
DOC. N. 1STM604121R0008

IS2

Manuale istruzioni

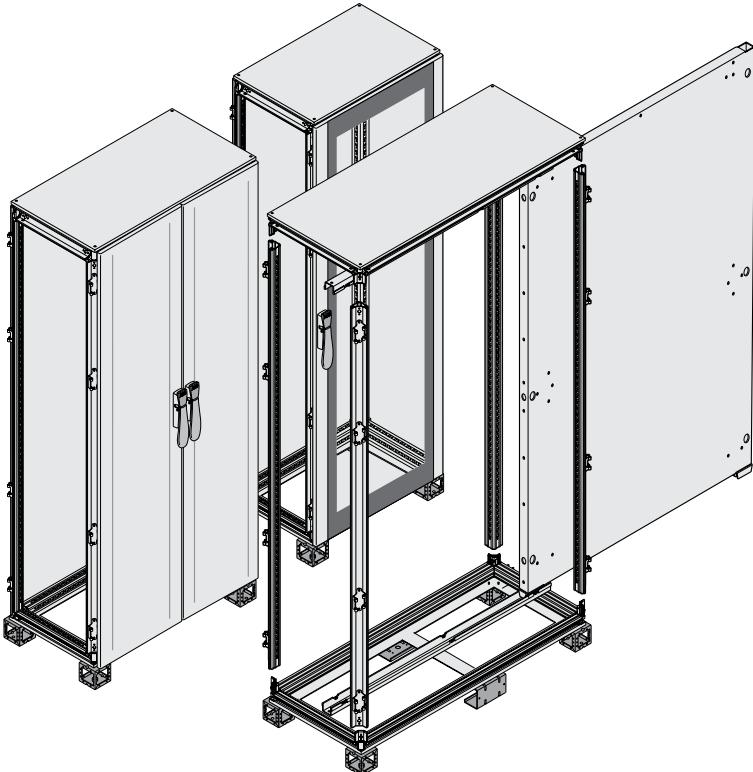
Instruction handbook

Instructions de montage

Manuale de instrucciones

Instruções de montagem

Anwender-Handbuch





IT - ISTRUZIONI PER L'INSTALLAZIONE E LA MANUTENZIONE

Le operazioni di installazione, messa in servizio ed eventuale manutenzione ordinaria e straordinaria devono essere effettuate da personale qualificato, che abbia una conoscenza dettagliata dell'apparecchiatura. **ABB** declina ogni responsabilità per danni a cose e persone dovute alla mancata osservanza delle istruzioni contenute in questo documento. Per qualsiasi esigenza contattare **ABB**.

GB - INSTALLATION AND MAINTENANCE INSTRUCTIONS

The operations for the installation, putting into service and routine and emergency maintenance of the unit must be performed by qualified personnel with a detailed knowledge of the unit.

ABB declines all responsibility for injury to people or damage to property resulting from a failure to comply with the instructions set out in this document. Don't hesitate to contact **ABB** for any further information you may require.

DE - INSTALLATIONS- UND WARTUNGSANLEITUNGEN

Die Arbeiten für die Installation, Inbetriebnahme, Wartung und Instandsetzung müssen von Fachpersonal ausgeführt werden, das über eine eingehende Kenntnis des Geräts verfügt.

ABB haftet nicht für Schäden an Sachen oder Personen aufgrund der Missachtung der in der vorliegenden Veröffentlichung enthaltenen Anweisungen. Wenden Sie sich bitte für alle weiteren Fragen an **ABB**.

FR - INSTRUCTIONS POUR L'INSTALLATION ET L'ENTRETIEN

Les opérations d'installation, de mise en service et, éventuellement, d'entretien ordinaire et extraordinaire doivent être effectuées par du personnel qualifié, ayant une connaissance approfondie de l'appareillage. **ABB** décline toute responsabilité en cas de dommages causés à des personnes ou des biens dus au non-respect des instructions contenues dans ce document.

Pour toute exigence, contacter **ABB**.

ES - INSTRUCCIONES DE INSTALACIÓN Y MANTENIMIENTO

Las operaciones de instalación, puesta en servicio y mantenimiento ordinario y extraordinario deben ser efectuadas por personal calificado, que posea un conocimiento del aparato.

ABB declina toda responsabilidad por daños a cosas y personas debidos al incumplimiento de las instrucciones contenidas en este documento. Para cualquier exigencia ponerse en contacto con **ABB**.

BG - ИНСТРУКЦИИ ЗА ИНСТАЛИРАНЕ И ПОДДРЪЖКА

Операциите по инсталацияне, въвеждане в експлоатация и евентуална рутинна и извънредна поддръжка, трябва да се извършват от квалифициран персонал, които има задълбочени познания на апаратурата. **ABB** не носи отговорност за щети на имущество или на хора, поради неспазване на инструкциите в този документ. При всяка нужда, свържете се с **ABB**.

CS - POKYNY PRO INSTALACI A UDŘZBU

Úkony spojené s instalací, uvedením do provozu a případnou běžnou i mimořádnou údržbou musí být prováděny kvalifikovaným personálem, který je detailně seznámen se zařízením. **ABB** odmítá jakoukoli odpovědnost za ublížení na zdraví osob a za škody na majetku v důsledku nedodržení pokynů uvedených v tomto dokumentu.

V případě jakýchkoli potřeb se obratne na firmu **ABB**.

DA - INSTRUKTIONER VEDRØRENDE INSTALLATION OG VEDLIGEHOLDELSE

Indgrebene i forbindelse med installation,ibrugtagning og eventuel almindelig og ekstraordinær vedligeholdelse skal udføres af kvalificeret personale med indgående kendskab til apparatet.

ABB kan ikke gøres ansvarlig for materielle skader og kvæstelser som følge af manglende overholdelse af anvisningerne i dette dokument. Kontakt **ABB** ved ethvert behov.

EL - ΟΔΗΓΙΕΣ ΓΙΑ ΤΗΝ ΕΓΚΑΤΑΣΤΑΣΗ ΚΑΙ ΤΗ ΣΥΝΤΗΡΗΣΗ

Οι διαδικασίες εγκατάστασης, θέσης σε λειτουργία και η ενδεχόμενη τακτική και έκτακτη συντήρηση πρέπει να εκτελούνται από εξειδικευμένο προσωπικό, που γνωρίζει λεπτομερώς τη συσκευή. Η **ABB** δεν φέρει καμία ευθύνη για τραυματισμούς σε ανθρώπους ή ζημιές που οφείλονται στην μη τήρηση των οδηγών του παρόντος εγγράφου. Για οποιαδήποτε απαίτηση απευθυνθείτε στην **ABB**.

ET - PAIGALDUS- JA HOOLDUSJUHEND

Paigaldus, töökorda panek ja vajalikud jooksvaid ning erakorralised hooldustööd peavad olema läbi viitud kvalifitseeritud, seadet põhjalikult tundva, personali poolt. **ABB** ei vastuta selles dokumendis sisalduvate juhiste eiramisest põhjustatud kahjude eest asjadele või inimestele. Kõigis küsimustes võtke ühendust **ABB**-ga.

FI - ASENNUS- JA HUOLTO-OHJEET

Ainoastaan ammattitaitoinen ja laitteen perusteellisesti tunteva henkilö saa suorittaa asennustyöt, käyttöönoton ja määäräalkais- ja erikoishuolto. **ABB** vapautuu kaikesta vastuusta materiaali- ja henkilövahinkojen osalta, jos ne ovat seurausta asiakirjan sisältämien ohjeiden noudattamatta jättämisestä. Ota yhteys **ABB**-yritykseen kaikissa kysymyksissä.

HR - UPUTE ZA INSTALACIJU I ODRŽAVANJEN

Poslove u vezi s instalacijom, puštanjem u rad i eventualnim redovnim i izvanrednim održavanjem mora obavljati kvalificirano osoblje koje detaljno poznaje uređaj. **ABB** ne preuzima nikakvu odgovornost za materijalnu štetu i tjelesne ozljede do kojih je došlo zbog nepridržavanja uputa sadržanih u ovom dokumentu.

Za sve eventualne dodatne informacije molimo kontaktirajte **ABB**.

HU - TELEPÍTÉSI ÉS KARBANTARTÁSI UTASÍTÁSK

A telepítési-, üzembe helyezési-, valamint az esetleges rutin- és rendkívüli karbantartási munkálatokat kizárolág a készüléket alaposan ismerő szakemberek végezhetik! Az **ABB** nem vállal felelősséget a jelen dokumentumban szereplő utasítások figyelmen kívül hagyása miatt bekövetkező dologi és személyi károkért! Bármiény kérdés esetén kérjük, vegye fel a kapcsolatot az **ABB** vállalattal!

LT - INSTALAVIMO IR PRIEŽIŪROS NURODYMAI

Jrenginį instalioti, įjungti, reguliarai tikrinti ar patikrinti nenumatyti atveju privalo tik kvalifikuotu asmeny, kurie gerai susipažinę su šiuo jrenginiu. Jei nesilaikoma šiame dokumente aprašytų nurodymų „ABB“ neatsako už žmonėms ar turtui padarytą žalą. Dėl papildomos informacijos galite kreiptis į „ABB“.

LV - UZSTĀDIŠANAS UN APKOPES INSTRUKCIJAS

Darbības, kas saistītas ar uzstādišanu, lietošanu, standarta un ārkārtas apkopi, ir jāievie kvalificētam speciālistam, kuram ir detalizētas zināšanas par ierīci.

ABB neuzņemmas nekādu atbilstību par personas veselībai vai mantai nodarīto kaitējumu, kas radies, neievērojot šī dokumenta instrukcijas.

Ja Jums ir nepieciešama palīdzība, lūdzam sazināties ar **ABB**.

NL - AANWIJZINGEN VOOR DE INSTALLATIE EN HET ONDERHOUD

De handelingen voor de installatie, inbedrijfstelling en gewoon en buitengewoon onderhoud moeten verricht worden door vakbekwaam personeel, met gedetailleerde kennis van het apparaat.

ABB kan niet aansprakelijk gesteld worden voor schade of letsel veroorzaakt door de niet inachtneming van de aanwijzingen in dit document. Voor nadere informatie contact opnemen met **ABB**.

NO - INSTRUKSJONER FOR INSTALLASJON OG VEDLIKEHOLD

Installasjon, idriftsettelse og eventuelt ordinært og ekstraordinært vedlikehold må utføres av kvalifisert personale med veldig godt kjennskap til apparatet. **ABB** fraskriver seg ethvert ansvar for skader på gjenstander og personer som skyldes manglende overhold av instruksjonene i dette dokumentet. Kontakt **ABB** ved behov.

PL - INSTRUKCJA INSTALOWANIA I KONSERWACJI

Czynności instalowania, przekazania do eksplatacji oraz konserwacji okresowych i awaryjnych aparatu muszą być wykonywane przez wykwalifikowany personel znający dokładnie dany aparat.

Firma **ABB** nie ponosi żadnej odpowiedzialności za obrażenia osób lub uszkodzenie mienia powstałe wskutek nie przestrzegania instrukcji podanych w niniejszym dokumencie. W przypadku potrzeby uzyskania dodatkowych informacji prosimy skontaktować się z firmą **ABB**.

PT - INSTRUÇÕES PARA A INSTALAÇÃO E A MANUTENÇÃO

As operações de instalação, activação e eventual manutenção ordinária e extraordinária devem ser efectuadas por pessoal qualificado, com um conhecimento detalhado da aparelhagem. A **ABB** declina qualquer responsabilidade por danos a coisas e pessoas devido à observância das instruções contidas neste documento.

Para qualquer informação, contactar a **ABB**.

RO - INSTRUCȚIUNI DE INSTALARE ȘI ÎNTREȚINERE

Operațiunile de instalare, punere în funcțiune și eventuală întreținere obișnuita și extraordinară trebuie să fie efectuate de către un personal calificat, care să cunoască în detaliu echipamentul.

A **ABB** declină orice responsabilitate privind daunele cauzate bunurilor și persoanelor, datorită nerespectării instrucțiunilor din prezentul document. Pentru orice alte nelămuri, contactați **ABB**.

SK - POKYNY PRE INŠTALÁCIU A ÚDRŽBU

Úkony spojené s inštaláciou, uvedením do prevádzky a prípadnou bežou v mimoriadnej údržbe musia byť vykonávané kvalifikovaným technikom, ktorý je detailne oboznámený so zariadením.

ABB odmieta akúkoľvek zodpovednosť za ublženie na zdraví osôb a za škody na majetku v dôsledku nedodržania pokynov uvedených v tomto dokumente. V prípade akýchkoľvek potrieb sa obráťte na firmu **ABB**.

SL - NAVODILA ZA MONTAŽO IN VZDRŽEVANJE

Postopke montaže, dajanja in obravnavanje in morebitnega rednega in izrednega vzdrževanja mora opravljati usposobljeno osebje, ki napravo podrobno pozna. **ABB** zavrača vsako odgovornost za poškodbe ljudi ali stvari, ki so posledica neupoštevanja navodil v tem dokumentu. V primeru potrebe se obrnite na **ABB**.

SV - INSTALLATIONS- OCH UNDERHÄLLSANVISNING

Installationsmomenten, igångsättningen och eventuella ordinära och extraordinära underhåll ska utföras av kvalificerad personal som har en detaljerad kännedom om apparaten.

ABB avsäger sig allt ansvar för skador på saker och personer som orsakats på grund av bristande uppmärksamhet för anvisningarna i detta dokument. Kontakta **ABB** för alla typer av problem.

TK - KULLANIM VE BAKIM YÖNERGELERİ

Kurulum, hizmete alma ve olaşı olağan ve olajanüstü bakım işlemleri, teçhizat hakkında detaylı bilgiyi olan kalifiye personel tarafından yürütülmeli dir.

ABB, işbu belgede yer alan yönnergelerde uyulmamasından dolayı insan ya da nesnelerde meydana gelebilecek zararlardan dolayı sorumluluk kabul etmemektedir.

Her türlü ihtiyaç durumunda **ABB** ile teması geçin.

RU - ИНСТРУКЦИЯ ПО УСТАНОВКЕ И ТЕХОСЛУЖИВАНИЮ

Все операции по установке, вводу в эксплуатацию, текущему и внеплановому ремонту должны выполняться квалифицированным персоналом, подробно ознакомленным с прибором.

Фирма **ABB** снимает с себя всякую ответственность за повреждения, причиненные людям и/или предметам из-за несоблюдения указаний настоящей инструкции.

Для любого вопроса обратитесь к **ABB**.

ZH - 安装及维护指南

断路器装置的安装、操作、常规维护及紧急维修工作必须由熟悉本装置的合格技术人员来完成。

若因不遵守以上操作规程而发生人员或财务受伤、受损，**ABB**概不负责。若需要其他资料或信息，请随时与**ABB**联系。

AR - إرشادات التركيب والمaintenance

عمليات التركيب وبنده التشغيل والصيانة العادية والإضافية المحتملة هي عمليات يجب أن تتم فقط على يد طاقم عمل متخصص ومؤهل ومعد بذكاء تفصيلي بالجهاز وبجميع مكوناته.

تحلي شركة **ABB** مسؤوليتها عن أي أضرار أو ثغرات قد تسبب الأشخاص أو الأشياء جراء عدم مراعاة واحترام التعليمات والإرشادات والتوجيهات الواردة في هذه الوثيقة.

عند الضرورة اتصل بشركة **ABB**

Note

Montaggio con dado in gabbia (AD1036)

Utilizzabile nei fori rettangolari della struttura con vite o dado M6. Coppia di serraggio (valido per tutti i componenti IS2 e non diversamente specificato): M5 = 5Nm - M6=5Nm - M6=9Nm - M8=20Nm - M10=30Nm - M12=40Nm.

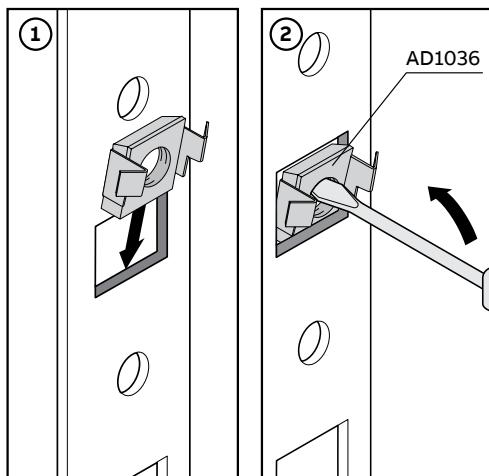
Il grado di protezione, TYPE e/o IP dichiarato da ABB SpA è valido per armadi standard senza modifiche costruttive. E' responsabilità del cliente ripristinare il grado di protezione originario in caso di eventuali forature o di definire il nuovo TYPE e/o IP.

Notes

Assembling with cage nut (AD1036)

It can be used in the rectangular bores of the structure with M6 screw or nut. Min. fastening torque (to be applied to all IS2 components, if not differently specified): M5 = 5Nm - M6=5Nm - M6=9Nm - M8=20Nm - M10=30Nm - M12=40Nm.

The degree of protection TYPE and/or IP declared by ABB SpA is intended to be for standard enclosures without any structural modifications. It is a customer responsibility to maintain the original degree of protection when cut-outs are required or a new TYPE and/or IP must be defined.



Anmerkungen

Montage mit Käfig-Mutter (AD1036)

In der Rechtecklöchern der Struktur mit Schraube oder Mutter M6. Anzugsmoment (für alle IS2-Komponenten gültig, soweit nicht anders angegeben): M5 = 5Nm - M6=5Nm - M6=9Nm - M8=20Nm - M10=30Nm - M12=40Nm.

Die von ABB SpA deklarierte Schutzzart TYPE und / oder IP ist für Standardgehäuse ohne strukturelle Änderungen vorgesehen. Es ist eine Kundenverantwortung, die ursprüngliche Schutzzart zu berücksichtigen, wenn Aussparungen erforderlich sind, oder ein neuer TYPE und / oder IP definiert werden muss.

Informations

Montage par écrou clips (AD1036)

S'insère dans les trous rectangulaires de la structure par vis écrou M6. Couple de serrage (valable pour tous les composants IS2, sauf différents renseignements): M5 = 5Nm - M6=5Nm - M6=9Nm - M8=20Nm - M10=30Nm - M12=40Nm.

Le degré de protection TYPE et / ou IP déclaré par ABB SpA est censé être pour les boîtiers standards sans aucune modification structurelle. Il est de la responsabilité du client de conserver le degré de protection initial lorsque des découpages sont nécessaires, ou un nouveau TYPE et / ou IP doit être défini.

Notas

Montaje con tuerca en jaula (AD1036)

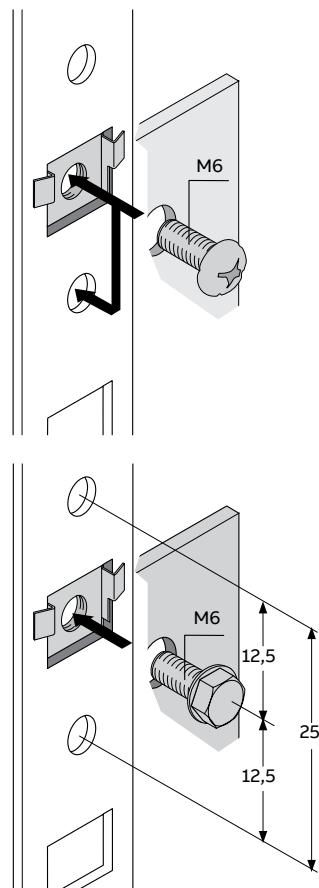
Puede montarse en los agujeros rectangulares de la estructura con tornillo o tuerca M6.

Par de torsión (válido para todos los componentes IS2, si no viene especificado otro valor): M5 = 5Nm - M6=5Nm - M6=9Nm - M8=20Nm - M10=30Nm - M12=40Nm. El grado de protección TYPE y / o IP declarado por ABB SpA se pretende que sea para gabinetes estándar sin modificaciones estructurales. Es responsabilidad del cliente mantener el grado de protección original cuando se requieren recortes, o se debe definir un nuevo TIPO y / o IP.

Observações

Montagem com porca em gaiola metálica (AD1036)

Utilizável nos orifícios retangulares da estrutura com parafusos M6. Binário aberto (válido para todos os componentes IS2, salvo determinação em contrário) M5 = 5Nm - M6=5Nm - M6=9Nm - M8=20Nm - M10=30Nm - M12=40Nm. O grau de proteção TYPE e / ou IP declarado pela ABB SpA destina-se a ser para gabinetes padrão sem quaisquer modificações estruturais. É responsabilidade do cliente manter o grau original de proteção quando os recortes são necessários, ou um novo tipo e / ou IP deve ser definido.



Certificazione UL

Certificazione UL per armadi con grado di protezione TYPE 12 con porte cieche assemblate in fabbrica. Solo per strutture con porte singole e doppie con montante intermedio di larghezza fino a 1000 mm.

UL listed

UL listed for TYPE 12 rated enclosures with blind doors factory-assembled, suitable for structures with single doors and widths up to 1000 mm (and double doors with intermediate uprights only).

UL-Zertifizierung

UL-gelistet für Gehäuse der Schutzart TYPE 12 mit werkseitig montierten Blindtüren, geeignet für Strukturen mit Einzeltüren und Breiten bis zu 1000 mm (und Doppeltüren nur mit Zwischenständern).

Certification UL

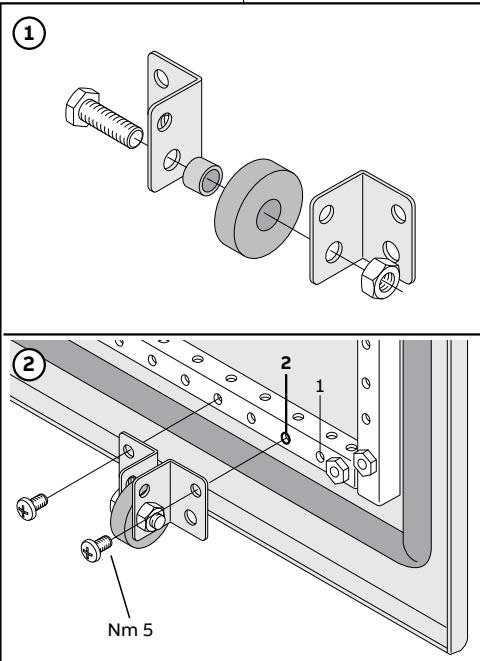
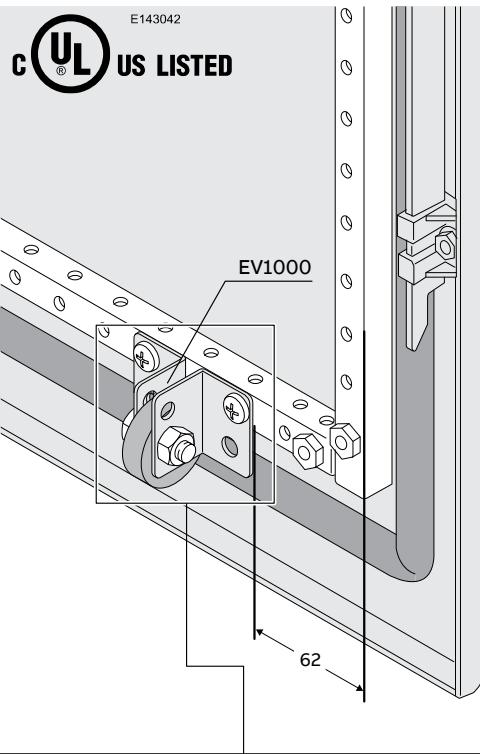
Répertorié UL pour les armoires TYPE 12 avec portes aveugles assemblées en usine, adaptées aux structures avec portes simples et largeurs jusqu'à 1 000 mm (et portes doubles avec montants intermédiaires uniquement).

Certificación UL

Listado UL para gabinetes con clasificación TYPE 12 con puertas ciegas ensambladas en fábrica, adecuados para estructuras con puertas simples y anchos de hasta 1000 mm (y puertas dobles con montantes intermedios únicamente).

Certificação UL

Listado UL para gabinetes com classificação TYPE 12 com portas cegas montados de fábrica, adequados para estruturas com portas simples e larguras de até 1000 mm (e portas duplas apenas com montantes intermediários).



Sommario

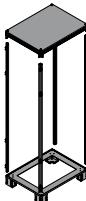
Summary

Übersicht

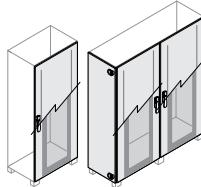
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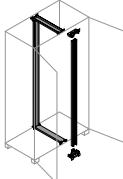
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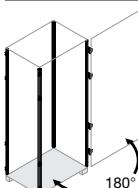
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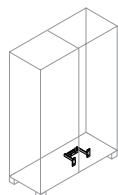
16 - 17 - 18



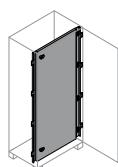
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19

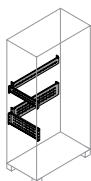
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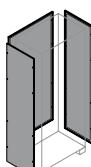
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21

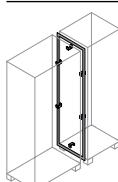
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22

EB0400-EB0440-EB0500-EB0550-EB0600-EB0660-EB0800-EB0880-EB1000-EB1010-EB1011-EB1060-EB1080-EB1200-EB1220-EB4810-EB4860-EB4880

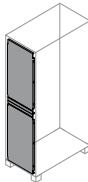
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24

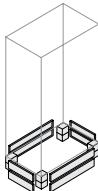
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25-26



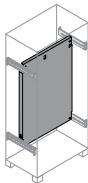
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EE2261-EE2281

27



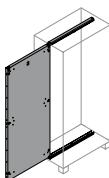
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28-29



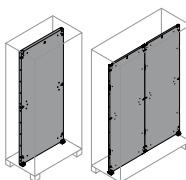
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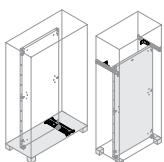
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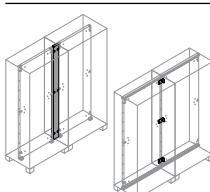
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32-33-34



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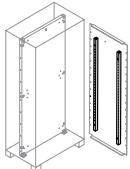
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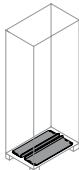
38

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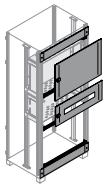
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41

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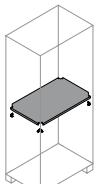
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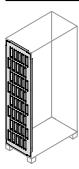
44-45

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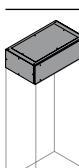
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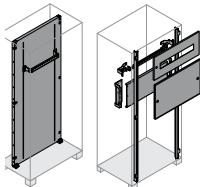


47

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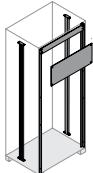


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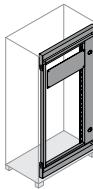
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49-50-51



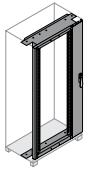
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52



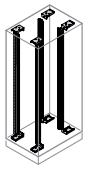
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53

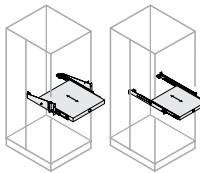


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54-55

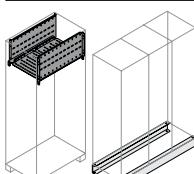


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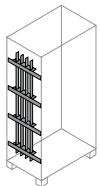
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56-57



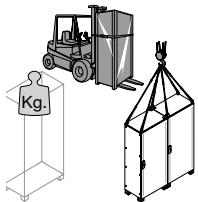
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58-59



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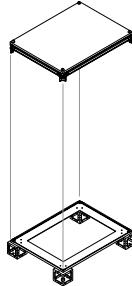
63-64-65



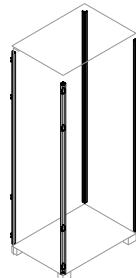
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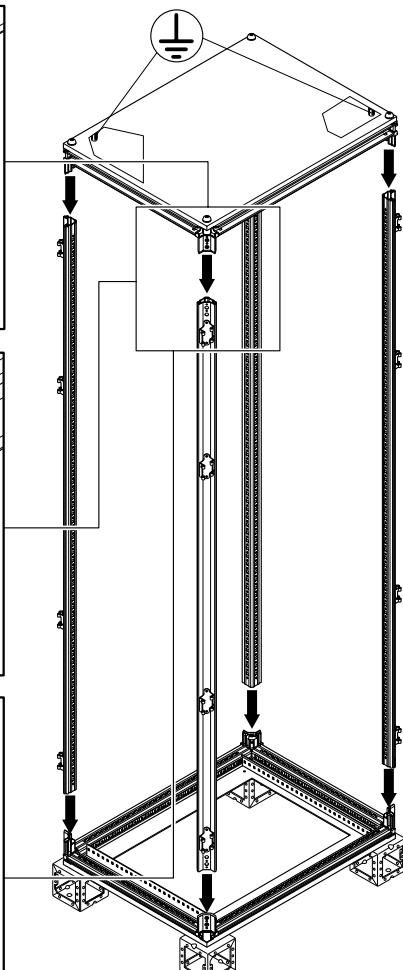
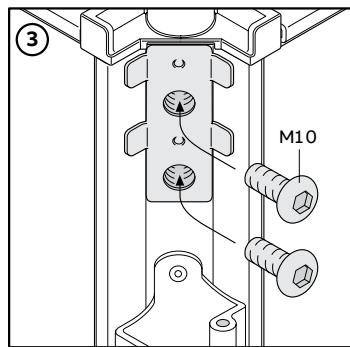
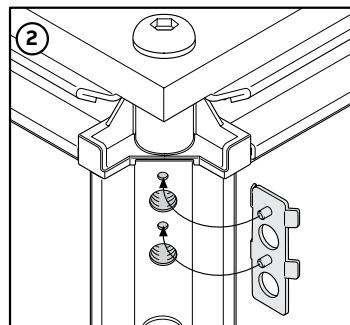
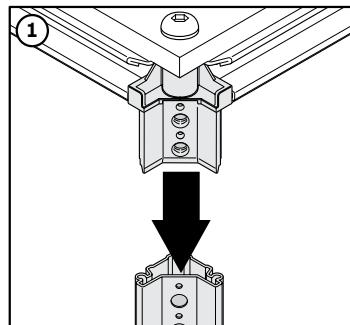
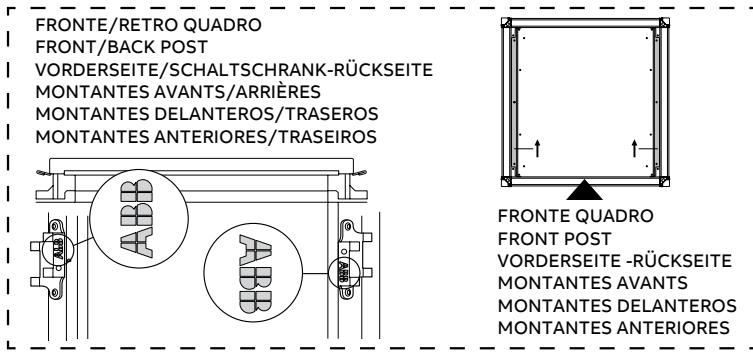
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 EK3050KN-EK3060KN
 EK3080KN-EK4010KN
 EK4040KN-EK4050KN
 EK4060KN-EK4080KN
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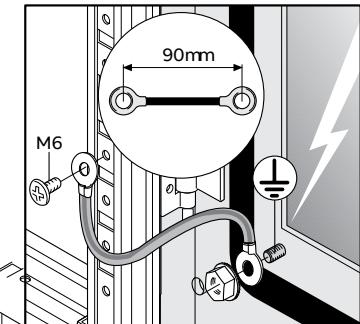
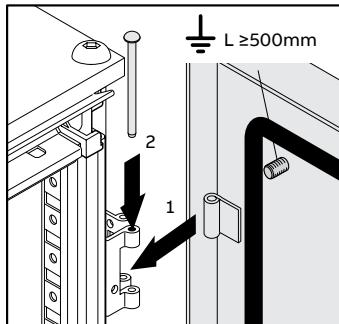
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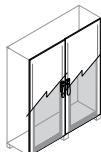


