



Mod. N204G2SH & N204G3SH

CABINET TROLLEYS
FOR SURGICAL TOOLS TRANSPORT



 **laundry**[®]
DIVISION

 **surgical**[®]
DIVISION

 **medical**[®]
DIVISION

 **privacy**[®]
DIVISION

 **horeca**[®]
DIVISION



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 **conf**[®]
industries

Shelfspan

making better use of space

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1 | CONF INDUSTRIES

1.1 INTRODUCTION

Since 1961 Conf Industries S.r.L follows very precise goals: first of all, our strive for the evolution and innovation of the company, as well as the research and development of production processes and the continuous improvement of our products. The aim to constantly improve our products is what makes us change constantly on the market.

There are 2 choices that allowed us to grow exponentially:

- » The production of articles made with aluminium alloy; a light and clean material, perfect on the hygienic side (especially in the industrial laundry that, with time, grew to become an important sector) and a valid alternative to plastic, and wood, in the textile industry.
- » Working on “commissioned orders”: to study and realize specific items for the real need of the customer even for smaller quantities was an important choice, in order to satisfy specific requests and to widen our range of products.

Our capacity to adapt to different requests following the evolution of the market allowed our company to become leader in handling and stocking solutions for different sectors like:

- » Textile
- » Hospital
- » Cruise ships
- » Ho.re.ca
- » Industrial and hotel laundries
- » Document destruction
- »



1.2 TECHNOLOGY

Planning and manufacturing light alloy trolleys hasn't been easy: first because aluminium is not an easy material to work with and secondly because on the market there weren't any similar items to take as an example: even harder was the organization of the production layout in order to make it easier and quicker to satisfy every specific "customized" request from our customer.



At the same time, Conf Industries srl took this challenge and turned it into the motivation to improve every day and can now count on over 120 co-workers, that operates in one 18.000 square meters production site, based in I-25039 Travagliato (BS) Italy.



We own the most recent technologies like lasers, automatic bending machines, panelling machine, welding robots with TIG or MIG procedures, anodization and electropolishing plant in order to answer to any request without the intervention of third parties.

1.3 RESEARCH AND DEVELOPMENT

The Country of Leonardo da Vinci, Galileo Galilei, Guglielmo Marconi, Alessandro Volta and Enrico Fermi can only be the best place where to grow new ideas and develop new inventions: that's why Conf Industries srl is proud to be an ITALIAN company where research, development and production are 100% made in ITALY and made in CONF INDUSTRIES.

The material we use is of high quality and the whole production cycle, which has been improved by many years of experience and has been developed entirely in the company, guarantees precision and supervision during all production phases. The aim is always the same: to get a first-class product, highly technological and with excellent quality standards.

100% MADE IN ITALY
100% MADE IN CONF INDUSTRIES



“

”

Tom Peters

1.4 OUR VALUES

Conf Industries believes in a sustainable future and in a productive system that looks toward the future: that's why most of our products is produced with materials which are 100% recyclable (aluminium and stainless steel).

