

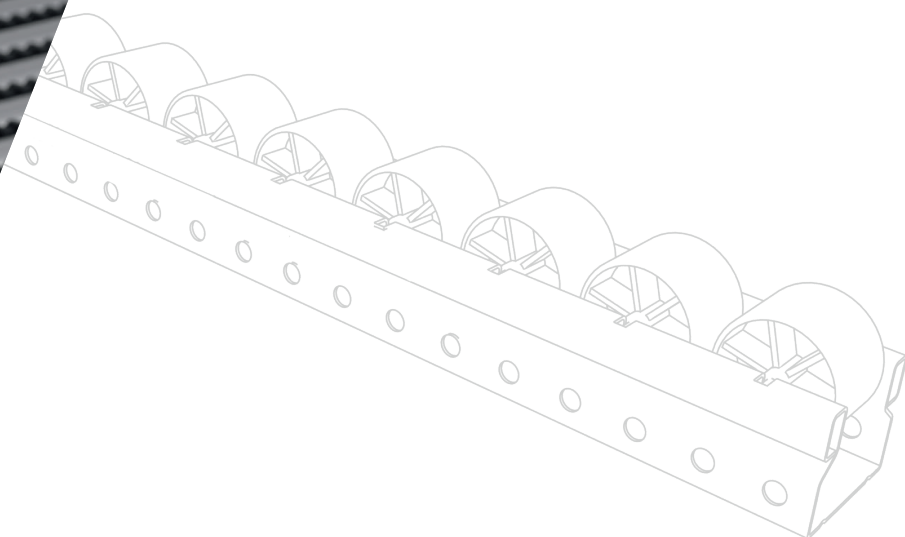
# LM LINE

ED. 13  
UPD. 01



# Alusic

LEAN MANUFACTURING





# LM LINE

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# Alusic

LEAN MANUFACTURING

EN

Alusic offers two solutions in order to fulfill the modern requirements as for lean manufacturing. The choice can be made between the traditional solution consisting of steel tubes and external joints and the modular one consisting of aluminium profiles and accessories, line deriving from Alusic's tradition in structural profiles manufacturing. The roller tracks are compatible with both systems. The two solutions contribute to achieve improvement in corporate structure and production.

IT

Alusic propone due tipi di soluzioni per soddisfare le moderne esigenze di lean manufacturing. Possiamo valutare sia la tradizionale soluzione composta da tubi e giunti esterni in acciaio o la soluzione modulare in alluminio composta da profili ed accessori, linea che deriva dalla tradizione Alusic con i profili strutturali. Le rulliere sono compatibili con entrambi i sistemi. Entrambe le soluzioni contribuiscono ad un miglioramento dell'organizzazione aziendale ed ad uno snellimento della produzione.

ES

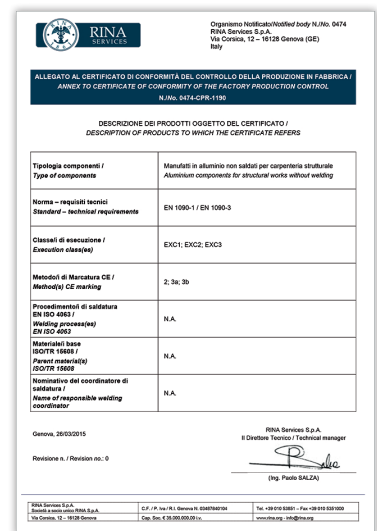
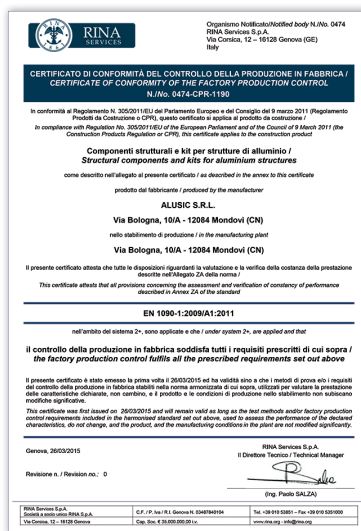
Alusic ofrece dos soluciones para satisfacer las modernas necesidades en el ámbito del lean manufacturing. Podemos evaluar la solución tradicional compuesta por tubos y uniones de acero como la solución modular compuesta por perfiles y accesorios de aluminio; línea que deriva de la tradición de Alusic con los perfiles estructurales. Los transportadores estándar son compatibles con ambos sistemas. Las dos soluciones contribuyen a mejorar la organización empresarial y la producción.

FR

Alusic propose deux solutions pour répondre aux modernes exigences du lean manufacturing. On peut choisir entre la solution traditionnelle composée de tubes et joints externes en acier et la solution modulaire composée de profilés et accessoires en aluminium, ligne qui dérive de l'expérience Alusic dans le secteur des profilés structurels. Les rails à galets sont compatibles avec les deux systèmes. Les deux solutions permettent une meilleure organisation de l'entreprise et de la production.

DE

Alusic bietet zwei Lösungen an, um die moderne Anforderungen in Bezug auf Lean Manufacturing zu befriedigen. Man kann wählen zwischen der traditionellen Lösung aus Stahl Rohre und Äußere Verbinder und der modularen Lösung aus Aluminium Profile und Zubehör; diese Linie stammt von der Alusic Tradition als Hersteller von Aluprofilen. Die Rollenschienen sind mit beiden Systemen kompatibel. Beide Lösungen verbessern die Unternehmensorganisation und die Produktion.



LEAN MANUFACTURING



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ROUNDED PROFILES/ PROFILI ARROTONDATI / PERFILES REDONDEADOS / PROFILÉS ARRONDIS / RUNDPROFILEN



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SYMBOLS / SIMBOLI / SÍMBOLOS / SYMBOLES / SYMBOLE



**Product for series 30 6 AC slot profiles**

Prodotto per profili serie 30 cava 6 AC  
 Producto para perfiles con ranura 6 AC serie 30  
 Produit pour profilés rainure 6 AC série 30  
 Produkt für Profile 6 AC Nut Reihe 30



**Product for series 45 8 AC slot profiles**

Prodotto per profili serie 45 cava 8 AC  
 Producto para perfiles con ranura 10 AC serie 8  
 Produit pour profilés rainure 10 AC série 8  
 Produkt für Profile 10 AC Nut Reihe 8



**Box**  
 Scatola  
 Caja  
 Boîte  
 Schachtel



**Load**  
 Portata  
 Carga  
 Charge  
 Tragkraft

**STAINLESS STEEL**

**Stainless steel product**

Prodotto in inox  
 Producto de acero inoxidable  
 Produit en acier inoxydable  
 Produkt aus rostfreiem Stahl

**CARBON**

**Carbon product**

Prodotto in carbonio  
 Producto de carbono  
 Produit en carbone  
 Produkt aus Carbon

**ITALIAN PATENT**

**Patented product**

Prodotto brevettato  
 Producto patentado  
 Produit breveté  
 Patentiertes Produkt

**PATENT**

**NEW**

**New product**

Prodotto nuovo  
 Nuevo producto  
 Nouveau produit  
 Neues Produkt

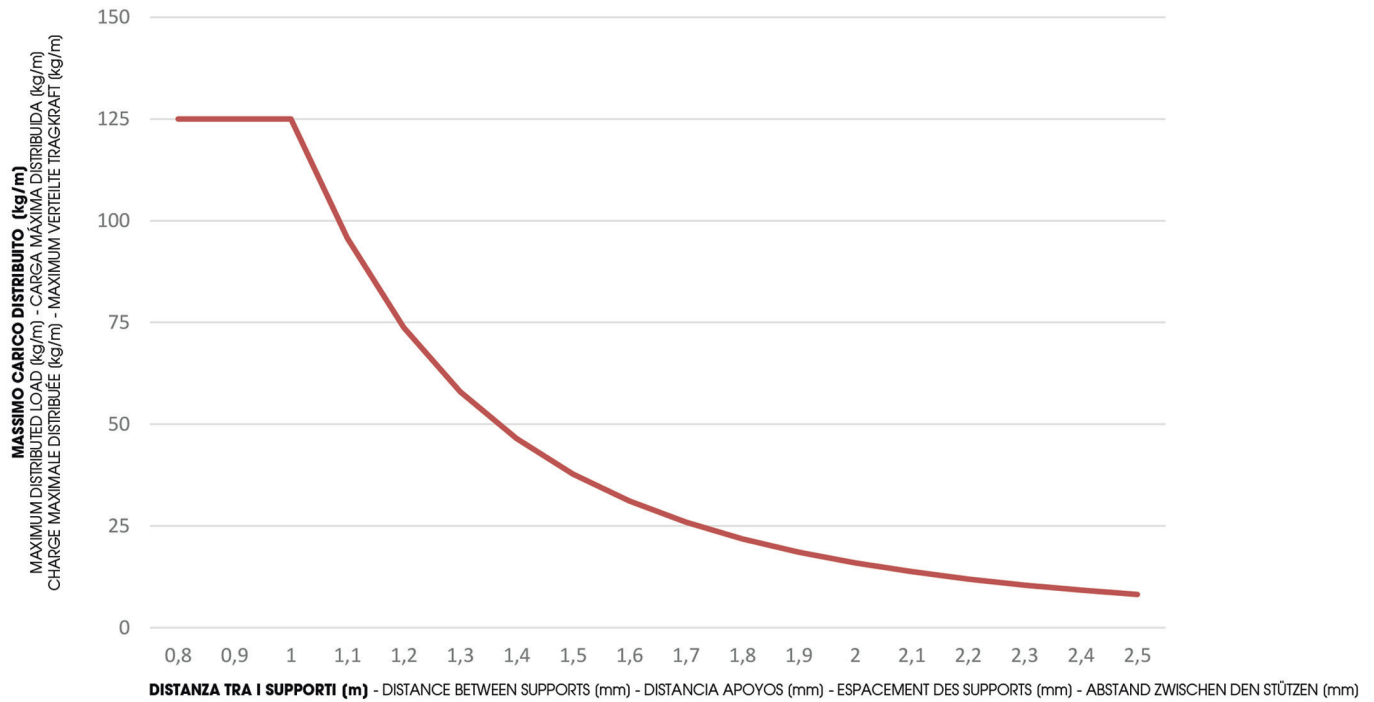
**LOAD DIAGRAM OF ROLLER TRACKS ACCORDING TO THE SUPPORT DISTANCE**

DIAGRAMMA DI CARICO DELLE RULLIERE IN BASE ALLA DISTANZA DEL SUPPORTO

DIAGRAMA DE CARGA DE LOS TRANSPORTADORES EN FUNCIÓN DE LA DISTANCIA DEL SOPORTE

DIAGRAMME DE CHARGE DES RAIL À GALET EN FONCTION DE LA DISTANCE DU SUPPORT

LASTDIAGRAMM DER ROLLENSCHIENEN AUF GRUNDLAGE DES ABSTANDS DER HALTERUNG





## **TUBES AND ACCESSORIES FOR GRAVITY SYSTEMS**

TUBI E ACCESSORI PER SISTEMI A GRAVITÀ  
TUBOS Y ACCESORIOS PARA SISTEMAS POR GRAVEDAD  
TUBES ET ACCESSOIRES POUR SYSTÈMES À GRAVITÉ  
ROHRE UND ZUBEHÖR FÜR LEAN-REGALSYSTEME

EN

The system processing is designed to supply the operator with the correct quantity of components during their assembly operations. This achieves a reduction in errors and processing times, as well as production improvement.

The system offers the following advantages:

- strong
- easy to assemble
- wide range of possible adjustments
- cost reductions
- reduction in supply times
- improvements to workstations

IT

Il sistema è studiato per avere a bordo linea la scorta necessaria dei componenti utilizzati dall'operatore durante la fase di montaggio favorendo così la riduzione di errori e tempi di lavorazione e il miglioramento della produzione.

Il sistema presenta dunque i seguenti vantaggi:

- robustezza
- facilità di montaggio
- elevata regolazione
- riduzione costi
- riduzione tempi di asservimento
- miglioramento postazioni di lavoro

ES

El sistema ha sido estudiado para disponer en la línea de la provisión necesaria de los componentes utilizados por el operador durante la fase de montaje. De este modo, el operador siempre cuenta con la cantidad adecuada de material y no pierde tiempo abandonando el puesto de trabajo sin necesidad; además, se reducen las posibilidades de error y los tiempos de trabajo, mejorando la producción.

El sistema ofrece las siguientes ventajas:

- robustez
- facilidad de montaje
- gran capacidad de ajuste
- disminución de los costes
- reducción de los tiempos de interconexión
- mejora de los puestos de trabajo

FR

Le système est conçu pour avoir sur la ligne le stock nécessaire de composants utilisés par l'opérateur pendant la phase de montage. Ainsi, l'opérateur dispose toujours de la quantité adéquate de matériel et ne perd pas de temps en devant abandonner son poste de travail lorsque cela n'est pas nécessaire. De cette façon, les possibilités d'erreurs diminuent, tout comme les durées de fabrication, améliorant ainsi la production.

Le système comporte donc les avantages suivants:

- solidité
- facilité de montage
- capacité de réglage élevée
- réduction des coûts
- réduction des durées d'asservissement
- amélioration des postes de travail

DE

Das System wurde konzipiert, damit der Bediener alle erforderlichen Bauteile für die Montagearbeiten direkt neben der Linie zur Verfügung hat. Auf diese Weise verliert er keine Zeit durch unnötiges Verlassen des Arbeitsplatzes. Außerdem mindert das System die Möglichkeit, Fehler zu machen, reduziert die Arbeitszeiten und verbessert damit die Produktion.

Das System bietet folgende Vorteile:

- Robustheit
- Montagefreundlichkeit
- große Verstellmöglichkeit
- Kostenreduzierung
- kürzere Zuführzeiten
- Arbeitsplatzverbesserung



**TECHNICAL SPECIFICATIONS**

SPECIFICHE TECNICHE / ESPECIFICACIONES TÉCNICAS / CARACTÉRISTIQUES TECHNIQUES / TECHNISCHE SPEZIFIKATIONEN

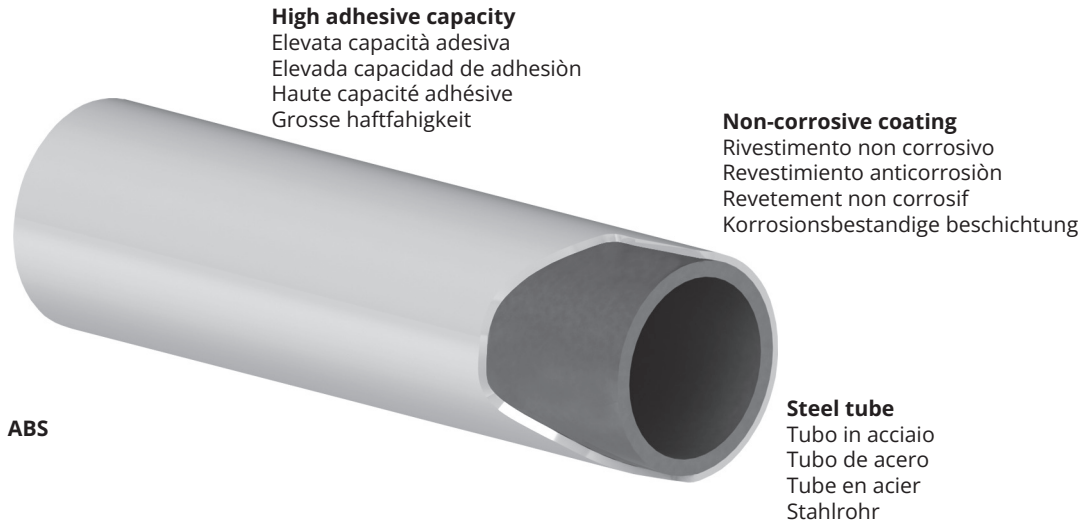
**The steel tubes are coated with ABS, a plastic material which is resistant to chemicals, automotive oils and corrosion.**

Il tubo d'acciaio è rivestito di ABS, un materiale resistente alle aggressioni chimiche, agli oli utilizzati nell'industria automotive e alla corrosione.

El tubo de acero está revestido con ABS, un material resistente a las agresiones químicas, a los aceites usados en la industria automovilística y a la corrosión.

Le tube en acier est revêtu d'ABS, un matériau résistant aux agressions chimiques, aux huiles utilisées dans l'industrie automobile et à la corrosion.

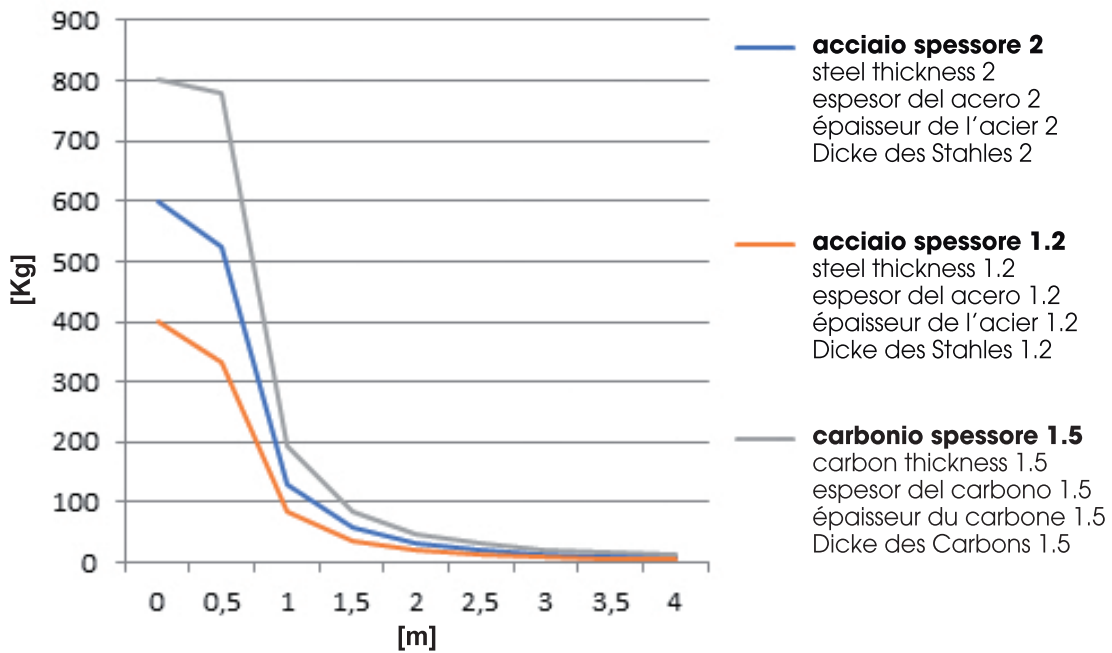
Das Stahlrohr ist ABS-beschichtet, ein gegenüber chemischen Angriffen, Ölen der Automobilindustrie und Korrosion beständiges Material.



**LOAD DIAGRAM ACCORDING TO THE SUPPORT DISTANCE**

DIAGRAMMA DI CARICO IN BASE ALLA DISTANZA DEL SUPPORTO / DIAGRAMA DE CARGA EN FUNCIÓN DE LA DISTANCIA DEL SOPORTE

DIAGRAMME DE CHARGE EN FONCTION DE LA DISTANCE DU SUPPORT / LASTDIAGRAMM AUF GRUNDLAGE DES ABSTANDS DER HALTERUNG





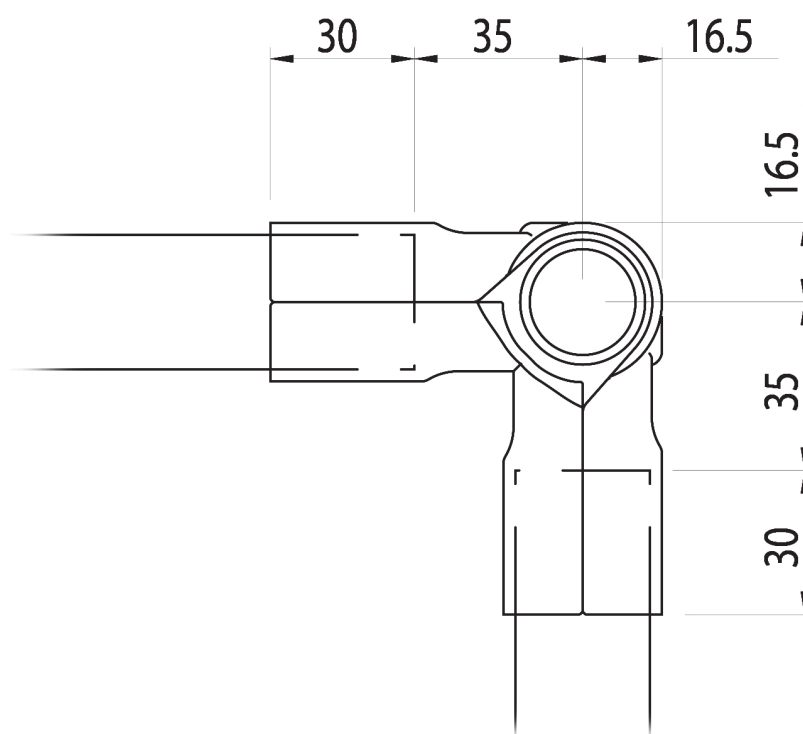
### TECHNICAL SPECIFICATIONS

SPECIFICHE TECNICHE / ESPECIFICACIONES TÉCNICAS / CARACTÉRISTIQUES TECHNIQUES / TECHNISCHE SPEZIFIKATIONEN



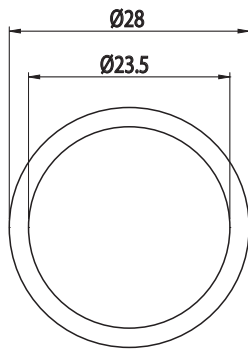
### INSERTION DISTANCES

DISTANZE DI INSERIMENTO / DISTANCIAS DE INTRODUCCIÓN / DISTANCES D'INTRODUCTION / EINSATZABSTÄNDE



**STEEL TUBE**

TUBO IN ACCIAIO  
TUBO IN ACERO  
TUBE EN ACIER  
STAHLROHR



Cod	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>015.028.001</b>	0.69	0.69	0.53	0.53	85	0.66

**Steel**

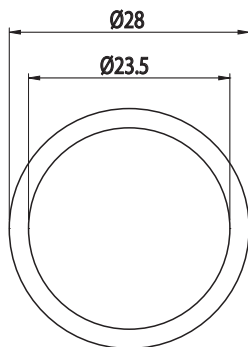
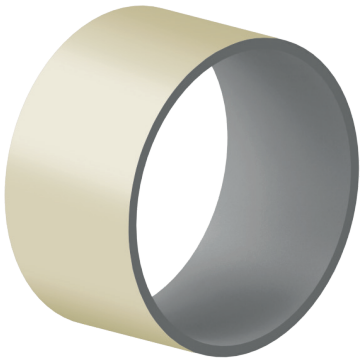
Acciaio  
Acero  
Acier  
Sthal

**L=4000 mm****White ABS**

ABS bianco  
ABS blanco  
ABS blanc  
ABS weiß

**L=4000 mm****STEEL TUBE**

TUBO IN ACCIAIO  
TUBO IN ACERO  
TUBE EN ACIER  
STAHLROHR



Cod	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>015.028.001A</b>	0.69	0.69	0.53	0.53	85	0.66

**Steel**

Acciaio  
Acero  
Acier  
Sthal

**L=4000 mm****Ivory ABS**

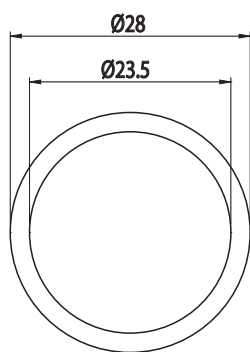
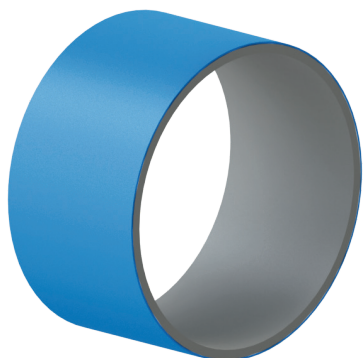
ABS avorio  
ABS marfil  
ABS ivoire  
ABS elfenbein

**L=4000 mm**



**STEEL TUBE**  
TUBO IN ACCIAIO  
TUBO IN ACERO  
TUBE EN ACIER  
STAHLROHR

Cod	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>015.028.001B</b>	0.69	0.69	0.53	0.53	85	0.66

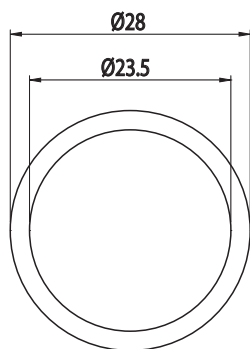


**Steel**  
Acciaio  
Acero  
Acier  
Sthal  
**L=4000 mm**

**Blue ABS**  
ABS blu  
ABS azul  
ABS bleu  
ABS blau  
**L=4000 mm**

**STEEL TUBE**  
TUBO IN ACCIAIO  
TUBO IN ACERO  
TUBE EN ACIER  
STAHLROHR

Cod	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>015.028.001DB</b>	0.69	0.69	0.53	0.53	85	0.66



**Steel**  
Acciaio  
Acero  
Acier  
Sthal  
**L=4000 mm**

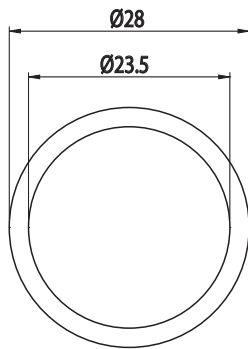
**Dark blue ABS**  
ABS blu scuro  
ABS azul oscuro  
ABS bleu foncé  
ABS dunkelblau  
**L=4000 mm**



**STEEL TUBE**

TUBO IN ACCIAIO  
TUBO IN ACERO  
TUBE EN ACIER  
STAHLROHR

Cod	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>015.028.001ESD</b>	0.69	0.69	0.53	0.53	85	0.66



**Steel**

Acciaio  
Acero  
Acier  
Sthal  
**L=4000 mm**

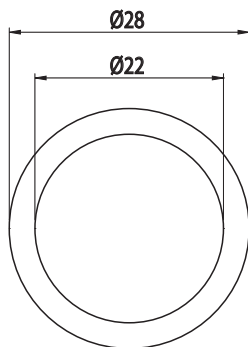
**Black ABS**

ABS nero  
ABS negro  
ABS noir  
ABS schwarz  
**L=4000 mm**

**STEEL TUBE**

TUBO IN ACCIAIO  
TUBO IN ACERO  
TUBE EN ACIER  
STAHLROHR

Cod	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>015.028.002</b>	1,04	1,04	0,81	0,81	148,00	1,14



**Steel**

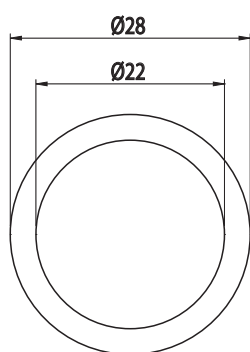
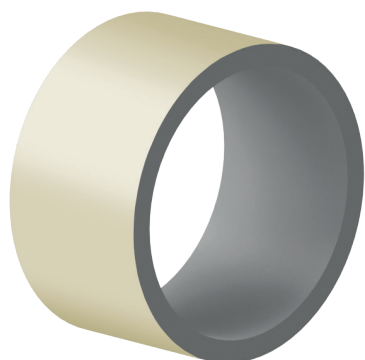
Acciaio  
Acero  
Acier  
Sthal  
**L=4000 mm**

**White ABS**

ABS bianco  
ABS blanco  
ABS blanc  
ABS weiß  
**L=4000 mm**



**STEEL TUBE**  
TUBO IN ACCIAIO  
TUBO IN ACERO  
TUBE EN ACIER  
STAHLROHR



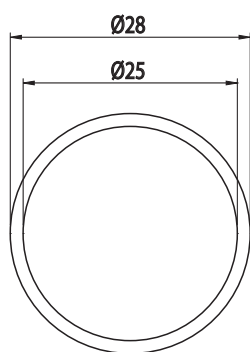
Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>015.028.002A</b>	1,04	1,04	0,81	0,81	148,00	1,14

