



INDUSTRY SPOTLIGHT

RAILWAY

CLAMP SRL
JUNE 2022

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ABOUT US

A 100-year history of quality. A culture of service to meet today's most demanding requirements. And a vision of the future to be ready for what's next. That's the Ideal Tridon Group.

We've built the Ideal Tridon Group whose products connect and support pipes, tubes, and hoses that convey gases, liquids, and electricity. We are the global leader in worm gear, t-bolt, band, strut, specialty clamps, hose supports, conduit, and fastening solutions, as well as fittings and couplings. At Ideal Tridon, whether it's the performance of our products or the responsiveness of our service, connections are at the heart of what we do.

To learn more about our companies, visit www.idealtridongroup.com.

IDEAL TRIDON GROUP INDUSTRIES SERVED

Agriculture	Home	Plumbing & Water Systems
Air Tools	HVAC/R	Public Works
Automotive	Hydraulic Pneumatic Hoses & Tools	Railway
Car Wash	Industrial & MRO	Refining, Petro-Chemical & Process
Carpet Cleaning	Machine Builders & Tooling	Semiconductor/Clean Room
Construction & General Contracting	Medical/Pharmaceutical	Shipbuilding
Electrical	Manhole Systems/Septic	Telecommunication
Energy/Solar/Fracking/Oil & Gas	Marine	Transportation
Farm	Mechanical	Traffic Control
Fluid Power & Handling	Metal Production & Components	Utilities
Food & Beverage	Military	
Garden	Mining	
Hardware	Municipalities	
Heavy Duty Equip/Turbo/Forced Air	Petroleum, Chemical & Bulk Transfer	
Heavy Equipment	Pipelines	

RAILWAY INDUSTRY

The railway industry uses a variety of cabling and clamping solutions essential to the sale, manufacture, and operation of railway technology. Clamp SRL provides a number of high-torque and constant tension clamps, nylon and stainless steel cabling, and corrosion-resistant stainless steel 316 clips, designed to meet the high quality standards required by the railway industry while providing exceptional customer service and field sales support.

Cabling Solutions



Clamping Solutions



Cabling Solutions

Series PK-DIN3016



Our PK clip is designed for the special requirements of electrical insulation and vibration absorption. It's zinc electro-plated for corrosion resistance. It's perfect for your light to medium use applications.

Material for Railway: W5 (also available in W1, W3, and W4 for other applications)

Sheating for Railway: Standard profile VMQ (Also available in various other materials upon request)

Other Applications: Railways, Automotive, Shipyards, Engines

UNI EN 45545-2:2020 Certified (See on page 6)

Nylon Ties



Nylon ties are available in both standard and cinturing styles.

Standard: The simplest cabling solutions, nylon ties with smooth rounded edges, head, and pawl. Designed for added strength and durability, bent tip on all Cable Ties allows easier pick-up, insertion, and pull-up.

Cinturing: Nylon ties with flat head. For applications where high resistance is required. The flat head and wide contact surface, together with external rack closing system, is indicated for hanging lines since avoids damages to isolated cables.



Material for Railway: Nylon 6.6

Other Applications: Electrical installations, Industrial cabling, Automotive cabling, Electrical panels, Special high resistance applications

Metal Ties



Ball-Lok
304 SS

316 SS on request



Tie-Lok
304 SS

316 SS on request



Multi-Lok
316 SS

Other Applications: Electrical industry, Aerospace, Shipyards, Petro-Chemical industry, Vehicle spare parts

Clamping Solutions

Worm Drive Clamps



DIN3017-1
9MM



DIN3017-1
9MM



DIN3017-1
12MM



DIN3017-1
12MM

Other Applications: Agriculture, Automotive, Shipyards, White goods, Chemical industry, Earth moving machine, Marine engines

Pow'r Gear & Flex Gear



Pow'r Gear: For High Torque applications. These hose clamps are designed for high vibration and stubborn leakage applications. Features an extra wide 5/8 band and a wide profile housing that provides maximum engagement of screw threads to band. Engineered to deliver exceptionally high rates of band tension to handle the toughest sealing jobs.

Flex Gear: For Constant Torque applications. Flex Gear clamps are designed to adjust to the hose in fluctuating temperature applications. The thermal compensation given by the Belleville spring provides a constant high-tension torque. Flex Gear clamps reduce maintenance and refill costs when compared to non-compensating clamps.

Other Applications: Charged air system - intercooler, Cooling systems, Air conducting systems, Engine exhaust system

BAND-IT® Junior



Preformed smooth internal diameter clamps are manufactured in a wide variety of sizes and materials; vibration resistant and automatically locked with one simple lever movement. Junior clamps are ideal where superior strength is required.

Material for Railway: 201 Stainless Steel

Tool: S-750 Pneumatic Tool - ideal for large volume applications

Other Applications: Agriculture machines, Sewer cleaner equipment, Welding equipment

MPC® Mounting Clamps



MPC® mounting clamps and support brackets are often used for fastening and safeguarding tanks, vessels, hydraulic accumulators, or other, more general, heavy cylindrical objects. We offer these mounting clamps with a single or double bolt, and in various materials. The rubber protection, wraparound profile absorbs vibrations and can resist temperatures up to 130 °C. Our mounting clamps are produced entirely at our own production facility in Europe.

