

BS 30 Solar

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Aluminium**

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A



Reynaers
Aluminium

Algemene informatie

Généralités

General Information

Allgemeine Information

	Profiel Profilé Profile Profil	Perfil Profil Profil		Verstek Onglet Mitre Gehrung	Inglete Polaczenie katowe Taglio
	Anodisatie- of lakoppervlakte Surface anodisée ou laquée Anodizing or coating surface Eloxierte oder lackierte Oberfläche	Superficie anodizada o lacada Powierzchnia anodowana lub malowana Superficie anodizzata o verniciata		Aantal Nombre Number Anzahl	Número Ilość Numero
	Polijstopervlakte Surface à polir Polishing surface Polieroberfläche	Superficie pulida Powierzchnia polerowana Superficie lucidata		Zie pagina Voir page See page Siehe Seite	Ver página Patrz stronę Vedi pagina
	Lengte Longueur Length Länge	Longitud Długość Lunghezza		Type toebehoren Type accessoires Type accessories Typ Zubehör	Tipos de accesorios Rodzaj okuc Tipo di accessorio
	Afmetingen Dimensions Dimensions Abmessungen	Dimensiones Wymiary Dimensioni		Glasmaten Dimensions vitres Glass sizes Glasmasse	Dimensiones de los vidrios Wymiary szyby Dimensioni del vetro
	Toepassing Application Application Anwendung	Aplicación Zastosowanie Utilizzo		Toepassing Application Utilization Anwendung	Aplicación Zastosowanie Riferimenti
	Bevestigingsmiddelen Moyens de fixation Fixations Befestigungsmittel	Fijación Mocowanie Fissaggio		Asymmetrisch profiel Profilé asymétrique Asymmetrical profile Asymmetrisches Profil	Perfil asimétrico Profil niesymetryczny Profilo asimmetrico
	Schroeven niet meegeleverd Fourniture sans vis Delivered without screws Lieferung ohne Schrauben	Entregado sin tornillos Dostarczane bez wkrętów Consegnato senza viti		Pagina Page Page Seite	Página Strona Pagina
	Montagevolgorde Ordre de montage The order of assembly Montagerihenfolge	Orden de montaje Kolejność montażu Ordine di montaggio		Laatste editie Dernière édition Last edition Letzte Edition	Edición Poprzednie wydanie Ultima edizione
	Dichtingsmiddel Matière d'étanchéité Sealing agent Abdichtungsmittel	Agente sellante Masa uszczelniająca Siliconatura		Vorige blz Page précédente Previous page Vorige Seite	Página siguiente Poprzednia strona -
	Verlijmen Coller Glue Verkleben	Collado Klej Colla			
	Vulcaniseerlijm Colle vulcanisante Vulcanizing glue Vulkanisierkleber	Vulcanizante Klej wulkanizacyjny Colla vulcanizzante			
	Referentiemaat Dimension de référence Reference dimension Referenzmass	Dimension de referencia Punkt odniesienia wymiarowania Dimensioni di riferimento			
	Merkteken Marquage Mark Merkzeichen	Indicación Znak Contrassegno			
	Struktureel gelijmd glaswerk Vitrage extérieur collé Structural sealing glazing UV-beständiger Scheibenrandverbund	Sellado acristalado estructural Szyba klejona spoiwem konstrukcyjnym Siliconatura vetro strutturale			
	Primaire zichtzijde van een profiel Côté visible primaire d'un profilé Primary visible side of a profile Primäre sichtbare Seite eines Profils Secundaire zichtzijde van een profiel Côté visible secondaire d'un profilé Secondary visible side of a profile Sekund. sichtbare Seite eines Profils	Cara vista principal del perfil Główna widoczna powierzchnia profilu Primo lato visibile di un profilo Cara vista secundaria del perfil Drugorzędna widoczna powierzchnia profilu Secondo lato visibile di un profilo			
	Kleur buitenschaaal (e) eerst aangeven in geval van bicolor (.69) En cas de bicolore (.69) il faut indiquer d'abord la couleur du profilé extérieur (e) For bicolor profiles (.69) first of all one should indicate the colour of the outer profile (e) Falls zweifarbig (.69) soll man erst die Farbe des Aussenprofils (e) angeben	Para perfil en bicolor (.69) debe indicarse primero el color del perfil externo (e) Dla profili dwukolorowych (.69) w pierwszej kolejności powinni być wskazany kolor zewnętrznej strony profilu (e) Nei profili bicolore (.69) prima di tutto indicare il colore del profilo esterno (e)			



Inbraakwerend
Anti-vol
Burglar proof
Einbruchhemmend

Protección anti-rob
Antywłamaniowe
-



Pershoekverbinding
Equerre à sertir
Crimp corner cleat
Presseckverbinder

Escuadra de ensamblar
Naroznik zaciskany
Squadrette a cianfrinare



Basisveiligheid
Sécurité de base
Basic safety
Basissicherheit

Seguridad básica
Antywłamaniowosc podstawowa
-



Hoekverbinding met schroefhoek
(*) enkel voor klembaar beslag
Equerre à blocage (*) seulement
pour accessoires encastrables
Corner cleat with screw
(*) only for clamping accessories
Eckverbinder mit Spannschraube
(*) nur für klemmbaren Beschlag

Escuadra de atornillar
(*) solo para accesorios apretables
Naroznik skrecany
(*) tylko dla akcesoriow
zatraskiwanych
Squadrette ad avvitare
(*) solo per accessori a scatto



ENV

Testen uitgevoerd volgens
norm DIN V ENV 1627
Essais effectués par conformément
la norme DIN V ENV 1627
Tests carried out according to
standard DIN V ENV 1627
Einbruchhemmende Prüfungen
gemäß Norm DIN V ENV 1627

Ensayos realizados según
norma DIN V ENV 1627
Badania wykonane według
normy DIN V ENV 1627
-



T-verbinding met schroef
Jonction-T avec vis
T-bracket with screw
T-Verbinder mit Schraube

Tope de union con tornillo
Lacznik teowy skrecany
Giunti con viti



NEN

Testen uitgevoerd volgens
norm NEN 5096 + ENV 1627
Essais effectués par conformément
la norme NEN 5096 + ENV 1627
Tests carried out according to
standard NEN 5096 + ENV 1627
Einbruchhemmende Prüfungen
gemäß Norm NEN 5096 + ENV 1627

Ensayos realizados según
norma NEN 5096 + ENV 1627
Badania wykonane norm
NEN 5096 + ENV 1627
-



T-verbinding met schroef voor
buitendraaiend raam
Jonction-T avec vis pour
fenêtre ouvrant vers l'ext.
T-bracket with screw
outside opening window
T-Verbinder mit Schraube
aussen öffnendes Fenster

Tope Unión con tornillo apertura exterior

Lacznik teowy skrecany do okien
otwieranych na zewnatrz
-



Testen uitgevoerd door
instituut IBS (Oostenrijk)
volgens norm Ö B 3800/3850
Essais effectués par
IBS(Autriche) conformément
la norme Ö B 3800/3850
Tests carried out by IBS
(Austria) according to
standard Ö B 3800/3850
Brandschutzprüfungen durch-
geführt beim IBS (Österreich)
gemäß Norm Ö B 3800/3850

Ensayos hechos por IBS
(Austria) según la estandard
Ö B 3800/3850
Badania wykonane przez IBS
(Austria) według norm
Ö B 3800/3850
-



Vulhoek
Equerre de remplissage
Corner support
Fülleckwinkel

Escuadra de relleno
Wspornik narozny
Supporto d'angolo



Testen uitgevoerd door
instituut TNO (Nederland) volgens
norm NEN 6069:1997
Essais effectués par TNO
(Hollande) conformément
la norme NEN 6069:1997
Tests carried out by TNO
(The Netherlands) according to
standard NEN 6069:1997
Brandschutzprüfungen durch-
geführt beim TNO (Die Niederlande)
gemäß Norm NEN 6069:1997

Ensayos realizados fuera por
TNO(Holanda) según norma
NEN 6069/1977
Badania wykonane przez TNO
(Holandia) według norm
NEN 6069/1977
-



Verstelbare schroefhoek
Equerre à visser réglable
Adjustable screw corner cleat
Verstellbarer Schraubeckwinkel

Escuadra de atornillar regulable
Katowy naroznik skrecany
Squadrette ad avvitare regolabili



Steunhoeken verstelbaar
Cales de feuillure réglables
Rebate supports adjustable
Verstellbare Eckwinkel Glasanschlag

Escuadra de alineamiento regulable
Katowy naroznik nastawny
Squadretta di allineamento regolabile



Brandwerend
Anti-feu
Fire-proof
Feuerhemmend

Resistente al fuego
Ognioodporne
-



Hoekverbinding met nagel
Equerre avec cheville
Corner cleat with drive pin
Eckverbinder mit Stift

Escuadra con clavia
Lacznik narozny sworzniowy
-



Toebehoren brandwerend
Accessoires anti-feu
Fire-proof accessories
Feuerhemmender Zubehör

Accesorios resistente al fuego
Akcesoria ognioodporne
-



T-verbinding met nagel
Jonction-T avec cheville
T-bracket with drive pin
T-Verbinder mit Stift

Tope de union con clavia
Lacznik teowy sworzniowy
-



T-verbinding met nagel
voor buitendraaiend raam
Jonction-T avec cheville
pour fenêtre ouvrant vers l'ext.
T-bracket with drive pin
outward opening window
T-Verbinder mit Stift nach
aussen öffnendes Fenster

Tope unión con clavia apertura exterior

Lacznik teowy sworzniowy do okien
otwieranych na zewnatrz
-



Gelaagd glas
Verre feuilleté
Laminated glass
Verbundglas

Vidrio Laminado
Szyba laminowana
-



Glas
Verre
Glass
Glas

Vidrio
Szyba
-



Handleiding
Manuel
Manual
Gebrauchsanweisung

Manual
Instrukcja
-



Kruisverbindingen
Jonctions transversales
Cross connections
Kreuzverbindungen

Uniones transversales
Polaczenie krzyzowe
-



Alleen voor CS 59
Seulement pour CS 59
Only for CS 59
Nur für CS 59

Solo para CS 59
Tylko do CS 59
-



Kruisverbinding met schroef
Jonction transversale avec vis
Cross connection with screw
Kreuzverbindung mit Schraube

Union transversal con tornillo
Polaczenie krzyzowe skrecane
-



Alleen voor CS 68
Seulement pour CS 68
Only for CS 68
Nur für CS 68

Solo para CS 68
Tylko do CS 68
-



Bevestiging drager
Fixation chevon
Fixation rafter
Befestigung Dachsparren

Fijacion mainel
Mocowanie krokwi
-



Alleen voor CS 77
Seulement pour CS 77
Only for CS 77
Nur für CS 77

Solo para CS 77
Tylko do CS 77
-

	Eénpuntsluiting Fermeture à 1 point 1-Point lock Einfachverriegelung	Cerradura de 1 punto Zamek 1-punktowy Serratura a 1 punto di chiusura		Elektrische deuopener Gâche pour serrure électrique Electric door opener Elektrischer Türöffner	Portero automatico Elektryrgiel Apertura porta elettrica
	Eénpuntsluiting met dagschieter Fermeture à 1 point à pêne 1-Point lock with latch Einfachverriegelung mit Falle	Cerradura 1 punto golpe Zamek 1-punktowy Serratura a 1 punto di chiusura con fermo		Deurgrendels en kantschuiven Verrous de condamnation portes Flush and door bolts Kantenriegel und Türtreibriegel	Pasadores puerta Rygłe biernych skrzydeł drzwiowych Catenacciolo chiusura centrale
	Eénpuntsluiting met rol Fermeture à 1 point à rouleau 1-Point lock with roller Einfachverriegelung mit Rolle	Cerradura de 1 punto con rodillo Zamek 1-punktowy z barylka Serratura a 1 punto di chiusura con rullino		Geen elektrische spanning bij gesloten deur En cas de porte fermé pas des tension électrique No electric tension in case of closed door	Sin tensión eléctrica en caso de que la puerta esté cerrada Brak elektrycznego napiecia w przypadku zamkniętych drzwi -
	Haakslot Serrure à crochet Hook lock Hakenschluss	Cerradura gancho Zamek hakowy -		Keine elektrische Spannung bei geschlossener Tür	-
	Tweepuntsluiting Fermeture à 2 points 2-Point lock 2-Fachverriegelung	Cerradura de 2 puntos Zamek 2-punktowy Serratura a 2 punti di chiusura		Raampompen Crémones Window handles Handhebel	Cremona Klamka okienna Cremonese
	Driepuntsluiting Fermeture à 3 points 3-Point lock Dreifachverriegelung	Cerradura de 3 puntos Zamek 3-punktowy Serratura a 3 punti di chiusura		Deurkrukken Béquilles Door handles Türdrücker	Manubrios Klamka drzwiowa Maniglie
	Driepuntsluiting met rol Fermeture à 3 points à rouleau 3-Point lock with roller Dreifachverriegelung mit Rolle	Cerradura de 3 puntos con rodillo Zamek 3-punktowy z barylka Serratura a 3 punti di chiusura con rullino		Sluitingen dubbele deur Serrures pour porte double Locks for double door Türtreibriegel	Cerradura puerta doble Blokada drzwi dwuskrzydłowych Serratura porta a 2 ante
	Vierpuntsluiting Fermeture à 4 points 4-Point lock 4-Fachverriegelung	Cerradura de 4 puntos Zamek 4-punktowy Serratura a 4 punti di chiusura		Raampomp naar buiten draaiend raam Crémone fenêtre ouvrant vers l'extérieur Handle outward opening window Handhebel nach aussen öffnendes Fenster	Cremona ventana apertura exterior Klamka okna otwieranego na zewnątrz -
	Vijfpuntsluiting Fermeture à 5 points 5-Point lock Fünffachverriegelung	Cerradura de 5 puntos Zamek 5-punktowy Serratura a 5 punti di chiusura			
	Vijfpuntsluiting met rol Fermeture à 5 points à rouleau 5-Point lock with roller Fünffachverriegelung mit Rolle	Cerradura de 5 puntos con rodillo Zamek 5-punktowy z barylka Serratura a 5 punti di chiusura con rullino		Raamscharnieren Paumelles pour fenêtres Window hinges Fensterbänder	Bisagras ventana Zawias okienny Cerniere
	Zespuntsluiting Fermeture à 6 points 6-Point lock 6-Fachverriegelung	Cerradura de 6 puntos Zamek 6-punktowy Serratura a 6 punti di chiusura		Deurscharnieren 2-delig Paumelles porte 2-partite Door hinges 2-part Türbänder 2-teilig	Pernio puerta 2 palas Zawias drzwiowy 2-czesciowy Cerniera 2 ali
	Zevenpuntsluiting Fermeture à 7 points 7-Point lock Siebenfachverriegelung	Cerradura de 7 puntos Zamek 7-punktowy Serratura a 7 punti di chiusura		Deurscharnieren 3-delig Paumelles porte 3-partite Door hinges 3-part Türbänder 3-teilig	Pernio puerta 3 palas Zawias drzwiowy 3-czesciowy Cerniera 3 ali
	Espagnoletslock Fermeture espagnolette Espagnolette Lock Treibriegelverschluss	Cierre ventana Zamek drzwiowy do blokady pionowej Serratura a spagnoletta		Afstandsbusen Pièces de distance Set of distance bushes Distanzbuchsen	Piezas distanciadoras Tuleje dystansowe Set distanzialli spazzolino
	Cilinders Cylindres Cylinders Zylinder	Bombines Cylindry Cilindri		Geen afstandsbusen nodig Pas de pièces de distance No distance bushes needed Keine Distanzbuchse	No necesario piezas distanciadoras Brak konieczności stosowania tuleji dystansowych -
	Cilinderplaten Ecussons Cylinder covers PZ-Rosette	Escudos bombin Osłona wkładki bebenkowej Copertura cilindri		Inbraakwerende kogel Bille anti-vol Anti-burglar ball Einbruchhemmend Kugel	Bola proteccion antirobo Kulka antywłamaniowa -
	Slotpaden Gâches Receivers Schliessbleche	Gancho Gniazdo rygla zamka Riscontri		Dieveklauw Pene anti-degondage Anti-lift pin Sicherheitsbolzen	Perno antielevador Bolec antywyważeniowy -
	Deursluiters Ferme-porte Door closer Türschliesser	Cierrapuertas Samozamykacz drzwiowy Chiusura porta		Kozijndorpelver Pivot de frein arien Overhead closer Obentürschliesser	Muelle aereo Samozamykacz górny -
				Vloerveer Pivot de frein au sol Floor closer Bodentürschliesser	Muelle pavimento puerta Samozamykacz podłogowy -



Eendstuk deurleugel
Pièce finale ouvr. porte
End piece door vent
Endkappe Türflügel



Eendstukken bodemprofiel
Pièces finales profilé de seuil
End pieces floor profile
Endkappe Schwelle



Eendstukken Z-T deur
Bouchon profilé porte Z-T
End pieces Z-T door
Endkappe Z-T Tür



Afdichtingen dorpels
Profils latéral pour bavettes
Sill end pieces
Endstück für Wetterschenkel



Glassteunen
Supports cale de vitrage
Glazing supports
Klotzbrücken



Afdekkap voor waterafvoersleuven
Capuchon écoulement d'eau
Weep hole cover
Abdeckkappe Entwässerung



Eendstukken stolprofielen
Bouchons double ouvrant
End parts double casement profile
Endkappe Stulpprofil



Koppelstuk
Pièce de raccordement
Connection piece
Kupplungsstueck



Eendstukken voor stolprofielen
Bouchons pièce finale
pour profilé double ouvrant
End parts for double casement profiles
Endkappen für Stulpprofile



Afdichting goot
Fermeture gouttière
End piece gutter
Endkappe Rinne



Eendstuk
Pièce finale
End piece
Endkappe



Stootplaat
Arrêt vitrage toiture
Glass panel stop
Endstück Verglasung



Veranda type 1
Veranda type 1
Veranda type 1
Veranda Typ 1

Tapeta hoja puerta
Koncowka do skrzydła
drzwiowego
Terminale anta

Piezas terminales perfil suelo
Koncowki profilu
podłogowego
Terminale soglia

Tapetas puerta Z-T
Element koncowy Z-T drzwi
Terminale profili porte Z e T

Tapetas condensacion
Koncowki do profili podokiennych
Coprifilo terminale

Soportes vidrio
Podporka pod przeszklenie
Supporti per vetro

Deflector aire
Maskownica otworu
drenazowego
Paratempesta

Tapetas perfil doble hoja
Koncowka profilu
ruchomego slupka
Parte finale di un profilo
ad inversione

Pieza de union
Element Łaczacy

Tapeta perfil doble hoja
Koncowka profilu ruchomego slupka



Binnenbeglazingsdichtung
Joint à bourrer
Inner glazing gasket
Innenverglasungsdichtung



Buitenbeglazingsdichtung
Joint de vitrage extérieur
Outer glazing gasket
Aussenverglasungsdichtung



Buitenbeglazingsdichtung
Joint de vitrage extérieur
Outer glazing gasket
Aussenverglasungsdichtung



Akoestische dichting
Joint acoustique
Acoustical seal gasket
Flügelauflagsdichtung



Middendichtingen
Joints centraux
Central gaskets
Mitteldichtungen



Aanslagdichtung
Joint de butée
Butt strip
Anschlagdichtung



Dilatatie dichtingen
Joints de dilatation
Expansion gaskets
Dehnungsdichtungen



Dichting
Joint
Gasket
Dichtung



Dichting
Joint
Gasket
Dichtung



Afdichtingsstuk
Pièce d'étanchéité
Sealing piece
Abdichtung



Dichting veranda
Joint véranda
Gasket veranda
Dichtung Wintergarten



Borsteldichtingen
Joints brosse
Brushes
Bürstendichtungen



Isolerend vulstuk
Pièce de remplissage isolante
Insulating filling piece
Isolierendes Füllstück



Einddichting
Joint d'assemblage
End gasket
Enddichtung

Junta de acristalado interior
Uszczelka przyszybowa wewnętrzna
Guarnizione del vetro interna

Junta de acristalado exterior
Uszczelka przyszybowa zewnętrzna
Guarnizione del vetro esterna

Junta de acristalado exterior
Uszczelka przyszybowa zewnętrzna
Guarnizione del vetro esterna