**Steel**  
Acciaio  
Acero  
Acier  
Sthal  
**L=4000 mm**

**Ivory ABS**  
ABS avorio  
ABS marfil  
ABS ivoire  
ABS elfenbein  
**L=4000 mm**

**CARBON TUBE**  
TUBO IN CARBONIO  
TUBO DE CARBONO  
TUBE EN CARBONE  
CARBONROHR

**CARBON**



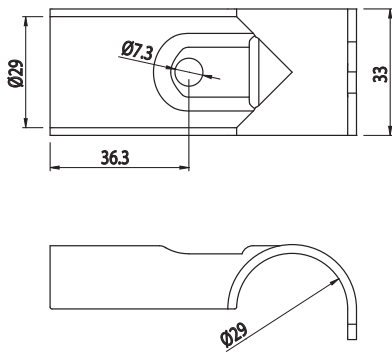
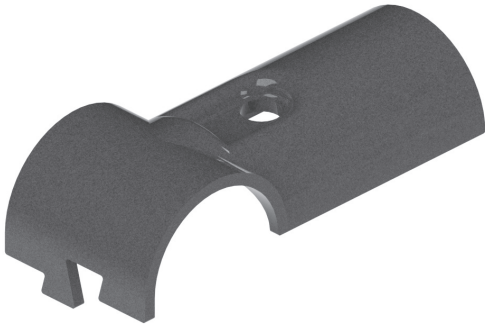
Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>015.028.015C</b>	1,10	1,10	0,79	0,79	124,90	0,20

**Carbon**  
Carbonio  
Carbano  
Carbone  
Carbon  
**L=4000 mm**



**90° HALF JOINT**

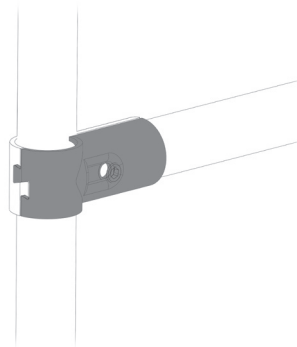
MEZZO GIUNTO 90°  
 MEDIA UNIÓN 90°  
 DEMI-JOINT 90°  
 VERBINDERHÄLFTE 90°



Cod	Note	g
<b>015.100.001</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	65
<b>015.100.001ESD</b>	Nickel-plated - Nichelato - Niquelado - Nickelé - Vernickelt	65

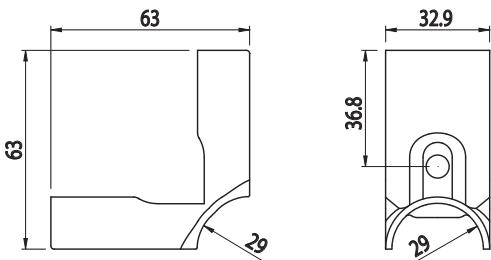
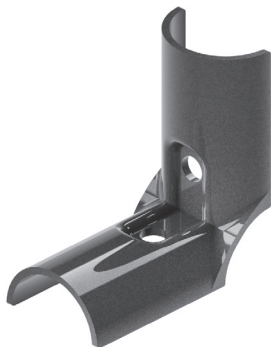
**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben



**90° INTERNAL JOINT**

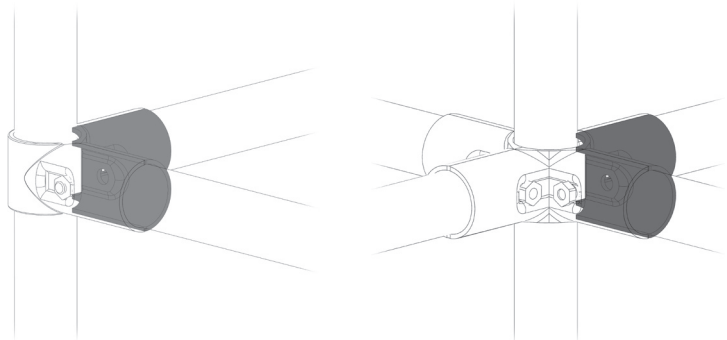
GIUNTO INTERNO 90°  
 UNIÓN INTERIOR 90°  
 JOINT INTERNE 90°  
 INNENSEITIGER VERBINDER 90°



Cod	Note	g
<b>015.100.002</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	80
<b>015.100.002ESD</b>	Nickel-plated - Nichelato - Niquelado - Nickelé - Vernickelt	80

**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

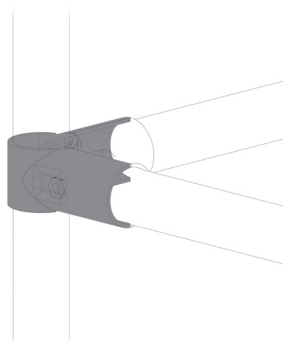
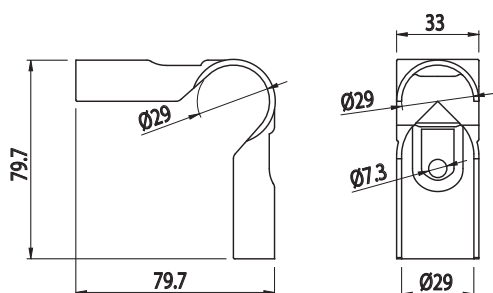
**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben





### 270° EXTERNAL JOINT

GIUNTO ESTERNO 270°  
UNIÓN EXTERIOR 270°  
JOINT EXTERNE 270°  
AUSSENSEITIGER VERBINDER 270°



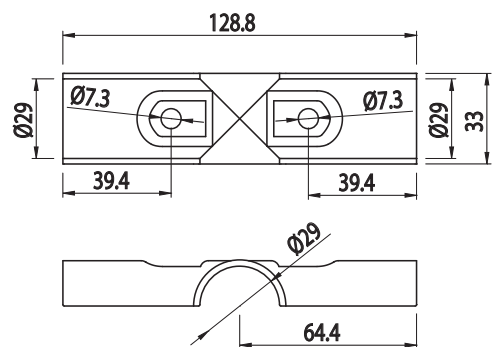
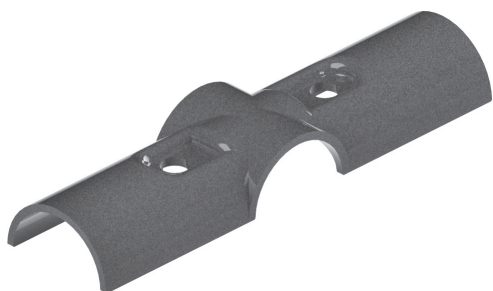
Cod	Note	g
015.100.003	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	110
015.100.003ESD	Nickel-plated - Nichelato - Niquelado - Nickelé - Vernickelt	110

**Steel**  
Acciaio  
Acero  
Acier  
Stahl

**Supplied without screws**  
Fornito senza viteria  
No incluye tornillería  
Fourni sans vis  
Ohne Schrauben

### 180° HALF JOINT

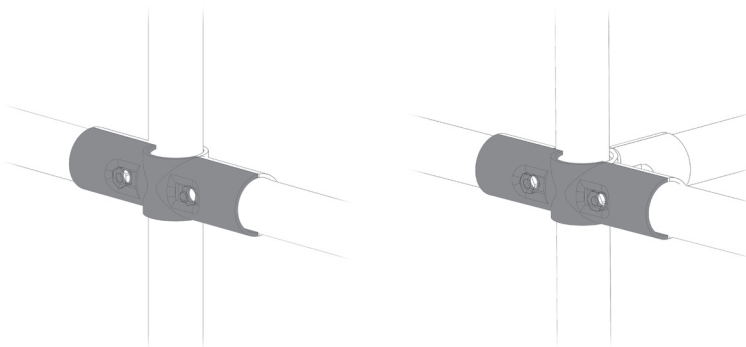
MEZZO GIUNTO 180°  
MEDIA UNIÓN 180°  
DEMI-JOINT 180°  
VERBINDERHALFTE 180°



Cod	Note	g
015.100.004	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	100
015.100.004ESD	Nickel-plated - Nichelato - Niquelado - Nickelé - Vernickelt	100

**Steel**  
Acciaio  
Acero  
Acier  
Stahl

**Supplied without screws**  
Fornito senza viteria  
No incluye tornillería  
Fourni sans vis  
Ohne Schrauben



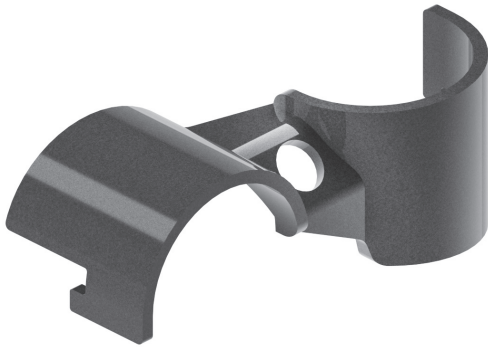




**PERPENDICULAR HALF JOINT**

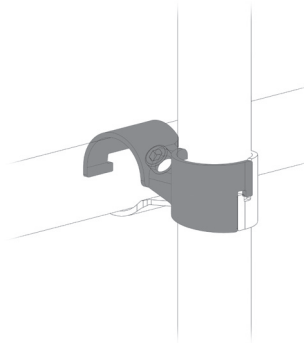
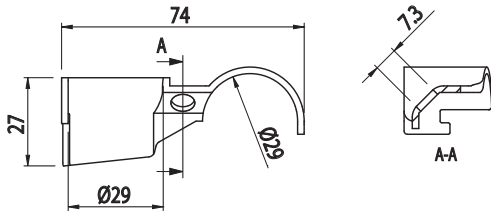
MEZZO GIUNTO PERPENDICOLARE  
 MEDIA UNIÓN PERPENDICULAR  
 DEMI-JOINT PERPENDICULAIRE  
 VERBINDERHÄLFTE KREUZSTÜCK

Cod	Note	g
<b>015.100.006</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	45



**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben



**EXTERNAL HALF JOINT FOR ARTICULATION**

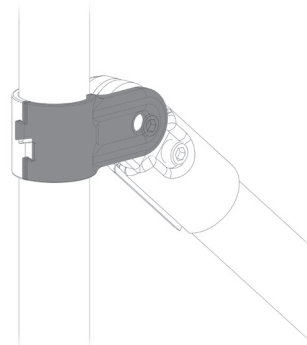
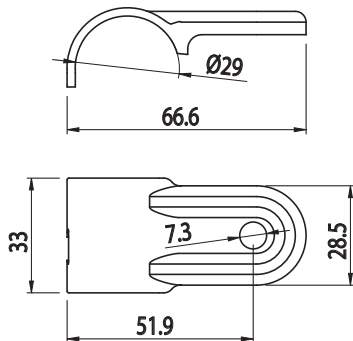
MEZZO GIUNTO ESTERNO PER SNODO  
 MEDIA UNIÓN EXTERIOR PARA ARTICULACIÓN  
 DEMI-JOINT EXTERNE POUR JOINT ARTICULÉ  
 VERBINDERHÄLFTE AUSSENSEITIG FÜR GELENKVERB

Cod	Note	g
<b>015.100.007A</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	50
<b>015.100.007AESD</b>	Nickel-plated - Nichelato - Niquelado - Nickelé - Vernickelt	50



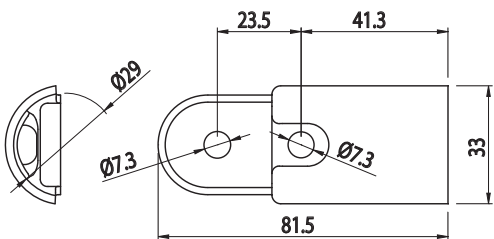
**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben



**INTERNAL HALF JOINT FOR ARTICULATION**

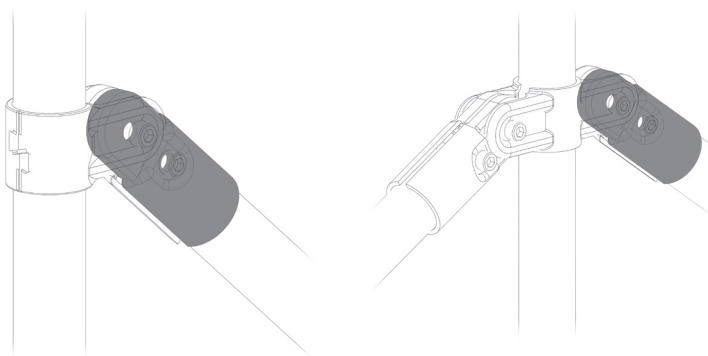
MEZZO GIUNTO INTERNO PER SNODO  
 MEDIA UNIÓN INTERIOR PARA ARTICULACIÓN  
 DEMI-JOINT INTERNE POUR JOINT ARTICULÉ  
 VERBINDERHÄLFTE INNENSEITIG FÜR GELENKVERB



Cod	Note	g
<b>015.100.007B</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	70
<b>015.100.007BESD</b>	Nickel-plated - Nichelato - Niquelado - Nickelé - Vernickelt	70

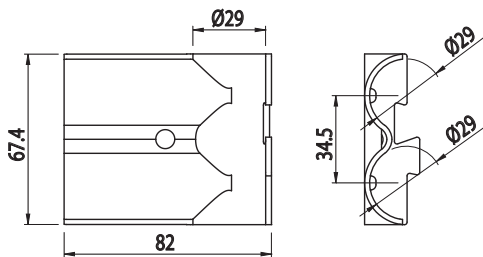
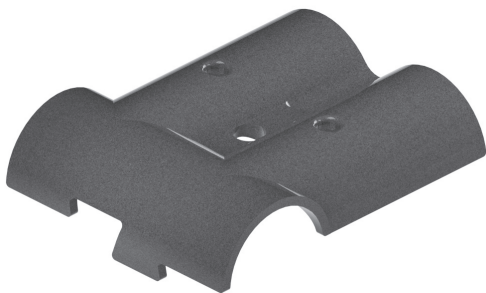
**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben



**90° DOUBLE HALF JOINT**

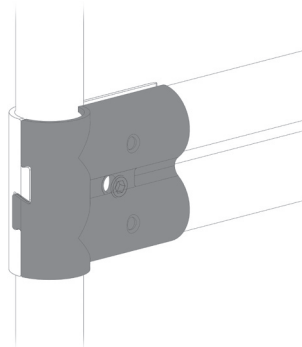
MEZZO GIUNTO 90° DOPPIO  
 MEDIA UNIÓN 90° DOBLE  
 DEMI-JOINT 90° DOUBLE  
 VERBINDERHÄLFTE 90° DOPPELT



Cod	Note	g
<b>015.100.009</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	120

**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben





**90° SLIDING HALF JOINT**

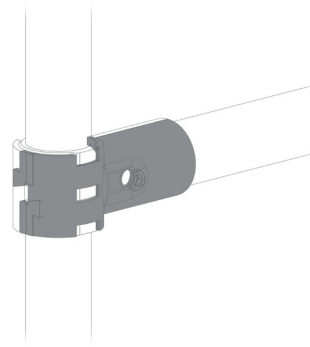
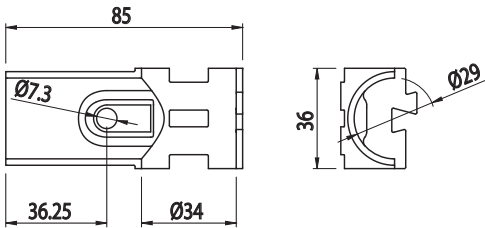
MEZZO GIUNTO 90° SCORREVOLE  
 MEDIA UNIÓN 90° DESLIZANTE  
 DEMI-JOINT 90° COULISSANT  
 VERBINDERHÄLFTE 90° GLEITEND

Cod	Note	g
<b>015.100.012</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	80



**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

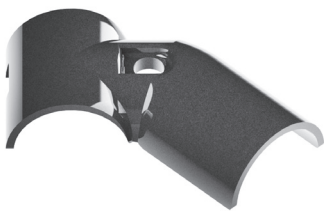
**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben



**45° HALF JOINT, RIGHT-HAND**

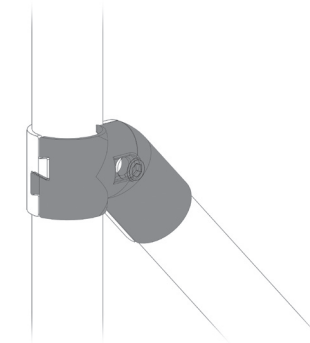
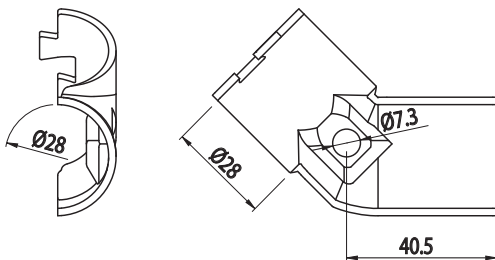
MEZZO GIUNTO 45° DESTRO  
 MEDIA UNIÓN 45° DERECHA  
 DEMI-JOINT 45° DROIT  
 VERBINDERHÄLFTE 45° RECHTS

Cod	Note	g
<b>015.100.013A</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	60



**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben





**45° HALF JOINT, LEFT-HAND**

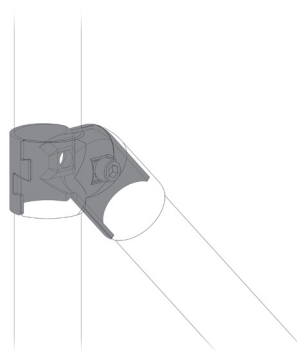
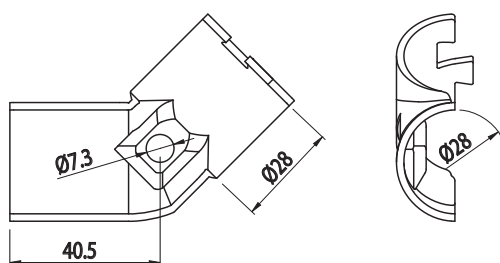
MEZZO GIUNTO 45° SINISTRO  
MEDIA UNIÓN 45° IZQUIERDA  
DEMI-JOINT 45° GAUCHE  
VERBINDERHÄLFTE 45° LINKS

Cod	Note	g
<b>015.100.013B</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	60



**Steel**  
Acciaio  
Acero  
Acier  
Stahl

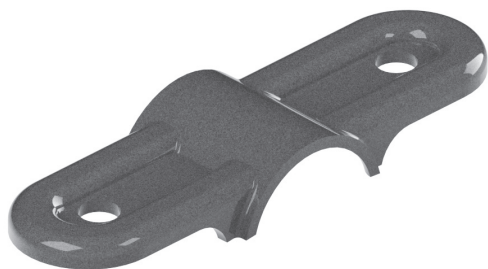
**Supplied without screws**  
Fornito senza viteria  
No incluye tornillería  
Fourni sans vis  
Ohne Schrauben



**HALF JOINT FOR DOUBLE ARTICULATION**

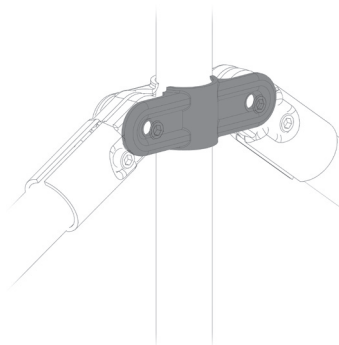
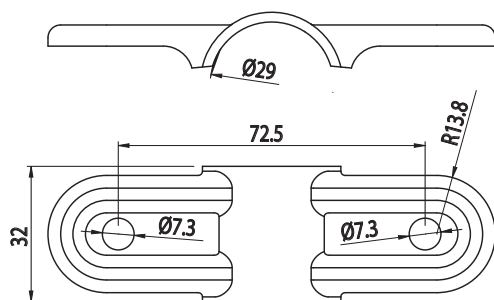
MEZZO GIUNTO PER SNODO DOPPIO  
MEDIA UNIÓN PARA ARTICULACIÓN DOBLE  
DEMI-JOINT POUR JOINT ARTICULÉ DOUBLE  
VERBINDERHÄLFTE FÜR DOPPELGELENKVERB.

Cod	Note	g
<b>015.100.014</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	65



**Steel**  
Acciaio  
Acero  
Acier  
Stahl

**Supplied without screws**  
Fornito senza viteria  
No incluye tornillería  
Fourni sans vis  
Ohne Schrauben





**HALF JOINT, LOWER SHELF SUPPORT**

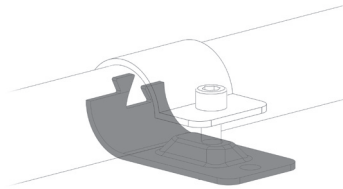
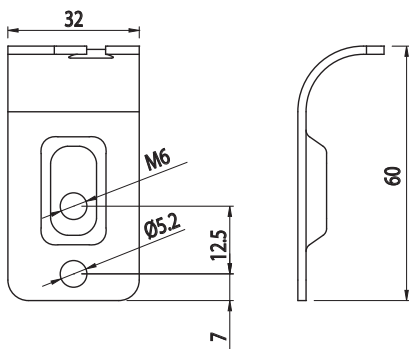
MEZZO GIUNTO PORTA RIPIANI PARTE INFERIORE  
 MEDIA UNIÓN PORTA-ESTANTES PARTE INFERIOR  
 DEMI-JOINT SUPPORT ÉTAGÈRES PARTIE INFÉRIEURE  
 VERBINDERHÄLFTE FACHHALTER UNTEN

Cod	Note	g
015.100.015A	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	40



**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

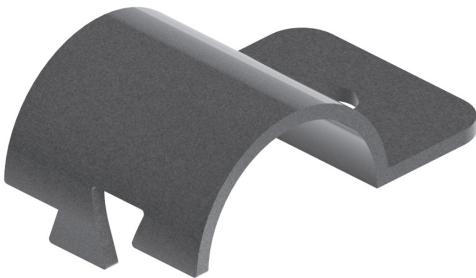
**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben



**HALF JOINT, UPPER SHELF SUPPORT**

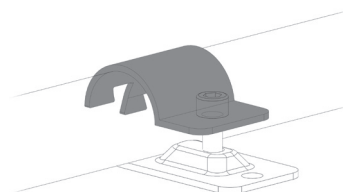
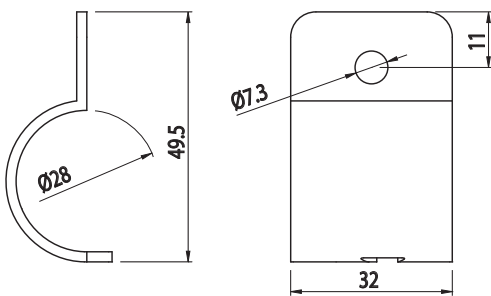
MEZZO GIUNTO PORTA RIPIANI PARTE SUPERIORE  
 MEDIA UNIÓN PORTA-ESTANTES PARTE SUPERIOR  
 DEMI-JOINT SUPPORT ÉTAGÈRES PARTIE SUPÉRIEURE  
 VERBINDERHÄLFTE FACHHALTER OBEN

Cod	Note	g
015.100.015B	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	37



**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben

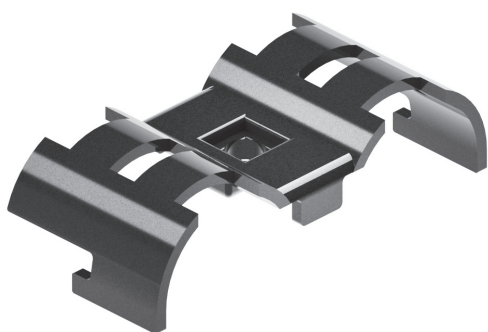




### HALF JOINT, PARALLEL SLIDING

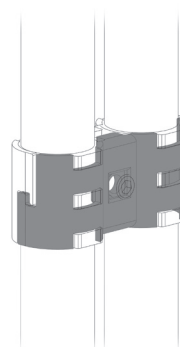
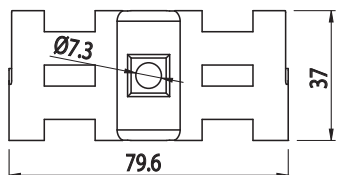
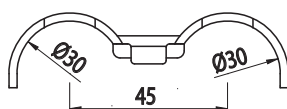
MEZZO GIUNTO PARALLELO SCORREVOLE  
MEDIA UNIÓN PARALELA DESLIZANTE  
DEMI-JOINT PARALLÈLE COULISSANT  
VERBINDERHÄLFTE PARALLEL GLEITEND

Cod	Note	g
<b>015.100.018</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	57



**Steel**  
Acciaio  
Acero  
Acier  
Stahl

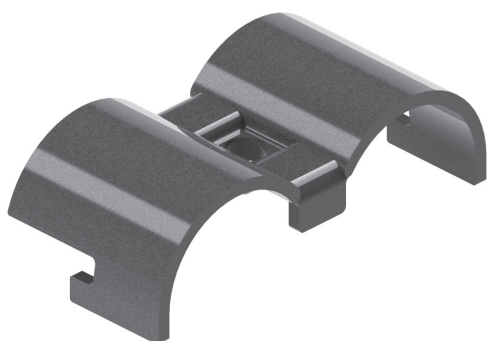
**Supplied without screws**  
Fornito senza viteria  
No incluye tornillería  
Fourni sans vis  
Ohne Schrauben



### PARALLEL HALF JOINT

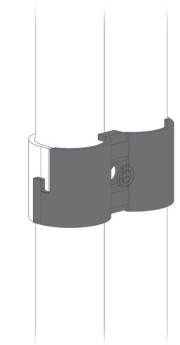
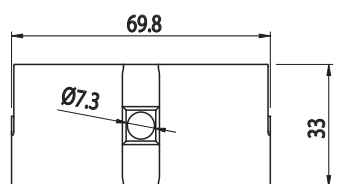
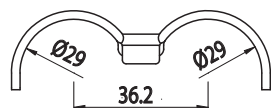
MEZZO GIUNTO PARALLELO  
MEDIA UNIÓN PARALELA  
DEMI-JOINT PARALLÈLE  
VERBINDERHÄLFTE PARALLEL

Cod	Note	g
<b>015.100.028</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	49
<b>015.100.028ESD</b>	Nickel-plated - Nichelato - Niquelado - Nickelé - Vernickelt	49



**Steel**  
Acciaio  
Acero  
Acier  
Stahl

**Supplied without screws**  
Fornito senza viteria  
No incluye tornillería  
Fourni sans vis  
Ohne Schrauben

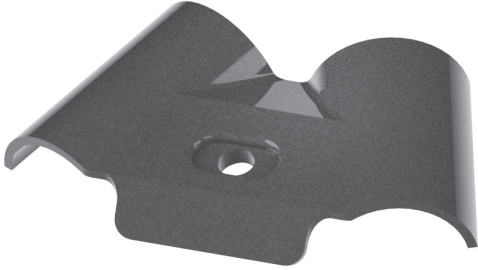




**45° HALF JOINT**

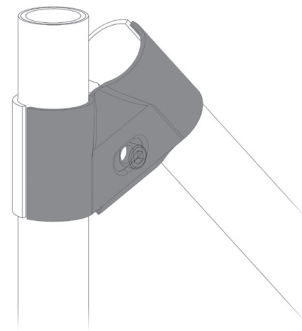
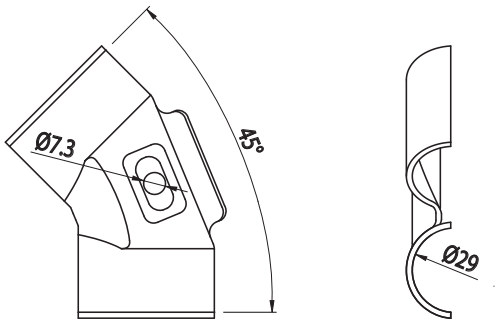
MEZZO GIUNTO 45°  
 MEDIA UNIÓN 45°  
 DEMI-JOINT 45°  
 VERBINDERHÄLFTE 45°

Cod	Note	g
<b>015.100.045</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	70



**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben



**90° RADIAL HALF JOINT**

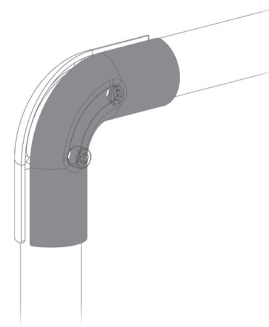
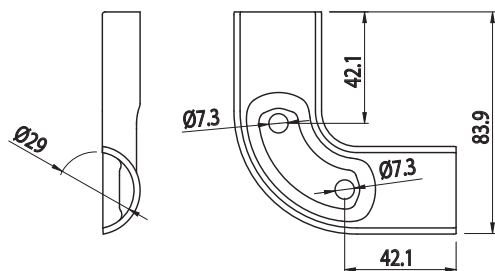
MEZZO GIUNTO 90° RAGGIATO  
 MEDIA UNIÓN 90° CODO RADIAL  
 DEMI-JOINT 90° RAYONNÉ  
 VERBINDERHÄLFTE 90° GEBOGEN

