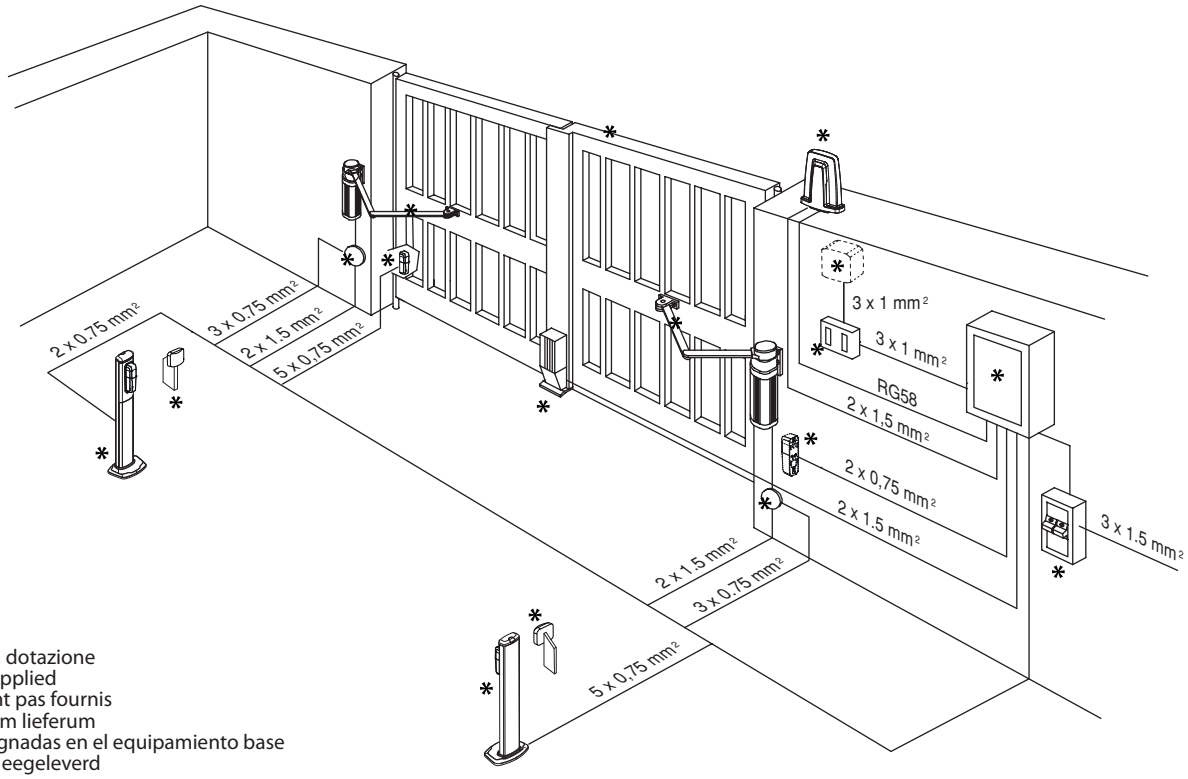
1) GÉNÉRALITÉS
L'automatisation E5 est constituée par un motoréducteur électromécanique compact ayant un encombrement très réduit qui, grâce à sa polyvalence, peut être appliqué sur un pilier ou une colonne quelconque. Le verrouillage du portail à la fermeture est garanti par une serrure électrique, donc la manœuvre manuelle d'urgence s'effectue facilement, après avoir déverrouillé la serrure électrique avec la clé personnalisée fournie de série, grâce à la réversibilité du motoréducteur.
La sécurité totale contre l'écrasement est garantie par un embrayage à disques multiples, et le fonctionnement en fin de course est réglé avec un codeur.

1) ALLGEMEINES
Die E5-Automatisierung besteht aus einem kompakten elektromechanischen Getriebemotor mit minimalen Abmessungen, der dank seiner Vielseitigkeit an jeder Säule oder jedem Pfosten angebracht werden kann. Die Verriegelung des Tores beim Schließen wird durch ein Elektroschloss sichergestellt, und das manuelle Notfallmanöver ist dank der Umkehrbarkeit des Getriebemotors einfach durchzuführen, nachdem das Elektroschloss mit dem mitgelieferten personalisierten Schlüssel entriegelt wurde.
Der vollständige Schutz gegen Quetschen wird durch eine Mehrscheibenkupplung sichergestellt, und der Endschalterbetrieb wird durch einen Encoder geregelt.

1) GENERALIDADES
La automatización E5 consta de un compacto motorreductor electromecánico de tamaño reducido, que gracias a su versatilidad puede ser aplicado en cualquier pilar o columna. El bloqueo del cierre de la puerta está garantizado por una electrocerradura y la maniobra manual de emergencia se realiza con facilidad desbloqueando la electrocerradura con la llave personalizada que se suministra, gracias a la reversibilidad del motorreductor.
La total seguridad contra el aplastamiento está garantizada por un embrague de discos múltiples y el funcionamiento hasta el final de carrera es regulado mediante encoder.

1) ALGEMEEN
De automatisering E5 bestaat uit een compacte elektromechanische reductiemotor, met kleine afmetingen, die dankzij zijn veelzijdigheid kan aangebracht worden op elke paal of op elk zuiltje. De vergrendeling van de poort bij de sluiting wordt gegarandeerd door een elektrisch slot, en het handmatige noodmanoeuvre wordt eenvoudig uitgevoerd, nadat het elektrische slot met de gepersonaliseerde sleutel is ontgrendeld, dankzij de omkeerbaarheid van de reductiemotor.
De totale beveiliging tegen verplettering wordt gegarandeerd door een koppeling met meerdere schijven, en de werking van de eindeloop wordt geregeld met een encoder.

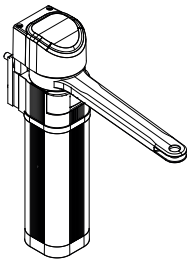
PREDISPOSIZIONE CAVI - PREPARATION OF CABLES - PRE-INSTALLATION DES CABLES VORBEREITUNG DER KABEL - PREDISPOSICIÓN CABLES - PREDISPOSITIE KABELS

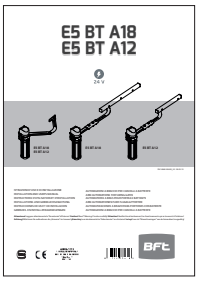


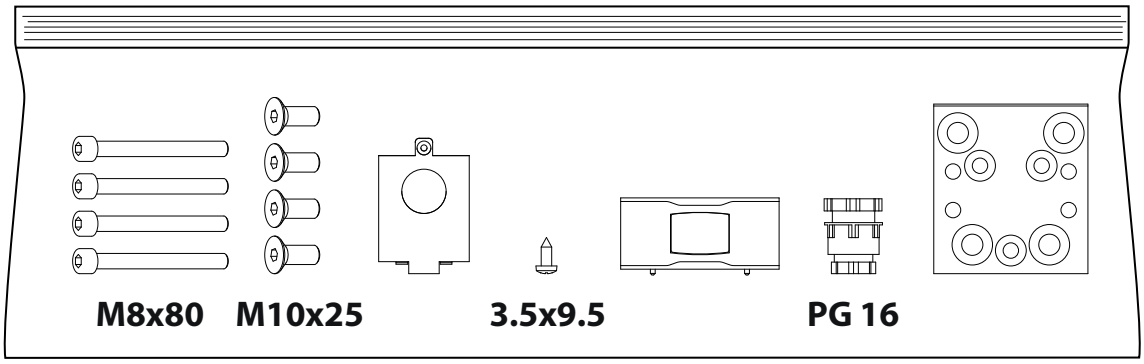
* Non in dotazione
Not supplied
Ne sont pas fournis
Nicht im lieferum
No asignadas en el equipamiento base
Niet meegeleverd

CONTENUTO DELLA CONFEZIONE - PACKAGE CONTENTS - CONTENU DE L'EMBALLAGE
PACKUNGSINHALT - CONTENIDO DE LA CAJA - INHOUD VAN DE VERPAKKING

E5 BT A18
E5 BT A12





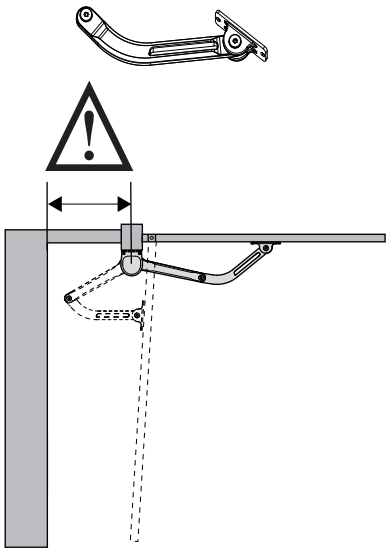


E5 BT A18
E5 BT A12

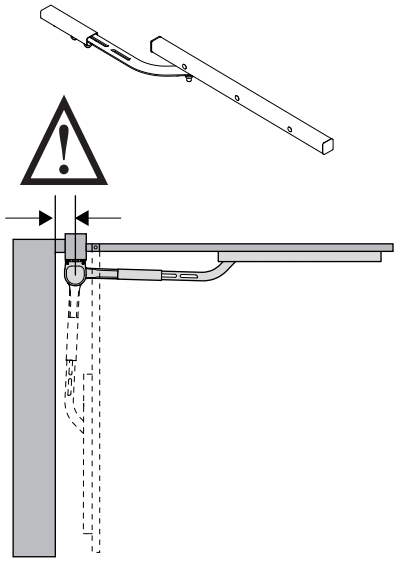
E5 BT A18

E5 BT A12

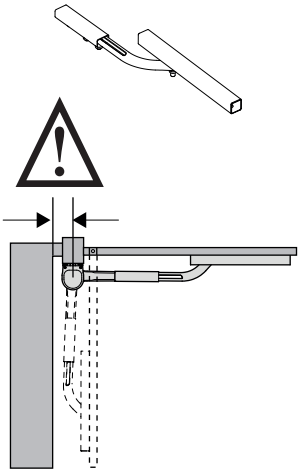
BRACCIO ACCESSORIO NON IN DOTAZIONE - ACCESSORY ARM NOT SUPPLIED
BRAS ACCESSOIRE NON FOURNI DE SERIE - ZUBEHÖRARM NICHT IM LIEFERUMFANG
BRAZO ACCESORIO NO SUMINISTRADO - ARM ACCESSOIRE NIET MEEGELEVERD



braccio articolato - articulated arm
bras articulé - Gelenkarm
brazo articulado - scharnierarm



braccio a slitta - sled arm
bras à glissière - Gleitarm
brazo deslizante - schuifarm



braccio a slitta - sled arm
bras à glissière - Gleitarm
brazo deslizante - schuifarm

