

# IS LINE

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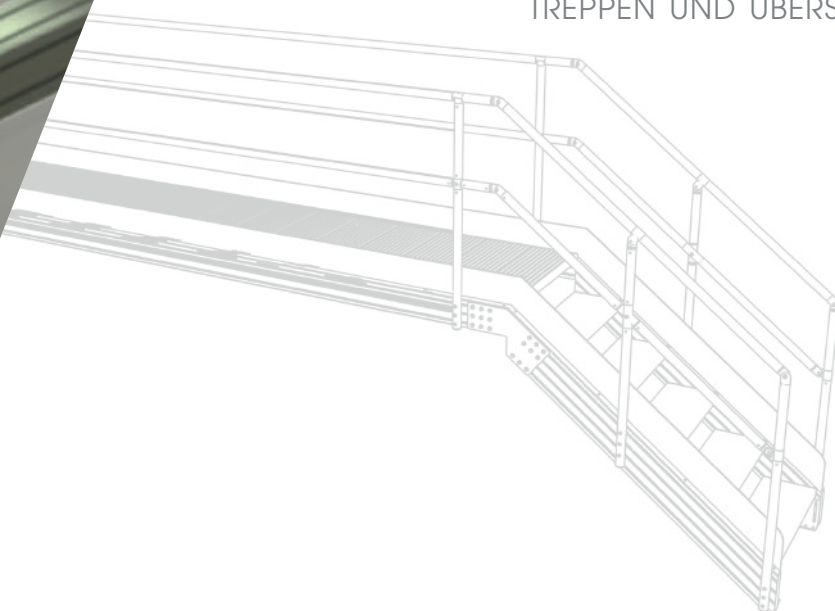
ED. 13



# Alusic

## SCALE E PASSERELLE

STAIRS AND WALKWAYS  
ESCALERAS Y PASARELAS  
ESCALIERS ET PASSERELLES  
TREPPEN UND ÜBERSTIEGEN



IT

La linea Alusic di profili e accessori per scale e passerelle comprende un'ampia gamma di soluzioni per applicazioni in campo industriale.

Ovunque debbano essere creati degli scavalcamenti di linee di produzione, camminamenti a fianco di macchine o cambi di altimetria, i profili modulari per la realizzazione dei gradini dei pianerottoli e i pratici accessori per la giunzione dei corrimano offrono una risposta pratica e veloce ad ogni necessità.

Il profilo scalino è autoportante secondo normativa fino ad una larghezza di 1200 mm con un carico al centro di 150 Kg o un carico distribuito di 200 Kg/m<sup>2</sup>.

EN

Alusic's range of profiles and accessories for stairs, walkways and crossover stairs incorporates a wide range of solutions for industrial applications.

Wherever there is a need to cross over production lines, create walkways alongside machinery or changes of height, our modular profiles for creating stairs and landings, and practical handrail connection accessories, offer a quick, practical answer to all requirements.

The stairway profile is self-supporting, meeting relevant standards, up to a width of 1200 mm with a centralised load of 150 kg or a distributed load of 200 kg/m<sup>2</sup>.

ES

La línea Alusic de perfiles y accesorios para escaleras y pasarelas incluye una amplia gama de soluciones para aplicaciones en el ámbito industrial.

Allí donde sea necesario crear pasarelas de franqueo de líneas de producción, corredores junto a máquinas o cambios de altura, los perfiles modulares para la realización de peldaños y rellanos y los prácticos accesorios para la unión de las barandillas ofrecen una respuesta práctica y rápida a cualquier necesidad.

El perfil para escalón es autoportante según la normativa hasta una longitud de 1200 mm con una carga en el centro de 150 kg o una carga distribuida de 200 kg/m<sup>2</sup>.

FR

La ligne Alusic de profilés et accessoires pour escaliers et passerelles comprend une vaste gamme de solutions pour des applications en milieu industriel.

Dans tous les cas où il est nécessaire de créer des voies de passage surmontant des lignes de production ou le long de machines, ou encore des points de franchissement de hauteurs différentes, les profilés modulaires pour la réalisation des marches de papiers et les accessoires pratiques de jonction des mains courantes offrent une réponse à la fois fonctionnelle et rapide à toute exigence.

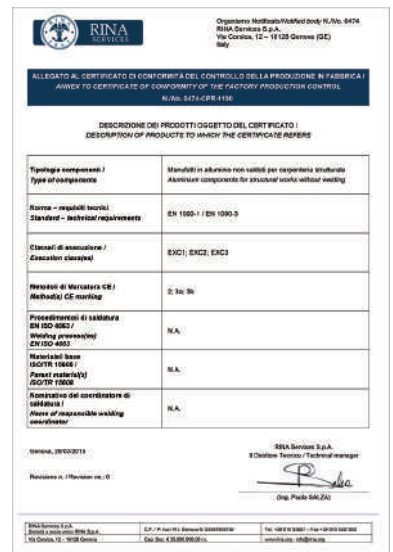
Le profilé de marche est autoportant, conformément aux normes, jusqu'à une longueur de 1200 mm avec une charge de 150 kg en position centrale ou une charge répartie de 200 kg/m<sup>2</sup>.

DE

Die Alusic-Produktlinie mit Profilen und Zubehör für Treppen und Überstiegen umfasst eine große Auswahl an Lösungen für Industrieanwendungen.

Überall, wo Überstiegen von Produktionslinien, Wege neben Maschinen oder Höhenänderungen geschaffen werden müssen, stellen die modularen Profile für die Schaffung von Stufen und Treppenabsätzen und das praktische Zubehör für die Verbindung von Handläufen eine praktische und schnelle Lösung für jeden Bedarf dar.

Das Treppenprofil ist gemäß Norm bis zu einer Breite von 1200 mm mit einer Last in der Mitte von 150 kg oder einer verteilten Last von 200 kg/m<sup>2</sup> selbsttragend.





pag. 5



pag. 5



pag. 7

## SIMBOLI / SYMBOLS / SÍMBOLOS / SYMBOLES / SYMBOLE



### Scatola

Box  
Caja  
Boîte  
Schachtel



### Portata

Load  
Carga  
Charge  
Tragkraft

**NEW**

### Prodotto nuovo

New product  
Nuevo producto  
Nouveau produit  
Neues Produkt

**STAINLESS STEEL**

### Prodotto in inox

Stainless steel product  
Producto de acero inoxidable  
Produit en acier inoxydable  
Produkt aus rostfreiem Stahl

**ITALIAN PATENT**

### Prodotto brevettato

Patented product  
Producto patentado  
Produit breveté  
Patentiertes Produkt

**PATENT**

## PROFILI STRUTTURALI ALUSIC

ALUSIC STRUCTURAL PROFILES / PERFILES ESTRUCTURALES ALUSIC / PROFILÉS STRUCTURELS ALUSIC / KONSTRUKTIONSPROFILE ALUSIC

**IT** Tutti i profili del catalogo Alusic sono realizzati per estrusione di lega di alluminio primario EN-AW 6060 (Al Mg Si 0.5) o a richiesta in lega di alluminio primario EN-AW 6063.

Lo stato metallurgico di fornitura è T5/T6 (solubilizzato, temprato e invecchiato artificialmente). Le barre sono normalmente fornite anodizzate con profondità di trattamento in classe 12 µm (a richiesta la maggior parte dei profili può essere fornita grezza). Le tolleranze generali seguite per l'estrusione dei profili seguono la norma UNI-EN 12020-2.

**EN** All profiles in the Alusic catalogue are extruded from EN-AW 6060 (Al Mg Si 0.5) primary aluminium alloy, or on request from EN-AW 6063 primary aluminium alloy.