Cod	Note	g
<b>015.100.090</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	100
<b>015.100.090ESD</b>	Nickel-plated - Nichelato - Niquelado - Nickelé - Vernickelt	100



**Steel**  
 Acciaio  
 Acero  
 Acier  
 Stahl

**Supplied without screws**  
 Fornito senza viteria  
 No incluye tornillería  
 Fourni sans vis  
 Ohne Schrauben





**HALF JOINT TUBE - ALUMINIUM PROFILE**

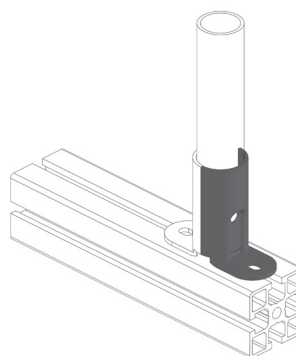
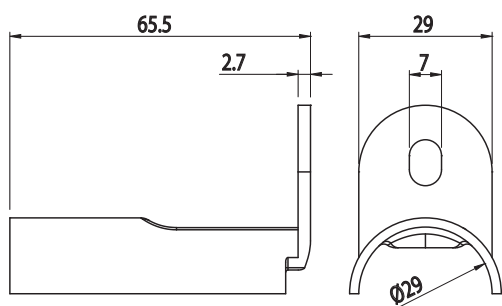
MEZZO GIUNTO TUBO - PROFILO IN ALLUMINIO  
MEDIA UNIÓN 90° CODO RADIAL  
DEMI-JOINT 90° RAYONNÉ  
VERBINDERHÄLFTE 90° GEBOGEN

Cod	Note	g
<b>015.100.016</b>	Black coated - Verniciato nero - Pintado negro - Peint en noir - Schwarz lackiert	55



**Steel**  
Acciaio  
Acero  
Acier  
Stahl

**Supplied without screws**  
Fornito senza viteria  
No incluye tornillería  
Fourni sans vis  
Ohne Schrauben



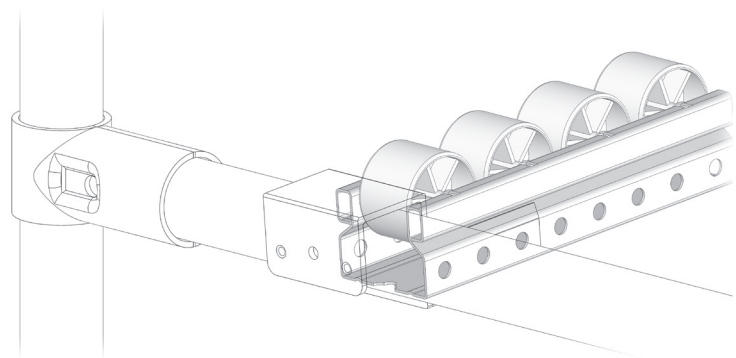
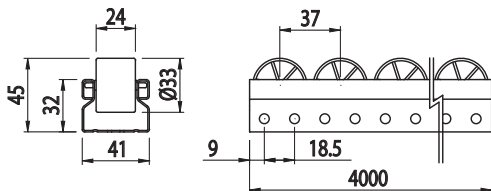
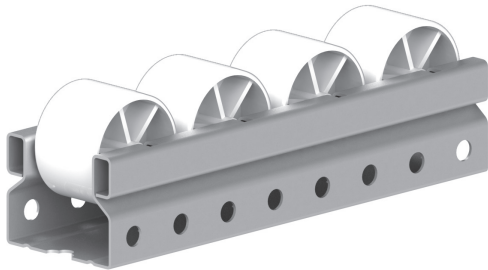




**STANDARD ROLLER TRACK, FLAT ROLLERS**

RULLIERA STANDARD ROTELLA PIATTA  
 TRANSPORTADOR ESTÁNDAR, RUEDA PLANA  
 RAIL À GALET STANDARD ROULETTE PLAT  
 STANDARD-ROLLENSCHIEN MIT FLACHEN ROLLEN

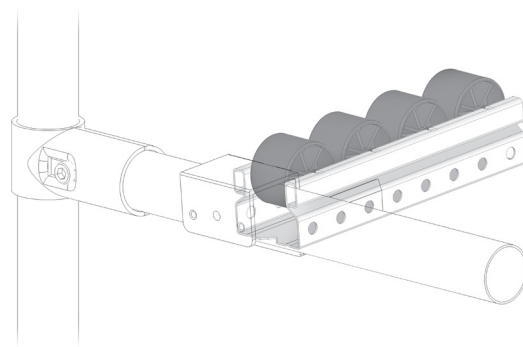
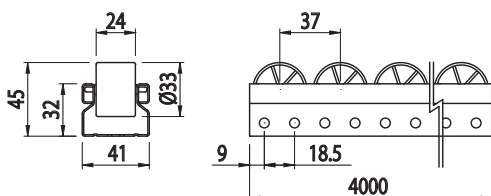
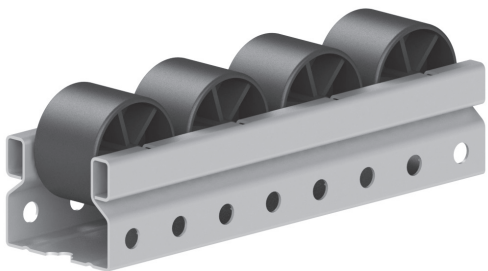
Cod	Note	Kg/m
<b>015.200.006</b>	ø 34 roller / 4 m bars - Rotella ø 34 / barre da 4 m - Rueda ø 34 / Barras de 4 m - Roulette ø 34 / barres de 4 m - Rolle ø 34 / 4-m-Bahnen	1,30



**STANDARD ROLLER TRACK, FLAT ROLLERS**

RULLIERA STANDARD ROTELLA PIATTA  
 TRANSPORTADOR ESTÁNDAR, RUEDA PLANA  
 RAIL À GALET STANDARD ROULETTE PLAT  
 STANDARD-ROLLENSCHIEN MIT FLACHEN ROLLEN

Cod	Note	Kg/m
<b>015.200.017</b>	ø 34 roller / 4 m bars - Rotella ø 34 / barre da 4 m - Rueda ø 34 / Barras de 4 m - Roulette ø 34 / barres de 4 m - Rolle ø 34 / 4-m-Bahnen	1,30

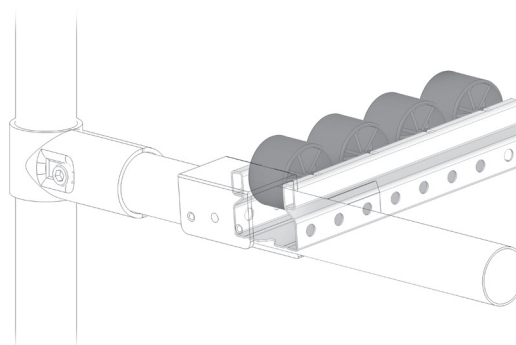
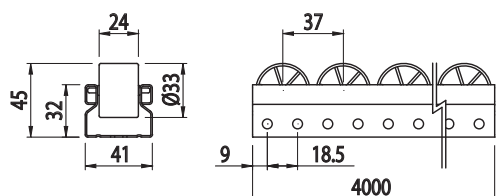
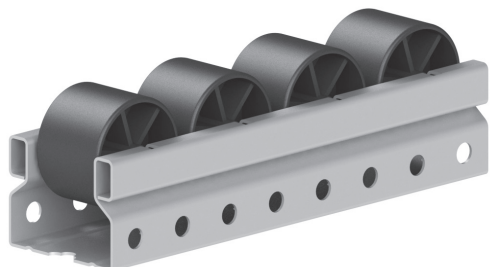




**STANDARD ESD FLAT ROLLER TRACK**

RULLIERA PIATTA STANDARD ESD  
TRANSPORTADOR PLANO ESTÁNDAR ESD  
RAIL À GALET PLAT STANDARD ESD  
FLACHE STANDARD-ROLLENSCHIEN ESD

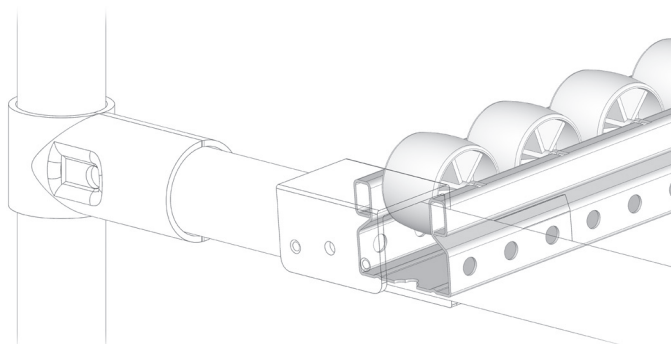
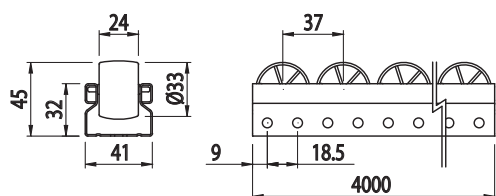
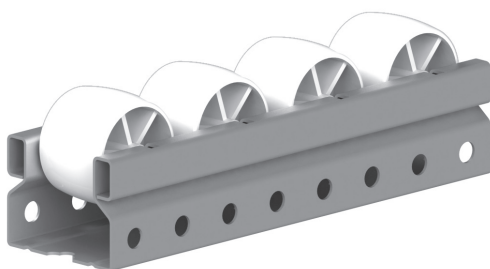
Cod	Note	Kg/m
<b>015.200.012</b>	ø 34 roller / 4 m bars - Rotella ø34 / barre da 4 m - Rueda ø 34 / Barras de 4 m - Roulette ø 34 / barres de 4 m - Rolle ø 34 / 4-m-Bahnen	1,30



**STANDARD ROLLER TRACK, CONVEX ROLLERS**

RULLIERA STANDARD ROTELLA BOMBATA  
TRANSPORTADOR ESTÁNDAR, RUEDA ABOMBADA  
RAIL À GALET STANDARD ROULETTE BOMBÉE  
STAND.-ROLLENSCHIEN MIT GEWÖLBTEN ROLLEN

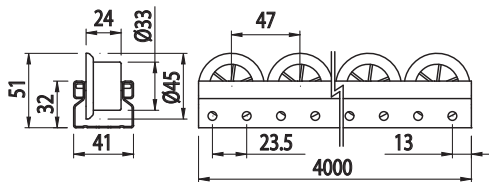
Cod	Note	Kg/m
<b>015.200.011</b>	ø 34 roller / 4m bars - Rotella ø34 / barre da 4m - Rueda ø 34 / Barras de 4m - Roulette ø 34 / barres de 4m - Rolle ø 34 / 4-m-Bahnen	1,30



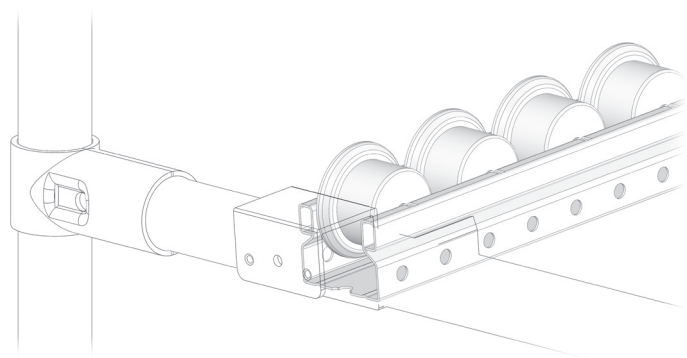


**ROLLER TRACK WITH FLANGED ROLLERS**

RULLIERA CON SPONDA  
 TRANSPORTADOR CON GUÍA  
 RAIL À GALET AVEC BORD  
 ROLLENSCHIEN MIT WAND

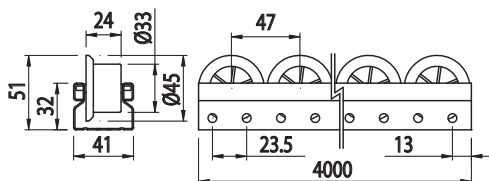
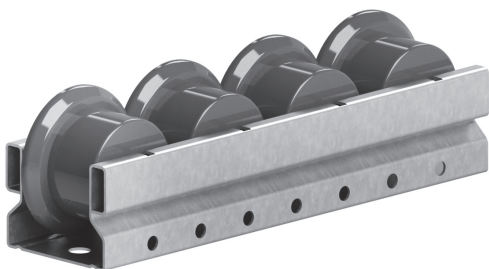


Cod	Note	Kg/m
<b>015.200.007</b>	ø 34 roller with flanged rollers / 4 m bars - Rotella ø 34 con sponda / barra da 4 m - Rueda ø 34 con guía / Barras de 4 m - Roulette ø 34 avec bord / barres de 4 m - Geflanschte Rolle ø 34 / 4-m-Bahnen	1,30

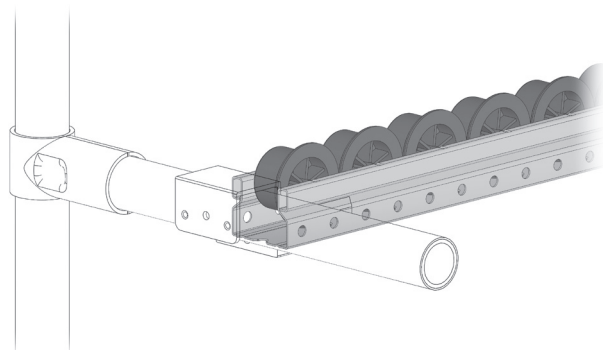


**ROLLER TRACK WITH ESD FLANGED ROLLERS**

RULLIERA CON SPONDA ESD  
 TRANSPORTADOR CON GUÍA ESD  
 RAIL À GALET AVEC BORD ESD  
 ROLLENSCHIEN MIT WAND ESD



Cod	Note	Kg/m
<b>015.200.013</b>	ø 34 roller with ESD flanged rollers / 4 m bars - Rotella ø 34 con sponda ESD / barra da 4 m - Rueda ø 34 con guía ESD / Barras de 4 m - Roulette ø 34 avec bord ESD / barres de 4 m - Geflanschte ESD-Rolle ø 34 / 4-m-Bahnen	1,30

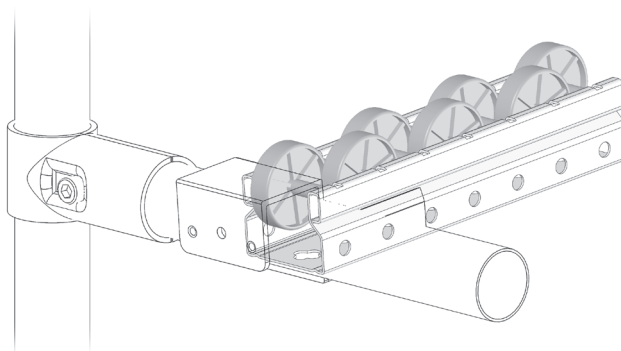
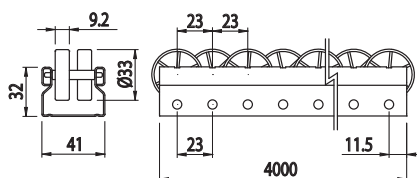
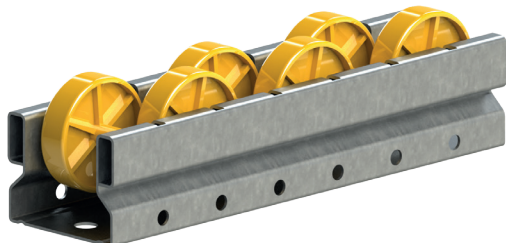




**DOUBLE ROLLER TRACK**

RULLIERA CON DOPPIA ROTELLA  
TRANSPORTADOR CON DOBLE RUEDA  
RAIL À GALET AVEC ROULETTE DOUBLE  
ROLLENSCHIEN MIT DOPPELROLLEN

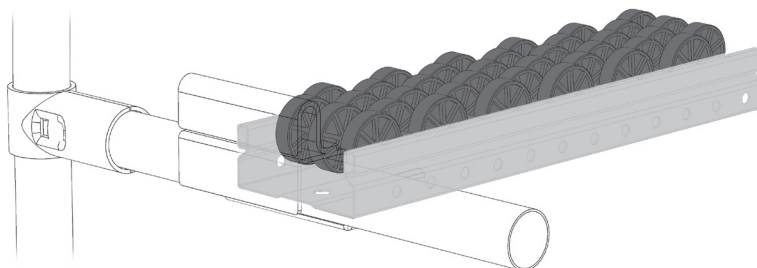
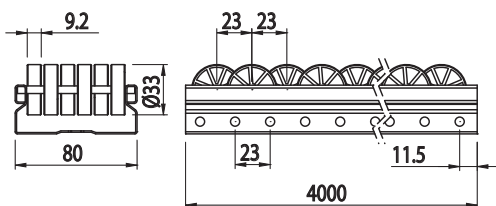
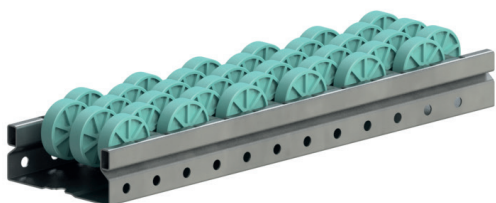
Cod	Note	Kg/m
<b>015.200.008</b>	ø 34 double roller / 4 m bars - Doppia rotella ø34 / barre da 4 m - Doble rueda ø 34 / Barras de 4 m - Double roulette ø 34 / barres de 4 m - Doppelrolle ø 34 / 4-m-Bahnen	1,30



**80 MM ROLLER TRACK, 3 ROLLERS**

RULLIERA DA 80 TRIPLA ROTELLA  
TRANSPORTADOR DE 80 MM, 3 RUEDAS  
RAIL À GALET DE 80 MM, 3 ROULETTES  
ROLLENSCHIEN 80 MM MIT 3 ROLLEN

Cod	Note	Kg/m
<b>015.200.014</b>	3 rollers ø80 - Tripla rotella ø80 - 3 ruedas ø80 - 3 roulettes ø80 - 3 Rollen ø80	2,3

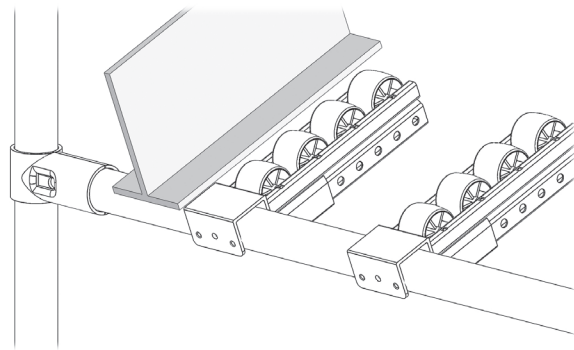
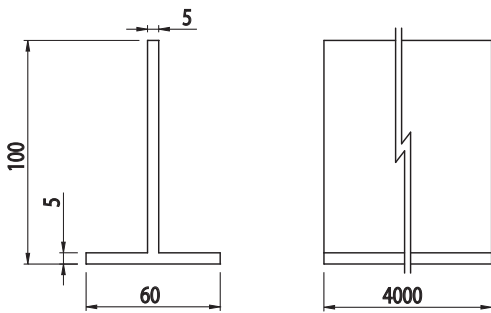
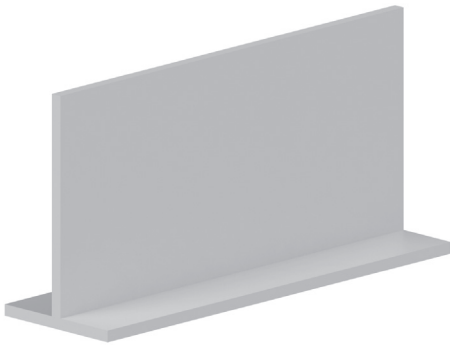




**CENTRAL PLASTIC PROFILE**

SPONDA CENTRALE  
GUÍA CENTRAL  
BORD CENTRAL  
MITTELWAND

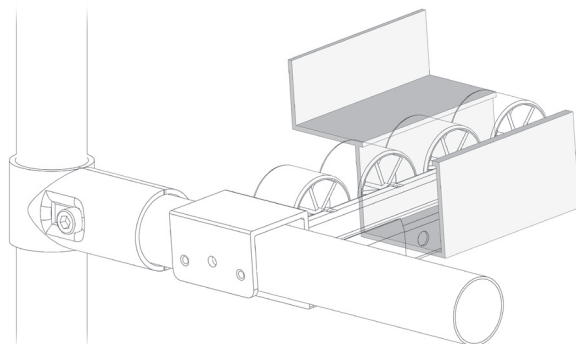
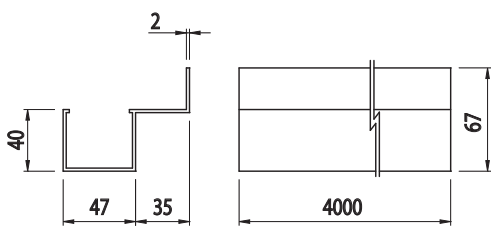
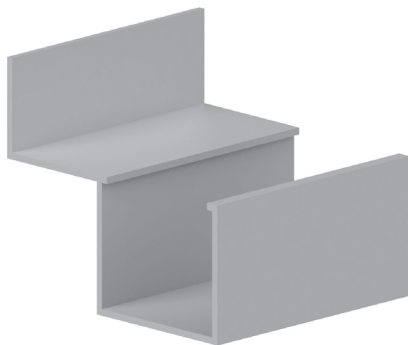
Cod	Note	Kg/m
<b>015.200.009</b>	4 m bars - barre da 4 m - barras de 4 m - barres de 4 m - 4-m-Bahnen	0,75



**SIDE PLASTIC PROFILE**

SPONDA LATERALE  
GUÍA LATERAL  
BORD LATÉRAL  
SEITENWAND

Cod	Note	Kg/m
<b>015.200.010</b>	4 m bars - Barre da 4 m - Barras de 4 m - Barres de 4 m - 4-m-Bahnen	0,70

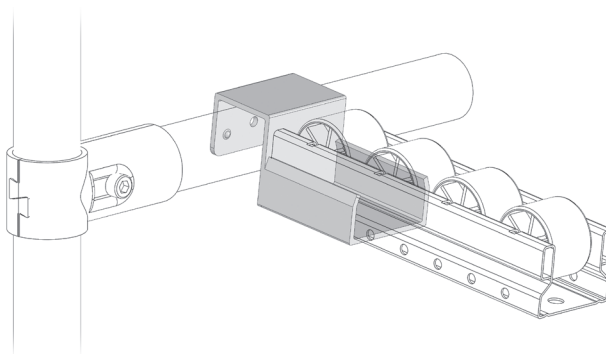
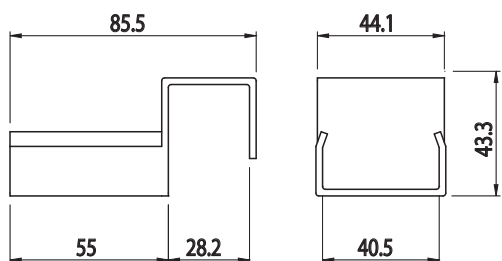
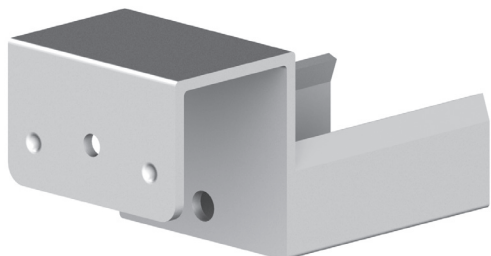




**STANDARD ROLLER MOUNTING BRACKET**

SUPPORTO GUIDA STANDARD  
SOPORTE GUÍA ESTÁNDAR  
SUPPORT GUIDE STANDARD  
STANDARD-SCHIENENTRÄGER

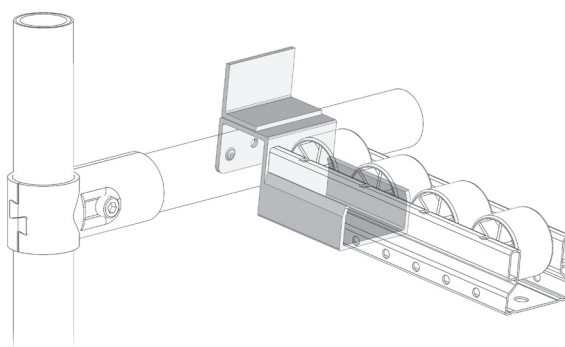
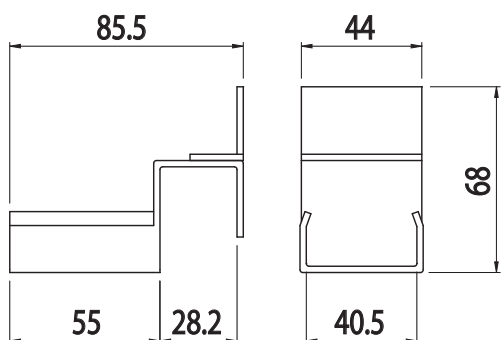
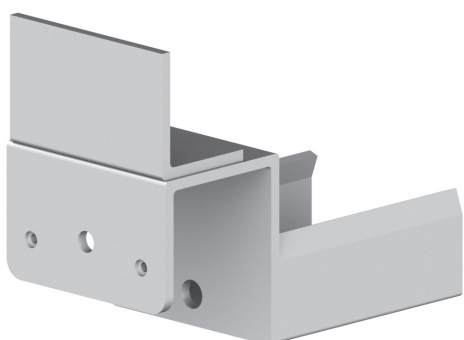
Cod	Note	g
<b>015.200.001</b>	Bracket without stop - Supporto senza fermo - Soporte sin tope - Support sans arrêt - Träger ohne Sperre	140



**ROLLER MOUNTING BRACKET WITH STOP**

SUPPORTO GUIDA CON FERMO  
SOPORTE GUÍA CON RETÉN  
SUPPORT GUIDE AVEC ARRÊT  
SCHIENENTRÄGER MIT SPERRE

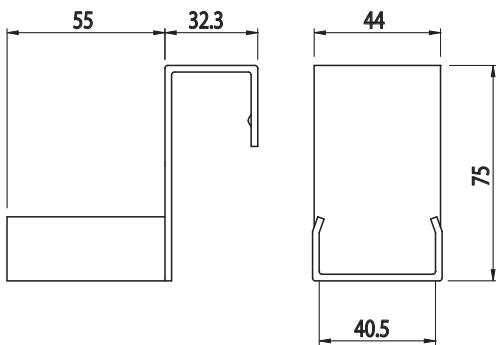
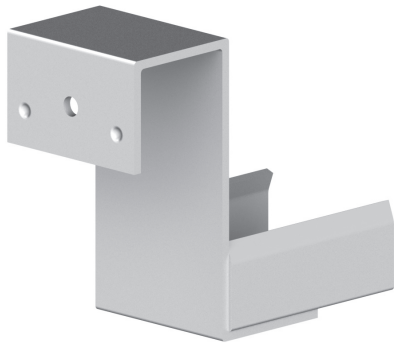
Cod	Note	g
<b>015.200.002</b>	Bracket with stop - Supporto con fermo - Soporte con tope - Support avec arrêt - Träger mit Sperre	170



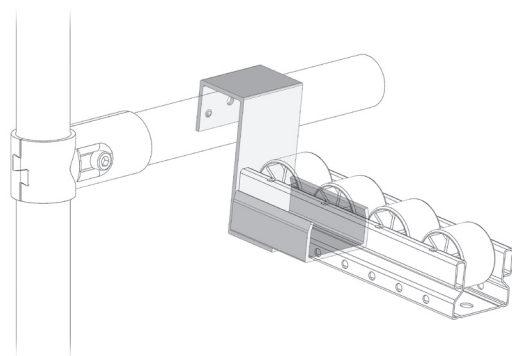


**ROLLER MOUNTING BRACKET WITH STOP**

SUPPORTO GUIDA CON FERMO  
 SOPORTE GUÍA CON RETÉN  
 SUPPORT GUIDE AVEC ARRÊT  
 SCHIENENTRÄGER MIT SPERRE

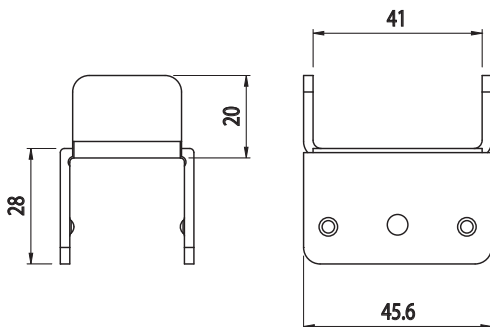


Cod	Note	g
<b>015.200.003</b>	Bracket with stop and increased angle - Supporto con fermo a pendenza maggiorata - Soporte con retén con pendiente aumentada - Support avec arrêt à pente accrue - Träger mit Sperre und verstärkter Neigung	200

