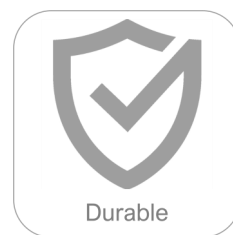
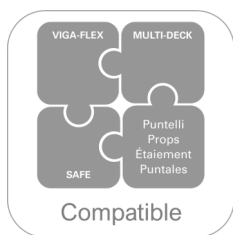




Caratteristiche e vantaggi | Features and advantage | Caractéristiques et avantages | Características y ventajas




 **Puntelli Pesanti** - Robusti, di lunga durata, con alte capacità di supporto indicati per la costruzione di edifici e infrastrutture pesanti. Eccellente rapporto qualità/prezzo.

Altezza massima di carico **H<sub>max</sub> = 5,50m**. Carico massimo consentito **P<sub>max</sub> = 3152kg**.

Compatibili con i sistemi MULTI-DECK, VIGA-FLEX e SAFE. Per la costruzione di tutti i tipi di edifici e infrastrutture pesante. Disponibili con le seguenti finiture: zincati a freddo e a caldo, verniciati a forno con la possibilità di personalizzare il colore su richiesta. Realizzati con acciaio di prima qualità secondo la norma EN 1065 i Puntelli Pesanti Classe B/D/E sono di Qualità Superiore; garantendo una ottima relazione qualità/prezzo.


Omologati CE UNI-EN 1065. Fabbricati 100% in Italia. Un anno di garanzia.

 **Heavy Props** - Robust, durable, with high load capacity and optimal for building and heavy infrastructure construction. Great quality/price ratio.

Maximum load height **H<sub>max</sub> = 5.50m**, Maximum permissible load **P<sub>max</sub> = 3152kg**.

Compatible with MULTI-DECK, VIGA-FLEX and SAFE systems. For use in the construction of all types of buildings and heavy infrastructure. Available in a wide variety of finishes: cold galvanized, hot galvanized and powder paint with the possibility of customizing the colour upon request. Manufactured with top quality steel according to EN 1065 standard, the Heavy Props B/D/E Class have Superior Quality, guaranteeing an optimal quality/price ratio.


According CE UNI-EN 1065 standard. Manufactured 100% in Italy. One year warranty.

 **Étaieiments Lourds** - Robuste, durable, avec une capacité de charge élevée et optimale pour la construction de bâtiments et les infrastructures lourdes. Excellent rapport qualité / prix.

Hauteur de charge maximale **H<sub>max</sub> = 5,50m**. Charge maximale admissible **P<sub>max</sub> = 3152kg**.

Compatibles avec les systèmes MULTI-DECK, VIGA-FLEX et SAFE. À utiliser dans la construction de tous types de bâtiments et d'infrastructures lourde. Disponibles dans une grande variété de finitions: peinture galvanisée à froid, galvanisée à chaud et peinture en poudre avec la possibilité de personnaliser la couleur sur demande. Fabriqué en acier de qualité supérieure selon la norme EN 1065, les Étaieiments Lourds Classe B/D/E sont de qualité supérieure, garantissant un rapport qualité/prix optimal.

Homologués CE UNI-EN 1065. Fabriqué à 100% en Italie. Un an de garantie.

 **Puntales Pesados** - Robustos, duraderos, con alta capacidad de carga y óptimos para construcción de edificios e infraestructura pesada. Excelente relación calidad/precio.

Altura de carga máxima **H<sub>max</sub> = 5,50m**. Carga permisible máxima **P<sub>max</sub> = 3152kg**.

Compatibles con los sistemas MULTI-DECK, VIGA-FLEX y SAFE. Para uso en construcción de todo tipo de edificios e infraestructura pesada. Disponibles en una amplia variedad de acabados: Galvanizado frío, galvanizado caliente y pintura al horno con la posibilidad de personalizar el color a solicitud. Fabricados con acero de primera calidad según Norma EN 1065, los Puntales Pesados Clase B/D/E son de Calidad Superior, garantizando una óptima relación: calidad/precio.

Certificados acorde norma CE UNI-EN 1065. Fabricados 100% en Italia. Un año de garantía.