The aluminium used is supplied as T5/T6 temper (cooled from hot working/solution heat treated and artificially aged). The bars are normally supplied with a 12 µm anodising treatment (on request, most profiles can also be supplied as mill finish). The tolerances applied when extruding the profiles follow EN 12020-2.

**ES** Todos los perfiles del catálogo Alusic están fabricados mediante extrusión de aleación de aluminio primario EN-AW 6060 (Al-Mg-Si 0.5) o, bajo solicitud, en aleación de aluminio primario EN-AW 6063.

El estado metalúrgico en que se suministran es T5/T6 (solubilizado, templado y envejecido artificialmente). Las barras normalmente se suministran anodizadas, con una profundidad de tratamiento de 12 µm (bajo solicitud, la mayor parte de los perfiles puede suministrarse en bruto). Las tolerancias generales conseguidas mediante la extrusión de los perfiles son acordes a la norma UNI-EN 12020-2.

**FR** Tous les profilés du catalogue Alusic sont réalisés par extrusion à partir d'alliage d'aluminium primaire EN-AW 6060 (Al Mg Si 0.5) ou sur demande en alliage d'aluminium primaire EN-AW 6063.

L'état métallurgique de fourniture est l'état T5/T6 (solubilisé, trempé et vieilli artificiellement). Les barres sont fournies anodisées avec une profondeur de traitement en classe 12 µm (sur demande, la plupart des profilés peuvent être fournis bruts). Les tolérances générales appliquées à l'extrusion des profilés respectent la norme UNI-EN 12020-2.

**DE** Alle Profile des Alusic-Katalogs werden mittels Strangpressen aus der Primäraluminiumlegierung EN-AW 6060 (Al Mg Si 0,5) oder auf Anfrage aus der Primäraluminiumlegierung EN-AW 6063 hergestellt.

Der metallurgische Lieferzustand ist T5/T6 (Lösungsgeglüht, abgeschreckt aus der Warmumformungstemperatur und warmausgehärtet). Normalerweise werden die Stangen dem Eloxalverfahren unterzogen und haben eine 12 µm dicke Schutzschicht (auf Anfrage sind die meisten der Profile auch ohne Eloxierung erhältlich). Für die Strangpressung der Profile wurden die allgemeinen Toleranzen der Norm UNI EN 12020-2 eingehalten.

## COMPOSIZIONE DELLE LEGHE

CHEMICAL COMPOSITION OF ALLOYS / COMPOSICIÓN QUÍMICA DE LAS ALEACIONES

COMPOSITION CHIMIQUE DES ALLIAGES / CHEMISCHE ZUSAMMENSETZUNG DER LEGIERUNGEN

EN-AW	Cu	Fe	Mn	Mg	Si	Zn	Cr	Ti	Al
6060	0.10	0.1-0.3	0.10	0.35-0.6	0.3-0.6	0.15	0.05	0.10	dal 98% al 99%
6063	0.10	0.35	0.10	0.45-0.9	0.2-0.6	0.10	0.10	0.10	dal 97,5% al 98,5%

## CARATTERISTICHE MECCANICHE

MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÁNICAS

CARACTÉRISTIQUES MÉCANIQUES / MECHANISCHE EIGENSCHAFTEN

EN-AW	Rm (N/mm <sup>2</sup> )	Rp0,2 (N/mm <sup>2</sup> )	A (%)	HB
6060	190	150	8	70
6063	215	170	8	75

## CARATTERISTICHE FISICHE

PHYSICAL PROPERTIES / CARACTERÍSTICAS FÍSICAS

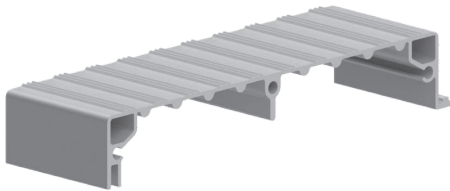
CARACTÉRISTIQUES PHYSIQUES / PHYSIKALISCHE EIGENSCHAFTEN

E (N/mm <sup>2</sup> )	69000
ρ (Ω mm <sup>2</sup> /m)	0.033
λ W/mK	210
T <sub>m</sub> (C°)	615 - 655
α (K <sup>-1</sup> )	25X10 <sup>-6</sup>



**SCALINO**  
STEP  
ESCALÓN  
MARCHE  
STUFE

CODICE	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>084.101.065</b>	22,89	1239,82	10,06	91,16	1486,23	4,01



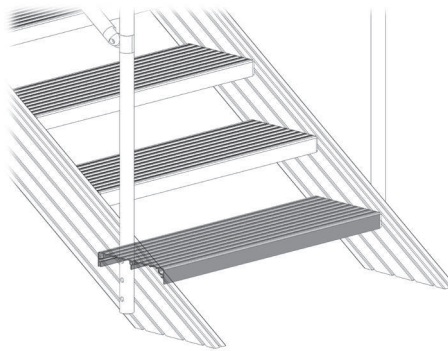
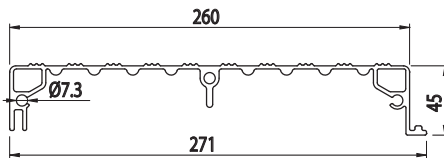
**Alluminio anodizzato**

Anodised aluminium - Aluminium anodisé  
Aluminio anodizado - Eloxiertes Aluminium

**Colore naturale**

Natural colour - Couleur naturelle  
Color natural - Natürliche Farbe

**L=6,040m**



**Ø40**

CODICE	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>084.101.066</b>	8,59	8,59	4,3	4,3	549,8	0,95



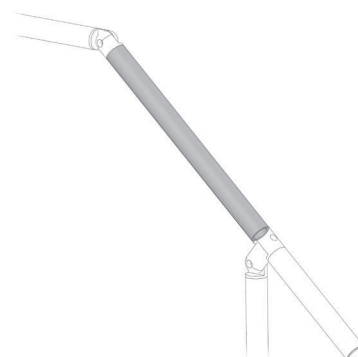
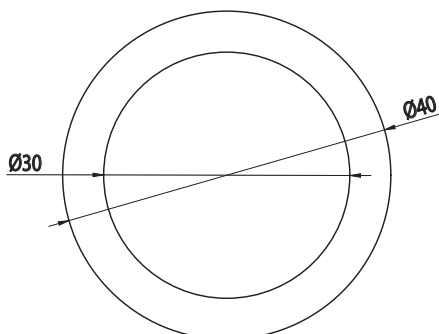
**Alluminio anodizzato**

Anodised aluminium - Aluminium anodisé  
Aluminio anodizado - Eloxiertes Aluminium

**Colore naturale**

Natural colour - Couleur naturelle  
Color natural - Natürliche Farbe

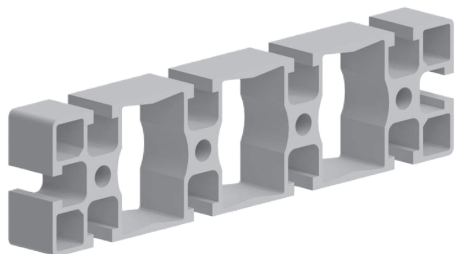
**L=6,040m**



45x180

AC  
8  
45

CODICE	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>084.101.022</b>	48,33	689,89	21,48	76,65	2206	5,96



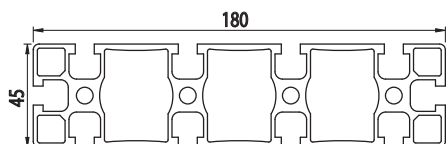
**Alluminio anodizzato**

Anodised aluminium - Aluminium anodisé  
Aluminio anodizado - Eloxiertes Aluminium