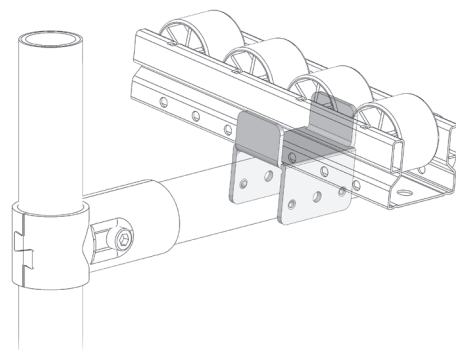


**HALF BRIDGE FOR JOINTS**

MEZZO PONTE PER GIUNZIONE  
 MEDIO PUENTE PARA UNIÓN  
 DEMI-PONT POUR JONCTION  
 BRÜCKENHÄLFTE FÜR VERBINDUNG



Cod	Note	g
<b>015.200.004</b>	For intermediate support - Per sostegno intermedio - Para apoyo intermedio - Pour support intermédiaire - Zur Unterstützung der Verbindungsstelle	80

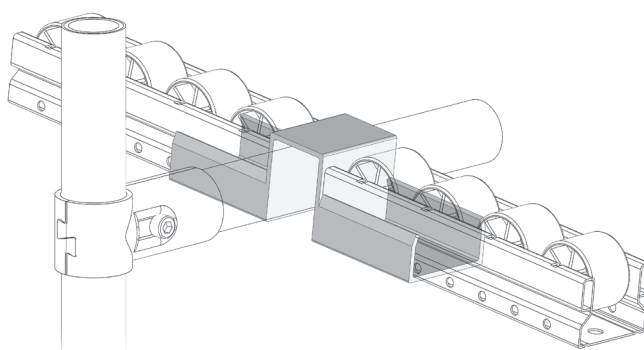
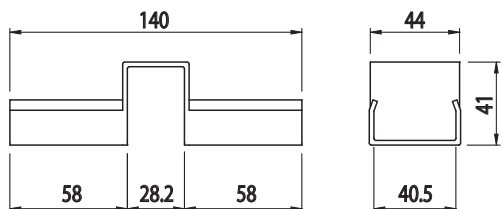
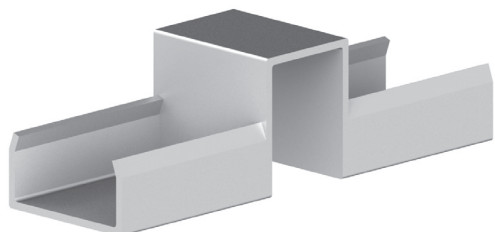




**BRIDGE**

PONTE  
PUENTE  
PONT  
BRÜCKE

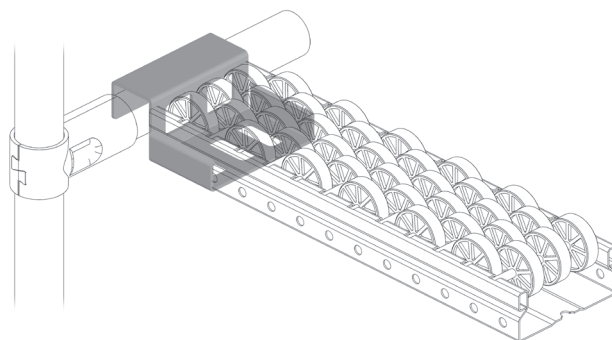
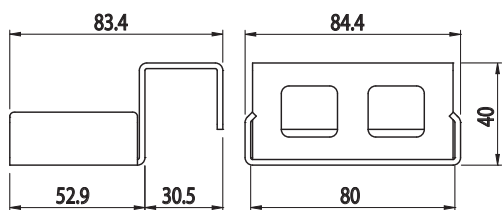
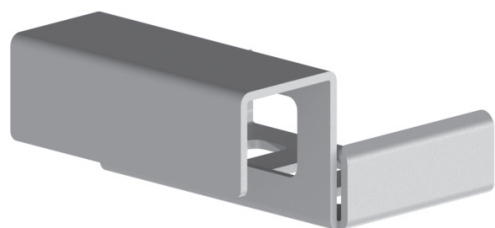
Cod	Note	g
<b>015.200.005</b>	For intermediate support - Per sostegno intermedio - Para apoyo intermedio - Pour support intermédiaire - Zur Unterstützung der Verbindungsstelle	220



**80 STANDARD ROLLER MOUNTING BRACKET**

SUPPORTO GUIDA 80 STANDARD  
SOPORTE GUÍA 80 ESTÁNDAR  
SUPPORT GUIDE STANDARD 80  
STANDARD 80 SCHIENENTRÄGER

Cod	Note	g
<b>015.200.015</b>	Bracket without stop - Supporto senza fermo - Soporte sin tope - Support sans arrêt - Träger ohne Sperre	140



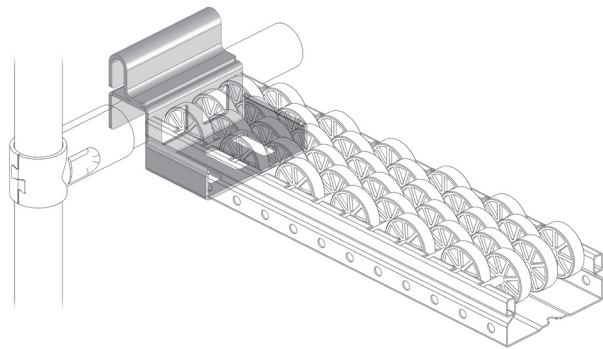
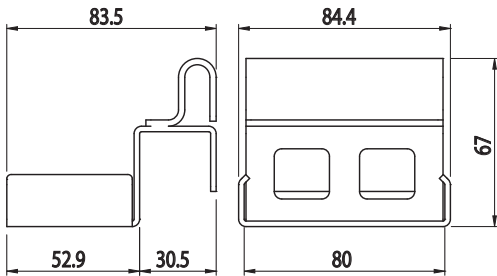
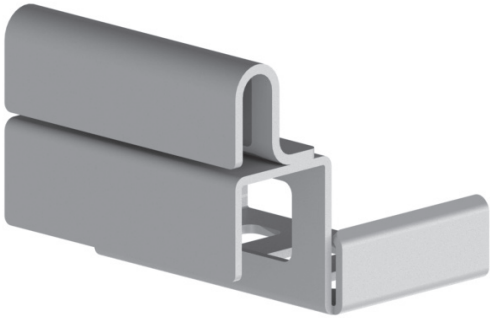




**80 ROLLER MOUNTING BRACKET WITH STOP**

SUPPORTO GUIDA 80 CON FERMO  
 SOPORTE GUÍA CON RETÉN  
 SUPPORT GUIDE AVEC ARRÊT  
 80 SCHIENENTRÄGER MIT SPERRE

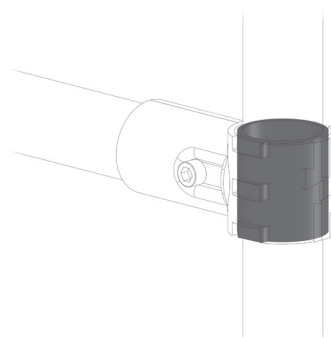
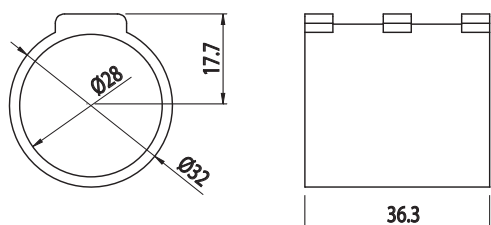
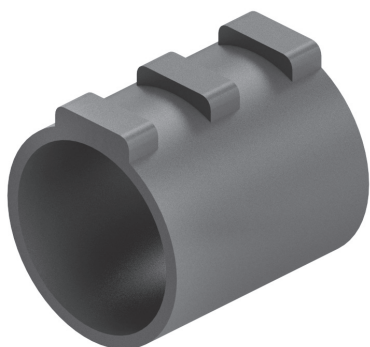
Cod	Note	g
<b>015.200.016</b>	Bracket with stop - Supporto con fermo - Soporte con tope - Support avec arrêt - Träger mit Sperre	170





### JOINT SLIDING DEVICE

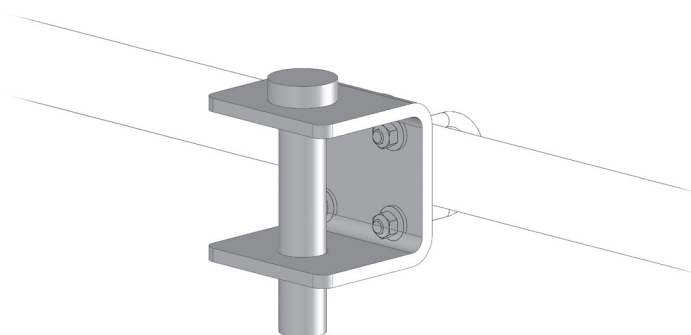
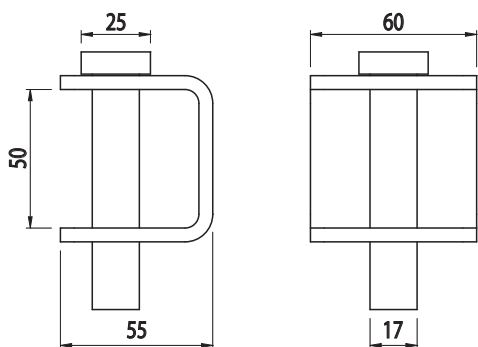
INSERTO PER MOVIMENTAZIONE GIUNTI  
INSERTO PARA DESPLAZAMIENTO UNIONES  
INSERT POUR DÉPLACEMENT JOINTS  
INNENTEIL FÜR VERBINDERBEWEGUNG



Cod	Note	g
<b>015.300.001</b>	Plastic sliding joint device - Insetto in plastica per movimentazione giunti - Insetto de plástico para el desplazamiento de los empalmes - Insert en plastique pour déplacement joints - Innenteil aus Plastik für Verbinderbewegung	7

### HAUL RING SUPPORT

AGGANCIAMENTO TIMONE  
ENGANCHE TIMÓN  
ACCROCHAGE TIMON  
HAKEN FÜR ZUGBOLZEN



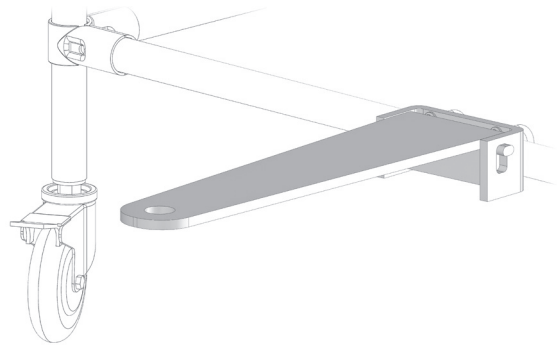
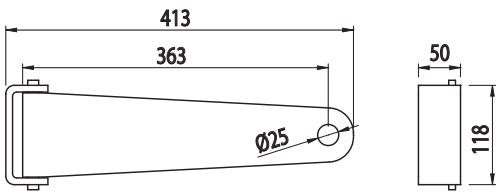
Cod	Note	g
<b>015.300.002</b>	Use in conjunction with 015.300.003 - Da abbinare a 015.300.003 - Combinar con 015.300.003 - À associer à 015.300.003 - Zu kombinieren mit 015.300.003	1220



**HAUL RING**

TIMONE  
TIMÓN  
TIMON  
ZUGBOLZEN

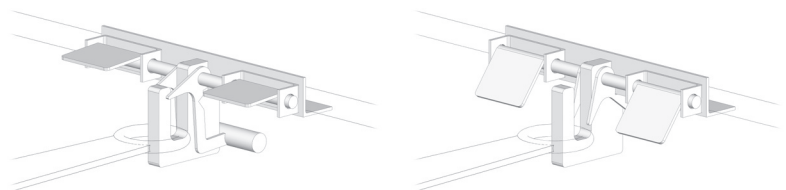
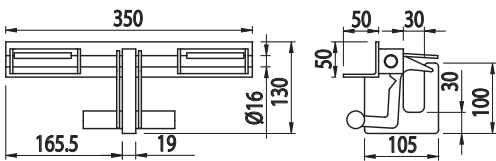
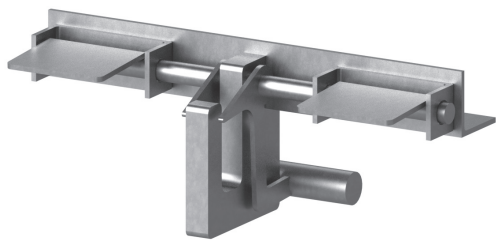
Cod	Note	g
<b>015.300.003</b>	Use in conjunction with 015.300.002 - Da abbinare a 015.300.002 - Combinar con 015.300.002 - À associer à 015.300.002 - Zu kombinieren mit 015.300.002	2680



**HAUL RING SUPPORT**

AGGANCIO TIMONE  
ENGANCHE TIMÓN  
ACCROCHAGE TIMON  
HAKEN FÜR ZUGBOLZEN

Cod	Note	g
<b>015.300.016</b>	Use in conjunction with 015.300.017 - Da abbinare a 015.300.017 - Combinar con 015.300.017 - À associer à 015.300.017 - Zu kombinieren mit 015.300.017	4400

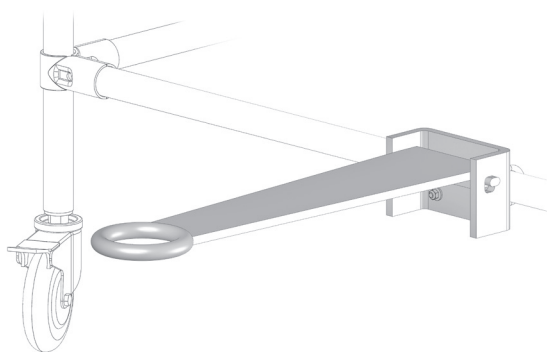
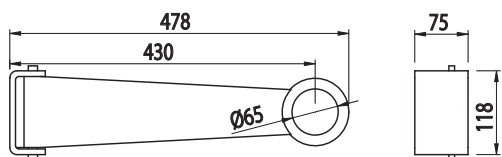




**HAUL RING**

TIMONE  
TIMÓN  
TIMON  
ZUGBOLZEN

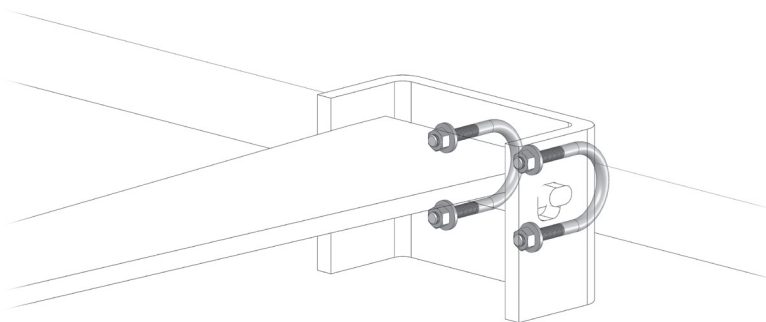
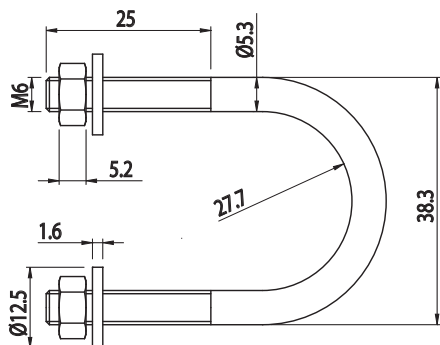
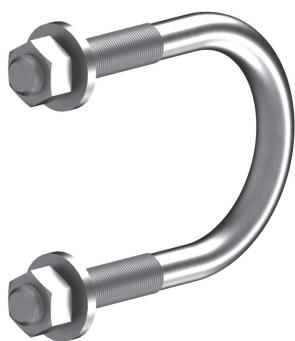
Cod	Note	g
<b>015.300.017</b>	Use in conjunction with 015.300.016 - Da abbinare a 015.300.016 - Combinar con 015.300.016 - À associer à 015.300.016 - Zu kombinieren mit 015.300.016	3270



**U-BOLT**

U-BOLT  
PERNO DE HORQUILLA  
ÉTRIER  
U-BOLT

Cod	Note	g
<b>015.300.019</b>	For haul ring fastening - Per fissaggio timone - Para la fijación del timón - Pour fixation timon - Für Zugbolzenbefestigung	26

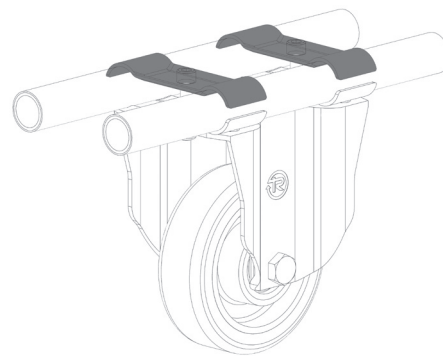
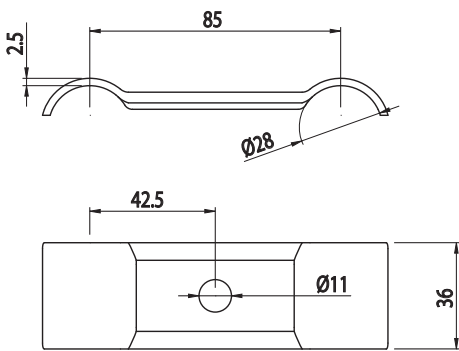
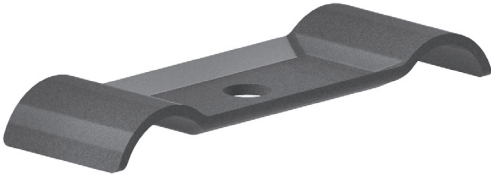




**UPPER CASTER FASTENING PLATE**

PIASTRA SUPERIORE PER MONTAGGIO RUOTE  
 PLETINA SUPERIOR PARA MONTAJE RUEDAS  
 PLAQUE SUPÉRIEURE POUR MONTAGE ROUES  
 RADMONTAGEPLATTE OBEN

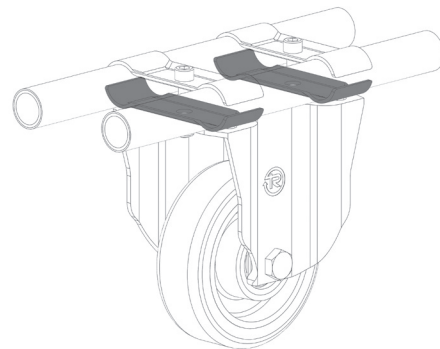
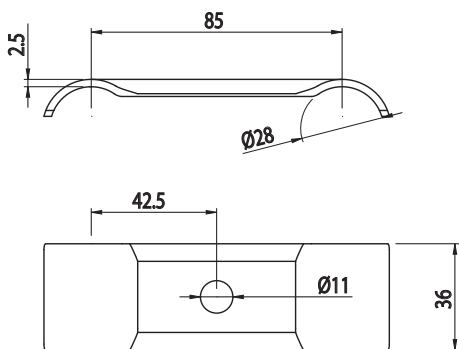
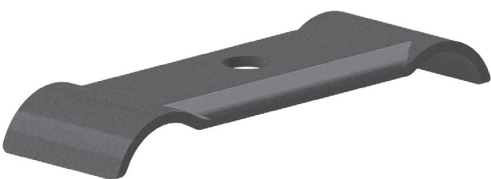
Cod	Note	g
<b>015.300.004</b>	For caster fastening - Per fissaggio ruote - Para la fijación de ruedas - Pour fixation roues - Für die Radbefestigung	110



**LOWER CASTER FASTENING PLATE**

PIASTRA INFERIORE PER MONTAGGIO RUOTE  
 PLETINA INFERIOR PARA MONTAJE RUEDAS  
 PLAQUE INFÉRIEURE POUR MONTAGE ROUES  
 RADMONTAGEPLATTE UNTEN

Cod	Note	g
<b>015.300.005</b>	For caster fastening - Per fissaggio ruote - Para la fijación de ruedas - Pour fixation roues - Für die Radbefestigung	110

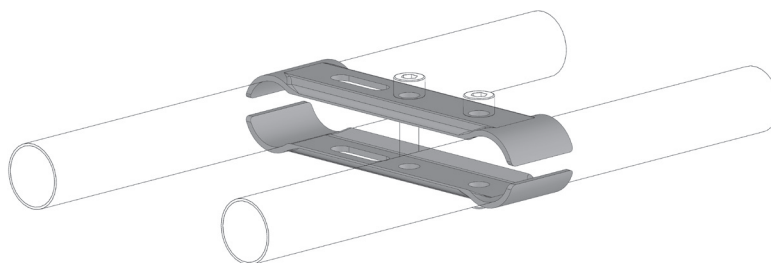
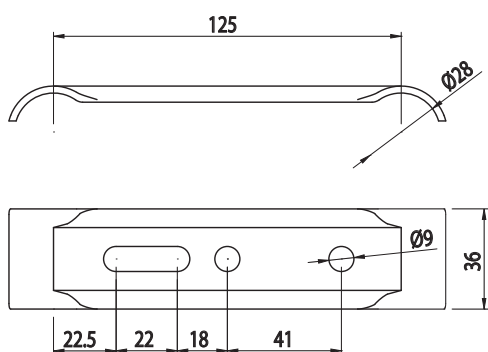
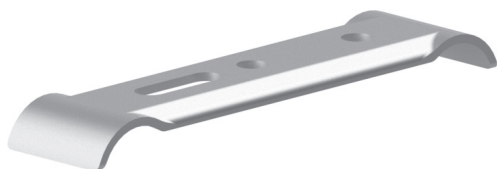




**PLATE FOR CASTERS**

PIASTRA PER RUOTE  
PLETINA PARA RUEDAS  
PLAQUE POUR ROUES  
RADECKPLATTE RECHTS

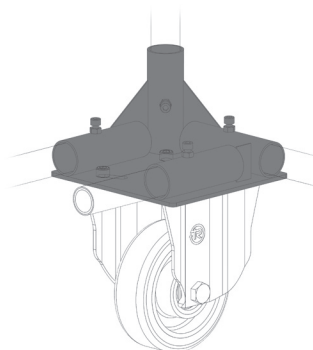
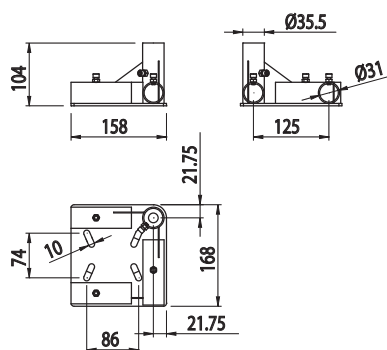
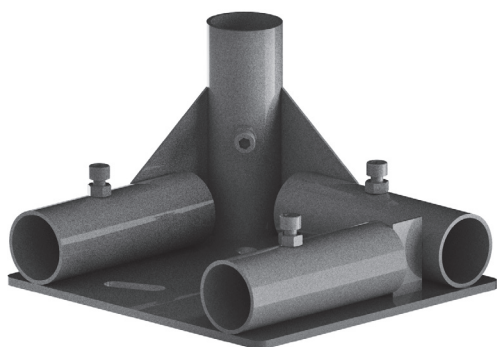
Cod	Note	g
<b>015.300.020</b>	For caster fastening - Per fissaggio ruote - Para la fijación de ruedas - Pour fixation roues - Für die Radbefestigung	110



**LEFT ANGULAR PLATE FOR CASTERS**

PIASTRA ANGOLARE SINISTRA PER RUOTE  
PLETINA ANGULAR IZQUIERDA PARA RUEDAS  
PLAQUE ANGULAIRE GAUCHE POUR ROUES  
RADECKPLATTE LINKS

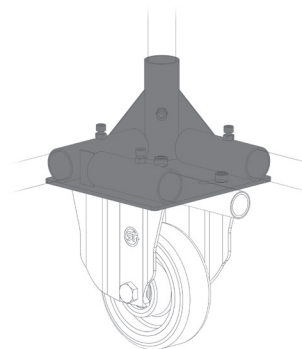
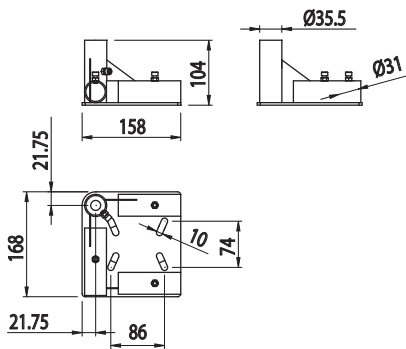
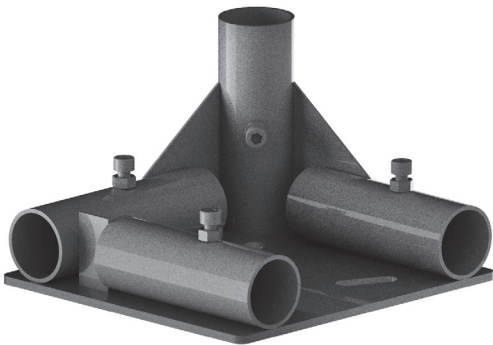
Cod	Note	g
<b>015.300.007</b>	For connecting tubes and casters - Unisce i tubi e permette giunzione delle ruote - Permite unir los tubos y fijar las ruedas - Unit les tubes et permet la jonction des roues - Verbindet die Rohre und ermöglicht die Verbindung der Räder	1280





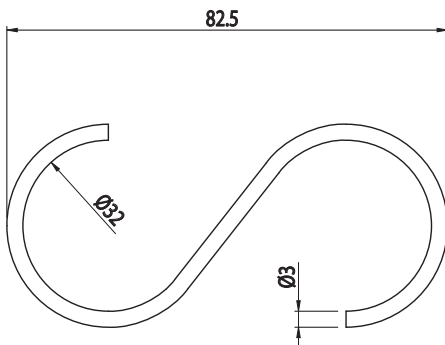
**RIGHT ANGULAR PLATE FOR CASTERS**

PIASTRA ANGOLARE DESTRA PER RUOTE  
 PLETINA ANGULAR DERECHA PARA RUEDAS  
 PLAQUE ANGULAIRE DROITE POUR ROUES  
 RADECKPLATTE RECHTS



Cod	Note	g
015.300.006	For connecting tubes and casters - Unisce i tubi e permette giunzione delle ruote - Permite unir los tubos y fijar las ruedas - Unit les tubes et permet la jonction des roues - Verbindet die Rohre und ermöglicht die Verbindung der Räder	1280

**HOOK**  
 GANCIO  
 GANCHO  
 CROCHET  
 HAKEN

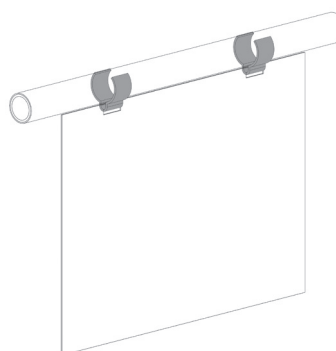
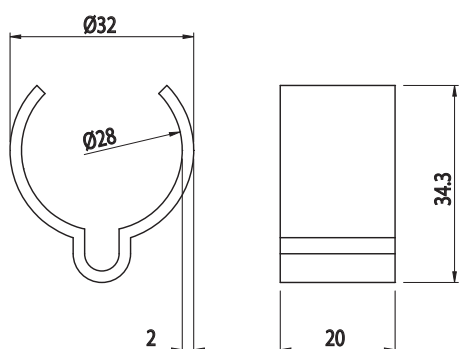
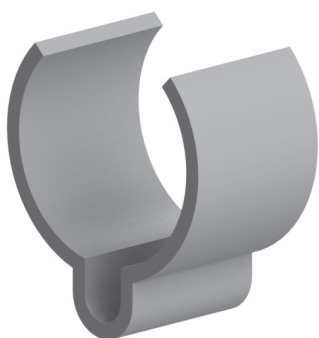