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 EC2260K-EC2280K-EC2210K
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 ET2060K-ET2080K-ET2010K
 ET2260K-ET2280K-ET2211K
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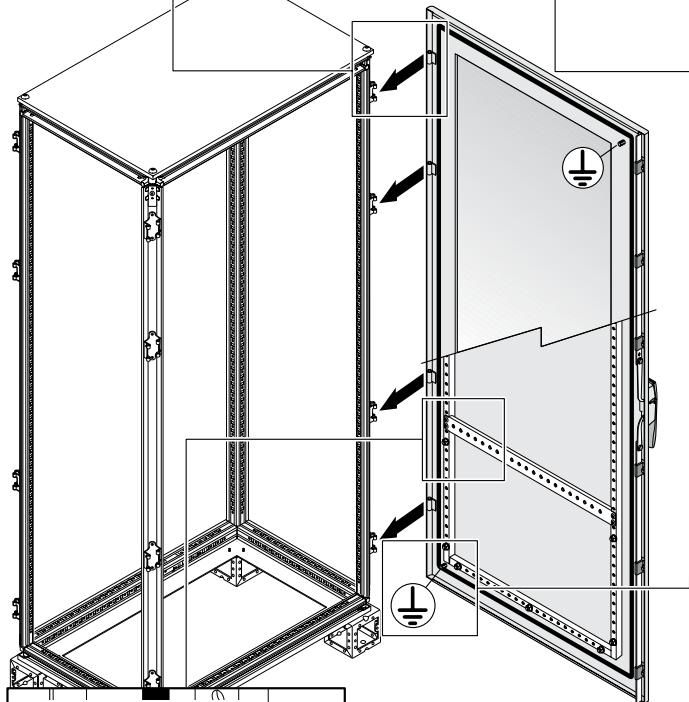


4x

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 EC1880VC2K-EC2080VC2K
 EC2280VC2K-EC1880VC4K
 EC2080VC4K-EC2280VC4K
 EC1880FC5K-EC2080FC5K
 EC2280FC5K-EC1880FC6K
 EC2080FC6K-EC2280FC6K
 EC1880FC8K-EC2080FC8K
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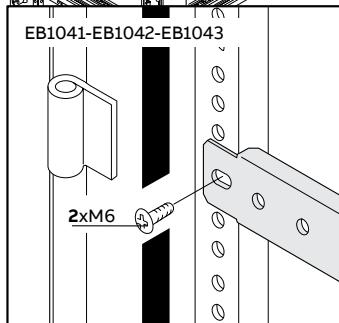
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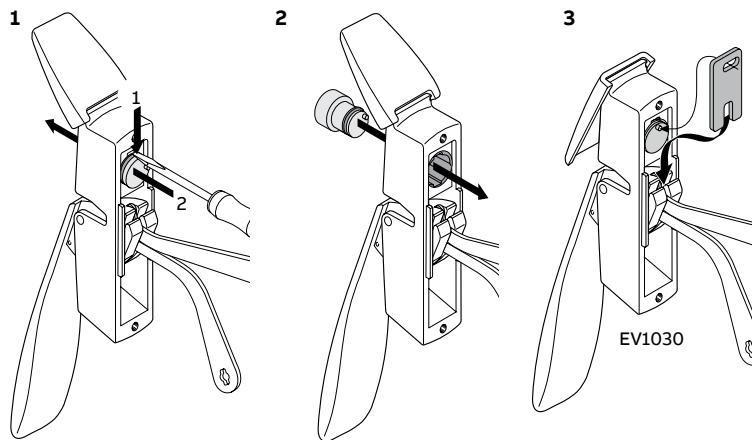
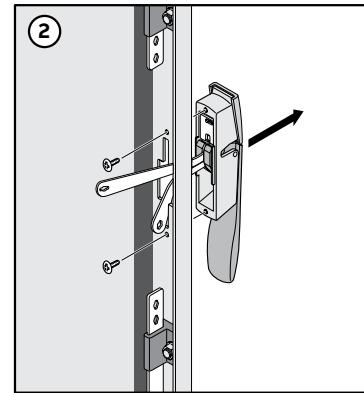
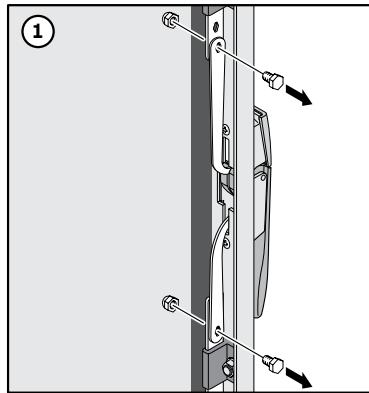
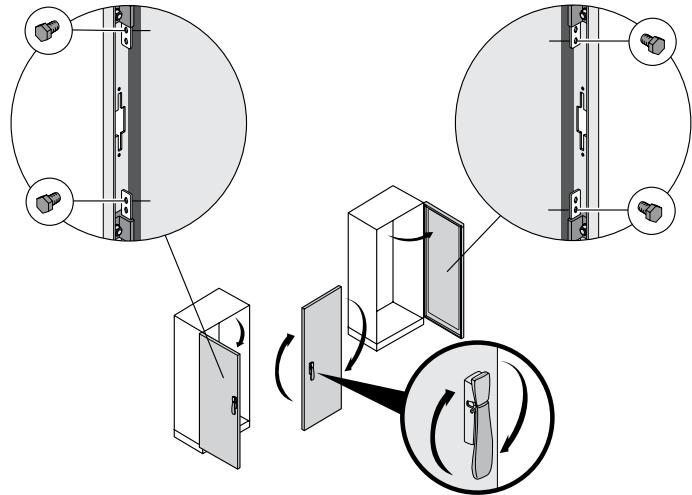
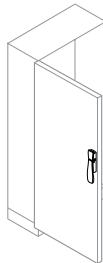
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 EC1881K-EC1811K-EC2041K
 EC2051K-EC2061K-EC2081K
 EC2011K-EC2241K-EC2251K
 EC2261K-EC2281K-EC2211K



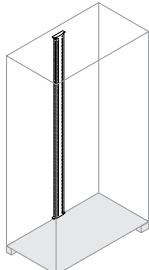
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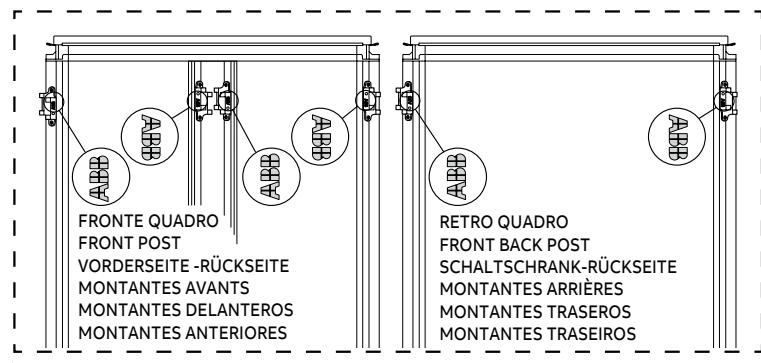
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AA6180-AA6190-AA6200
AD1058-EV1030
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PIRH1242-PIRH2432



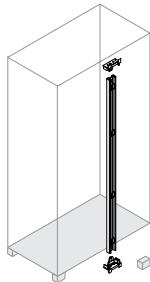
EM1811-EM2011-EM2211



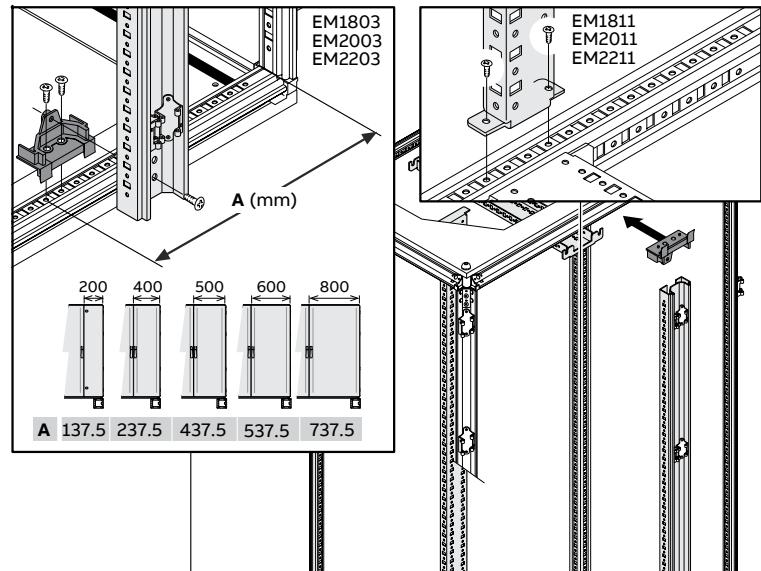
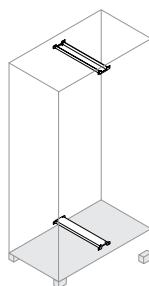
4xM6



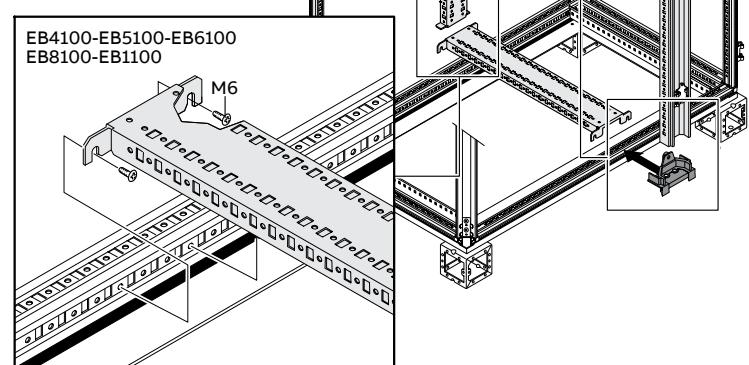
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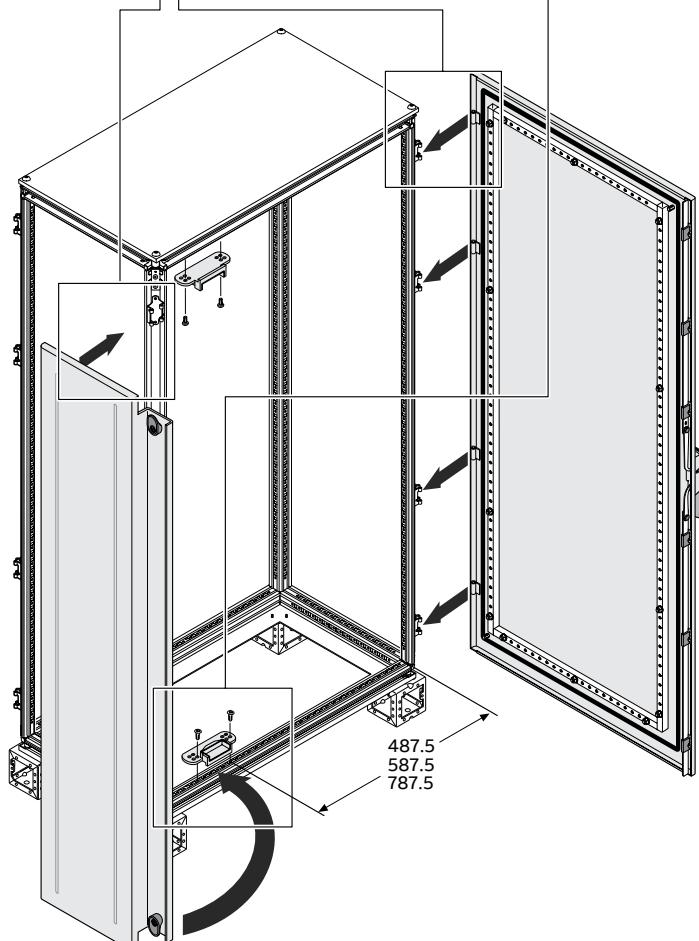
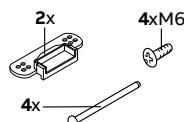
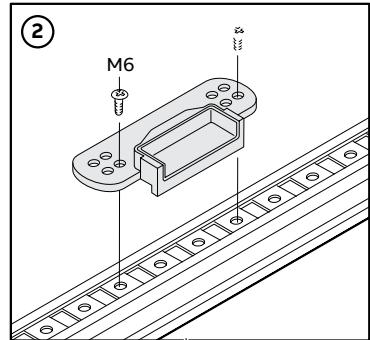
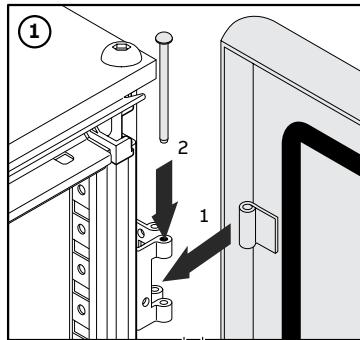
6xM6

EB4100-EB5100-EB6100
EB8100-EB1100

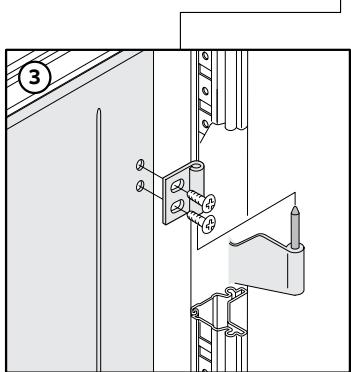
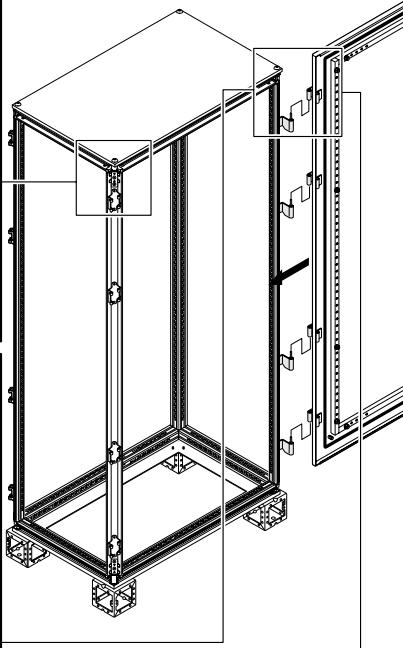
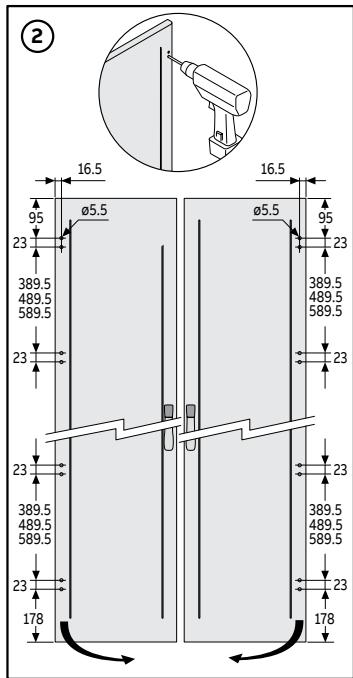
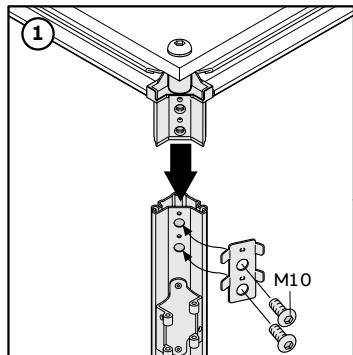
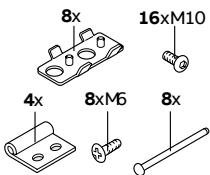
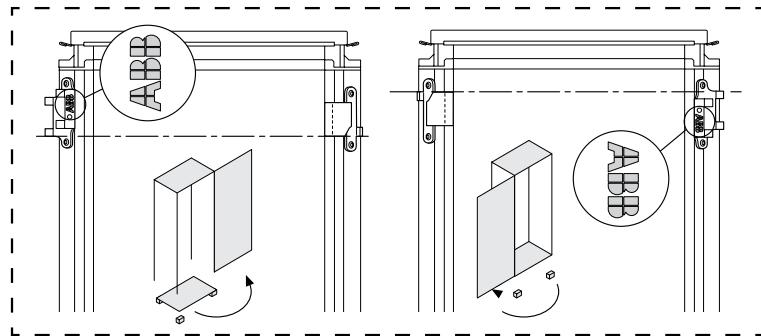
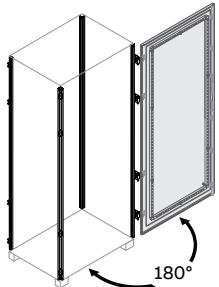
8xM6



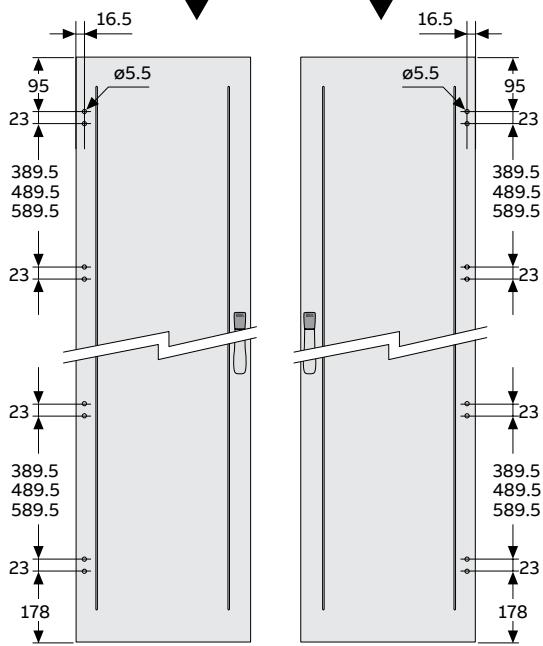
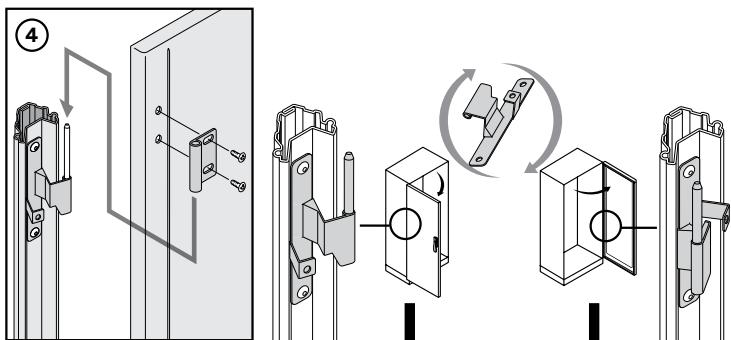
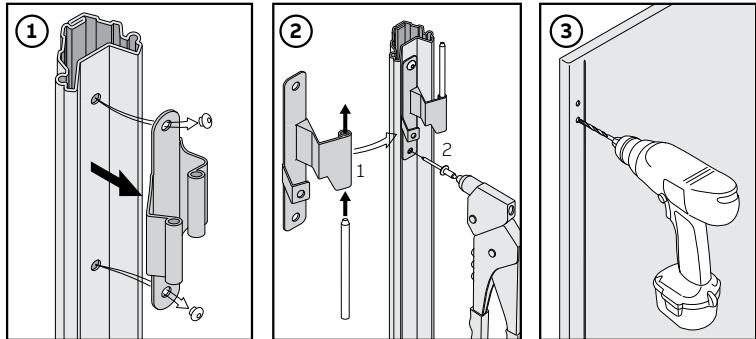
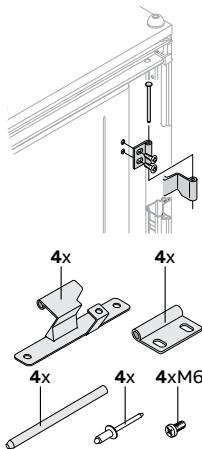
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ED1810SK-ED1812SK
ED1816SK-ED2002SK
ED2004SK-ED2010SK
ED2012SK-ED2016SK
ED2202SK-ED2204SK
ED2210SK-ED2212SK
ED2216SK



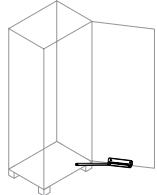
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CR0181

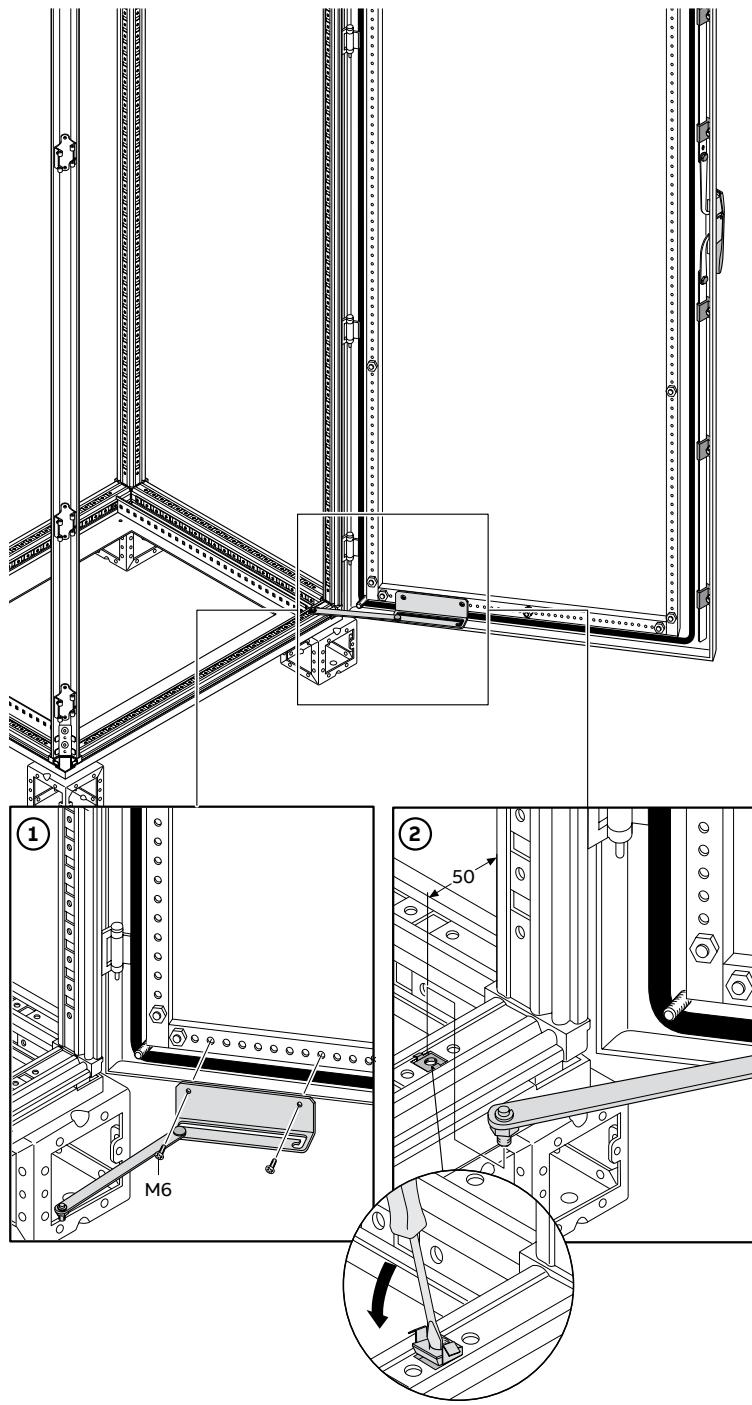


EV0005

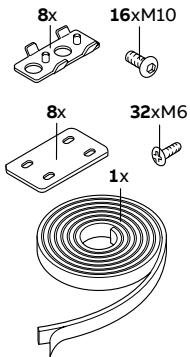
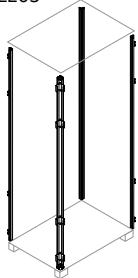


2xM6

1x

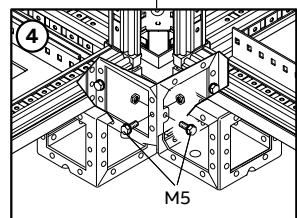
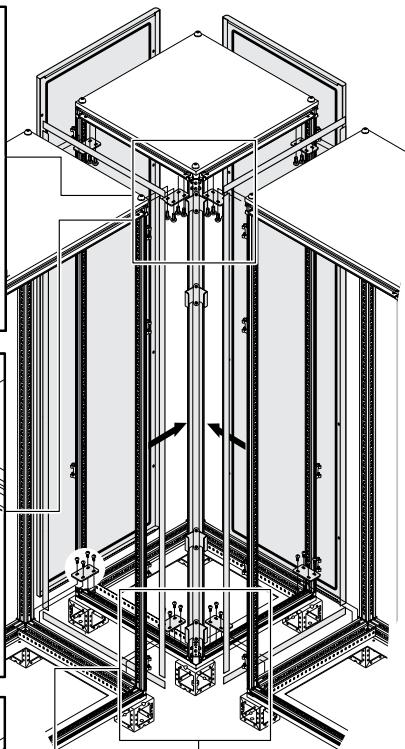
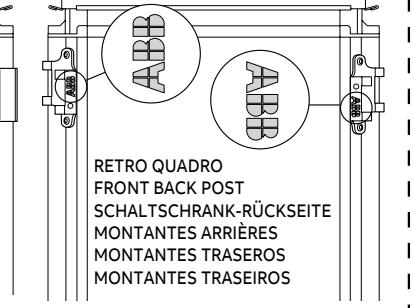
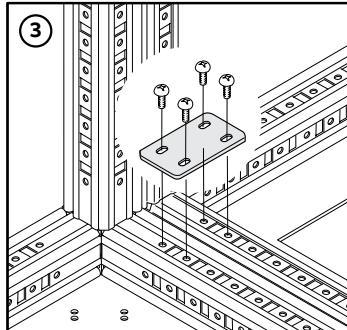
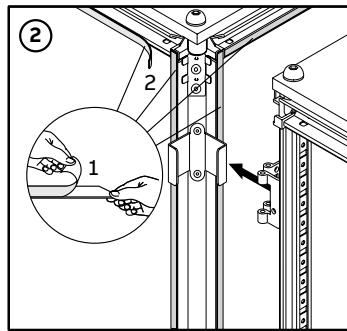
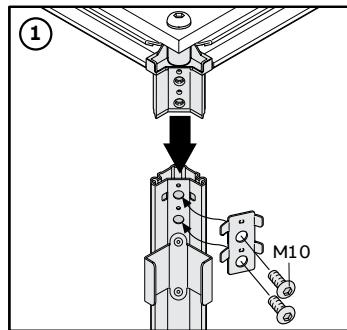


EM1805-EM2005
EM2205

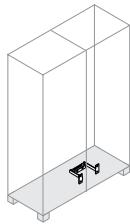


FRONTE QUADRO
FRONT POST
VORDERSEITE -RÜCKSEITE
MONTANTES AVANTS
MONTANTES DELANTEROS
MONTANTES ANTERIORES

RETRO QUADRO
FRONT BACK POST
SCHALTSCHRANK-RÜCKSEITE
MONTANTES ARRIÈRES
MONTANTES TRASEROS
MONTANTES TRASEIROS



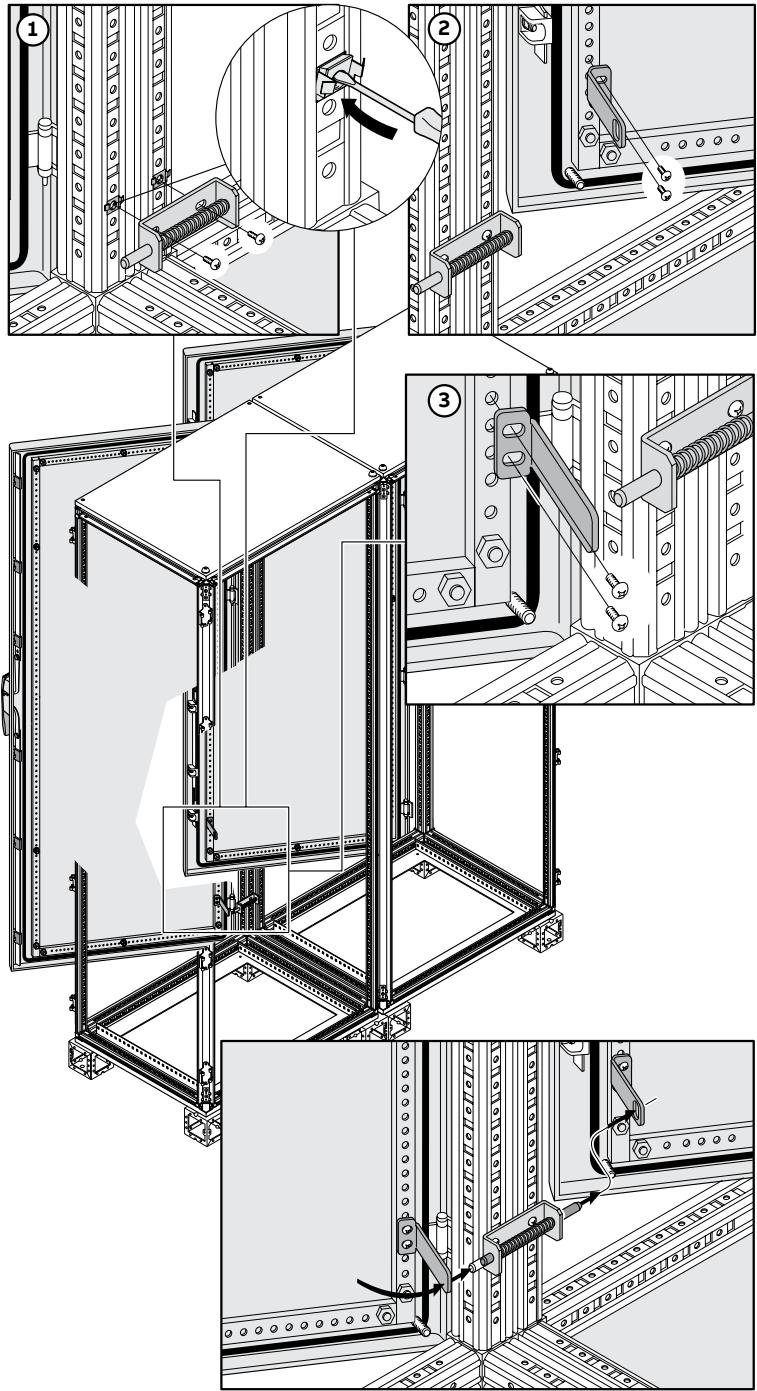
EV1160



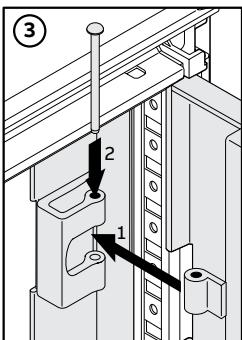
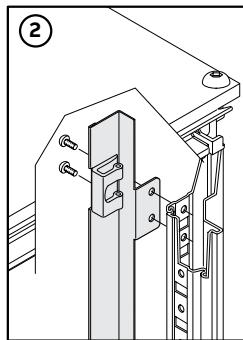
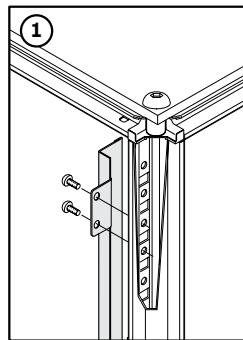
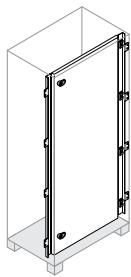
2x