ATTREZZATURE - EQUIPMENT - OUTILS - AUSRÜSTUNG- EQUIPOS - UITRUSTING

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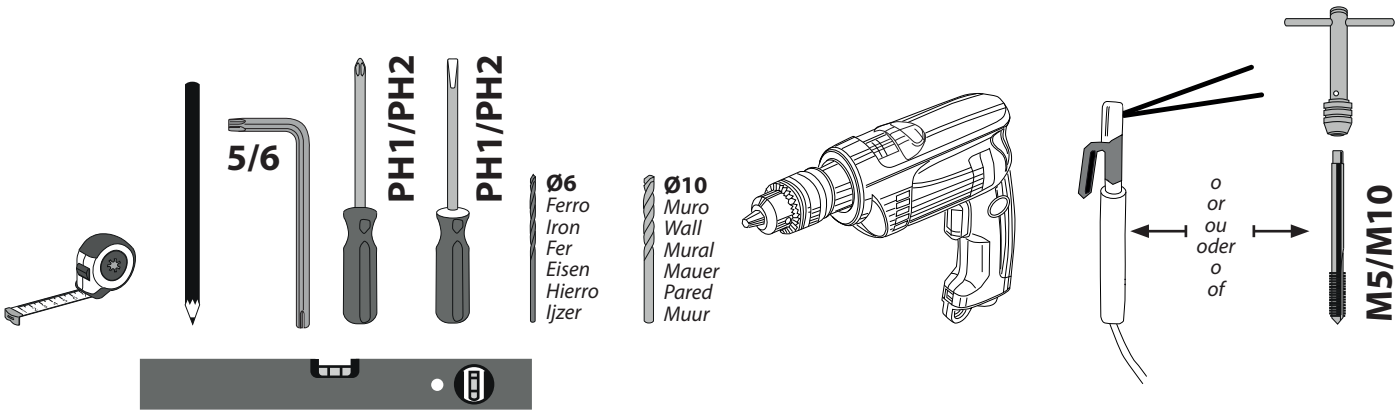
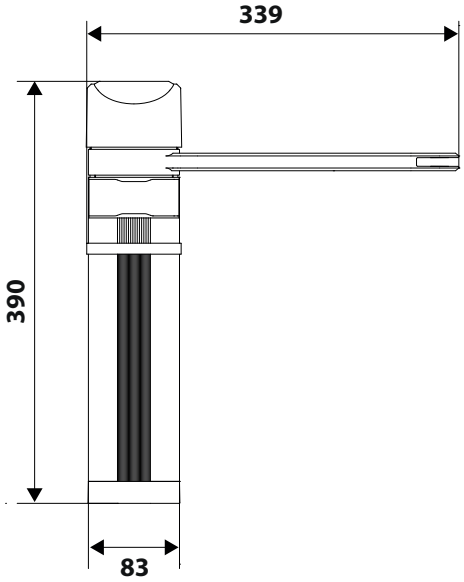
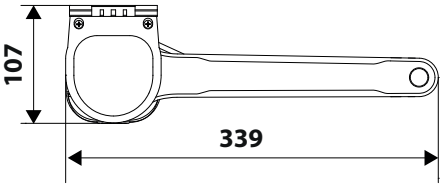


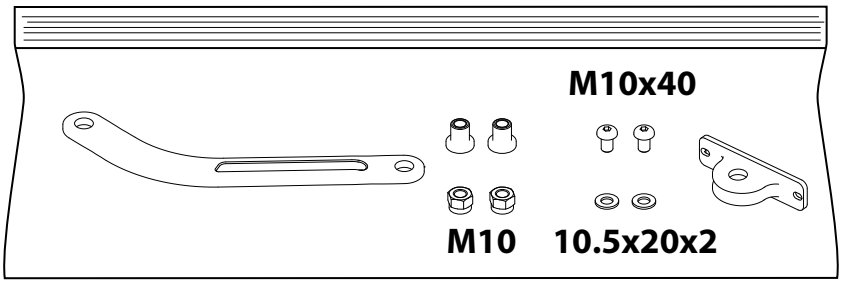
DIMENSIONI - DIMENSIONS - DIMENSIONS -ABMESSUNGEN - DIMENSIONES - AFMETINGEN



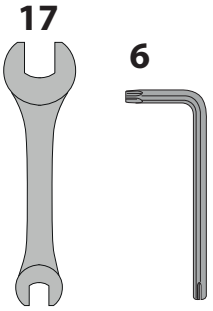


ACCESSORIO BRACCIO ARTICOLATO PER E5 BT A18 / E5 BT A12
ACCESSORY ARTICULATED ARM FOR E5 BT A18 / E5 BT A12
ACCESSOIRE BRAS ARTICULE POUR E5 BT A18/E5 BT A12
ZUBEHÖR GELENKARM FÜR E5 BT A18 / E5 BT A12
ACCESORIO BRAZO ARTICULADO PARA E5 BT A18 / E5 BT A12
ACCESSOIRE SCHARNIERARM VOOR E5 BT A18 / E5 BT A12

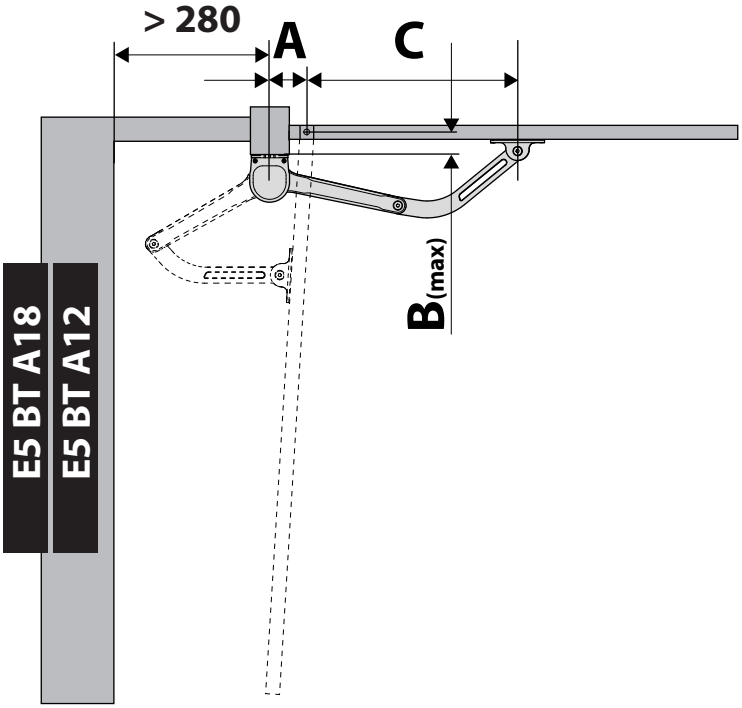
CONTENUTO DELLA CONFEZIONE - PACKAGE CONTENTS
CONTENU DE L'EMBALLAGE - PACKUNGSINHALT
CONTENIDO DE LA CAJA - INHOUD VAN DE VERPAKKING

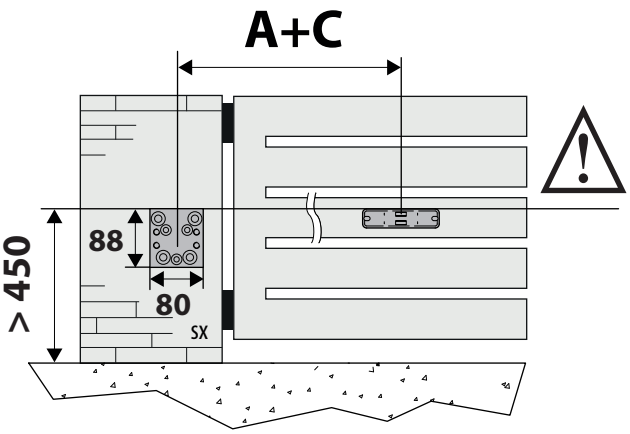


ATTREZZATURE - EQUIPMENT
OUTILS - AUSRÜSTUNG
EQUIPOS - UITRUSTING



INGOMBRI - DIMENSIONS - ENCOMBREMENTS - ABMESSUNGEN - TAMAÑOS - AFMETINGEN





ATTENZIONE! Posizionare la staffa sulla parte piena del cancello.

WARNING! Place the bracket on the full part of the gate.

ATTENTION ! Mettre la bride sur la partie pleine du portail.

ACHTUNG! Den Bügel auf dem vollständigen Teil des Tors positionieren.