Cod	Note	g
015.300.018	For supporting equipment - Per supporto attrezzi - Para colgar herramientas - Pour support outils - Als Werkzeughalterung	2



**NAME PLATE CLIP**

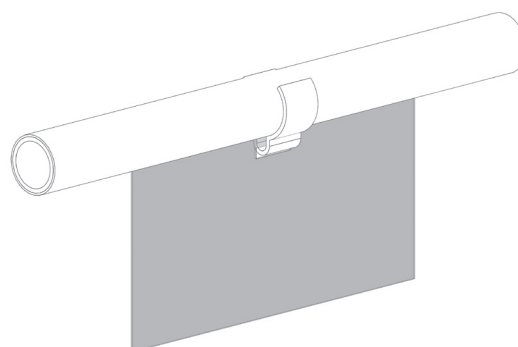
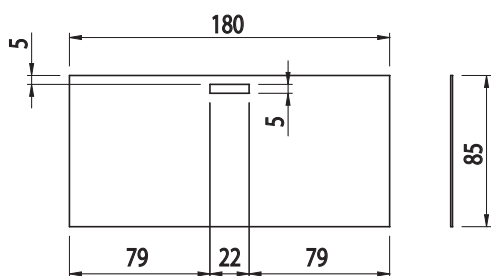
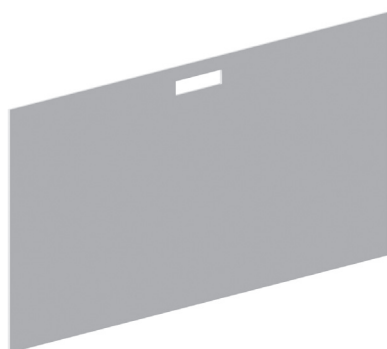
ANELLO PORTA ETICHETTE  
ANILLO PORTA-ETIQUETAS  
BAGUE PORTE-ÉTIQUETTE  
RING FÜR ETIKETTENHALTER



Cod	Note	g
<b>015.300.011</b>	Name plate support - Per sostegno porta etichette - Para la fijación de los porta-etiquetas - Pour support porte-étiquette - Zur Befestigung des Etikettenhalters	5

**NAME PLATE, 180 X 85**

PORTA ETICHETTE 180 X 85  
PORTA-ETIQUETAS 180 X 85  
PORTE-ÉTIQUETTE 180 X 85  
ETIKETTENHALTER 180 X 85



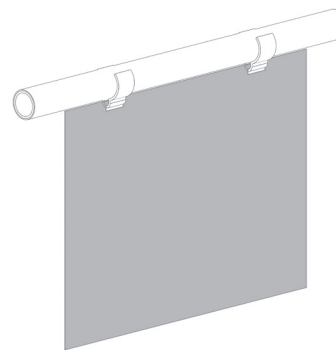
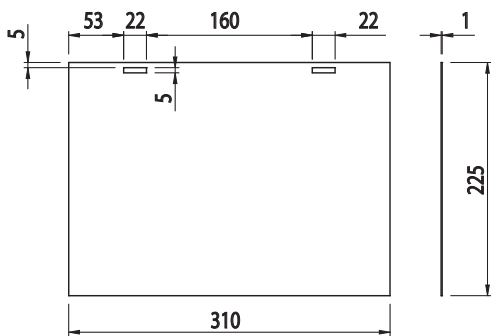
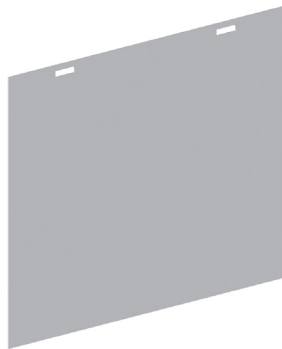
Cod	Note	g
<b>015.300.009</b>	For product identification - Per identificazione prodotti - Para la identificación de productos - Pour identification produits - Zur Produktidentifizierung	12





**NAME PLATE, 310 X 225**

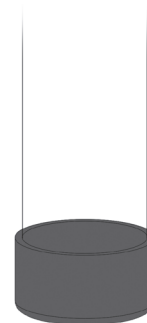
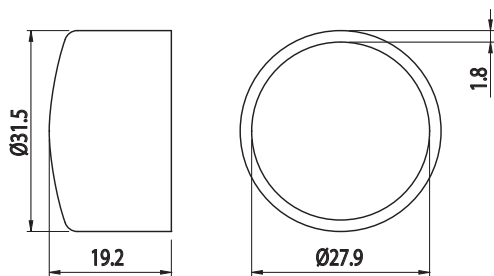
PORTA ETICHETTE 310 X 225  
 PORTA-ETIQUETAS 310 X 225  
 PORTE-ÉTIQUETTE 310 X 225  
 ETIKETTENHALTER 310 X 225



Cod	Note	g
<b>015.300.010</b>	For product identification - Per identificazione prodotti - Para la identificación de productos - Pour identifica- tion produits - Zur Produktidentifizierung	12

**RUBBER FOOT**

PIEDINO IN GOMMA  
 CONTERA DE GOMA  
 PIED EN CAOUTCHOUC  
 GUMMIFUSS

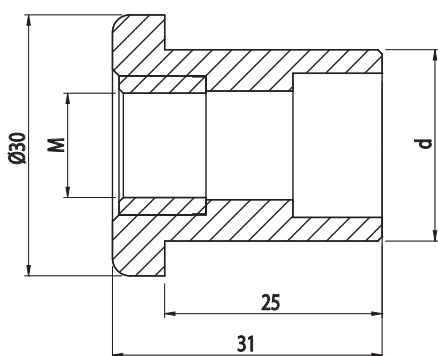


Cod	Note	g
<b>015.300.008</b>	Knurled rubber foot - Piede in gomma zigrinata - Con- tera de goma moleteada - Pied en caoutchouc crénelé - Gerändelter Gummifuß	35

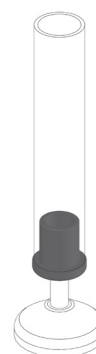


**TUBE END CAP**

TAPPO PER TUBO  
TAPÓN PARA TUBO  
BOUCHON POUR TUBE  
ROHRENDKAPPE



Cod	Note	g
015.300.021	M8 - d=22	22
015.300.022	M12 - d=22	17
015.300.023	M8 - d=23,5	23
015.300.024	M12 - d=23,5	18

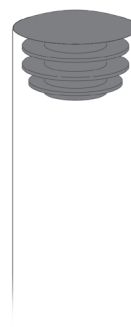
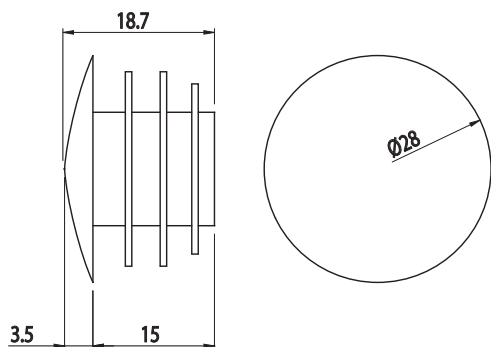


**TUBE END CAP**

TAPPO PER TUBO  
TAPÓN PARA TUBO  
BOUCHON POUR TUBE  
ROHRENDKAPPE



Cod	Note	g
015.300.012	Tube end cap - Terminale di chiusura per tubi - Terminal de cierre para tubos - Bouchon de fermeture pour tubes - Verschlusskappe für Rohre	8

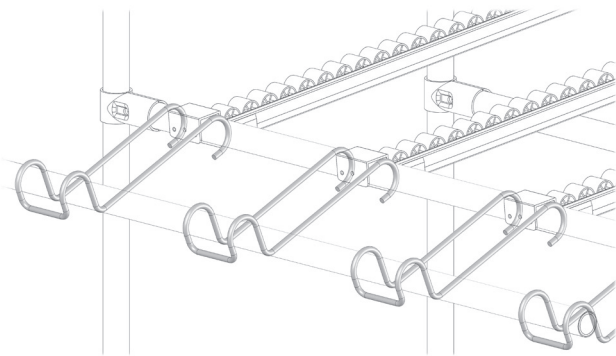
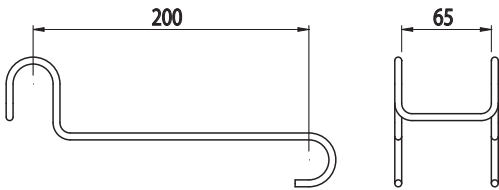
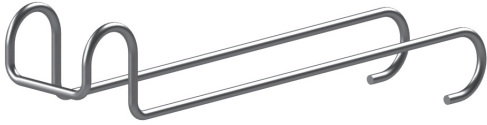




**WIRE CHUTE**

SCIVOLO  
TOBOGÁN  
TOBOGGAN  
RUTSCHE

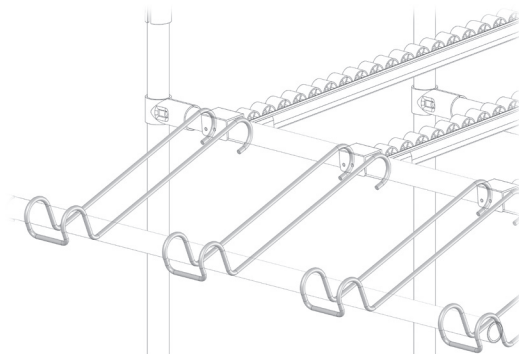
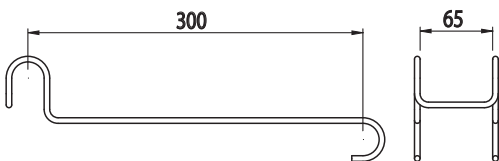
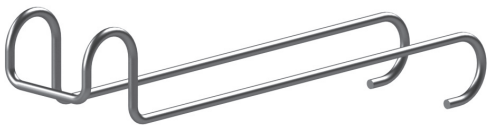
Cod	Note	g
<b>015.300.013</b>	For product build-up - Per accumulo prodotti - Para acumulación de productos - Pour accumulation produits - Für Produktansammlung	182



**WIRE CHUTE**

SCIVOLO  
TOBOGÁN  
TOBOGGAN  
RUTSCHE

Cod	Note	g
<b>015.300.014</b>	For product build-up - Per accumulo prodotti - Para acumulación de productos - Pour accumulation produits - Für Produktansammlung	230

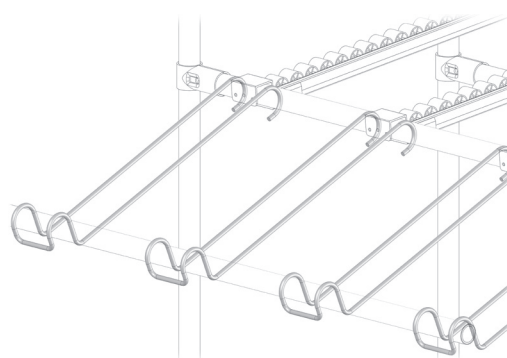
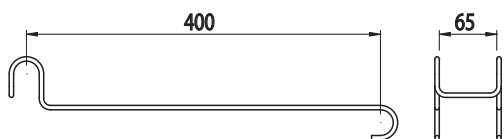




**WIRE CHUTE**

SCIVOLO  
TOBOGÁN  
TOBOGGAN  
RUTSCHE

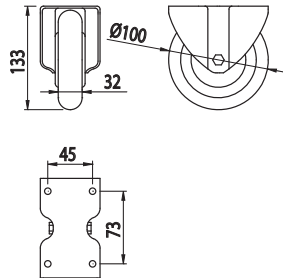
Cod	Note	g
<b>015.300.015</b>	For product build-up - Per accumulo prodotti - Para acumulación de productos - Pour accumulation produits - Für Produktansammlung	270



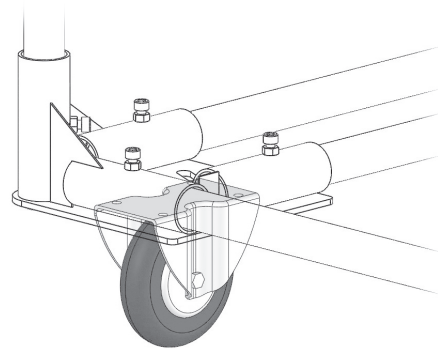


**FIXED CASTER, Ø 100**

RUOTA FISSA Ø 100  
 RUEDA FIJA Ø 100  
 ROUE FIXE Ø 100  
 STARRES RAD Ø 100

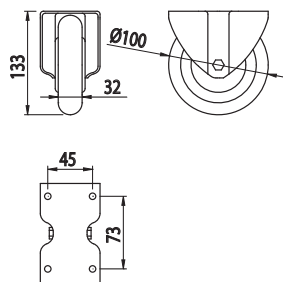


Cod	Note	g
<b>015.400.001</b>	Steel brackets + polyurethane tread - Struttura in acciaio + battistrada in poliuretano - Estructura de acero + banda de rodadura de poliuretano - Structure en acier + bande en polyuréthane - Gestell aus Stahl + Polyurethanreifen	370

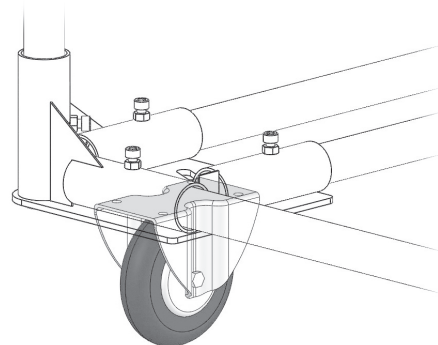


**PLATE-TYPE SWIVEL CASTER, Ø 100**

RUOTA PIVOTTANTE Ø 100  
 RUEDA GIRATORIA Ø 100  
 ROUE PIVOTANTE Ø 100  
 SCHWENKRAD Ø 100



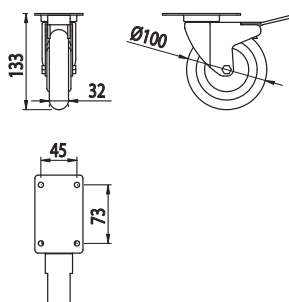
Cod	Note	g
<b>015.400.002</b>	Steel brackets + polyurethane tread - Struttura in acciaio + battistrada in poliuretano - Estructura de acero + banda de rodadura de poliuretano - Structure en acier + bande en polyuréthane - Gestell aus Stahl + Polyurethanreifen	420



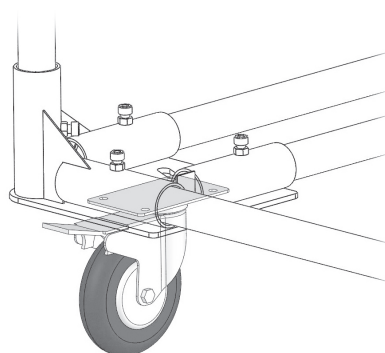


**PLATE-TYPE SWIVEL CASTER WITH BRAKE, Ø 100**

RUOTA GIREVOLE CON FRENO Ø 100  
RUEDA GIRATORIA CON FRENO Ø 100  
ROUE PIVOTANTE AVEC FREIN Ø 100  
SCHWENKRAD MIT BREMSE Ø 100

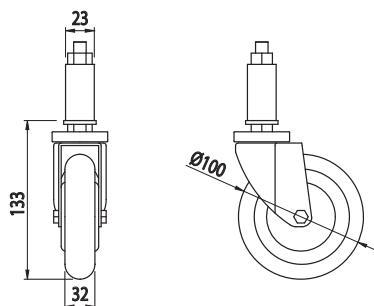


Cod	Note	g
<b>015.400.003</b>	Steel brackets + polyurethane tread - Struttura in acciaio + battistrada in poliuretano - Estructura de acero + banda de rodadura de poliuretano - Structure en acier + bande en polyuréthane - Gestell aus Stahl + Polyurethanreifen	495

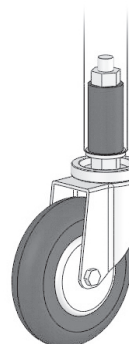


**STEM-TYPE SWIVEL CASTER, Ø 100**

RUOTA GIREVOLE Ø 100 CON PERNO  
RUEDA GIRATORIA Ø 100 CON PERNO  
ROUE PIVOTANTE Ø 100 AVEC PIVOT  
SCHWENKRAD Ø 100 MIT BOLZEN



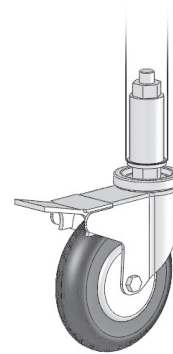
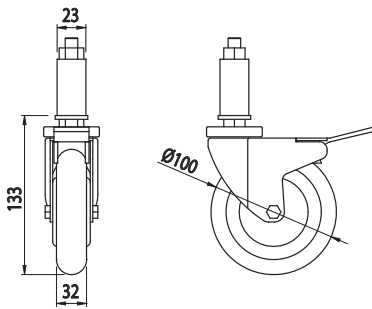
Cod	Note	g
<b>015.400.004</b>	Steel brackets + polyurethane tread - Struttura in acciaio + battistrada in poliuretano - Estructura de acero + banda de rodadura de poliuretano - Structure en acier + bande en polyuréthane - Gestell aus Stahl + Polyurethanreifen	420





**STEM-TYPE SWIVEL CASTER WITH BRAKE, Ø100**

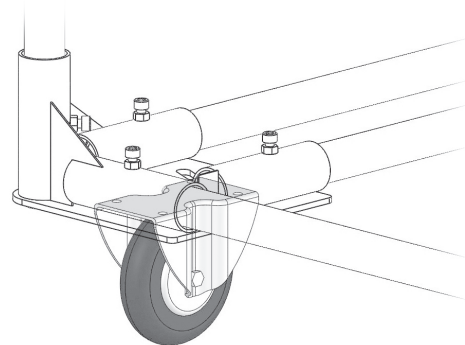
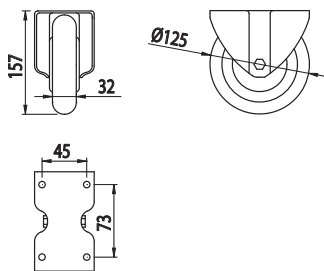
RUOTA GIREVOLE CON FRENO Ø100 E PERNO  
 RUEDA GIRATORIA CON FRENO Ø100 Y PERNO  
 ROUE PIVOTANTE AVEC FREIN Ø100 ET PIVOT  
 SCHWENKRAD MIT BREMSE Ø100 UND BOLZEN



Cod	Note	g
015.400.005	Steel brackets + polyurethane tread - Struttura in acciaio + battistrada in poliuretano - Estructura de acero + banda de rodadura de poliuretano - Structure en acier + bande en polyuréthane - Gestell aus Stahl + Polyurethanreifen	470

**FIXED CASTER, Ø 125**

RUOTA FISSA Ø 125  
 RUEDA FIJA Ø 125  
 ROUE FIXE Ø 125  
 STARRES RAD Ø 125

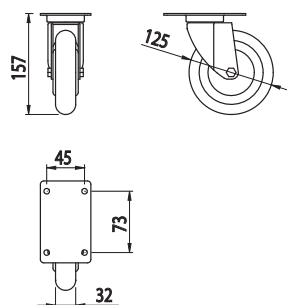


Cod	Note	g
015.400.006	Steel brackets + polyurethane tread - Struttura in acciaio + battistrada in poliuretano - Estructura de acero + banda de rodadura de poliuretano - Structure en acier + bande en polyuréthane - Gestell aus Stahl + Polyurethanreifen	400

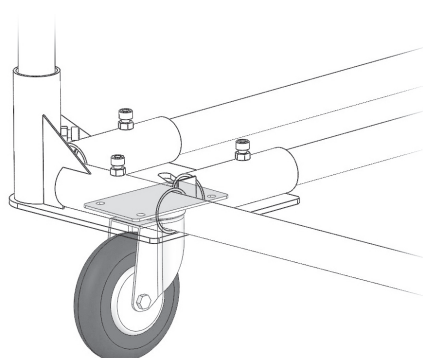


**PLATE-TYPE SWIVEL CASTER, Ø 125**

RUOTA GIREVOLE Ø 125  
RUEDA GIRATORIA Ø 125  
ROUE PIVOTANTE Ø 125  
SCHWENKRAD Ø 125

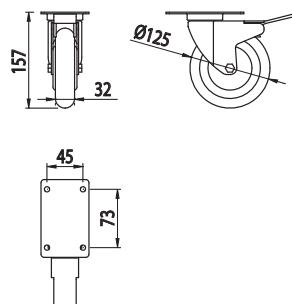


Cod	Note	g
<b>015.400.007</b>	Steel brackets + polyurethane tread - Struttura in acciaio + battistrada in poliuretano - Estructura de acero + banda de rodadura de poliuretano - Structure en acier + bande en polyuréthane - Gestell aus Stahl + Polyurethanreifen	450

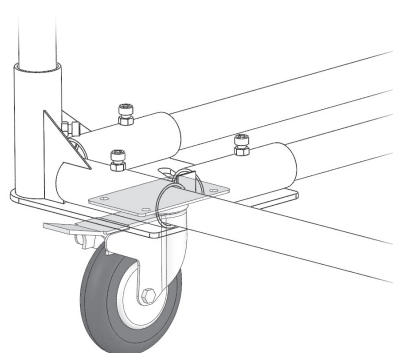


**PLATE-TYPE SWIVEL CASTER WITH BRAKE, Ø 125**

RUOTA GIREVOLE CON FRENO Ø 125  
RUEDA GIRATORIA CON FRENO Ø 125  
ROUE PIVOTANTE AVEC FREIN Ø 125  
SCHWENKRAD MIT BREMSE Ø 125



Cod	Note	g
<b>015.400.008</b>	Steel brackets + polyurethane tread - Struttura in acciaio + battistrada in poliuretano - Estructura de acero + banda de rodadura de poliuretano - Structure en acier + bande en polyuréthane - Gestell aus Stahl + Polyurethanreifen	520



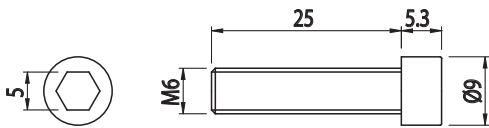
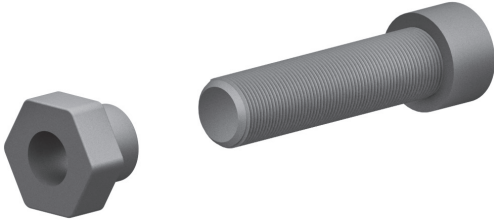




**M6 SCREW + M6 NUT**

VITE M6 + DADO M6  
 TORNILLO M6 + TUERCA M6  
 VIS M6 + ÉCROU M6  
 SCHRAUBE M6 + MUTTER M6

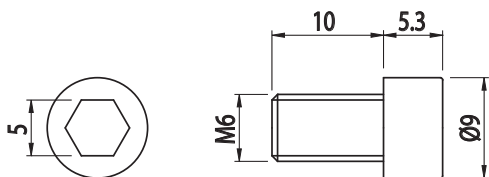
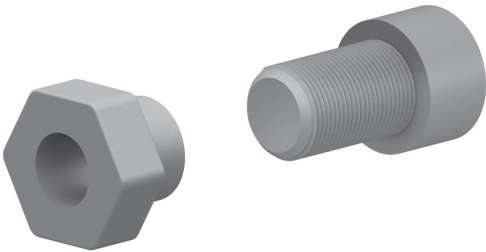
Cod	Note	g
<b>015.400.009</b>	For joint fastening - Per fissaggio giunti - Para la fijación de los empalmes - Pour fixation joints - Zur Verbinderbefestigung	8



**M6 SCREW + M6 NUT**

VITE M6 + DADO M6  
 TORNILLO M6 + TUERCA M6  
 VIS M6 + ÉCROU M6  
 SCHRAUBE M6 + MUTTER M6

Cod	Note	g
<b>015.400.010</b>	For joint fastening - Per fissaggio giunti - Para la fijación de los empalmes - Pour fixation joints - Zur Verbinderbefestigung	6

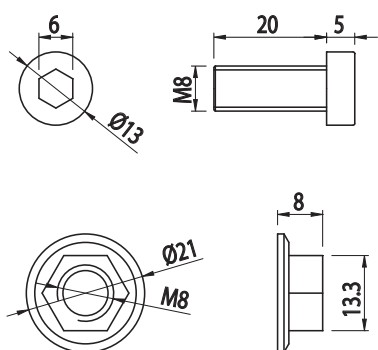
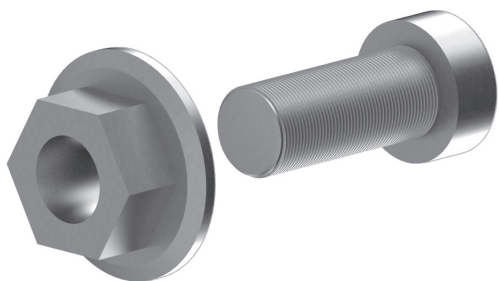




**M8 SCREW + M8 FLANGED NUT**

VITE M8 + DADO FLANGIATO M8  
TORNILLO M8 + TUERCA EMBRIDADA M8  
VIS M8 + ÉCROU BRIDÉ M8  
SCHRAUBE M8 + FLANSCHMUTTER M8

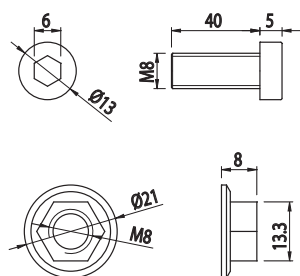
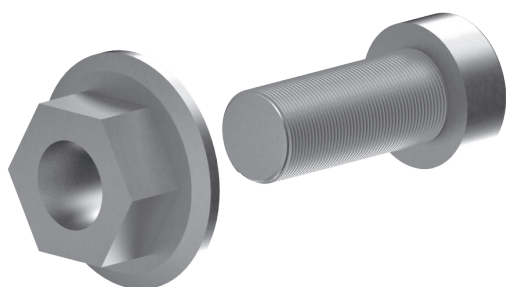
Cod	Note	g
<b>015.400.012</b>	For caster fastening - Per il fissaggio ruote - Para la fijación de las ruedas - Pour fixation roues - Für die Radbefestigung	12



**M8 SCREW + M8 FLANGED NUT**

VITE M8 + DADO FLANGIATO M8  
TORNILLO M8 + TUERCA EMBRIDADA M8  
VIS M8 + ÉCROU BRIDÉ M8  
SCHRAUBE M8 + FLANSCHMUTTER M8

Cod	Note	g
<b>015.400.013</b>	For caster fastening - Per fissaggio ruote - Para la fijación de ruedas - Pour fixation roues - Für die Radbefestigung	20





**Alusic**

**PROFILES AND ACCESSORIES FOR GRAVITY SYSTEMS**

PROFILI E ACCESSORI PER SISTEMI A GRAVITÀ  
PERFILES Y ACCESORIOS PARA SISTEMAS POR GRAVEDAD  
PROFILÉS ET ACCESSOIRES POUR SYSTÈMES À GRAVITÉ  
PROFILE UND ZUBEHÖR FÜR LEAN-REGALSYSTEME

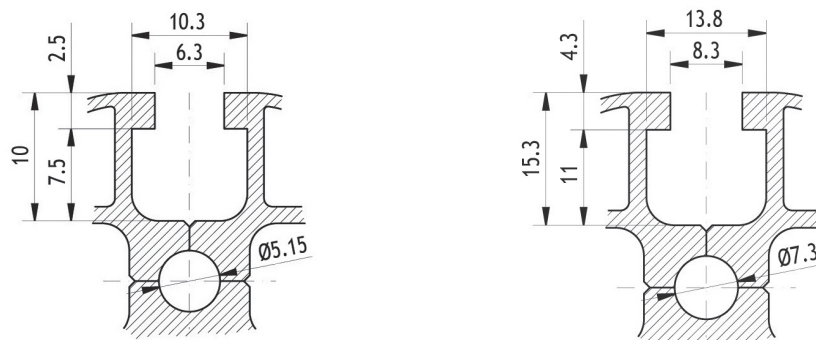
**EN** Alusic's range of rounded profiles allows the creation of strong, light and extensively configurable structures. The system is based on a trademarked profile design, which can be combined with a wide range of dedicated accessories which are ideal for all industrial applications.