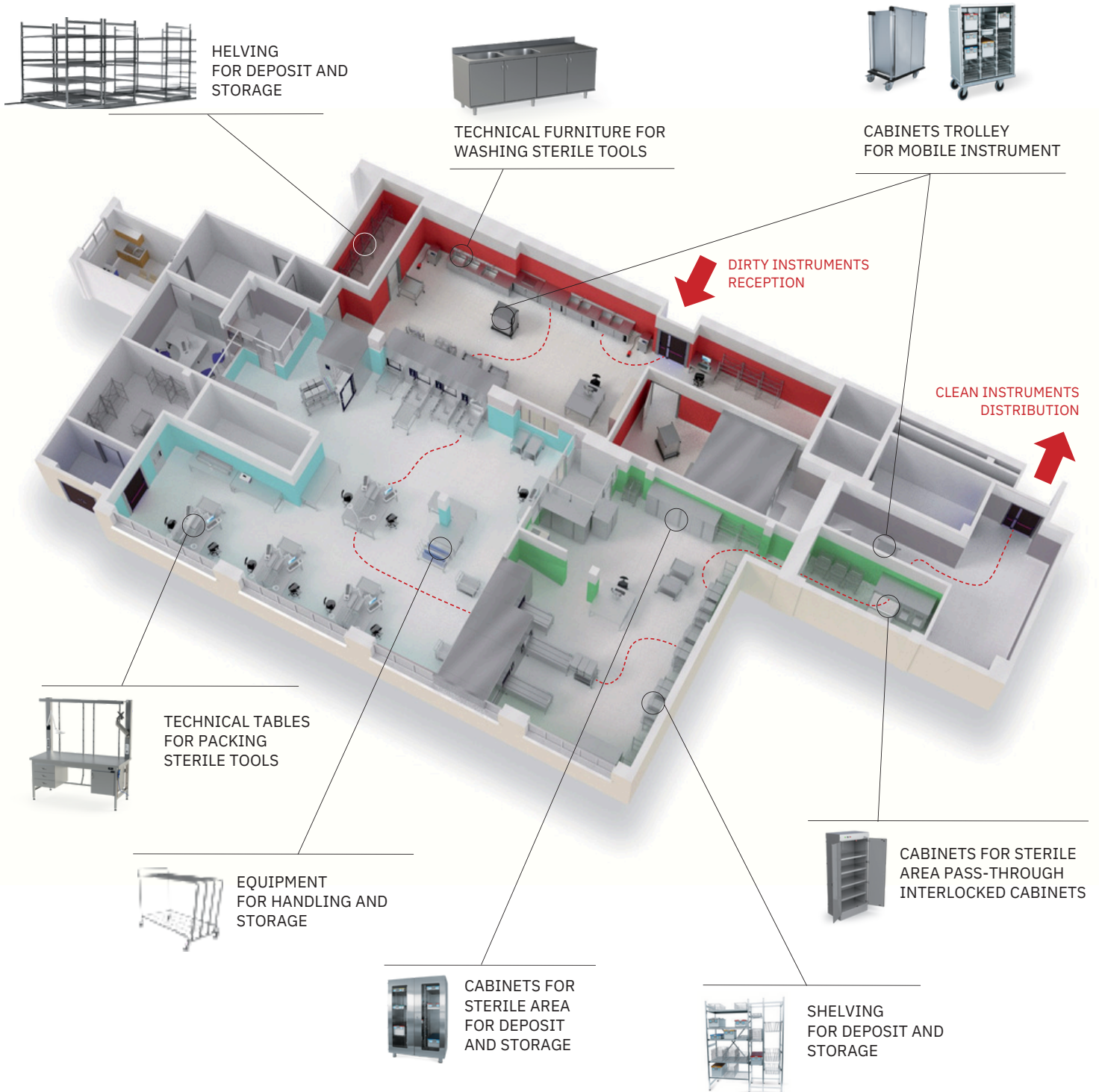
Conf Industries strongly believes in a company which is honestly, equally led, respecting the people, their dignity and their rights, and supporting the community where our co-workers live and work, in order to support the realisation of social projects.

By working with volunteers and different associations, we actively support the financing of many projects in different areas, like education, environment, art, sport and health.



2 | PRODUCT

2.1 INTENDED USE



SOILED RECEIVE & SORT
CLEAN INSPECT & PACK STERILE
STORE & DISTRIBUTE

2.2 TECHNICAL SPECIFICATIONS

Structure realised in light anodized alloy plate, supplemented with tubes and profile in light alloy.

Trolley body composed of smooth no joints plate. Patented edge pinching system for outside compartment complete with door hinges with closing system which turns on integrated gaskets. Continuous vertical hinges along the whole length of the trolley. Rugged chassy torsion stress resistant. Made of rectangular galvanised steel tubes and rigid bumpers in light alloy profile with integrated PVC.

Doors open at 270° with magnet blocking system during the open position. Doors close by means of two vertical half rods in stainless steel which block at the top and bottom.

Top quality rigid shelf system on nylon supports. Easy to extract if so desired.