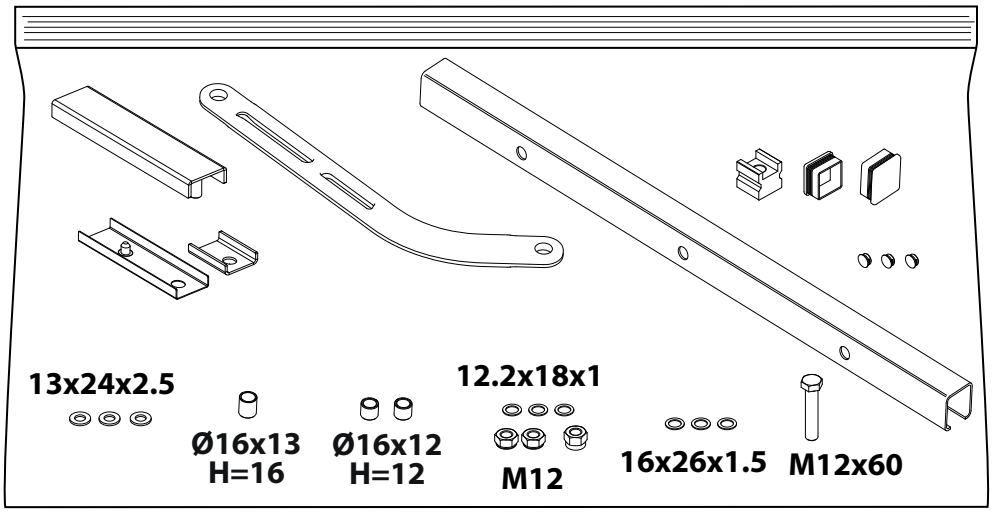
¡ATENCIÓN! Colocar el estribo en la parte maciza de la puerta.

LET OP! Positioneer de beugel op het volle deel van de poort.

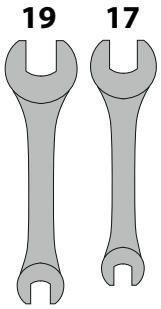
		A							
		120	140	150	160	170	180	190	200
B	30	90°	92°	95°	100°	102°	105°	107°	110°
	40	90°	92°	95°	100°	102°	105°	107°	110°
	50	90°	92°	95°	100°	102°	105°	107°	110°
	60	90°	92°	95°	100°	102°	105°	107°	107°
	70	90°	92°	95°	97°	100°	102°	107°	107°
	80	90°	92°	95°	97°	100°	102°	105°	107°
	90	90°	92°	95°	97°	100°	102°	105°	107°
	100	90°	92°	95°	97°	100°	102°	105°	105°
	110	90°	92°	95°	97°	100°	102°	102°	105°
	120	90°	92°	95°	97°	100°	100°	102°	105°
	130	90°	92°	95°	97°	100°	100°	102°	105°

ACCESSORIO BRACCIO A SLITTA PER E5 BT A18
ACCESSORY SLED ARM FOR E5 BT A18
ACCESSOIRE BRAS A GLISSIERE POUR E5 BT A18
ZUBEHÖR GLEITARM FÜR E5 BT A18
ACCESORIO BRAZO DESLIZANTE PARA E5 BT A18
ACCESSOIRE SCHUIFARM VOOR E5 BT A18

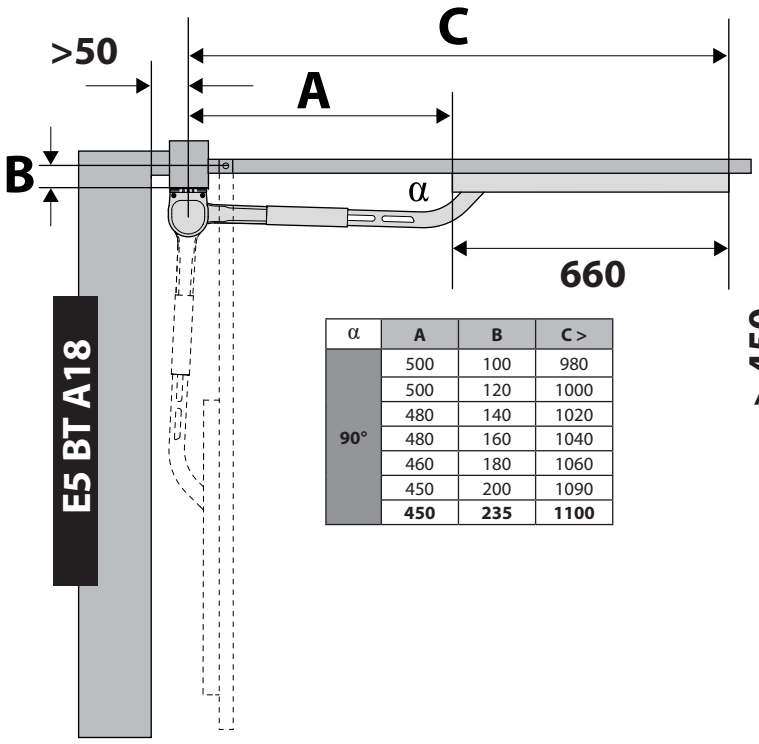
CONTENUTO DELLA CONFEZIONE - PACKAGE CONTENTS
CONTENU DE L'EMBALLAGE - PACKUNGSINHALT
CONTENIDO DE LA CAJA - INHOUD VAN DE VERPAKKING



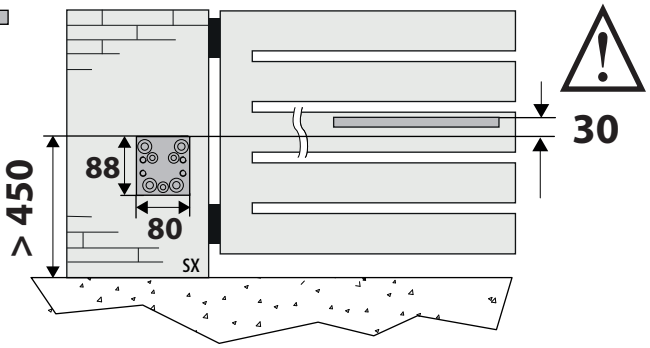
ATTREZZATURE - EQUIPMENT
OUTILS - AUSRÜSTUNG
EQUIPOS - UITRUSTING



INGOMBRI - DIMENSIONS - ENCOMBREMENTS - ABMESSUNGEN - TAMAÑOS - AFMETINGEN



α	A	B	C >
90°	500	100	980
	500	120	1000
	480	140	1020
	480	160	1040
	460	180	1060
	460	180	1060
	450	200	1090
	450	**235**	**1100**



ATTENZIONE! Posizionare la staffa sulla parte piena del cancello.

WARNING! Place the bracket on the full part of the gate.

ATTENTION ! Mettre la bride sur la partie pleine du portail.

ACHTUNG! Den Bügel auf dem vollständigen Teil des Tors positionieren.

¡ATENCIÓN! Colocar el estribo en la parte maciza de la puerta.

LET OP! Positioneer de beugel op het volle deel van de poort.

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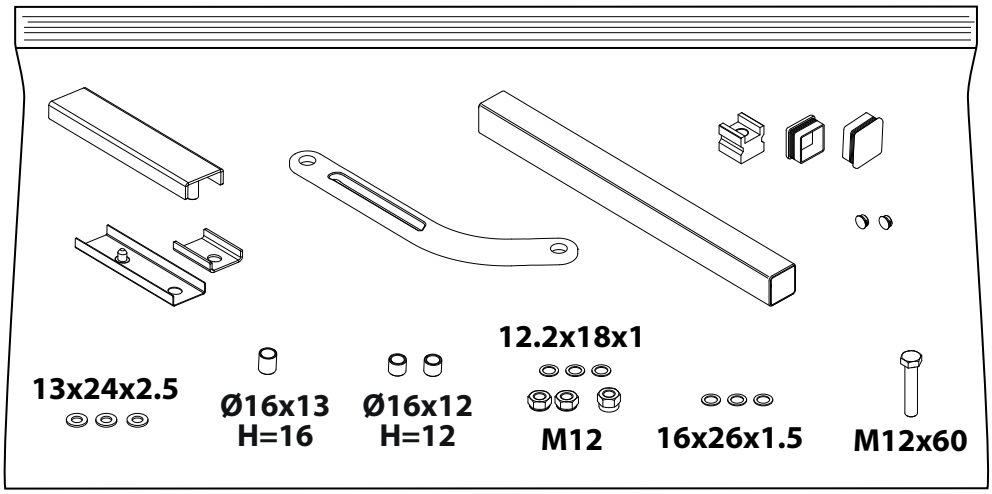
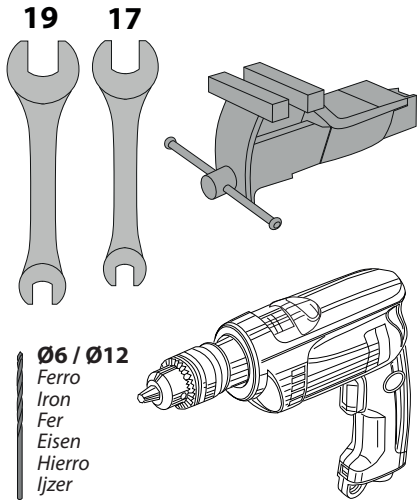
ACCESSORIO BRACCIO A SLITTA PER E5 BT A12
ACCESSORY SLED ARM FOR E5 BT A12
ACCESSOIRE BRAS A GLISSIERE POUR E5 BT A12
ZUBEHÖR GLEITARM FÜR E5 BT A12
ACCESORIO BRAZO DESLIZANTE PARA E5 BT A12
ACCESSOIRE SCHUIFARM VOOR E5 BT A12