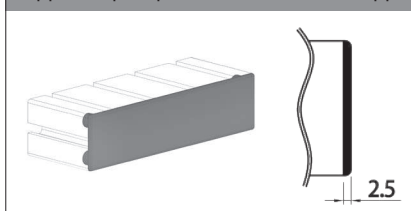
**Colore naturale**

Natural colour - Couleur naturelle  
Color natural - Natürliche Farbe

**L=6,040m**



Tappo - Cap - Tapòn - Embout - Abdeckkappe

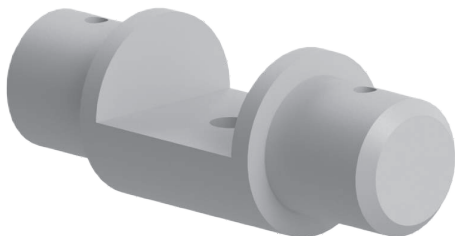


CODICE	Materiale	g	Colore
<b>084.201.022</b>	PA	23	■
<b>084.201.022G</b>	PA	23	■

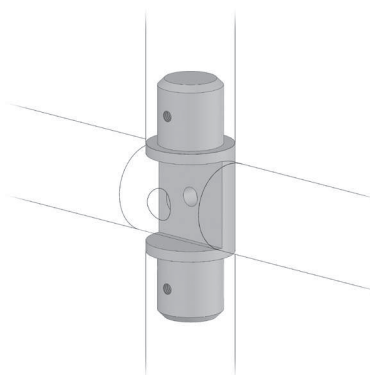
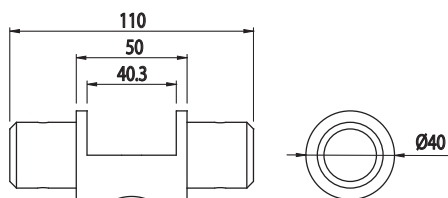


**GIUNTO 2 VIE**  
TWO-WAY JOINT  
EMPALME DE 2 VÍAS  
JOINT 2 VOIES  
ZWEI-WEGE-VERBINDER

CODICE	Note	g
<b>084.313.005</b>	Per tratti rettilinei - For straight sections - Para tramos rectilíneos - Pour sections rectilignes - Für gerade Abschnitte	140

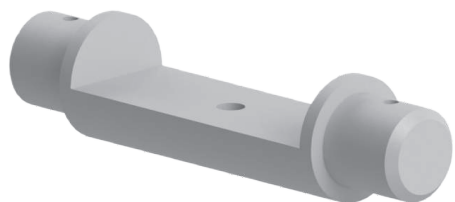


**Alluminio burattato**  
Tumbled aluminium - Aluminium poli au tonneau  
Aluminio pulido - Trowalisiertes Aluminium

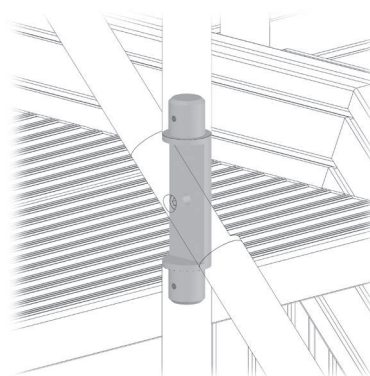
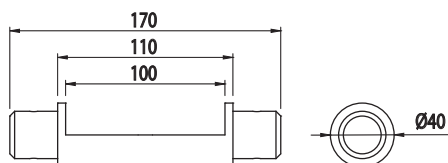


**GIUNTO 2 VIE**  
TWO-WAY JOINT  
EMPALME DE 2 VÍAS  
JOINT 2 VOIES  
ZWEI-WEGE-VERBINDER

CODICE	Note	g
<b>084.313.004</b>	Per tratti inclinati - For angled sections - Para tramos inclinados - Pour sections inclinées - Für geneigte Abschnitte	200



**Alluminio burattato**  
Tumbled aluminium - Aluminium poli au tonneau  
Aluminio pulido - Trowalisiertes Aluminium



**GIUNTO 3 VIE FISSO**

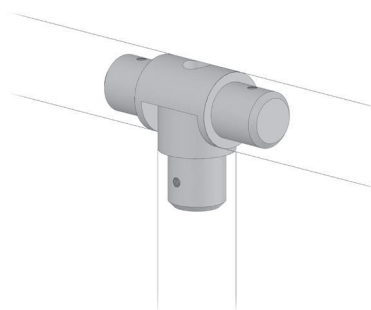
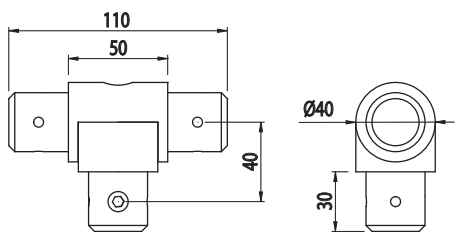
FIXED 3-WAY JOINT  
EMPALME 3 VÍAS FIJO  
JOINT 3 VOIES FIXE  
FESTER DREI-WEGE-VERBINDER



CODICE	Note	g
<b>084.313.003</b>	Per tratti rettilinei - For straight sections - Para tramos rectilíneos - Pour sections rectilignes - Für gerade Abschnitte	180

**Alluminio burattato**

Tumbled aluminium - Aluminium poli au tonneau  
Aluminio pulido - Trowalisiertes Aluminium



**GIUNTO 3 VIE SNODATO**

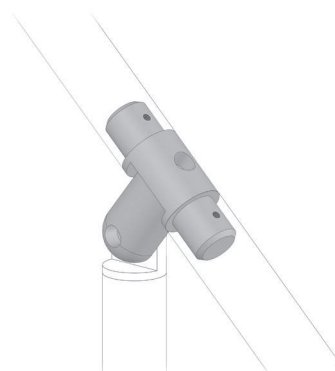
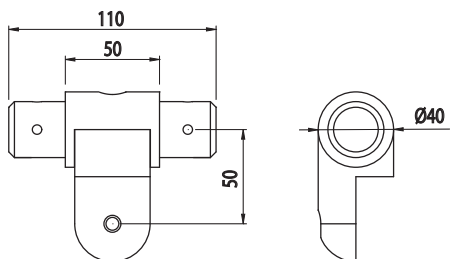
ARTICULATED 3-WAY JOINT  
EMPALME 3 VÍAS ARTICULADO  
JOINT 3 VOIES ARTICULÉ  
DREI-WEGE-VERBINDER MIT GELENK



CODICE	Note	g
<b>084.313.002</b>	Per tratti inclinati - For angled sections - Para tramos inclinados - Pour sections inclinées - Für geneigte Abschnitte	190

**Alluminio burattato**

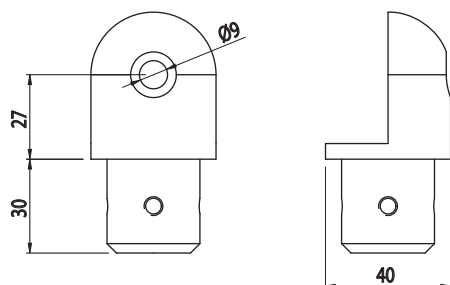
Tumbled aluminium - Aluminium poli au tonneau  
Aluminio pulido - Trowalisiertes Aluminium







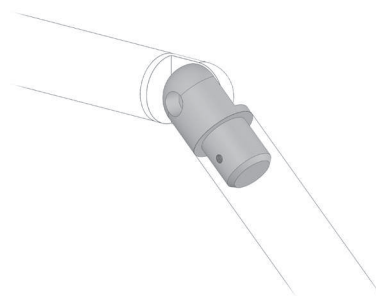
**GIUNTO SNODATO**  
 ARTICULATED JOINT  
 EMPALME ARTICULADO  
 JOINT ARTICULÉ  
 VERBINDER MIT GELENK