Horizontal push handles fixed on both outer sides.

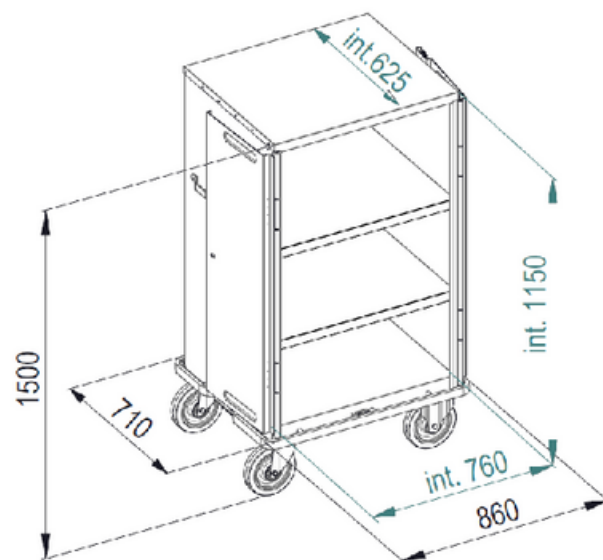
Wheels in full grey anti-mark rubber with stainless steel cage roller.



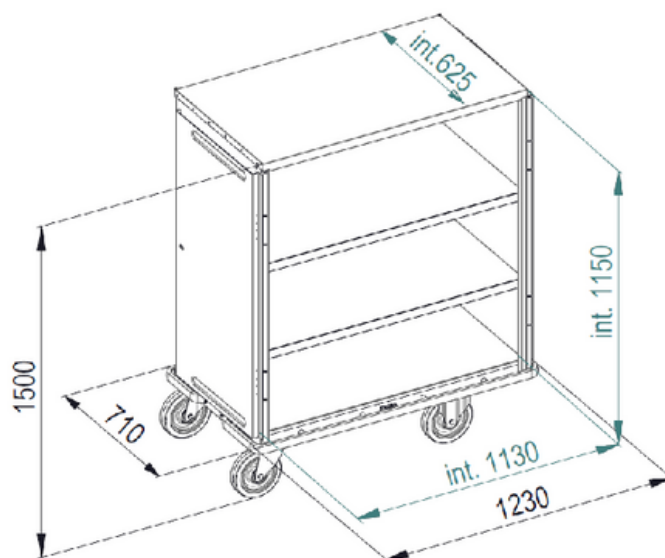
N204G2SH & N204G3SH: Equipped with two equidistant light anodized alloy interior shelves rigidly fastened on nylon supports, tippable and removable.



2.3 DIMENSIONS



(mm)	STU	Ae	Be	He	Ai	Bi	Hi	HH		
N204G2SH	6	860	710	1500	760	625	1190	356	Ø 200	Lt 545



(mm)	STU	Ae	Be	He	Ai	Bi	Hi	HH		
N204G3SH	6	1230	710	1500	1130	625	1190	356	Ø 200	Lt 880

2.4 ACCESSORIES

TSA.

CHA5.

CHA4.

CL.

TB.

RRC.

RR.

RA.