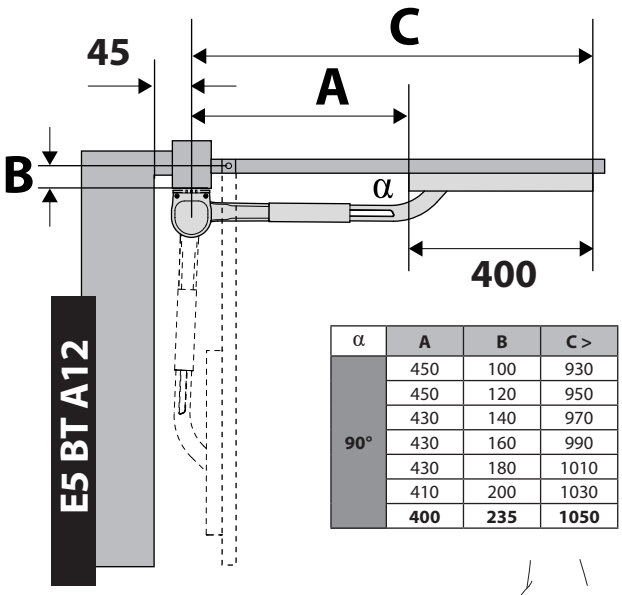
CONTENUTO DELLA CONFEZIONE - PACKAGE CONTENTS
CONTENU DE L'EMBALLAGE - PACKUNGSINHALT
CONTENIDO DE LA CAJA - INHOUD VAN DE VERPAKKING



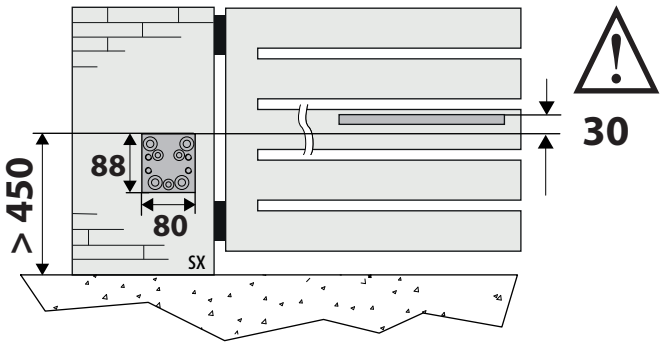
ATTREZZATURE - EQUIPMENT
OUTILS - AUSRÜSTUNG
EQUIPOS - UITRUSTING

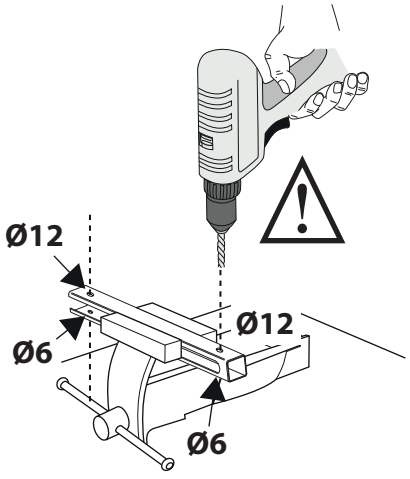


INGOMBRI - DIMENSIONS - ENCOMBREMENTS - ABMESSUNGEN - TAMAÑOS - AFMETINGEN



α	A	B	C >
90°	450	100	930
	450	120	950
	430	140	970
	430	160	990
	430	180	1010
	410	200	1030
	400	**235**	**1050**





ATTENZIONE! Posizionare la staffa sulla parte piena del cancello.

WARNING! Place the bracket on the full part of the gate.

ATTENTION ! Mettre la bride sur la partie pleine du portail.

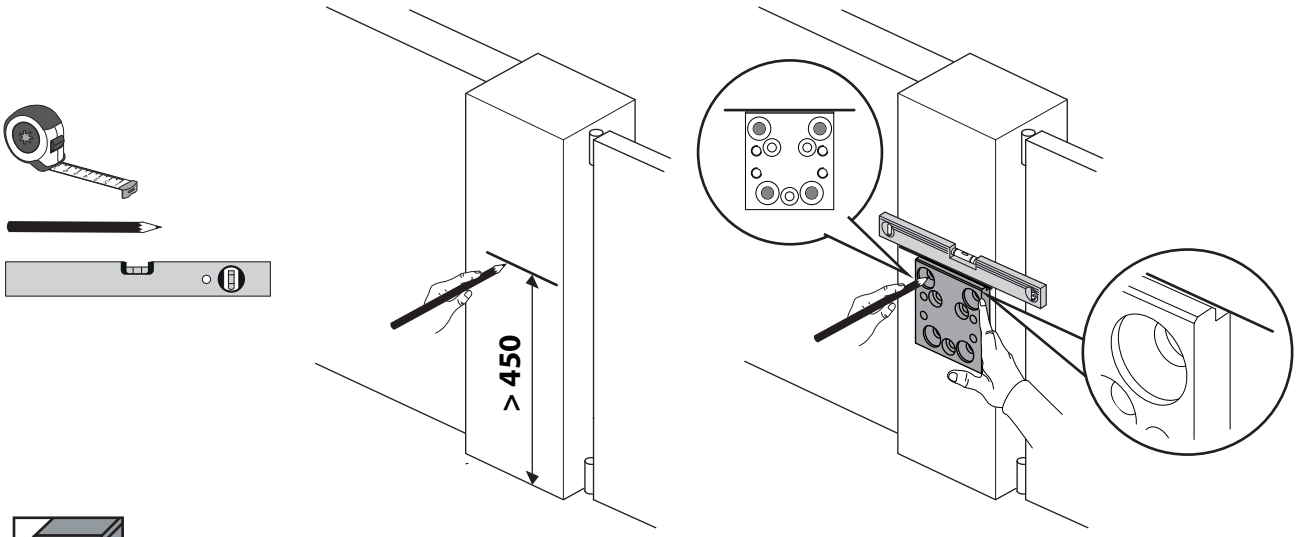
ACHTUNG! Den Bügel auf dem vollständigen Teil des Tors positionieren.

¡ATENCIÓN! Colocar el estribo en la parte maciza de la puerta.

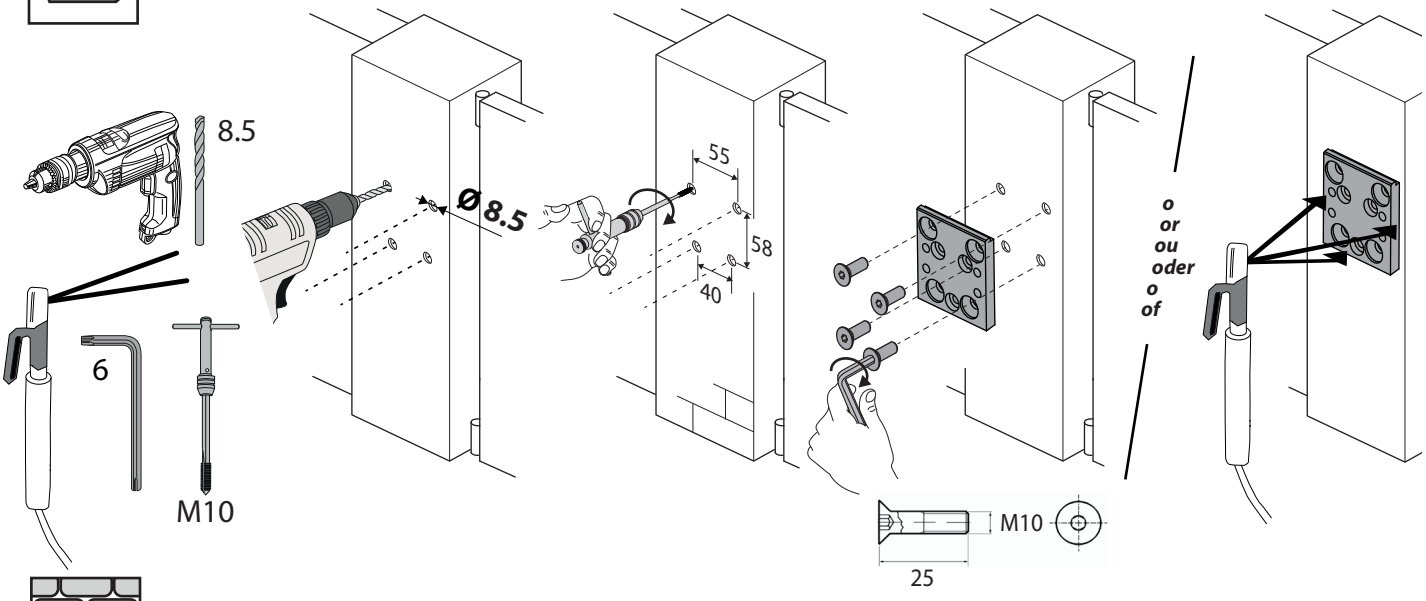
LET OP! Positioneer de beugel op het volle deel van de poort.