UNI EN 1065



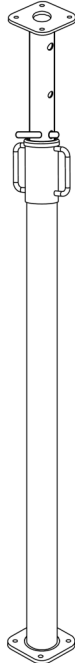
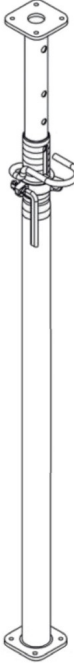
**Tabella dei carichi ammissibili in kN secondo la norma UNI-EN 1065**

Chart of permissible load in accordance with the UNI-EN 1065 Regulation

Tableau des charges admissibles en kN selon UNI-EN 1065

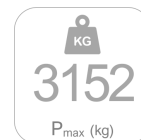
Tabla de carga permisible en kN de acuerdo con la Norma UNI-EN 1065

( 1 kN = 102 kg )

| Estensione<br>Extension<br>Extension<br>Extensión | Puntelli UNI-EN1065 - Classe B<br>UNI-EN 1065 - B Class Props<br>Étaiement UNI-EN 1065 - Classe B<br>Puntales UNI-EN 1065 - Clase B |             |             |             |             |             | Disegno<br>Diagram<br>Diagramme<br>Diagrama  |
|---|---|-------------|-------------|-------------|-------------|-------------|--|
|   | B30<br>(kN)   | B35<br>(kN) | B40<br>(kN) | B45<br>(kN) | B50<br>(kN) | B55<br>(kN) |  |
| (m)   |   |             |             |             |             |             |  |
| 5.50  |   |             |             |             |             | 7.49        | <br> |
| 5.40  |   |             |             |             |             | 7.70        |  |
| 5.30  |   |             |             |             |             | 8.07        |  |
| 5.20  |   |             |             |             |             | 8.38        |  |
| 5.10  |   |             |             |             |             | 8.71        |  |
| 5.00  |   |             |             |             | 8.24        | 9.07        |  |
| 4.90  |   |             |             |             | 8.58        | 9.44        |  |
| 4.80  |   |             |             |             | 8.94        | 9.84        |  |
| 4.70  |   |             |             |             | 9.33        | 10.26       |  |
| 4.60  |   |             |             |             | 9.74        | 10.71       |  |
| 4.50  |   |             |             | 9.16        | 10.18       | 11.19       |  |
| 4.40  |   |             |             | 9.58        | 10.64       | 11.71       |  |
| 4.30  |   |             |             | 10.03       | 11.14       | 12.26       |  |
| 4.20  |   |             |             | 10.51       | 11.68       | 12.85       |  |
| 4.10  |   |             |             | 11.03       | 12.26       | 13.48       |  |
| 4.00  |   |             | 10.30       | 11.59       | 12.88       | 14.17       |  |
| 3.90  |   |             | 10.84       | 12.19       | 13.55       | 14.90       |  |
| 3.80  |   |             | 11.42       | 12.84       | 14.27       | 15.70       |  |
| 3.70  |   |             | 12.04       | 13.55       | 15.05       | 16.56       |  |
| 3.60  |   |             | 12.72       | 14.31       | 15.90       | 17.49       |  |
| 3.50  |   | 11.77       | 13.46       | 15.14       | 16.82       | 18.50       |  |
| 3.40  |   | 12.48       | 14.26       | 16.04       | 17.83       | 19.61       |  |
| 3.30  |   | 13.25       | 15.14       | 17.03       | 18.92       | 20.81       |  |
| 3.20  |   | 14.09       | 16.10       | 18.11       | 20.12       | 22.14       |  |
| 3.10  |   | 15.01       | 17.15       | 19.30       | 21.44       |             |  |
| 3.00  | 13.74   | 16.03       | 18.32       | 20.61       | 22.90       |             |  |
| 2.90  | 14.70   | 17.15       | 19.60       | 22.05       | 24.50       |             |  |
| 2.80  | 15.77   | 18.40       | 21.03       | 23.65       |             |             |  |
| 2.70  | 16.96   | 19.79       | 22.61       | 25.44       |             |             |  |
| 2.60  | 18.29   | 21.34       | 24.39       | 27.43       |             |             |  |
| 2.50  | 19.78   | 23.08       | 26.38       |             |             |             |  |
| 2.40  | 21.46   | 25.04       | 28.62       |             |             |             |  |
| 2.30  | 23.37   | 27.27       | 30.90       |             |             |             |  |
| 2.20  | 25.54   | 29.80       |             |             |             |             |  |
| 2.10  | 28.04   | 30.90       |             |             |             |             |  |
| 2.00  | 30.90   |             |             |             |             |             |  |
| 1.90  | 30.90   |             |             |             |             |             |  |
| 1.80  | 30.90   |             |             |             |             |             |  |