Junta acustica
Uszczelka akustyczna
Guarnizione di isolamento acustico

Junta central
Uszczelka centralna
Guarnizione centrale

Junta tope
Uszczelka
Guarnizione di battuta

Junta de dilatacion
Uszczelka dylatacyjna
Guarnizione di espansione

Junta
Uszczelka
Guarnizione

Junta
Uszczelka
Guarnizione

Pieza de sellado
Element uszczelniający
Sigillante

Junta veranda
Uszczelka do werandy

Cepillos
Szczotki
Spazzole

Pieza de relleno aislante
Wkładka izolacyjna

Junta
Uszczelka koncowka
Guarnizione

	Stolp-kipraam Fenêtre double ouvr.-batt. Double casem.-tilt window Stulpfenster D/DK	Ventana abatible doble hoja Okno rozwierano-uchylne dwuskrzydłowe Finestra a 2 ante ribalta		Paniekdeur Porte de panique Panic door Paniktür	Puerta antipánico Drzwi antypaniczne -
	Draaikip Oscillo-battant Turn and tilt Drehkipp	Oscilobattiente Okno rozwierano-uchylne Anta ribalta		Diversen Divers Miscellaneous Diverse	Diversos Elementy uzupełniające Varie
	Kipdraai Battantes-ouvrantes Tilt and turn Kippdreh	Battiente oscilante Okno uchylno-rozwierane Anta ribalta inversa		Klemstuk Clip Uchwyty Clip Federklemme	Clip Uchwyty Clip
	Draairaam Fenêtre ouvrante Side-hung window Drehfenster	Ventana practicable Okno rozwierane Battente		Nokbevestiging Fixation de la faîtière Fixation of the ridge Firstanschluss	Fijación del resalte Element mocujący kalenicowy -
	Stolpraam Fenêtre double ouvrant Double casement window Stulp-Flügel Fenster	Ventana doble hoja Okno rozwierane wuskrzydłowe Finestra a 2 ante		Isolatie Isolant Insulation Isolation	Aislamiento Izolacja -
	Valraam Fenêtre à soufflet Bottom hung window Kipp-Fenster	Ventana abatible Okno uchylne Wasistas		Brievenkleppen Entrées de courrier Letter boxes Briefeinwurf	Buzones Skrzynka na listy -
	Afstandbedieningen valraam Commandes à distance pour fenêtre à soufflet Remote control for fanlight window Oberlichtbeschlag für Kipp-Flügel	Funcionamiento a distancia para ventana de techo Mechanizm do dystansowego uchylania okien -		Automatische deurichtingen Fermetures automatiques Automatic door latches Automatische Türdichtungen	Cierrapuertas automaticos Drzwiowa automat. opadająca listwa Dispositivo di chiusura soglia
	Variant Variante Variant Variante				Variante Wariant Variante
	Buitendraaiend raam Fenêtre ouvrant vers l'extérieur Outside opening window Nach aussen öffnendes Fenster	Ventana apertura exterior Okno otwierane na zewnątrz Finestra ad apertura esterna		Verankeringen Ancrages Fixing lugs Verankerungen	Anclajes Kotwy Ancoraggio
	Uitzetakraam Châssis à l'italienne Top-hung window Senk-Klappfenster	Ventana proyectante con compas Okno wychylne na zewnątrz Sporgere con frizioni		Sluipennen en sluitstukken Rouleaux et gâches Lock pins and lock plates Schliesserollen und Schliessstücke	Bulones y cerraderos Płytki i kolek ryglujące -
	Tuimel- en taatsraam Châssis pivotant Pivot window Schwingflügel	Ventana pivotante Okno obrotowe -		Goot Gouttière Gutter Rinne	Canal Rynna -
	Vouwdeur (MP) Porte pliante (MP) Folding door (MP) Falttür (MP)	Puerta plegable (MP) Drzwi harmonijkowe (MP) -		Dakvenster Tabatière Attic window Dachfenster	Ventana de techo Okno dachowe Lucernario
	Schuifkip (TF) Couissant-tombant (TF) Slide and tilt (TF) Schiebekipptür (TF)	Paralela Uchylno-przesuwny -		Kunststof dakbedekking Toiture synthétique Synthetic roofing Kunststoff Dachdeckung	Cubierta en material sintético Wypelnienie poliwęglanem na dachy -
	Schuifraam Fenêtre coulissante Sliding window Schiebefenster	Ventana corredera Okno przesuwne -		Zelfklevende dubbelzijdige tape Bande autocollante 2 faces Self-adhesive double sided tape Selbstklebendes beidseitiges Band	Cinta autoadhesiva de dos caras -
	Parallel opengaand raam Fenêtre ouvrant parallèle Parallel opening window Parallelausstellfenster	Ventana proyectante paralela Okno równoległe wysuwane na zewnątrz Sporgere parallelo		Domotica Domotique Domotics Domotik	Domótica Domotica -
	Kipraam Fenêtre battante Tilt window Kippfenster	Oscilo Okno uchylne -		Profielen met hoge isolatiewaarde Profilés avec valeur d'isolation élevée Profiles with high insulation value Profile mit hohem Isolationwert	Perfiles alto aislamiento térmico Profil o wysokiej izolacyjności termicznej -
	Dubbele deur buitendraaiend Porte double ouvrant vers l'ext. Double door outward opening Zweiflügelige Tür aussen öffnend	Puerta doble apertura exterior Drzwi dwuskrzydłowe otw. na zew. -		Wielen Galets Rollers Laufwagen	Ruletas Wozki Carrelli
	Deur binnendraaiend Porte ouvrant vers l'int. Door inward opening Tür nach innen öffnend	Puerta apertura interior Drzwi otw. do wewnątrz Porta apertura interna		Regeltringels Tringles de réglage Adjustment rods Regulierstange	Varilla de ajuste Listwy regulacyjne -
	Deur buitendraaiend Porte ouvrant vers l'ext. Door outward opening Tür aussen öffnend	Puerta apertura exterior Drzwi otw. na zewnątrz Porta apertura esterna		Geleidingsplaat Guide Guide plate Führung	Placa guía Element naprowadzający -

	Gereedschap Outils Tool Werkzeug	Util Narzędzie Utensile		Hydropneumatische pers Presse hydropneumatique Hydropneumatic press Hydropneumatische Presse	Prensa neumática Prasa hydropneumatyczna -
	Gereedschappen en machines voor ontwatering van kader Outils et machinerie pour drainage dormant Tools and machinery for draining outer frame Werkzeuge und Maschinen für Entwässerung Blendrahmen	Utiles y maquinaria para el drenaje del marco Narzędzia i maszyny do drenazy ościeżnic Utensili e macchinari per il drenaggio del telaio		Zaagmachine Tronçonneuse Sawing machine Kreissäge	Maquina de corte Pila do ciec przestrzennych Macchina per taglio
	Gereedschappen en machines voor ontwatering van vleugel Outils et machinerie pour drainage ouvrant Tools and machinery for draining vent Werkzeuge und Maschinen für Entwässerung Flügel	Utiles y maquinaria para el drenaje de la hoja Narzędzia i maszyny do drenazy skrzydeł Utensili e macchinari per il drenaggio dell'anta		Hoekenpers Sertisseuse Crimper Eckverbindungsmaschine	Ensambladora Zaciskarka narozy Cianfrinatrice
	Gereedschappen en machines voor T-verbinding Outils et machinerie pour jonction-T Tools and machinery for T-brackets Werkzeuge und Maschinen für T-Verbinder	Utiles y maquinaria para el tope de unión Narzędzia i maszyny do polaczen teowych Utensili e macchinari per i giunti		Handmatrijs Matrice manuelle Manual punch tool Handstanzwerkzeug	Prensa manual Wykrojnik ręczny Punzonatrice manuale
	Gereedschappen en machines voor kruikuitsparing Outils et machinerie pour fermeture Tools and machinery for closure Werkzeuge und Maschinen für Beschläge	Utiles y maquinaria para el cierre Narzędzia i maszyny do zamknięcia Utensili e macchinari per la chiusura		Gereedschap voor krukken Outils pour cremones Tool for handles Werkzeug fuer Handhebel	Util para manetas Narzędzie do klamek Utensile per maniglie
	Gereedschappen en machines voor kruikuitsparing Outils et machinerie pour fermeture Tools and machinery for closure Werkzeuge und Maschinen für Beschläge	Utiles y maquinaria para el cierre Narzędzia i maszyny do zamknięcia Utensili e macchinari per la chiusura		Gereedschap voor sluitlatten Outils pour tringles Tool for linkbars Werkzeug fuer Schubstange	Util para barras union Narzędzie do listew sterujących okuciami Utensile per barre di collegamento
	Gereedschappen en machines voor kruikuitsparing Outils et machinerie pour fermeture Tools and machinery for closure Werkzeuge und Maschinen für Beschläge	Utiles y maquinaria para el cierre Narzędzia i maszyny do zamknięcia Utensili e macchinari per la chiusura		Gereedschap voor T-verbindingen Outils pour connections-T Tool for T-connections Werkzeug fuer T-Verbindungen	Util para topes de union Narzędzie do polaczen Teowych Utensile per travesi
	Gereedschappen en machines voor kruikuitsparing Outils et machinerie pour fermeture Tools and machinery for closure Werkzeuge und Maschinen für Beschläge	Utiles y maquinaria para el cierre Narzędzia i maszyny do zamknięcia Utensili e macchinari per la chiusura		Klemblokken Blocs de serrage Clamping blocks Spannbacken	Bloques de presión Blokki zaciskowe Blocchetti di supporto
	Multifunctionele matrijs Matrice multifonctionnelle Multifunctional punch tool Mehrzweckstanzwerkzeug	Matriz multifuncional Wykrojnik wielofunkcyjny Punzonatrice multifunzionale		Gereedschap voor ontwatering buitenkaders Outils pour drainage dormants Tool for drainage outer frames Werkzeug fuer Entwässerung Blendrahmen	Util drenaje marco Narzędzie do drenazy ościeżnic Utensile per drenaggio telaio
	Geleide matrijs Matrice guidée Punch tool Stanzwerkzeug	Matriz Wykrojnik Punzonatrice		Gereedschap voor hoekverbinding Outils pour connection d'querre Tool for corner connection Werkzeug fuer Eckverbindung	Util union esquina Narzędzie do polaczen narożnych Utensile per connessioni d'angolo
	Handmatig gereedschap Outils manuel Manual tools Handwerkzeuge	Util manual Narzędzie ręczne Dime		Gereedschap voor montage Outils pour montage Tool for assembly Werkzeug fuer Montage	Util para colocacion Narzędzie do montazu -
	Freessjabloon Calibre de fraisage Stencil plate for milling head Fräseschablone	Plantilla para copiadora Szablon do frezarki Maschera per fresa		Gereedschap voor deursluiser Outils pour fermeture porte Tool for door closer Werkzeug fuer Türschliesser	Util para cierrapuertas Narzędzie do samozamykacza drzwiowego -
	Enkelkopse freesmachine Frais. à copier à une broche Copy router 1 spindle Einspindel-Kopierfräse	Copiadora de un cabezal Frezarka z jedna głowica Fresa di copia a 1 mandrino		Gereedschap voor scharnieren Outils pour charnières Tool for hinges Werkzeug fuer Bänder	Util para bisagras Narzędzie do zawiasy -
	Frees- en boormachine Fraiseuse et foreuse Router and drilling machine Fräse- und Bohrgerät	Copiadora taladradora Frezarka z wiertarka Trapano e fresa		Gereedschap voor sloten Outils pour fermetures Tool for locks Werkzeug fuer Schlösser	Util para cerraduras Narzędzie do zamka -
				Gereedschap voor wisselprofielen Outils pour chicanes Tool for sections Werkzeug fuer Wechselprofile	Util para encuentros centrales Narzędzie do przekrojow -
				Gereedschap voor beglazing Outils pour vitrage Tool for glazing Werkzeug fuer Verglasung	Util para acristalamiento Narzędzie do przeszklen -
				Gereedschap voor diverse toepassingen Outils pour applications divers Tool for miscellaneous applications Werkzeug fuer diverse Anwendungen	Utiles para varias aplicaciones Narzędzie do montazu elementow uzupełniających -



Gereedschap voor dichtingen
Outillage pour joints
Tool for gaskets
Werkzeug für Dichtungen

Util para juntas
Narzędzie do uszczelki
-



Pneumatische aandrijving
Propulsion pneumatic
Pneumatic drive
Pneumatische Antrieb

Destornillador neumático
Pneumatyczny napęd
-



Gereedschap voor bevestiging wielen
Outillage pour fixation des roulettes
Tool for fixation rollers
Werkzeug für Befestigung Laufräder

Util para fijación de ruletas
Narzędzie do montażu wózków
-



Ponsunit
Unité d'étamper
Punch unit
Stanzeinheit

Punzon
Wykrojnik
-



Land
Pays
Country
Land

Pais
Kraj
-



Gereedschap voor ontwatering vleugels
Outillage pour drainage ouvrants
Tool for drainage vents
Werkzeug für Entwässerung Flügel

Util para drenaje hoja
Narzędzie do drenażu skrzydła
-



Min. profiellengte
Longueur min. de profilé
Min. length of profile
Min. Profillänge

Longitud mínima del perfil
Minimalna długość profilu
-



Uitfrezing voor inbouw bovenspeun in kozijn
Fraisage pour encastrement gond supérieur dans la fenêtre
Milling for building in upper pivot in window
Ausfräsung für Einbau eines oberen Lagers im Rahmen

Fresado para pivotante en marco superior
Frez do montażu górnego sworznia w oknie
-



Max. profiellengte
Longueur max. de profilé
Max. length of profile
Max. Profillänge

Longitud máxima del perfil
Maksymalna długość profilu
-



Max. profielhoogte
Hauteur max. de profilé
Max. height of profiles
Max. Profilhöhe

Altura máxima del perfil
Maksymalna wysokość profilu
-



Uitfrezing voor inbouw vloerspeun in vleugel
Fraisage pour encastrement gond inférieur dans l'ouvrant
Milling for building in floor pivot in vent
Ausfräsung für Einbau eines Bodenlagers im Flügel

Fresado para pivotante en hoja inferior
Frez do montażu dolnego sworznia w skrzydle
-



Max. horizontale beweging
Movement max. horizontale
Max. horizontal movement
Max. horizontale Versetzung

Movimiento horizontal máximo
Maksymalny ruch poziomy
-



Horizontaal hoekbereik
Intervalle d'équerre horizontale
Horizontal corner range
Eckbereich Horizontal

Rango de corte a inglete horizontal
Zakres katów poziomych
-



Uitfrezing voor inbouw bovenspeun in vleugel
Fraisage pour encastrement gond supérieur dans l'ouvrant
Milling for building in upper pivot in vent
Ausfräsung für Einbau eines oberen Lagers im Flügel

Fresado para pivotante en hoja superior
Frez do montażu górnego sworznia w skrzydle
-



Verticaal hoekbereik
Intervalle d'équerre verticale
Vertical corner range
Eckbereich Vertikal

Rango de corte a inglete vertical
Zakres katów pionowych
XXX



Motor
Moteur
Motor
Antrieb

Motor
Silownik napędowy
-



Monteertafel
Table de montage
Assembly bench
Montagetisch

Banco de montaje
Stół montażowy
-



Gewicht
Poids
Weight
Gewichte

Pesos
Ciężar
-



Elektrische aansluiting
Fixation électrique
Electric connection
Elektrischer Anschluss

Conexión eléctrica
Połączenie elektryczne
-



Max. toerental
Vitesse d'axe max.
Max. spindle speed
Max. Drehzahl

Velocidad de sierra
Maksymalna prędkość obrotowa
-



Compressor
Compresseur
Compressor
Kompressor

Compresor
Kompresor
-



Kugel Dr. Hahn
Bille Dr. Hahn
Ball Dr. Hahn
Kugel Dr. Hahn

Bola Dr. Hahn
Kulka Dr. Hahn
-



Mechanische aansluiting
Fixation mécanique
Mechanical connection
Mechanischer Anschluss

Conexión mecánica
Połączenie mechaniczne
-

B



Reynaers
Aluminium

Algemene informatie systemen

Généralités séries

General Information System

Allgemeine Information System

C



Reynaers
Aluminium

Profielen

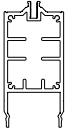
Profilés

Profiles

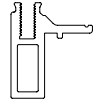
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038.0312.XX	56L.C.001	D0077793			
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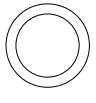
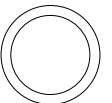
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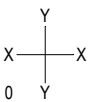
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						40.657
						

						
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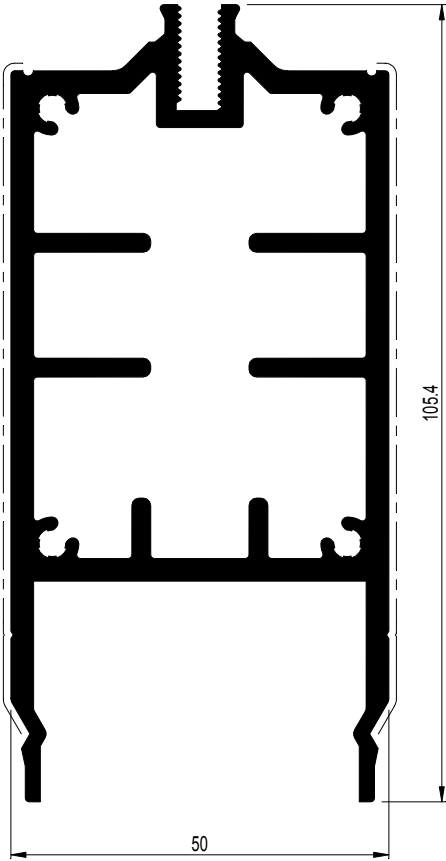
DWARSPROFIEL TRAVERSE TRANSOM RIEGELPROFIL						
						
038.0312.XX			17.76	10.1	6.00	3.303
						1.832
						

AFDEKPROFIEL PROFILE DE RECOUVREMENT COVERING PROFILE ABDECKPROFIL						
						
034.0536.XX			15.09	7.7	7.00	0.178
						3.329
						

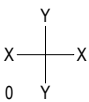
RONDE BUIS TUBE ROND ROUND TUBE RUNDROHR						
						
0B0.2503.XX			7.85	7.9	6.00	1.278
						1.278
						
0B0.1601.XX			5.03	5.0	6.00	0.182
						0.182
						
0B0.4004.XX			12.57	12.6	6.00	7.419
						7.419
						

	 A dm ² /m	 P dm ² /m	 Lm	Ix cm ⁴	Wx cm ³	ax mm	Iy cm ⁴	Wy cm ³	ay mm	
038.0311.XX	40.66	17.6	6.00	93.261	15.977	58.37	40.657	16.261	25.00	

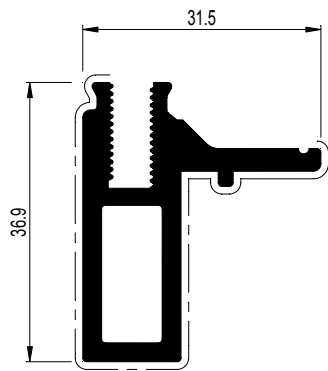
038.0311.XX



D007789

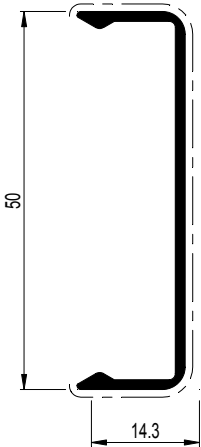
				$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
038.0312.XX	17.76	10.1	6.00	3.303	1.653	19.98	1.832	0.835	9.57	

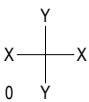
038.0312.XX



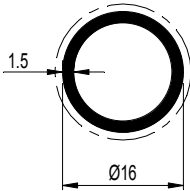
				$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
034.0536.XX	15.09	7.7	7.00	0.178	0.164	10.85	3.329	1.332	25.00	

034.0536.XX

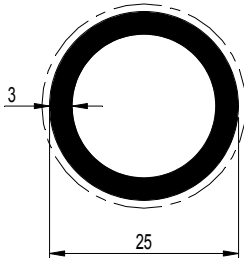


	 A dm ² /m	 P dm ² /m	 L_m	I_x cm ⁴	W_x cm ³	a_x mm	I_y cm ⁴	W_y cm ³	a_y mm	
OB0.1601.XX	5.03	5.0	6.00	0.182	0.227	8.00	0.182	0.227	8.00	
OB0.2503.XX	7.85	7.9	6.00	1.278	1.022	12.50	1.278	1.022	12.50	
OB0.4004.XX	12.57	12.6	6.00	7.419	3.710	20.00	7.419	3.710	20.00	