A

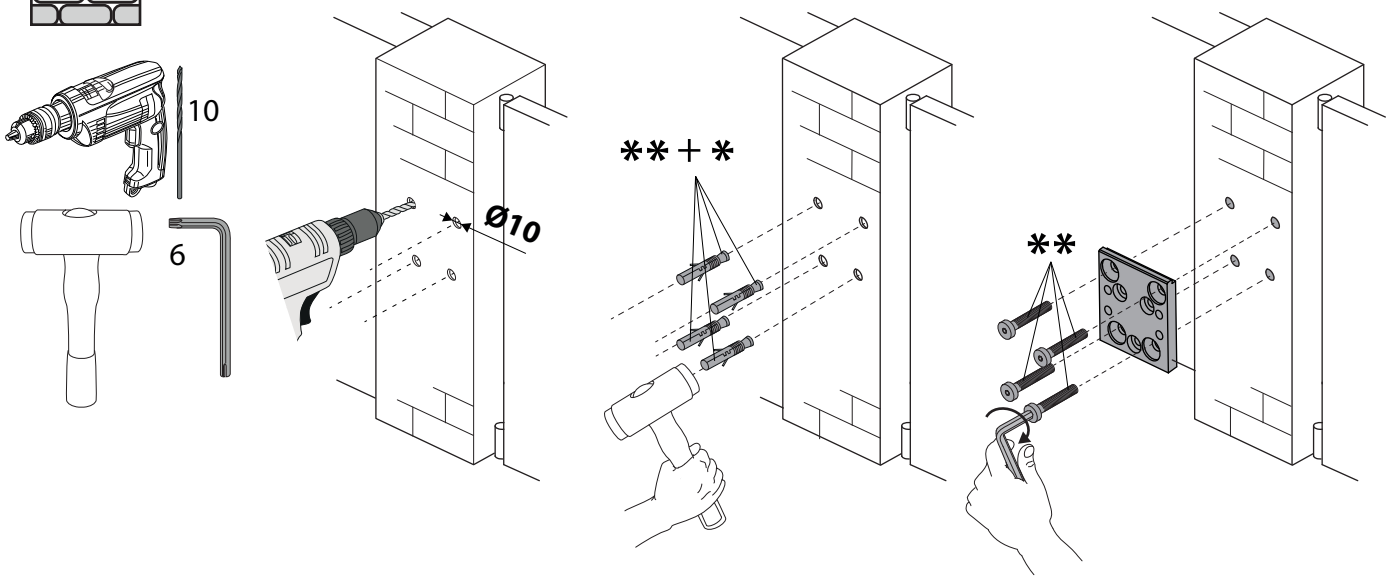
FISSAGGIO PIASTRA SOSTEGNO MOTORE - FASTENING OF MOTOR HOLDER PLATE
FIXATION DE LA PLAQUE DE SUPPORT DU MOTEUR - BEFESTIGUNG MOTORSTÜTZPLATTE
FIJACIÓN PLACA SOPORTE MOTOR - BEVESTIGING STEUNPLAAT MOTOR



SU FERRO - ON METAL - SUR DU FER - AUF EISEN - EN HIERRO - OP METAAL



SU MURO - ON THE WALL - SUR UN MUR - AN DER WAND - EN PARED - OP STEEN



* **Usare tasselli in acciaio! Use stainless steel dowels! Utiliser des chevilles en acier ! Stahldübel verwenden! ¡Usar tacos de acero! Use buchas de aço!**

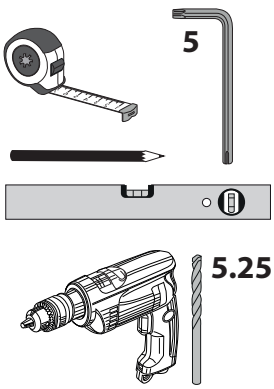
** **Non in dotazione! Not supplied! Non fourni! Nicht im! Lieferumfang! No suministrados!**

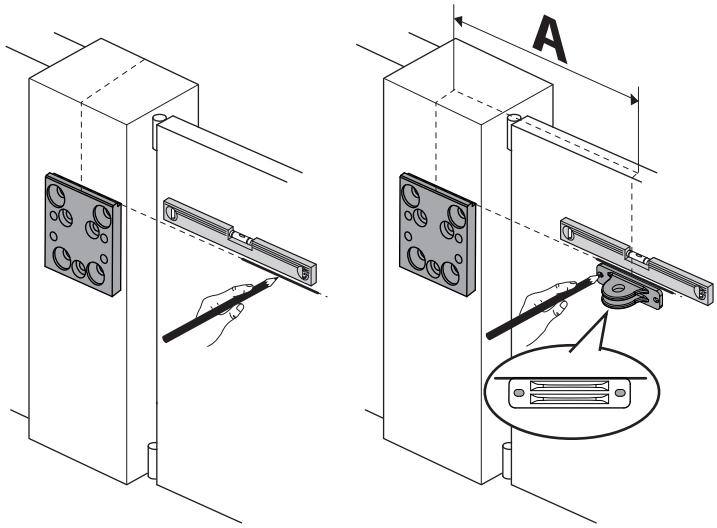
B

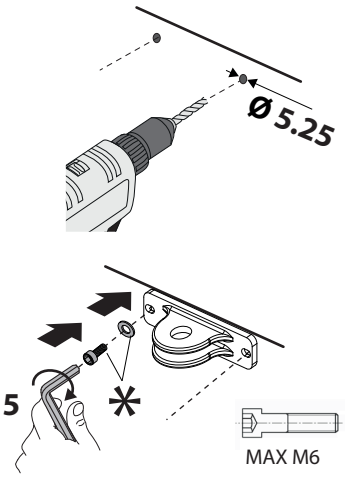
FISSAGGIO STAFFA SU ANTA - FASTENING OF BRACKET ON LEAF - FIXATION DE LA BRIDE SUR LE VANTAIL - BEFESTIGUNG DES BÜGELS AM TORFLÜGEL FIJACIÓN DEL ESTRIBO EN LA HOJA - BEVESTIGING BEUGEL OP VLEUGEL

BRACCIO ARTICOLATO - ARTICULATED ARM - BRAS ARTICULÉ GELENKARM - BRAZO ARTICULADO - SCHARNIERARM

E5 BT A18

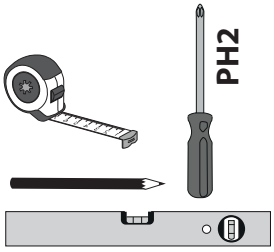


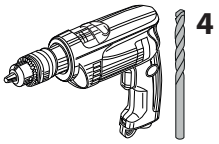


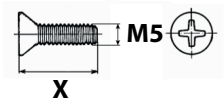


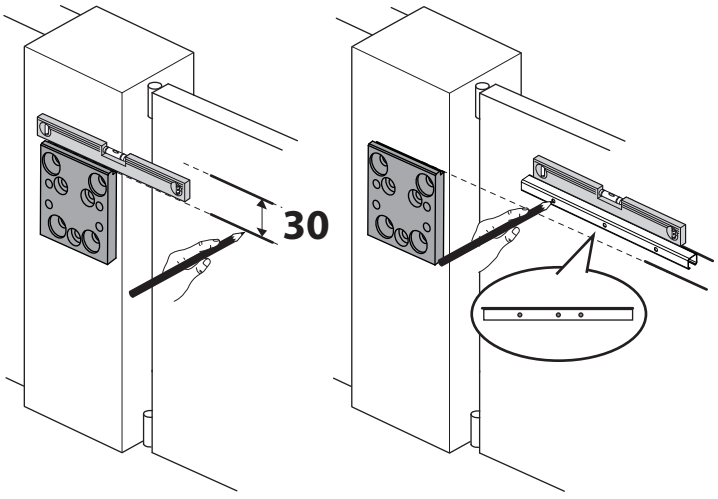
BRACCIO A SLITTA - SLED ARM - BRAS À GLISSIÈRE GLEITARM - BRAZO DESLIZANTE - SCHUIFARM