Filetto coperto  
Covered thread  
Fil couvert  
Rosca cubierta

Filetto scoperto  
Open thread  
Fil découvert  
Rosca descubierta




**Tabella dei carichi ammissibili in kN secondo la norma UNI-EN 1065**

Chart of permissible load in accordance with the UNI-EN 1065 Regulation

Tableau des charges admissibles en kN selon UNI-EN 1065

Tabla de carga permisible en kN de acuerdo con la Norma UNI-EN 1065

( 1 kN = 102 kg )

| Estensione<br>Extension<br>Extension<br>Extensión | Puntelli UNI-EN1065 - Classe D |             |             |             |             | Disegno<br>Diagram<br>Diagramme<br>Diagrama  |
|---|--------------------------------|-------------|-------------|-------------|-------------|--|
|   | D30<br>(kN)                    | D35<br>(kN) | D40<br>(kN) | D45<br>(kN) | D55<br>(kN) |  |
| 5.50  |                                |             |             |             | 20.60       |  |
| 5.40  |                                |             |             |             | 20.60       |  |
| 5.30  |                                |             |             |             | 20.60       |  |
| 5.20  |                                |             |             |             | 20.60       |  |
| 5.10  |                                |             |             |             | 20.60       |  |
| 5.00  |                                |             |             |             | 20.60       |  |
| 4.90  |                                |             |             |             | 20.60       |  |
| 4.80  |                                |             |             |             | 20.60       |  |
| 4.70  |                                |             |             |             | 20.60       |  |
| 4.60  |                                |             |             |             | 20.60       |  |
| 4.50  |                                |             |             | 20.60       | 20.60       |  |
| 4.40  |                                |             |             | 20.60       | 20.60       |  |
| 4.30  |                                |             |             | 20.60       | 20.60       |  |
| 4.20  |                                |             |             | 20.60       | 20.60       |  |
| 4.10  |                                |             |             | 20.60       | 20.60       |  |
| 4.00  |                                |             | 20.60       | 20.60       | 20.60       |  |
| 3.90  |                                |             | 20.60       | 20.60       | 20.60       |  |
| 3.80  |                                |             | 20.60       | 20.60       | 20.60       |  |
| 3.70  |                                |             | 20.60       | 20.60       | 20.60       |  |
| 3.60  |                                |             | 20.60       | 20.60       | 20.60       |  |
| 3.50  |                                | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 3.40  |                                | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 3.30  |                                | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 3.20  |                                | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 3.10  |                                | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 3.00  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.90  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.80  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.70  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.60  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.50  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.40  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.30  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.20  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.10  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 2.00  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 1.90  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |
| 1.80  | 20.60                          | 20.60       | 20.60       | 20.60       | 20.60       |  |

Filetto scoperto  
Open thread  
Fil découvert  
Rosca descubierta









Tabella dei carichi ammissibili in kN secondo la norma UNI-EN 1065

Chart of permissible load in accordance with the UNI-EN 1065 Regulation

Tableau des charges admissibles en kN selon UNI-EN 1065

Tabla de carga permisible en kN de acuerdo con la Norma UNI-EN 1065

( 1 kN = 102 kg )