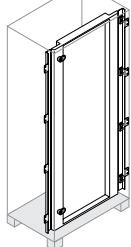
6xM6



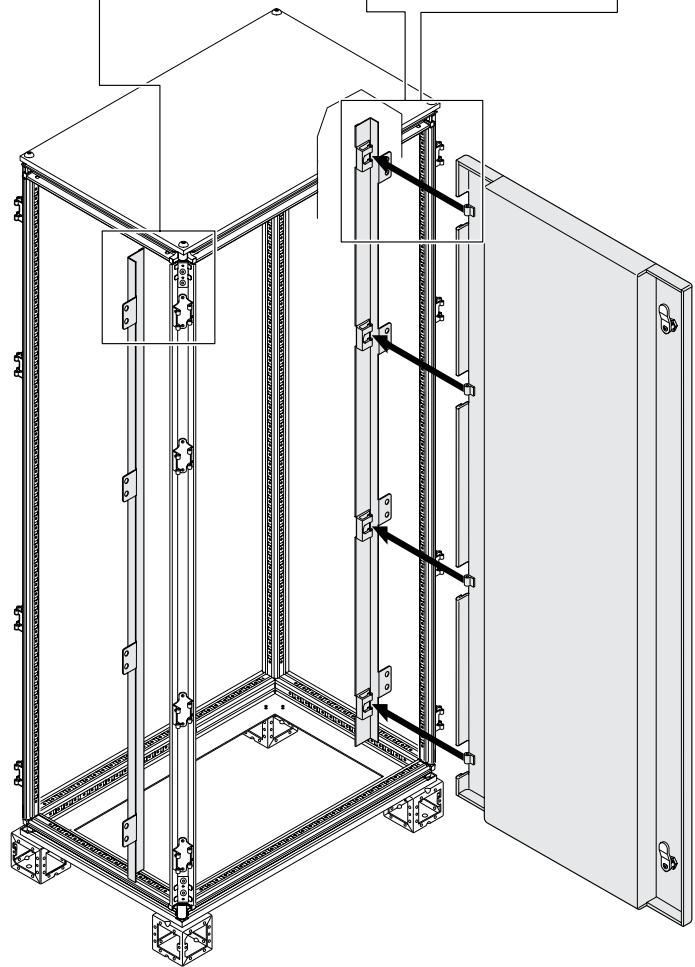
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EE2060K-EE2080K-EE2010K
EE2260K-EE2280K-EE2210K



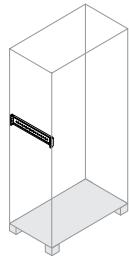
EE1906K-EE1908K-EE1910K
EE2106K-EE2108K-EE2110K
EE2306K-EE2308K-EE2310K



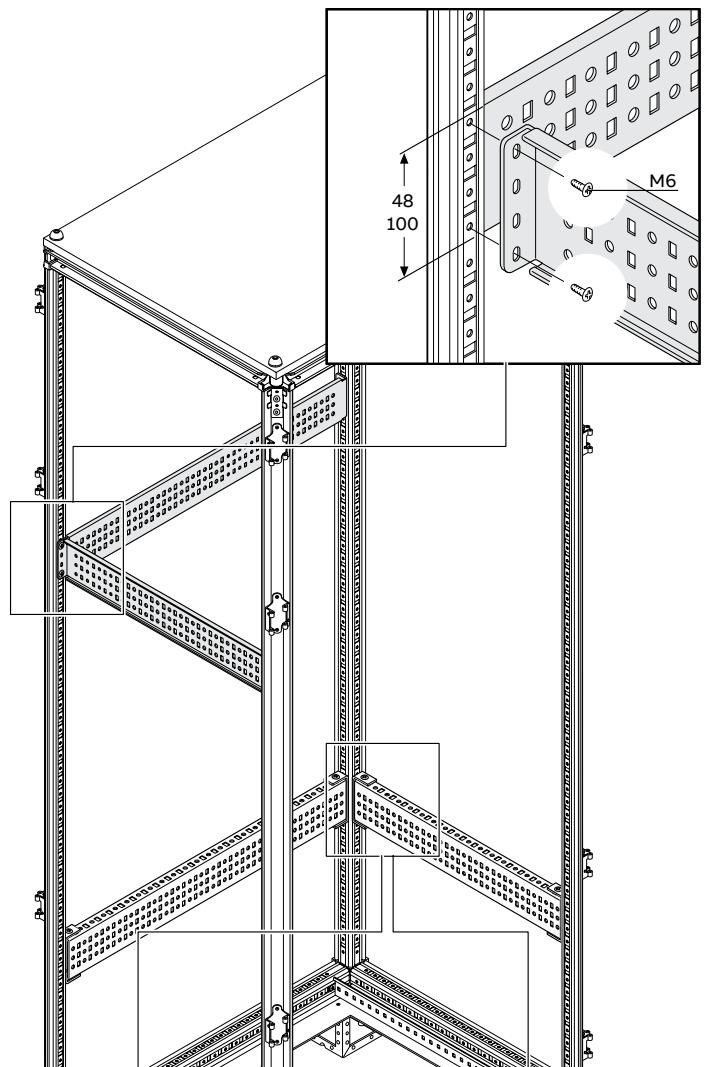
4x
16xM6



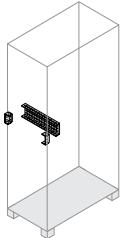
EB0400-EB0500-EB0600
EB0800-EB1000-EB1200
EB0440-EB0550-EB0660
EB0880-EB1010-EB1020



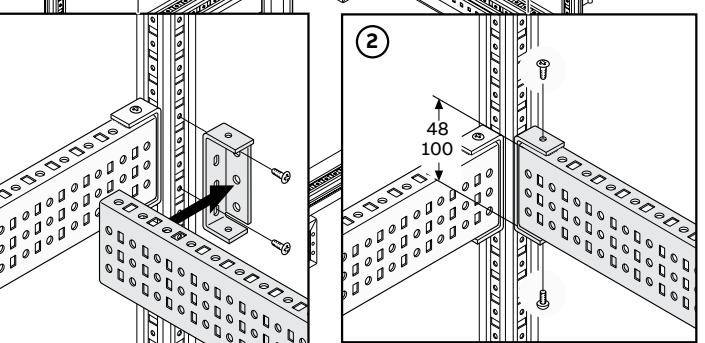
8xM6 2x



EB4860-EB4880-EB4810
EB1060-EB1080-EB1011



16xM6 2x
4x



EL1440K-EL1460K-EL1480K

1STQ005322B0000

1STQ005323B0000

1STQ005324B0000

1STQ005325B0000

EL1650K-EL1660K-EL1680K

EL1610K-EL1840K-EL1850K

EL1860K-EL1880K-EL1810K

EL2040K-EL2050K-EL2060K

EL2080K-EL2012K-EL2240K

EL2250K-EL2260K-EL2280K

EL2210K-EL1841K-EL1851K

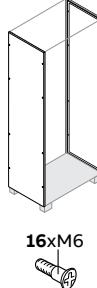
EL1861K-EL1881K-EL1811K

EL2041K-EL2051K-EL2061K

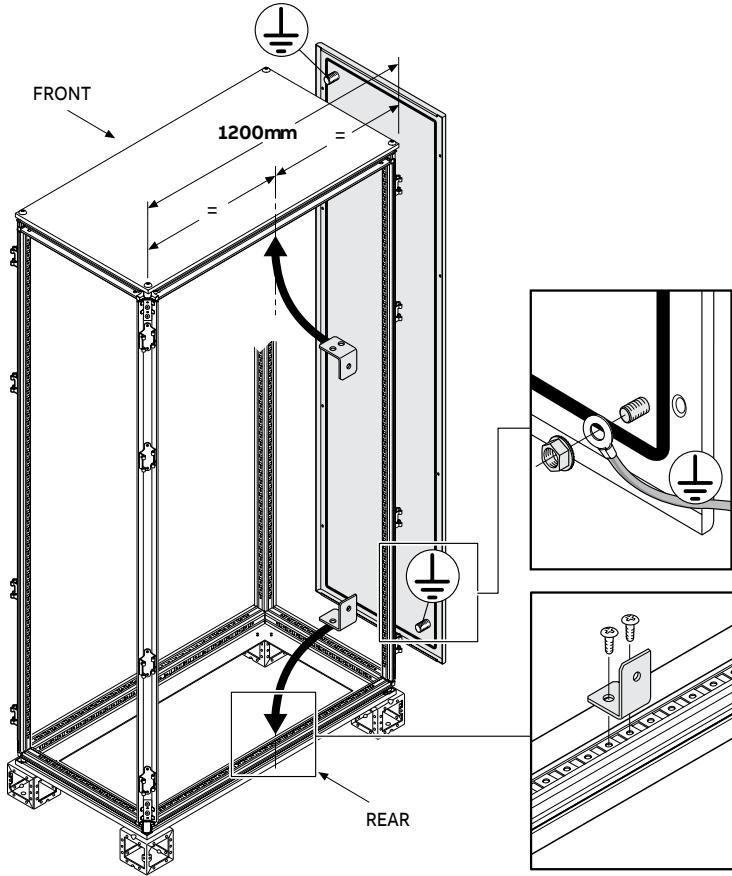
EL2081K-EL2011K-EL2241K

EL2251K-EL2261K-EL2281K

EL2211K



16xM6



EP1440K-EP1460K-EP1480K

1STQ005320B0000-EP1412K

EP1640K-EP1660K-EP1680K

EP1610K-EP1612K-EP1840K

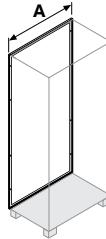
EP1860K-EP1880K-EP1811K

EP1812K-EP2041K-EP2060K

EP2080K-EP2010K-EP2012K

EP2240K-EP2260K-EP2280K

EP2210K-EP2212K

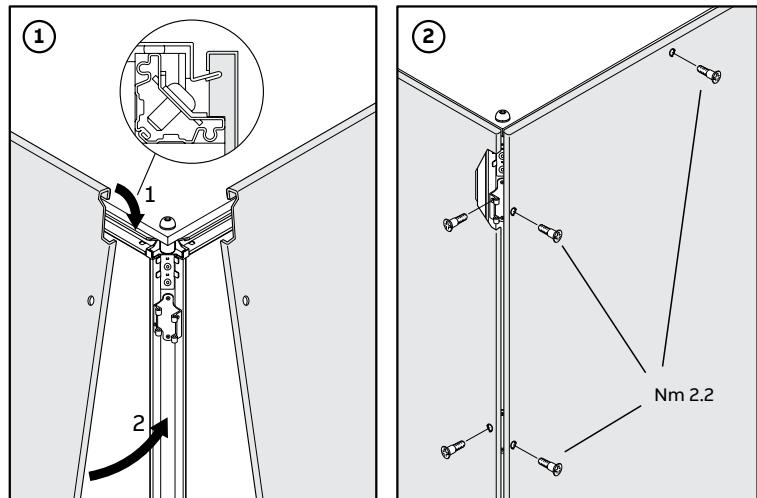


A≤ 1000mm

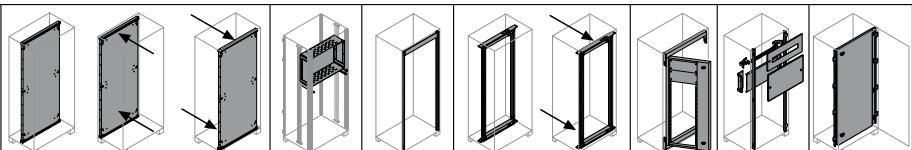
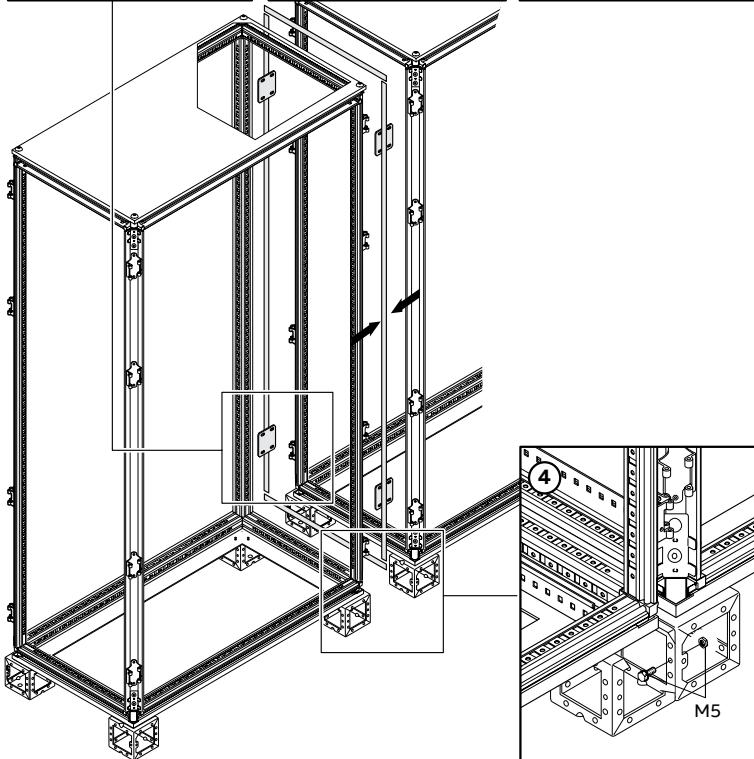
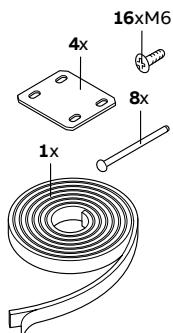
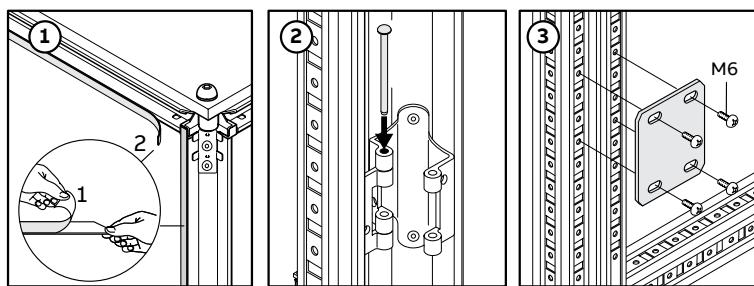
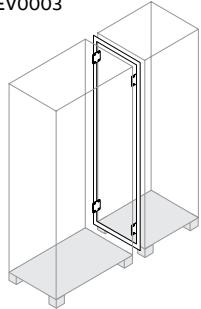
8xM6

A≥ 1200mm

10xM6

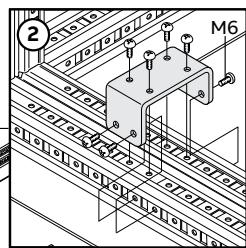
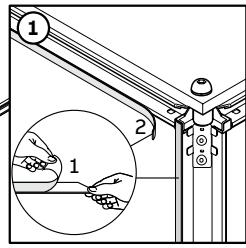
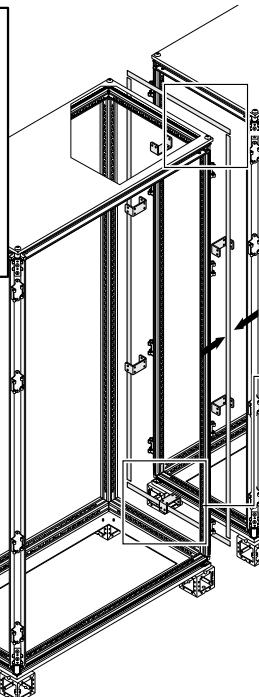
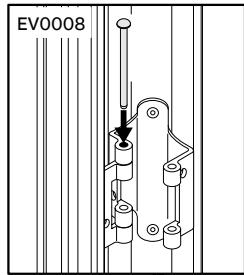
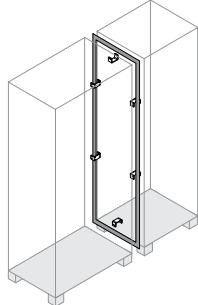


EV0003

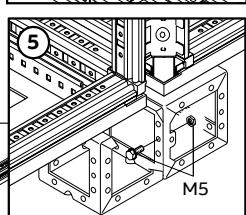
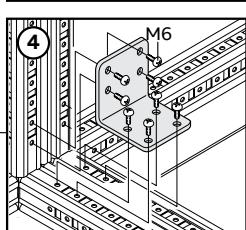
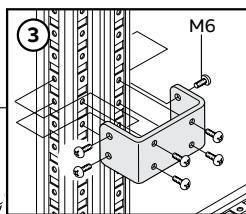
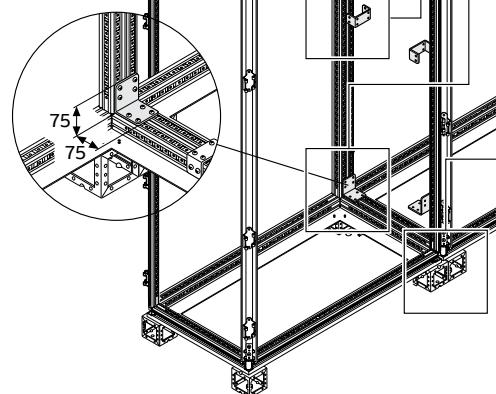
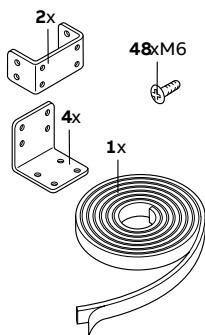
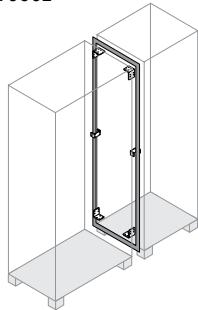


EV0003	OK								
EV0002	OK			OK	OK	OK		OK	OK
EV0006	OK	OK	OK			OK			

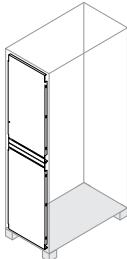
EV0006



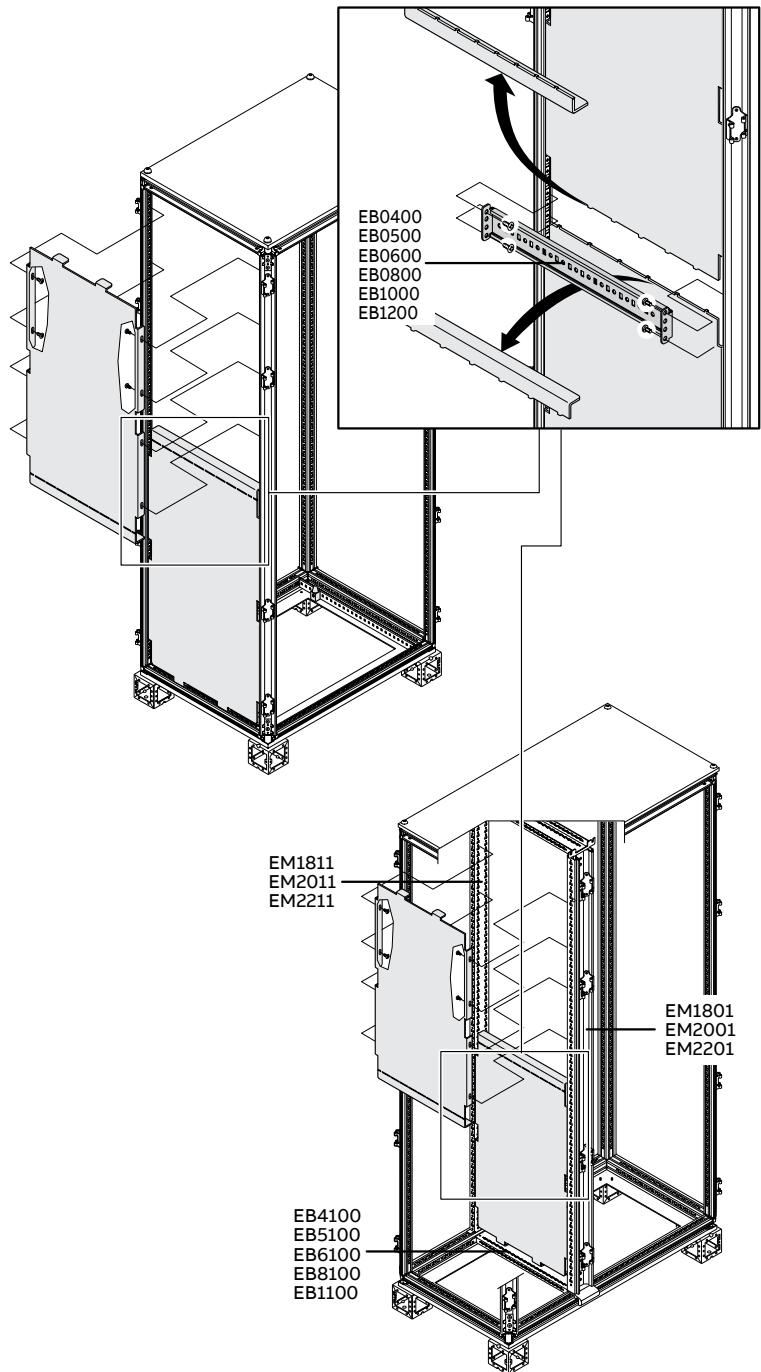
EV0002



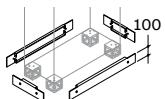
EE1841-EE1851-EE1861
EE1881-EE1811-EE2041
EE2051-EE2061-EE2081
EE2011-EE2241-EE2251
EE2261-EE2281-EE2211



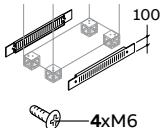
16xM6



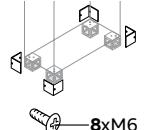
ZN1200-ZN1000
ZN3000-ZN4000-ZN5000
ZN6000-ZN8000



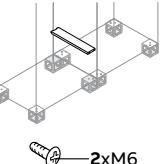
ZN0006-ZN0008-ZN0010



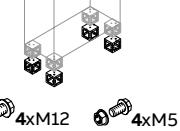
ZN1040



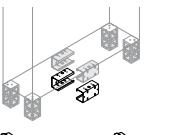
ZN4001-ZN5001-ZN6001
ZN8001-ZN1001



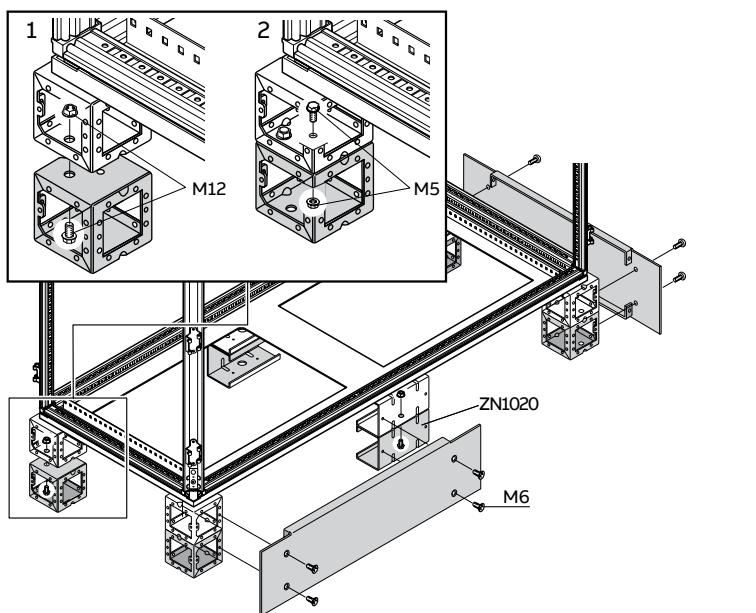
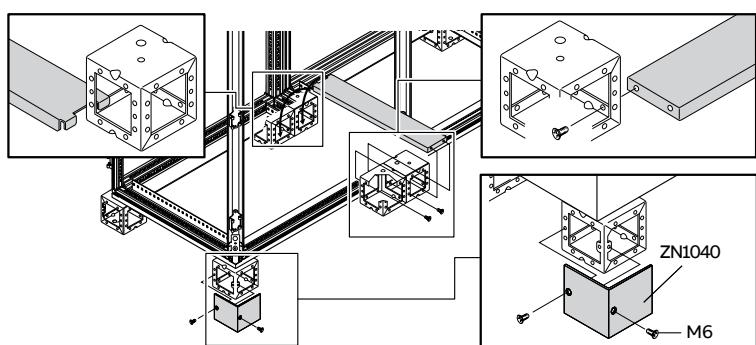
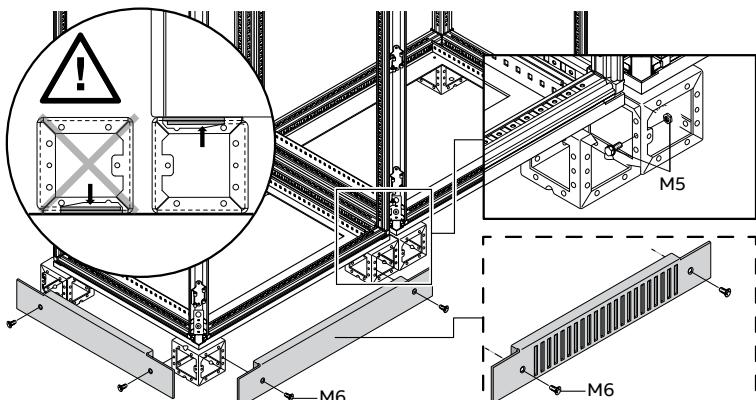
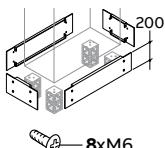
ZN1010



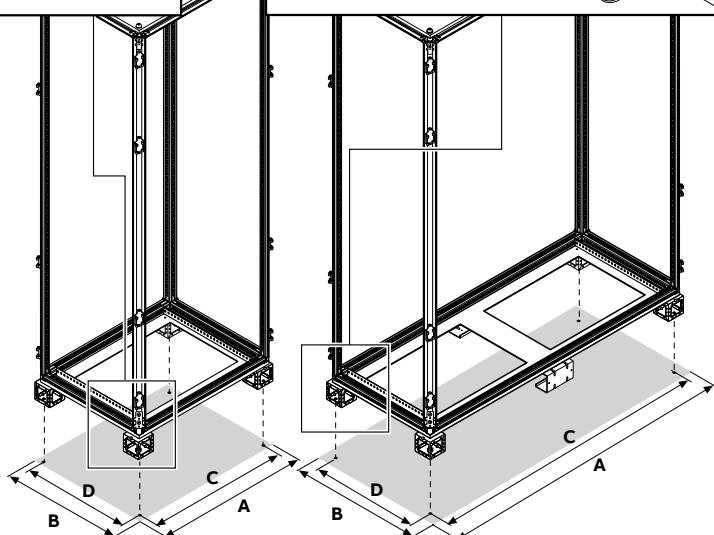
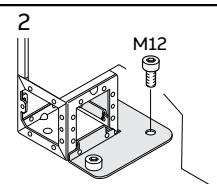
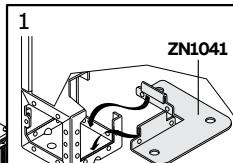
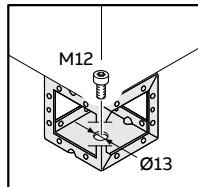
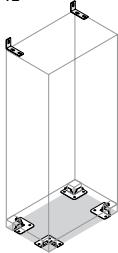
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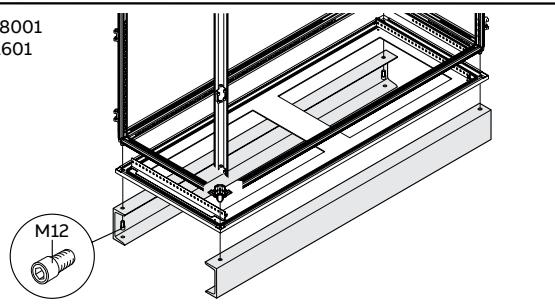
ZN1002-ZN4002-ZN5002
ZN6002-ZN8002