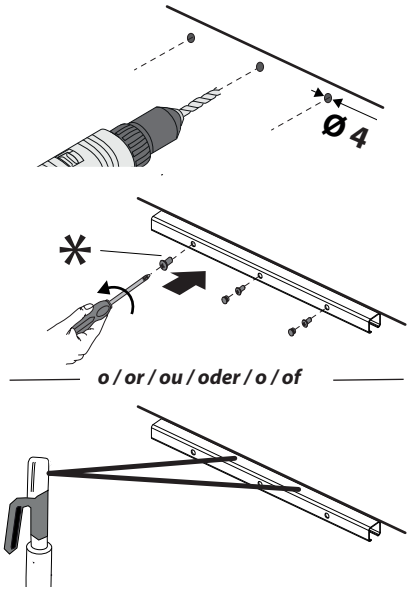
E5 BT A18



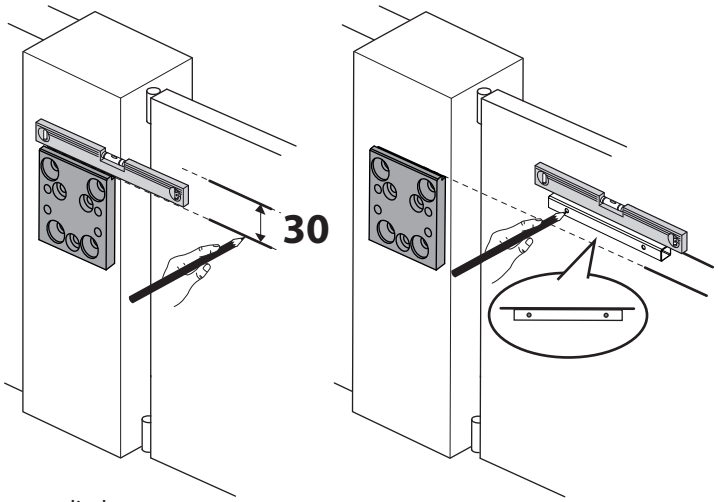


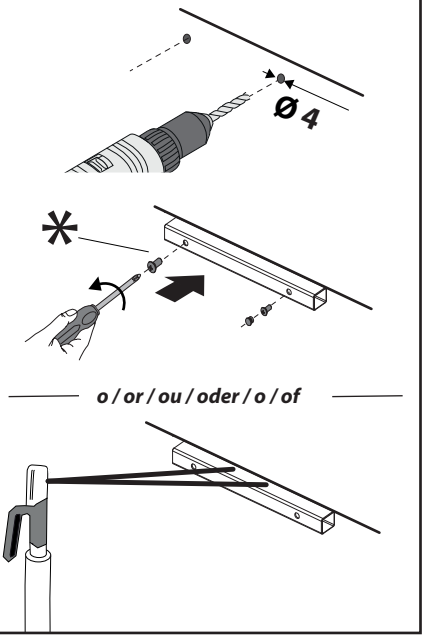






E5 BT A12

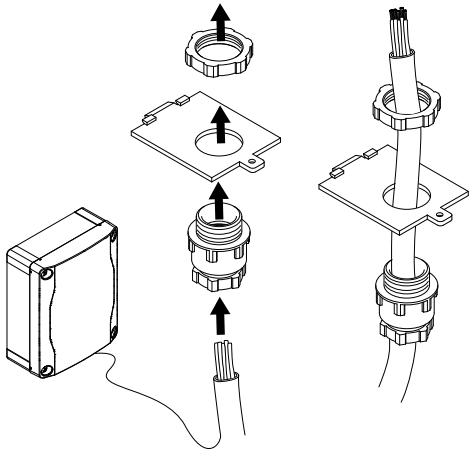


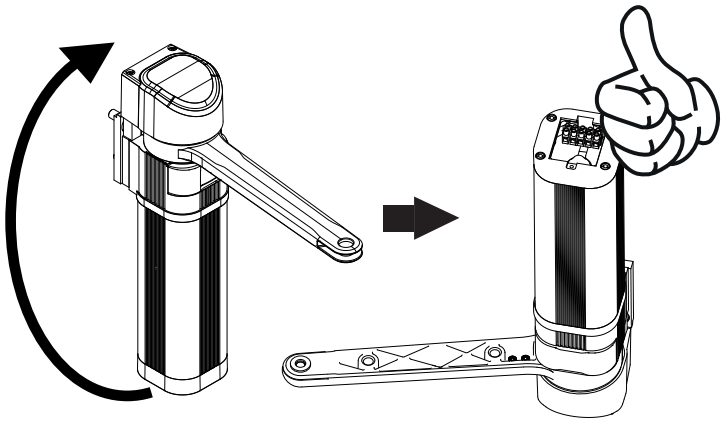


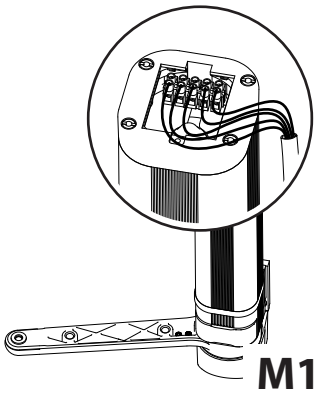
* Non in dotazione - Not supplied -
Ne sont pas fournis - Nicht im lieferum
No asignadas en el equipamiento base - Niet meegeleverd

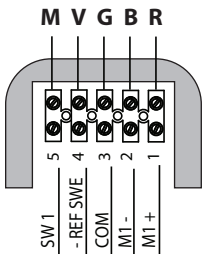
C

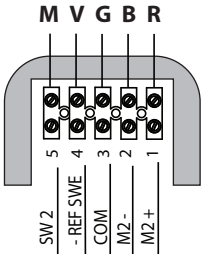
COLLEGAMENTI - CONNECTIONS - CONNEXIONS
ANSCHLÜSSE - CONEXIONES - AANSLUITINGEN

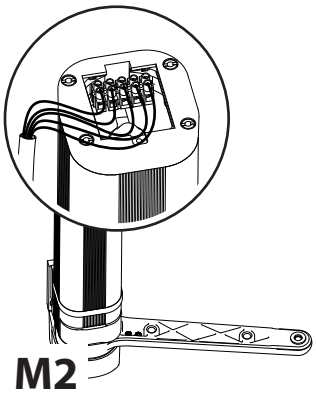






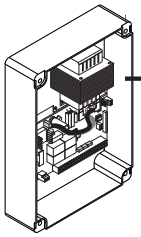


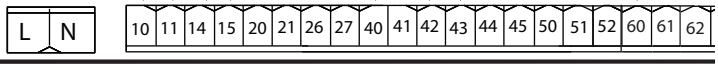




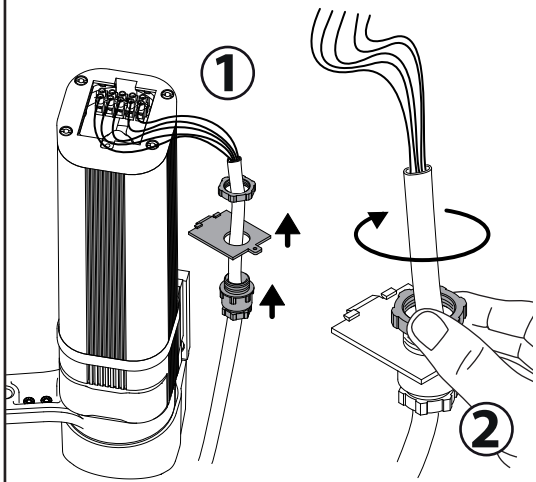
M1

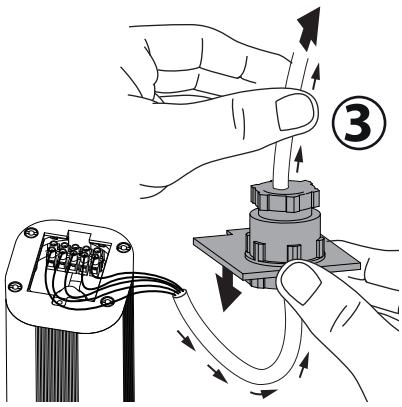
M2

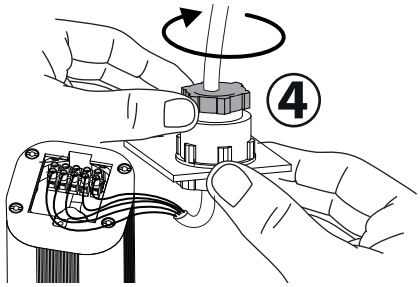


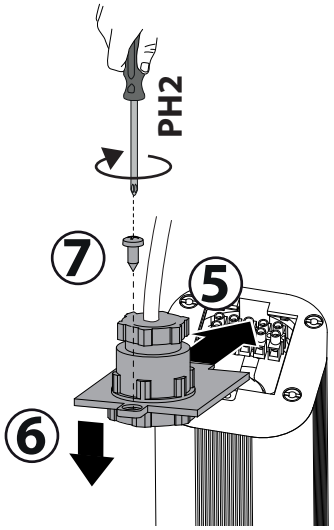


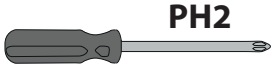
M	V	G	B	R
Marrone	Verde	Giallo	Blu	Rosso
Brown	Green	Yellow	Bleu	Red
Marron	Vert	Jaune	Bleu	Rouge
Braun	Grün	Gelb	Blau	Rot
Maron	Verde	Amarillo	Azul	Rojo
bruin	Groen	Geel	Blauw	Rood