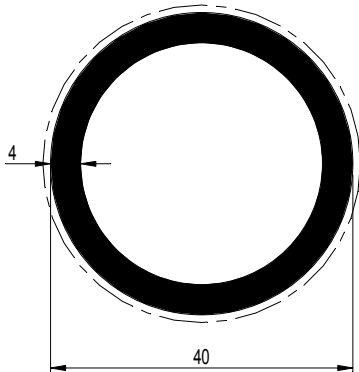
OB0.1601.XX



OB0.2503.XX



OB0.4004.XX



C

E



Reynaers
Aluminium

Werktekeningen
Coupes et débits
Work drawings
Werkzeichnungen

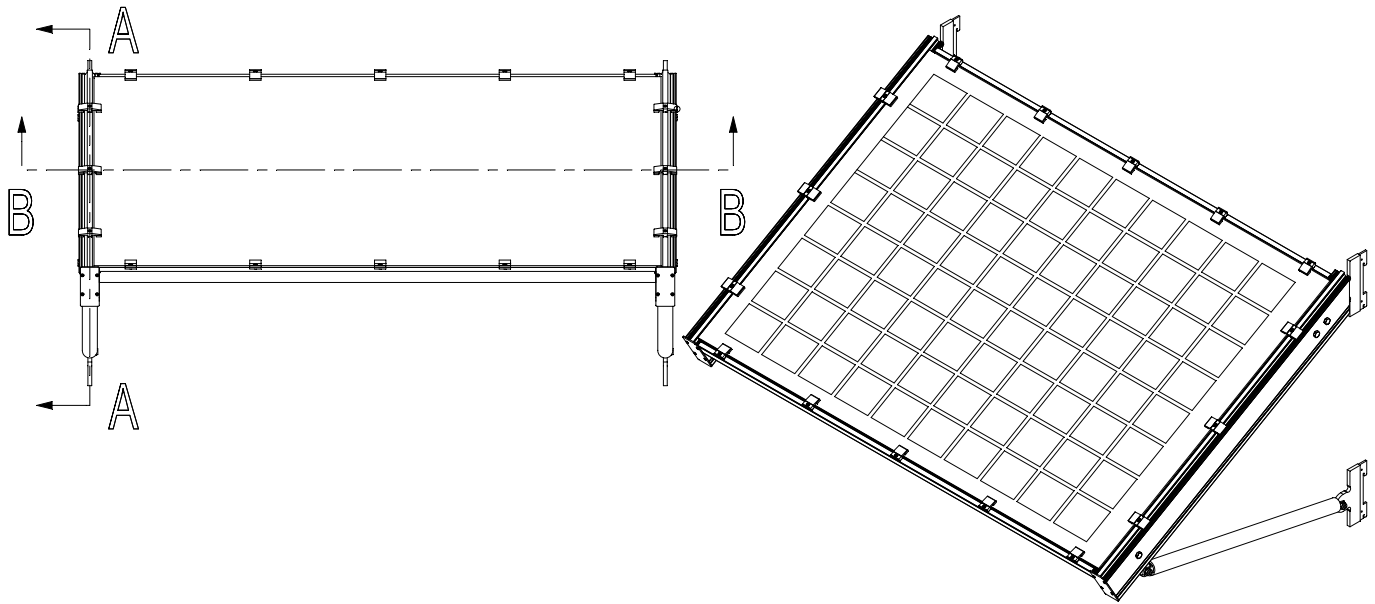
BS 30 Solar

BS 30 SOLAR MET DWARSPROFIEL
BS 30 SOLAR AVEC TRAVERSE
BS 30 SOLAR WITH TRANSOM
BS 30 SOLAR MIT RIEGELPROFIL

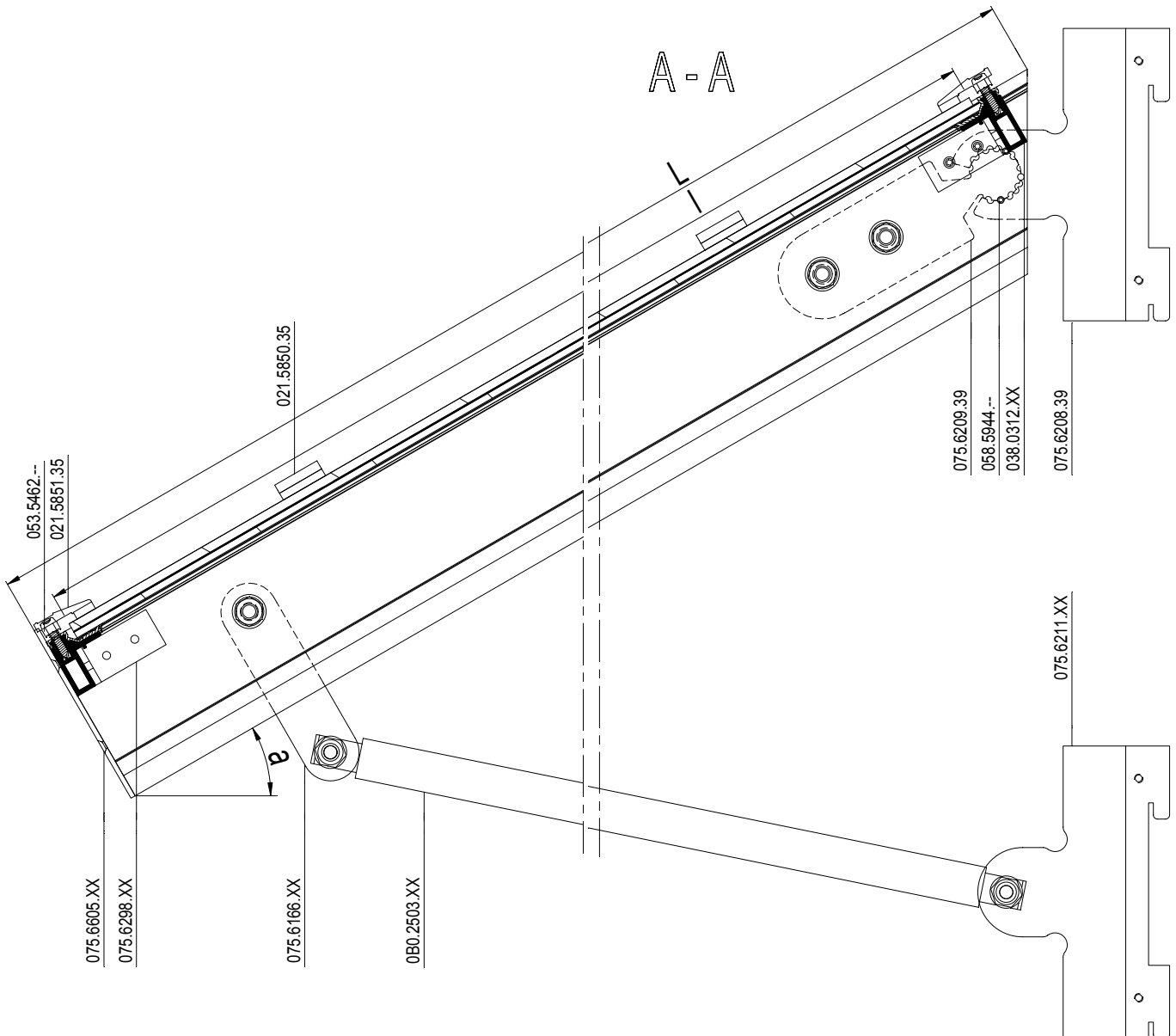


BS 30 Solar

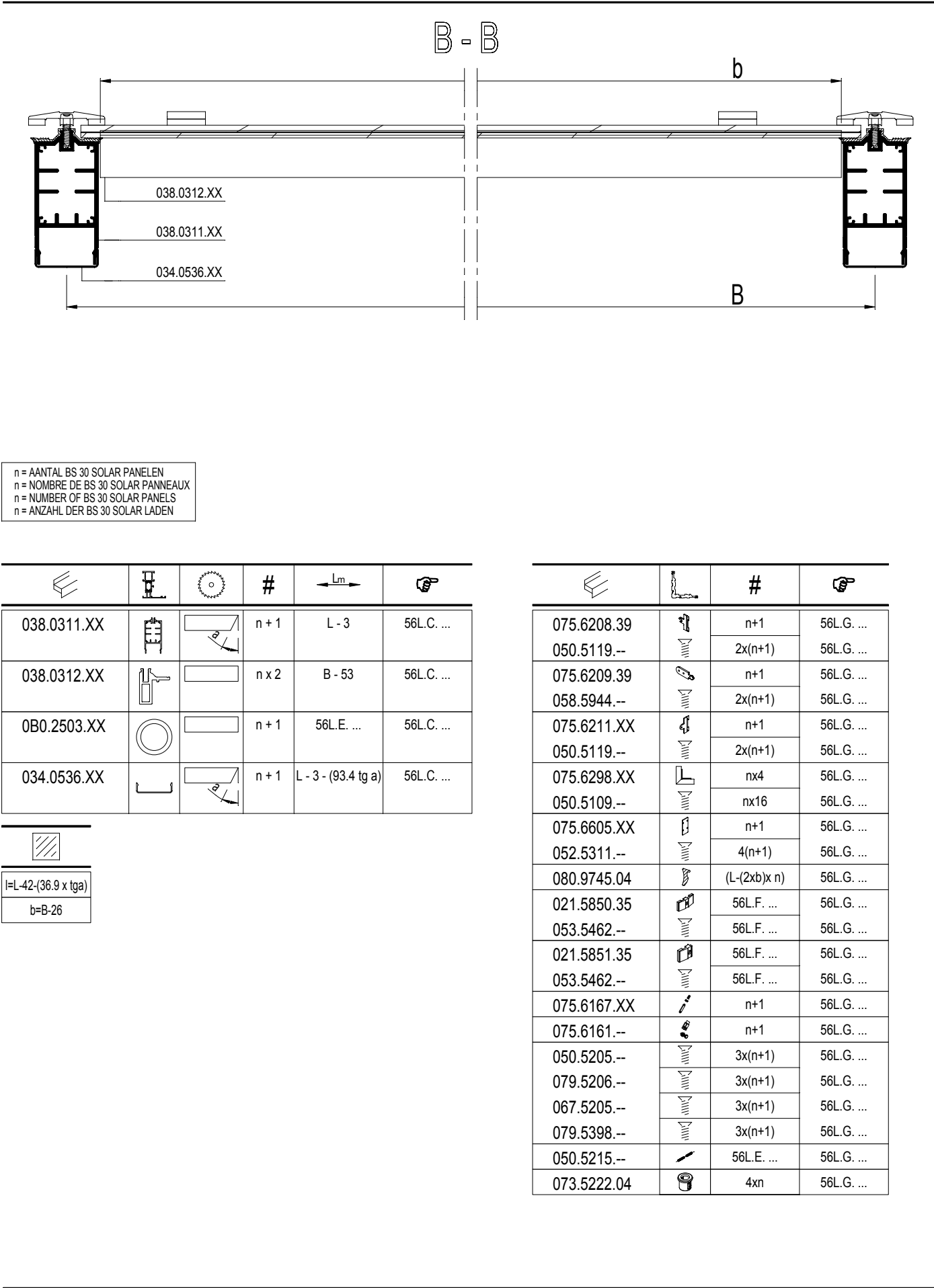
BS 30 SOLAR MET DWARSPROFIEL
BS 30 SOLAR AVEC TRAVERSE
BS 30 SOLAR WITH TRANSOM
BS 30 SOLAR MIT RIEGELPROFIL

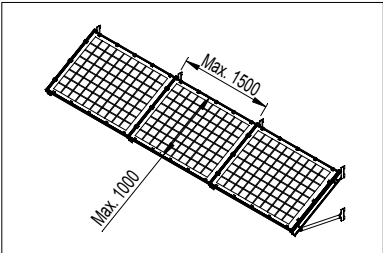
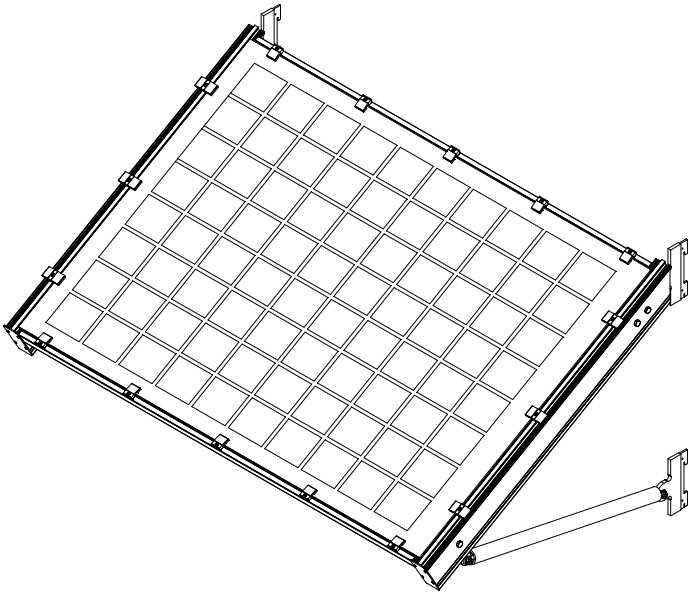


A - A



D0077884





Max Load / dimensions	L max	B max
Windload (upwards)		
1200 N/m ²	1000	1500
Snowload		
900 N/m ²	1000	1500

X1 = I - X0 - 97.5

X2 = √ (X1² + 100²)

b = ... → tg b = $\frac{100}{X1}$

d = 90° - a

c = d - b

h1 = (cos c)x X2

X3 = √ (X2² - h1²)

X4 = $\frac{X3}{\cos 10^\circ}$

h2 = √ (X4² - X3²)

H = h1 + h2 + h3

L1 = X4 + X5

L2 = L1 - 47

L3 = L1 - 50

L = Total lenght configuration

I = Lenght PV-panel

H = Distance between the anchors

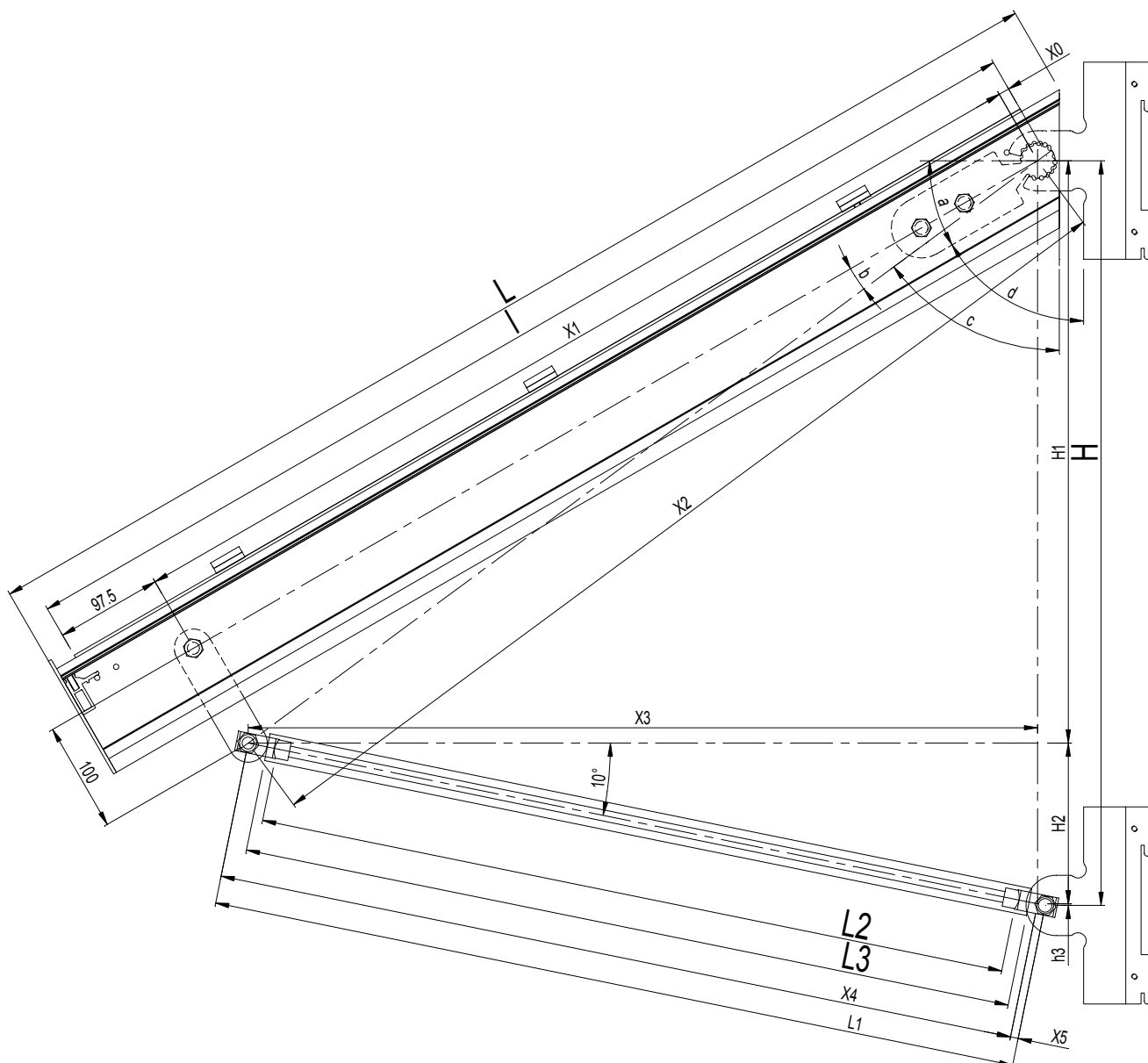
L2 = Lenght threaded rod

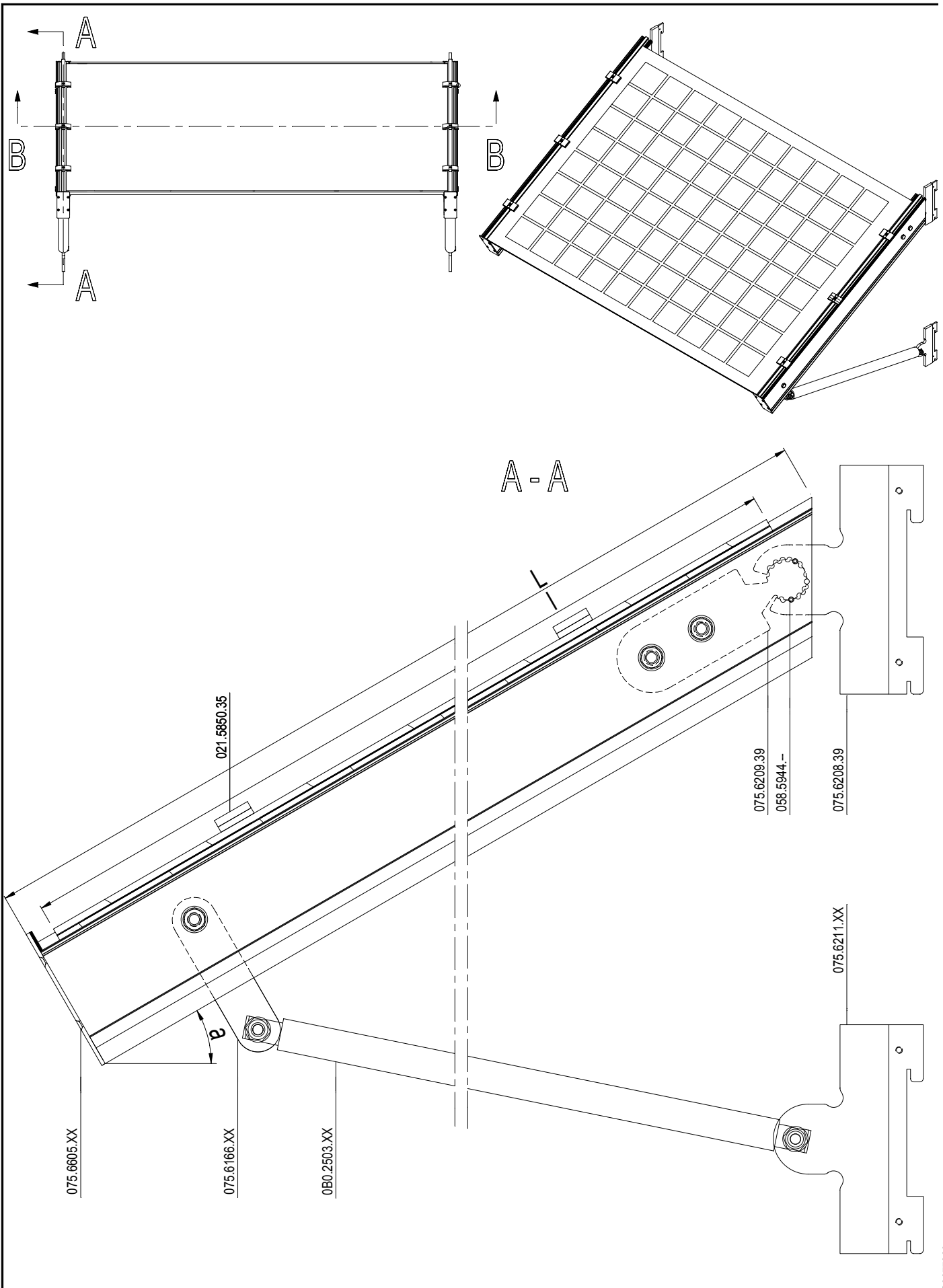
L3 = Lenght of reinforcement tube

h3 = 1.23

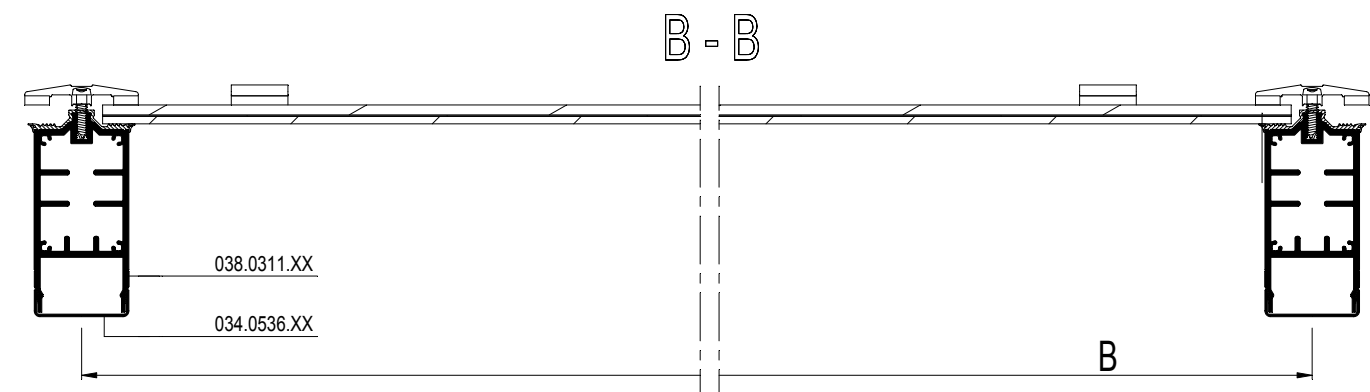
X5 = 7.1

X0 =	10.1	35°
	7.8	30°
	6	25°
	4.4	20°
	3.1	15°
	2	10°





D0077909

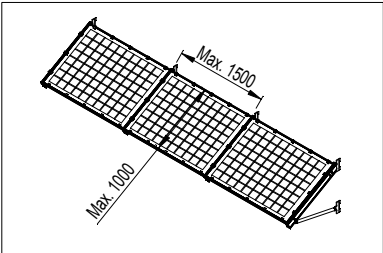
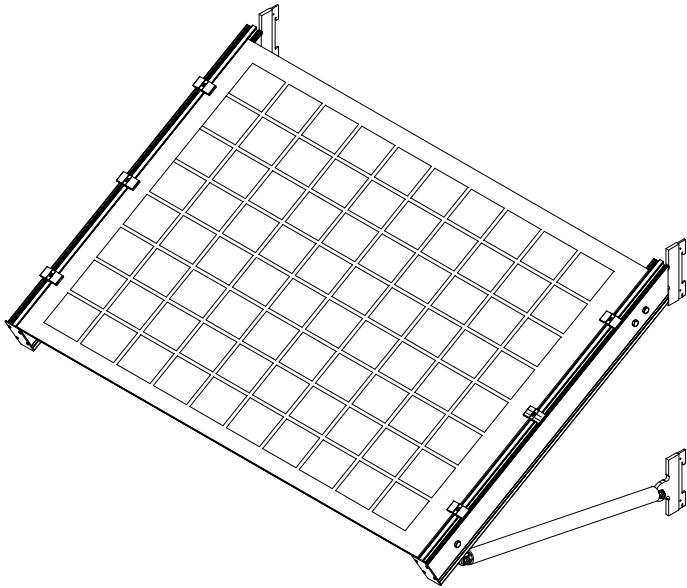


n = AANTAL BS 30 SOLAR PANELEN
n = NOMBRE DE BS 30 SOLAR PANNEAUX
n = NUMBER OF BS 30 SOLAR PANELS
n = ANZAHL DER BS 30 SOLAR LADEN

			#		
038.0311.XX			n + 1	L - 3	56L.G. ...
0B0.2503.XX			n + 1	56L.E. ...	56L.G. ...
034.0536.XX			n + 1	L - 3 - (93.4 tg a)	56L.G. ...

l=L-15
b=B-26

		#	
075.6208.39		n+1	56L.G. ...
050.5119.--		2x(n+1)	56L.G. ...
075.6209.39		n+1	56L.G. ...
058.5944.--		2x(n+1)	56L.G. ...
075.6211.XX		n+1	56L.G. ...
050.5119.--		2x(n+1)	56L.G. ...
075.6605.XX		n+1	56L.G. ...
052.5311.--		4(n+1)	56L.G. ...
080.9745.04		(L+1)x n	56L.G. ...
021.5850.35		56L.F. ...	56L.G. ...
053.5462.--		56L.F. ...	56L.G. ...
075.6167.XX		n+1	56L.G. ...
075.6161.--		n+1	56L.G. ...
050.5205.--		3x(n+1)	56L.G. ...
079.5206.--		3x(n+1)	56L.G. ...
079.5206.--		3x(n+1)	56L.G. ...
079.5398.--		3x(n+1)	56L.G. ...
050.5215.--		56L.E. ...	56L.G. ...
073.5222.04		4xn	56L.G. ...