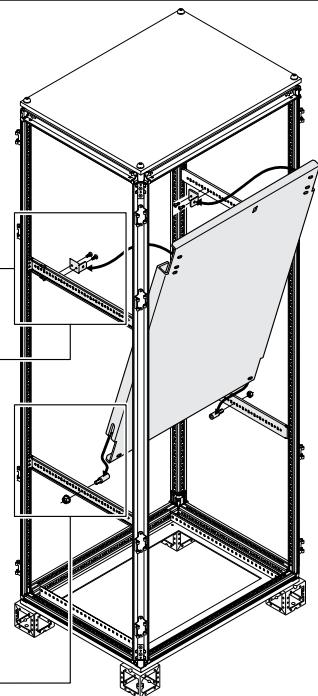
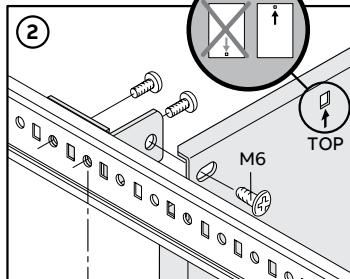
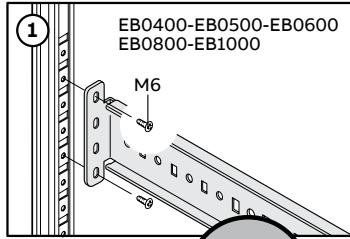
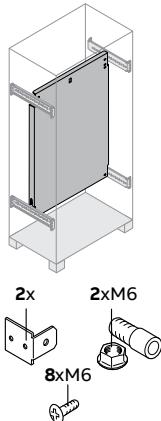
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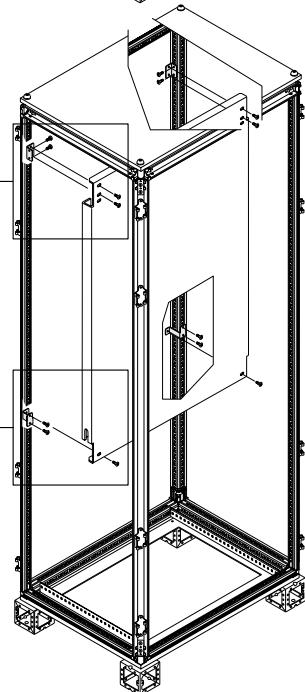
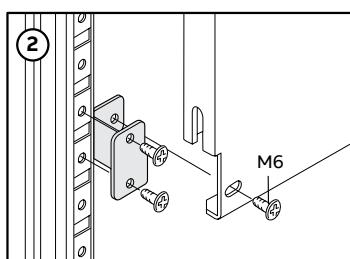
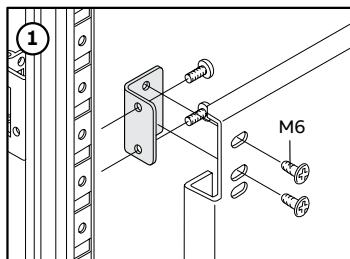
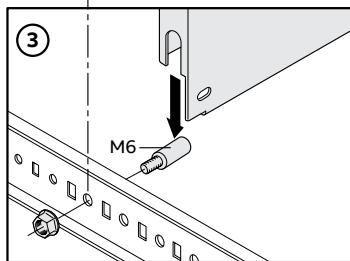
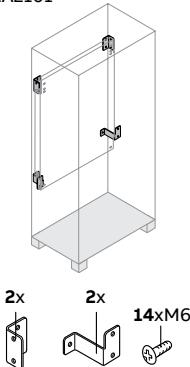
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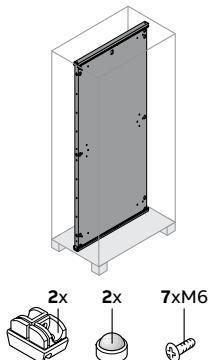
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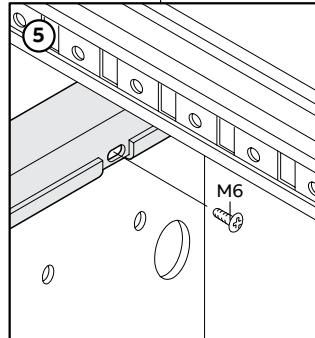
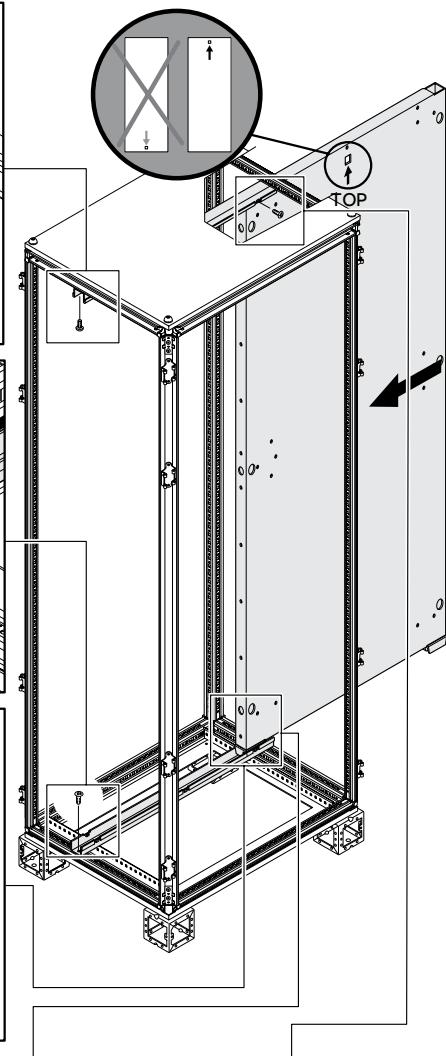
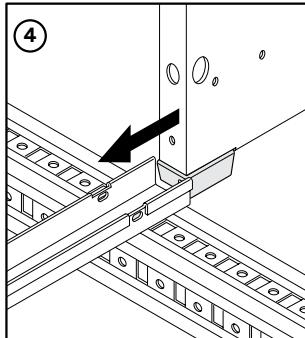
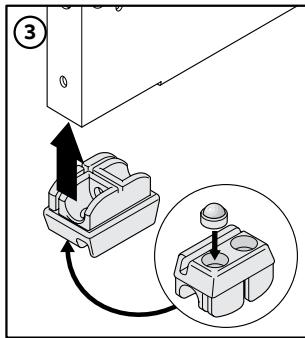
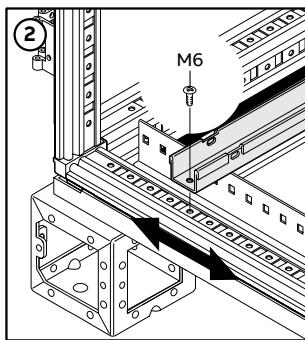
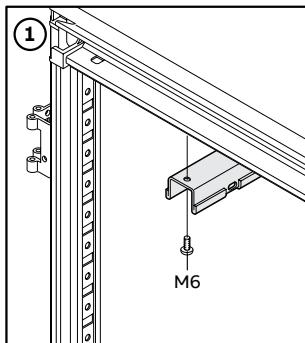
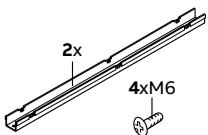
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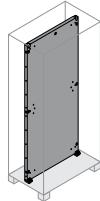
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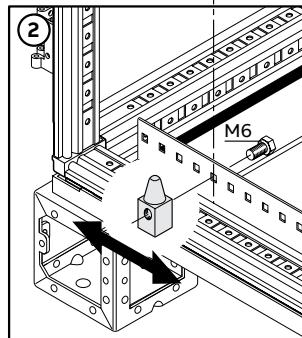
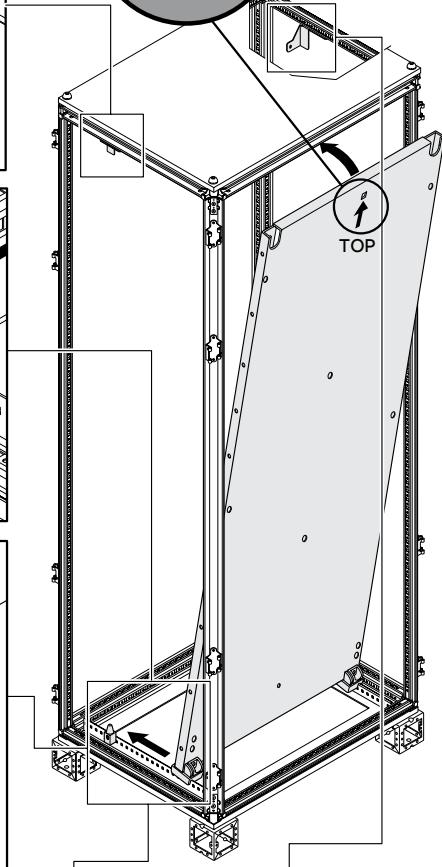
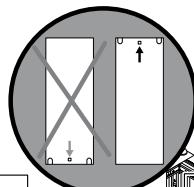
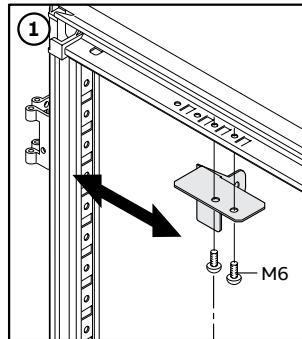
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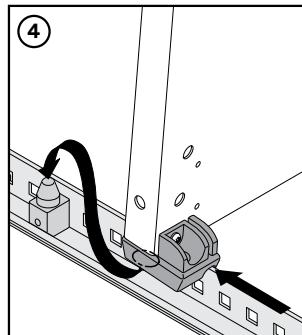
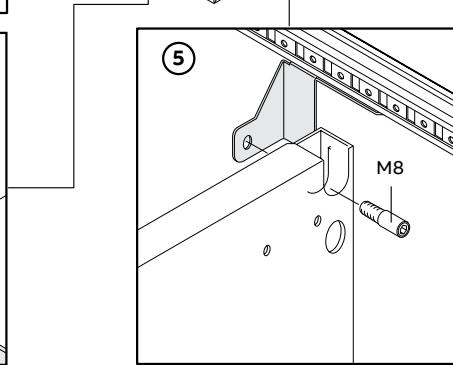
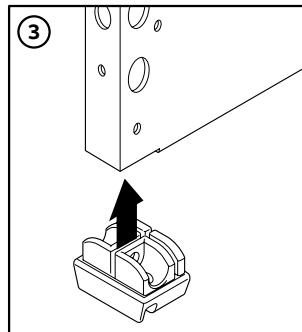
2x
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 2xM8



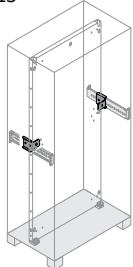
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 EX1880-EX2080-EX2280
 GD1520-GD1530



2x
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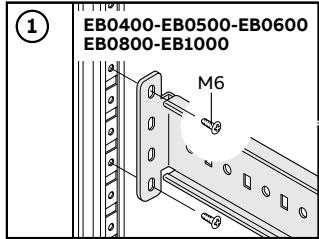


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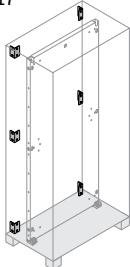


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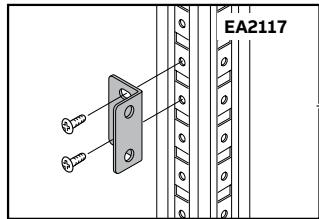
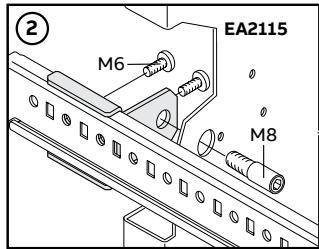
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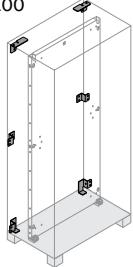
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24xM6

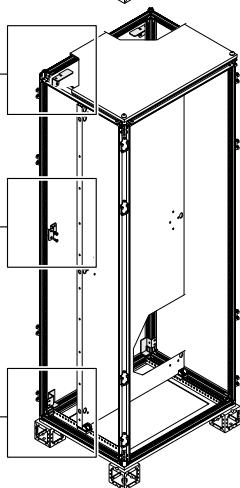
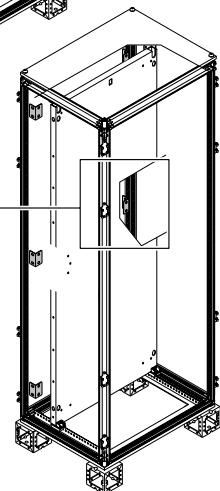
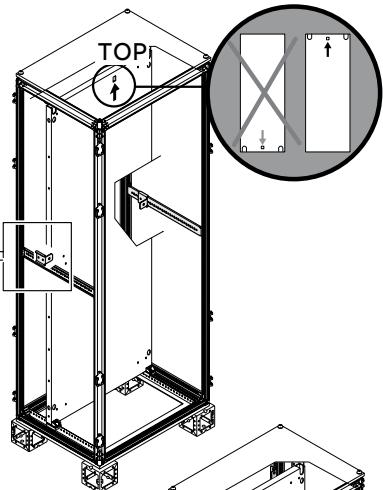
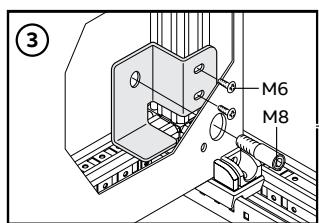
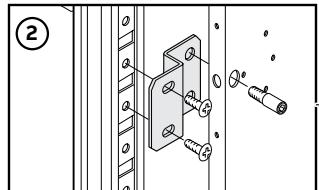
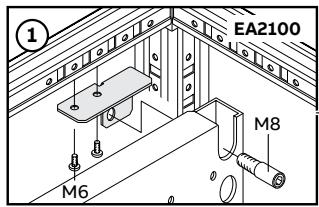


EA2100



8xM6

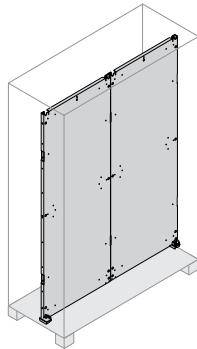
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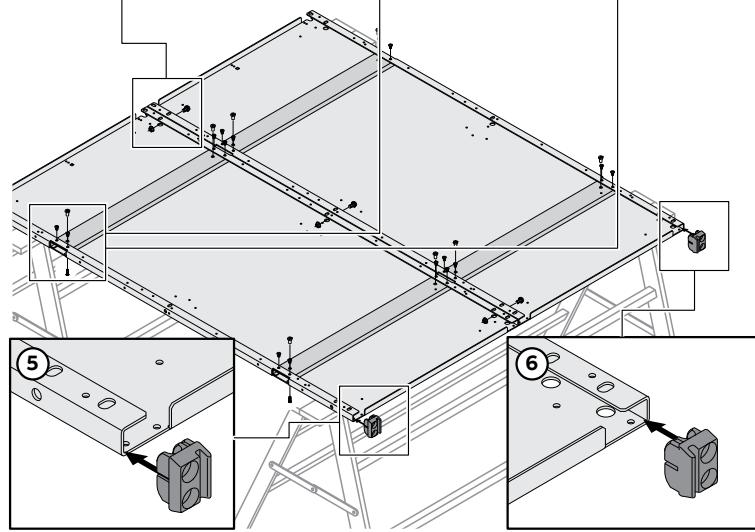
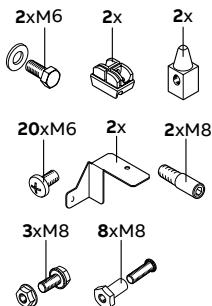
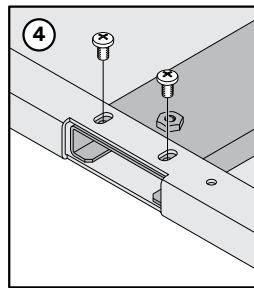
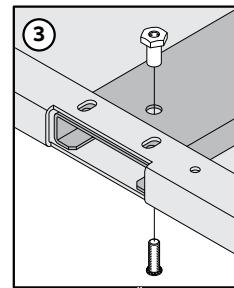
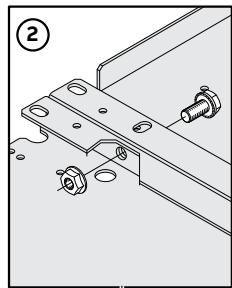
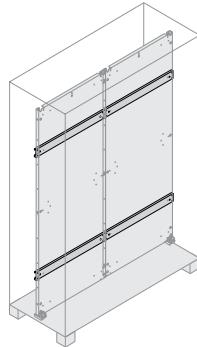
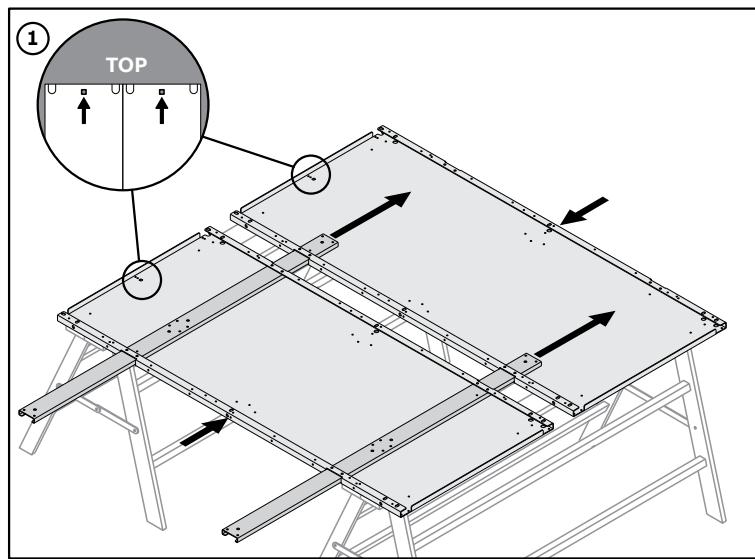
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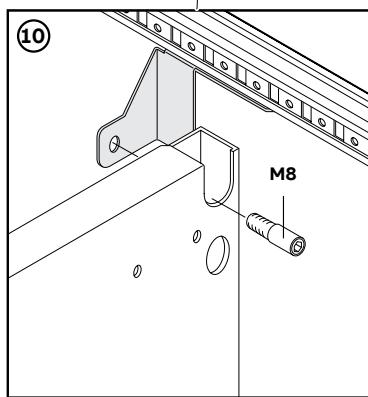
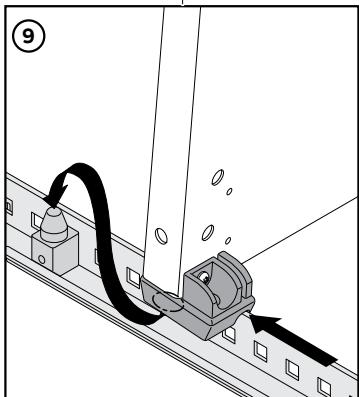
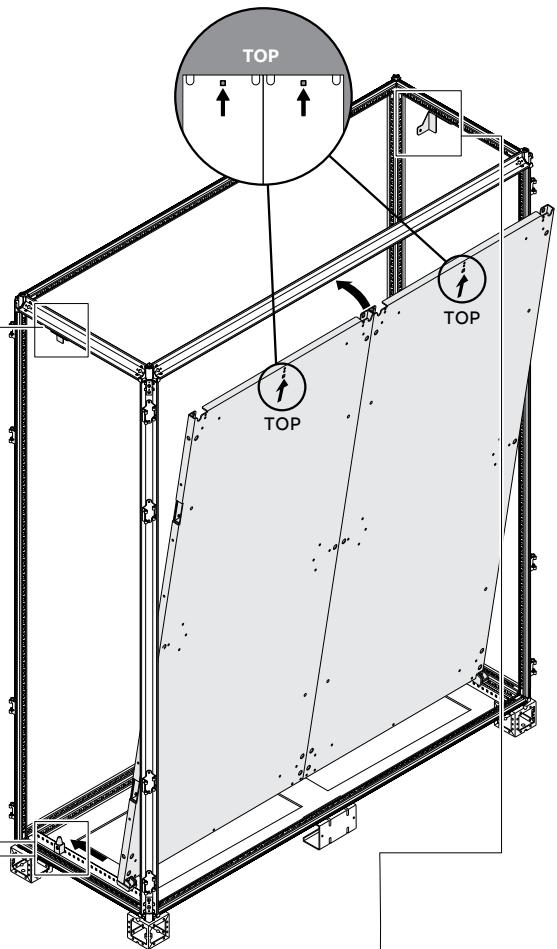
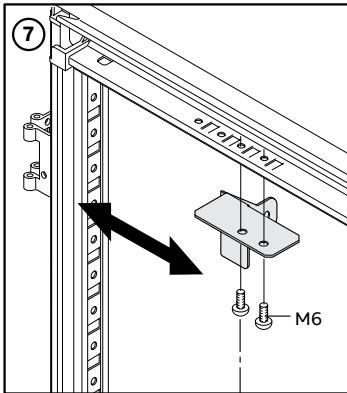
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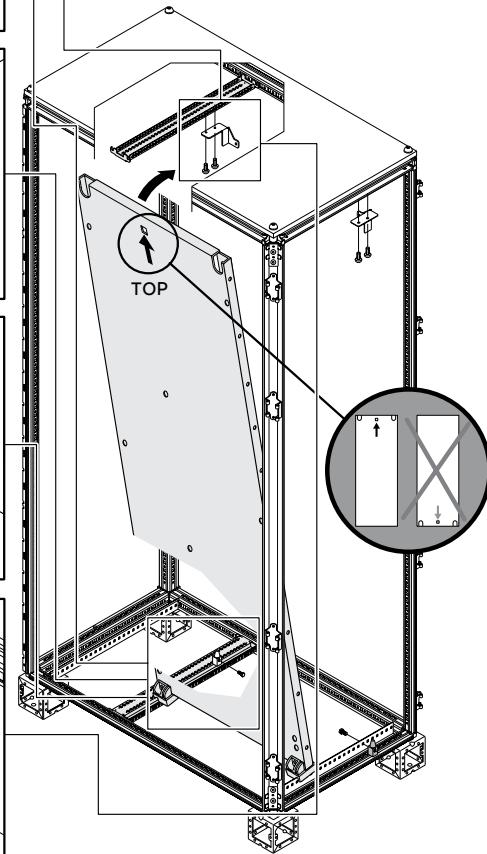
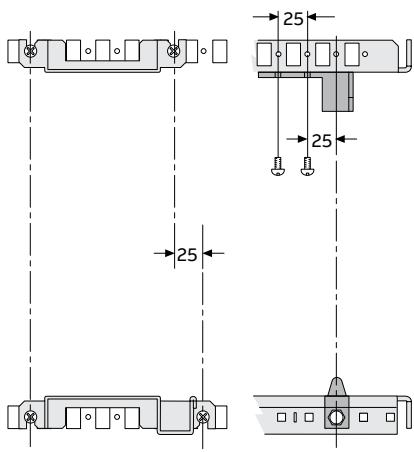
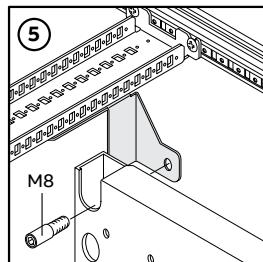
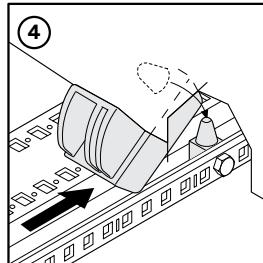
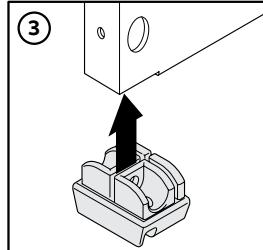
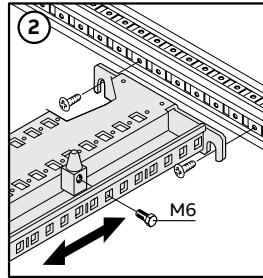
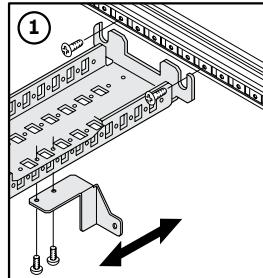
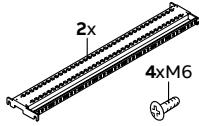
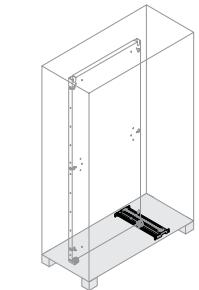


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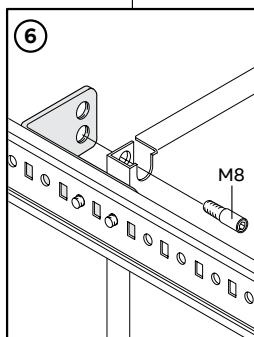
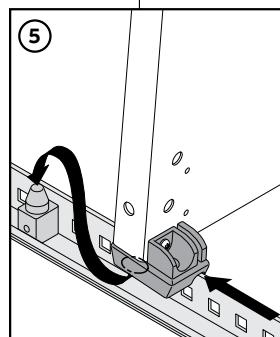
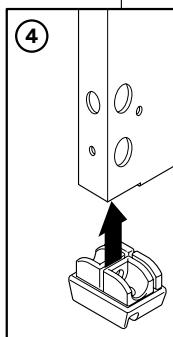
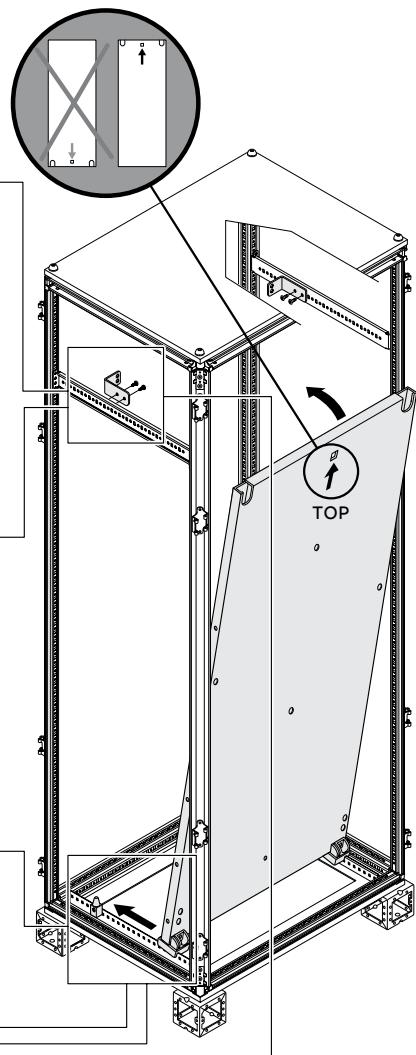
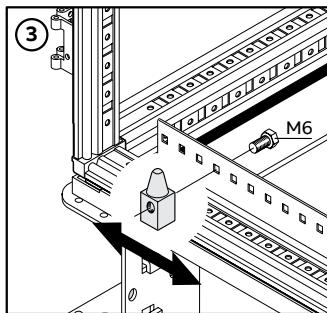
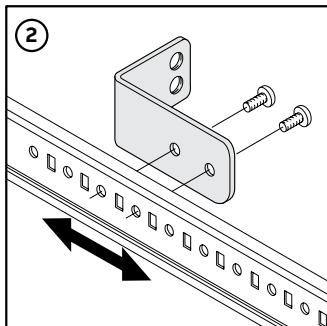
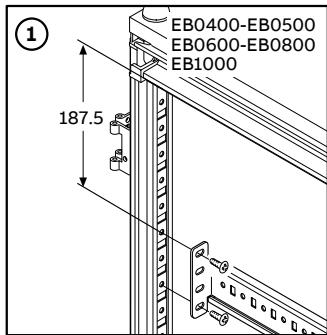
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EB8101-EB1101



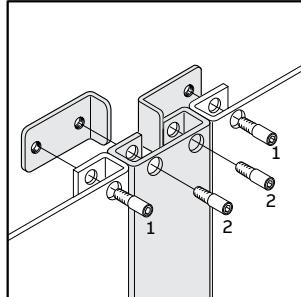
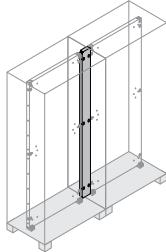
EA2102



2x
4xM6

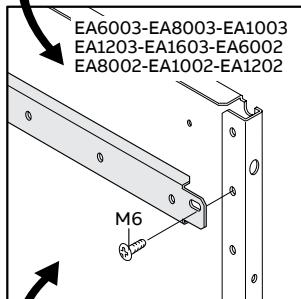
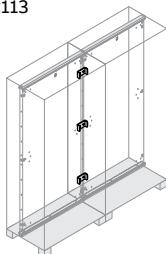


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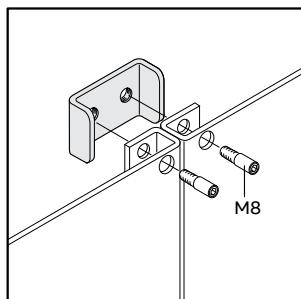
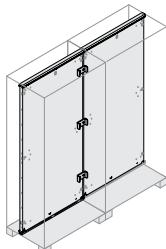
6x
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EA2113

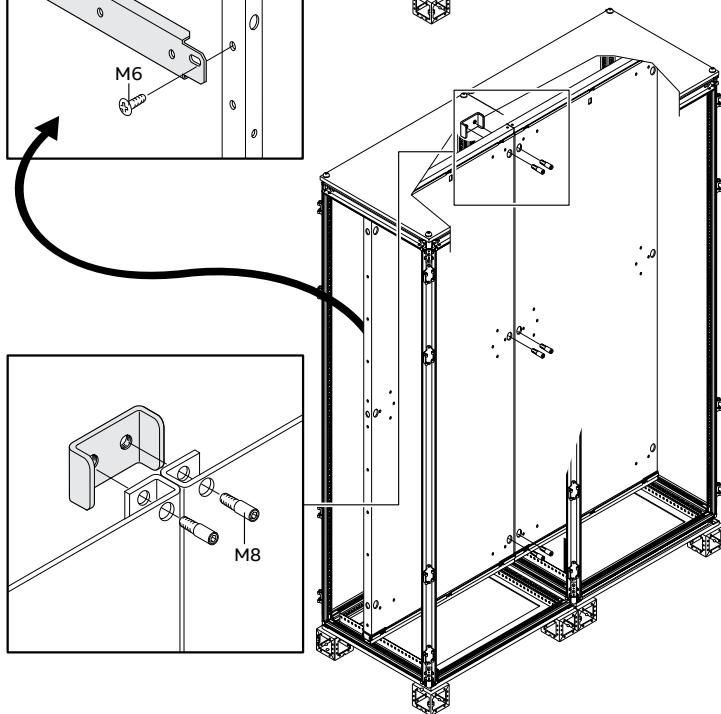
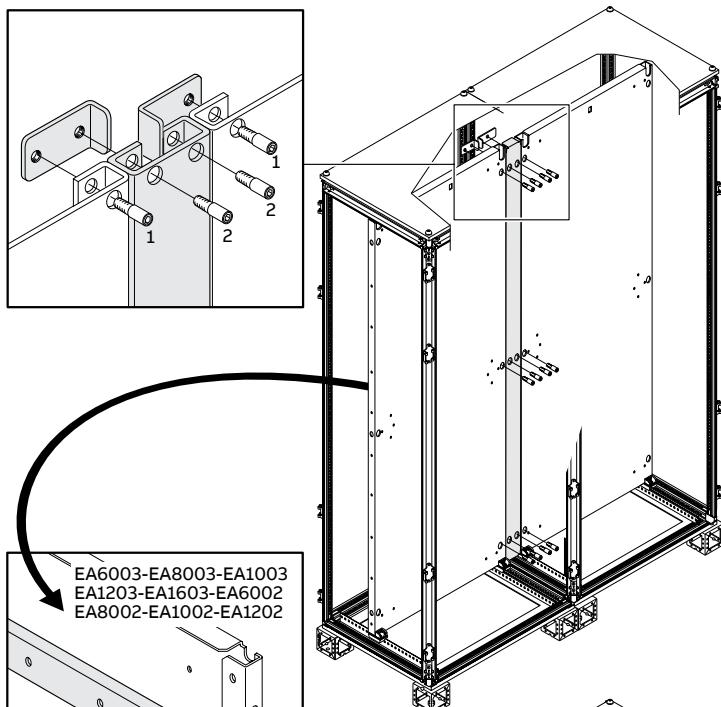