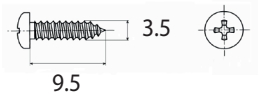






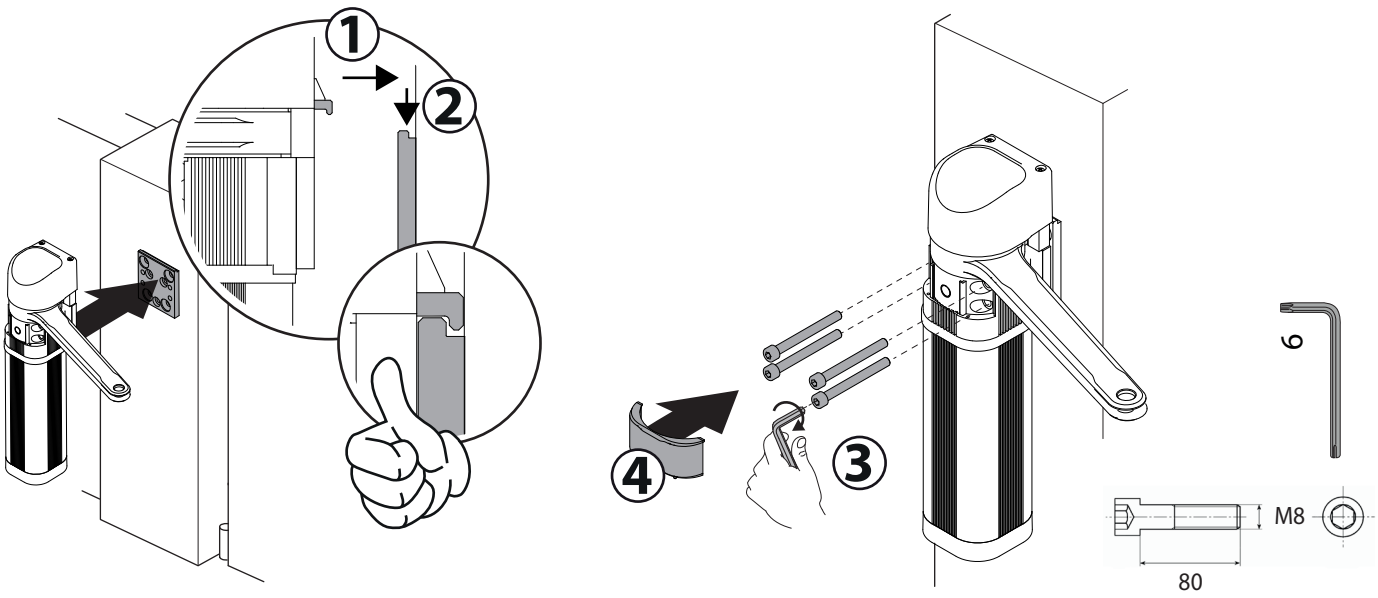






D

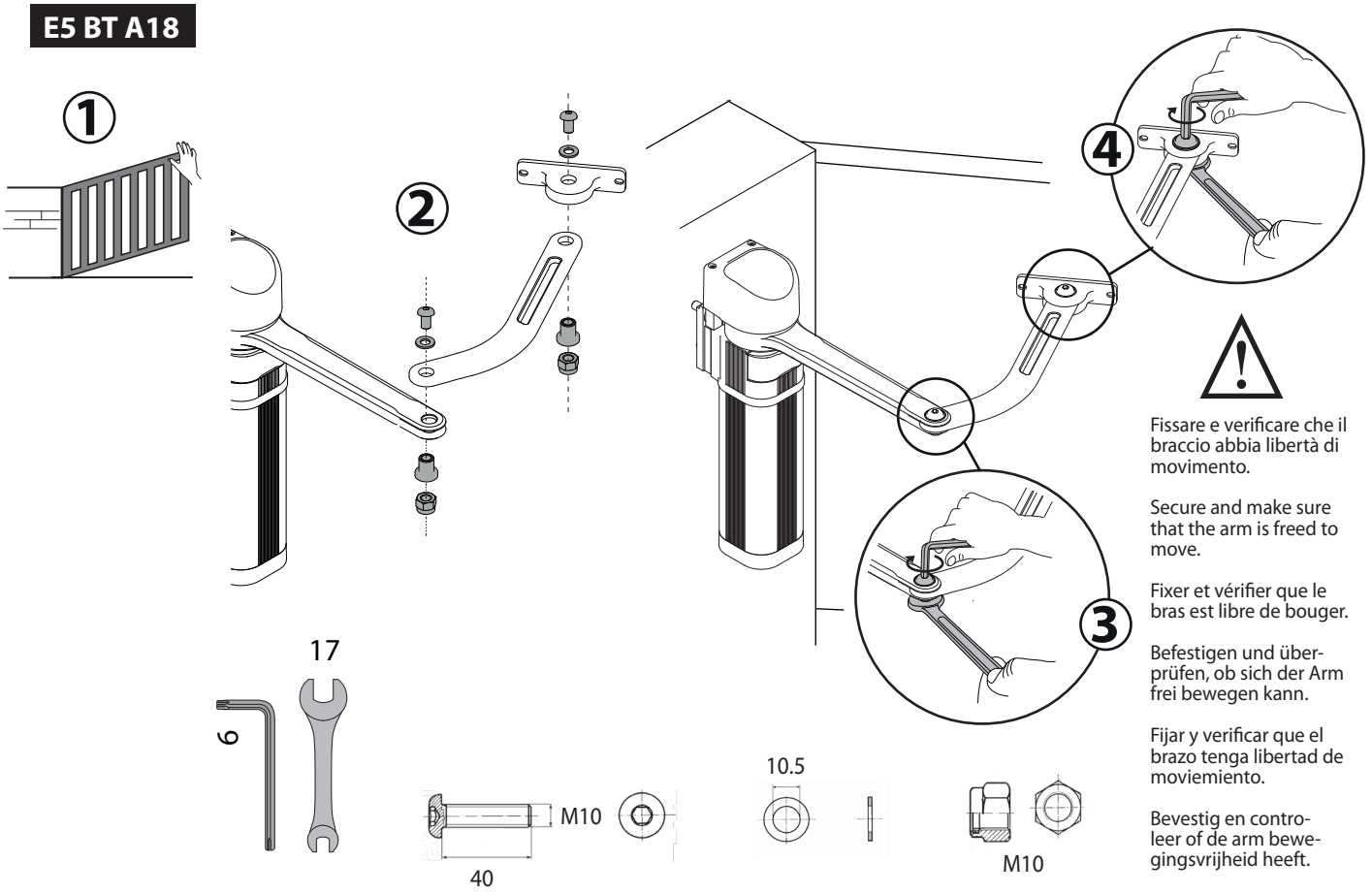
INSTALLAZIONE MOTORE - MOTOR INSTALLATION - INSTALLATION DU MOTEUR INSTALLATION DES MOTORS - INSTALACIÓN DEL MOTOR - INSTALLATIE MOTOR



E

ASSEMBLAGGIO E FISSAGGIO BRACCIO ARTICOLATO
ASSEMBLY AND FASTENING OF ARTICULATED ARM
ASSEMBLAGE ET FIXATION DU BRAS ARTICULE
MONTAGE UND BEFESTIGUNG GELENKARM
ENSAMBLAJE Y FIJACIÓN DEL BRAZO ARTICULADO
ASSEMBLAGE EN BEVESTIGING SCHARNIERARM

E5 BT A18



Fissare e verificare che il braccio abbia libertà di movimento.

Secure and make sure that the arm is freed to move.

Fixer et vérifier que le bras est libre de bouger.

Befestigen und überprüfen, ob sich der Arm frei bewegen kann.

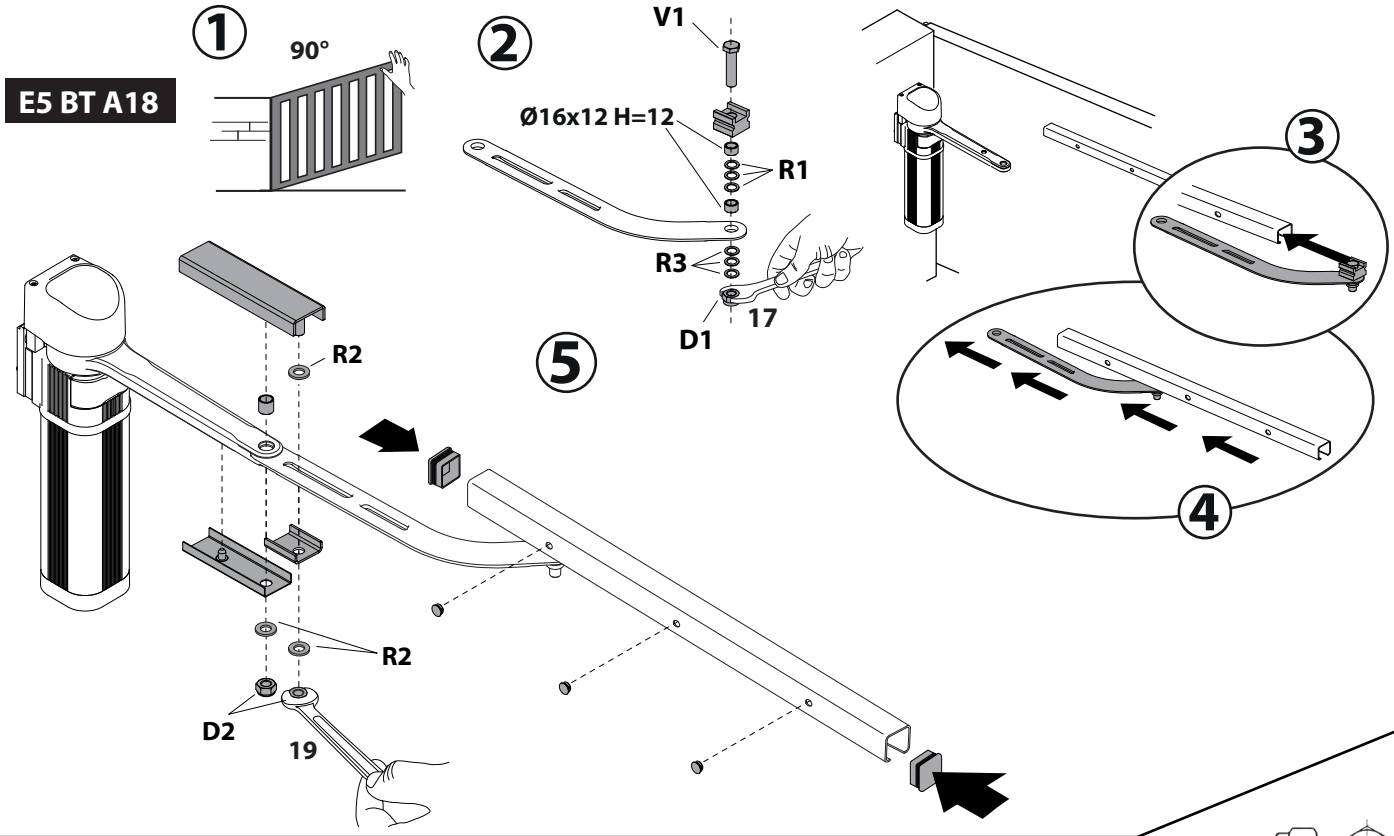
Fijar y verificar que el brazo tenga libertad de moviemiento.

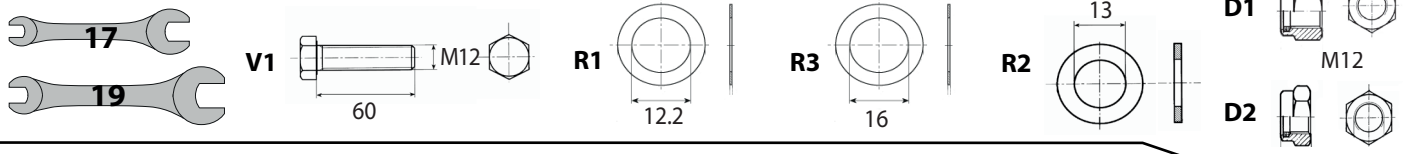
Bevestig en controleer of de arm bewegingsvrijheid heeft.