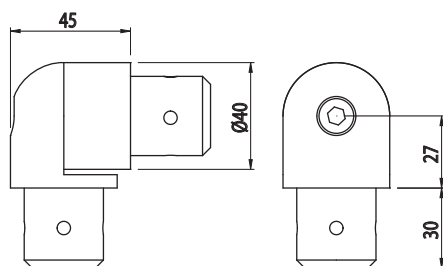
CODICE	Note	g
<b>084.313.001</b>	Per tratti inclinati - For angled sections - Para tramos inclinados - Pour sections inclinées - Für geneigte Abschnitte	95

**Alluminio burattato**

Tumbled aluminium - Aluminium poli au tonneau  
 Aluminio pulido - Trowalisiertes Aluminium



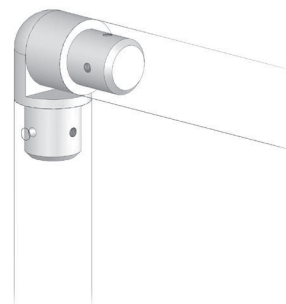
**GIUNTO 90°**  
 90° JOINT  
 EMPALME 90°  
 JOINT 90°  
 VERBINDER 90°



CODICE	Note	g
<b>084.313.106</b>	Per giunzioni a 90° - For 90° connectors - Para uniones en 90° - Pour jonctions à 90° - Für 90°-Verbindungen	180

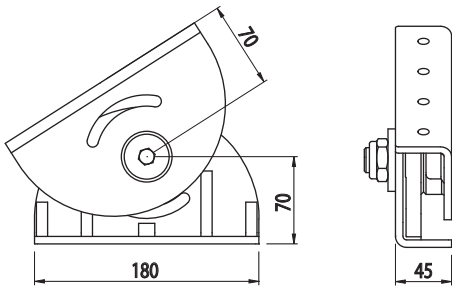
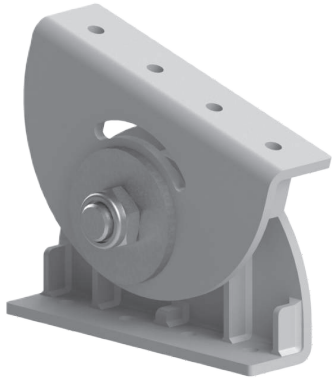
**Alluminio burattato**

Tumbled aluminium - Aluminium poli au tonneau  
 Aluminio pulido - Trowalisiertes Aluminium



**KIT FISSAGGIO PROFILI**

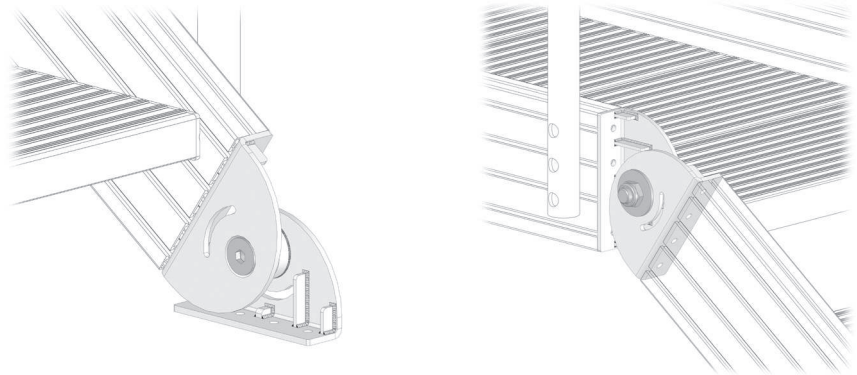
PROFILE FASTENING KIT  
KIT FIJACIÓN PERFILES  
KIT FIXATION PROFILÉS  
BEFESTIGUNGSKIT FÜR PROFILE



CODICE	Note	g
<b>084.313.006</b>	Giunto snodato per fissaggio profili 45x180 - Articulated joint for fastening 45x180 profiles - Empalme articulado para fijación de perfiles 45x180 - Joint articulé pour fixation profilés 45x180 - Verbinder mit Gelenk für Befestigung der Profile 45x180	1920

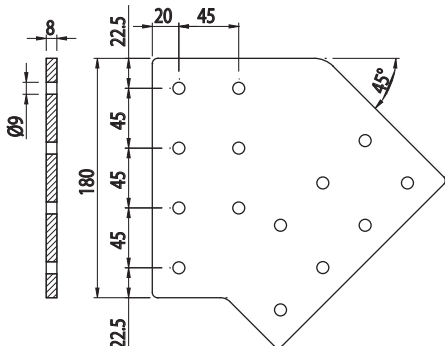
**Acciaio zincato**

Galvanised steel - Acier zingué  
Acero galvanizado - Verzinkter Stahl



**PIASTRA 45°**

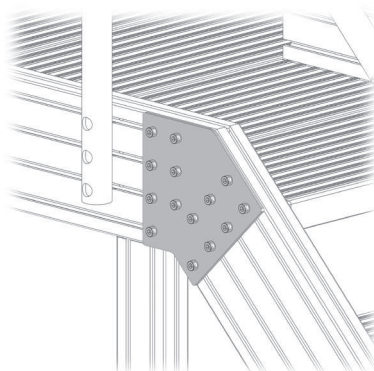
45° PLATE  
PLACA 45°  
PLAQUE 45°  
PLATTE 45°



CODICE	Note	g
<b>084.313.013</b>	Piastra laterale per scala a 45° - Lateral plate for 45° steps - Placa lateral para escalera en 45° - Plaque latérale pour escalier à 45° - Seitenplatte für Treppe 45°	1270

**Acciaio zincato**

Galvanised steel - Acier zingué  
Acero galvanizado - Verzinkter Stahl

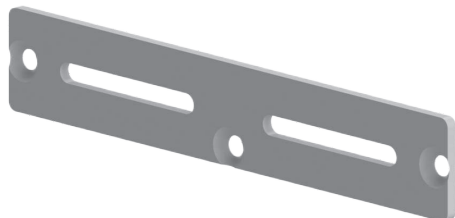




## COPPIA PIASTRE FISSAGGIO SCALINO

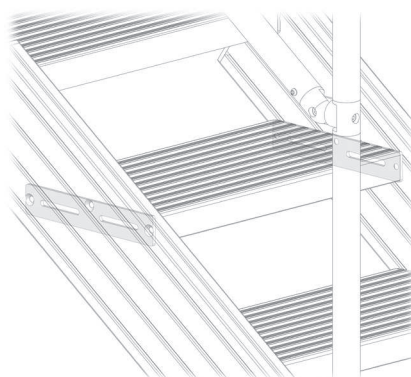
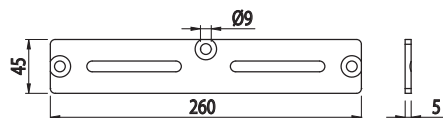
PAIR OF STEP FIXING PLATES  
 PAR DE PLACAS DE FIJACIÓN ESCALÓN  
 PAIRE PLAQUES DE FIXATION MARCHÉ  
 PLATTENPAAR TREPPENBEFESTIGUNG

CODICE	Note	g
<b>084.313.007</b>	Coppia piastre per il fissaggio dello scalino - Pair of plates for step fixing - Par de placas para la fijación del escalón - Paire plaques de la fixation de la marche - Plattenpaar für die Treppenbefestigung	810