3x
12xM8

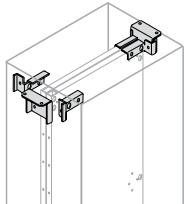
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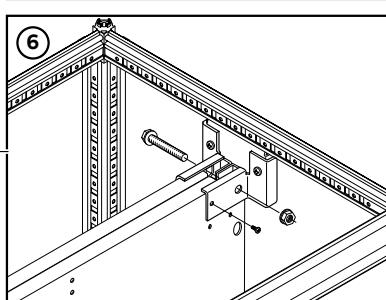
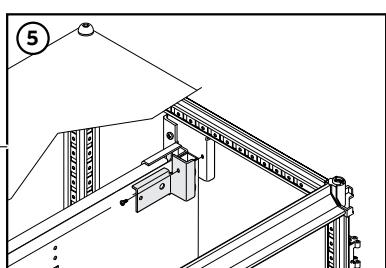
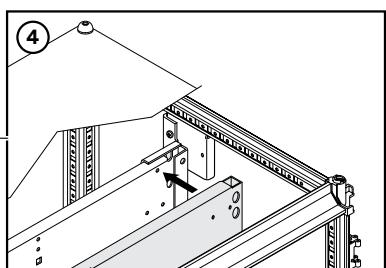
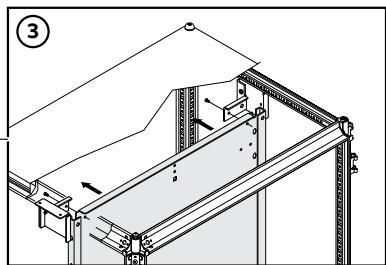
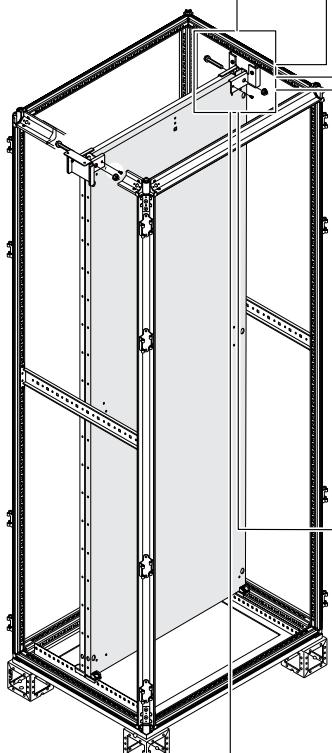
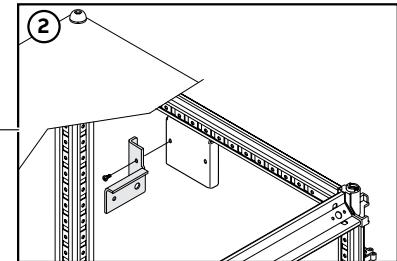
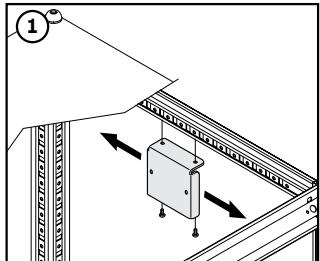
3x
12xM8



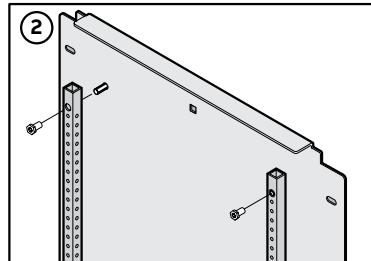
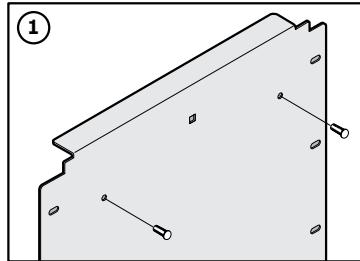
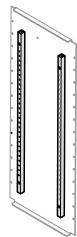
EA2118



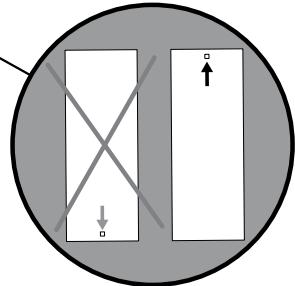
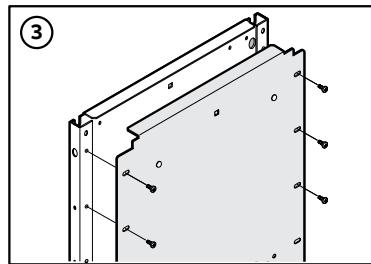
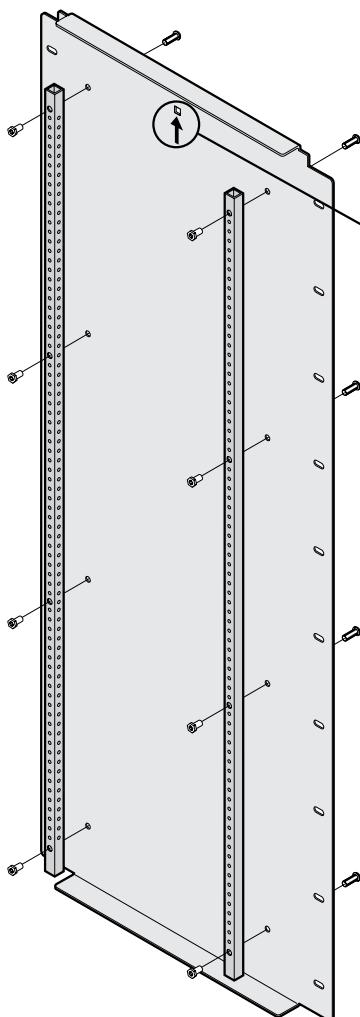
2xM6 2x 2x



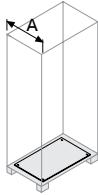
EA0018-EA0020-EA0022



8x??
8x??

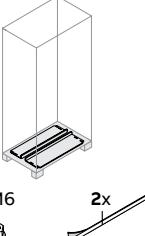


EF4042-EF6043-EF8042
 EF1042-EF4052-EF6052
 EF8052-EF1052-EF406
 EF6062-EF8062-EF1062
 EF4082-EF6082-EF8082
 EF1082-EF6012-EF8012
 EF1012-EF4012
 1STQ005426B0000
 1STQ005427B0000
 1STQ005428B0000



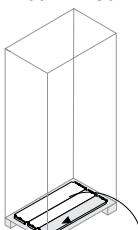
A ≥ 800mm A ≤ 600mm
 8xM6 1x
 8xM6 4xM6

EF4040-EF6040-EF8040
 EF1040-EF4050-EF6050
 EF8050-EF1053-EF4060
 EF6060-EF8060-EF1060
 EF4080-EF6080-EF8080
 EF1080-EF6010-EF8010
 EF1010-EF4010

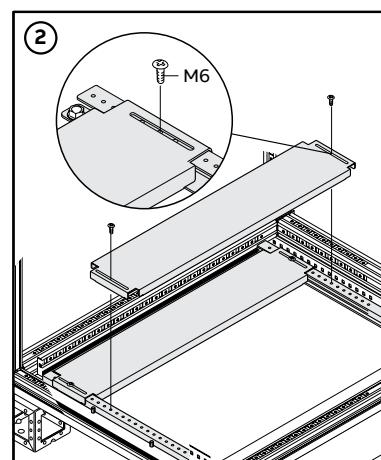
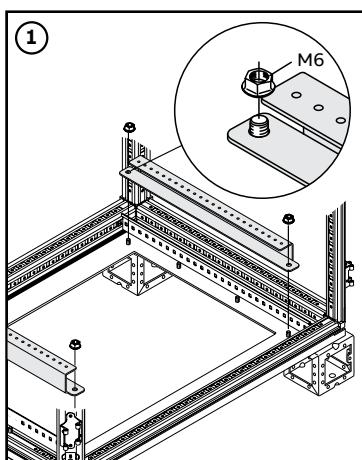
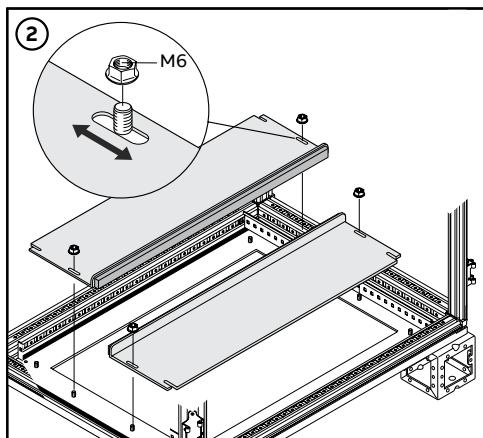
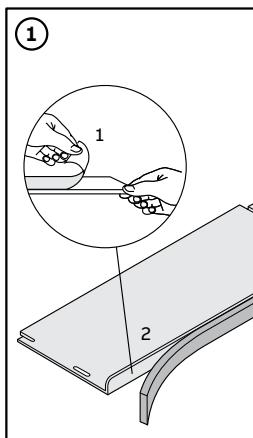
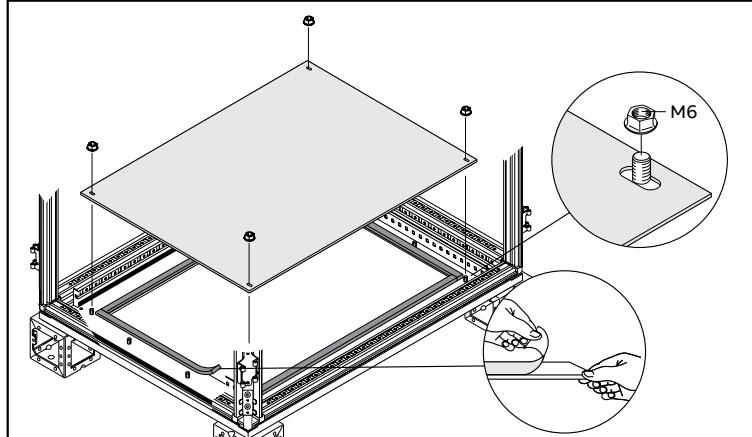


4xM6 2x

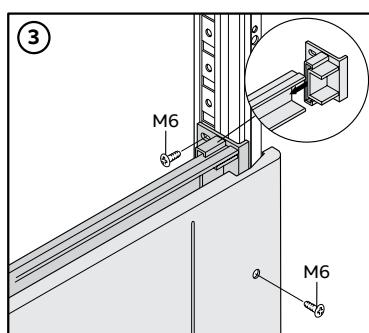
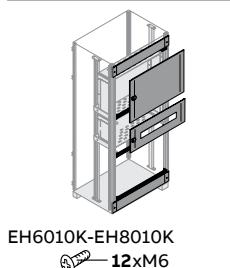
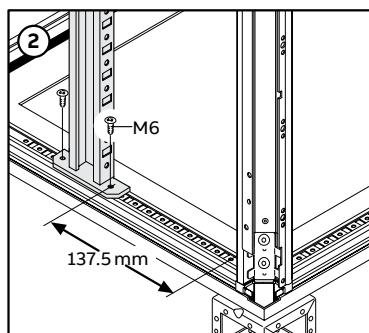
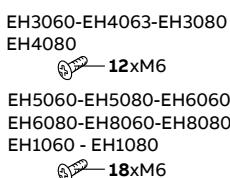
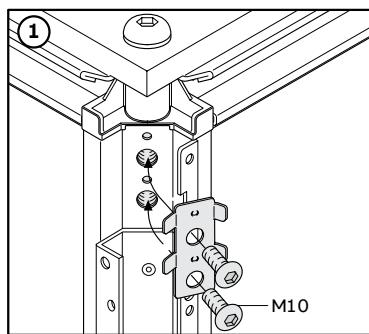
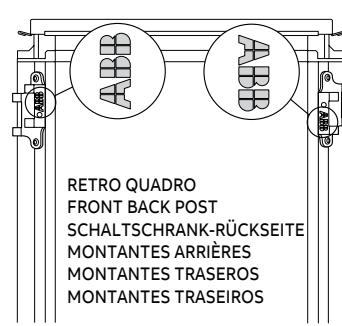
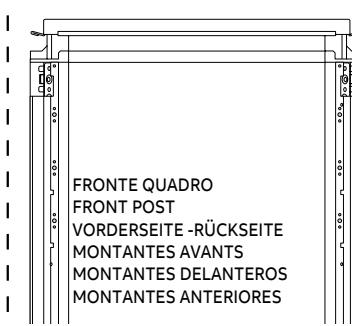
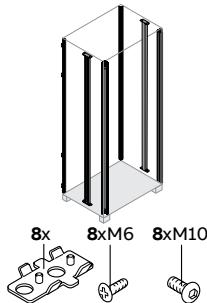
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 EF1041-EF4051-EF6051
 EF8051-EF1051-EF4061
 EF6061-EF8061-EF1061
 EF4081-EF6081-EF8081
 EF1081-EF6011-EF8011
 EF1011



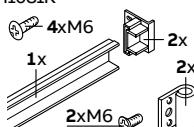
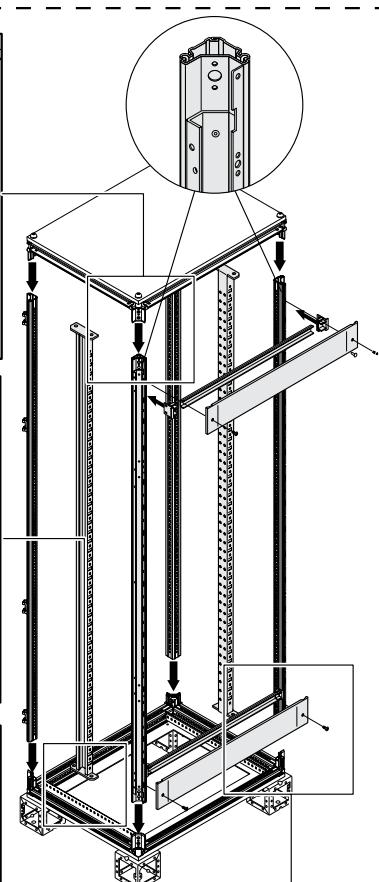
2x 4xM6 2xM

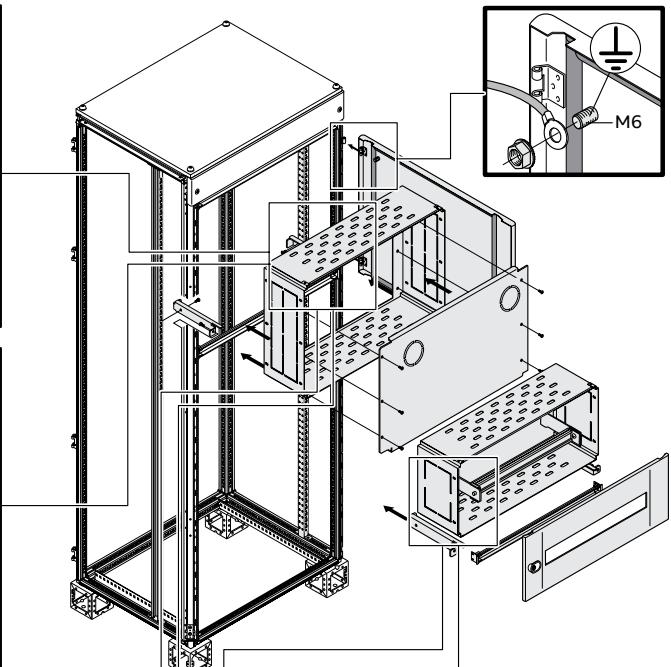
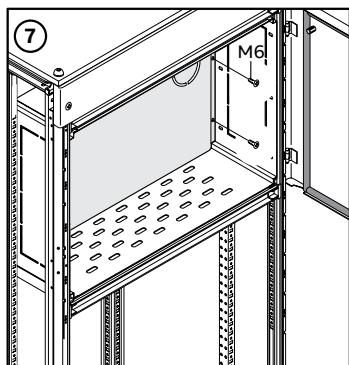
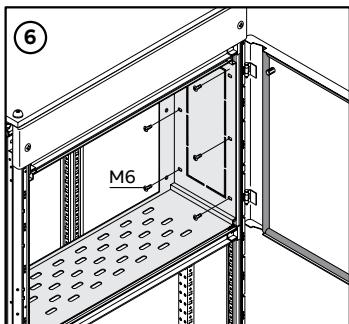
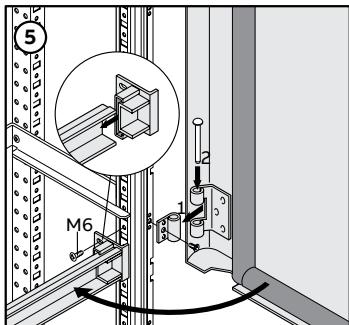
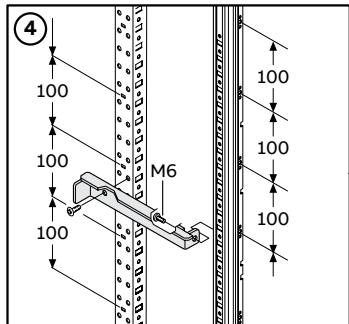


EM1802-EM2002-EM2202



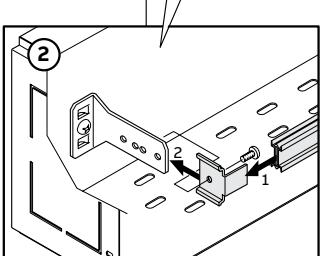
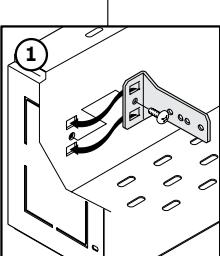
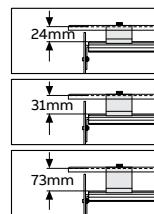
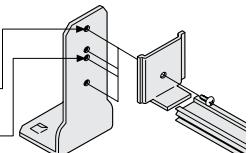
EH2061K-EH3061K-EH4061K
EH5061K-EH6061K-EH8062K
EH2081K-EH3081K-EH4081K
EH5081K-EH6083K-EH8081K
EH7262K-EH7282K-EH7284K
EH2067K-EH2087K-EH1061K
EH1081K



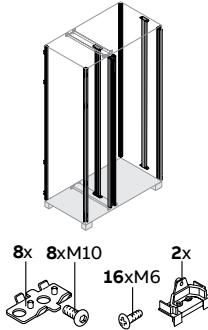


Apparecchi modulari
Modular devices
Equerres rail DIN
Aparatos modulares
Aparelhos modulares

Tmax T1-T2-T3

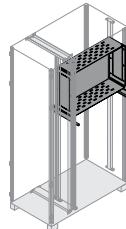
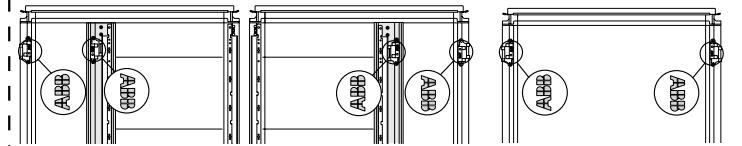


EM1803-EM 2003-EM2203



FRONTE QUADRO
FRONT POST
VORDERSEITE -RÜCKSEITE
MONTANTES AVANTS
MONTANTES DELANTEROS
MONTANTES ANTERIORES

RETRO QUADRO
FRONT BACK POST
SCHALTSCHRANK-RÜCKSEITE
MONTANTES ARRIÈRES
MONTANTES TRASEROS
MONTANTES TRASEIROS



EH2060-EH2180-EH2066
EH2086

8xM6

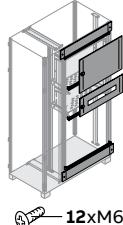
EH3060-EH4063-EH3080
EH4080

12xM6

EH5060-EH5080-EH6060
EH6080-EH8060-EH8080

18xM6

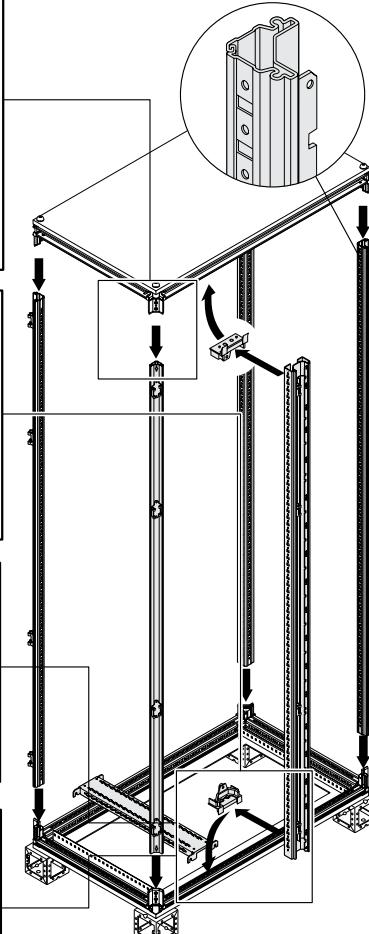
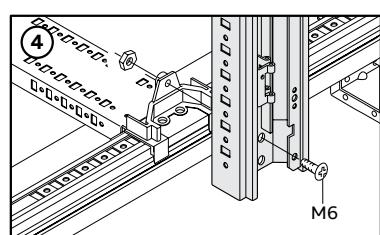
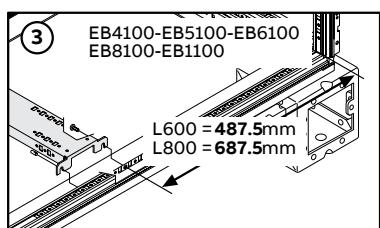
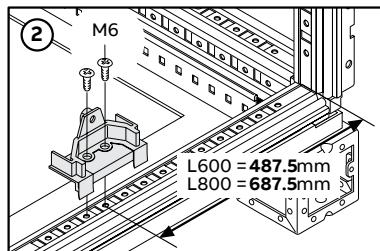
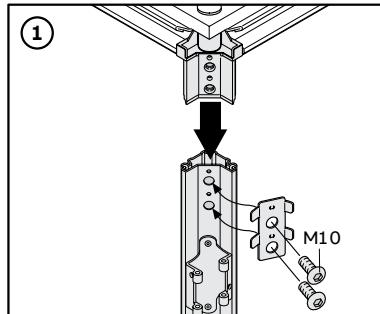
EH6010K - EH8010K

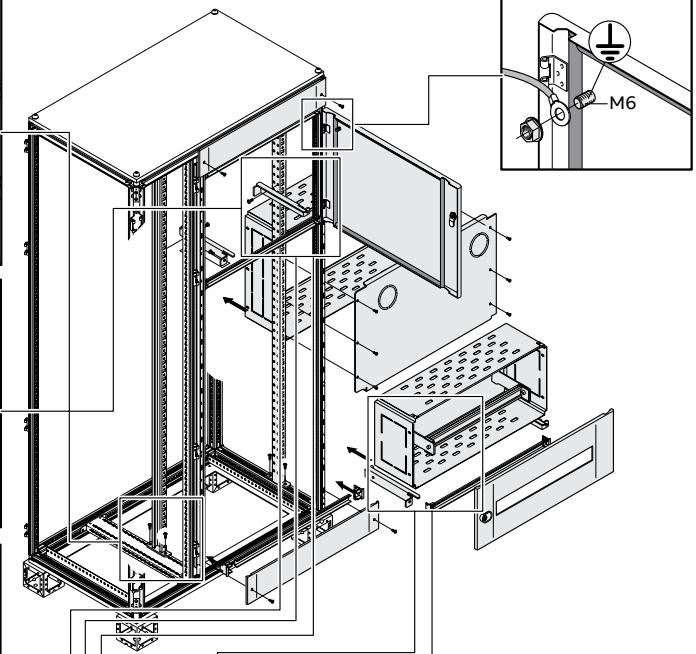
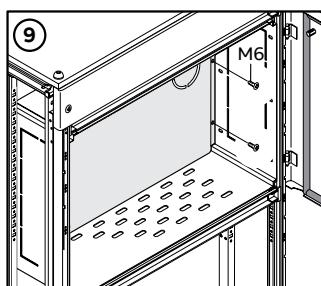
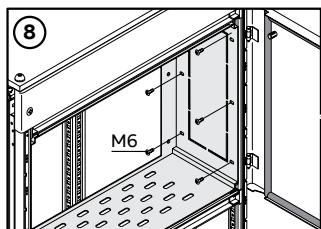
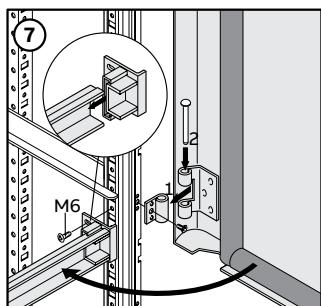
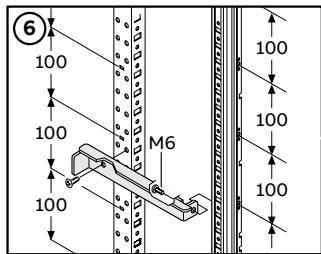
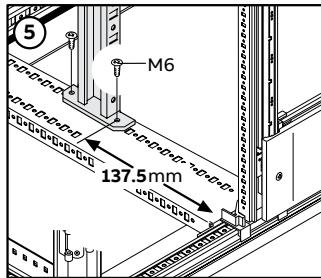


12xM6

EH2061-EH3061K-EH4061K
EH5061K-EH6061K-EH8062K
EH2081K-EH3081K-EH4081K
EH5081K-EH6083K-EH8081K
EH7262K-EH7282K-EH7284K
EH2067K-EH2087K

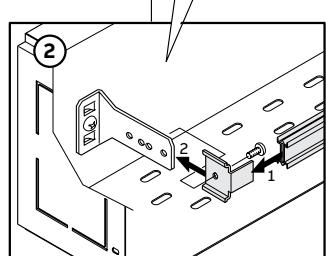
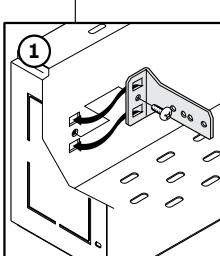
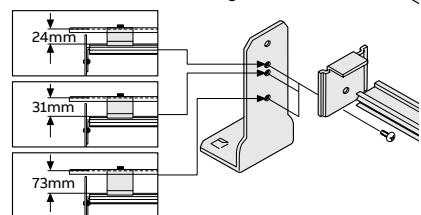
4xM6
1x
2xM6
2x



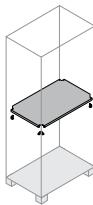


Apparecchi modulari
Modular devices
Equerres rail DIN
Aparatos modulares
Aparelhos modulares

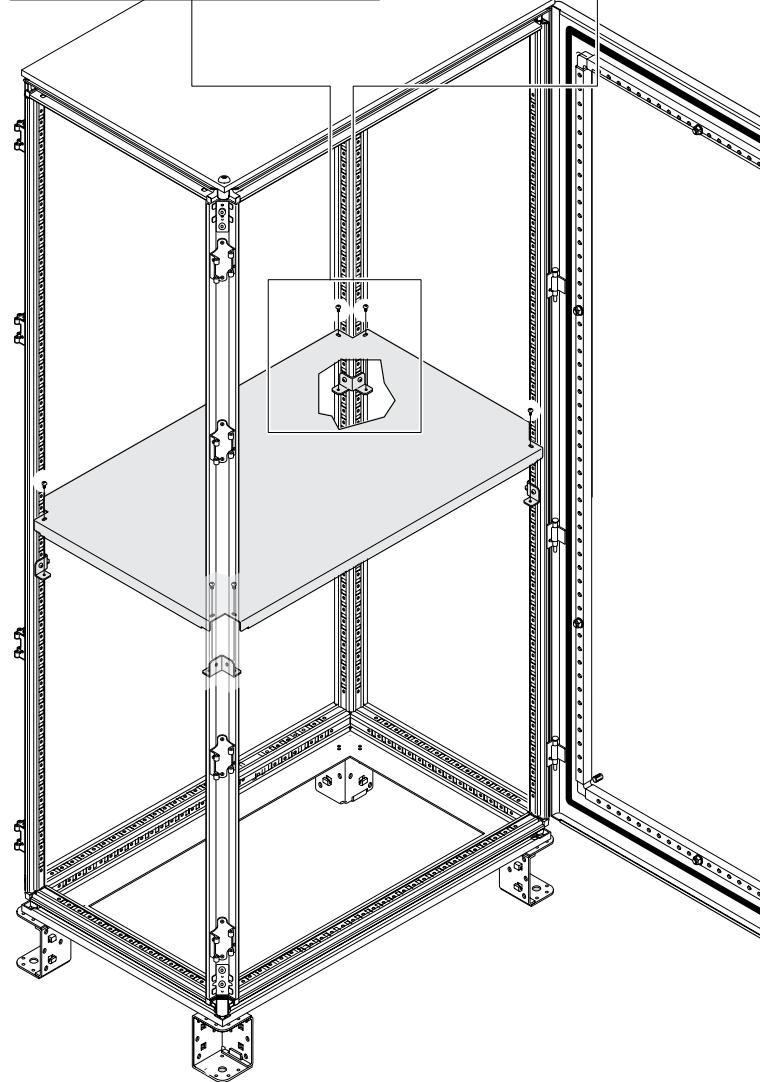
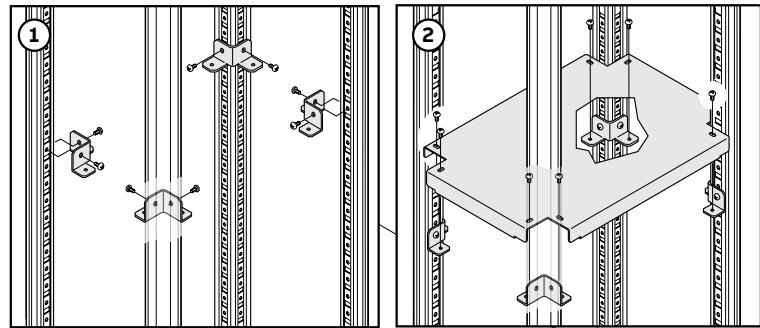
Tmax T1-T2-T3



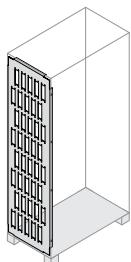
EE4041-EE6041-EE8041
EE1041-EE4051-EE6051
EE8051-EE1051-EE6061
EE8061-EE1061-EE8081
EE1081-EE1011



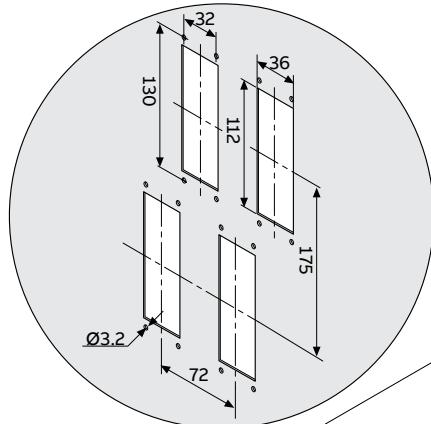
8xM6



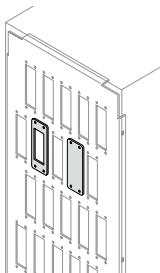
EE1852-EE1862
EE2052-EE2062
EE2252-EE2262