Max Load / dimensions	L max	B max
Windload (upwards)		
1200 N/m ²	1000	1500
Snowload		
900 N/m ²	1000	1500

X1 = I - X0 - 115

X2 = √ (X1² + 100²)

b = ... → tg b = $\frac{100}{X1}$

d = 90° - a

c = d - b

h1 = (cos c)x X2

X3 = √ (X2² - h1²)

X4 = $\frac{X3}{\cos 10^\circ}$

h2 = √ (X4² - X3²)

H = h1 + h2 + h3

L1 = X4 + X5

L2 = L1 - 47

L3 = L1 - 50

L = Total lenght configuration

I = Lenght PV-panel

H = Distance between the anchors

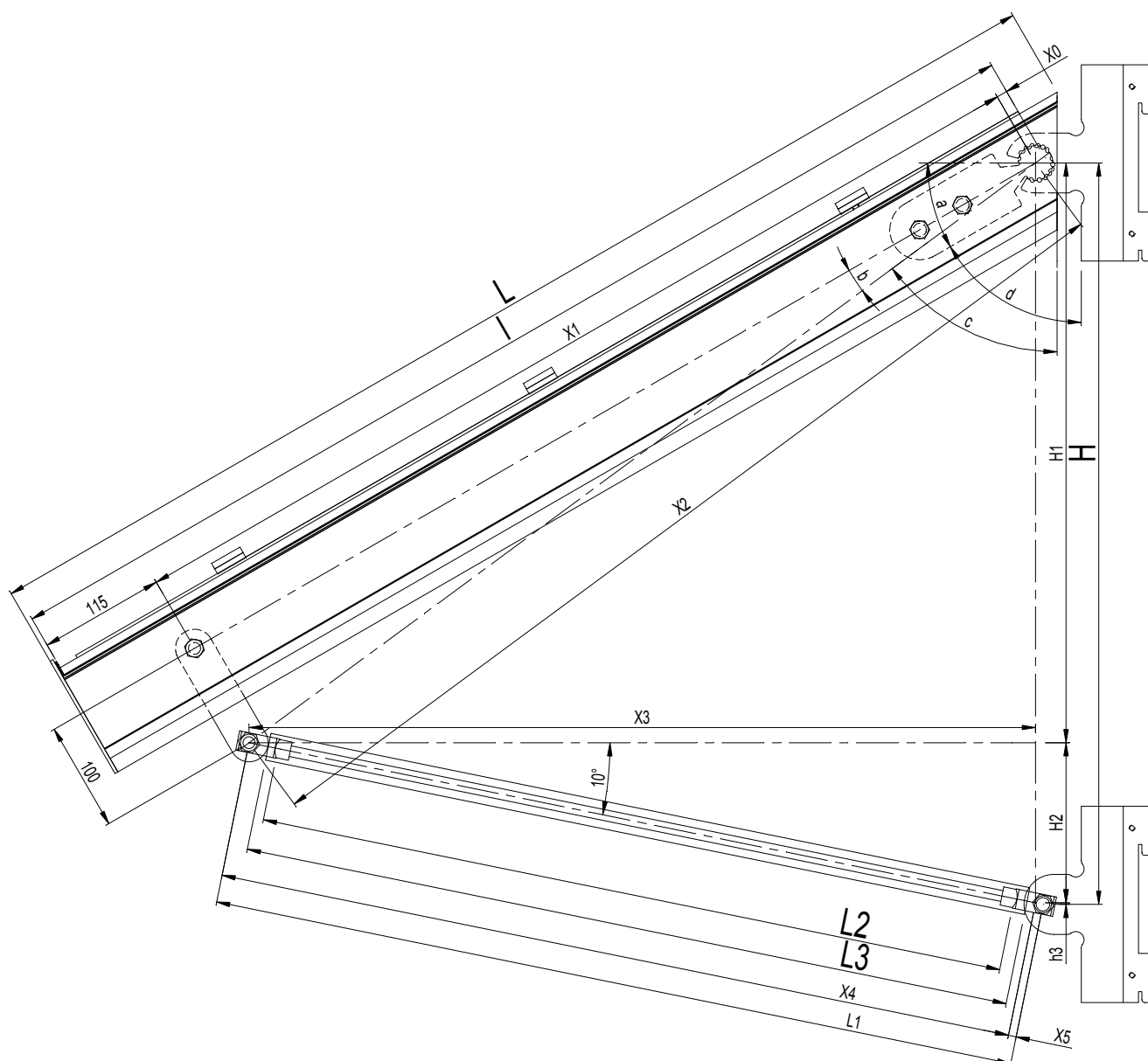
L2 = Lenght threaded rod

L3 = Lenght of reinforcement tube

h3 = 1.23

X5 = 7.1

X0 =	45.5	35°
	38.7	30°
	32.7	25°
	27.4	20°
	22.5	15°
	18	10°



F



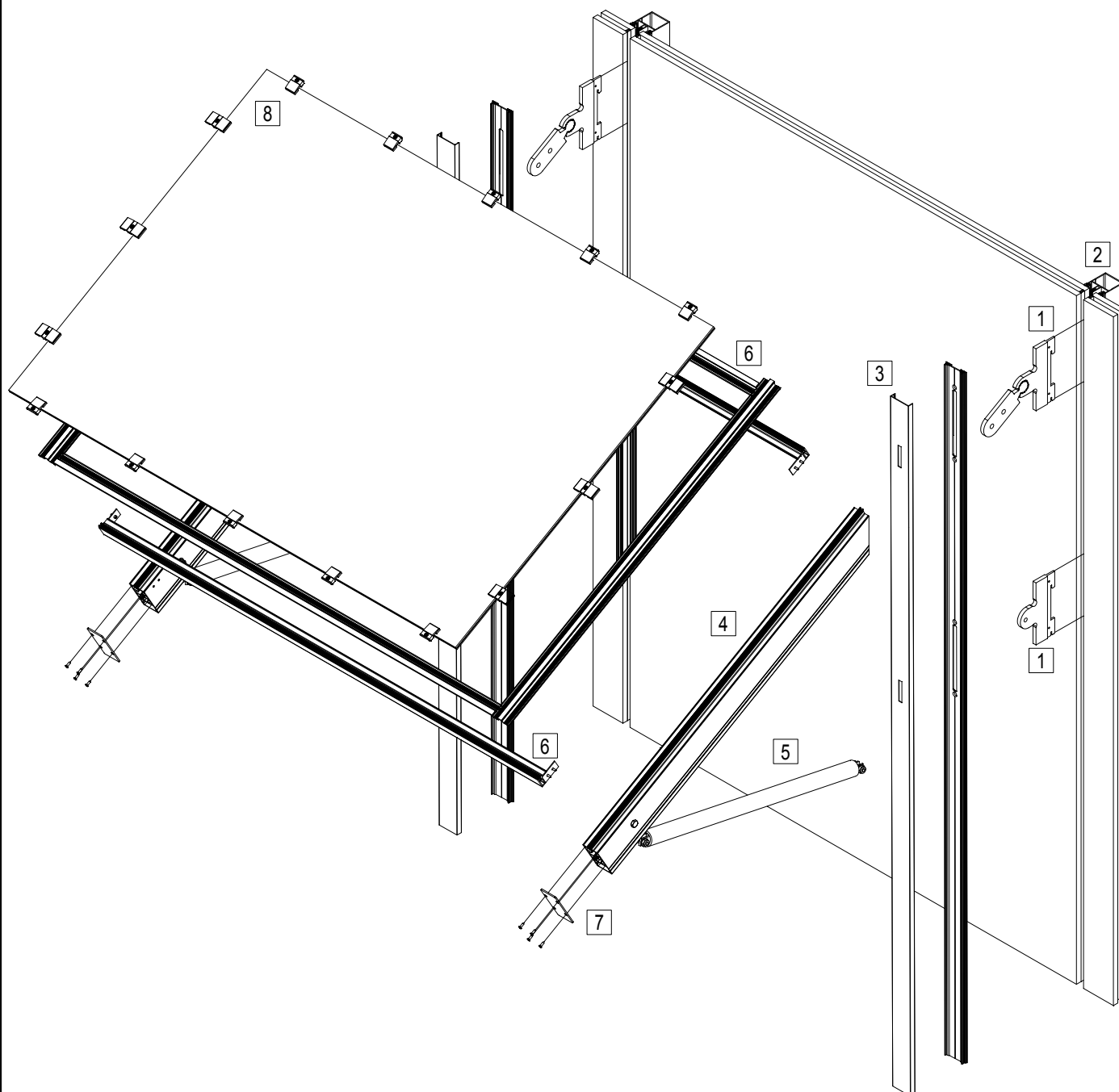
Reynaers
Aluminium

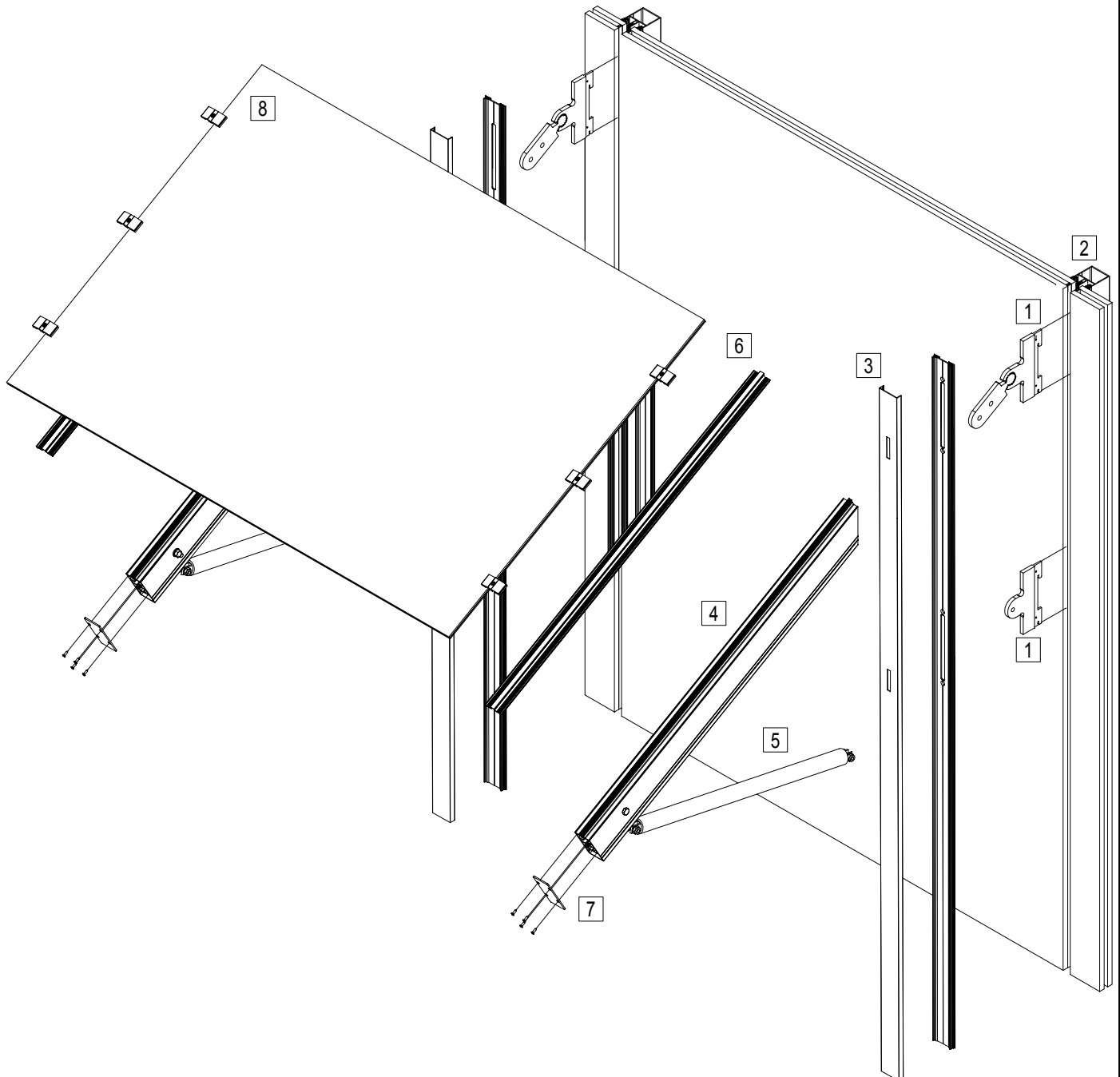
Montagetekeningen
Fabrication et montage
Assembly drawings
Montagezeichnungen

BS 30 Solar

BS 30 SOLAR MET DWARSPROFIEL
BS 30 SOLAR AVEC TRAVERSE
BS 30 SOLAR WITH TRANSOM
BS 30 SOLAR MIT RIEGELPROFIL

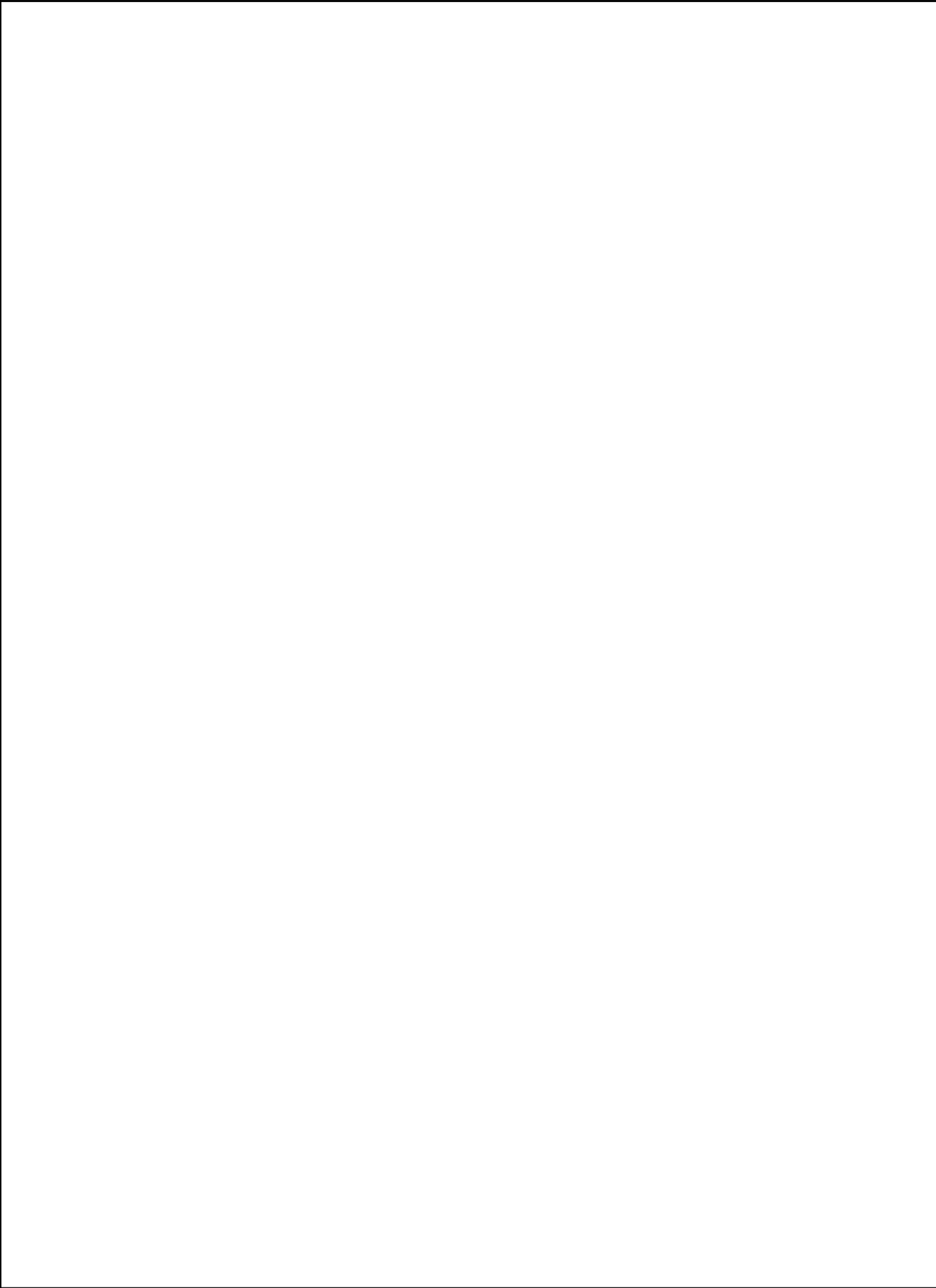






MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

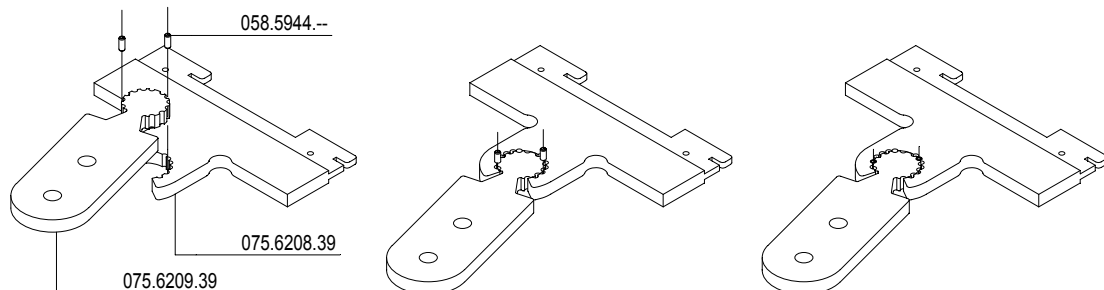
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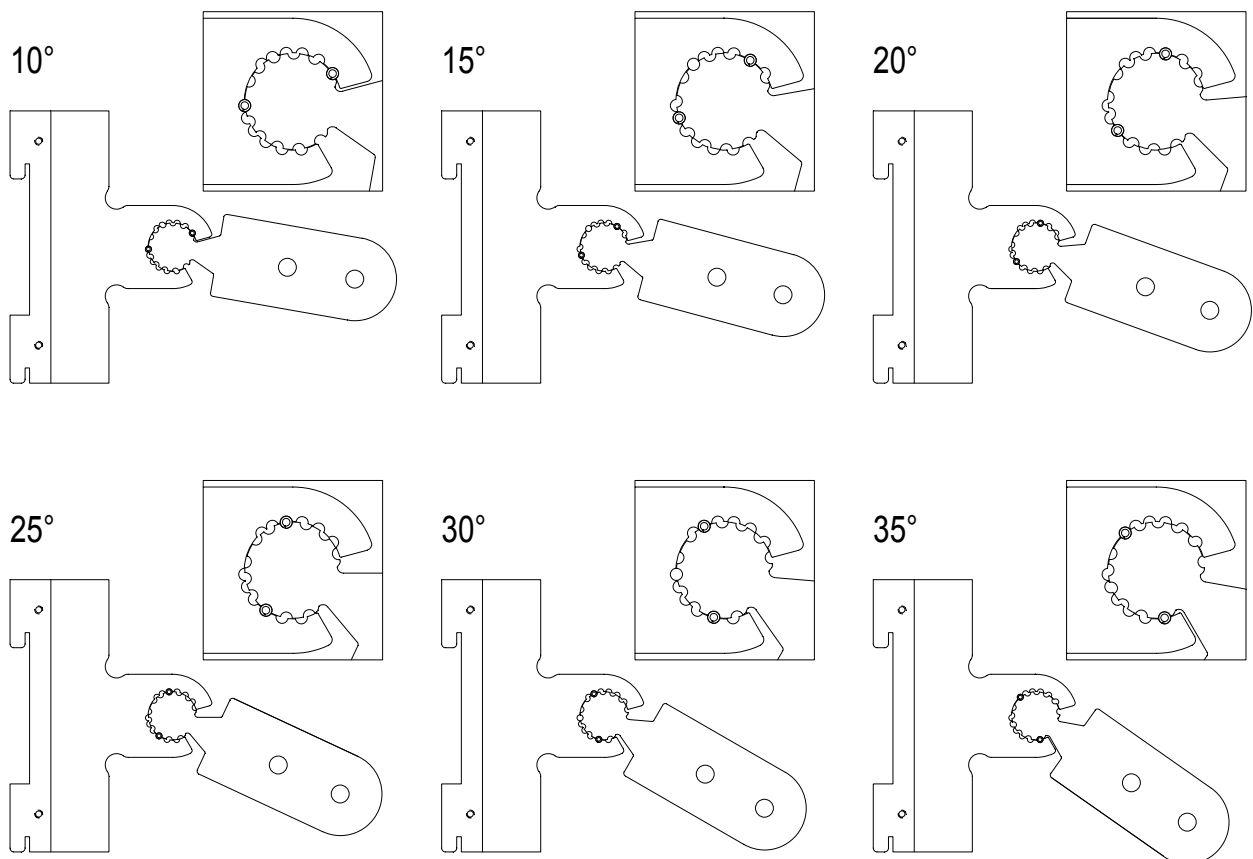
F