**IT** La linea di profili arrotondati Alusic garantisce la realizzazione di strutture resistenti, leggere e ampiamente configurabili. La base del sistema sono i profili dal design depositato abbinabili ad una lunga serie di accessori dedicati e ideali per ogni tipo di applicazione nel campo industriale.

**ES** La línea de perfiles redondeados ALUSIC garantiza la realización de estructuras resistentes, ligeras y ampliamente configurables. La base del sistema son los perfiles de diseño registrado que pueden combinarse con una larga serie de accesorios específicos e ideales para cada tipo de aplicación en el ámbito industrial.

**FR** La ligne de profilés arrondis ALUSIC garantit la réalisation de structures résistantes, légères et grandement configurables. Les profilés au design déposé constituent la base du système. Ils peuvent être utilisés avec de très nombreux accessoires dédiés, parfaitement adaptés à tout type d'application dans le domaine industriel.

**DE** Die Linie von Rundprofilen von ALUSIC garantiert die Schaffung widerstandsfähiger, leichter und weitgehend konfigurierbarer Strukturen. Grundlage des Systems bilden die Profile im eingetragenen Design, die mit einer Vielzahl an speziellem Zubehör kombiniert werden können und für jede Art von Anwendung in der Industrie die ideale Lösung sind.



### CHEMICAL COMPOSITION OF ALLOYS

COMPOSIZIONE DELLE LEGHE / 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%

### MECHANICAL PROPERTIES

CARATTERISTICHE MECCANICHE / 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

### PHYSICAL PROPERTIES

CARATTERISTICHE FISICHE / CARACTERÍSTICAS FÍSICAS

CARACTÉRISTIQUES PHYSIQUES / PHYSIKALISCHE EIGENSCHAFTEN

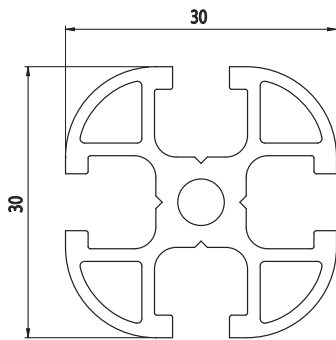
E [N/mm <sup>2</sup> ]	69000
ρ [Ω mm/m]	0.033
λ W/mK	210
T <sub>m</sub> (C°)	615 - 655
α (K <sup>-1</sup> )	25X10 <sup>-6</sup>



30x30



Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm2	Kg/m
<b>800.029.003</b>	2,10	2,10	1,40	1,40	292,30	0,79



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

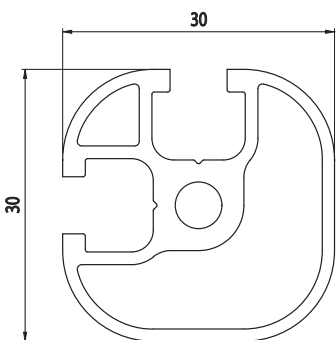
**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

Cap - Tappo - Tapòn - Embout - Abdeck			
		2,5	
Cod	Mat	g	Col
<b>800.029.118</b>	PA	2,5	■
<b>800.029.118G</b>	PA	2,5	■

30x30



Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm2	Kg/m
<b>800.029.013</b>	1,90	1,90	1,30	1,30	249,30	0,67



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

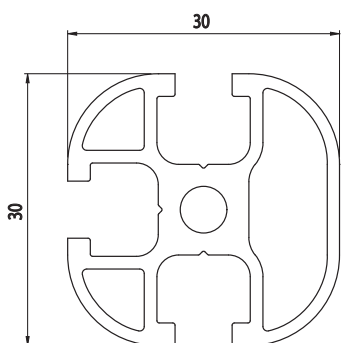
Cap - Tappo - Tapòn - Embout - Abdeck			
		2,5	
Cod	Mat	g	Col
<b>800.029.118</b>	PA	2,5	■
<b>800.029.118G</b>	PA	2,5	■



### 30x30



Cod	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>800.029.014</b>	1,97	2,02	1,30	1,35	274,90	0,74



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

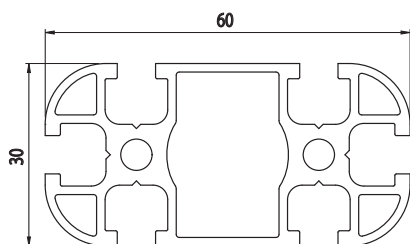
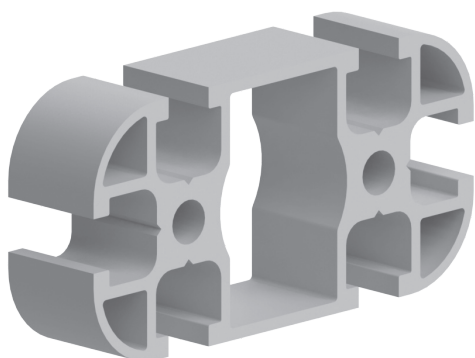
**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

Cap - Tappo - Tapòn - Embout - Abdeck			
Cod	Mat	g	Col
<b>800.029.118</b>	PA	2,5	■
<b>800.029.118G</b>	PA	2,5	■

### 30x60



Cod	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>800.029.004</b>	4,17	17,30	2,78	5,77	507,50	1,37



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

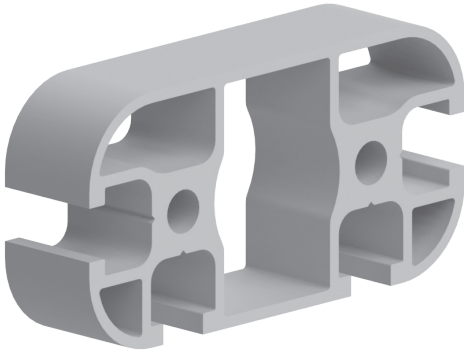
Cap - Tappo - Tapòn - Embout - Abdeck			
Cod	Mat	g	Col
<b>800.029.119</b>	PA	5	■
<b>800.029.119G</b>	PA	5	■



30x60

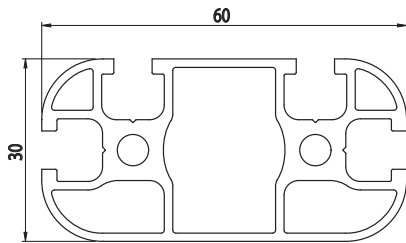


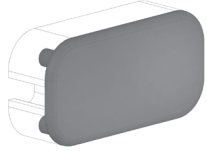

Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>800.029.015</b>	4,12	16,53	2,75	5,51	494,25	1,33



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

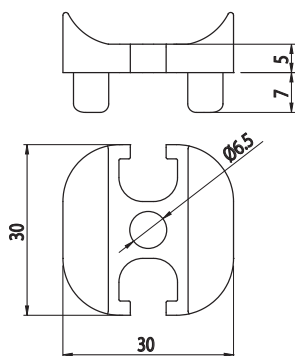


Cap - Tappo - Tapòn - Embout - Abdeck			
			
Cod	Mat	g	Col
<b>800.029.119</b>	PA	5	■
<b>800.029.119G</b>	PA	5	■

**30X30 JOINT DOUBLE REFERENCE**

GIUNTO 30X30 DOPPIO RIFERIMENTO  
 EMPALME 30X30 DOBLE REFERENCIA  
 30X30 JONCTION DOUBLE REFERENCE  
 30X30 GELENKDOPPELREFERENZ

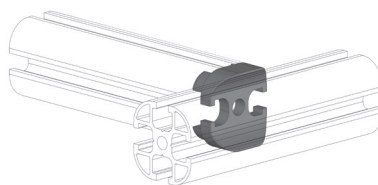
AC  
6  
30



Cod	Note	g
<b>800.029.111</b>	Ideal for strong and anti-rotation joints - Ideale per giunzioni robuste e antirotazione - Ideal para juntas robustas y antirrotación - Idéal pour les joints robustes et anti-rotation - Ideal für robuste und verdrehsichere Gelenke	12

**Sanded aluminum**

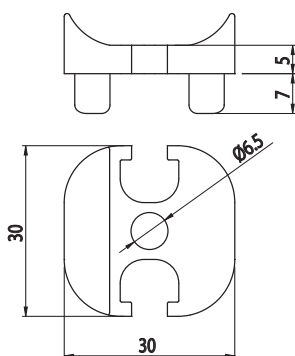
Alluminio sabbato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**30X30 SINGLE REFERENCE JOINT**

GIUNTO 30X30 SINGOLO RIFERIMENTO  
 EMPALME 30X30 REFERENCIA ÚNICA  
 30X30 JOINT DE RÉFÉRENCE UNIQUE  
 30X30 EINZELREFERENZVERBINDUNG

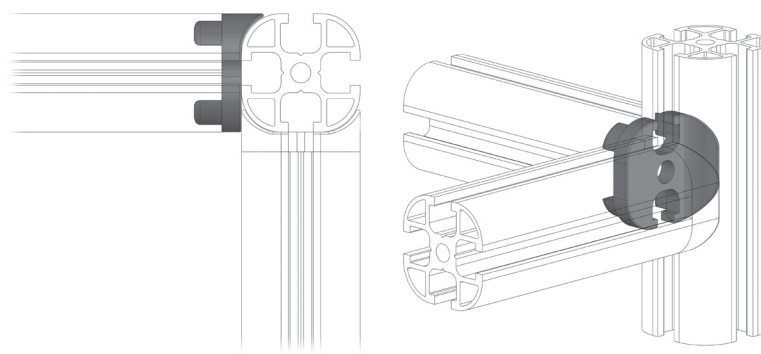
AC  
6  
30



Cod	Note	g
<b>800.029.112</b>	Ideal for strong and anti-rotation joints - Ideale per giunzioni robuste e antirotazione - Ideal para juntas robustas y antirrotación - Idéal pour les joints robustes et anti-rotation - Ideal für robuste und verdrehsichere Gelenke	11

**Sanded aluminum**

Alluminio sabbato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium

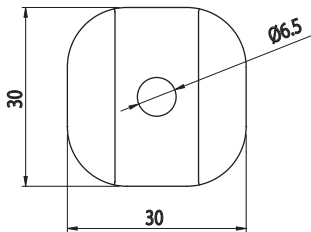
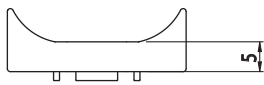






**30X30 JOINT DOUBLE REFERENCE**

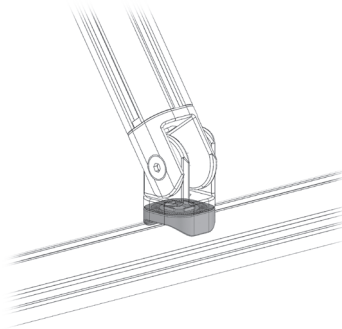
GIUNTO 30X30 DOPPIO RIFERIMENTO  
 EMPALME 30X30 REFERENCIA DOBLE  
 30X30 JONCTION DOUBLE RÉFÉRENCE  
 30X30 GELENKDOPPELREFERENZ



Cod	Note	g
<b>800.029.133A</b>	For articulated joint 084.311.012 - Per giunto snodato 084.311.012 - Para articulación articulada 084.311.012 - Pour le joint articulé 084.311.012 - Für Knickgelenk 084.311.012	8

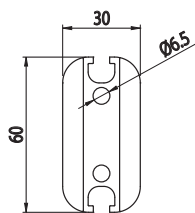
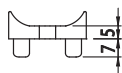
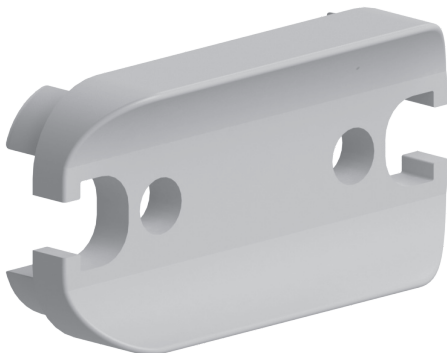
**Sanded aluminum**

Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**30X60 JOINT DOUBLE REFERENCE**

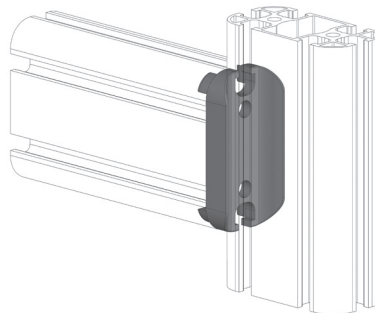
GIUNTO 30X60 DOPPIO RIFERIMENTO  
 EMPALME 30X60 REFERENCIA DOBLE  
 30X60 JONCTION DOUBLE RÉFÉRENCE  
 30X60 GELENKDOPPELREFERENZ



Cod	Note	g
<b>800.029.115</b>	Ideal for strong and anti-rotation joints - Ideale per giunzioni robuste e antirotazione - Ideal para juntas robustas y antirrotación - Idéal pour les joints robustes et anti-rotation - Ideal für robuste und verdrehsichere Gelenke	27

**Sanded aluminum**

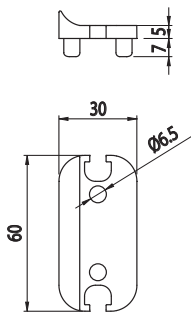
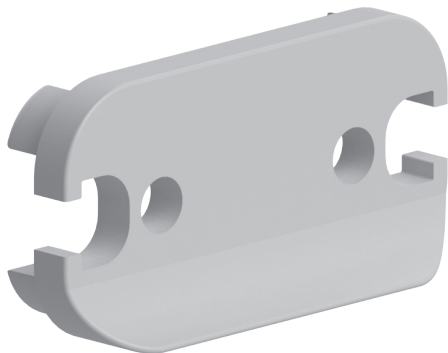
Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**JOINT 30X60 SINGLE REFERENCE**

GIUNTO 30X60 SINGOLO RIFERIMENTO  
EMPALME 30X60 REFERENCIA ÚNICA  
JOINT 30X60 UNIQUE RÉFÉRENCE  
30X60 EINZELREFERENZVERBINDUNG

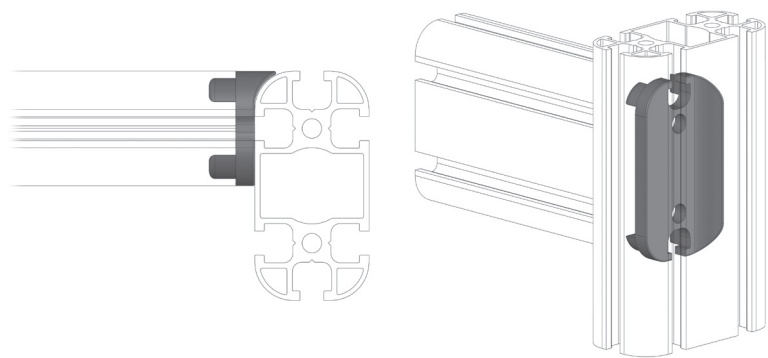
AC  
6  
30



Cod	Note	g
800.029.116	Ideal for cross or corner joints - Ideale per giunzioni a croce o angolo - Ideal para juntas cruzadas o de esquina - Idéal pour les joints transversaux ou d'angle - Ideal für Kreuz- oder Eckverbindungen	24

**Sanded aluminum**

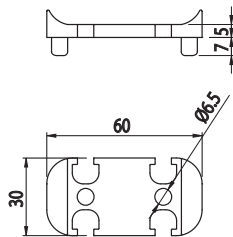
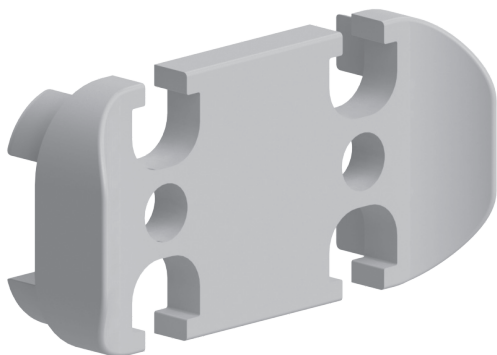
Alluminio sabbato  
Aluminio lijado  
Aluminium sablé  
Sandgestrahltes Aluminium



**30X60 JOINT DOUBLE REFERENCE**

GIUNTO 30X60 DOPPIO RIFERIMENTO  
EMPALME 30X60 REFERENCIA DOBLE  
30X60 JONCTION DOUBLE RÉFÉRENCE  
30X60 DOPPELREFERENZGELENK

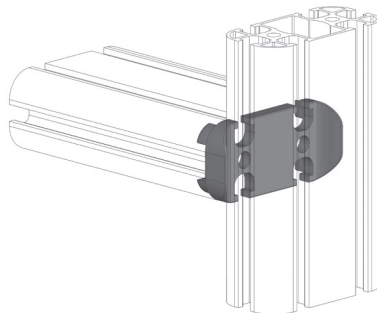
AC  
6  
30



Cod	Note	g
800.029.117	For strong and anti-rotation joints with vertical profiles - Per giunzioni robuste e antirotazione con profili in verticale - Para juntas robustas y antirrotación con perfiles verticales - Pour joints robustes et anti-rotation avec profilés verticaux - Für robuste und verdrehsichere Gelenke mit senkrechten Profilen	22

**Sanded aluminum**

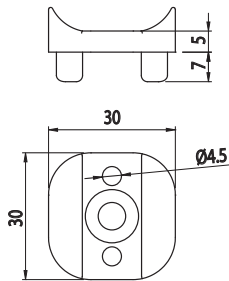
Alluminio sabbato  
Aluminio lijado  
Aluminium sablé  
Sandgestrahltes Aluminium





**30X30 JOINT DOUBLE REFERENCE**

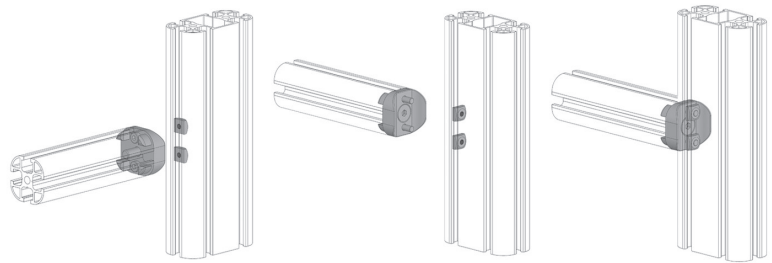
GIUNTO 30X30 RAPIDO DOPPIO RIFERIMENTO  
 EMPALME 30X30 REFERENCIA DOBLE  
 30X30 JONCTION DOUBLE RÉFÉRENCE  
 30X30 DOPPELREFERENZGELENK



Cod	Note	g
<b>800.029.131</b>	For existing structures or adjustable fixings - Per strutture esistenti o fissaggi regolabili - Para estructuras existentes o fijaciones ajustables - Pour structures existantes ou fixations ajustables - Für bestehende Strukturen oder einstellbare Befestigungen	14

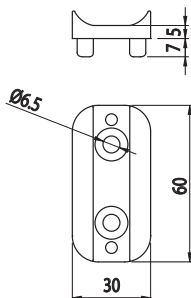
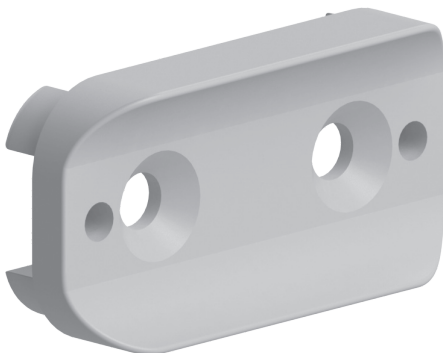
**Sanded aluminum**

Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**30X60 QUICK JOINT DOUBLE REFERENCE**

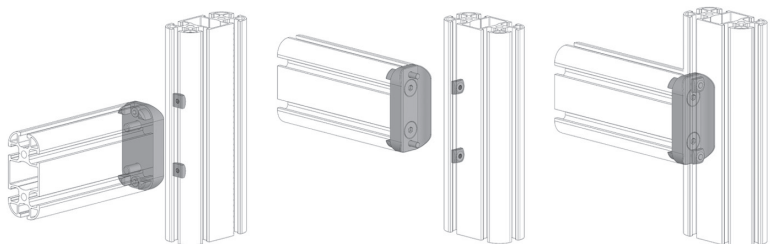
GIUNTO 30X60 RAPIDO DOPPIO RIFERIMENTO  
 EMPALME RÁPIDO 30X60 REFERENCIA DOBLE  
 30X60 JONCTION RAPIDE DOUBLE RÉFÉRENCE  
 30X60 DOPPELREFERENZSCHNELLGELENK



Cod	Note	g
<b>800.029.135</b>	For existing structures or adjustable fixings - Per strutture esistenti o fissaggi regolabili - Para estructuras existentes o fijaciones ajustables - Pour structures existantes ou fixations ajustables - Für bestehende Strukturen oder einstellbare Befestigungen	28

**Sanded aluminum**

Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



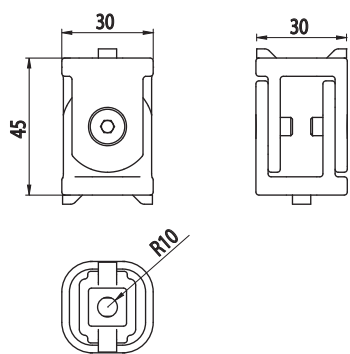


**ARTICULATED JOINT, 30X30**

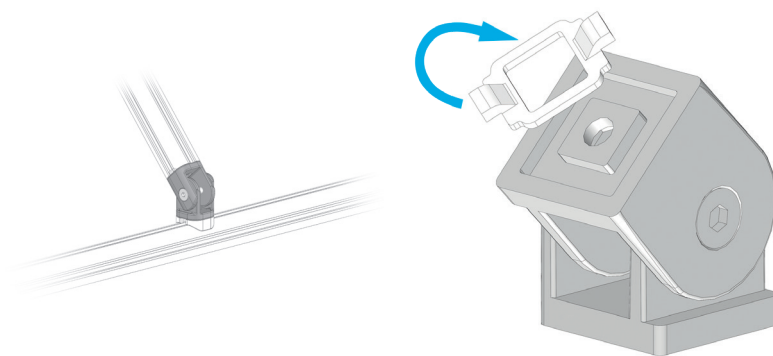
GIUNTO SNODATO 30X30  
EMPALME ARTICULADO 30X30  
JOINT ARTICULÉ 30X30  
VERBINDER MIT GELENK 30X30

AC  
6  
30

Cod	Note	g
<b>084.311.017</b>	For 30x30 round profile - Per profilo 30x30 arrotondato - Para perfile redondo 30x30 - Pour profilé rond 30x30 - Für runder Profile 30x30	50



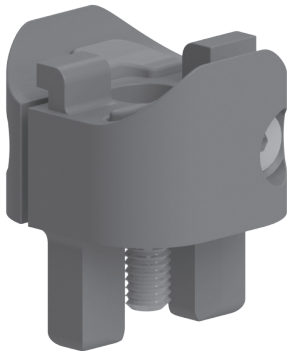
**Sanded aluminum**  
Alluminio sabbato  
Aluminio lijado  
Aluminium sablé  
Sandgestrahltes Aluminium





**30X30 QUICK JOINT DOUBLE REFERENCE**

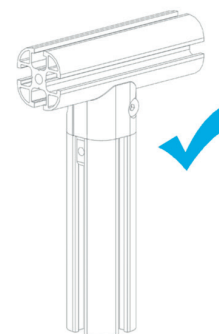
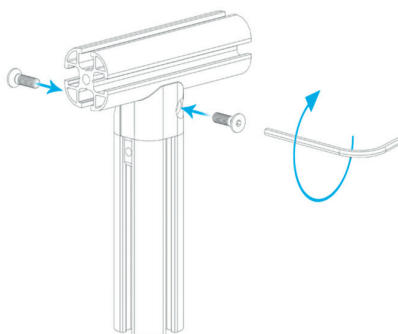
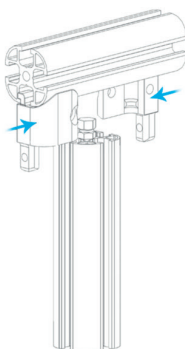
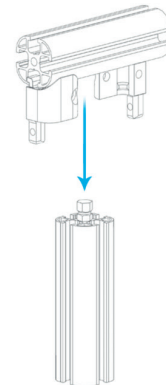
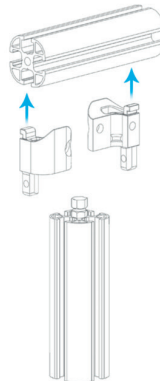
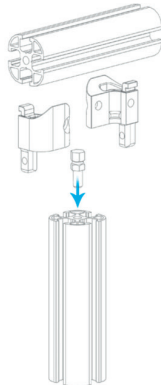
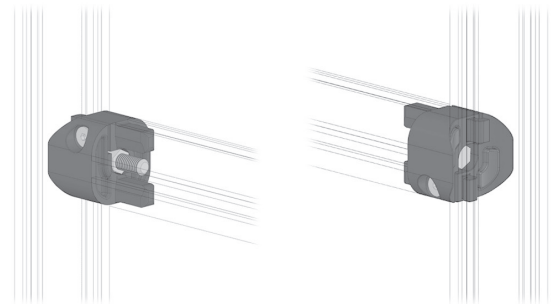
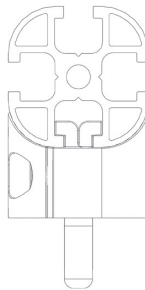
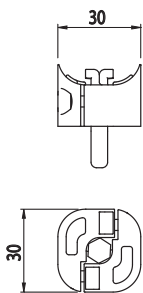
GIUNTO 30X30 RAPIDO DOPPIO RIFERIMENTO  
 EMPALME RÁPIDO 30X30 REFERENCIA DOBLE  
 30X30 JONCTION RAPIDE DOUBLE RÉFÉRENCE  
 30X30 DOPPELREFERENZSCHNELLGELENK



Cod	Note	g
<b>800.029.134</b>	For existing structures or adjustable fixings - Per strutture esistenti o fissaggi regolabili - Para estructuras existentes o fijaciones ajustables - Pour structures existantes ou fixations ajustables - Für bestehende Strukturen oder einstellbare Befestigungen	22

**Sanded aluminum**

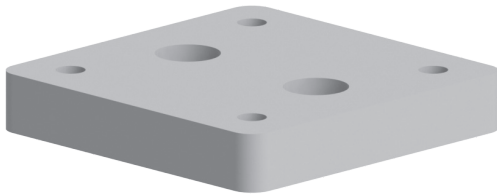
Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium





**FLANGE FOR WHEEL**

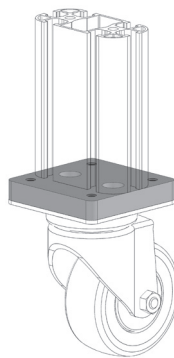
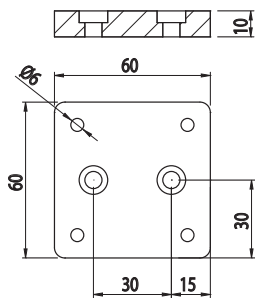
FLANGIA PER RUOTA  
BRIDA PARA RUEDA  
BRIDE POUR ROUE  
FLANSCH FÜR RAD



Cod	Note	g
<b>800.029.127</b>	For 30x60 profile for fixing wheels with plate - Per profilo 30x60 per fissaggio ruote con piastra - Para perfil 30x60 para fijar ruedas con placa - Pour profilé 30x60 pour la fixation des roues avec plaque - Für 30x60 Profil zur Befestigung von Rädern mit Platte	91

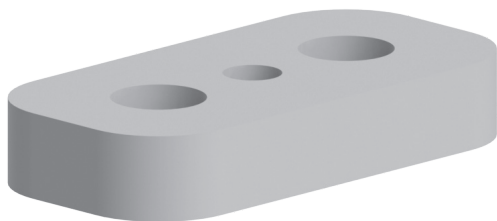
**Anodised aluminium**

Alluminio anodizzato  
Aluminio anodizado  
Aluminium anodisé  
Eloxiertes Aluminium



**FLANGE FOR FEET**

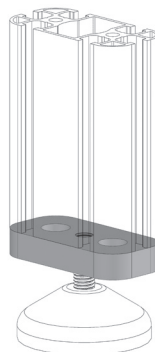
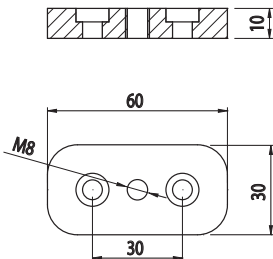
FLANGIA PER PIEDINI  
BRIDA PARA PIES  
BRIDE POUR PIEDS  
FLANSCH FÜR FÜSSE