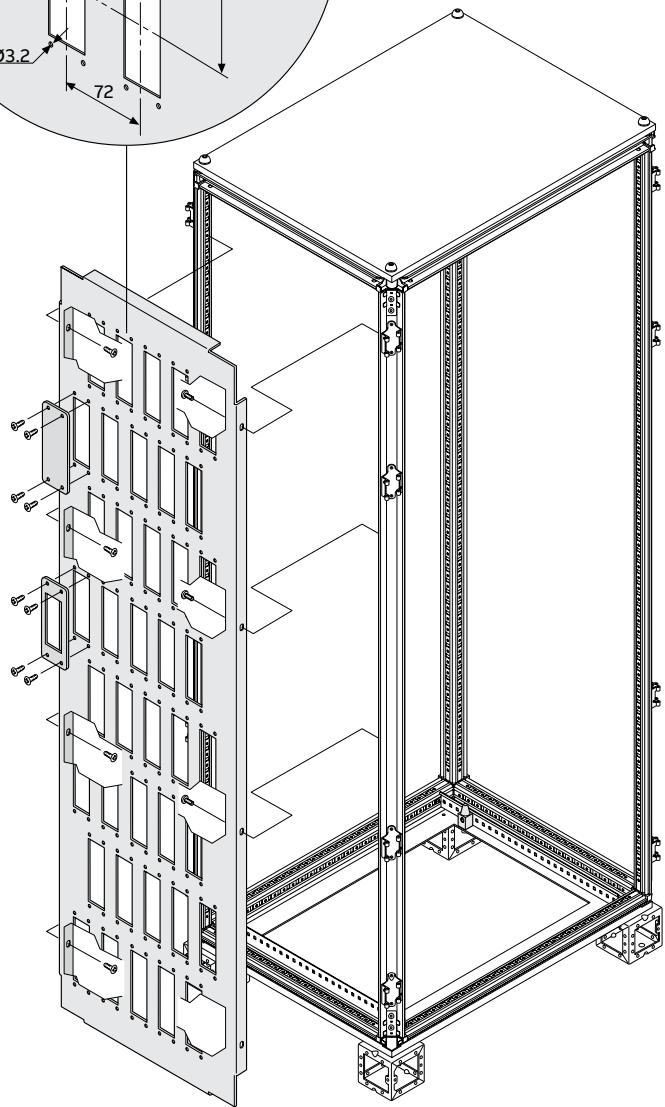
8xM6



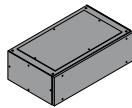
EE0024-EE2416
EE2410-EE2406



4xM6

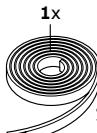
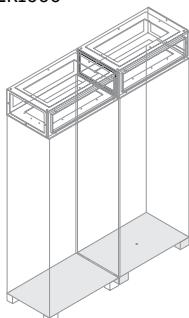


ER4040K-ER6040K-ER8040K
 ER1041K-ER4050K-ER6050K
 ER8050K-ER1050K-ER4060K
 ER6060K-ER8061K-ER1060K
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 ER1080K-ER4011K-ER6010K
 ER8010K-ER1010K

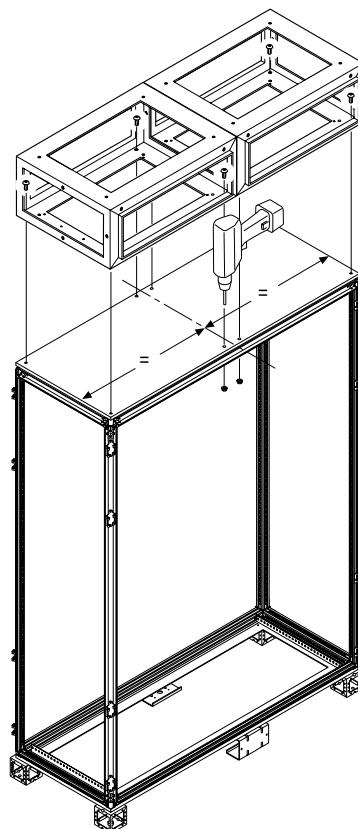
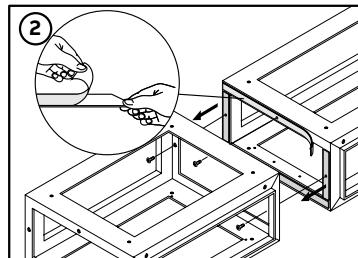
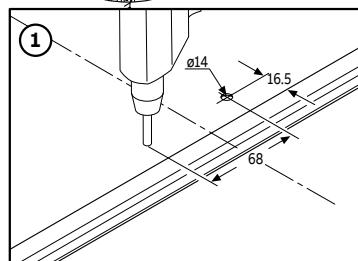
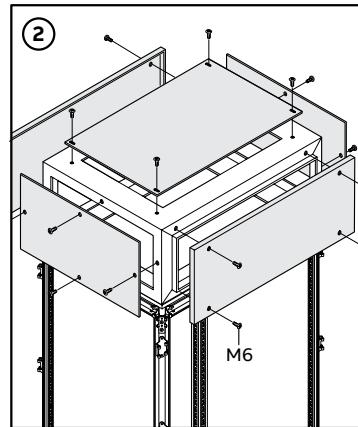
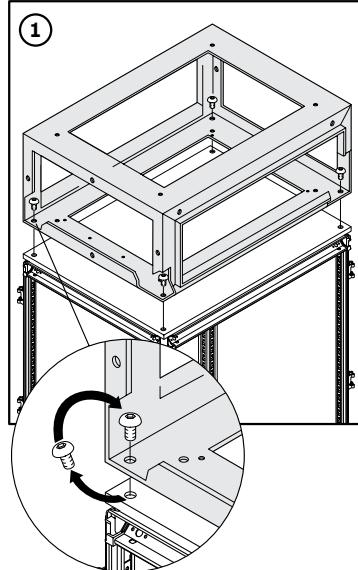


10xM6

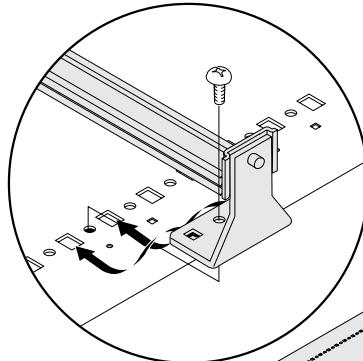
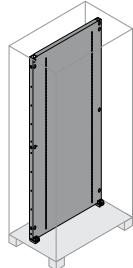
ER1000



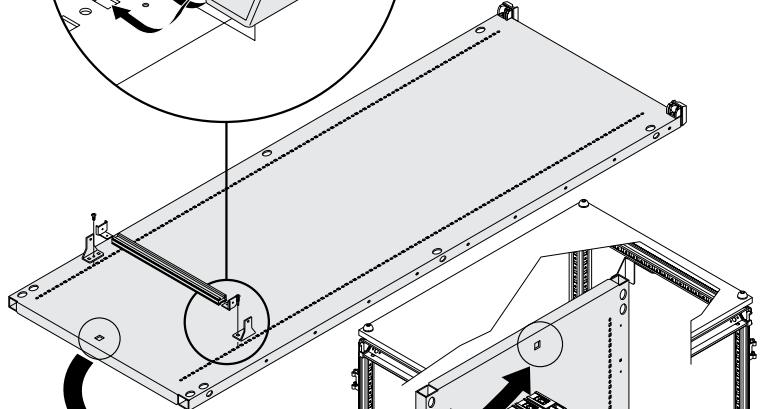
1x
4xM12



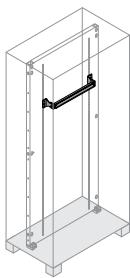
EX1860-EX2060-EX2260
EX1880-EX2080-EX2280



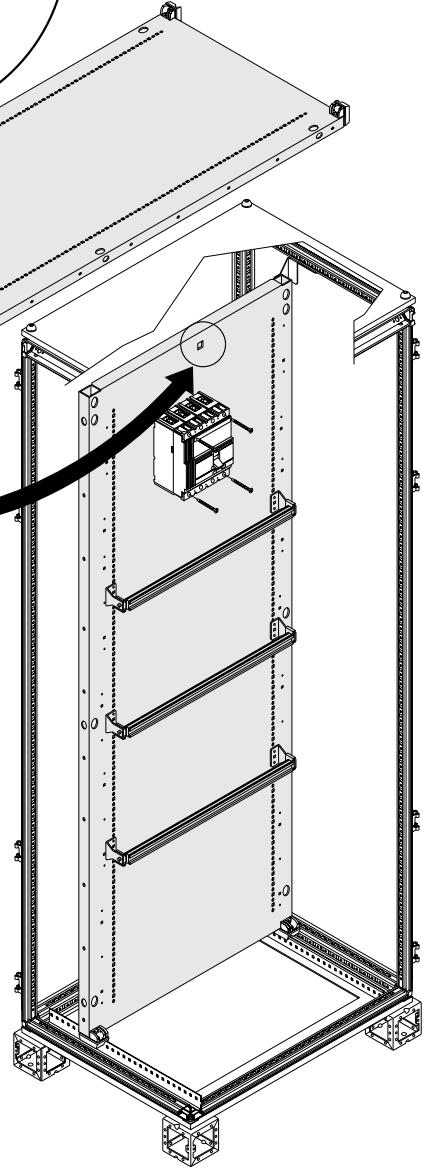
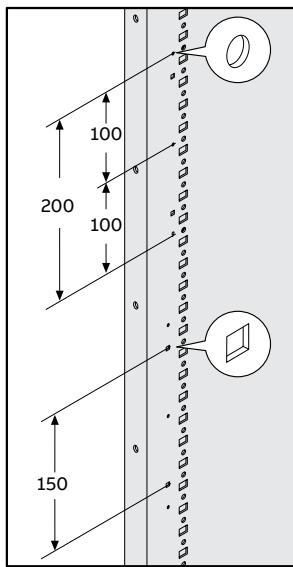
2x
2xM6
2x
4xM6
2x
2xM8



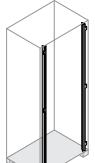
GD1520-GD1530



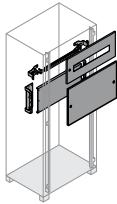
2xM6



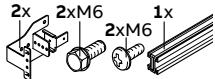
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1STQ005327B0000



6xM6



EH0018-EH0029



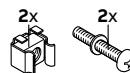
EH0024-EH0036



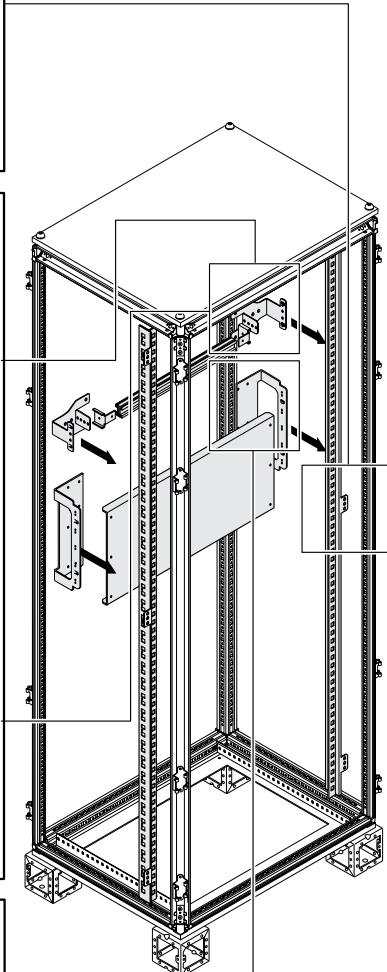
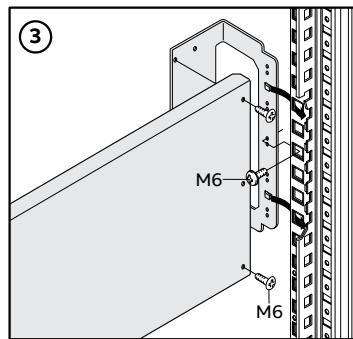
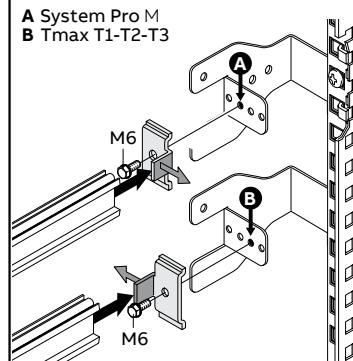
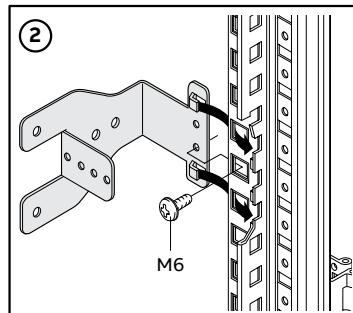
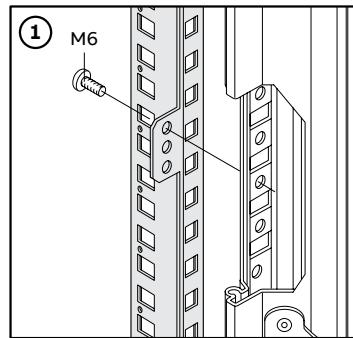
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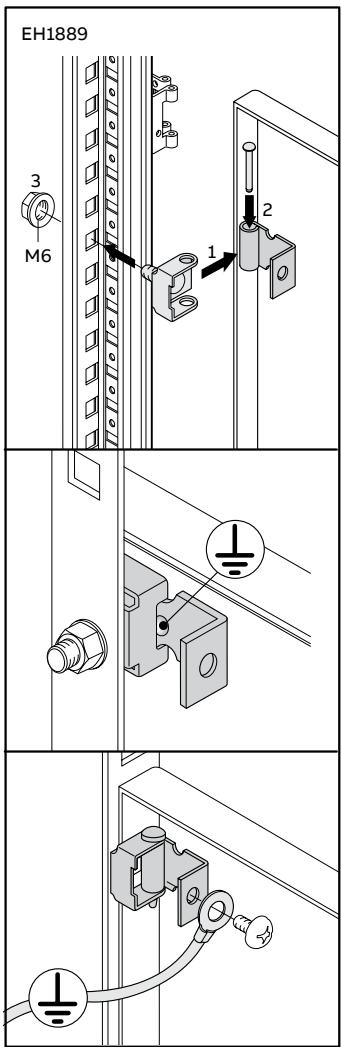
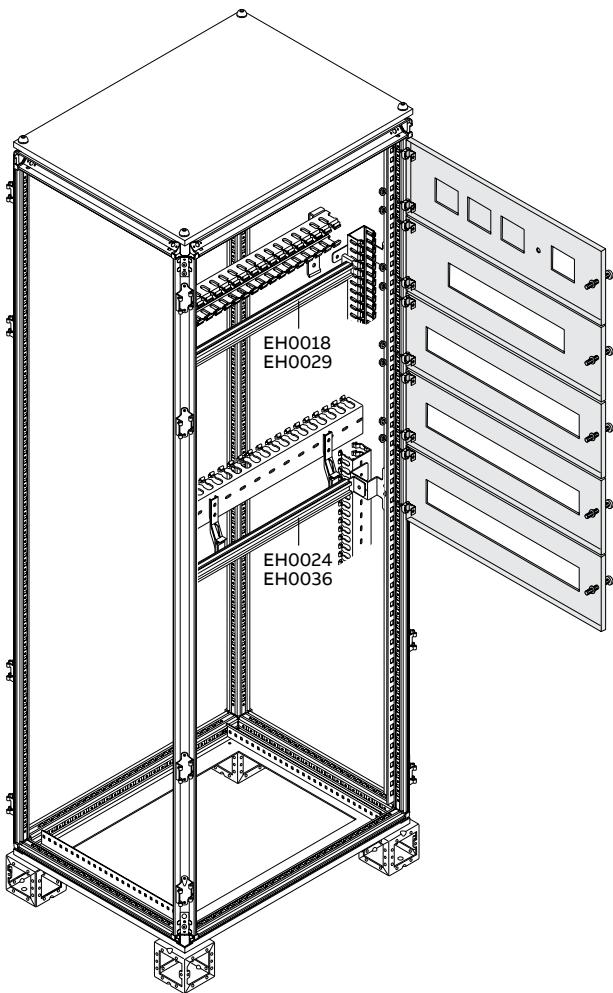
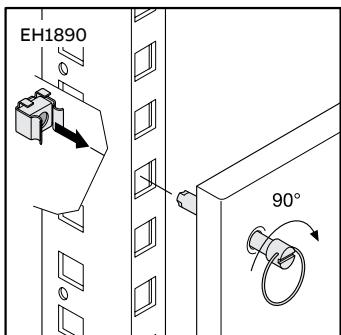
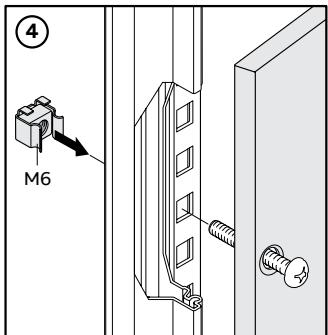


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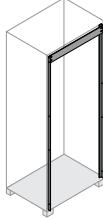


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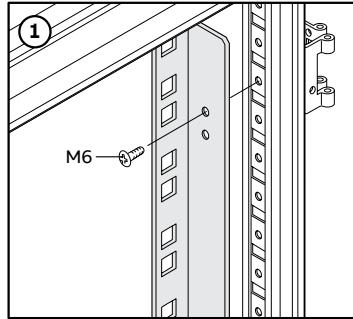




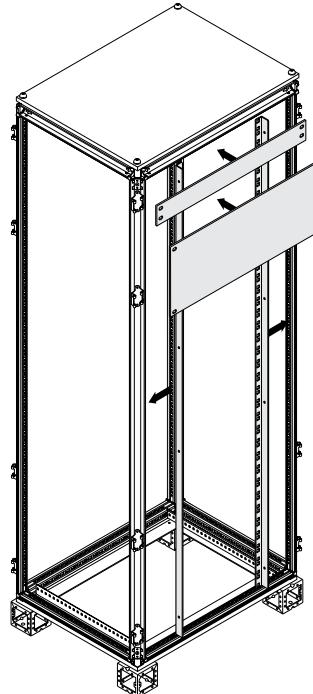
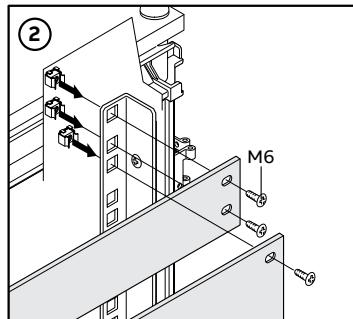
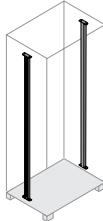
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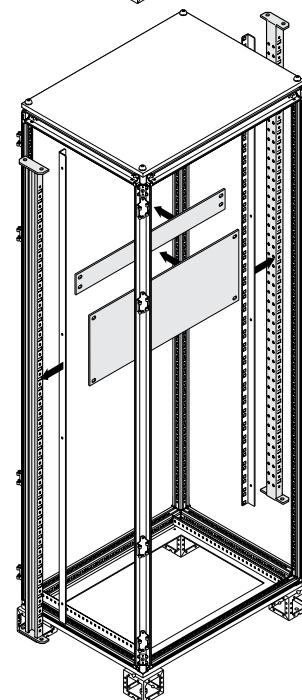
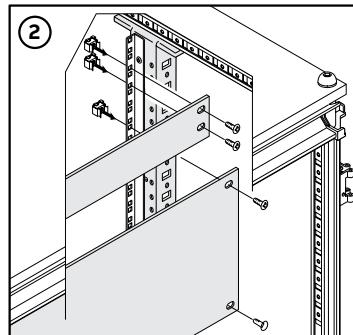
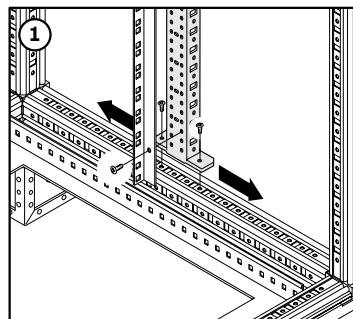
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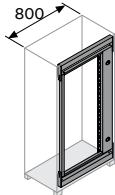
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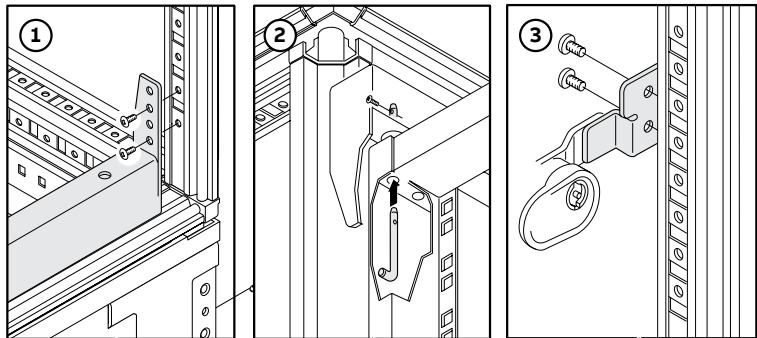


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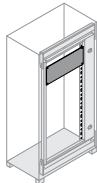


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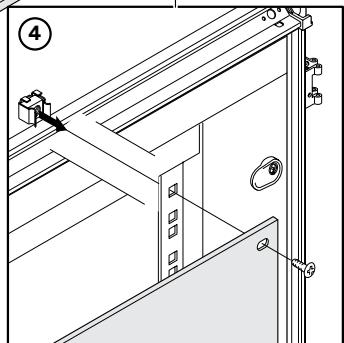
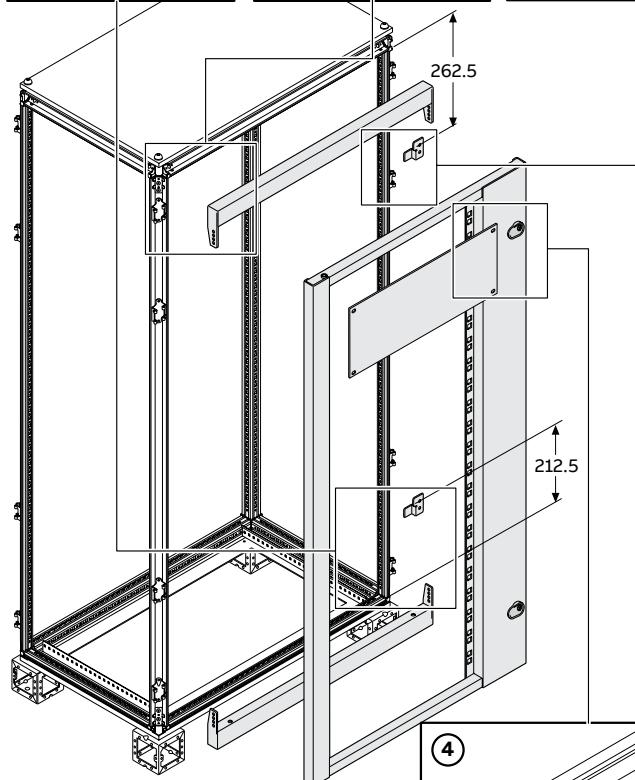
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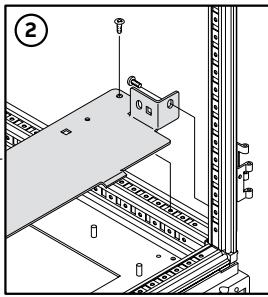
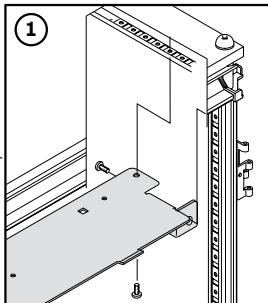
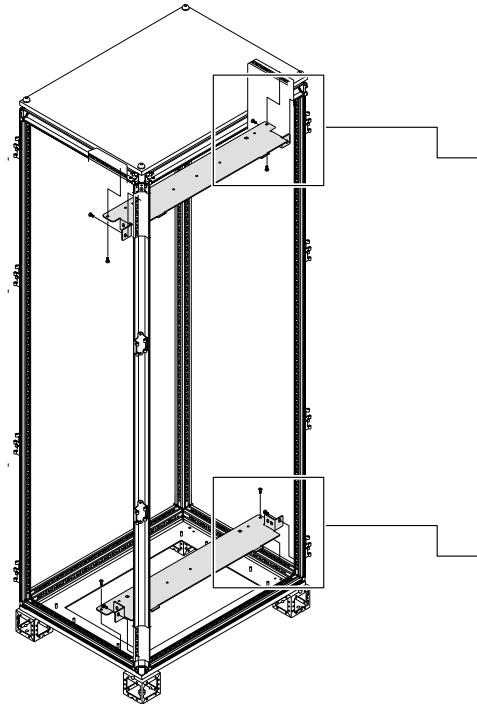
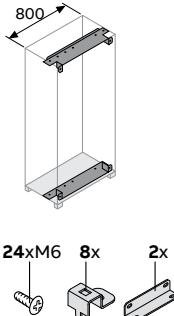
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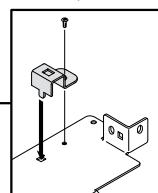
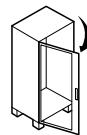
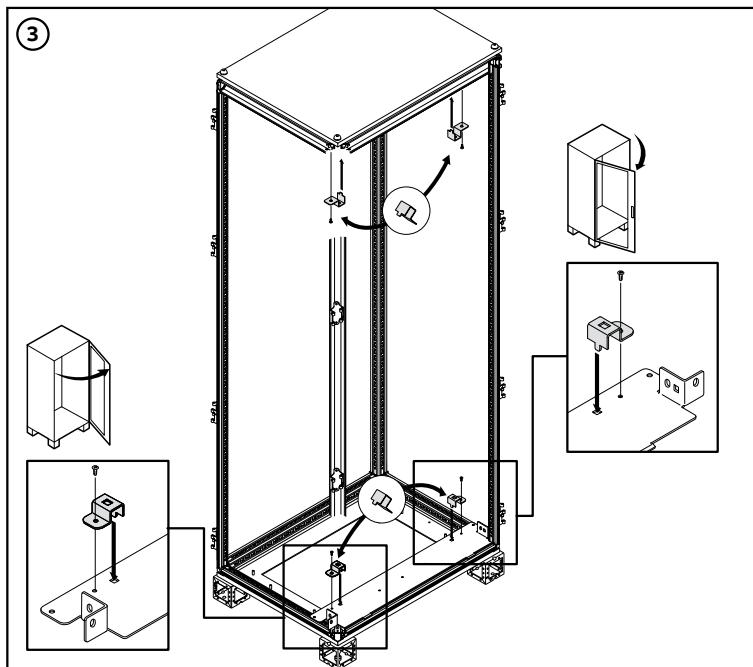
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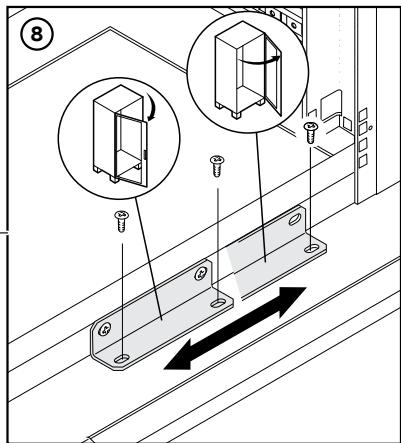
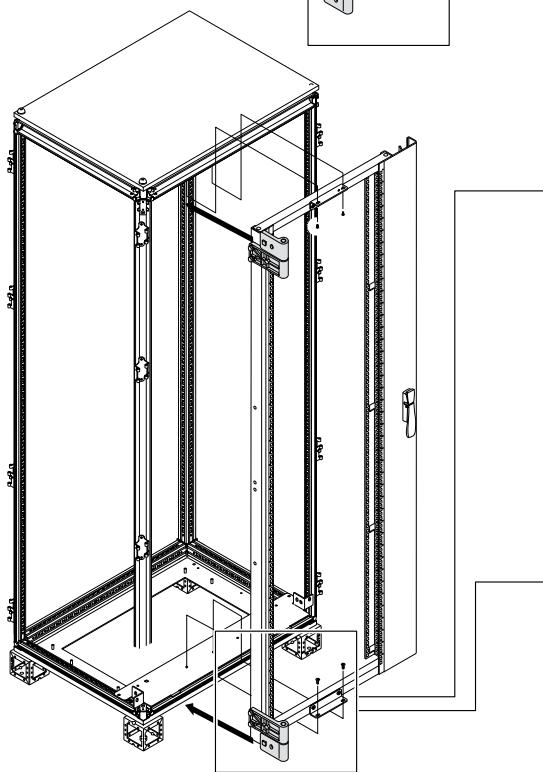
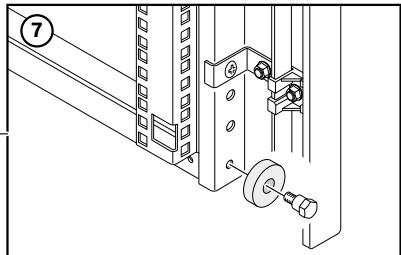
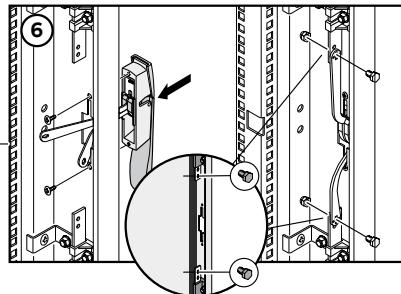
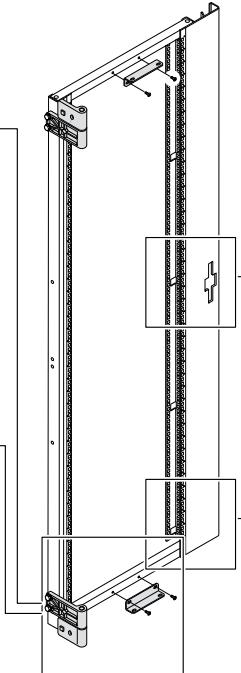
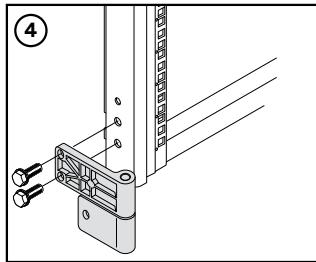