OPTIONAL

BD.	Blocco direzionale a pedale su 2 ruote. <i>Foot-operated directional block on 2 wheels.</i> <i>Fussbetaetigbare Richtungssperre auf 2 Rädern.</i> <i>Blocage directionnel à pédale sur roues.</i> <i>Pedal bloqueo direccional en 2 ruedas.</i>	TB.	Barra di traino. <i>Draw bar.</i> <i>Zugstange.</i> <i>Barre d'entraînement.</i> <i>Barra de remolque.</i>	CHA4.	Porta schede A4. <i>Card-holder clip A4.</i> <i>Kartenhalter A4.</i> <i>Porte-fiche A4.</i> <i>Portagráficas DIN A4.</i>
RPSUP.	Ripiani supplementari. <i>Additional shelf.</i> <i>Zusätzlicher Zwischenboden.</i> <i>Étagère supplémentaire.</i> <i>Estante suplementario.</i>	RRC.	Freno centralizzato su 2 ruote. <i>Central brake on 2 wheels.</i> <i>Zentralbremse auf 2 Rädern.</i> <i>Frein centralisé sur 2 roues.</i> <i>Freno centralizado en 2 ruedas.</i>	CHA5	Porta schede A5. <i>Card-holder A5.</i> <i>Kartenhalter A5.</i> <i>Porte-fiche A5.</i> <i>Portagráficas DIN A5.</i>
SIG/N204.	Dispositivo per l'applicazione del sigillo di sicurezza. <i>Safety device for seal system.</i> <i>Vorrichtung zur Anbringung Sicherheitssiegels.</i> <i>Siège pour scellé.</i> <i>Dispositivo para la aplicación de un sello de seguridad.</i>	TSA.	Paraurti superiore. <i>Bumper at the top.</i> <i>Obere Stossleiste.</i> <i>Pare-chocs supérieur.</i> <i>Parachoques superior.</i>	CHA7.	Porta schede A7. <i>Card-holder A7.</i> <i>Kartenhalter A7.</i> <i>Porte-fiche A7.</i> <i>Portagráficas DIN A7.</i>
		AGP.	Angolare rinforzo in acciaio inox. <i>Strengthening corner in stainless steel.</i> <i>Verstärkungswinkel aus Edelstahl.</i> <i>Angulaire de renfort en acier inoxydable.</i> <i>Angular de refuerzo en acero inoxidable</i>	RA.	Ruote antistatiche. <i>Antistatic wheels.</i> <i>Leitführende Rollen.</i> <i>Roues antistatiques.</i> <i>Ruedas antiestáticas.</i>



SLCO2.



WECO.



WECO2.



WECO3.



WECO5.

OPTIONAL

CL-D.	Serratura a 2 chiavi a cifratura diversa. Lock with 2 keys with different encryption. Zylinder schloss mit 2 verschiedenschliessenden Schlüsseln. Serrure à 2 clefs avec different code. Cerradura con 2 llaves diferentes.	RAX.	Ruote con supporto in acciaio inox AISI 304. Wheels with inox AISI 304 support. Rollen mit Inox AISI 304 Unterstützung. Roues avec Inox AISI 304 support. Ruedas con Inox AISI 304 soporte.	SLCO2.	Indicatore materiale sterile/ processato e infetto/da processare (rosso-verde). Visual indicator for sterile/ processed and contaminated/ not processed material (red-green). Anzeiger für steriles/ verarbeitet oder infiziertes/nicht verarbeitetes Material (rot-grün). Indicateur matériel stérile/ procédé et infect/ il faut procéder (rouge et vert). Indicador de material estéril / procesado e infectado / a procesar (rojo et verde).
CL-U.	Serratura a 2 chiavi a cifratura unica. Lock with 2 keys with unique encryption. Zylinder schloss mit 2 gleichschliessenden Schlüsseln. Serrure à 2 clefs avec un code. Cerradura con 2 mismas llaves.	WECO 2/3/5.	Indicatore rotante a 2/3/5 colori identificazione sterilità/reparto. Round indicator with 2/3/5 colors identification of sterility/ department. Runder Anzeiger mit 2/3/5 Farben für die Sterilitäts-/ Abteilungsanerkennung. Indicateur rotatif à 2/3/5 couleurs identification stérilité/ département. Indicador rotante con 2/3/5 colores identificación de esterilidad/departamento.	BS.	Asta di fermo ripiano inclinato. Backstop rod for breaking. Haltestäbchen für Zwischenbodenneigung. Système de blocage d'étagère en position relevée. Soporte para estante inclinado.
RR.	Freno a pedale singolo. Single foot brake. Einzelne Pedalbremse. Frein sur roue pivotante. Freno a pedal sencillo.				