D007951

1



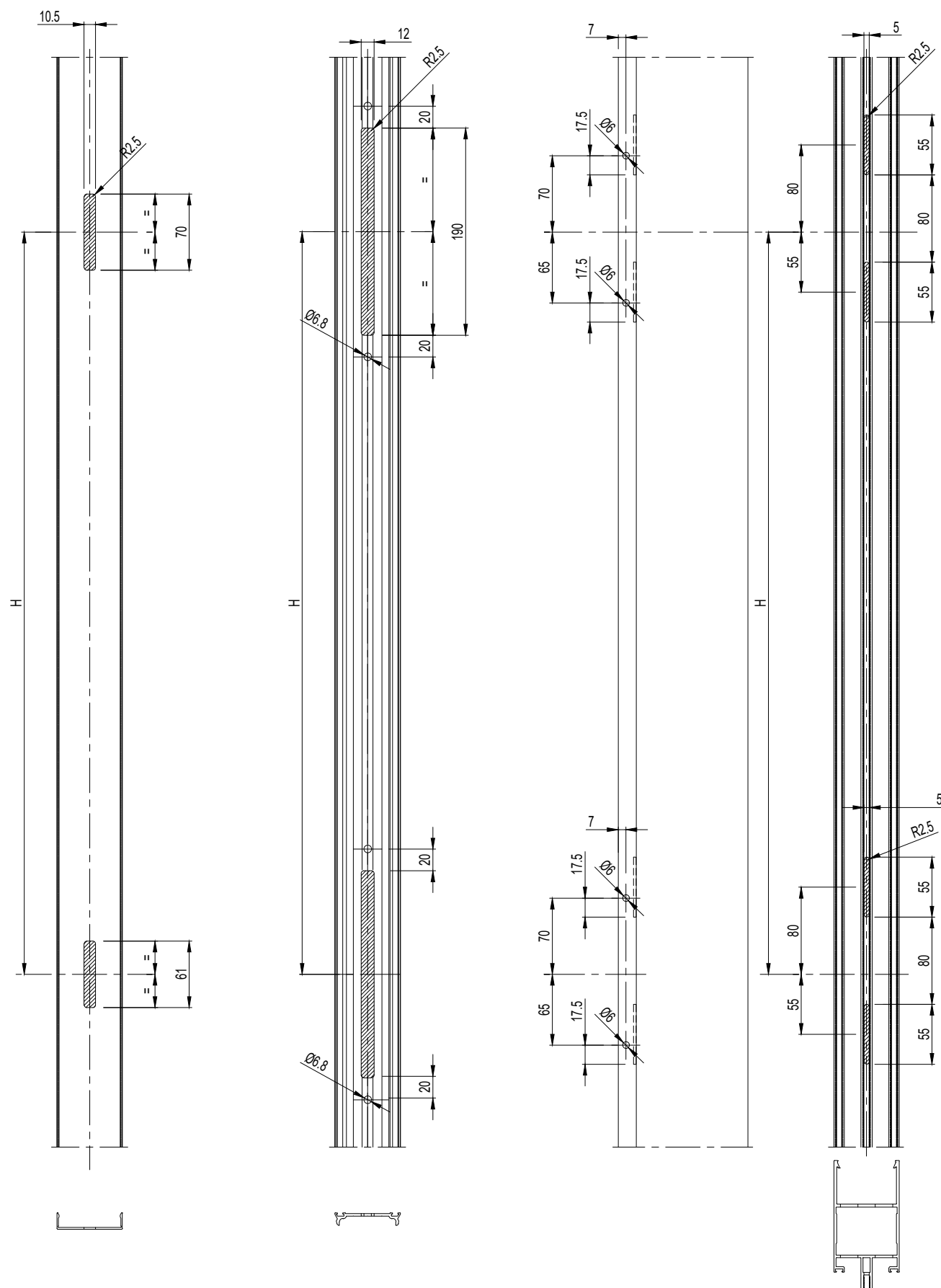
REGELBAAR ANKER
ANCRAGE REGLABLES
ADJUSTABLE ANCHOR
VERSTELLBAR ANKER



F

D0077951

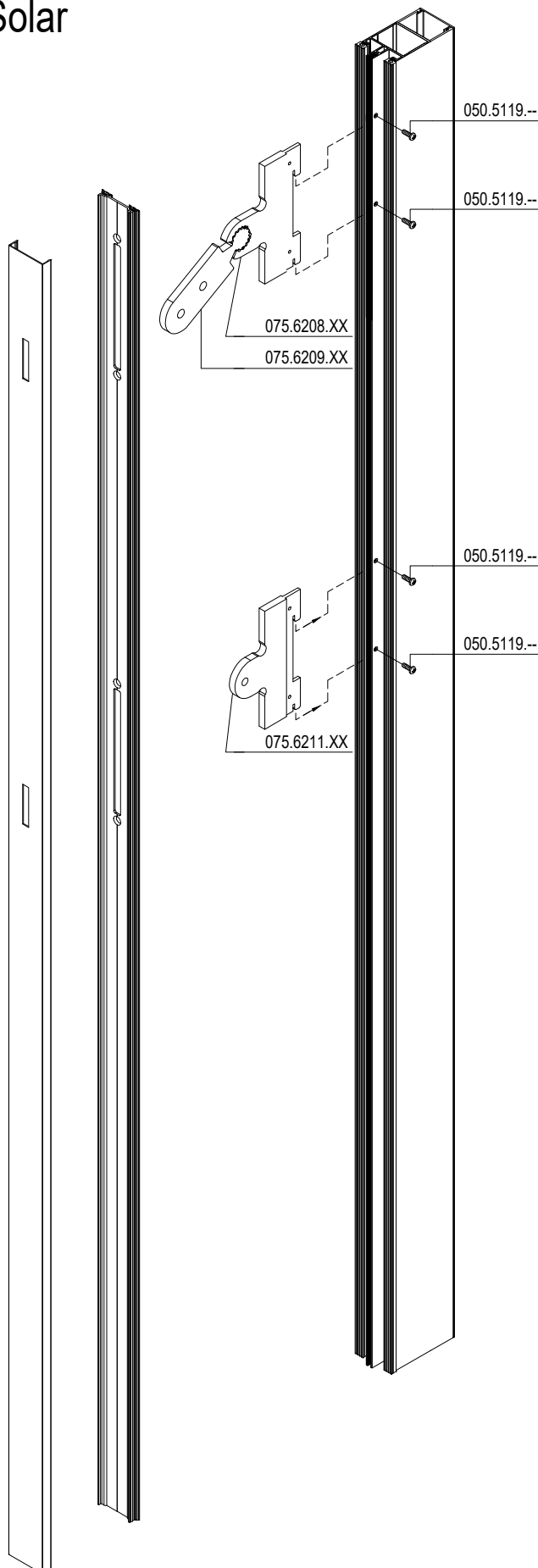
2 3 CW 60 Solar



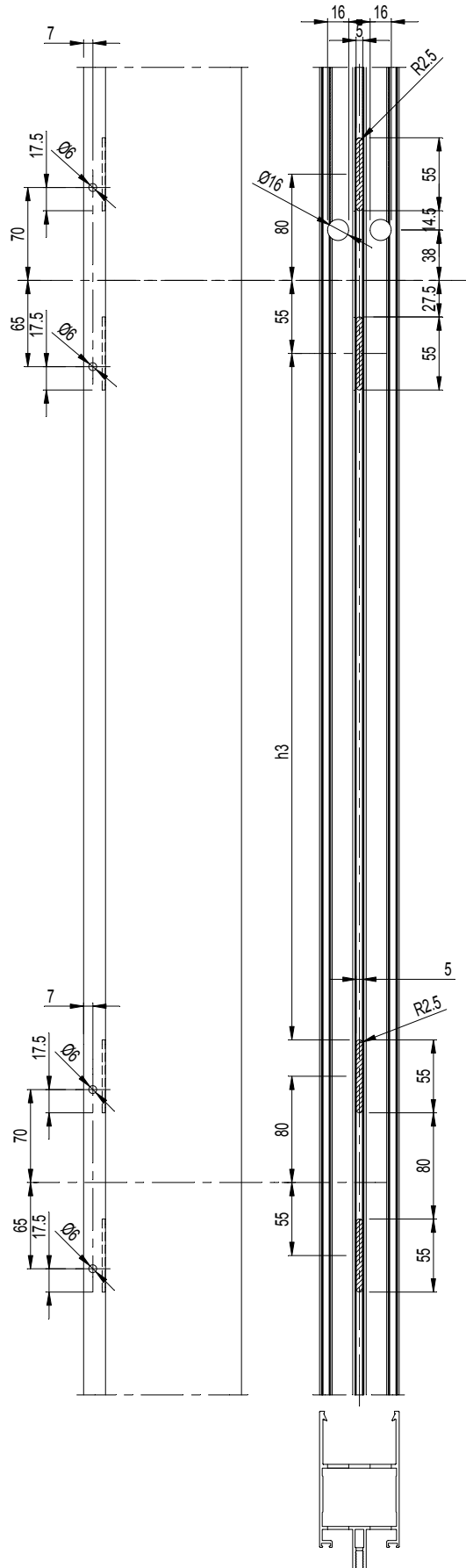
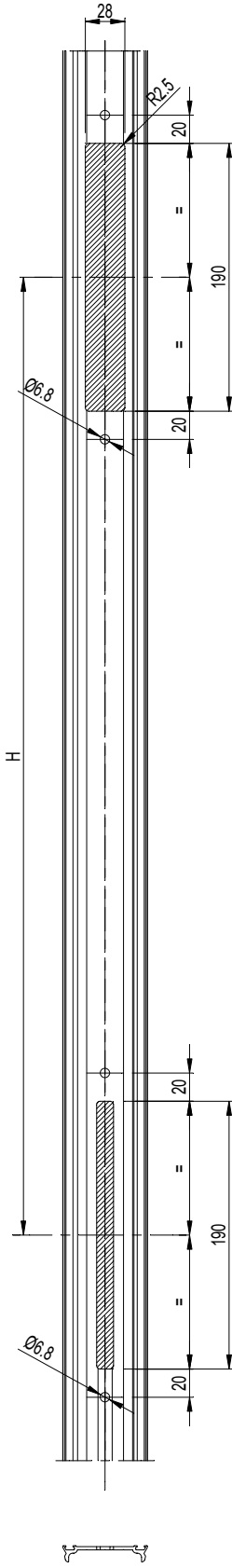
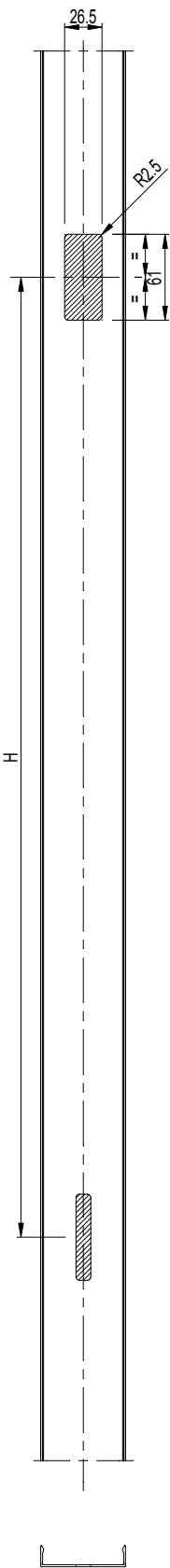
2

3

CW 60 Solar



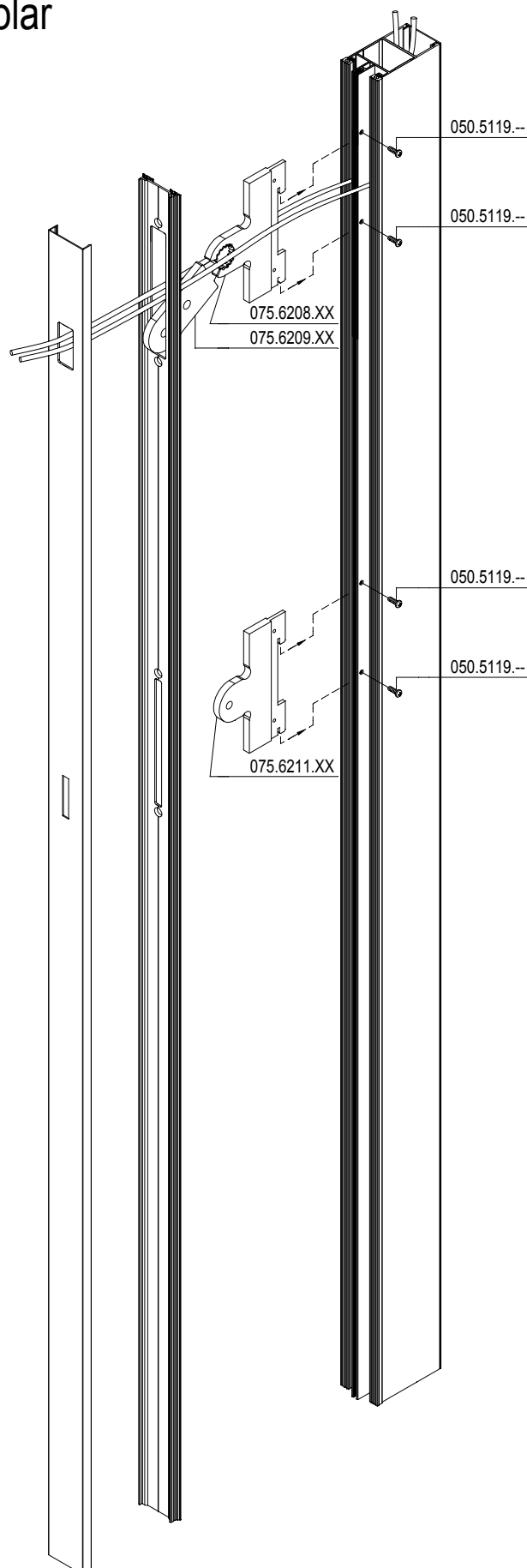
2 3 CW 60 Solar



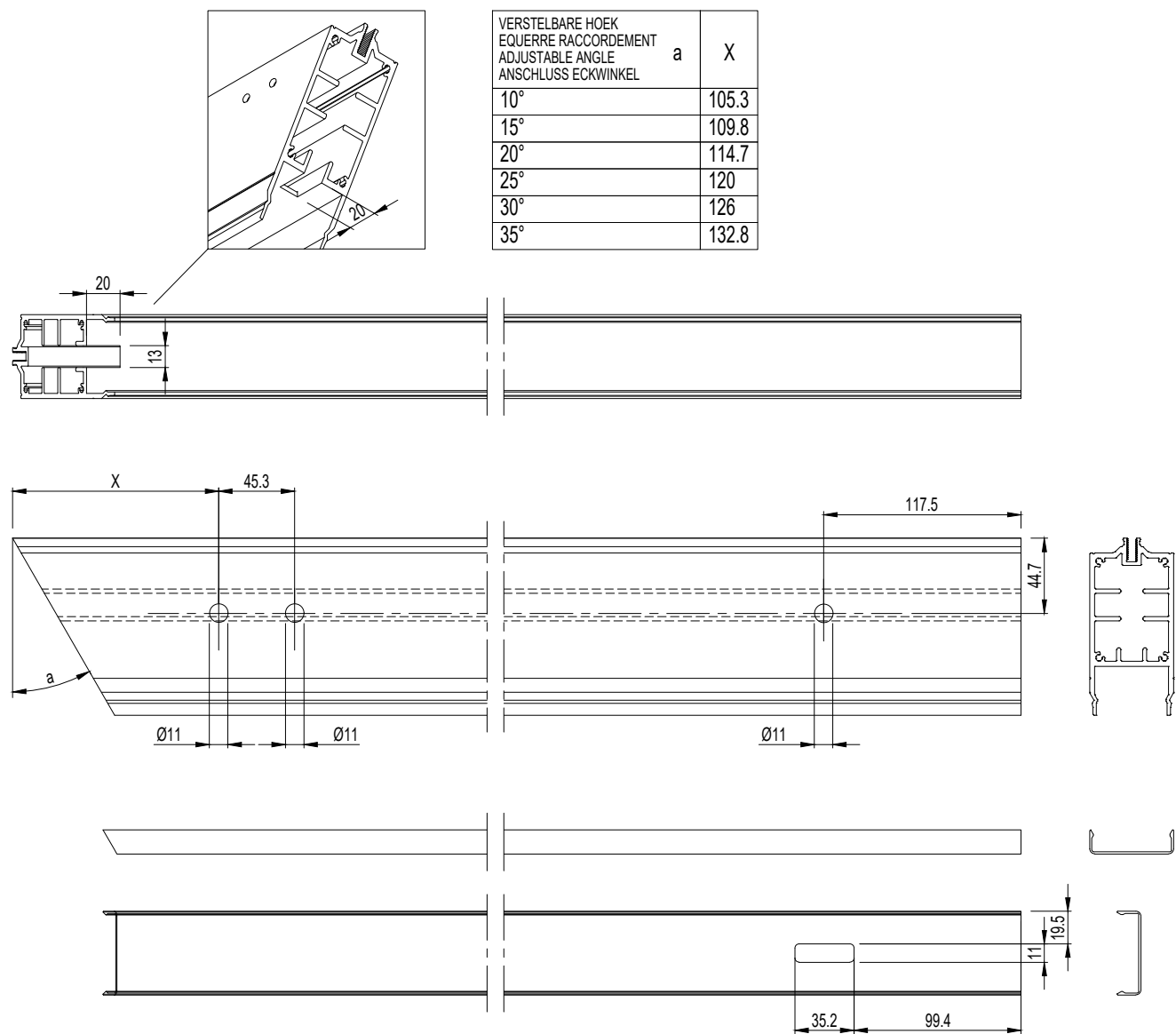
2

3

CW 60 Solar

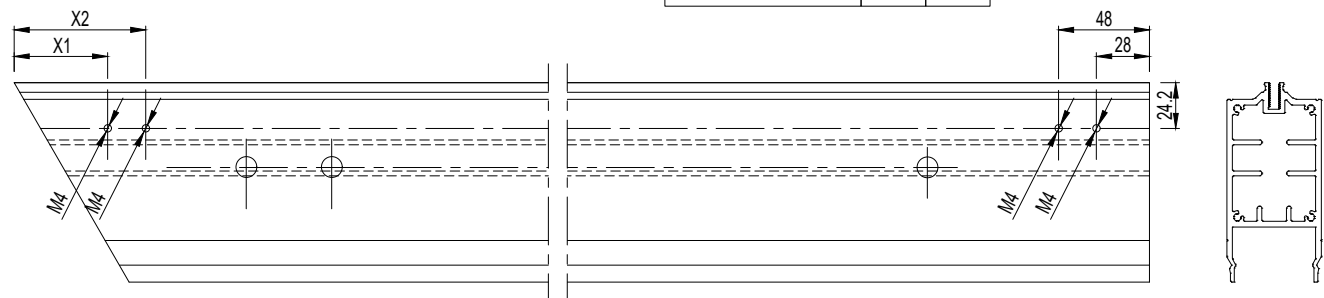


4



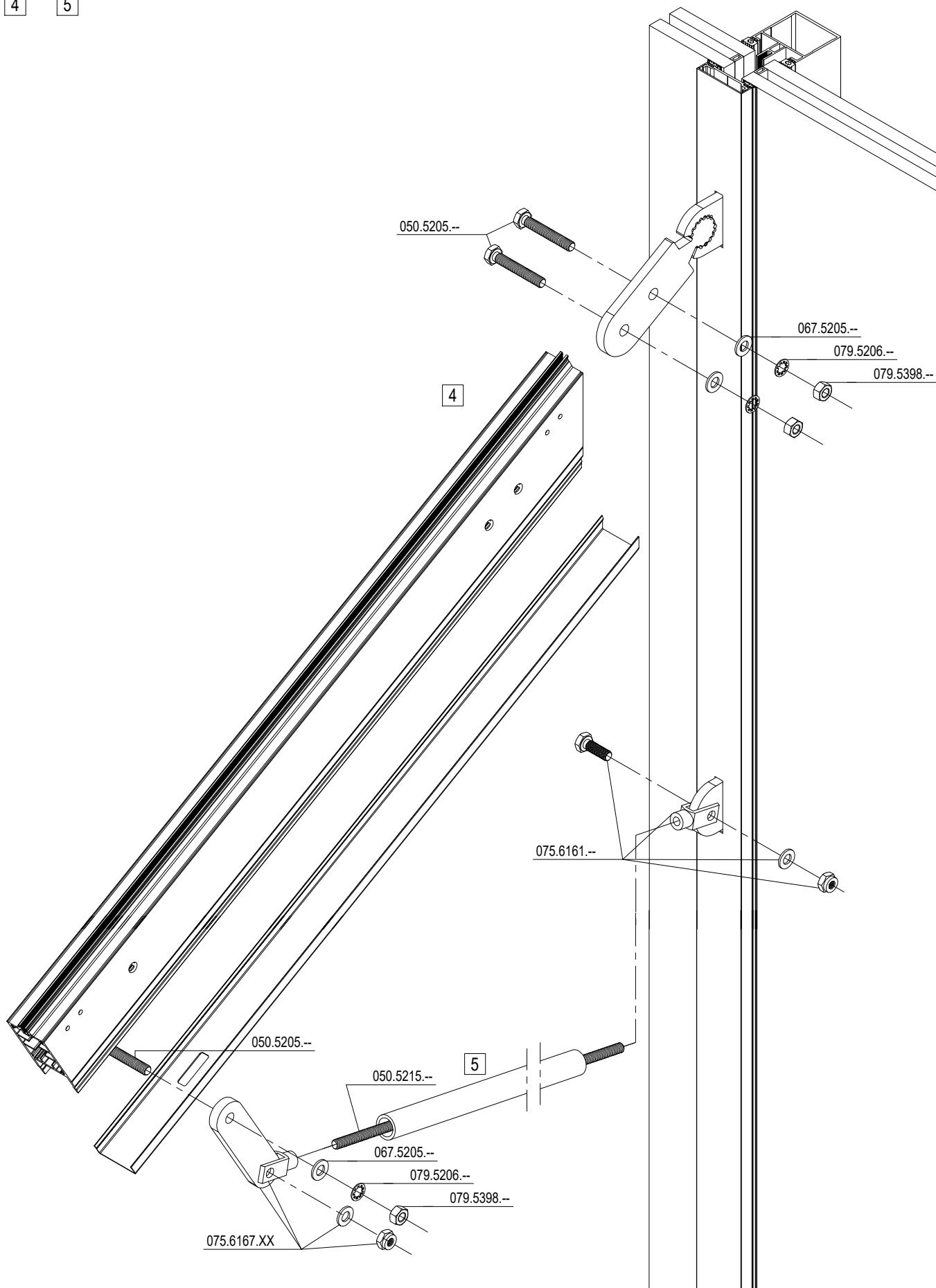
5 ENKEL VOOR BS 30 SOLAR MET DWARSPROFIEL
UNIQUEMENT POUR BS 30 SOLAR AVEC TRAVERSE
ONLY FOR BS 30 SOLAR WITH TRANSOM
NUR FUER BS 30 SOLAR MIT RIEGELPROFIL

VERSTELBARE HOEK EQUERRE RACCORDEMENT ADJUSTABLE ANGLE ANSCHLUSS ECKWINKEL	X1	X2
10°	34.5	54.5
15°	38	58
20°	41.5	61.5
25°	45.5	65.5
30°	49.5	69.5
35°	54	74