### Acciaio zincato

Galvanised steel - Acier zingué  
 Acero galvanizado - Verzinkter Stahl



## TAPPO GIUNTO

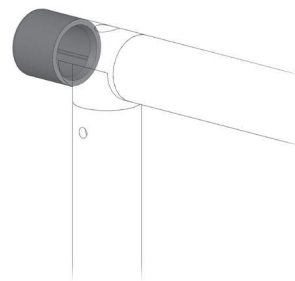
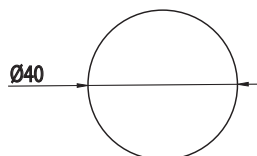
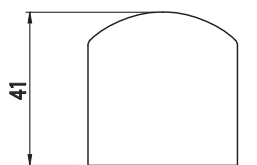
JOINT CAP  
 TAPÓN UNIÓN  
 BOUCHON JOINT  
 ABDECKKAPPE FÜR VERBINDER

CODICE	Note	g
<b>084.313.010</b>	Tappo per giunti in alluminio - Aluminium joint cap - Tapón para uniones de aluminio - Bouchon pour joints en aluminium - Abdeckkappe für Verbinder aus Aluminium	30



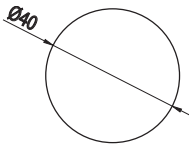
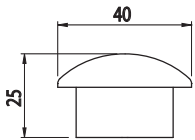
### Polietilene nero

Black polythene - Polyéthylène noir  
 Polietileno color negro - Polyethylen schwarz



**TAPPO**  
CAP  
TAPÓN  
BOUCHON  
ABDECKKAPPE

CODICE	Note	g
<b>084.313.008</b>	Tappo per profilo 084.101.066 - Cap for profile 084.101.066 - Tapón para perfil 084.101.066 - Bouchon pour profilé 084.101.066 - Abdeckkappe für Profil 084.101.066	20

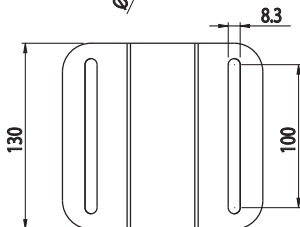
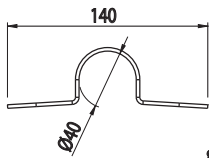


**Polietilene nero**  
Black polythene - Polyéthylène noir  
Polietileno color negro - Polyethylen schwarz

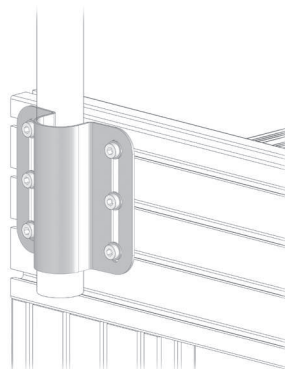


**STAFFA PER PARAPETTO**  
BRACKET FOR RAIL  
ESTRIBO PARA BARANDILLA  
BRIDE POUR PARAPET  
BÜGEL FÜR GELÄNDER

CODICE	Note	g
<b>084.313.009</b>	Staffa per fissaggio parapetto - Bracket for rail fastening - Estribo para fijación de barandilla - Bride de fixation parapet - Bügel für Geländerbefestigung	30