| Estensione<br>Extension<br>Extension<br>Extensión | Puntelli UNI-EN1065 - Classe E |             |             | Disegno<br>Diagram<br>Diagramme<br>Diagrama  |
|---|--------------------------------|-------------|-------------|--|
|   | E30<br>(kN)                    | E35<br>(kN) | E40<br>(kN) |  |
| 5.50  |                                |             |             |  |
| 5.40  |                                |             |             |  |
| 5.30  |                                |             |             |  |
| 5.20  |                                |             |             |  |
| 5.10  |                                |             |             |  |
| 5.00  |                                |             |             |  |
| 4.90  |                                |             |             |  |
| 4.80  |                                |             |             |  |
| 4.70  |                                |             |             |  |
| 4.60  |                                |             |             |  |
| 4.50  |                                |             |             |  |
| 4.40  |                                |             |             |  |
| 4.30  |                                |             |             |  |
| 4.20  |                                |             |             |  |
| 4.10  |                                |             |             |  |
| 4.00  |                                |             | 30.90       |  |
| 3.90  |                                |             | 30.90       |  |
| 3.80  |                                |             | 30.90       |  |
| 3.70  |                                |             | 30.90       |  |
| 3.60  |                                |             | 30.90       |  |
| 3.50  |                                | 30.90       | 30.90       |  |
| 3.40  |                                | 30.90       | 30.90       |  |
| 3.30  |                                | 30.90       | 30.90       |  |
| 3.20  |                                | 30.90       | 30.90       |  |
| 3.10  |                                | 30.90       | 30.90       |  |
| 3.00  | 30.90                          | 30.90       | 30.90       |  |
| 2.90  | 30.90                          | 30.90       | 30.90       |  |
| 2.80  | 30.90                          | 30.90       | 30.90       |  |
| 2.70  | 30.90                          | 30.90       | 30.90       |  |
| 2.60  | 30.90                          | 30.90       | 30.90       |  |
| 2.50  | 30.90                          | 30.90       | 30.90       |  |
| 2.40  | 30.90                          | 30.90       | 30.90       |  |
| 2.30  | 30.90                          | 30.90       | 30.90       |  |
| 2.20  | 30.90                          | 30.90       |             |  |
| 2.10  | 30.90                          | 30.90       |             |  |
| 2.00  | 30.90                          |             |             |  |
| 1.90  | 30.90                          |             |             |  |
| 1.80  | 30.90                          |             |             |  |