Cod	Note	g
<b>800.029.128</b>	For profile 30 x 60 for fixing M8 feet - Per profilo 30 x 60 per fissaggio piedini M8 - Para perfil 30 x 60 para fijar pies M8 - Pour le profil 30 x 60 pour la fixation des pieds M8 - Für Profil 30 x 60 zur Befestigung von M8 Füßen	42

**Anodised aluminium**

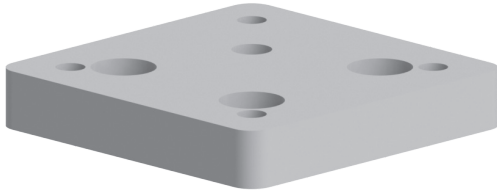
Alluminio anodizzato  
Aluminio anodizado  
Aluminium anodisé  
Eloxiertes Aluminium





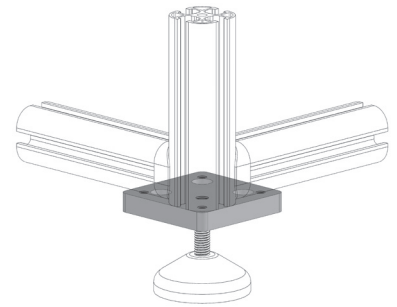
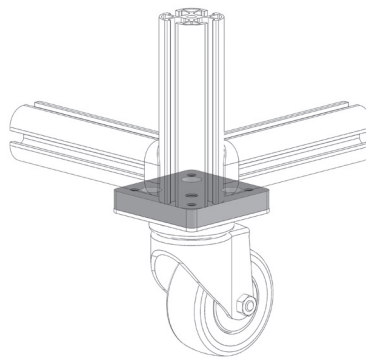
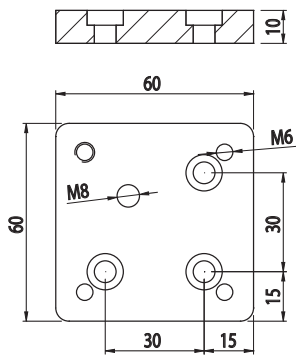
**CORNER FLANGE**  
 FLANGIA D'ANGOLO  
 BRIDA DE LA ESQUINA  
 BRIDE DE COIN  
 ECKFLANSCH

AC  
6  
30



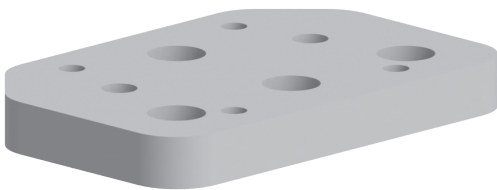
Cod	Note	g
<b>800.029.129</b>	For corner supports with wheel or foot M8 - Per supporti d'angolo con ruota o piedino M8 - Para soportes de esquina con rueda o pie M8 - Pour les supports d'angle avec roue ou pied M8 - Für Eckstützen mit Rad oder Fuß M8	89

**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium



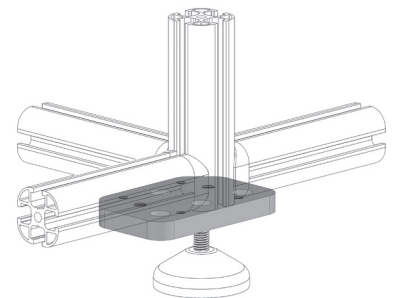
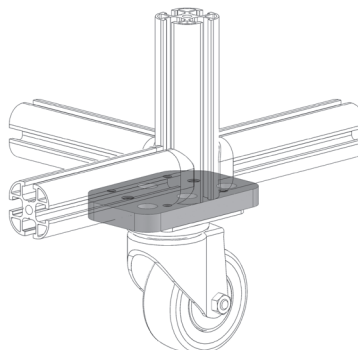
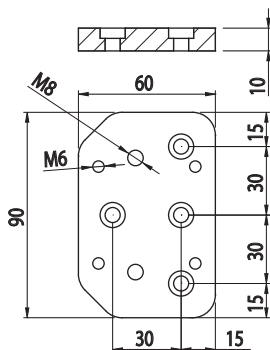
**CORNER FLANGE**  
 FLANGIA D'ANGOLO  
 BRIDA DE LA ESQUINA  
 BRIDE DE COIN  
 ECKFLANSCH

AC  
6  
30



Cod	Note	g
<b>800.029.130</b>	For intermediate supports with wheel or with M8 foot - Per supporti intermedi con ruota o con piedino M8 - Para soportes intermedios con rueda o con pie M8 - Pour les supports intermédiaires avec roue ou avec pied M8 - Für Zwischenstützen mit Rad oder mit M8 Fuß	128

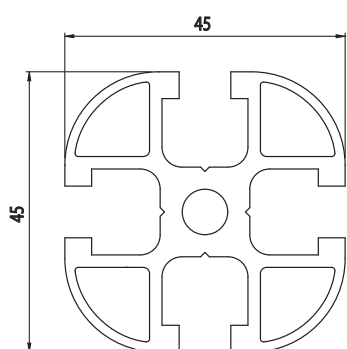
**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium



45x45





Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm2	Kg/m
<b>800.029.001</b>	9,68	9,68	4,30	4,30	627	1,70



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

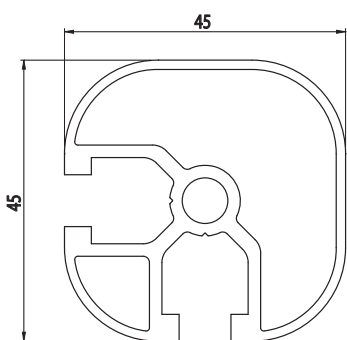
**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

Cap - Tappo - Tapòn - Embout - Abdeck			
			
Cod	Mat	g	Col
<b>800.029.109</b>	PA	7	■
<b>800.029.109G</b>	PA	7	■

45x45





Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm2	Kg/m
<b>800.029.009</b>	7,52	7,52	3,43	3,43	434	1,17



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

Cap - Tappo - Tapòn - Embout - Abdeck			
			
Cod	Mat	g	Col
<b>800.029.109</b>	PA	7	■
<b>800.029.109G</b>	PA	7	■

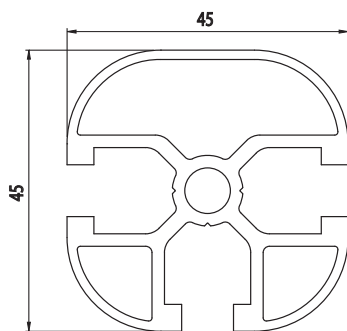




45x45





Cod	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>800.029.010</b>	9,14	8,22	4,06	3,65	502,04	1,35



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

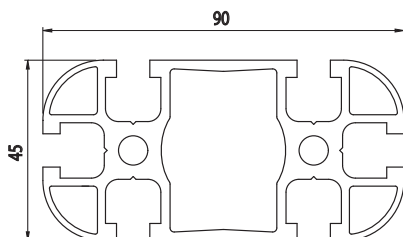
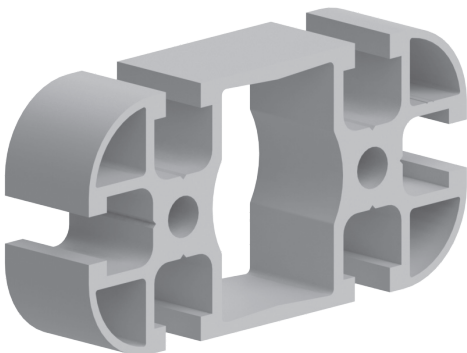
**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

Cap - Tappo - Tapòn - Embout - Abdeck			
		2.5	
Cod	Mat	g	Col
<b>800.029.109</b>	PA	7	■
<b>800.029.109G</b>	PA	7	■

45x90

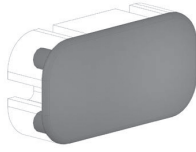



Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>800.029.002</b>	21,42	82,51	9,52	18,33	1127	3,05



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

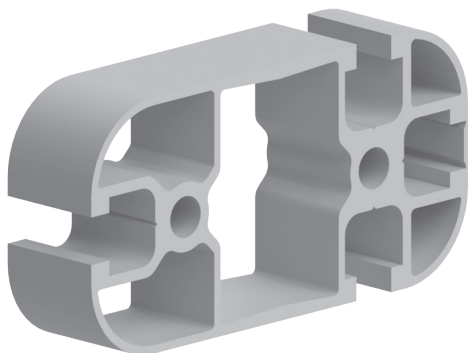
**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

Cap - Tappo - Tapòn - Embout - Abdeck			
		2.5	
Cod	Mat	g	Col
<b>800.029.110</b>	PA	12	■
<b>800.029.110G</b>	PA	12	■

45x90

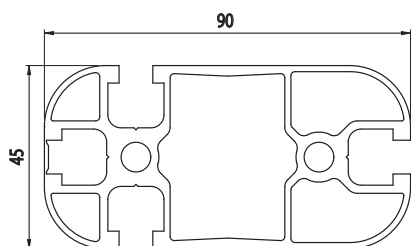


Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>800.029.011</b>	74,41	18,82	16,53	8,36	956,98	2,58



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

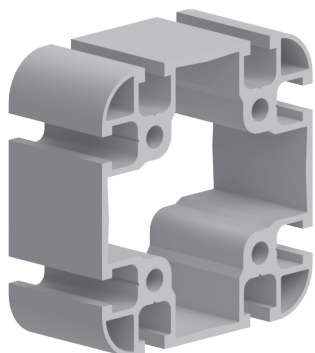


Cap - Tappo - Tapòn - Embout - Abdeck			
Cod	Mat	g	Col
<b>800.029.110</b>	PA	12	■
<b>800.029.110G</b>	PA	12	■

90x90

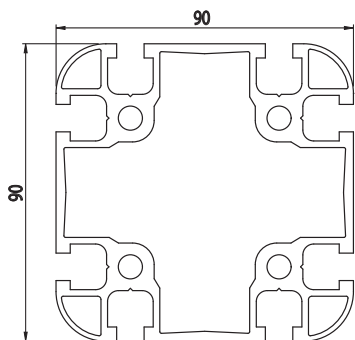


Cod	lx cm <sup>4</sup>	ly cm <sup>4</sup>	wx cm <sup>3</sup>	wy cm <sup>3</sup>	mm <sup>2</sup>	Kg/m
<b>800.029.012</b>	155,02	155,02	34,44	34,44	1766,58	4,77



**Anodised aluminium**  
 Alluminio anodizzato  
 Aluminio anodizado  
 Aluminium anodisé  
 Eloxiertes Aluminium  
**L=6040mm**

**Natural colour**  
 Colore naturale  
 Color natural  
 Couleur naturelle  
 Natürliche Farbe

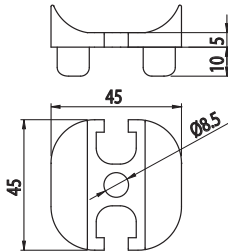


Cap - Tappo - Tapòn - Embout - Abdeck			
Cod	Mat	g	Col
<b>800.029.138</b>	PA	20	■
<b>800.029.138G</b>	PA	20	■



**45X45 JOINT DOUBLE REFERENCE**

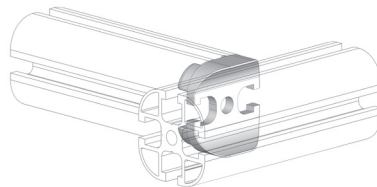
GIUNTO 45X45 DOPPIO RIFERIMENTO  
 EMPALME 45X45 REFERENCIA DOBLE  
 45X45 JONCTION DOUBLE RÉFÉRENCE  
 45X45 DOPPELREFERENZGELENK



Cod	Note	g
<b>800.029.101</b>	Suitable for strong and anti-rotation joints - Ideale per giunzioni robuste e antirotazione - Ideal para juntas robustas y antirrotación - Idéal pour les joints robustes et anti-rotation - Ideal für robuste und verdrehsichere Gelenke	45

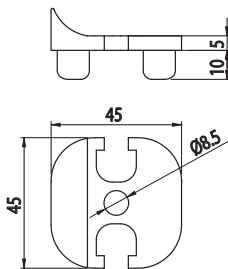
**Sanded aluminum**

Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**ORTHOGONAL JOINT**

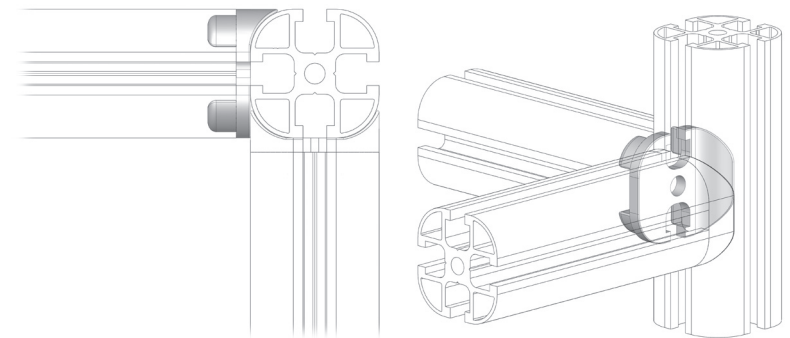
GIUNTO ORTOGONALE 45X45  
 ARTICULACIÓN ORTOGONAL  
 JOINT ORTHOGONAL  
 ORTHOGONALE VERBINDUNG



Cod	Note	g
<b>800.029.102</b>	Suitable for strong and anti-rotation joints - Ideale per giunzioni robuste e antirotazione - Ideal para juntas robustas y antirrotación - Idéal pour les joints robustes et anti-rotation - Ideal für robuste und verdrehsichere Gelenke	40

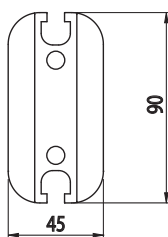
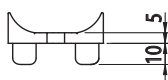
**Sanded aluminum**

Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**45X90 JOINT DOUBLE REFERENCE**

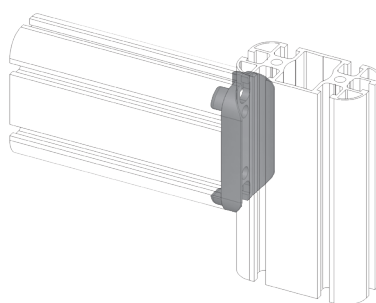
GIUNTO 45X90 DOPPIO RIFERIMENTO  
 EMPALME 45X90 REFERENCIA DOBLE  
 45X90 JONCTION DOUBLE RÉFÉRENCE  
 45X90 DOPPELREFERENZGELENK



Cod	Note	g
<b>800.029.106</b>	Suitable for strong and anti-rotation joints - Ideale per giunzioni robuste e antirotazione - Ideal para juntas robustas y antirrotación - Idéal pour les joints robustes et anti-rotation - Ideal für robuste und verdrehsichere Gelenke	80

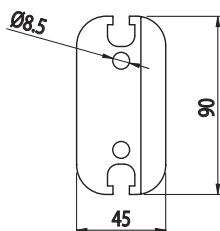
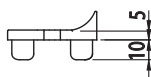
**Sanded aluminum**

Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**45X90 SINGLE REFERENCE JOINT**

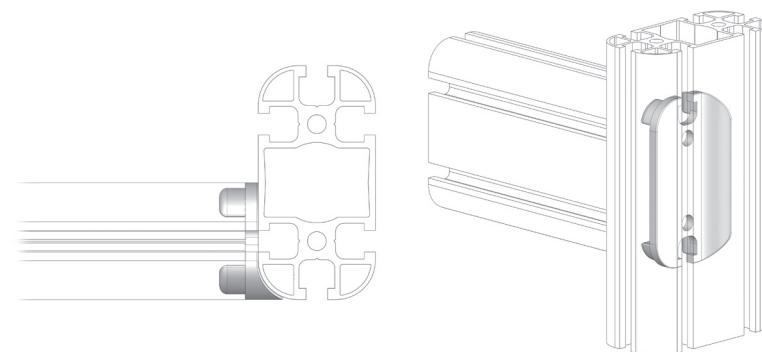
GIUNTO 45X90 SINGOLO RIFERIMENTO  
 EMPALME 45X90 REFERENCIA ÚNICA  
 45X90 JOINT DE RÉFÉRENCE UNIQUE  
 45X90 EINZELREFERENZVERBINDUNG



Cod	Note	g
<b>800.029.107</b>	Suitable for cross or corner joints - Ideale per giunzioni a croce o angolo - Ideal para juntas cruzadas o de esquina - Idéal pour les joints transversaux ou d'angle - Ideal für Kreuz- oder Eckverbindungen	72

**Sanded aluminum**

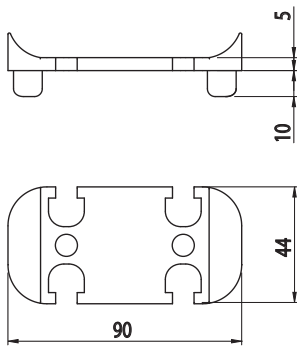
Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium





**45X90 ORTHOGONAL JOINT**  
 GIUNTO ORTOGONALE 45X90  
 45X90 ARTICULACIÓN ORTOGONAL  
 45X90 JOINT ORTHOGONAL  
 45X90 ORTHOGONALE VERBINDUNG

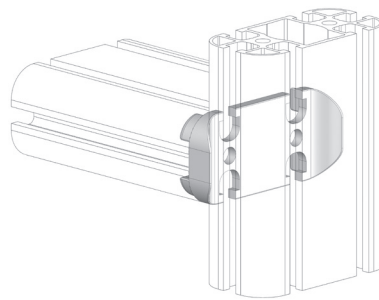
AC  
8  
45



Cod	Note	g
<b>800.029.108</b>	For strong and anti-rotation joints for vertical profiles - Per giunzioni robuste e antirotazione per profili in verticale - Para juntas robustas y antirrotación para perfiles verticales - Pour joints robustes et anti-rotation pour profilés verticaux - Für robuste und verdrehsichere Gelenke für senkrechte Profile	68

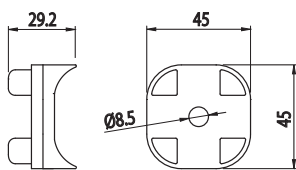
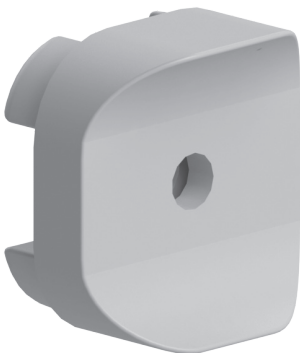
**Sanded aluminum**

Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**ADJUSTABLE JOINT 45X45**  
 GIUNTO REGOLABILE 45X45  
 EMPALME AJUSTABLE 45X45  
 JONCTION RÉGLABLE 45X45  
 VERSTELLGELENK 45X45

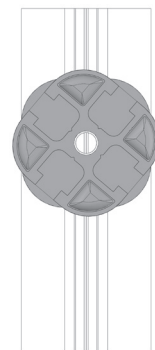
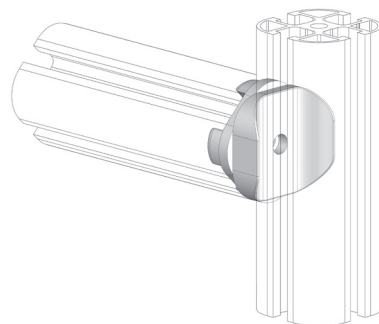
AC  
8  
45



Cod	Note	g
<b>800.029.103</b>	Suitable for creating inclined support surfaces - Ideale per realizzare piani di appoggio inclinati - Ideal para crear superficies de soporte inclinadas - Idéal pour créer des surfaces de support inclinées - Ideal zum Erstellen von geneigten Auflageflächen	71

**Sanded aluminum**

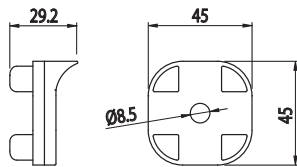
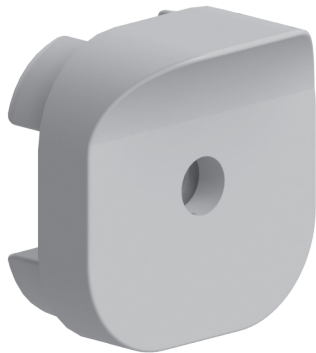
Alluminio sabbiato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**ADJUSTABLE JOINT 45X45**

GIUNTO REGOLABILE 45X45  
 JUNTA AJUSTABLE 45X45  
 JOINT RÉGLABLE 45X45  
 VERSTELLGELENK 45X45

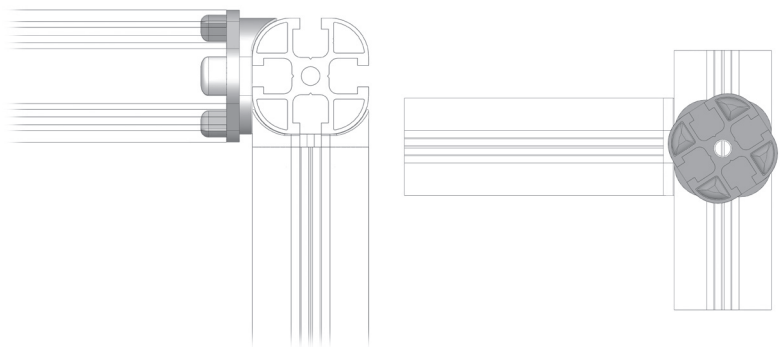
AC  
8  
45



Cod	Note	g
<b>800.029.104</b>	Suitable for creating inclined support surfaces - Ideale per realizzare piani di appoggio inclinati - Ideal para crear superficies de soporte inclinadas - Idéal pour créer des surfaces de support inclinées - Ideal zum Erstellen von geneigten Auflageflächen	68

**Sanded aluminum**

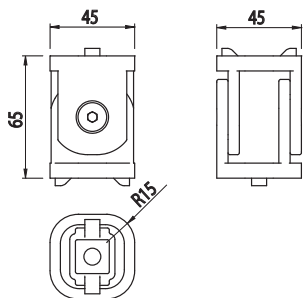
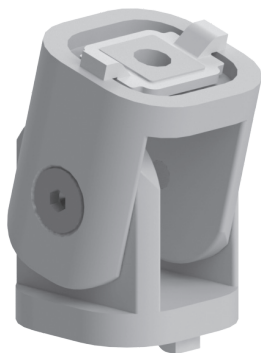
Alluminio sabbato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium



**ARTICULATED JOINT, 45X45**

GIUNTO SNODATO 45X45  
 EMPALME ARTICULADO 45X45  
 JOINT ARTICULÉ 45X45  
 VERBINDER MIT GELENK 45X45

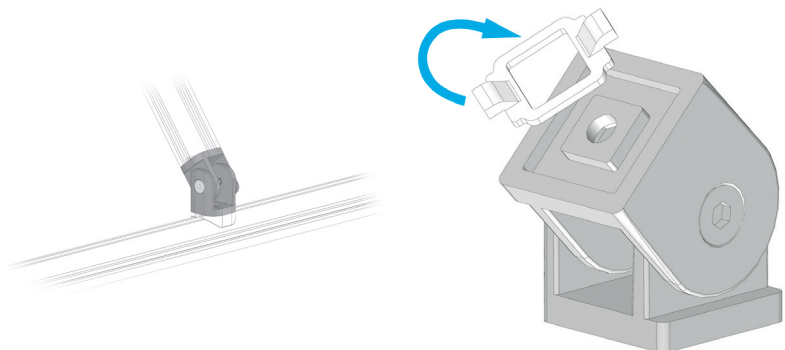
AC  
8  
45



Cod	Note	g
<b>084.311.013</b>	For round profile 45x45 - Per profilo 45x45 arrotondato - Para perfil redondo 45x45 - Pour profilé rond 45x45 - Für rund Profil 45x45	170

**Sanded aluminum**

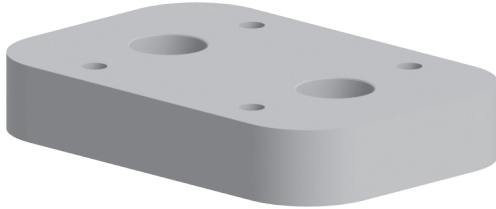
Alluminio sabbato  
 Aluminio lijado  
 Aluminium sablé  
 Sandgestrahltes Aluminium





**FLANGE FOR WHEEL**

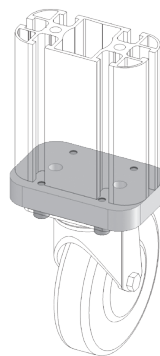
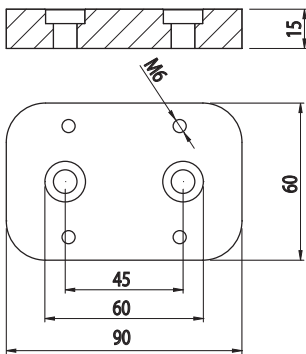
FLANGIA PER RUOTA  
BRIDA PARA RUEDA  
BRIDE POUR ROUE  
FLANSCH FÜR RAD



Cod	Note	g
<b>800.029.121</b>	For profile 45x90 for fixing wheels with plate - Per profilo 45x90 per fissaggio ruote con piastra - Para perfil 45x90 para fijar ruedas con placa - Pour le profil 45x90 pour la fixation des roues avec plaque - Für Profil 45x90 zur Befestigung von Rädern mit Platte	190

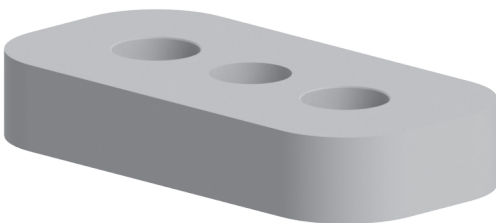
**Anodised aluminium**

Alluminio anodizzato  
Aluminio anodizado  
Aluminium anodisé  
Eloxiertes Aluminium



**FLANGE FOR FEET**

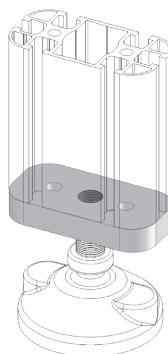
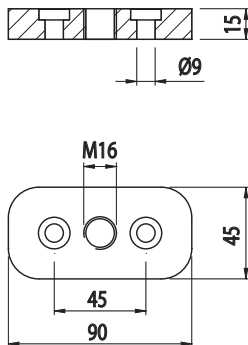
FLANGIA PER PIEDINI  
BRIDA PARA PIES  
BRIDE POUR PIEDS  
FLANSCH FÜR FÜSSE



Cod	Note	g
<b>800.029.122</b>	For profile 45 x 90 for fixing feet M16 - Per profilo 45 x 90 per fissaggio piedini M16 - Para perfil 45 x 90 para la fijación de pies M16 - Pour le profil 45 x 90 pour la fixation des pieds M16 - Für Profil 45 x 90 für Befestigungsfüße M16	150

**Anodised aluminium**

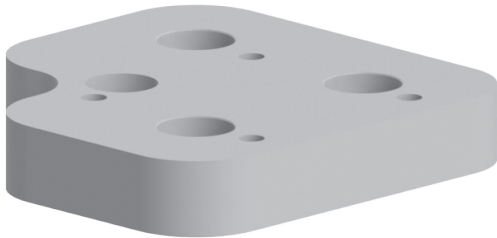
Alluminio anodizzato  
Aluminio anodizado  
Aluminium anodisé  
Eloxiertes Aluminium



**FLANGE FOR FEET**

FLANGIA PER PIEDINI  
BRIDA PARA PIES  
BRIDE POUR PIEDS  
FLANSCH FÜR FÜSSE

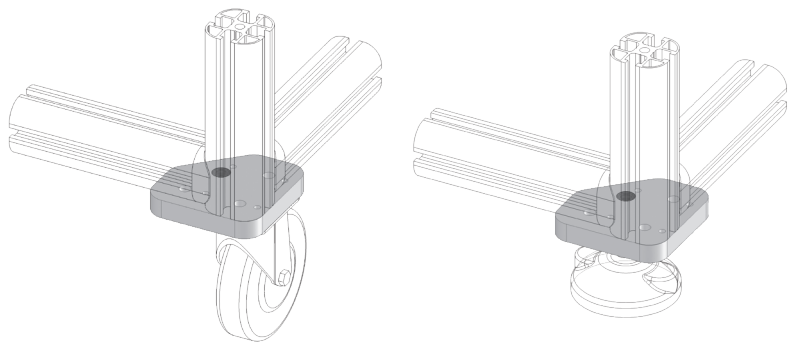
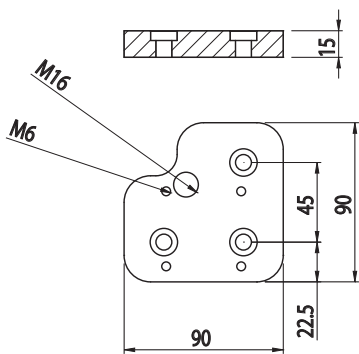
AC  
8  
45