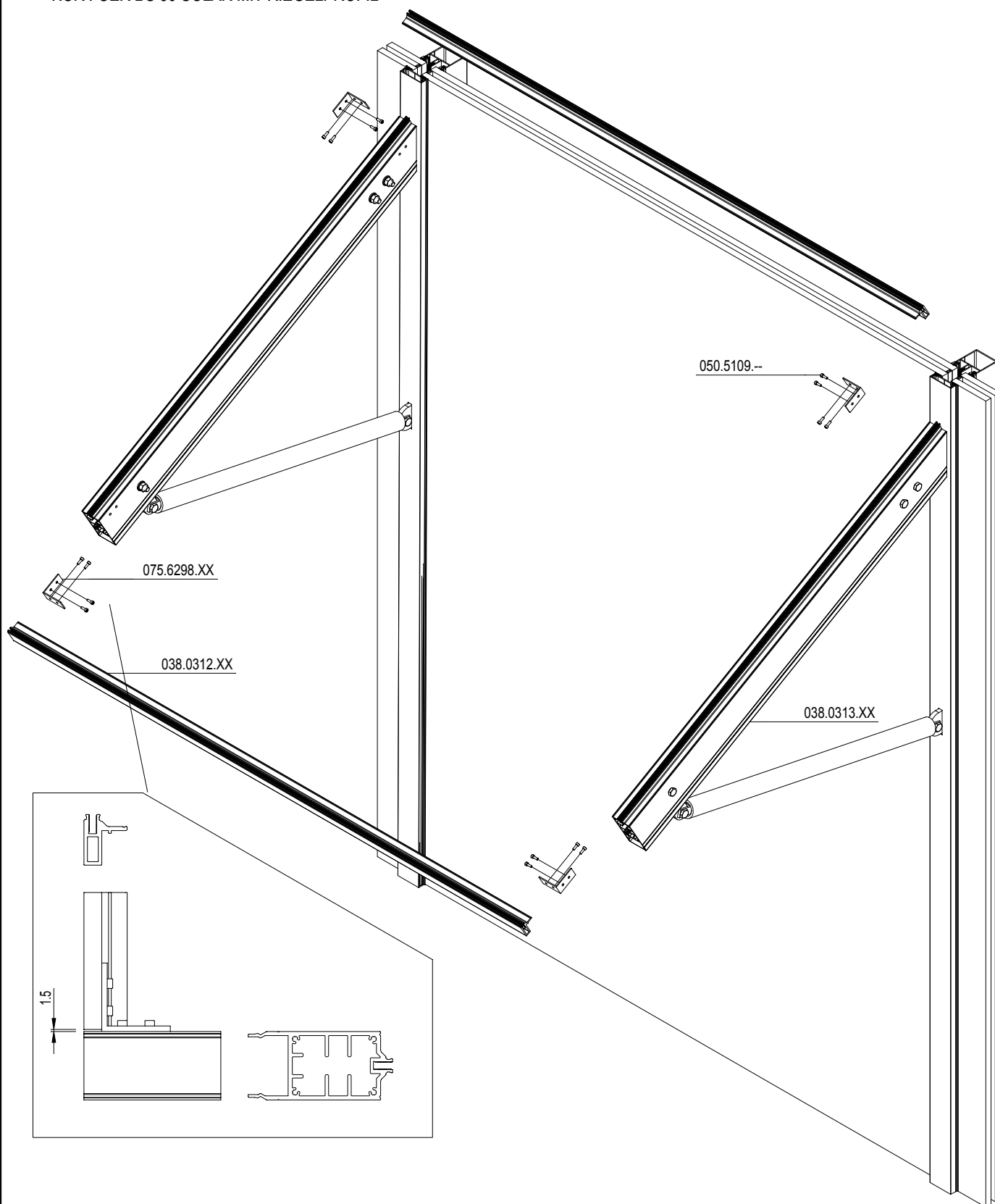
4

5



D0078214

- 6** ENKEL VOOR BS 30 SOLAR MET DWARSPROFIEL
UNIQUEMENT POUR BS 30 SOLAR AVEC TRAVERSE
ONLY FOR BS 30 SOLAR WITH TRANSOM
NUR FUER BS 30 SOLAR MIT RIEGELPROFIL

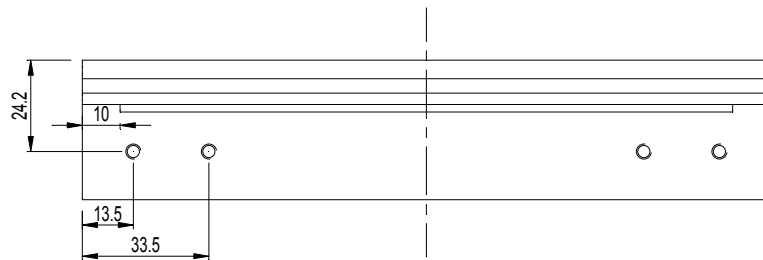
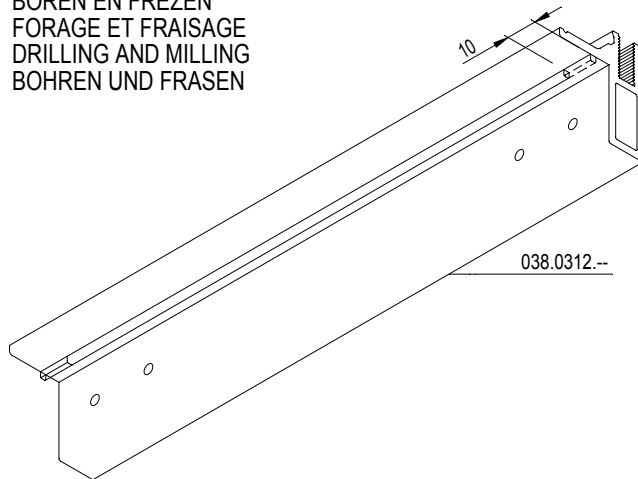


MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

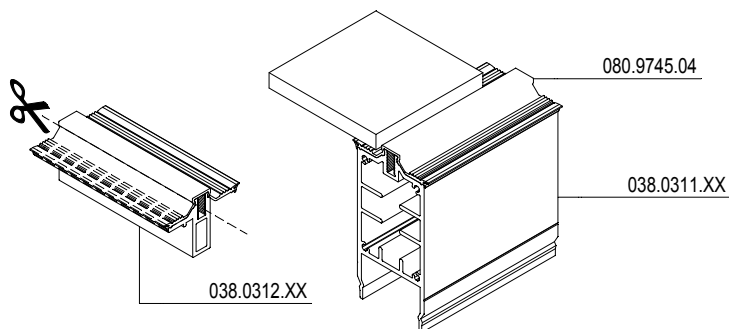
1 2 3 .

D0078005

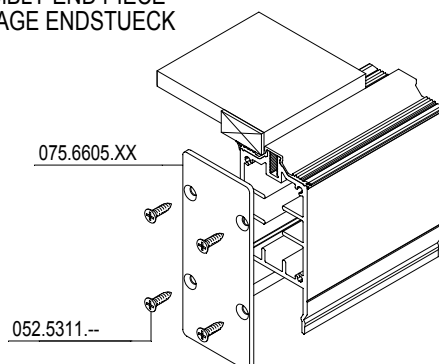
6 BOREN EN FREZEN
FORAGE ET FRAISAGE
DRILLING AND MILLING
BOHREN UND FRASEN



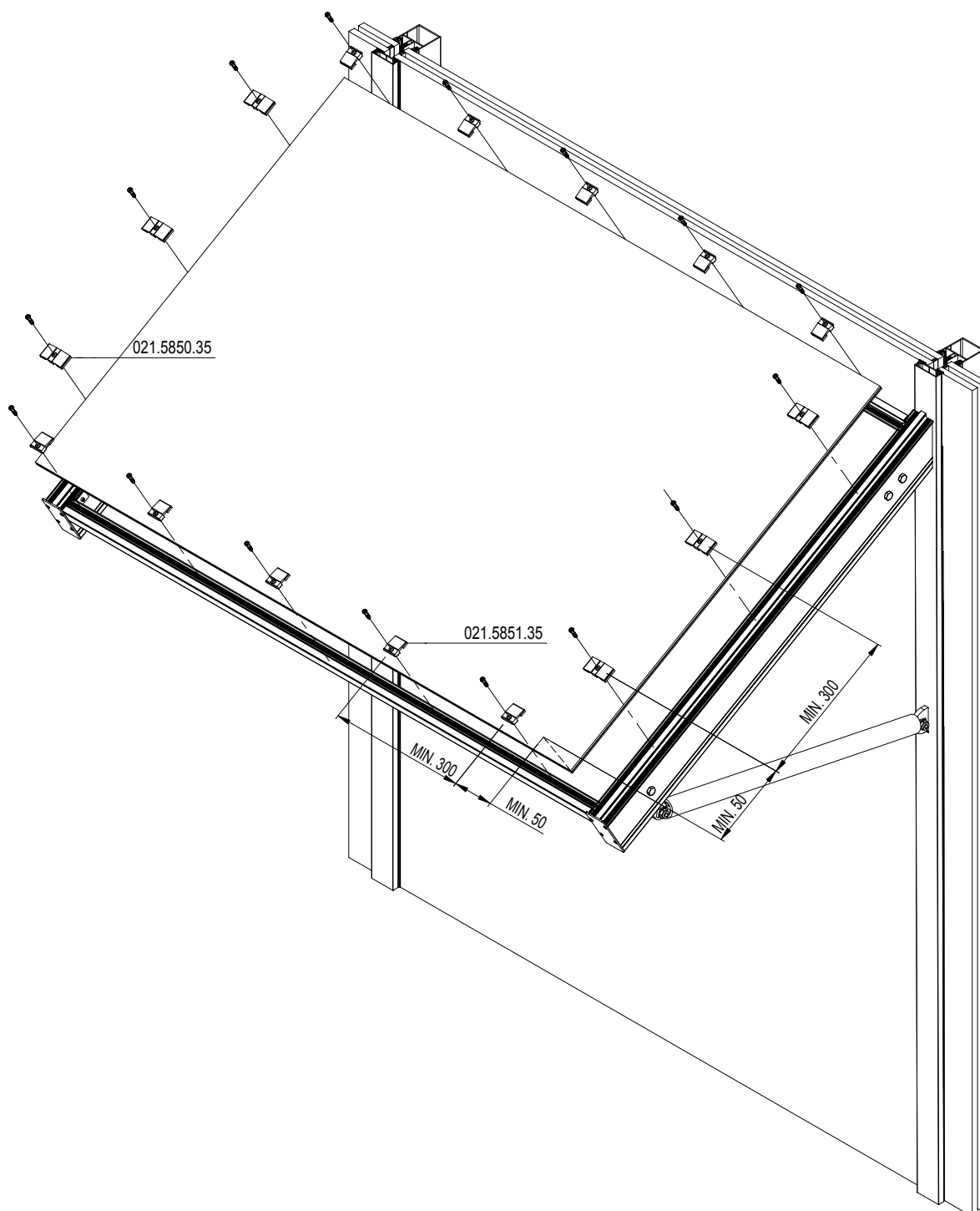
SNIJDEN DICTINGEN
DECOUPER LES JOINTS
CUTTING GASKETS
SCHNEIDEN DER DICHTUNGEN



7 MONTAGE EINDSTUK
ASSEMBLAGE PIECE FINAL
ASSEMBLY END PIECE
MONTAGE ENDSTUECK



- 8 ENKEL VOOR BS 30 SOLAR MET DWARSPROFIEL
UNIQUEMENT POUR BS 30 SOLAR AVEC TRAVERSE
ONLY FOR BS 30 SOLAR WITH TRANSOM
NUR FÜR BS 30 SOLAR MIT RIEGELPROFIL

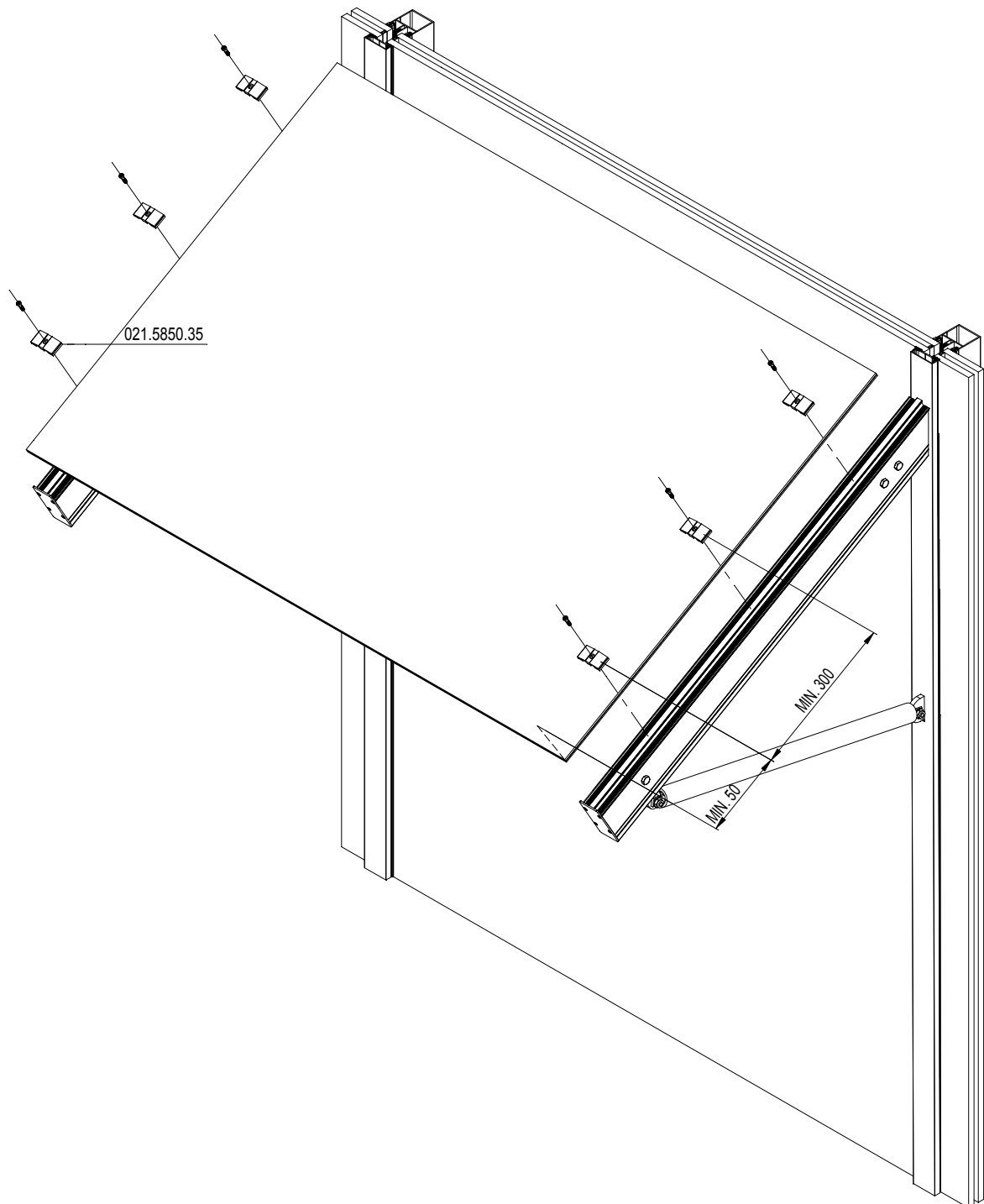


MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

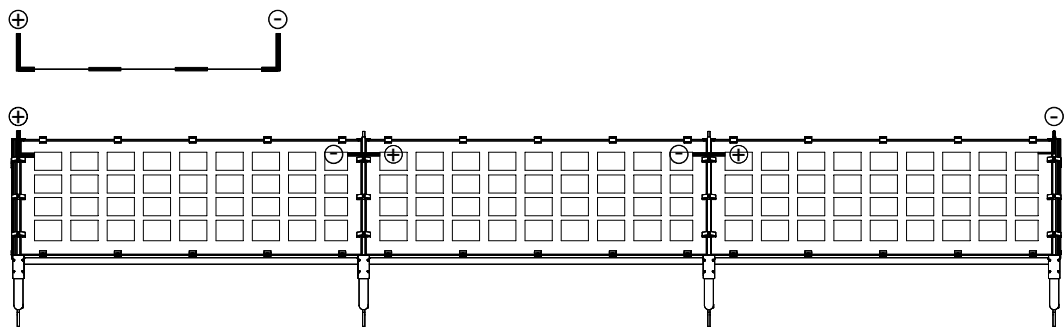
1 2 3 .

D007960

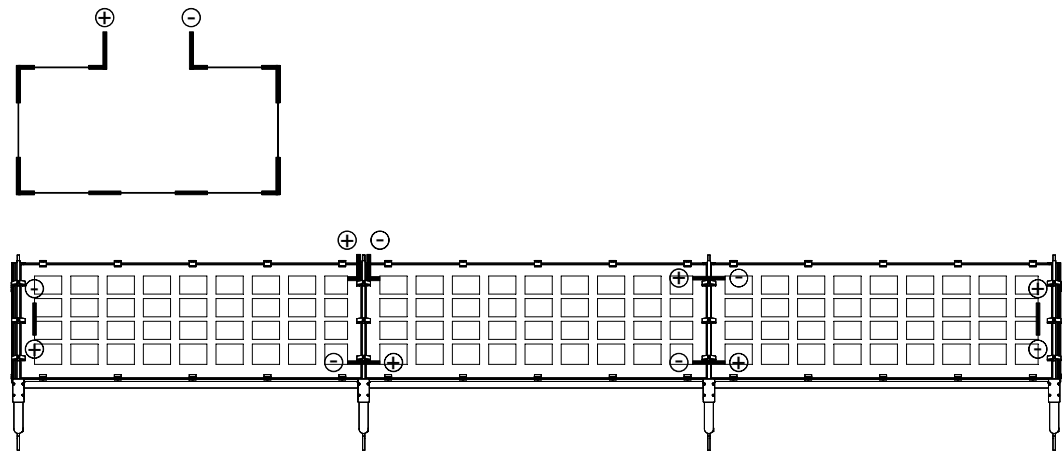
- 8 ENKEL VOOR BS 30 SOLAR ZONDER DWARSPROFIEL
UNIQUEMENT POUR BS 30 SOLAR SANS TRAVERSE
ONLY FOR BS 30 SOLAR WITHOUT TRANSOM
NUR FÜR BS 30 SOLAR OHNE RIEGELPROFIL



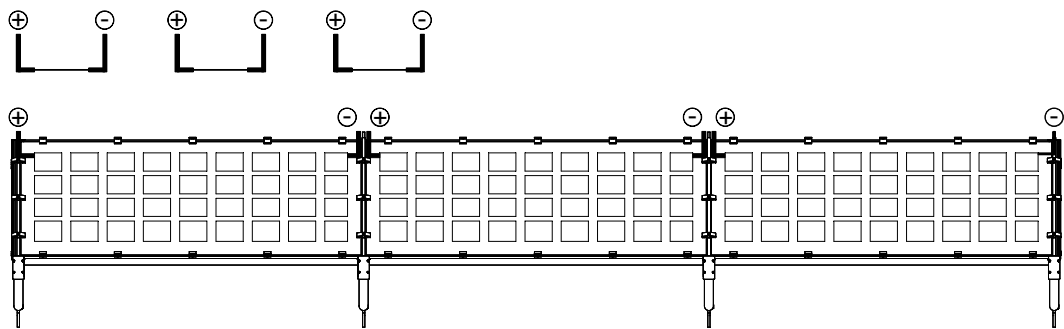
VARIANT A
VARIANTE A
VARIANT A
VARIANTE A

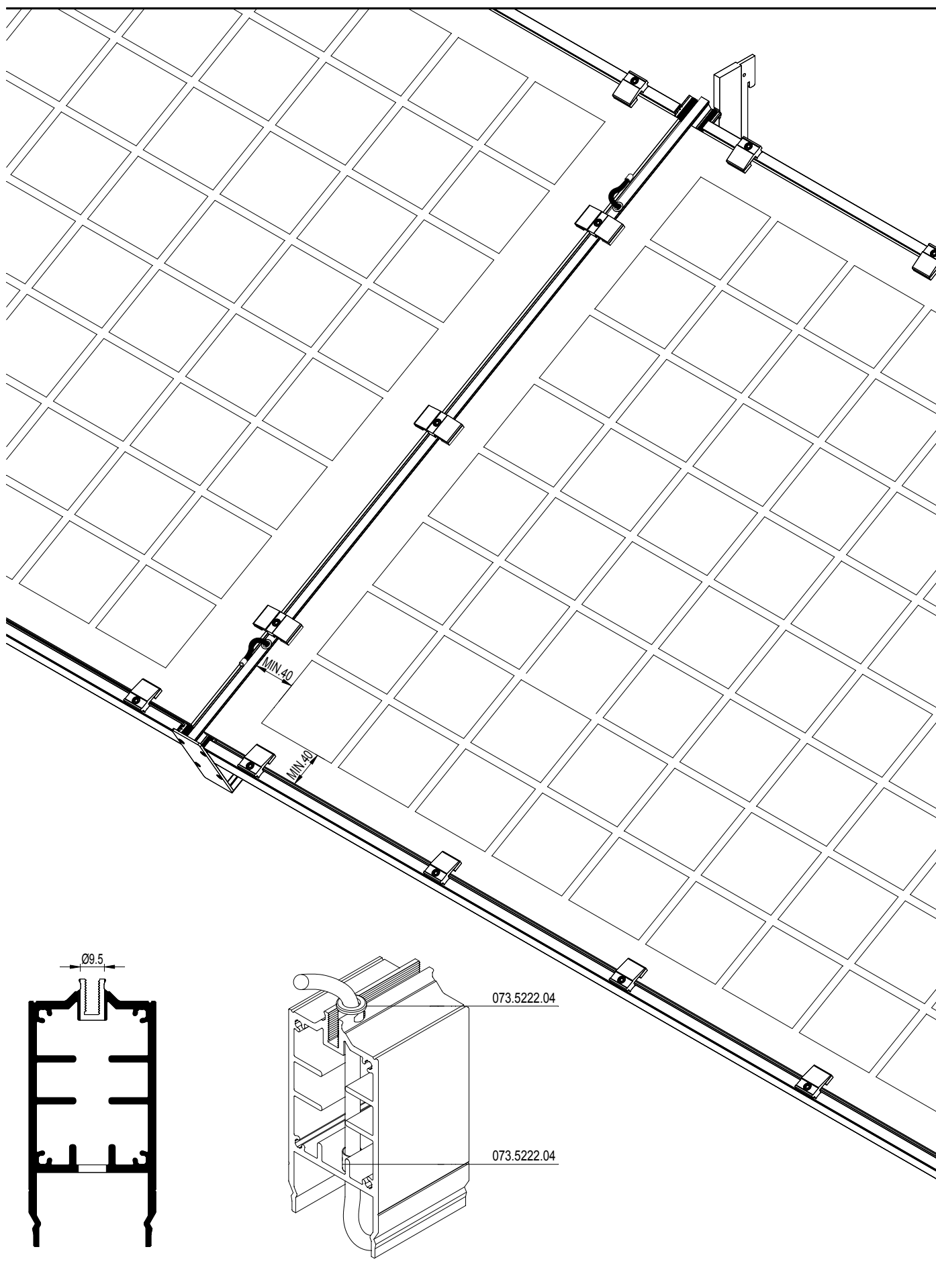


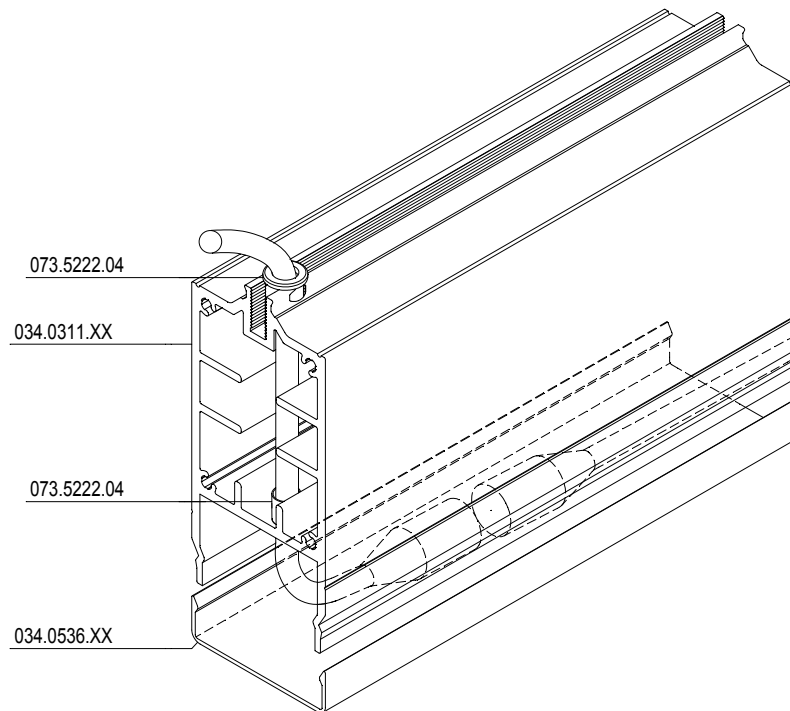
VARIANT B
VARIANTE B
VARIANT B
VARIANTE B