**RAPPORTO DI PROVA / TEST REPORT
 NO. 398.1IS0040/22**

METODO DI PROVA:

Test method

UNI EN 45545-2: 2020

DENOMINAZIONE DELLA PROVA:

Description of the standard

Requisiti di comportamento al fuoco di materiali e componenti
 Requirements for fire behaviour of materials and components

RICHIEDENTE:

Sponsor

CLAMP S.r.l.

Via dell'Artigianato, 1
 20070 - CERRO AL LAMBRO (MI)

DENOMINAZIONE DEL MATERIALE:

Denomination of the material

PKFS, PKFS/20, PKOFS, PKOFS/20, PK2FS, PK2FS/20

SPESSORE E DENSITÀ DEL MATERIALE:

Thickness and density of the material

3.4 mm - VMQ: 1.24 g/cm³
 (valori nominali / nominal values)

DESCRIZIONE DEL MATERIALE:

Description of the material

Elastomero di colore nero e spessore nominale 1.2 mm posto su lamina metallica di spessore nominale 0.9 mm. L'elastomero è posto sulla lamina di metallo in modo da coprire completamente una faccia e da essere risvoltato sulla faccia opposta. La lamina metallica è forata ad entrambe le estremità, dove è presente un doppio spessore di metallo (1.8 mm di spessore nominale totale).
 Black elastomer, nominal thickness 1.2 mm, placed on a metal sheet of nominal thickness 0.9 mm. The elastomer is placed on the metal sheet in order to cover completely a side and to be flipped on the opposite side. The metal sheet has holes at both ends, where a double layer of metal is present (1.8 mm total nominal thickness).



Questo documento fa riferimento ai Rapporti di Prova no. 398.0IS0030/22, no. 398.1IS0030/22, e no. 398.1IS0050/22 emessi da questo Laboratorio. Il Laboratorio non è stato coinvolto in nessuna procedura di campionamento della produzione.
 This certificate refers to the Test Reports no. 398.0IS0030/22, no. 398.1IS0030/22 and no. 398.1IS0050/22 issued by this Laboratory.
 The Laboratory has not been involved in any procedure of sampling of the production.

Prodotto / Product	NLP (Non Listed Products)				
Requisiti / Requirements	R22 - R23				
Prove richieste / Tests required	EN ISO 4589-2	EN ISO 5659-2		EN 17084 Method 2	
Parametro / Parameter	LOI (%)	(25 kW/m ² - Flaming) D _s max		CIT _{NLP}	
Valori trovati / Values found	45.6	75		0.09	
	Per / For	Per / For		Per / For	
Limiti di accettazione Acceptance limits	R22 - R23	R22	R23	R22	R23
	HL1: ≥ 28%	HL1: ≤ 600	HL1: ---	HL1: ≤ 1.2	HL1: ---
	HL2: ≥ 28%	HL2: ≤ 300	HL2: ≤ 600	HL2: ≤ 0.9	HL2: ≤ 1.8
	HL3: ≥ 32%	HL3: ≤ 150	HL3: ≤ 300	HL3: ≤ 0.75	HL3: ≤ 1.5

Legenda ---: Nessun requisito / No requirement

VALUTAZIONE / JUDGEMENT

Sulla base dei risultati di prova sopra riportati il materiale in oggetto **È CONFORME** alle richieste di **UNI EN 45545-2:2020** per livelli di rischio **HL1 - HL2 - HL3** per set di requisiti **R22** e **R23**.

On the basis of the above results the sample in object **COMPLIES** with the requirements of **UNI EN 45545-2: 2020** for Hazard Levels **HL1 - HL2 - HL3** for requirements set **R22** and **R23**.

Prato, 14/03/2022

Il Responsabile Certificazione

The Certification Manager

David Borsini

Il Direttore del Laboratorio

The Director of the Laboratory

Luca Ermini

Valid until: 13/03/2027 (*)



Questo documento deve essere letto congiuntamente ai Rapporti di Prova sopra riportati, per la descrizione del prodotto e per ogni altra notizia di dettaglio. Questo documento non costituisce approvazione di tipo né certificazione di prodotto né tantomeno dichiarazione di conformità, che spetta esclusivamente al Produttore / Sponsor. Il riconoscimento Certifer si riferisce alle prove di EN 45545-2 riportate nella lista pubblicata.

This document has to be read in conjunction with the Test Reports listed above, for the description of the product and for every other detail. This document does not represent type approval or certification of the product neither declaration of compliance, that is exclusively under the responsibility of the Manufacturer or Sponsor. The Certifer approval refers to the tests according to EN 45545-2 reported in the published list.

(*) Validità riferita alla prescrizione di / Validity referred to the prescription of Reg. (UE) 1302/2014 (12.12.2014) 94.2.10.2.1 (3)

CONTACT US

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