Filetto scoperto  
Open thread  
Fil découvert  
Rosca descubierta

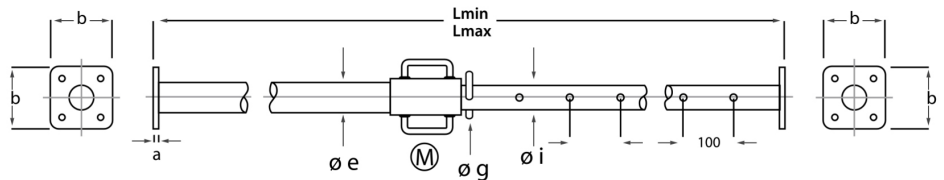





FABBRICATO 100% IN  
MANUFACTURED 100% IN  
FABRIQUÉ À 100% EN  
FABRICADO 100% EN




Dimensioni  
 Dimensions  
 Dimensions  
 Dimensiones

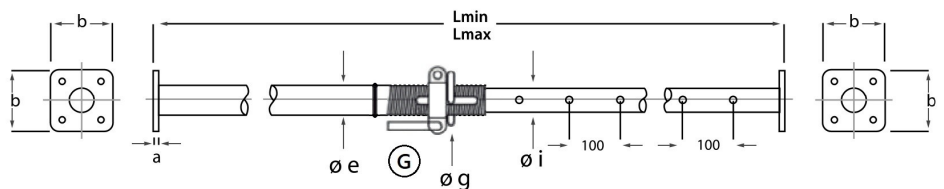



| Class / Type   | Code | Øi (mm) | Øe (mm) | Regulation | bxb (mm) | a (mm) | Øg (mm) | Lmin (mm) | Lmax (mm) | W1 (kg) | W2 (kg) |
|--|------|---------|---------|------------|----------|--------|---------|-----------|-----------|---------|---------|
| <br>Class B<br>Filetto coperto<br>Covered thread<br>Fil couvert<br>Rosca cubierta | B30M | 48.3    | 57.0    | M          | 120x120  | 6      | 14      | 1800      | 3000      | 14.60   | 15.60   |
|  | B35M | 48.3    | 57.0    | M          | 120x120  | 6      | 14      | 2100      | 3500      | 16.20   | 17.10   |
|  | B40M | 48.3    | 57.0    | M          | 120x120  | 6      | 14      | 2300      | 4000      | 18.00   | 19.00   |
|  | B45M | 48.3    | 57.0    | M          | 120x120  | 6      | 14      | 2600      | 4500      | 20.50   | 21.60   |
|  | B50M | 48.3    | 57.0    | M          | 120x120  | 6      | 14      | 2900      | 5000      | 22.60   | 23.90   |
|  | B55M | 48.3    | 57.0    | M          | 120x120  | 6      | 14      | 3200      | 5500      | 26.30   | 27.50   |

W1: Peso medio zincato a freddo e verniciato / Average weight cold galvanized and painted / Poids moyen galvanisé à froid et peint / Peso promedio galvanizado en frío y pintado

W2: Peso medio zincato a caldo / Average weight hot dip galvanized / Poids moyen galvanisé à chaud / Peso promedio galvanizado en caliente

Tolleranza del peso ±5% / Weight tolerance ±5% / Tolérance de poids ±5% / Tolerancia en peso ±5%



| Class / Type  | Code | Øi (mm) | Øe (mm) | Regulation | bxb (mm) | a (mm) | Øg (mm) | Lmin (mm) | Lmax (mm) | W1 (kg) | W2 (kg) |
|---|------|---------|---------|------------|----------|--------|---------|-----------|-----------|---------|---------|
| <br>Class B<br>Filetto scoperto<br>Open thread<br>Fil découvert<br>Rosca descubierta | B30G | 48.3    | 60.3    | G          | 120x120  | 6      | 14      | 1800      | 3000      | 14.90   | 15.70   |
|   | B35G | 48.3    | 60.3    | G          | 120x120  | 6      | 14      | 2100      | 3500      | 16.30   | 17.20   |
|   | B40G | 48.3    | 60.3    | G          | 120x120  | 6      | 14      | 2300      | 4000      | 18.60   | 19.60   |
|   | B45G | 48.3    | 60.3    | G          | 120x120  | 6      | 14      | 2600      | 4500      | 21.20   | 22.30   |
|   | B50G | 48.3    | 60.3    | G          | 120x120  | 6      | 14      | 2900      | 5000      | 23.40   | 24.70   |

W1: Peso medio zincato a freddo e verniciato / Average weight cold galvanized and painted / Poids moyen galvanisé à froid et peint / Peso promedio galvanizado en frío y pintado

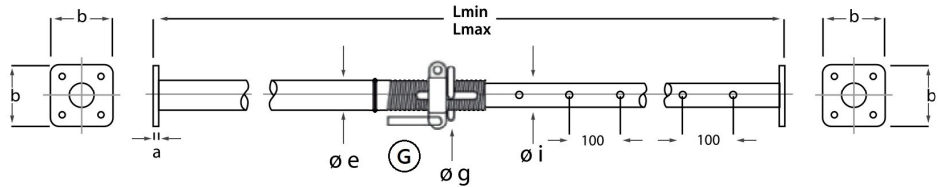
W2: Peso medio zincato a caldo / Average weight hot dip galvanized / Poids moyen galvanisé à chaud / Peso promedio galvanizado en caliente

Tolleranza del peso ±5% / Weight tolerance ±5% / Tolérance de poids ±5% / Tolerancia en peso ±5%



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Dimensioni  
Dimensions  
Dimensions  
Dimensiones