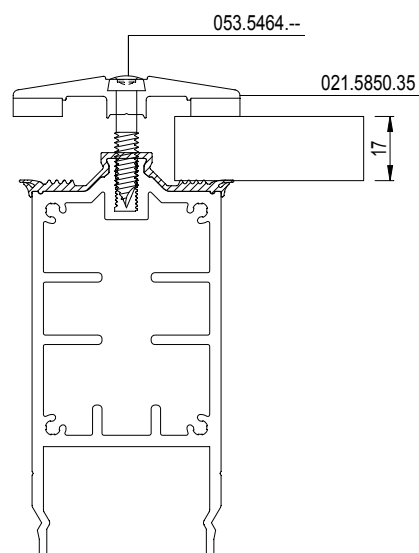
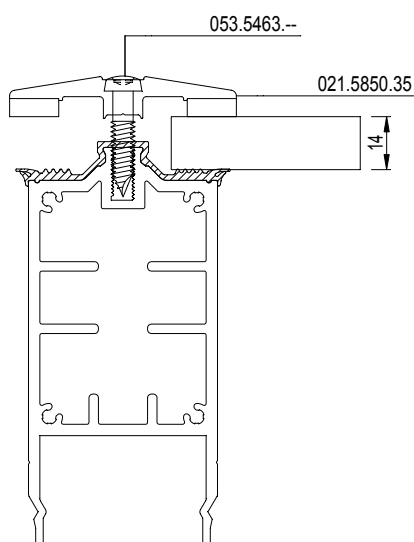
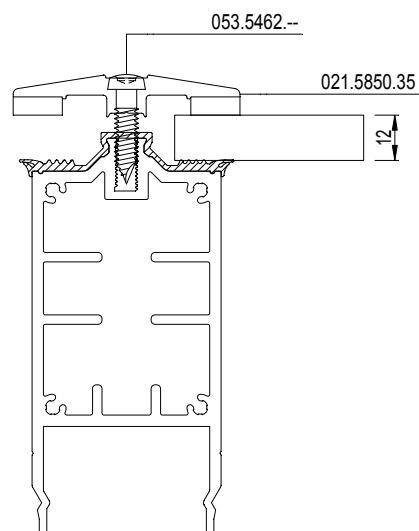
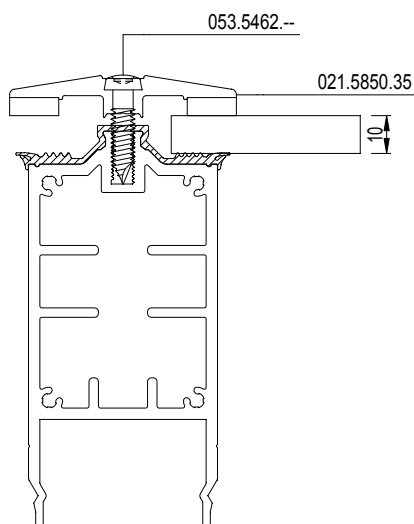
VARIANT C
VARIANTE C
VARIANT C
VARIANTE C



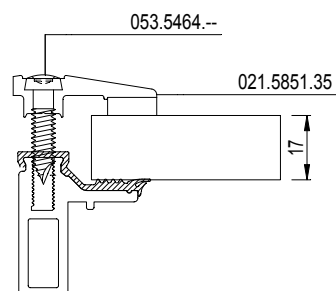
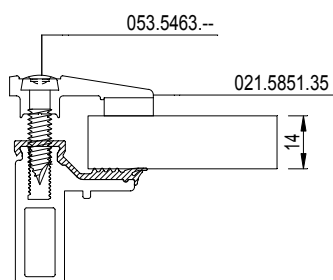
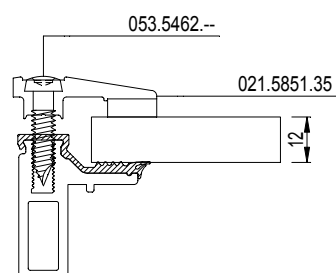
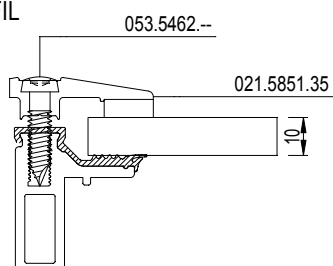




BEVESTIGING GLAS
FIXATION VERRE
FIXINGS GLASS
BEFESTIGUNG GLAS



ENKEL VOOR BS 30 SOLAR MET DWARSPROFIEL
UNIQUEMENT POUR BS 30 SOLAR AVEC TRAVERSE
ONLY FOR BS 30 SOLAR WITH TRANSOM
NUR FUER BS 30 SOLAR MIT RIEGELPROFIL



G

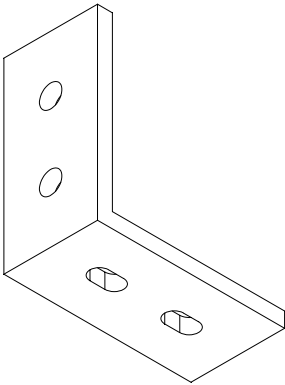
R

Reynaers
Aluminium

Toebehoren
Accessoires
Accessories
Zubehör

Art. N°			Art. N°		
021.5850.35	56L.G.004	D0077797			
021.5851.35	56L.G.004	D0077797			
050.5215.-	56L.G.008	D0077800			
073.5222.04	56L.G.007	D0077799			
075.6161.-	56L.G.008	D0077800			
075.6167.XX	56L.G.008	D0077800			
075.6208.39	56L.G.006	D0077794			
075.6209.39	56L.G.006	D0077794			
075.6211.XX	56L.G.008	D0077800			
075.6298.XX	56L.G.002	D0077795			
075.6605.XX	56L.G.003	D0077796			
080.9745.04	56L.G.005	D0077798			

[illegible]



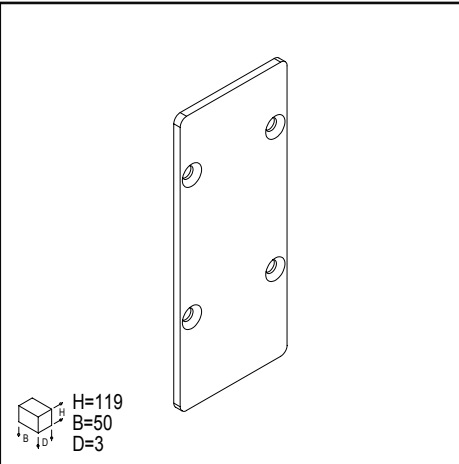
H=50
B=50
D=4

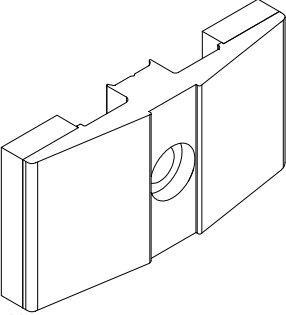
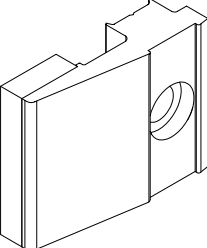
075.6298.XX

HOEK
EQUERRE
CORNER
ECKE

BS 30 Solar

D0077795

				
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 	021.5850.35 KLEMSTUK HL 60MM CLIP HL 60MM CLIP HL 60MM BEFESTIGUNGSKLOTZ HL 60MM	CW 50-HL CW 60 CW 50-FV BS 30 Solar	
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D007797

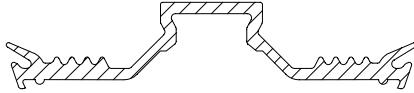


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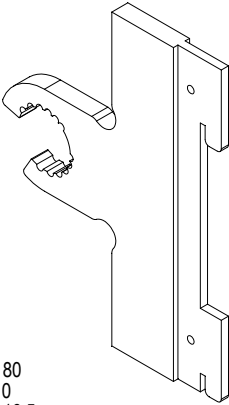
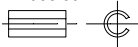
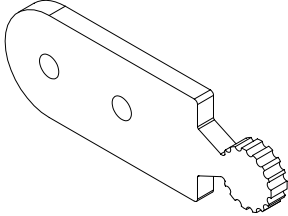
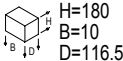
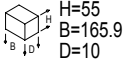
BEGLAZINGSDICHTING
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG

CW 50
034.0551.XX

BS 30 Solar



H=11.5
B=54.3

		075.6208.39 GEVELBEVESTIGING CW50 10°-35° FIXATION FAÇADE CW50 10°-35° FIXATION CURTAIN WALL CW50 10°-35° FASADEBEFESTIGUNG CW50 10°-35°		BS 30 Solar	 2 st./pc 058.5944.--  DIN 1481 Ø4 x 10
		075.6209.39 GEVELBEVESTIGING CW50 10°-35° FIXATION FAÇADE CW50 10°-35° FIXATION CURTAIN WALL CW50 10°-35° FASADEBEFESTIGUNG CW50 10°-35°		BS 30 Solar	
					
					



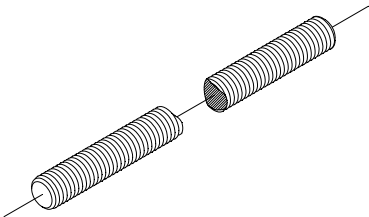
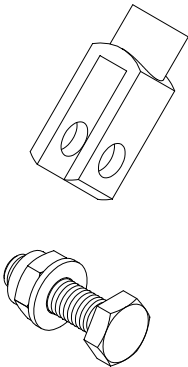
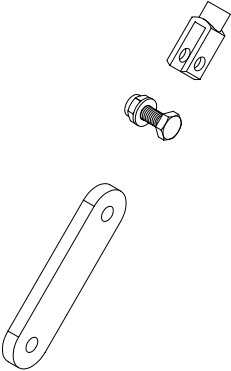
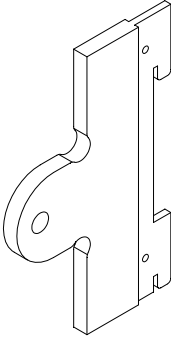
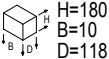
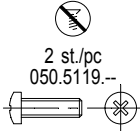
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RONDEL
RONDELLE
WASHER
SCHEIBE

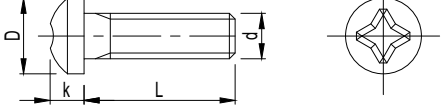
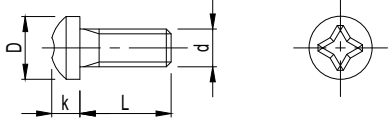
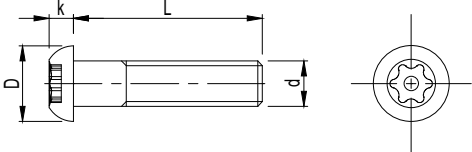
BS 100 Solar
BS 30 Solar

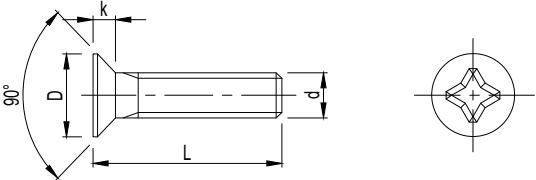
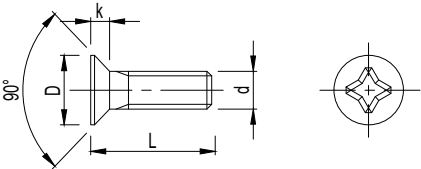
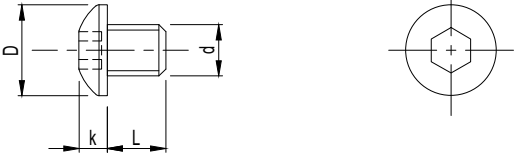


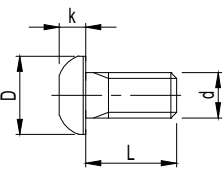
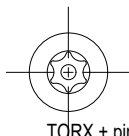
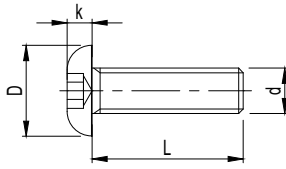
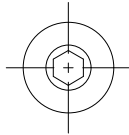
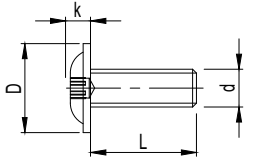
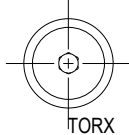
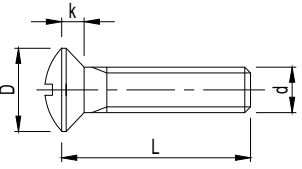
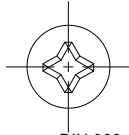
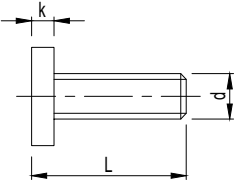
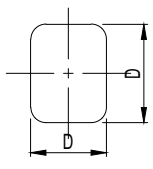
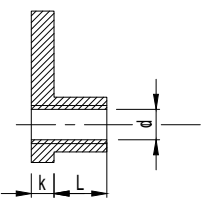
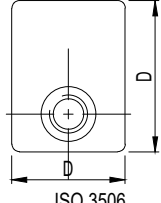
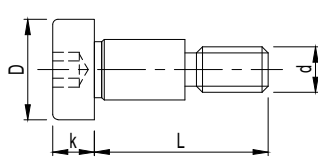
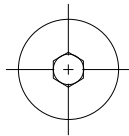
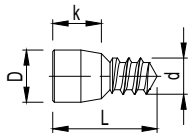
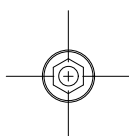
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B=Ø11.9

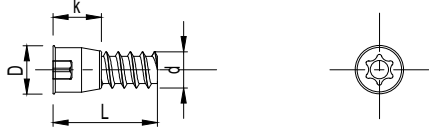
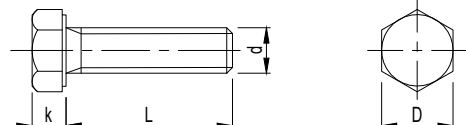
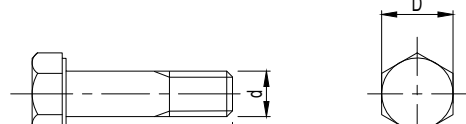
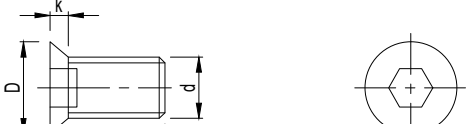
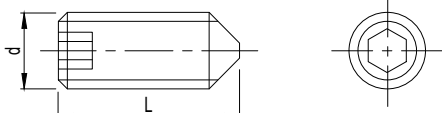
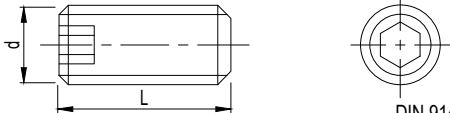
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 	075.6161.-- BEVESTIGING FIXATION FIXINGS BEFESTIGUNG	BS 100 BS 30 BS 30 Solar		
	075.6167.XX BEVESTIGINGSSET DRAADSTANG SET DE FIXATION BARRE FILETEE FIXATION SET THREADED ROD BEFESTIGUNGSSATZ GEWINDESTANGE	BS 100 038.0100.XX 038.0210.XX BS 30 038.0210.XX 038.0310.XX 038.0315.XX 038.0320.XX BS 30 Solar		
 	075.6211.XX BEVESTIGINGSSTUK PIECE DE FIXATION FIXING PIECE BEFESTIGUNGSSTUECK	CW 50 BS 100 BS 30 BS 30 Solar	 2 st./pc 050.5119.-- DIN 7985 M5 x 12	

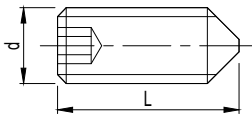
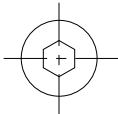
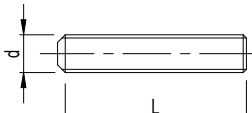
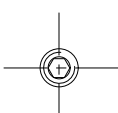
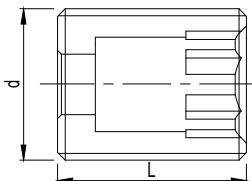
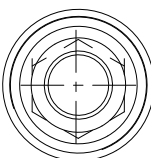
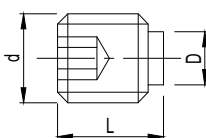
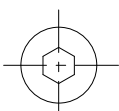
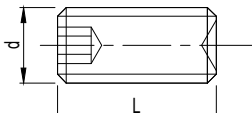
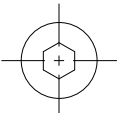
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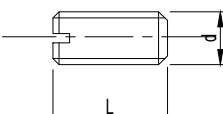
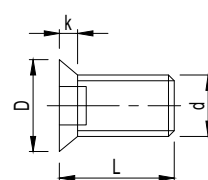
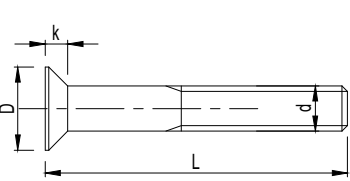
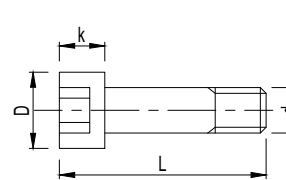
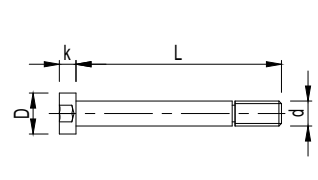
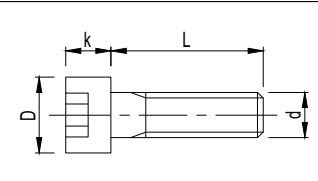
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	050.5092.--	M4	8	3.1	8
	050.5109.--	M4	12	3.1	8
	050.5066.--	M4	14	2.5	6.5
	050.5019.--	M4	18	3.1	8
	050.5035.--	M4	60	3.1	8
	050.5010.--	M5	6	3.8	10
	050.5110.--	M5	8	3.8	10
	050.5106.--	M5	10	3.8	9.8
	050.5016.--	M5	12	3.8	10
	050.5013.--	M5	16	3.8	10
	050.5014.--	M5	20	3.8	10
	050.5111.--	M6	8	4.6	12
	050.5116.--	M6	16	4.6	12
	050.5112.--	M6	25	4.6	12
	050.5113.--	M6	115	4.6	10
DIN 7985 ISO 7045					
	050.5118.--	M5	6	3.8	10
	050.5117.--	M5	8	3.8	10
	050.5119.--	M5	12	3.8	10
	050.5026.--	M5	14	3.8	10
	050.5020.--	M5	16	3.8	9.5
SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE					
DIN 7985 ISO 7045					
	030.5039.--	M6	20	3.2	10
	030.5040.--	M6	25	3.2	10
	030.5041.--	M10	40	5.2	17.5
BEVEILIGINGSSCHROEF SÉCURITÉ VIS SECURITY SCREW SICHERHEITSSCHRAUBE					
TORX + pin ISO 14583					

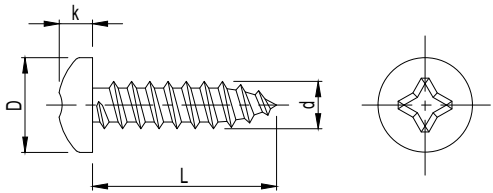
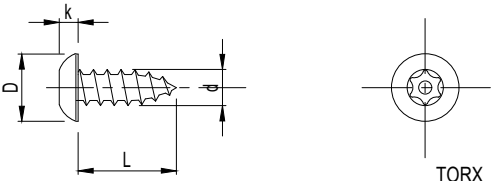
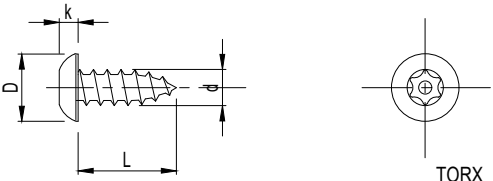
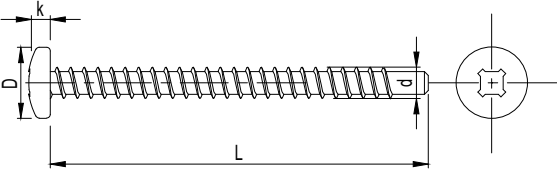
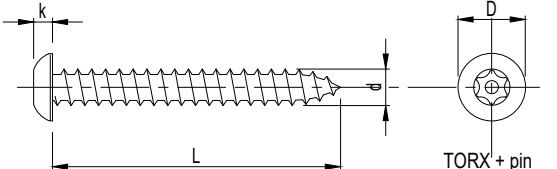
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	050.5074.--	M5	75	2.5	9.2
	050.5083.--	M5	80	2.5	9.2
	050.5086.--	M5	85	2.7	9.3
	050.5084.--	M5	90	2.5	9.2
	050.5008.--*	M5	95	2.5	9.2
	050.5036.--	M5	100	2.5	9.2
	050.5085.--	M5	110	2.5	9.2
	050.5139.--	M6	8	3	11
	050.5140.--	M6	10	3	11
	050.5053.--	M6	12	3	11
	050.5060.--	M6	16	4	11
	050.5050.--	M6	25	3	11
	050.5051.--	M6	30	3	11
	050.5052.--	M6	35	3	11
	050.5055.--	M6	45	3	11
	050.5126.--	M6	60	3.3	11.3
	050.5121.--	M6	65	3	11
	050.5141.--	M6	70	3	11
	050.5122.--	M6	75	3	11
	050.5142.--	M6	80	3	9.2
	050.5143.--	M6	85	3.3	11.3
	050.5123.--	M6	90	3	11
	050.5124.--	M6	100	3	11
	050.5125.--	M6	110	3.3	11.3
	050.5075.--	M8	20	4	14.5
DIN 965 ISO 7046	* used in assembly, sales = no				
	050.5000.--	M5	10	2.5	9.2
	050.5009.--	M5	16	2.5	9.2
	050.5012.--	M5	12	2.5	9.2
	050.5080.--	M5	40	2.5	9.2
DIN 965 ISO 7046	SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE				
	050.5229.--*	M3	6	1.7	5.7
	050.5230.--	M8	10	4.4	14
ISO 7380	* used in assembly, sales = no				