**Acciaio zincato**  
Galvanized steel - Acier zingué  
Acero galvanizado - Verzinkter Stahl





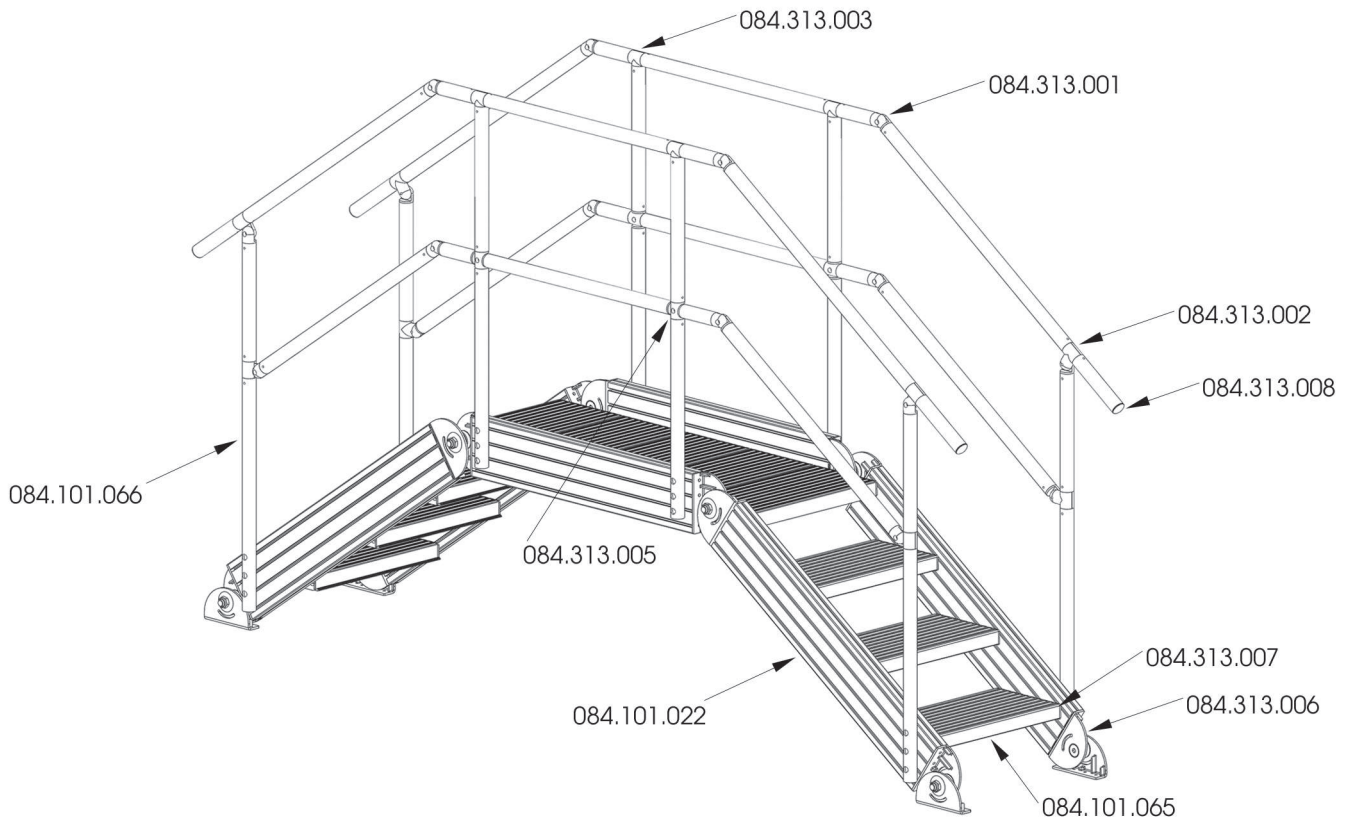
## ESEMPIO DI PASSERELLA PER LO SCAVALCAMENTO DI UNA LINEA DI PRODUZIONE

EXAMPLE OF CROSSOVER STAIR

EJEMPLO DE PASARELA PARA CRUZAR UNA LÍNEA DE PRODUCCIÓN

EXAMPE DE PASSERELLE POUR TRAVERSER UNE LIGNE DE PRODUCTION

BEISPIEL EINER ÜBERSTIEGE ZUR ÜBERBRÜCKUNG VON EINER PRODUKTIONSLINIE



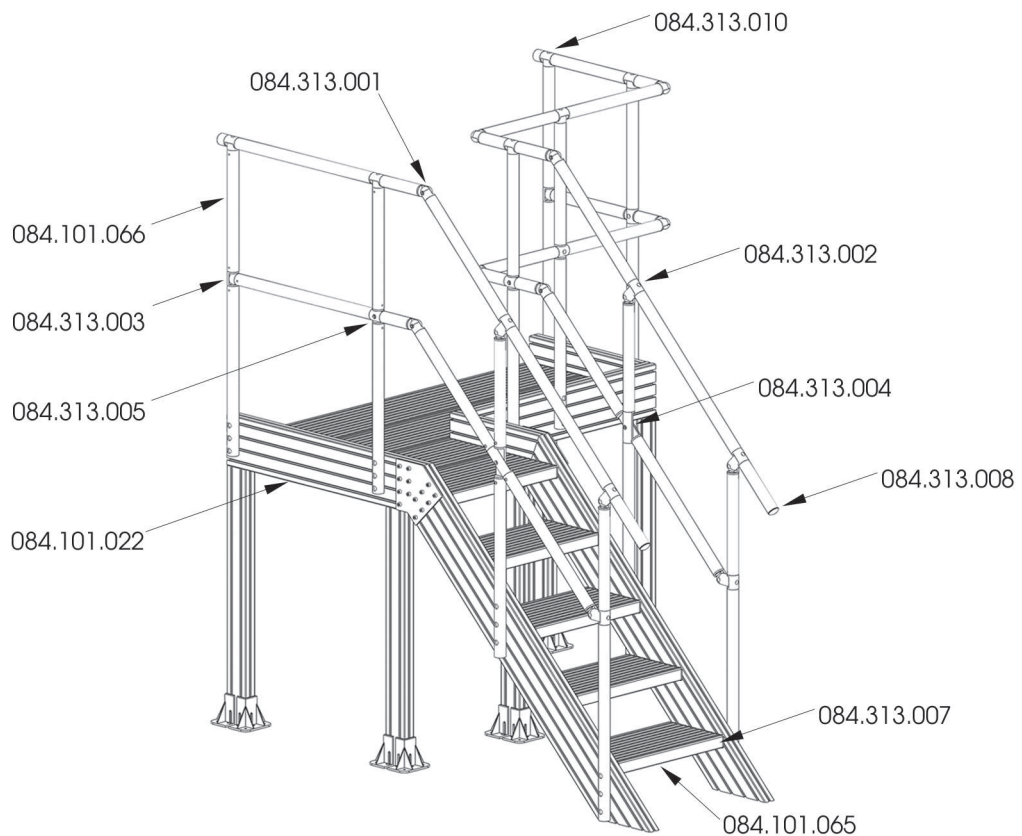
## ESEMPIO DI SCALA CON PIANEROTTOLO

EXAMPLE OF STAIR WITH LANDING

EJEMPLO DE ESCALERA CON RELLANO

EXAMPE D'ESCALIER AVEC PALIER

BEISPIEL EINER TREPPE MIT TREPPENABSATZ





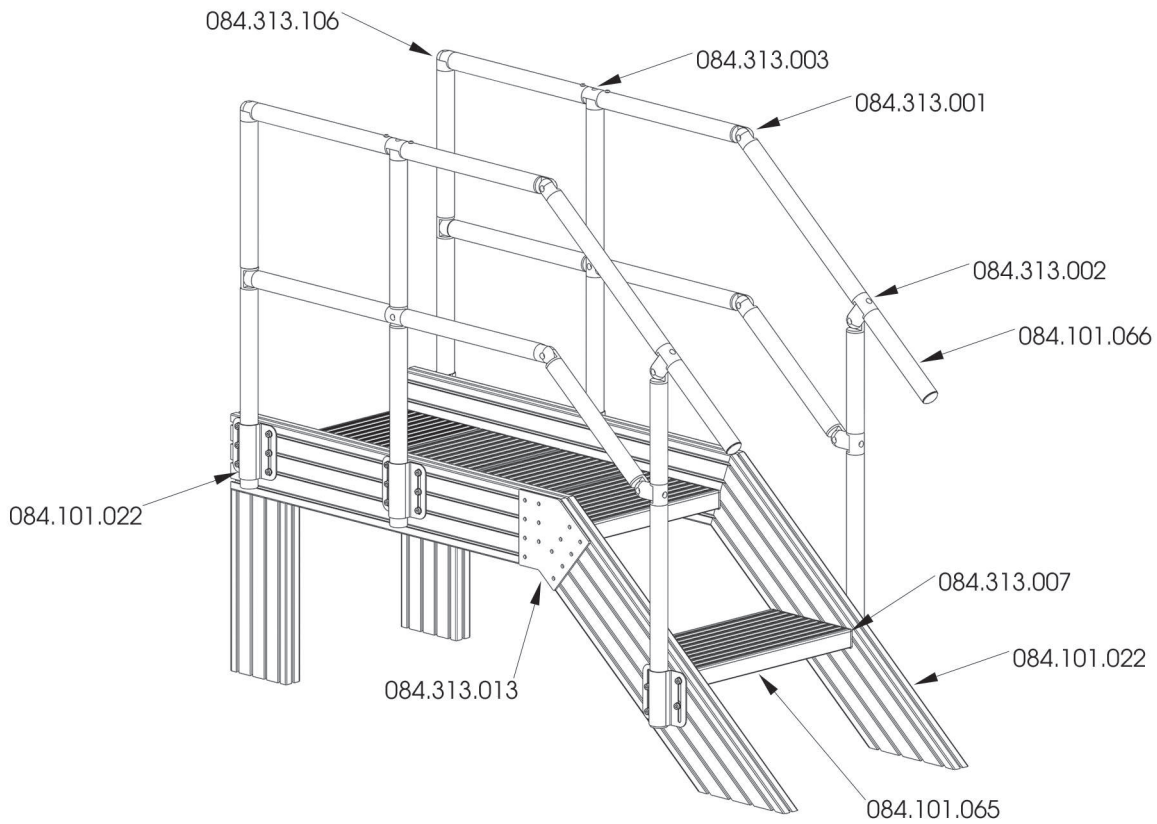
### ESEMPIO DI SCALA CON INCLINAZIONE FISSA

EXAMPLE OF FIXED SLOPE STAIR

EJEMPLO DE ESCALERA CON INCLINACIÓN FIJA

EXAMPE D'ESCALIER AVEC INCLINAISON FIXE

BEISPIEL EINER FESTEN TREPPENSTEIGUNG



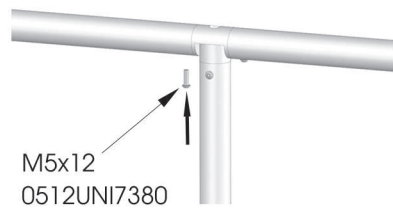
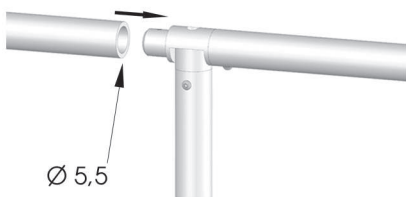
### MONTAGGIO DEL TUBO