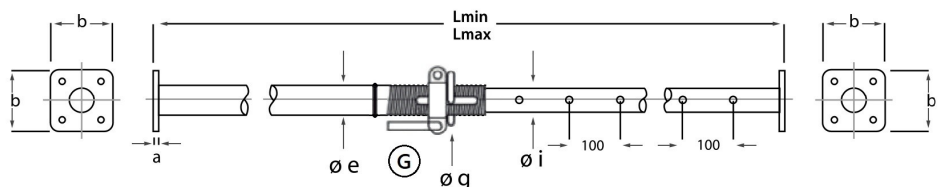


| Class / Type   | Code | Øi (mm) | Øe (mm) | Regulation | bxb (mm) | a (mm) | Øg (mm) | L <sub>min</sub> (mm) | L <sub>max</sub> (mm) | W1 (kg) | W2 (kg) |
|--|------|---------|---------|------------|----------|--------|---------|-----------------------|-----------------------|---------|---------|
| <br>Class D<br>Filetto scoperto<br>Open thread<br>Fil découvert<br>Rosca descubierta | D30  | 48.3    | 60.3    | G          | 120x120  | 8      | 16      | 1800                  | 3000                  | 16.90   | 17.80   |
|  | D35  | 48.3    | 60.3    | G          | 120x120  | 8      | 16      | 2100                  | 3500                  | 18.70   | 19.70   |
|  | D40  | 48.3    | 60.3    | G          | 120x120  | 8      | 16      | 2300                  | 4000                  | 21.00   | 22.10   |
|  | D45  | 63.5    | 76.0    | G          | 120x120  | 8      | 16      | 2600                  | 4500                  | 27.20   | 28.30   |
|  | D55  | 76.0    | 88.9    | G          | 120x120  | 8      | 16      | 2800                  | 5500                  | 33.30   | 35.00   |

W1: Peso medio zincato a freddo e verniciato / Average weight cold galvanized and painted / Poids moyen galvanisé à froid et peint / Peso promedio galvanizado en frío y pintado

W2: Peso medio zincato a caldo / Average weight hot dip galvanized / Poids moyen galvanisé à chaud / Peso promedio galvanizado en caliente

Tolleranza del peso ±5% / Weight tolerance ±5% / Tolérance de poids ±5% / Tolerancia en peso ±5%



| Class / Type   | Code | Øi (mm) | Øe (mm) | Regulation | bxb (mm) | a (mm) | Øg (mm) | L <sub>min</sub> (mm) | L <sub>max</sub> (mm) | W1 (kg) | W2 (kg) |
|--|------|---------|---------|------------|----------|--------|---------|-----------------------|-----------------------|---------|---------|
| <br>Class E<br>Filetto scoperto<br>Open thread<br>Fil découvert<br>Rosca descubierta | E30  | 63.5    | 76.0    | G          | 120x120  | 8      | 16      | 1800                  | 3000                  | 17.40   | 18.30   |
|  | E35  | 63.5    | 76.0    | G          | 120x120  | 8      | 16      | 2100                  | 3500                  | 22.60   | 23.80   |
|  | E40  | 63.5    | 76.0    | G          | 120x120  | 8      | 16      | 2300                  | 4000                  | 25.60   | 26.90   |

W1: Peso medio zincato a freddo e verniciato / Average weight cold galvanized and painted / Poids moyen galvanisé à froid et peint / Peso promedio galvanizado en frío y pintado

W2: Peso medio zincato a caldo / Average weight hot dip galvanized / Poids moyen galvanisé à chaud / Peso promedio galvanizado en caliente

Tolleranza del peso ±5% / Weight tolerance ±5% / Tolérance de poids ±5% / Tolerancia en peso ±5%



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Nicoletti International S.r.l. & Partners  
Via Monte Verlaldo 48 36073 Cornedo Vicentino (VI) IT  
[info@nicoletti-international.com](mailto:info@nicoletti-international.com) | +39 0445 192 2225

[www.nicoletti-international.com](http://www.nicoletti-international.com)



**nicoletti-castro**

Distribuidor para Latinoamérica  
Nicoletti-Castro México, S.A.  
[info@nicoletti-castro.com](mailto:info@nicoletti-castro.com)

[www.nicoletti-castro.com](http://www.nicoletti-castro.com)

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Distribuidor para Uruguay  
Nicoletti Uruguay, S.A.  
[info@nicoletti-uruguay.com](mailto:info@nicoletti-uruguay.com)

[www.nicoletti-uruguay.com](http://www.nicoletti-uruguay.com)

**italEquipos**

Distribuidor para Costa Rica  
ItalEquipos Inc, S.A.  
[info@ital-equipos.com](mailto:info@ital-equipos.com)

[www.ital-equipos.com](http://www.ital-equipos.com)