Cod	Note	g
<b>800.029.123</b>	For corner supports with wheel or with M16 foot - Per supporti d'angolo con ruota o con piedino M16 - Para soportes de esquina con rueda o con pie M16 - Pour les supports d'angle avec roue ou avec pied M16 - Für Eckhalter mit Rad oder mit Fuß M16	240

**Anodised aluminium**

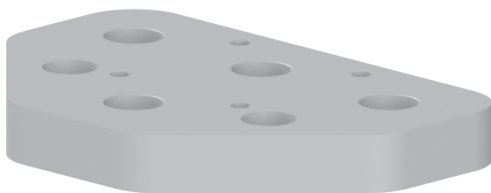
Alluminio anodizzato  
Aluminio anodizado  
Aluminium anodisé  
Eloxiertes Aluminium



**CROSS-JOINTED FLANGE**

FLANGIA GIUNZIONI A CROCE  
BRIDA CRUZADA  
BRIDE CROISEE  
KREUZGELENK-FLANSCH

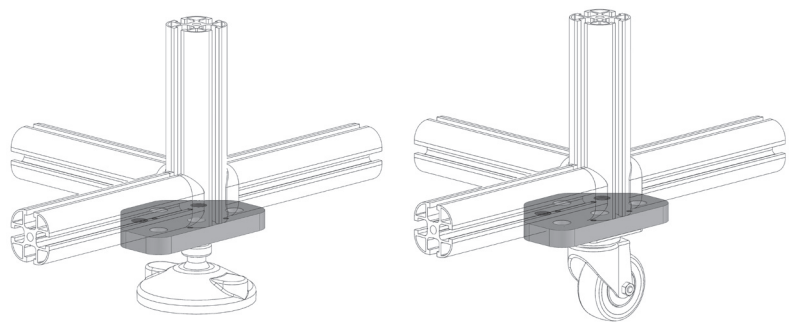
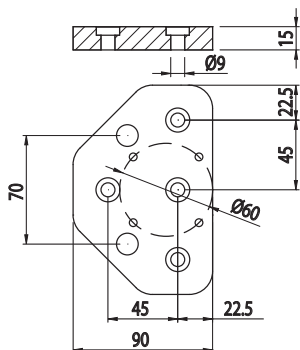
AC  
8  
45



Cod	Note	g
<b>800.029.124</b>	For intermediate supports with wheel or with M16 feet - Per supporti intermedi con ruota o con piedini M16 - Para soportes intermedios con rueda o con pies M16 - Pour les supports intermédiaires avec roue ou avec pieds M16 - Für Zwischenstützen mit Rad oder mit M16 Füßen	440

**Anodised aluminium**

Alluminio anodizzato  
Aluminio anodizado  
Aluminium anodisé  
Eloxiertes Aluminium



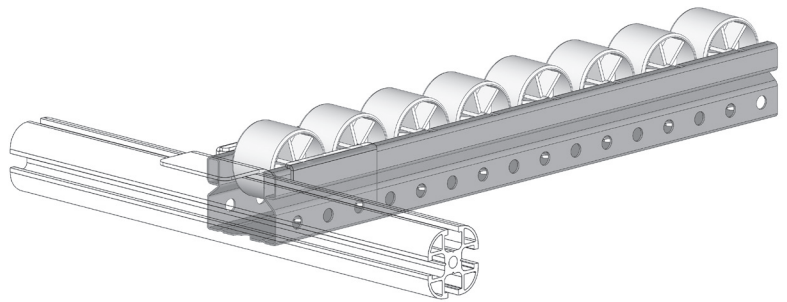
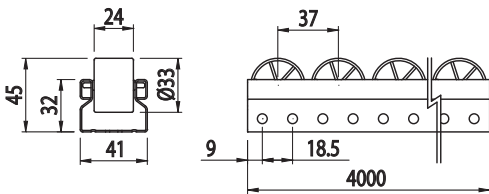
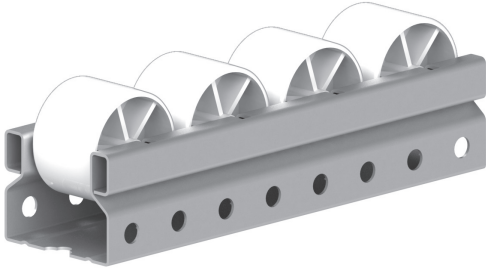




**STANDARD ROLLER TRACK - FLAT ROLLERS**

RULLIERA STANDARD ROTELLA PIATTA  
 TRANSPORTADOR ESTÁNDAR, RUEDA PLANA  
 RAIL À GALET STANDARD ROULETTE PLAT  
 STANDARD-ROLLENSCHIEN MIT FLACHEN ROLLEN

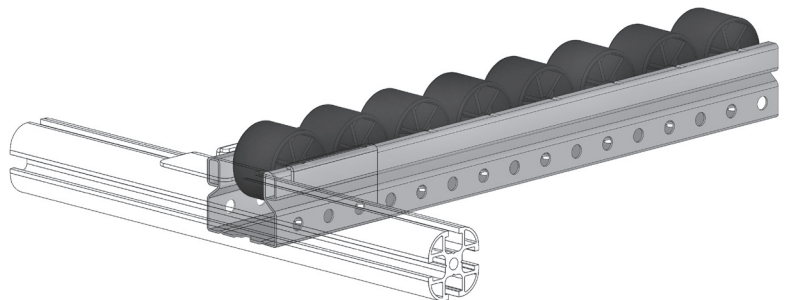
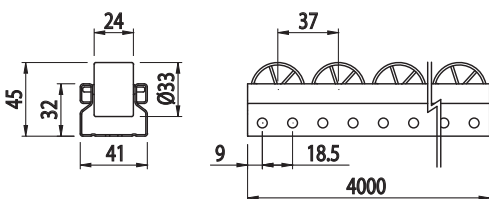
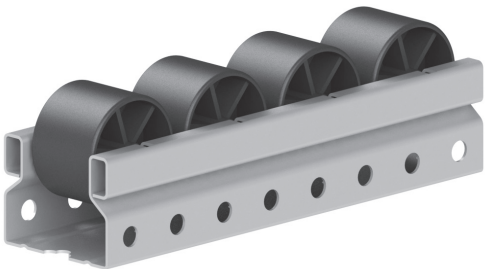
Cod	Note	Kg/m
<b>015.200.006</b>	ø 34 roller / 4 m bars - Rotella ø 34 / barre da 4 m - Rueda ø 34 / Barras de 4 m - Roulette ø 34 / barres de 4 m - Rolle ø 34 / 4-m-Bahnen	1,30



**STANDARD ROLLER TRACK, FLAT ROLLERS**

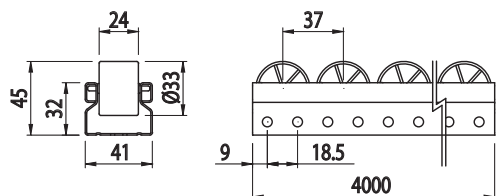
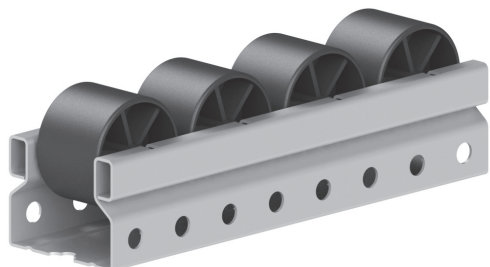
RULLIERA STANDARD ROTELLA PIATTA  
 TRANSPORTADOR ESTÁNDAR, RUEDA PLANA  
 RAIL À GALET STANDARD ROULETTE PLAT  
 STANDARD-ROLLENSCHIEN MIT FLACHEN ROLLEN

Cod	Note	Kg/m
<b>015.200.017</b>	ø 34 roller / 4 m bars - Rotella ø 34 / barre da 4 m - Rueda ø 34 / Barras de 4 m - Roulette ø 34 / barres de 4 m - Rolle ø 34 / 4-m-Bahnen	1,30

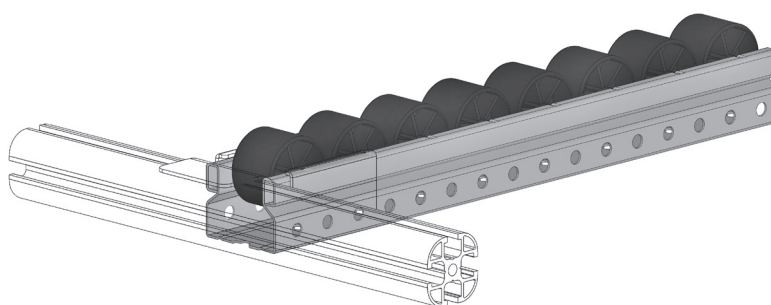


**STANDARD ESD FLAT ROLLER TRACK**

RULLIERA PIATTA STANDARD ESD  
 TRANSPORTADOR PLANO ESTÁNDAR ESD  
 RAIL À GALET PLAT STANDARD ESD  
 FLACHE STANDARD-ROLLENSCHIEN ESD

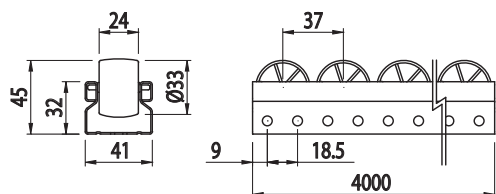
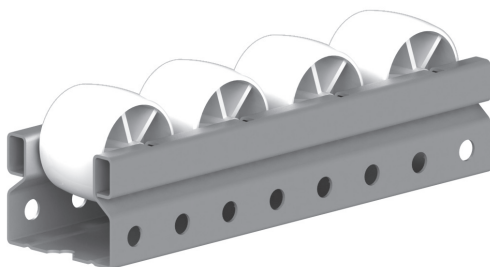


Cod	Note	Kg/m
<b>015.200.012</b>	ø 34 roller / 4 m bars - Rotella ø34 / barre da 4 m - Rueda ø 34 / Barras de 4 m - Roulette ø 34 / barres de 4 m - Rolle ø 34 / 4-m-Bahnen	1,30

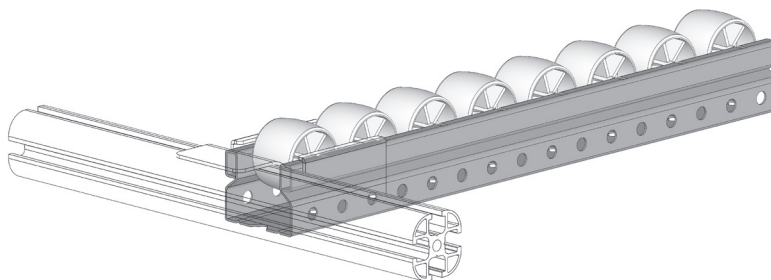


**STANDARD ROLLER TRACK, CONVEX ROLLERS**

RULLIERA STANDARD ROTELLA BOMBATA  
 TRANSPORTADOR ESTÁNDAR, RUEDA ABOMBADA  
 RAIL À GALET STANDARD ROULETTE BOMBÉE  
 STAND.-ROLLENSCHIEN MIT GEWÖLBTEN ROLLEN



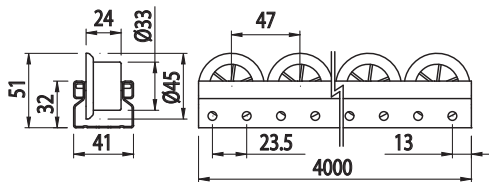
Cod	Note	Kg/m
<b>015.200.011</b>	ø 34 roller / 4m bars - Rotella ø34 / barre da 4m - Rueda ø 34 / Barras de 4m - Roulette ø 34 / barres de 4m - Rolle ø 34 / 4-m-Bahnen	1,30



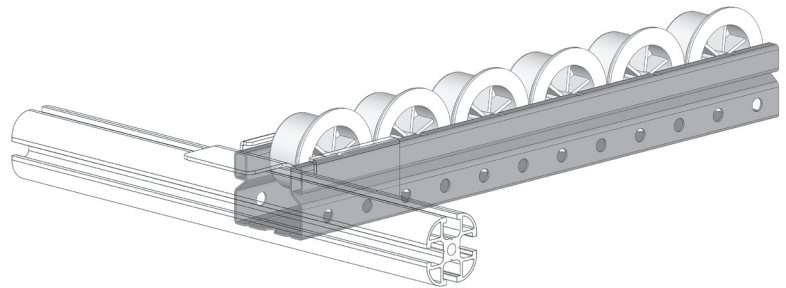


**ROLLER TRACK WITH FLANGED ROLLERS**

RULLIERA CON SPONDA  
 TRANSPORTADOR CON GUÍA  
 RAIL À GALET AVEC BORD  
 ROLLENSCHIEN MIT WAND

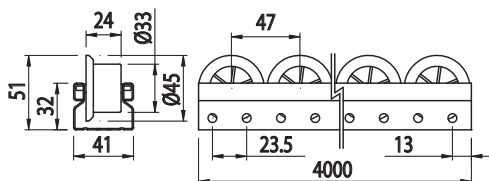


Cod	Note	Kg/m
<b>015.200.007</b>	ø 34 roller with flanged rollers / 4 m bars - Rotella ø 34 con sponda / barra da 4 m - Rueda ø 34 con guía / Barras de 4 m - Roulette ø 34 avec bord / barres de 4 m - Geflanschte Rolle ø 34 / 4-m-Bahnen	1,30

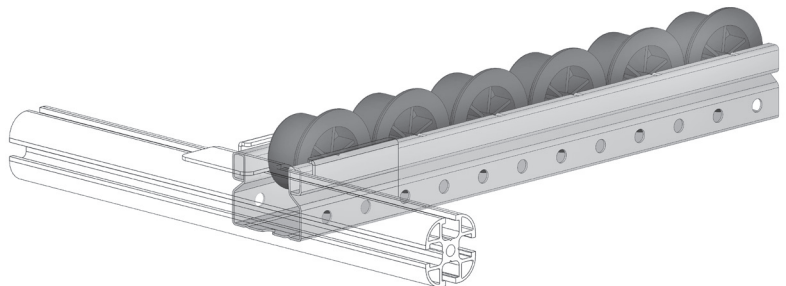


**ROLLER TRACK WITH ESD FLANGED ROLLERS**

RULLIERA CON SPONDA ESD  
 TRANSPORTADOR CON GUÍA ESD  
 RAIL À GALET AVEC BORD ESD  
 ROLLENSCHIEN MIT WAND ESD



Cod	Note	Kg/m
<b>015.200.013</b>	ø 34 roller with ESD flanged rollers / 4 m bars - Rotella ø 34 con sponda ESD / barra da 4 m - Rueda ø 34 con guía ESD / Barras de 4 m - Roulette ø 34 avec bord ESD / barres de 4 m - Geflanschte ESD-Rolle ø 34 / 4-m-Bahnen	1,30

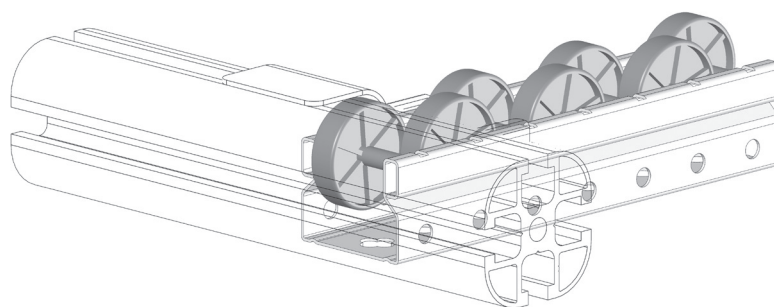
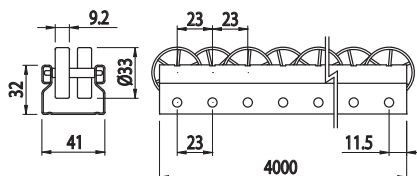
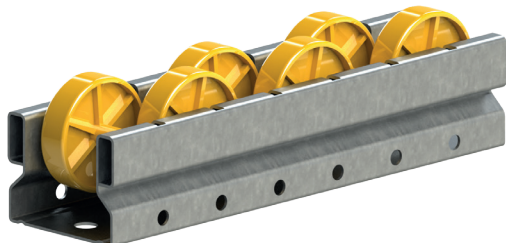




**DOUBLE ROLLER TRACK**

RULLIERA CON DOPPIA ROTELLA  
TRANSPORTADOR CON DOBLE RUEDA  
RAIL À GALET AVEC ROULETTE DOUBLE  
ROLLENSCHIEN MIT DOPPELROLLEN

Cod	Note	Kg/m
<b>015.200.008</b>	ø 34 double roller / 4 m bars - Doppia rotella ø34 / barre da 4 m - Doble rueda ø 34 / Barras de 4 m - Double roulette ø 34 / barres de 4 m - Doppelrolle ø 34 / 4-m-Bahnen	1,30

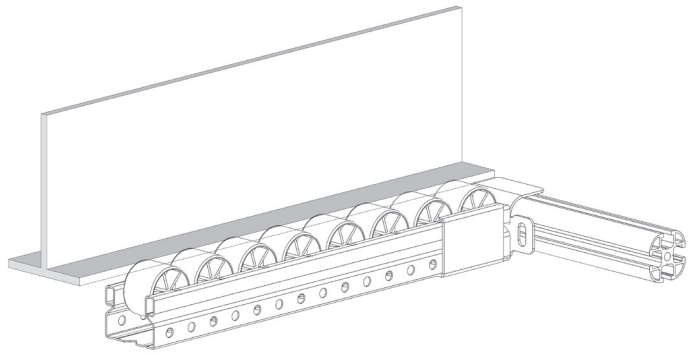
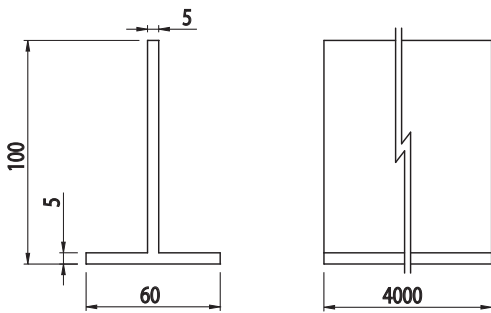
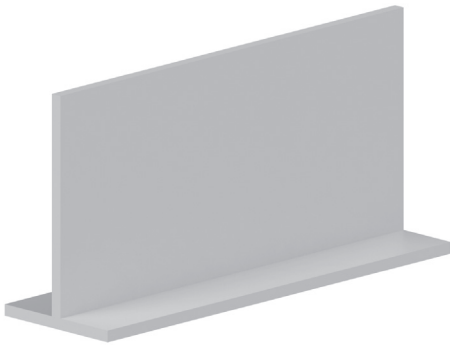




**CENTRAL PLASTIC PROFILE**

SPONDA CENTRALE  
GUÍA CENTRAL  
BORD CENTRAL  
MITTELWAND

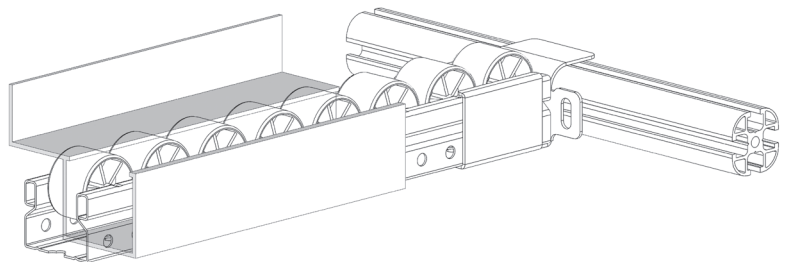
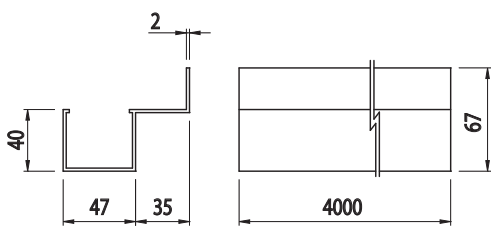
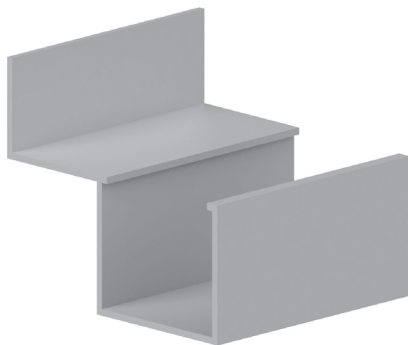
Cod	Note	Kg/m
<b>015.200.009</b>	4 m bars - barre da 4 m - barras de 4 m - barres de 4 m - 4-m-Bahnen	0,75



**SIDE PLASTIC PROFILE**

SPONDA LATERALE  
GUÍA LATERAL  
BORD LATÉRAL  
SEITENWAND

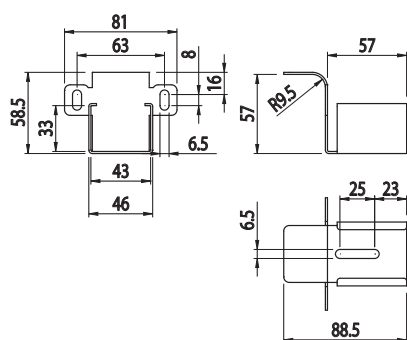
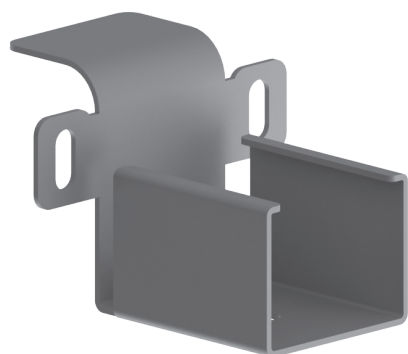
Cod	Note	Kg/m
<b>015.200.010</b>	4 m bars - Barre da 4 m - Barras de 4 m - Barres de 4 m - 4-m-Bahnen	0,70



**BRACKET WITH INTEGRATED STOP**

STAFFA CON FERMO INTEGRATO  
ESTRIBO CON RETÉN INTEGRADO  
BRIDE AVEC ARRÊT INTÉGRÉ  
BÜGEL MIT INTEGRIERTER SPERRE

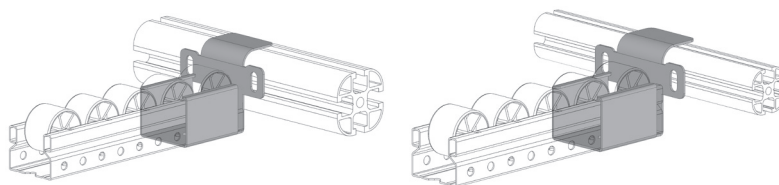
AC 8 45 AC 6 30



Cod	Note	g
<b>800.029.149</b>	Can be fixed to 30x30 45x45 profile - Fissabile al profilo 30x30 45x45 - Para fijar al perfil 30x30 45x45 - Fixable au profilé 30x30 45x45 - Befestigung an Profil 30x30 45x45 möglich	163

**Galvanised steel**

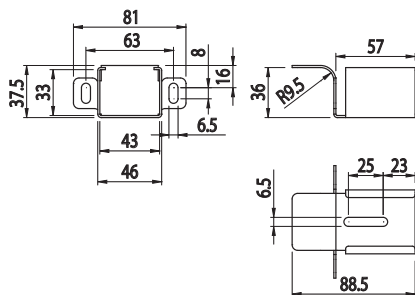
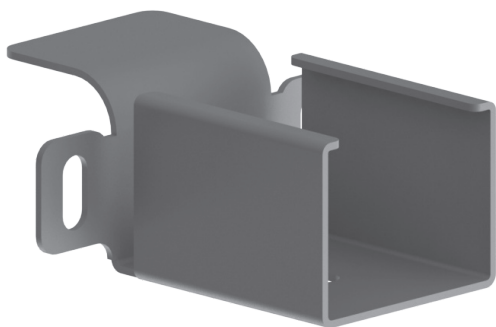
Acciaio zincato  
Acero galvanizado  
Acier zingué  
Verzinkter Stahl



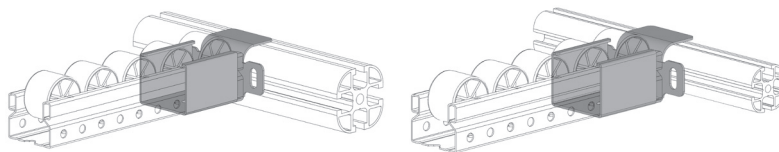
**STANDARD BRACKET**

STAFFA STANDARD  
ESTRIBO ESTÁNDAR  
BRIDE STANDARD  
STANDARD-BÜGEL

AC 8 45 AC 6 30



Cod	Note	g
<b>800.029.150</b>	Can be fixed to 30x30 45x45 profile - Fissabile al profilo 30x30 45x45 - Para fijar al perfil 30x30 45x45 - Fixable au profilé 30x30 45x45 - Befestigung an Profil 30x30 45x45 möglich	156





**Alusic**

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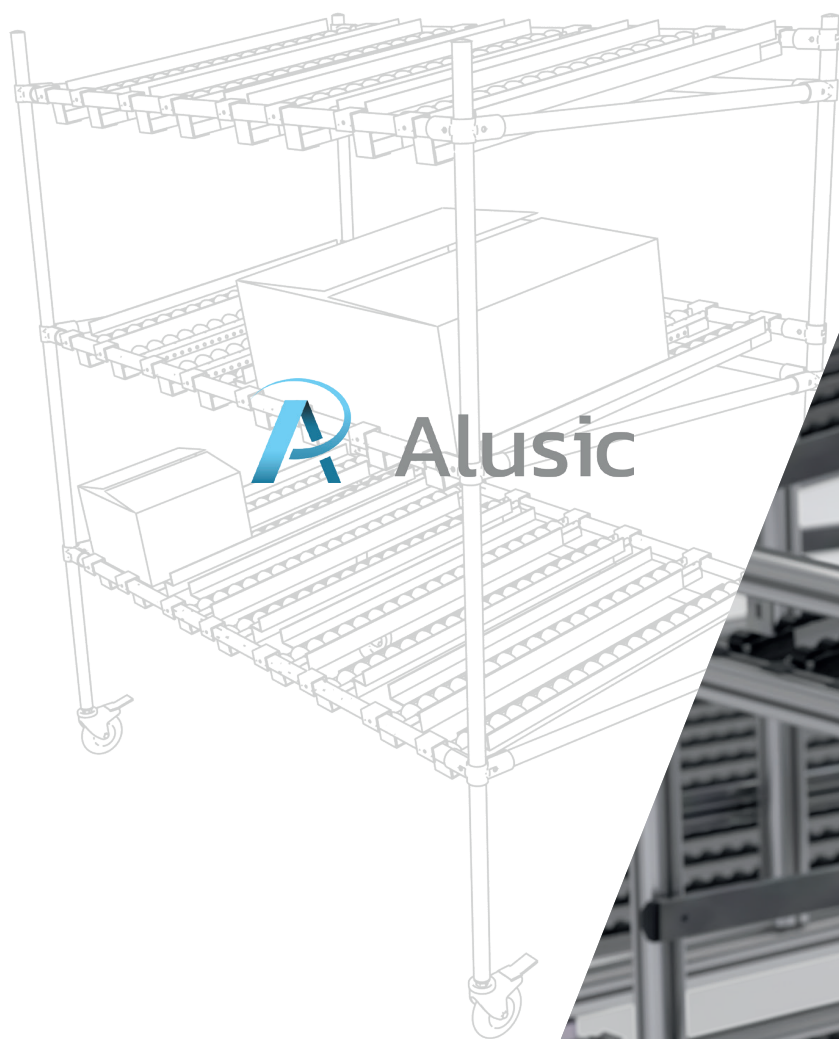


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Finito di stampare nel mese di -  
presso -

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# LM LINE

ED.13 UPD.01



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