F

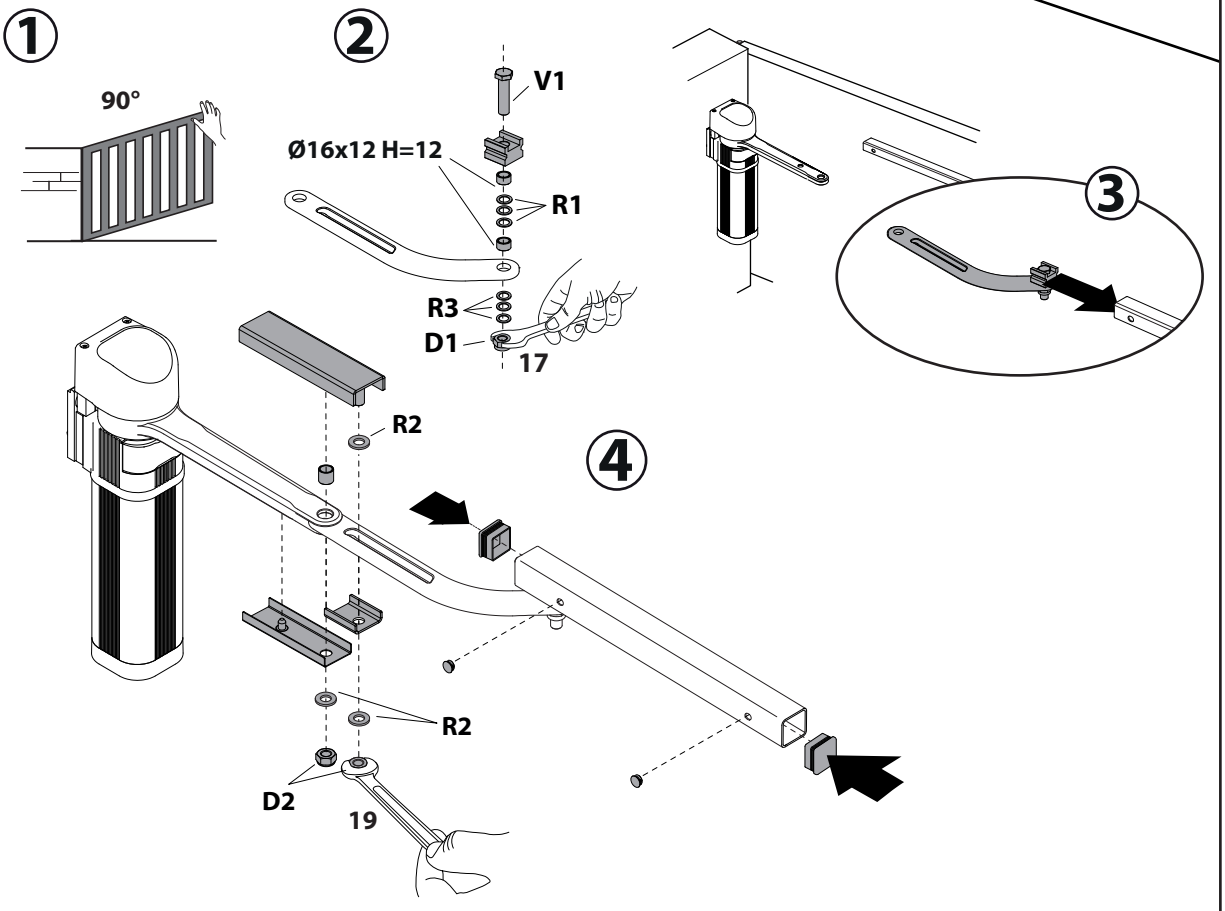
ASSEMBLAGGIO E FISSAGGIO BRACCIO A SLITTA - ASSEMBLY AND FASTENING OF SLED ARM
ASSEMBLAGE ET FIXATION DU BRAS A GLISSIERE - MONTAGE UND BEFESTIGUNG GLEITARM
ENSAMBLAJE Y FIJACIÓN DEL BRAZO DESLIZANTE - ASSEMBLAGE EN BEVESTIGING SCHUIFARM

E5 BT A18





E5 BT A12



ITALIANO

DATI TECNICI

	E5 BT A 18	E5 BT A 12
Alimentazione motore	24 Vdc	
Potenza massima	40W	
Lunghezza anta per peso massimo	1,8 m	1,2 m
Peso massimo anta	100 kg	80 kg
Lunghezza massima anta	1,8 m	1,2 m
Giri massimi motore rpm	2500	1600
Velocità angolare uscita operatore con centrale senza rallentamento	2 rpm	7 rpm
Mantenimento blocco	motoriduttore reversibile	
Coppia max motore	150 Nm	40 Nm
Angolo apertura max	120°	
Reazione all'urto	frizione meccanica multidischi	
Manovra manuale	sblocco elettroserratura con chiave	
Max n° manovre 24h	200	
Condizioni ambiente	-20 / +55° C	
Lubrificazione	grasso permanente	
Grado di protezione	IP44	
Peso attuatore	50 N (5kg)	50 N (5kg)

*** tensioni speciali di alimentazioni a richiesta**

ENGLISH

TECHNICAL DATA

	E5 BT A 18	E5 BT A 12
Motor power supply	24 Vdc	
Maximum power	40W	
Length of leaf for maximum weight	1.8 m	1.2 m
Maximum leaf weight	100 kg	80 kg
Maximum leaf length	1.8 m	1.2 m
Maximum motor rpm	2500	1600
Operator exit angular speed with control unit without slowdown	2 rpm	7 rpm
Block holding	reversible gear motor	
Max. motor torque	150 Nm	40 Nm
Max. opening angle	120°	
Reaction to collision	multiple disk mechanical clutch	
Manual manoeuvre	electric lock release with key	
Max. No. of manoeuvres 24h	200	
Environmental conditions	-20 / +55° C	
Lubrication	permanent grease	
Degree of protection	IP44	
Actuator weight	50 N (5kg)	50 N (5kg)

*** special voltage supplies on request**

FRANÇAIS

DONNÉES TECHNIQUES

	E5 BT A 18	E5 BT A 12
Alimentation du moteur	24 Vcc	
Puissance maximale	40 W	
Longueur du vantail pour poids maximal	1,8 m	1,2 m
Poids maximal du vantail	100 kg	80 kg
Longueur maximale du vantail	1,8 m	1,2 m
Tours maximaux du moteur (tr/min)	2500	1600
Vitesse angulaire sortie opérateur avec centrale sans ralentissement	2 tr/min	7 tr/min
Maintien du blocage	motoréducteur réversible	
Couple max. moteur	150 Nm	40 Nm
Angle d'ouverture max.	120°	
Réaction au choc	embrayage mécanique multi-disques	
Manœuvre manuelle	déverrouillage de la serrure électrique avec clé	
Max. n° manœuvres 24 h	200	
Conditions environnementales	-20 °C/+55 °C	
Lubrification	graisse permanente	
Indice de protection	IP44	
Poids de l'actionneur	50 N (5 kg)	50 N (5 kg)

*** tensions spéciales d'alimentation sur demande**

DEUTSCH

TECHNISCHE DATEN

	E5 BT A 18	E5 BT A 12
Motorversorgung	24 Vdc	
Maximale Leistung	40W	
Länge des Torflügels bei maximalem Gewicht	1,8 m	1,2 m
Maximales Gewicht des Torflügels	100 kg	80 kg
Maximale Länge des Torflügels	1,8 m	1,2 m
Maximale Motorumdrehungen U/Min	2500	1600
Winkelgeschwindigkeit Bedienerausgang mit Steuereinheit ohne Verlangsamung	2 U/Min	7 U/Min
Aufrechterhaltung Block	umkehrbarer Getriebemotor	
Maximales Motordrehmoment	150 Nm	40 Nm
Max. Öffnungswinkel	120°	
Stoßreaktion	mechanische Mehrscheiben-kupplung	
Manuelles Manöver	Freigabe Elektroschloss mit Schlüssel	
Max Nr. Manöver 24h	200	
Umgebungsbedingungen	-20 / +55° C	
Schmierung	Permanentes Fett	
Schutzgrad	IP44	
Gewicht des Stellglieds	50 N (5kg)	50 N (5kg)

*** Sonderspannungen auf Anfrage**

ESPAÑOL

DATOS TÉCNICOS

	E5 BT A 18	E5 BT A 12
Alimentación motor	24 Vdc	
Potencia máxima	40W	
Longitud hoja para peso máximo	1,8 m	1,2 m
Peso máximo de la hoja	100 kg	80 kg
Longitud máxima de la hoja	1,8 m	1,2 m
Rev. máximas del motor rpm	2500	1600
Velocidad angular de salida operador con central sin ralentización	2 rpm	7 rpm
Mantenimiento bloqueo	motorreductor reversible	
Par máx. motor	150 Nm	40 Nm
Ángulo apertura máx.	120°	
Reacción a los impactos	embrague mecánico multi-discos	
Maniobra manual	desbloqueo electrocerradura con llave	
Nº máx. maniobras 24h	200	
Condiciones ambientales	-20 / +55° C	
Lubricación	Grasa permanente	
Grado de protección	IP44	
Peso actuador	50 N (5kg)	50 N (5kg)

*** tensiones especiales de alimentación bajo pedido**

NEDERLANDS

TECHNISCHE GEGEVENS

	E5 BT A 18	E5 BT A 12
Voeding motor	24 Vdc	
Maximum vermogen	40W	
Lengte vleugel voor maximum gewicht	1,8 m	1,2 m
Maximum gewicht vleugel	100 kg	80 kg
Maximum lengte vleugel	1,8 m	1,2 m
Maximum motortoerental rpm	2500	1600
Hoeksnelheid uitgang bediener met regeleenheid zonder vertraging	2 rpm	7 rpm
Handhaving vergrendeling	omkeerbare reductiemotor	
Max. motorkoppel	150 Nm	40 Nm
Max. openingshoek	120°	
Reactie op impact	mechanische koppeling met meerdere schijven	
Handmatig manoeuvre	ontgrendeling elektrische slot met sleutel	
Max. aantal manoeuvres 24h	200	
Omgevingscondities	-20 / +55° C	
Smering	permanent vet	
Beschermingsgraad	IP44	
Gewicht actuator	50 N (5kg)	50 N (5kg)

*** speciale voedingsspanningen op verzoek**

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