2.5 TESTING RESULTS

CRASH TEST-DROP TEST

The N204G-UN 3291 Trolley has undergone rigorous mechanical impact testing to ensure structural integrity, operational safety, and compliance with UN 3291 handling standards for clinical waste transport. These tests verify that the trolley can withstand typical handling stresses, accidental impacts, and drops without compromising containment, stability, or performance.

1. Drop Test Protocol

- Objective: Verify trolley structural integrity and lid retention under accidental drop scenarios.
- Method:
 1. The trolley is fully loaded to its maximum recommended working capacity.
 2. Dropped from a height of 1.2 meters (3.94 ft) onto a flat, hard surface in multiple orientations:
 - Vertical (bottom first)
 - Lid/front impact
 - Side impact
 3. Repeat cycle 3 times for orientation to simulate repeated handling and accidental impacts.
- Evaluation Criteria:
 0. No detachment of critical components (lid, handles, wheels)
 1. No spillage of internal contents
 2. No permanent deformation affecting usability
 3. Retention of wheel alignment and mobility

2. Crash/Impact Test Protocol

- Objective: Assess trolley resistance to lateral impact and tipping forces during transport.
- Method:
 1. Loaded trolley subjected to lateral impact using standardized crash testing rig.
 2. Applied forces simulate collisions with walls, carts, or other equipment in typical facility environments.
 3. Stability and containment evaluated during and after impact.
- Evaluation Criteria:
 0. No tipping or loss of containment
 1. Anodized aluminum frame maintains structural rigidity
 2. Hinges, lids, and caster assemblies remain functional
 3. Overall trolley continues to meet UN 3291 transport requirements

3. Test Results Summary

Test Type	Conditions	Results
Drop Test	1.2 m height, multiple orientations	Passed-no leakage or damage
Crash/Impact	Lateral force simulation (UN 3291 standard)	Passed-trolley remained upright and functional
Component Integrity	Full load, repeated cycles	Passed-lid, handles, casters intact

- The trolley successfully retained structural integrity in all test scenarios
- No deformation or functional failure observed that could compromise safety or clinical waste containment.

4. Conclusion

The N204G-UN 3291 Trolley has been certified for safe handling, transport, and accidental impact according to UN 3291 guidelines. Its anodized aluminum construction, reinforced frame, and secure lid design ensure:

- Resistance to drops up to 1.2 m and lateral collisions
- Maintenance of internal containment under mechanical stress
- Longevity and durability under routine clinical handling conditions

This testing guarantees that the trolley meets both safety and regulatory requirements for clinical waste transport.



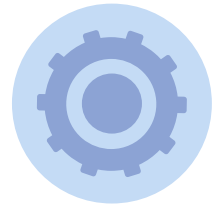
3.1 WORKING TEMPERATURE



Although no specific tests have been carried out given the intended use of the product, it's recommended to use in places with temperatures not lower than + 5 ° C, not higher than + 40 ° C and with a humidity level that does not exceed 80%.

3.2 HYGIENIC ASPECTS IN THE PRODUCT DESIGN

In the design of its products, Conf Industries has given great importance to the choice of the materials used and to the way of combining them in order to make them hygienic and safe.