TUBE ASSEMBLY

MONTAJE DEL TUBO

MONTAGE DU TUBE

ROHRMONTAGE





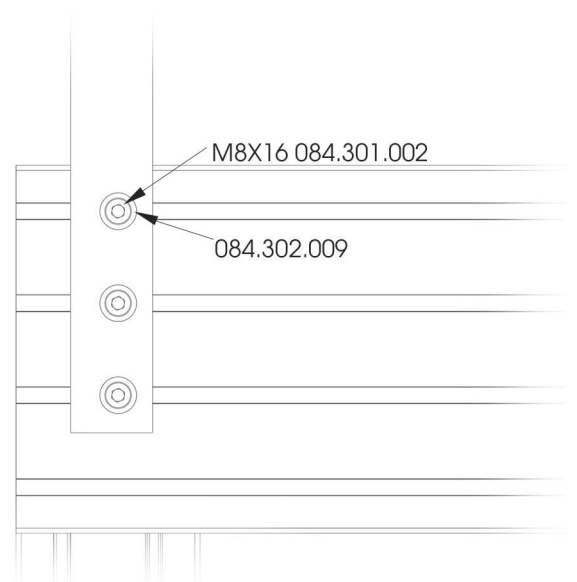
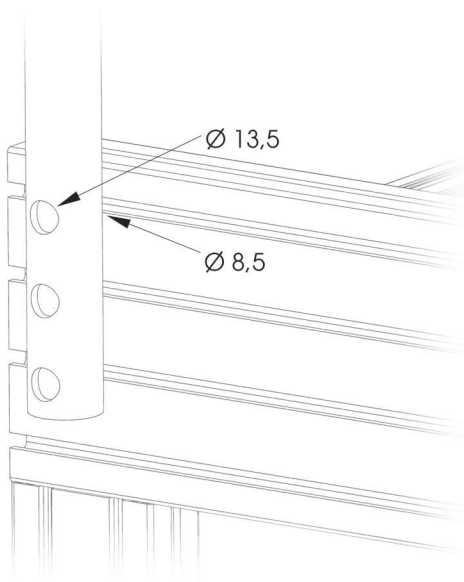
## FISSAGGIO DEL PARAPETTO CON LAMATURA

GUARD FASTENING WITH COUNTERBORE

FIJACIÓN AVELLANADA DEL PARAPETO

FIXATION DU GARDE-CORPS AVEC LAMAGE

MONTAGE DES GELÄNDERS DURCH SENKUNG



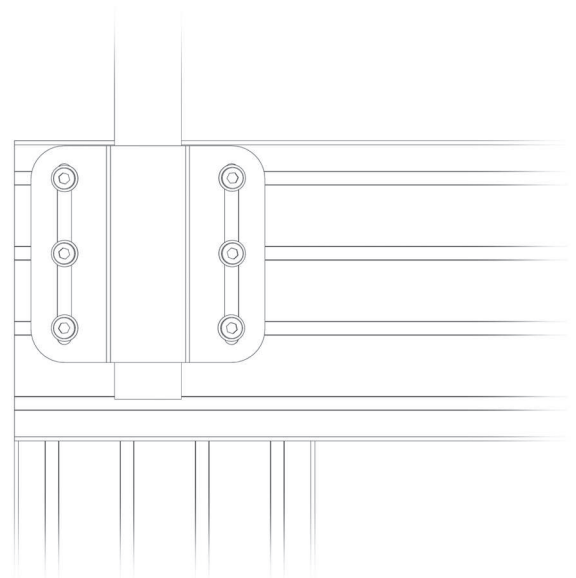
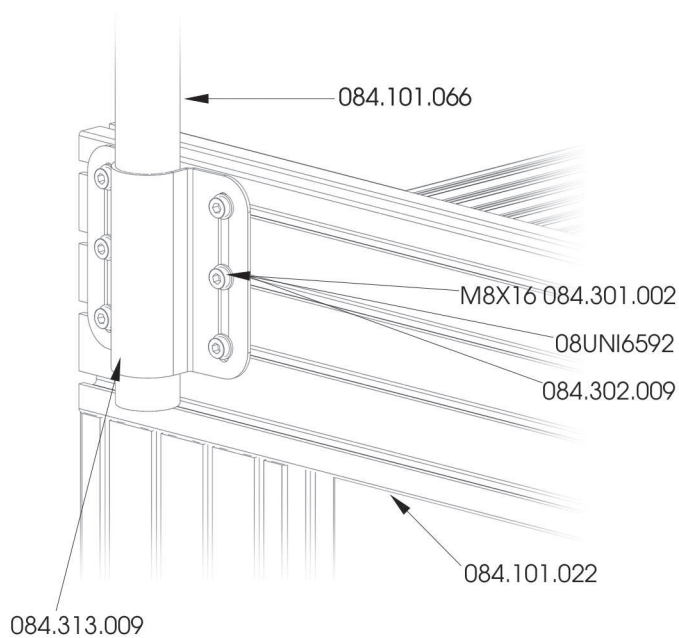
## FISSAGGIO DEL PARAPETTO CON PIASTRA REGOLABILE

GUARD FASTENING WITH ADJUSTABLE PLATE

FIJACIÓN DEL PARAPETO CON PLACA REGULABLE

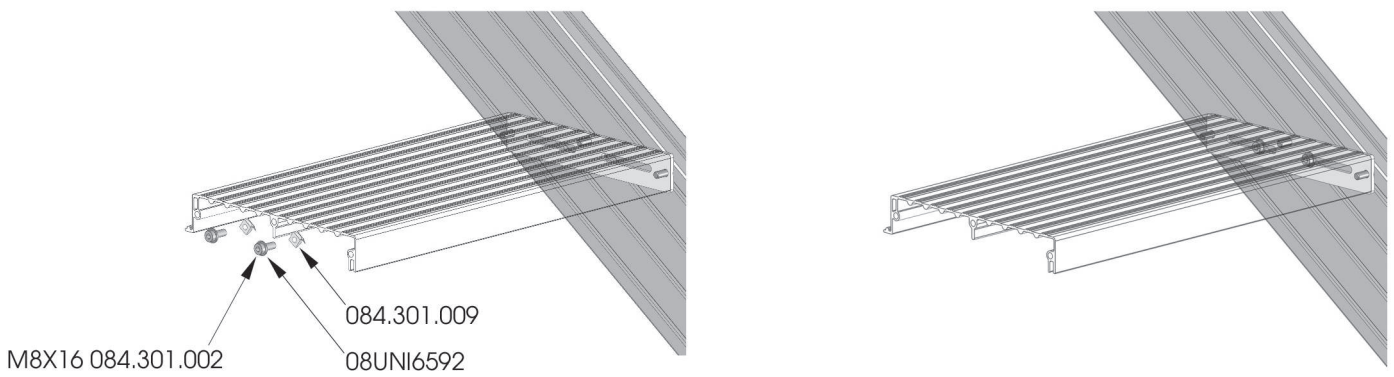
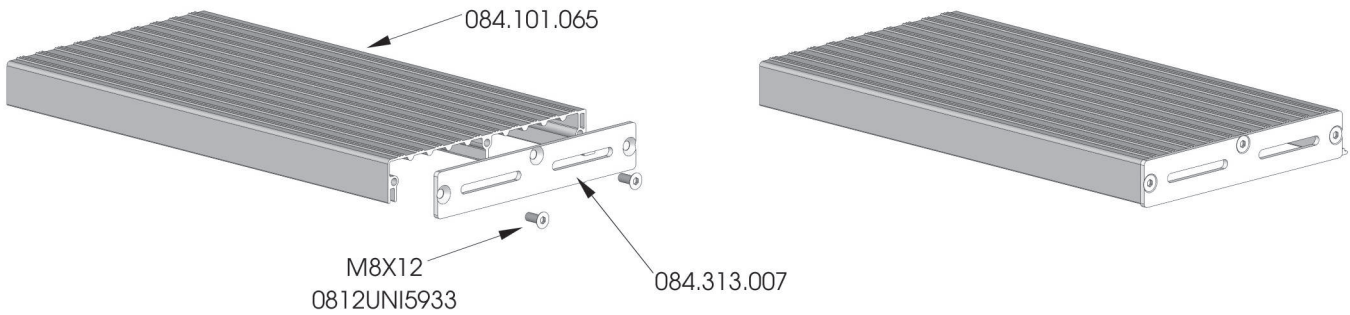
FIXATION DU GARDE-CORPS AVEC PLAQUE RÉGLABLE