EV0007



10xM6



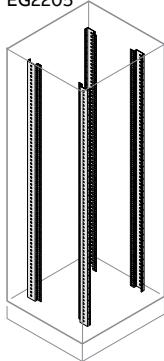


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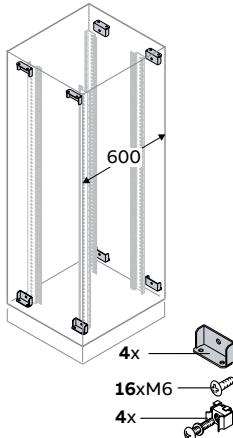
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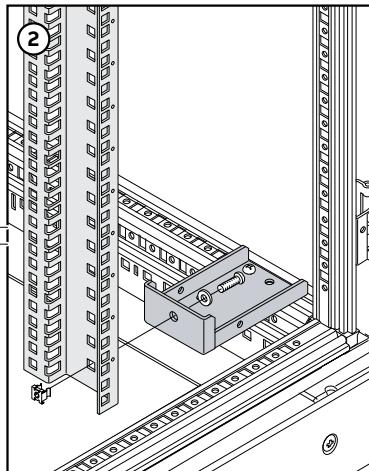
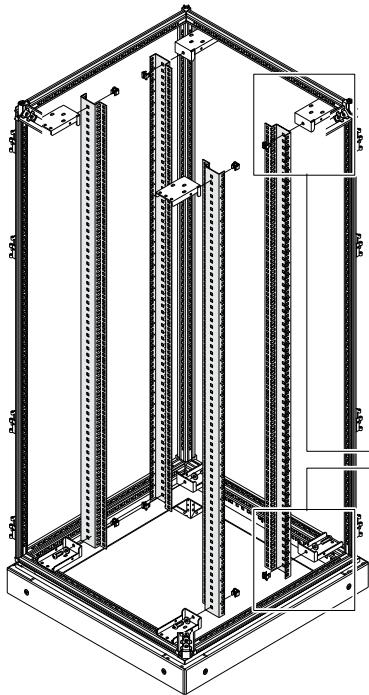
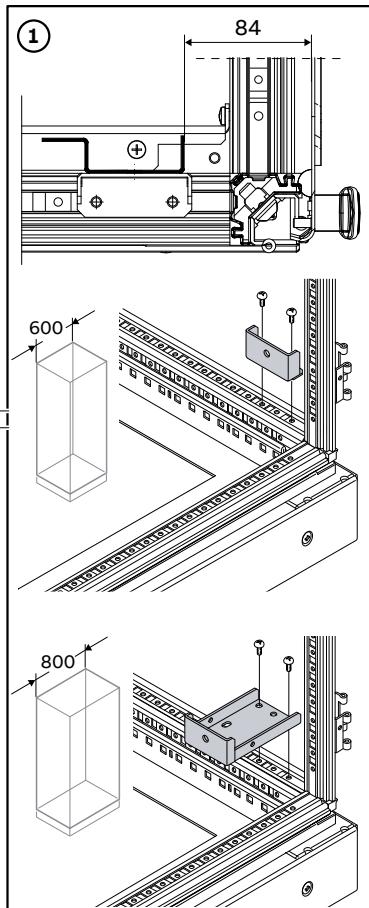
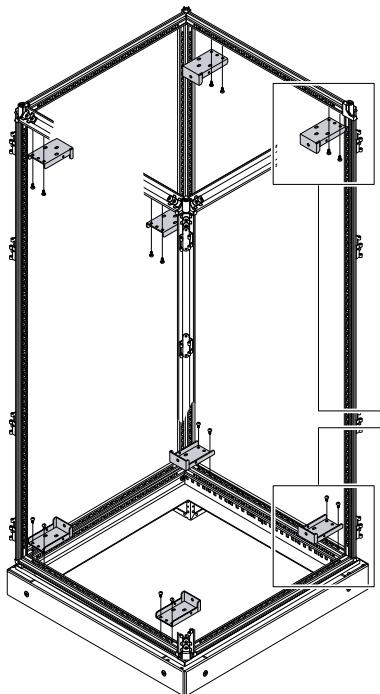
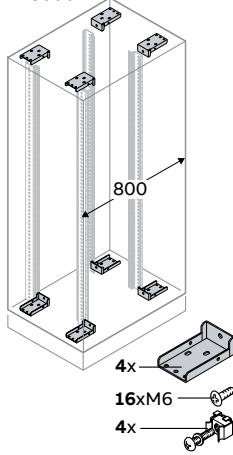
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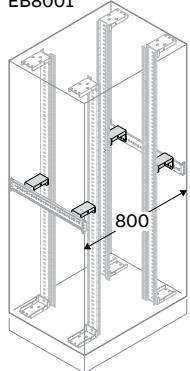
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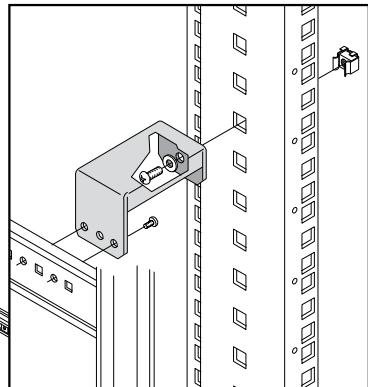
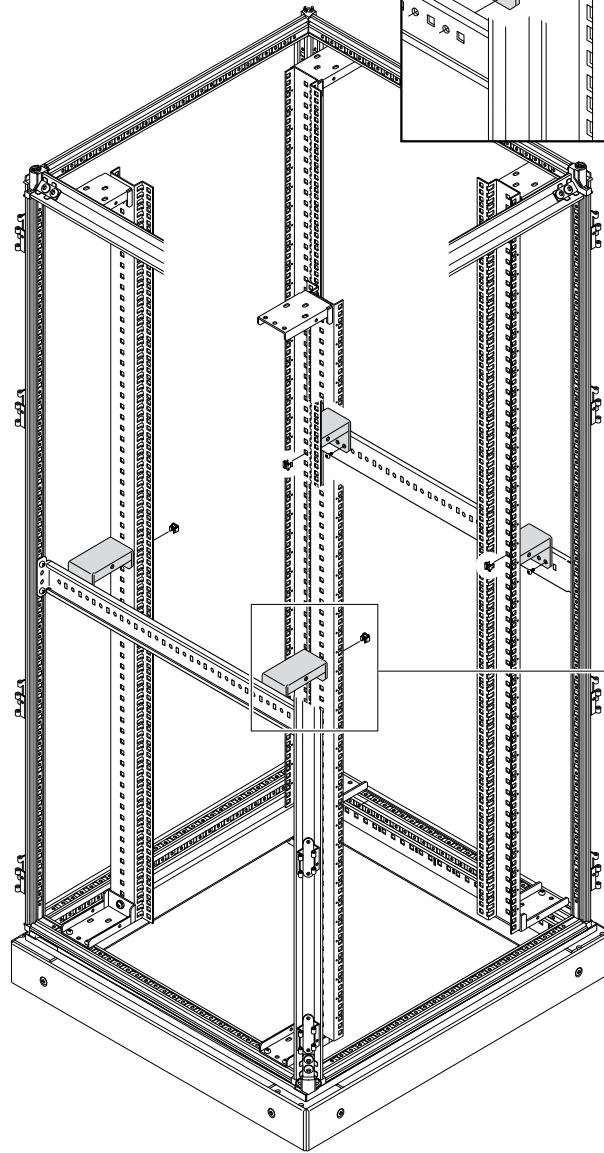
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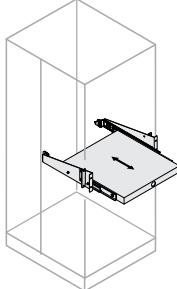
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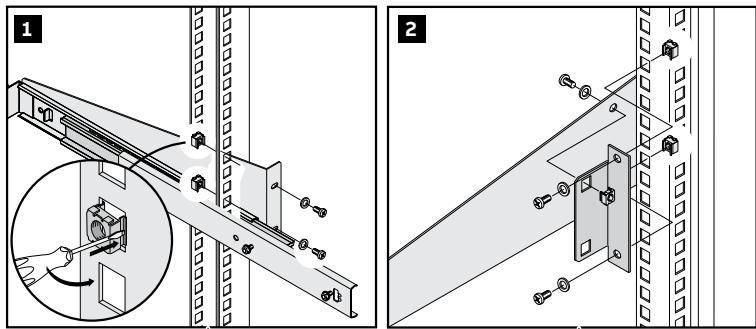
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4x



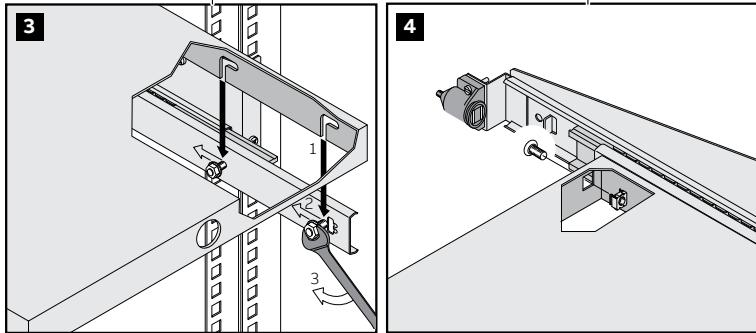
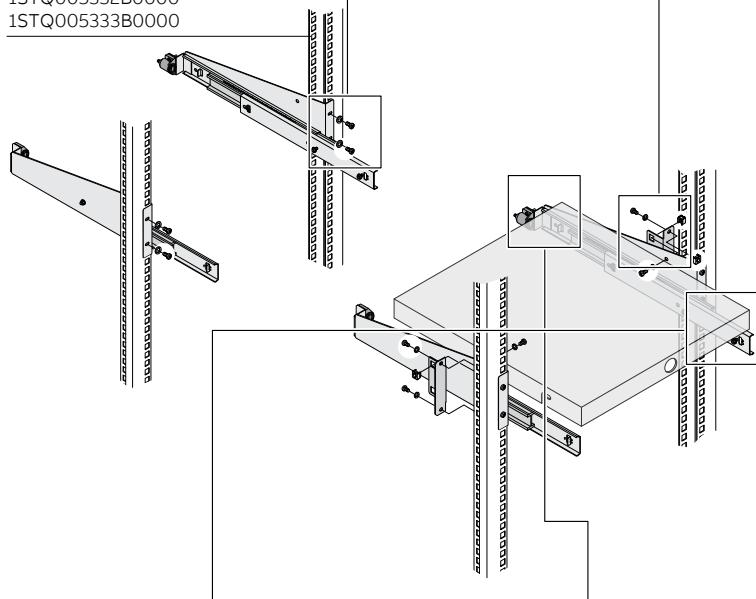
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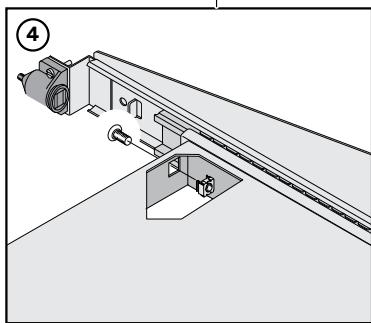
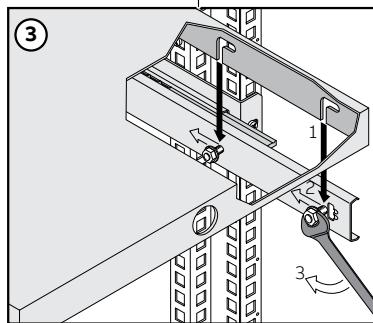
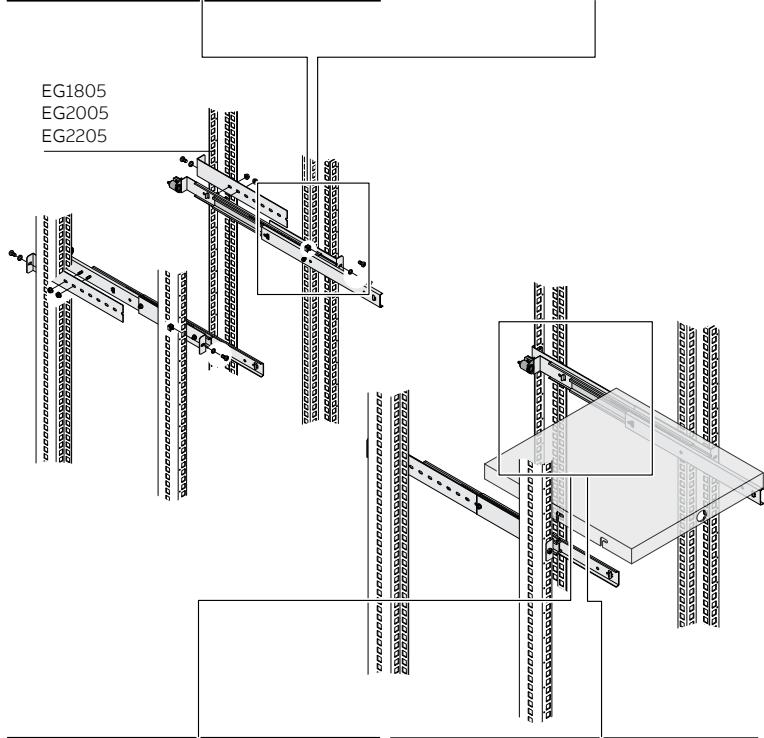
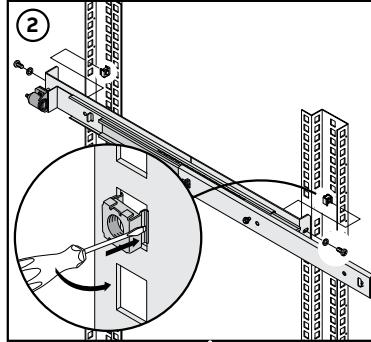
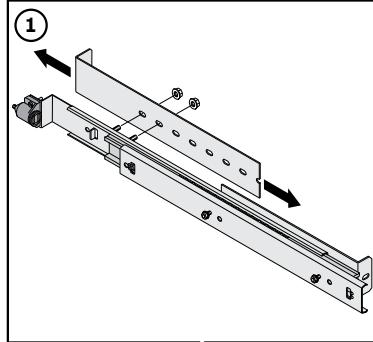
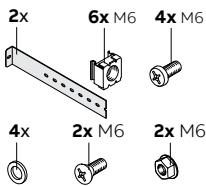
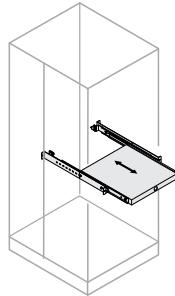
2x 8x M6
 8x 2x M6



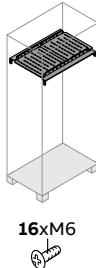
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EV5000



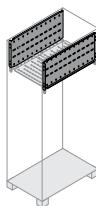
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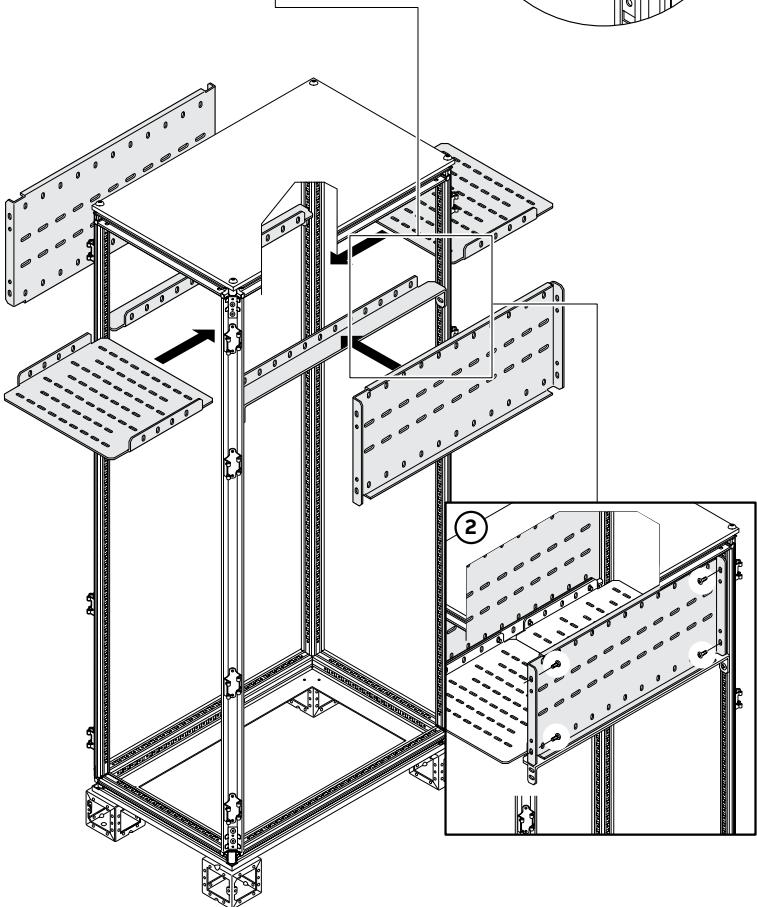
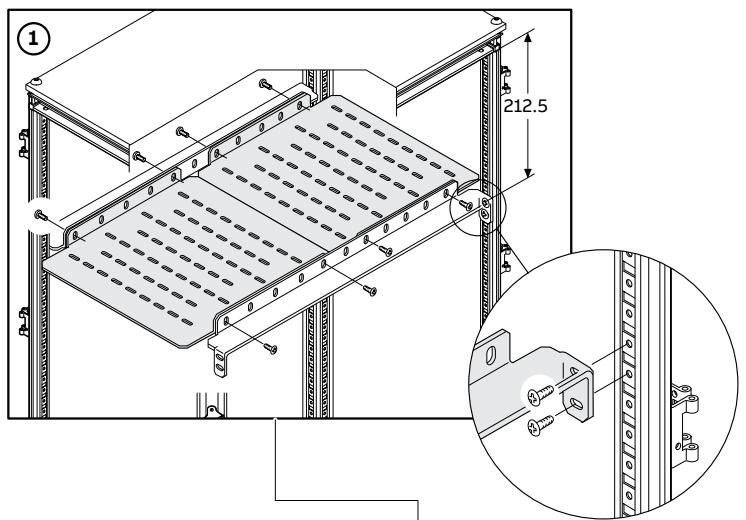
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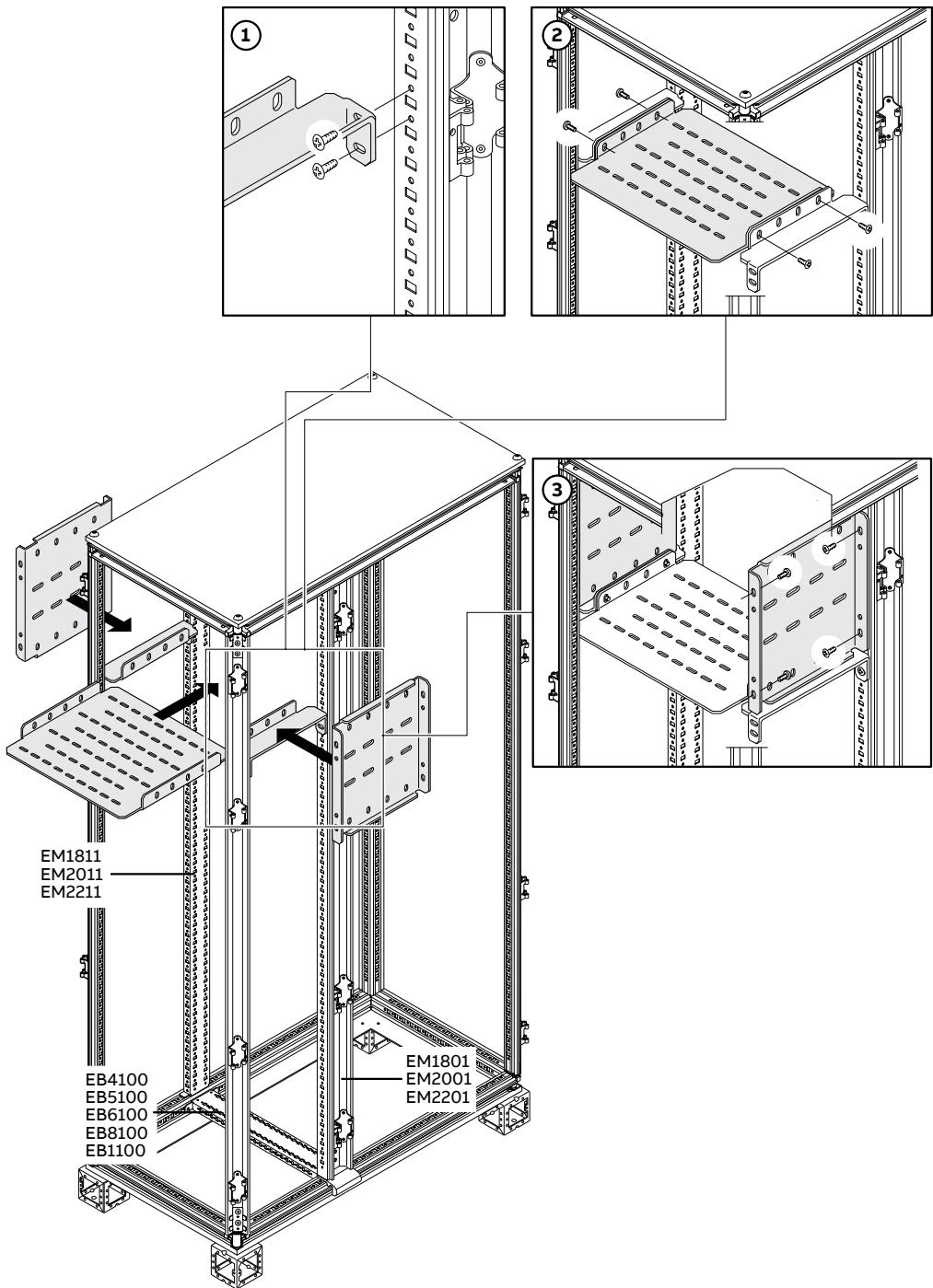


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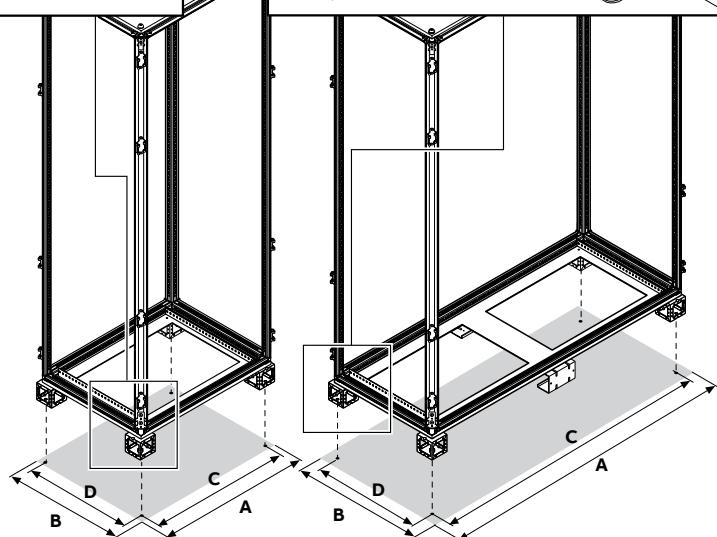
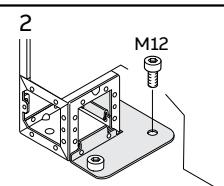
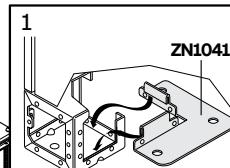
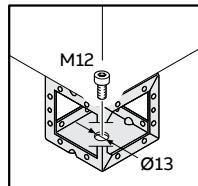
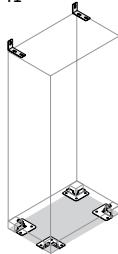


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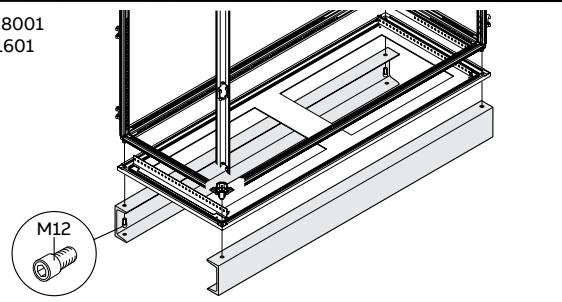


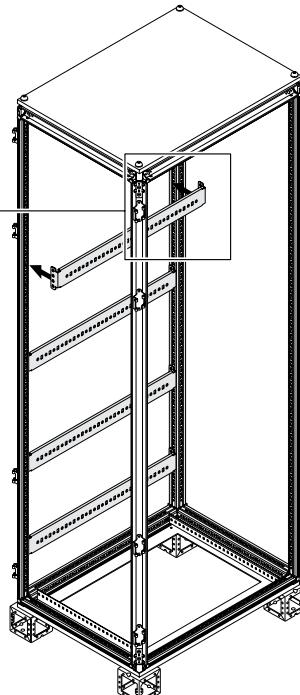
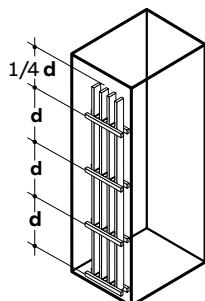
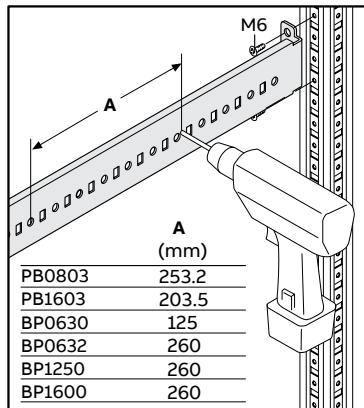
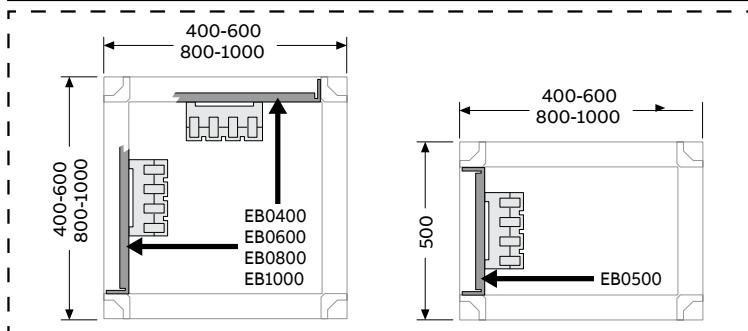
ZN1041



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	994	994	994	994	1194	994	994	994	1194
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EZ4001-EZ6001-EZ8001
EZ1001-EZ1201-EZ1601



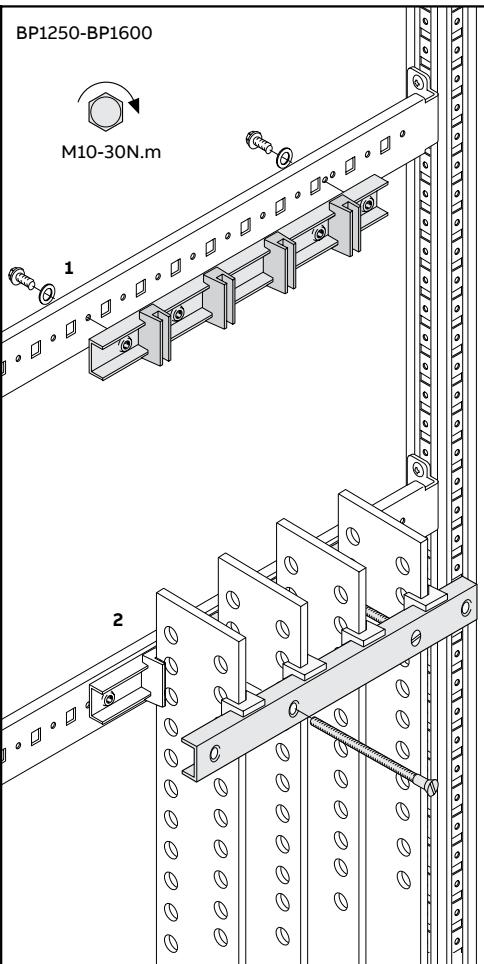


	16 kA d max (mm)	20 kA d max (mm)	23 kA d max (mm)	25 kA d max (mm)	32 kA d max (mm)	35 kA d max (mm)	50 kA d max (mm)	65 kA d max (mm)	
BA0400				4x 550		5x 425			PB0803 PB1603
BA0800				4x 550		5x 425			PB0803 PB1603
BA1250				4x 550		4x 550	6x 350	9x 225	PB0803
BA1600				4x 550		4x 550	6x 350	9x 225	PB1603
BR0250	4x 500	6x 350	10x 200						
BR0400	4x 500	6x 350	10x 200						
BR0630		4x 600	4x 600		9x 210				BP0630
PBFC3205				7x 300		9x 225			
PBFC5005				6x 375		7x 275	9x 225		
PBFC6305				5x 425		7x 300	9x 225		
PBFC1005				4x 500		6x 375	8x 250		
PBFC1005				3x 1000		3x 1000	4x 600	6x 375	BP1600