USE OF APPROPRIATE MATERIALS

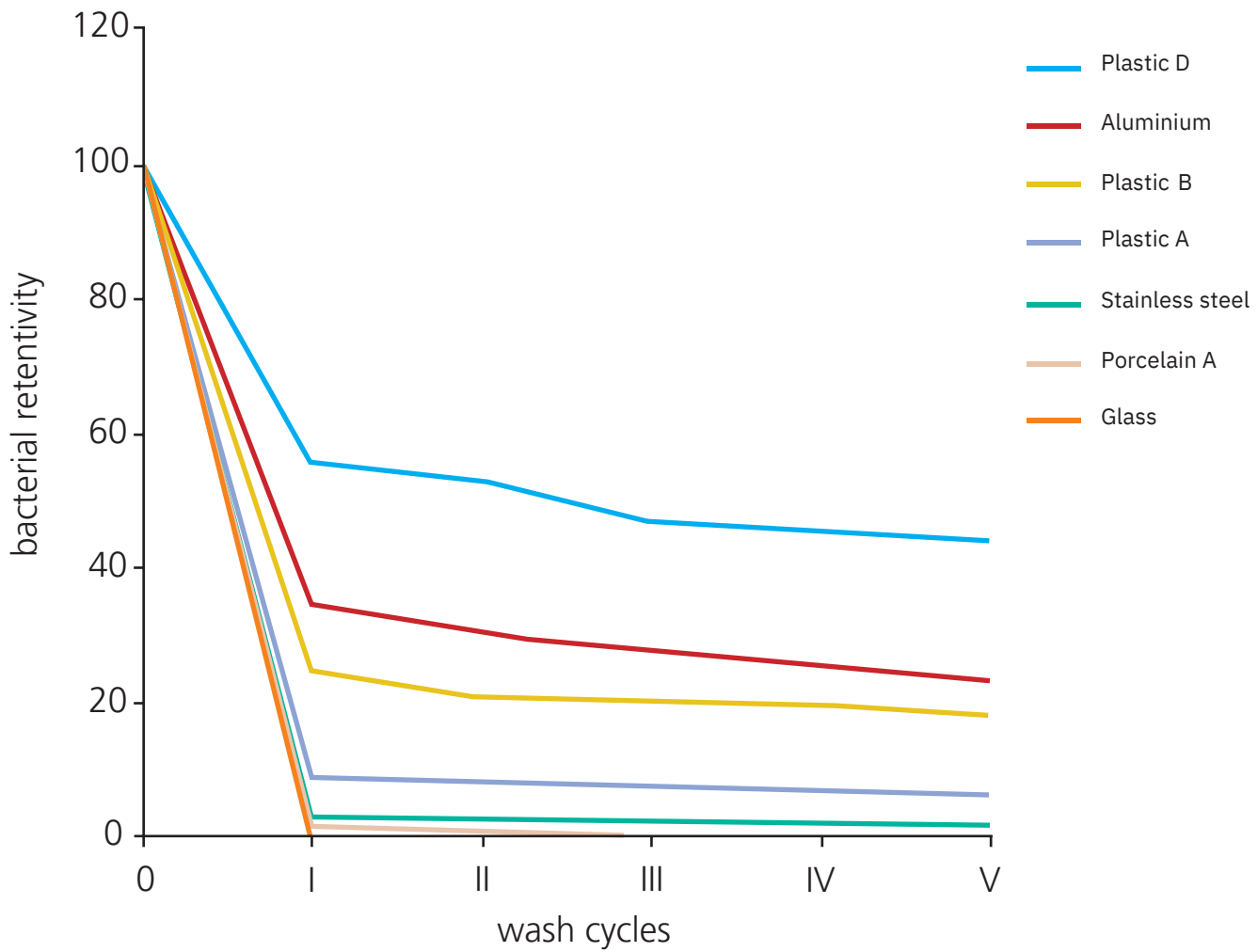
The hygiene of a material can be defined by the following parameters:

- » Absence of any protective coating that can form discontinuity on the surface when chipped or worn out.
- » Corrosion resistance meaning the way the material acts towards any substance it comes in contact with.
- » Surface compactness free of porosity: a hygienic surface must not absorb particles of any substances.
- » High bacterial removal during cleaning cycles: this characteristic must be guaranteed in case of bacterial contamination.
- » Low bacterial contamination even after several cleaning cycles; it must remain unchanged if possible
- »

PRANNING

Another often wrongly underestimated aspect is the correct design of the articles aimed at minimizing adhesion or accumulation of impurities, often containing a high bacterial load, paying attention to:

- » The most appropriate technological cycle taking full advantage of the workability characteristics of the numerous types of steel available
- » Couplings between different materials: they must be designed so as not to compromise, if there is a risk of galvanic corrosion, the less noble element: therefore, using appropriate insulation or avoiding these types of combinations.
- » Drawing the details: it must always be done in order to avoid the formation of fissures, interstices, stagnations or any obstacles to the normal flow of the liquids during the washing process.