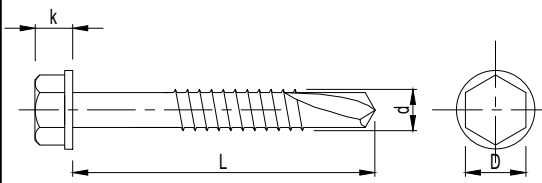
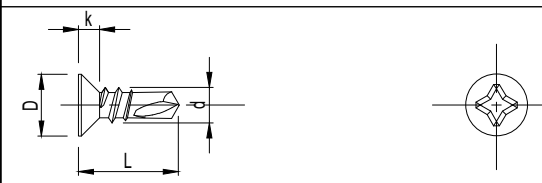
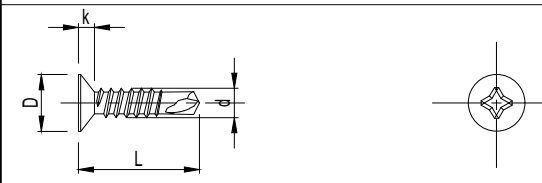
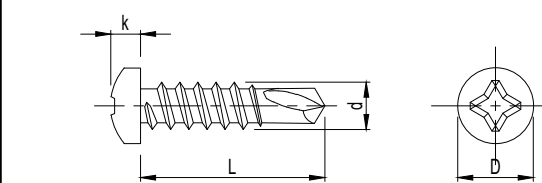
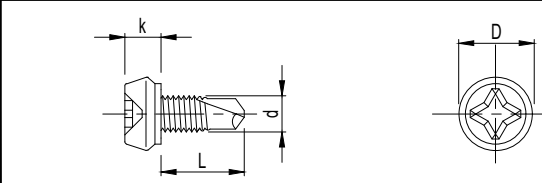
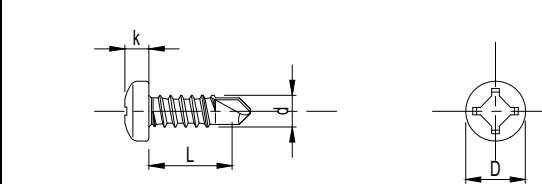
			d	afm. dimen. L	dimen. Masse k	D
	 TORX + pin ISO 7380	050.5114.-- 050.5115.-- BEVEILIGINGSCHROEF SÉCURITÉ VIS SECURITY SCREW SICHERHEITSSCHRAUBE	M6 M6	12 30	3.5 3.5	10.35 10.35
	 ISO 7380	030.5042.-- 030.5043.-- 030.5044.--	M6 M6 M10	20 25 40	3.3 3.3 5.5	12 12 20
	 TORX ISO 7380-f	050.5227.--	M5	14	2.7	11.8
	 DIN 966 ISO 7047	050.5191.--	M6	45	3	11
	 ISO 2768-m	050.5381.--	M6	16	3	10x14
	 ISO 3506	050.5398.--	M5	7	3	15x20
	 ISO 7379	050.5196.-- 050.5195.--	M6 M8	23 33	5.5 7	13.27 16
	 ISO 2768-m	050.5153.--	4.8	13.8	6.4	6.9

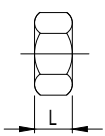
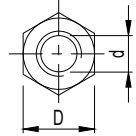
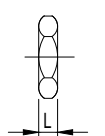
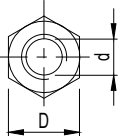
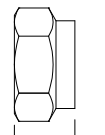
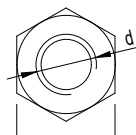
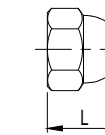
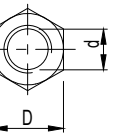
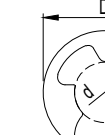
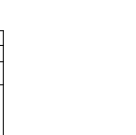
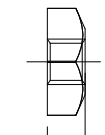
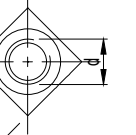
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 DIN 933 ISO 4017	050.5270.-- 050.5271.-- 050.5202.-- 050.5391.-- 050.5204.-- 050.5200.-- 050.5203.-- 050.5205.-- 050.5201.--	M4 M4 M6 M6 M10 M10 M10 M10 M10	6 10 12 20 22 40 60 70 80	2.8 2.8 4 4 6.4 6.4 6.4 6.4 6.4	7 7 10 10 17 17 17 17 17
 DIN 931 ISO 4014	050.5388.-- 050.5389.--	M10 M10	100 130	6.4 6.4	17 17
 DIN 7991 ISO 10642	050.5042.-- 050.5040.-- 050.5041.-- 050.5093.-- 050.5091.-- 050.5094.--	M5 M6 M6 M8 M8 M8	10 10 12 8 10 15	2.8 4 3.3 2.4 2.4 2.4	10 12 12 12 12 12
 DIN 913 ISO 4026	051.5257.-- 051.5262.-- 051.5263.--* 051.5277.-- 051.5264.--* 051.5291.-- 051.5292.-- 051.5299.--* * used in assembly, sales = no	M5 M6 M6 M6 M6 M8 M8 M8 M12	12 8 12 16 20 8 12 12		
 DIN 914 ISO 4027	051.5257.--	M5	12		

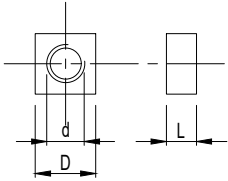
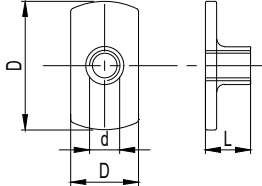
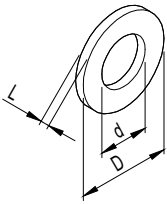
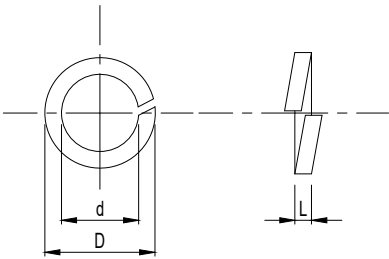
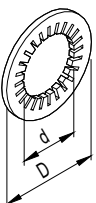
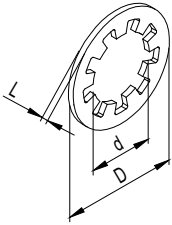
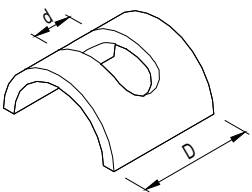
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	051.5273.--	M4	5			
	051.5279.--	M4	10			
	151.5279.--	M4	12			
	051.5272.--	M5	6			
	051.5252.--	M5	12			
	051.5274.--	M6	6			
	051.5278.--	M6	16			
	051.5270.--	M8	8			
	051.5271.--	M6	10			
	051.5269.--	M8	12			
DIN 914 ISO 4027	*used in assembly, sales = no					
 	051.5241.--	M5	25			
	051.5242.--	M5	35			
	051.5243.--	M5	50			
DIN 914 ISO 4027						
 	051.5309.17*	M20	25			
ISO 2768-m						
 	051.5254.--	M5	6		3.5	
	051.5255.--	M5	12		3.5	
	051.5253.--	M5	35		3.8	
DIN 915 ISO 4028						
 	051.5284.--	M4	5			
	051.5266.--	M4	6			
	051.5282.--	M4	8			
	051.5281.--	M4	10			
	051.5240.--	M5	6			
	051.5285.--	M5	8			
	051.5250.--	M5	10			
	051.5280.--	M5	12			
	051.5290.--	M8	10			
DIN 916 ISO 4029						

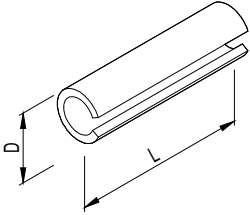
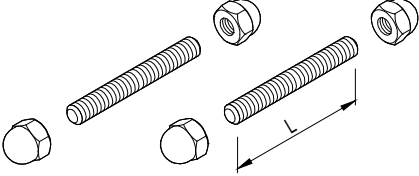
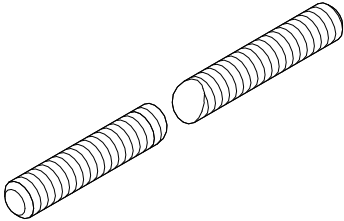
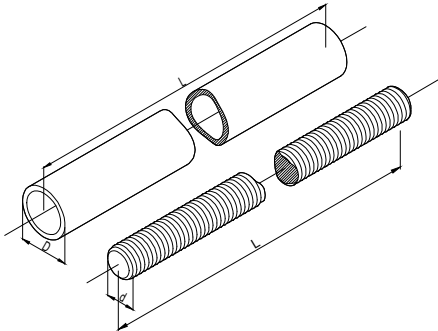
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	DIN 438 ISO 7436	051.5100.--	M4	6		
	DIN 7991 ISO 10642	050.5076.-- SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE	M4	6	2.2	7.5
	DIN 7991	050.5054.--	M6	40	3	11
	DIN 7984	050.5043.-- 050.5045.--	M6 M6	29 54	4 4	10 10
	DIN 7984	050.5045.-- SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE	M6	50	4	10
	DIN 912 ISO 4762	050.5028.-- 050.5039.-- SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE	M6 M6	16 18	6 6	10 10

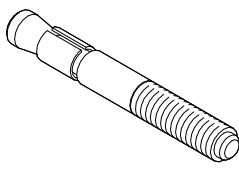
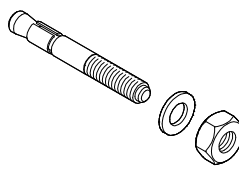
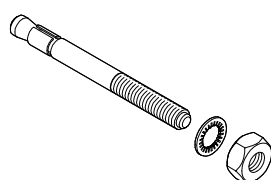
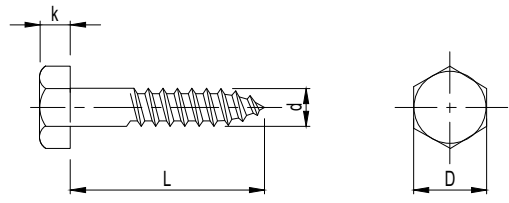
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	052.5320.--	3.5	9.5	2.6	6.9
	052.5200.--	3.9	19	2.8	7.5
	052.5360.--	4.2	9.5	3.05	8.2
	052.5317.--	4.2	13	3.05	8.2
	052.5310.--	4.2	16	3.05	8.2
	052.5347.--	4.2	19	3.05	6.2
	052.5315.--	4.2	25	3.05	8.2
	052.5321.--	4.2	32	3.05	8.2
	052.5314.--	4.2	50	3.05	8.2
	052.5330.--	4.8	13	3.55	9.5
	052.5300.--	4.8	19	3.55	9.5
	052.5301.--	4.8	38	3.55	9.5
	052.5302.--	4.8	50	3.55	9.5
	052.5323.--	4.8	60	3.55	9.5
	052.5306.--	4.8	70	3.55	9.5
	052.5305.--	4.8	80	3.55	9.5
	052.5304.--	4.8	90	3.55	9.5
	052.5344.--	5.5	13	3.95	10.8
	052.5343.--	5.5	25	3.95	10.8
	052.5342.--	5.5	32	3.95	10.8
 DIN 7981 ISO 7049	052.5341.--	5.5	38	3.95	10.8
	052.5340.--	5.5	45	3.95	10.8
	052.5350.--	6.3	25	4.55	12.5
	052.5351.--	6.3	38	4.55	12.5
 TORX DIN 7981 ISO 3506	052.5307.--	3.5	19	4.5	6.9
	052.6330.--	4.8	13	3.1	9.5
	152.5299.--	4.8	16	3.55	9.5
	152.5301.--	4.8	38	3.55	9.5
	152.5381.--	6.3	38	4.55	12.5
	052.5325.--	4.2	50	3	9.4
 TORX + pin ISO 3506-1	052.5400.--	4.8	38	2.5	8.9
	BEVEILIGINGSCHROEF SÉCURITÉ VIS SECURITY SCREW SICHERHEITSSCHRAUBE				

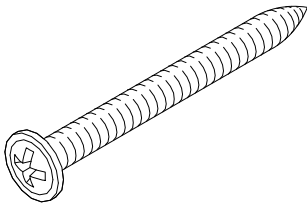
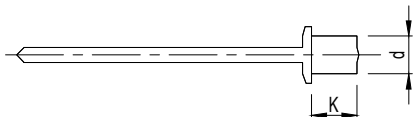
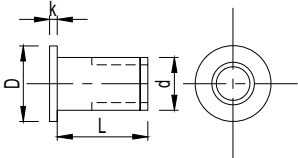
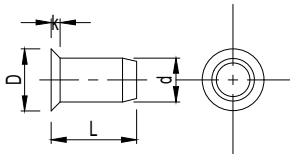
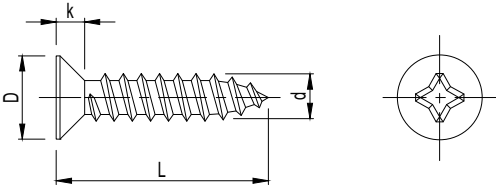
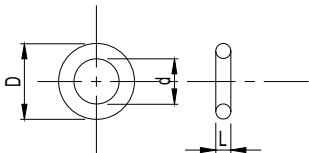
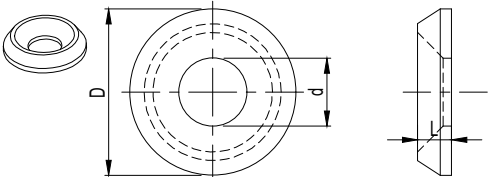
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 BIMETAL DRILL IN STEEL DIN 7168m	053.5199.--	5.5	70	5	8
	053.5200.--	5.5	90	5	8
	053.5201.--	5.5	110	5	8
 DIN 7504N	053.5403.--	4.2	13	2.5	8.1
 DIN 7504P	053.5409.--	3.9	16	2.1	7.5
	053.5406.--	4.2	16	3.1	8.1
	053.5401.--	4.2	25	2.5	8.1
 DIN 7504N	053.5412.--	4.2	19	2.5	8.1
	053.5404.--	4.2	19	2.5	10
	053.5402.--	4.2	38	2.5	8.1
	0FR.9881.--	4.8	25	3.55	9.5
	053.5411.--	4.8	32	3.55	9.5
	053.5413.--	4.8	50	3.55	9.5
	053.5414.--	4.8	60	3.7	9.5
	053.5415.--	4.8	70	3.7	9.5
	021.5169.--	M5	11	4.8	9.7
	024.5521.--	M5	14	4.8	9.7
	053.5405.--	4.2	13	3.2	7.9

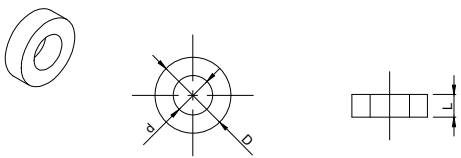
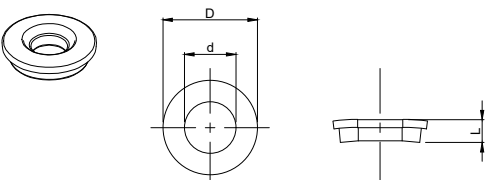
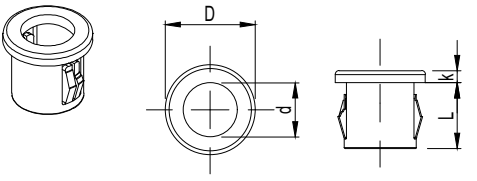
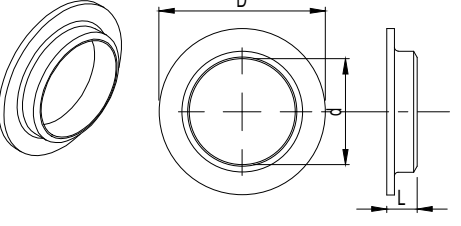
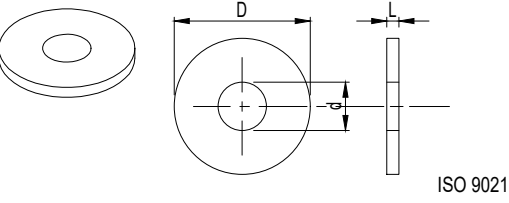
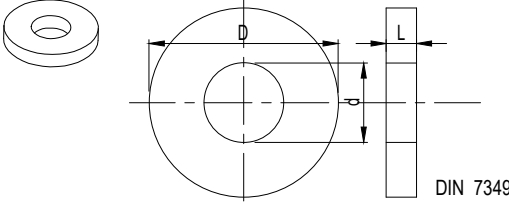
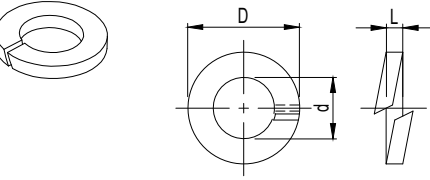
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		DIN 934 ISO 4032	050.5400.-- 050.5396.-- 050.5395.-- 050.5392.-- 079.5398.--*	M4 M5 M6 M8 M10	3.2 4 5 5.5 8	7 8 10 13 17
			* UK market			
		DIN 439 ISO 4035	050.5401.--	M10	5	17
		DIN 985 ISO 10511	050.5407.-- 050.5394.-- 050.5403.-- 050.5393.-- ZESKANTMOER ZELFBORGEND ECROU HEXAGONALE AUTOBLOQUANTE HEXAGON NUT SELF-LOCKING SECHSKANTMUTTER SELBSTSICHEREND	M6 M8 M10 M12	6 8 10 12	10 13 17 19
		DIN 1587	067.5200.-- 067.5201.-- 067.5202.--	M6 M10 M12	12 18 22	10 17 19
		DIN 6799	054.5451.--*	8	1	16.3
			* used in assembly, sales = no			
			030.5711.--	M6	5	10.1

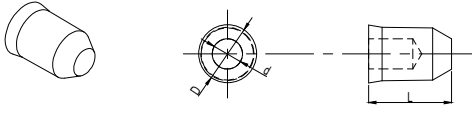
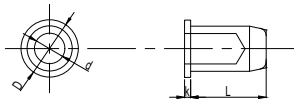
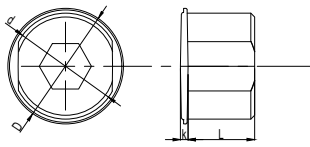
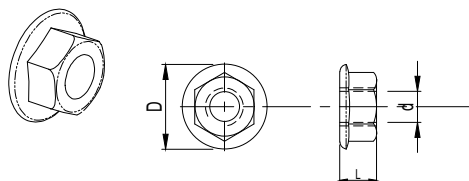
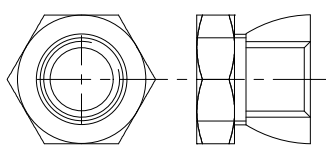
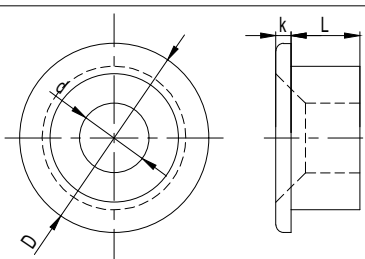
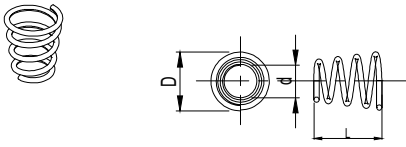
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	050.5404.--	M5	4		8
 ISO 3506	050.5387.--	M5	7.5		11x19
	050.5386.--	M4	6		9x17
 DIN 125A ISO 7089	054.5455.--	4.3	0.8		9
	054.5458.--	8.4	1.6		16
	067.5203.--	5.3	1		10
	067.5205.--	10.5	2		20
	067.5206.--	13	2.5		24
 DIN 127B	054.5450.--	10.2	2.2		18.1
 DIN 6797 J	072.5208.--	6.4			11
 DIN 6797 J	079.5206.--	10.5	0.9		18
	072.5209.--	5			14

		d	afm. dimen. L	dimen. Masse k	D
 DIN 1481 ISO 8752	058.5950.--*	3	24		
	058.5943.--	3	40		
	065.6507.--	3.5	6		
	073.6517.--	3.5	12		
	058.5945.--	4.3	50		
	058.5944.--	4.4	26		
	058.5941.--	5	20		
* used in assembly, sales = no					
	079.5212.--	M6	75		
 DIN 975	079.5211.--	M6	75		
	050.5210.--	M6	1000		
	050.5214.--	M8	2000		
	050.5221.--*	M10	45		
	050.5220.--	M10	1000		
	050.5215.--	M10	2000		
	079.5222.--	M10	3000		
	050.5216.--	M12	3000		
* used in assembly, sales = no					
	071.6350.XX	M10	3000		15.9

		d	afm. dimen. L	dimen. Masse k	D
	054.5475.--	10	80		
	054.5480.--	10	95		
	054.5469.--	12	110		
 DIN 571	0FR.9884.-- 0FR.9883.--	6 6	80 90	4 4	10 10

		d	afm. dimen. L	dimen. Masse k	D
	052.5303.--	5	50		
	055.5631.-- 055.5620.-- 055.5640.-- 055.5650.-- 055.5660.--	3 4 4 4 4		8 6 8 10 15	
 ISO 2760-m	057.5710.-- ALU. 057.5717.-- INOX 057.5720.-- ALU.	M5 M5 M6	12 12 14		
	057.5709.-- ALU. 057.5711.-- ALU. 057.5713.-- (200 pc) INOX 057.5714.-- INOX 057.5721.-- ALU. 057.5722.-- 057.5715.--	M4 M5 M5 M5 M6 M6 M5	11.5 12 13.7 11.6 15 15.5 11.6		
	052.5328.--	4.2	60	2.5	8.1
	054.5454.04 073.8206.04	5 6	1.5 2		8 10
	073.5209.--	9	4.5		22

		d	afm. dimen. L	dimen. Masse k	D
	054.5452.01	5.2	3		10
	054.5440.-- 073.5204.--	6.8 6.6	3 4		12.5 19
	073.5222.04	7.1	8.7	1.6	11.9
	073.5221.07	14	4		22
	067.5216.--	6.4	1.4		18
	054.5465.--	10.5	4		25
	054.5464.--	8.1	2		14.8

		d	afm. dimen. L	dimen. Masse k	D
	068.5932.--	4	11		7
	068.5933.--	4	16		7
	068.5934.00	5	10.8	0.8	7.6
	062.8188.--	15.3	8.8	1	7.6
	024.5042.--	M5	4.85		11.2
	030.5710.--	M10	15		17
	073.5211.--* AFSTANDBUS PIECE DE DISTANCE DISTANCE BUSH DISTANZBUCHSE * used with a screw 050.5075.-- (x1)	9.2	2	9.1	25
	054.5500.--	4.3	9		7.77



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