MONTAGE DES GELÄNDERS DURCH VERSTELLBARE PLATTE



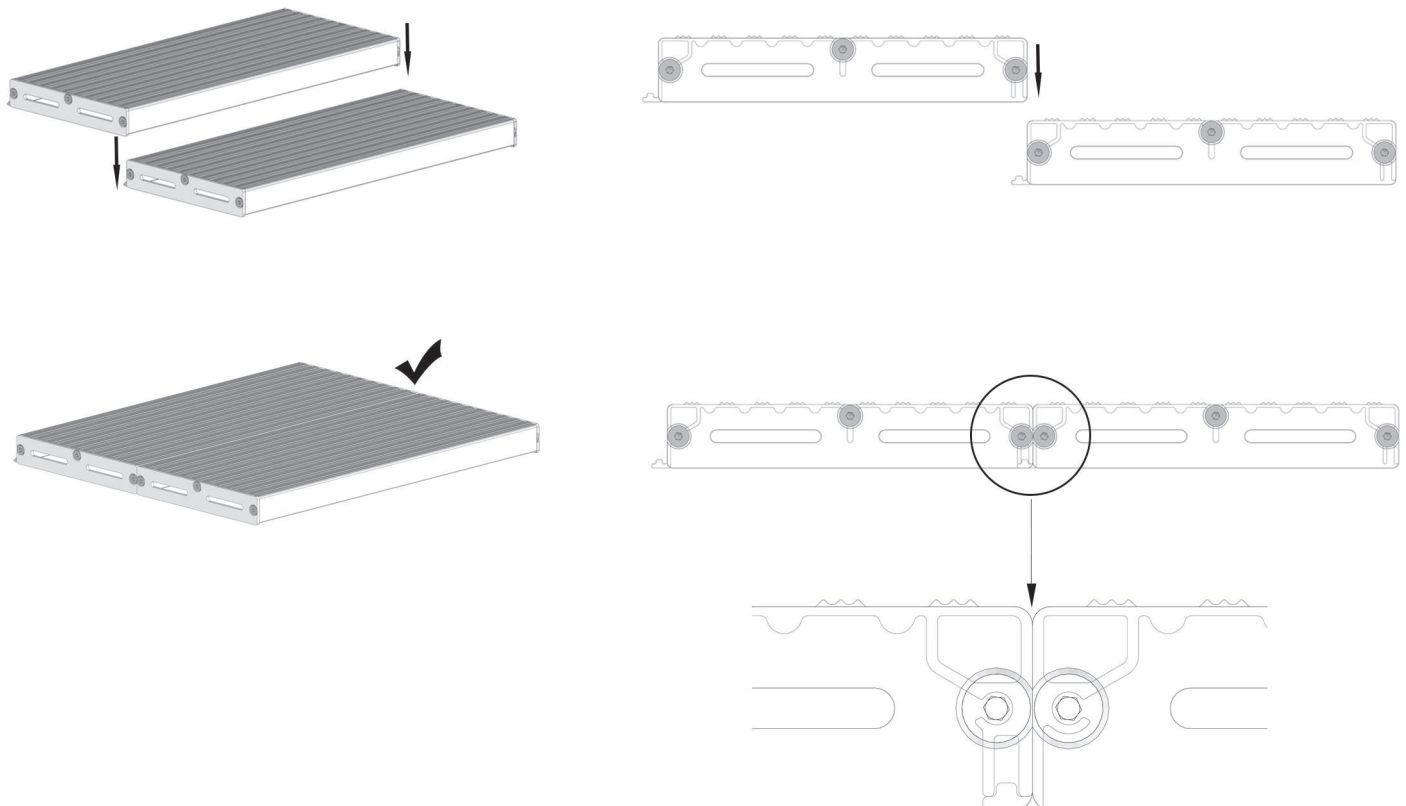
**SISTEMA DI MONTAGGIO**

ASSEMBLY SYSTEM  
SISTEMA DE MONTAJE  
SISTÈME DE MONTAGE  
MONTAGESYSTEM



**SISTEMA D'INCASTRO DELLO SCALINO PER LA REALIZZAZIONE DI UN PIANEROTTOLO**

BOLTLESS STEP SYSTEM FOR LANDING  
SISTEMA DE ENCLAVAMIENTO DEL ESCALÓN PARA LA REALIZACIÓN DE UN RELLANO  
SISTÈME D'ENCASTREMENT DU MARCHE POUR LA RÉALISATION D'UN PALIER  
STECKSYSTEM DER STUFE FÜR DIE UMSETZUNG EINES TREPPENABSATZ





# INDICE

INDEX  
ÍNDICE  
INDEX  
INDEX



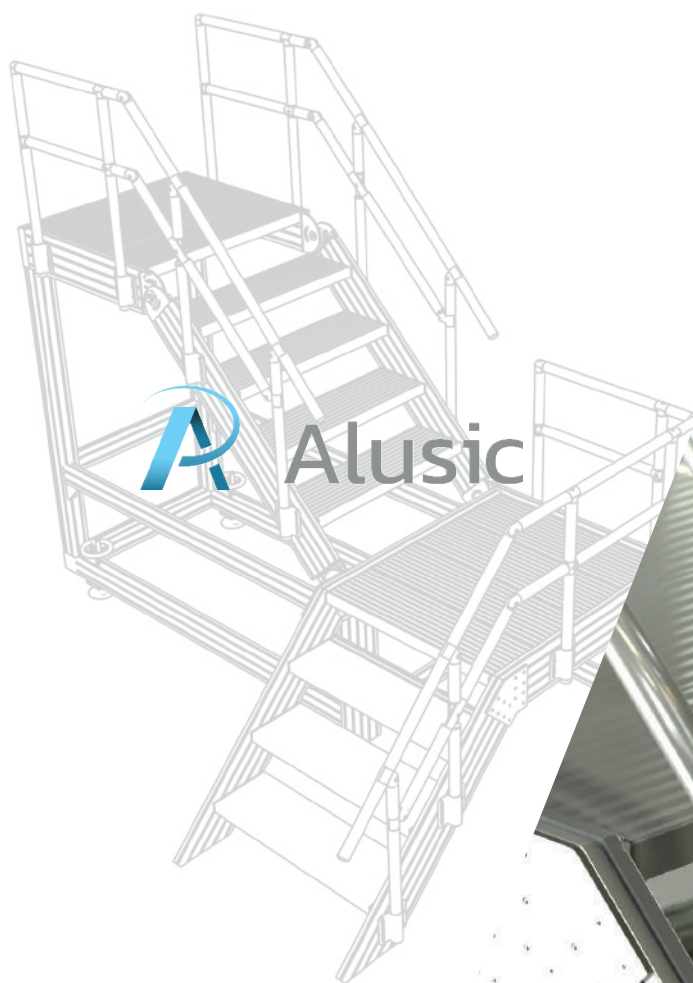
<b>COD.</b>	<b>PAG.</b>
084.101.022	6
084.101.065	5
084.101.066	5
084.201.022	6
084.201.022G	6
084.313.001	9
084.313.002	8
084.313.003	8
084.313.004	7
084.313.005	7
084.313.006	10
084.313.007	11
084.313.008	12
084.313.009	12
084.313.010	11
084.313.013	10
084.313.106	9



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