BP1250-BP1600



M10-30N.m

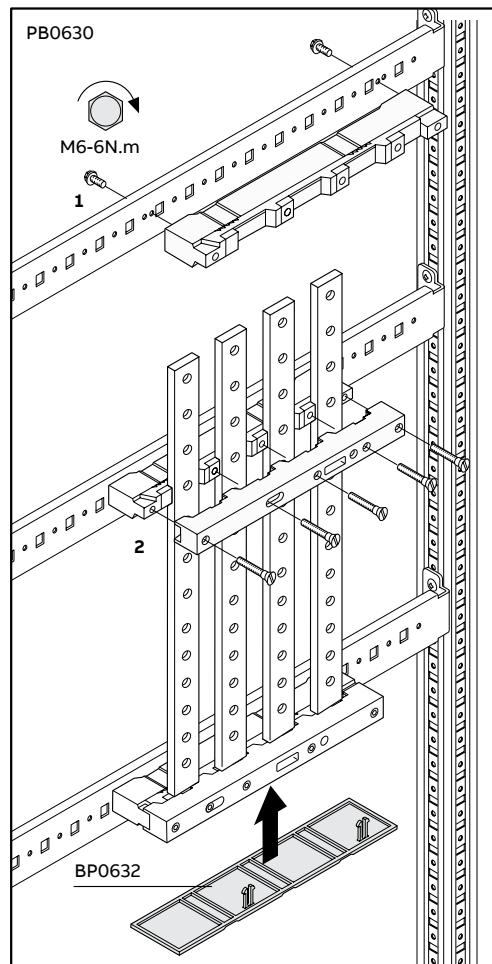


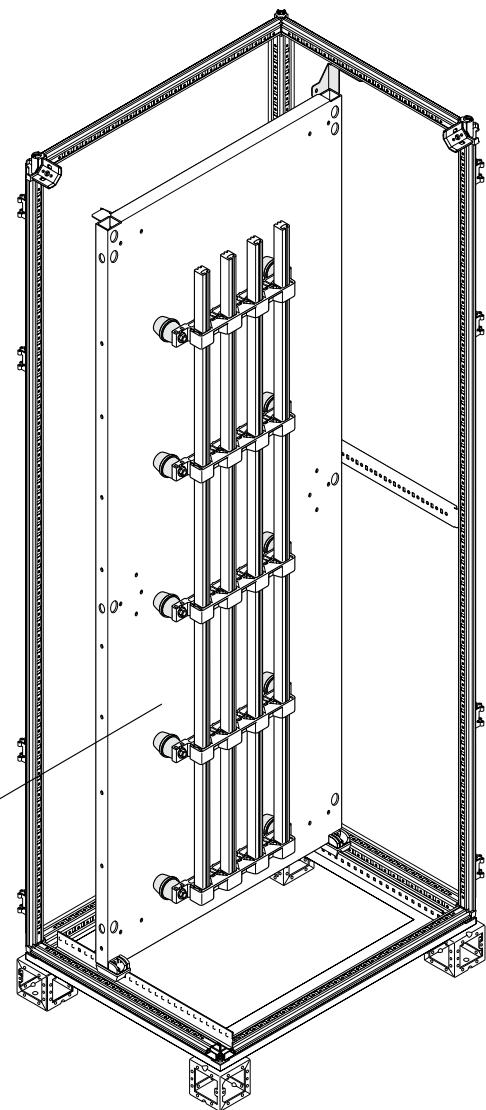
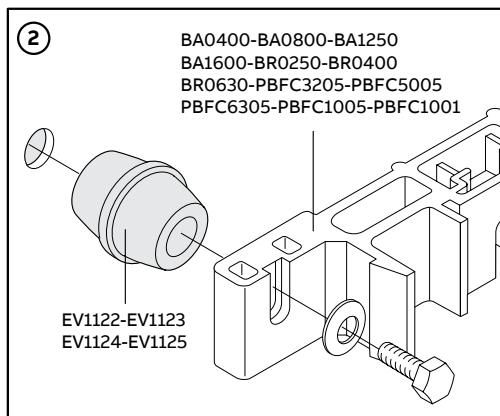
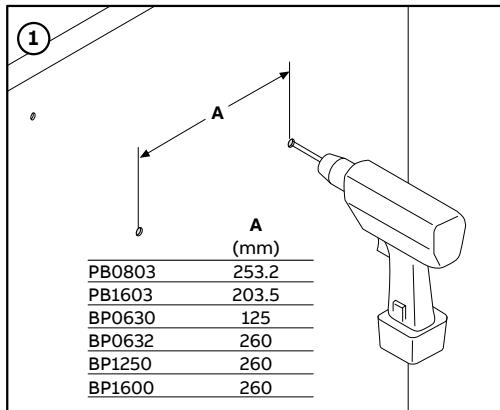
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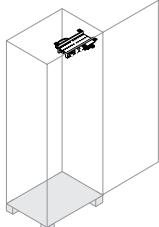
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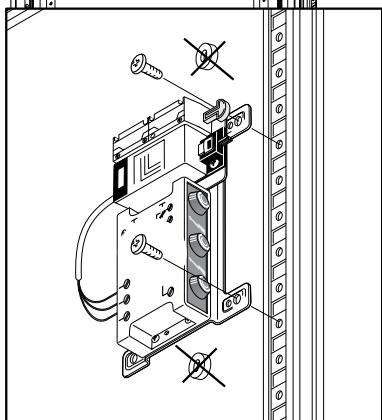
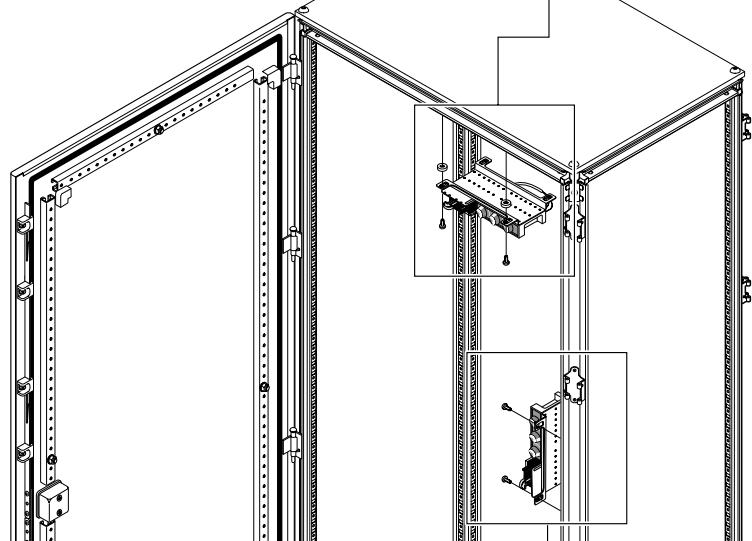
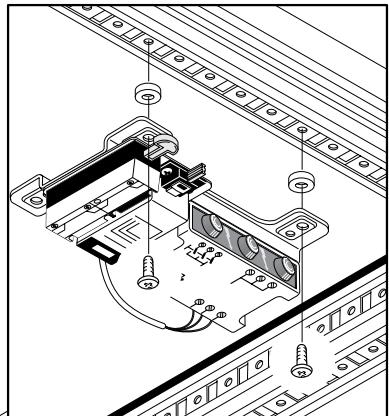


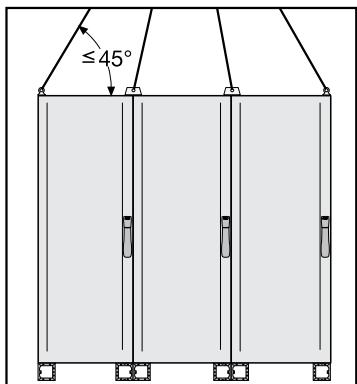
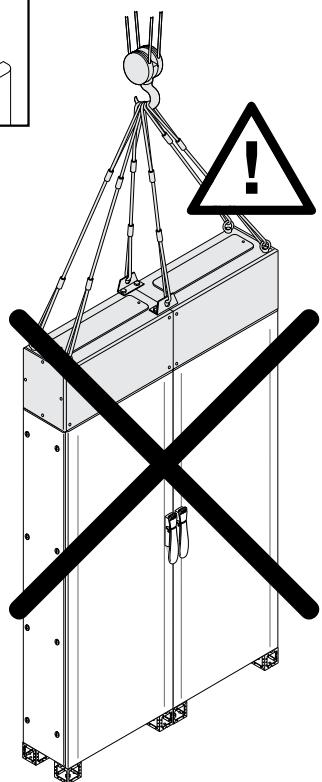
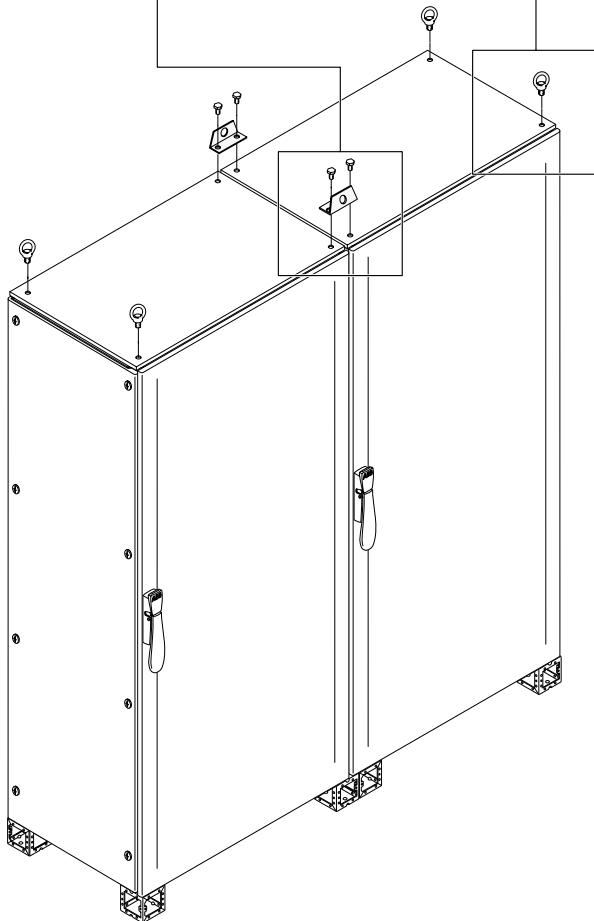
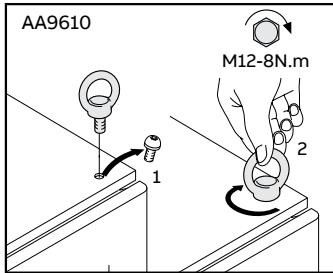
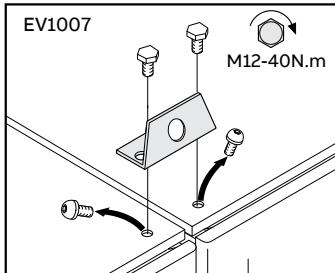
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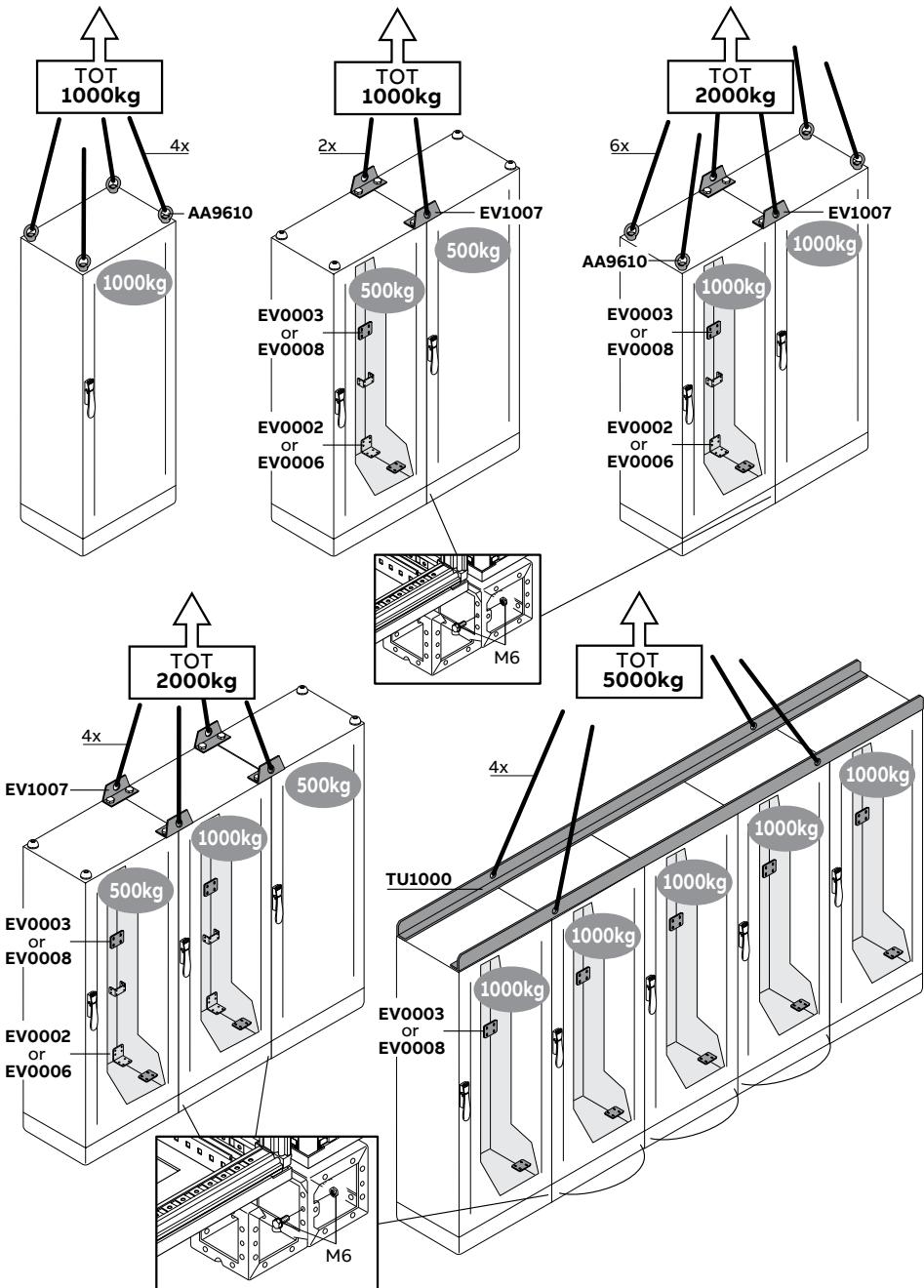


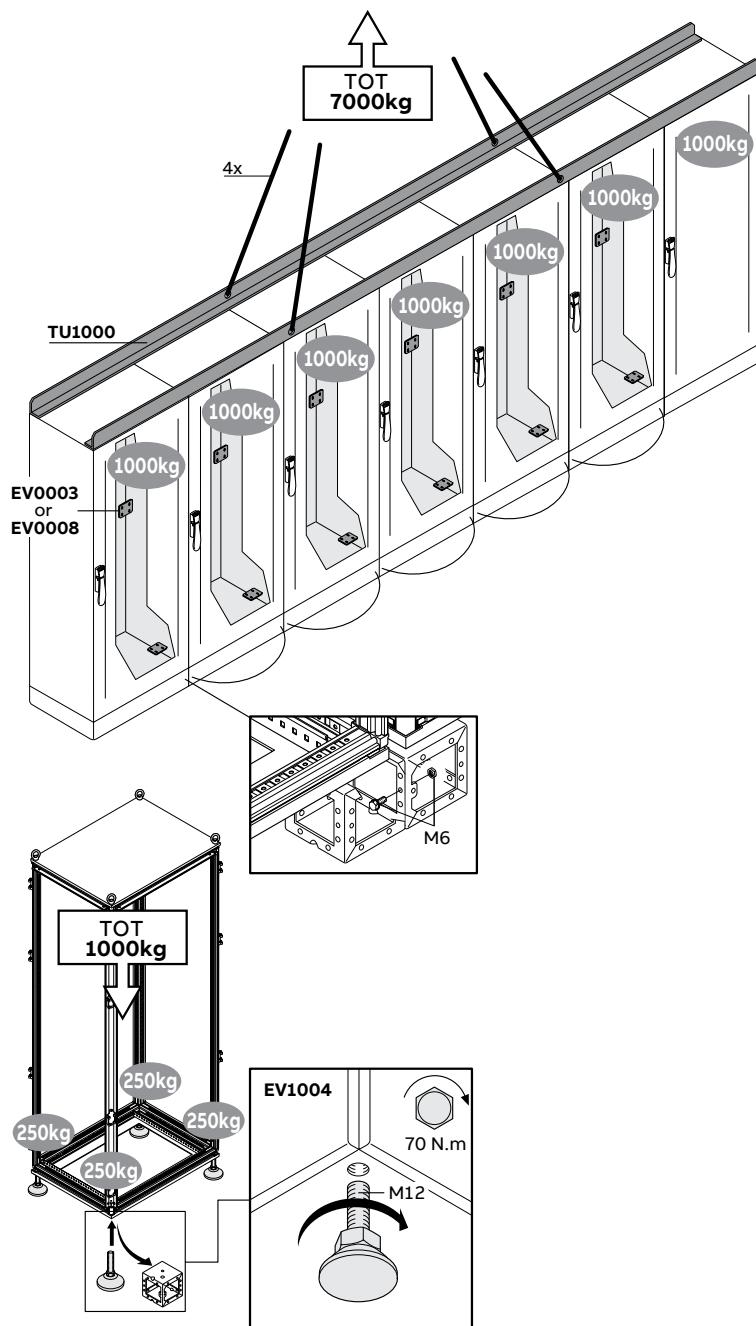
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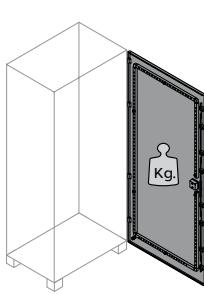
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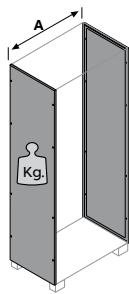






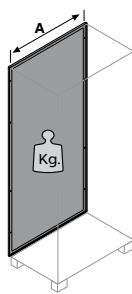
Kg.

50	A (mm)	Kg.
>800	90	
≤800	110	



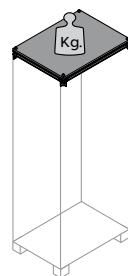
A (mm)

>800	Kg.
≤800	110



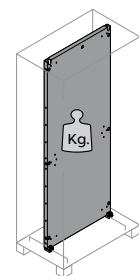
A (mm)

>800	Kg.
≤800	110



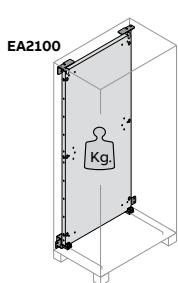
Kg.

40	
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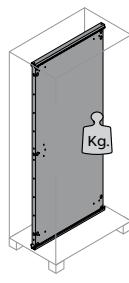
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500	
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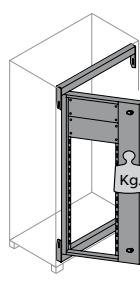
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600	
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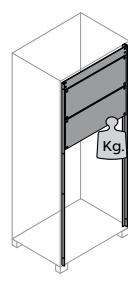
Kg.

500	
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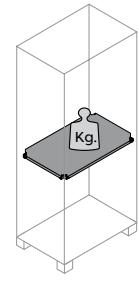
Kg.

90	
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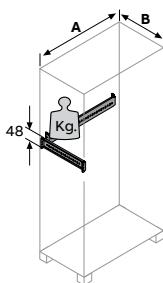
Kg.

90	
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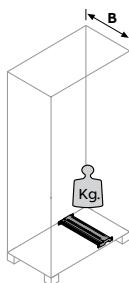
Kg.

120	
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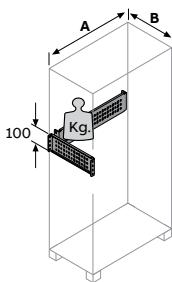
A/B (mm)

EB0400	400	110
EB0500	500	110
EB0600	600	100
EB0800	800	90
EB1000	1000	70
EB1200	1000	50



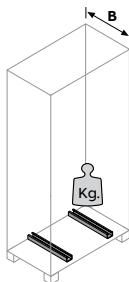
B (mm)

EB4100	400	210
EB5100	500	190
EB6100	600	175
EB8100	800	150
EB1100	1000	130



A/B (mm)

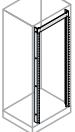
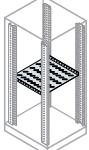
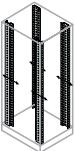
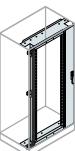
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EB0660	600	210
EB0880	800	185
EB1010	1000	160
EB1020	1000	140



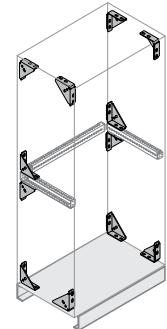
B (mm)

EB6102	600	320
EB8102	800	250
EB1102	1000	200

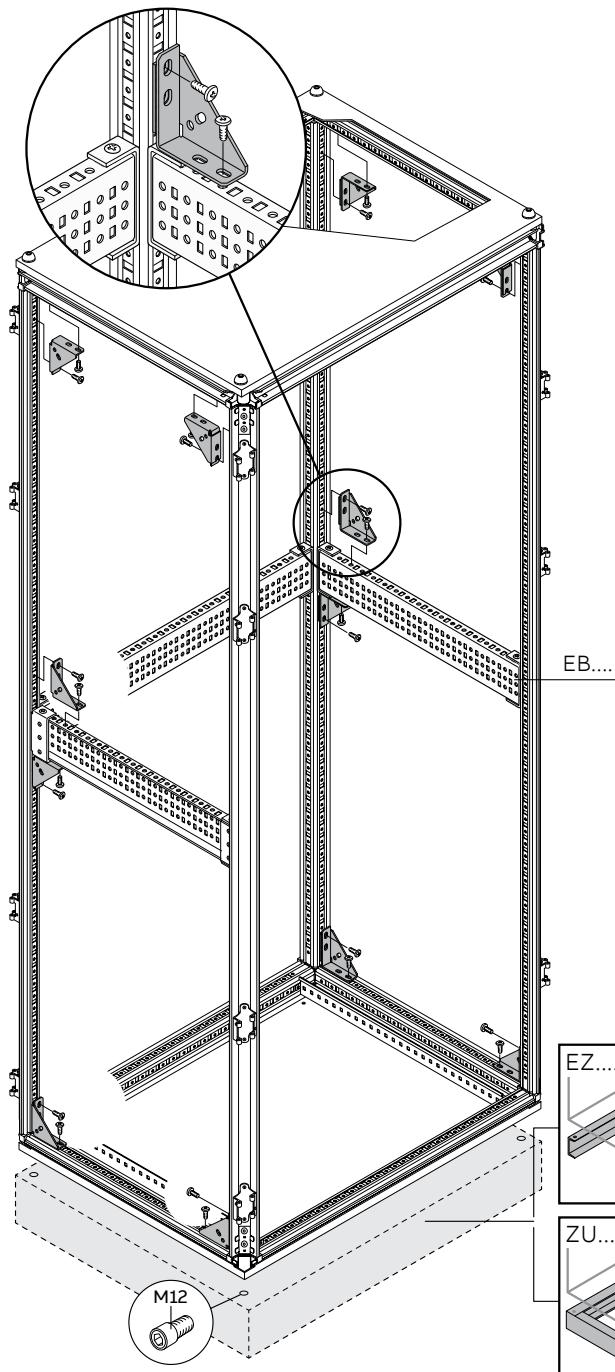
Maximum capacities
(in accordance with the IEC 62208 Standard)

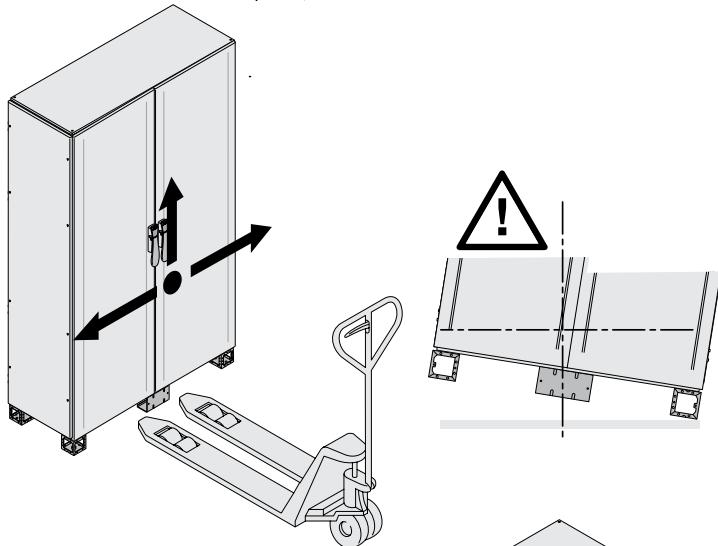
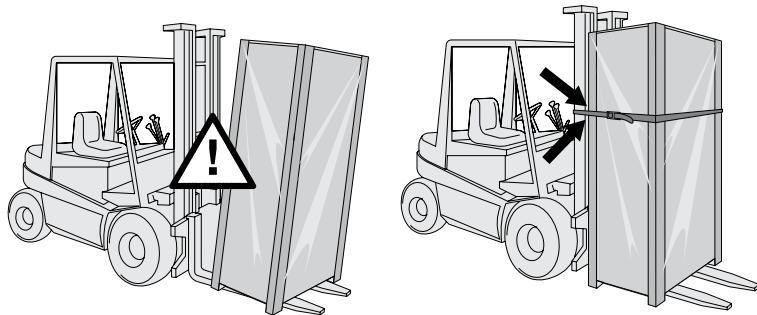
Rack code	CODES	IS2	Rack code	CODES	IS2
Fixed rack frame "L" shaped profile	EG1400 EG1600 EG1800 EG2000 EG2280	90 kg with one frame 250 kg with two frame (the frame can be fixed on the front or rear uprights; for intermediate frame mounting use EM1804, EM2004 or EM2204)	Universal shelves	EV0400 EV0600 EV0800	20 kg
					
Swing rack frame "L" shaped profile	EG2003K	90 kg	Adjustable in depth shelf 1HE	EV0041	80 kg
					
19" cranked shaped uprights	EG2005 EG2205	1000 kg with 4 uprights on shelves 250 kg with 2 uprights	Withdrawable shelves	EV3500 EV5000	40 kg
					
Swing rack frame "C" shaped upright	EG2004K EG1804K EG2204K EV0007	120 kg 160 kg with extra central EV0004 180° hinge	Fixed Shelves for apparatus	EV2385	20 kg
					

AS0001

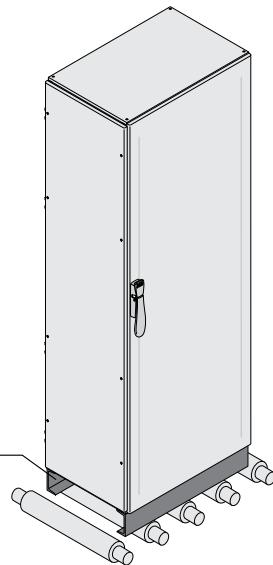


12x 24xM6





EZ4001-EZ6001-EZ8001
EZ1001-EZ1201-EZ1601



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1STQ005324B0000	24	BR0250	63	EA1841	32
1STQ005325B0000	24	BR0250	65	EA1860	32
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AA1570	14	EA1081	30	EA2000	38
AA6120	14	EA1200	31	EA2000	65
AA6140	14	EA1202	38	EA2010	32
AA6141	14	EA1203	38	EA2010	65
AA6160	14	EA1411	32	EA2012	65
AA6180	14	EA1412	32	EA2013	32
AA6190	14	EA1440	32	EA2016	65
AA6200	14	EA1460	32	EA2040	32
AA9610	67	EA1480	32	EA2040	65
AA9610	68	EA1512	31	EA2060	32
AD1058	14	EA1540	31	EA2060	65
AS0001	72	EA1560	31	EA2062	30
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BA1250	63	EA1612	32	EA2100	70
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BA1600	63	EA1619	32	EA2110	31
BA1600	65	EA1640	32	EA2110	65
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EC2280FV8K	13	EE1081	46	EE6041	46
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EC2280VC4K	13	EE1841	27	EE8041	46
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EC2284	13	EE1860K	22	EE8081	46
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ED1810SK	16	EE1880K	22	EF1012	41
ED1812SK	16	EE1881	27	EF1040	41
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ED2002SK	16	EE1908K	22	EF1042	41
ED2004SK	16	EE1910K	22	EF1051	41
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EH6060	42	EK8050KN	12	EM2002	42
EH6060	44	EK8060KN	12	EM2003	15
EH6061K	42	EK8080KN	12	EM2003	44
EH6061K	44	EL1440K	24	EM2004	52
EH6062K	50	EL1460K	24	EM2005	20
EH6080	42	EL1480K	24	EM2011	15
EH6080	44	EL1610K	24	EM2200	12
EH6082K	50	EL1650K	24	EM2202	42
EH6082K	50	EL1660K	24	EM2203	15
EH6083K	42	EL1680K	24	EM2203	44
EH6083K	44	EL1810K	24	EM2204	52
EH7262K	42	EL1811K	24	EM2205	20
EH7262K	44	EL1840K	24	EM2211	15
EH7282K	42	EL1841K	24	EP1412K	24
EH7282K	44	EL1850K	24	EP1440K	24
EH7284K	42	EL1851K	24	EP1460K	24
EH7284K	44	EL1860K	24	EP1480K	24
EH8010K	44	EL1861K	24	EP1610K	24
EH8060	42	EL1880K	24	EP1612K	24
EH8060	44	EL1881K	24	EP1811K	24
EH8062K	42	EL2011K	24	EP1812K	24
EH8062K	44	EL2012K	24	EP1840K	24
EH8080	42	EL2040K	24	EP1860K	24
EH8080	44	EL2041K	24	EP1880K	24
EH8081K	42	EL2050K	24	EP2010K	24
EH8081K	44	EL2051K	24	EP2012K	24
EK1010KN	12	EL2060K	24	EP2041K	24
EK1040KN	12	EL2061K	24	EP2060K	24
EK1050KN	12	EL2080K	24	EP2080K	24
EK1060KN	12	EL2081K	24	EP2210K	24
EK1080KN	12	EL2210K	24	EP2212K	24
EK1240KN	12	EL2211K	24	EP2240K	24
EK1250KN	12	EL2240K	24	EP2260K	24
EK1260KN	12	EL2241K	24	EP2280K	24
EK1280KN	12	EL2250K	24	ER1000	48
EK3040KN	12				

CODE	PAG.	CODE	PAG.	CODE	PAG.
ER1010K	48	EV1004	69	PB0630	64
ER1041K	48	EV1007	67	PB0803	63
ER1050K	48	EV1007	68	PB0803	63
ER1060K	48	EV1030	14	PB0803	63
ER1080K	48	EV1122	65	PB0803	63
ER4011K	48	EV1123	65	PB0803	65
ER4040K	48	EV1124	65	PB1603	63
ER4050K	48	EV1125	65	PB1603	63
ER4060K	48	EV1147	66	PB1603	63
ER4080K	48	EV1148	66	PB1603	63
ER6010K	48	EV1160	21	PB1603	65
ER6040K	48	EV2385	71	PBFC1001	65
ER6050K	48	EV3500	58	PBFC1005	63
ER6060K	48	EV3500	71	PBFC1005	63
ER6080K	48	EV5000	59	PBFC1005	65
ER8010K	48	EV5000	71	PBFC3205	63
ER8040K	48	EX1860	32	PBFC3205	65
ER8050K	48	EX1860	49	PBFC5005	63
ER8061K	48	EX1880	32	PBFC5005	65
ER8080K	48	EX1880	49	PBFC6305	63
ET1810K	13	EX2060	32	PBFC6305	65
ET1860K	13	EX2060	49	PIRH0405	14
ET1880K	13	EX2080	32	PIRH0455	14
ET2010K	13	EX2080	49	PIRH1242	14
ET2060K	13	EX2260	32	PIRH2432	14
ET2080K	13	EX2260	49	TU1000	69
ET2211K	13	EX2280	32	ZN0006	28
ET2260K	13	EX2280	49	ZN0008	28
ET2280K	13	EZ1001	29	ZN0010	28
EV0002	25	EZ1001	62	ZN1000	28
EV0002	26	EZ1001	73	ZN1001	28
EV0002	68	EZ1201	29	ZN1002	28
EV0003	25	EZ1201	62	ZN1010	28
EV0003	68	EZ1201	73	ZN1020	28
EV0003	69	EZ1601	29	ZN1040	28
EV0005	19	EZ1601	62	ZN1041	29
EV0006	25	EZ1601	73	ZN1200	28
EV0006	26	EZ4001	29	ZN3000	28
EV0007	54	EZ4001	62	ZN4000	28
EV0007	71	EZ4001	73	ZN4001	28
EV0008	26	EZ6001	29	ZN4002	28
EV0008	68	EZ6001	62	ZN5000	28
EV0008	69	EZ6001	73	ZN5001	28
EV0041	71	EZ8001	29	ZN5002	28
EV0118	17	EZ8001	62	ZN6000	28
EV0120	17	EZ8001	73	ZN6001	28
EV0122	17	GD1520	32	ZN6002	28
EV0400	71	GD1520	49	ZN8000	28
EV0600	71	GD1530	32	ZN8001	28
EV0800	71	GD1530	49	ZN8002	28

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