Different studies show that stainless steel is the material that mostly reflects the above-mentioned features and this is the reason why it's the most used material for the realisation of products for the medical field.

3.3 COMPLIANCE WITH TECHNICAL STANDARDS AND DIRECTIVES

Conf Industries is certified according to the UNI EN ISO 9001 Company Quality System and responds to Legislative Decree 81/08 on the protection of health and safety in the workplace.



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3.4 ENVIRONMENTAL IMPACT

Conf Industries manufactures and markets aluminium products for the handling and storage of material for laundries and hospitals, making careful use of raw materials and minimizing waste.

We choose responsibly the suppliers and the origin of the materials, investing where possible in renewable energy, recycling and limiting our environmental impact.

Specifically, we work in an increasingly respectful way for people and the environment.

Most of our production is based on aluminium, a resistant, easily workable and adaptable, recyclable material.

In this regard, our company engages daily in the reuse and recycling of the material and packaging material. For this reason Conf Industries declares to be employed in the environmental sustainability, in the conscious use of raw materials, in research and in increasing recycling in the production process, in compliance with technical specifications.



4.1 INTRODUCTION

The chapter dedicated to use and maintenance accompanies the equipment from the manufacturing stage until it is taken out of service.

For this reason, it is considered an integral part of the trolleys. Consulting this chapter is mandatory before performing ANY OPERATION involving the carts, including movement and transport.

This chapter is an essential component of the equipment and must always be easily accessible to the personnel responsible for installation and maintenance. Installers and technicians are required to be thoroughly familiar with the information contained herein.

The descriptions and images included in this publication are for guidance only.

While preserving the fundamental characteristics of the equipment described, CONF Industries reserves the right to modify components, details, and accessories whenever deemed necessary to improve performance or due to production or commercial needs, at any time and without any obligation to promptly update this documentation.

WARNING

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Do not alter the original configuration of the equipment for any reason whatsoever.

Upon receiving the equipment make sure that: the supply corresponds to the order specifications.

In case of non-compliance please inform CONF Industries immediately.

Also make sure the equipment has not been damaged during transport.

Centro di Assistenza / Customer Care Technical Service



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www.confindustries.it

4.2 CLEANING & SANITIZATION SPECIFICATION

The N204G-UN 3291 Trolley is built from anodized aluminum alloy, providing enhanced corrosion resistance, improved chemical durability, and a harder, non-porous surface ideal for clinical waste environments. The anodized finish increases longevity and maintains hygiene performance when exposed to routine disinfectants and cleaning cycles.

1. General Cleaning Requirements

- Clean only in designated decontamination or sanitation areas.
- Wear PPE required for UN 3291 clinical waste handling (gloves, gown, mask, eye protection)
- Remove all bags, internal bins, and detachable components before cleaning.
- Do not use abrasive pads, steel wool, or aggressive scouring agents - these can damage or dull the anodized layer.

2. Compatible Cleaning Agents (Anodized Aluminum Safe)

Approved Detergents

- Neutral pH detergents (pH 6-8) for standard cleaning
- Mild alkaline detergents (pH ≤ 11) for heavier soil loads.
- Enzymatic cleaners for organic residues

Approved Disinfectants

The anodized coating provides superior chemical tolerance, allowing use of:

- Quaternary ammonium compounds (QACs)
- Sodium hypochlorite (bleach)
 - Routine disinfection: 0.1% (1,000 ppm)
 - High-risk decontamination: Up to 0.5% (5,000 ppm)
- Hydrogen peroxide (1-3%) or accelerated hydrogen peroxide (AHP)
- 70% isopropyl or ethyl alcohol
- Chlorine dioxide-based disinfectants
- Phenolic disinfectants (use with ventilation)

Agents to Avoid (Protect Anodized Layer)

Despite the coating's durability, the following degrade surface integrity:

- Strong acids (pH < 4)
- Highly alkaline degreasers (pH > 12)
- Solvent cleaners (acetone, MEK, lacquer thinner)
- Abrasive powders or pads
- Iodine-based disinfectants (may cause discoloration)

3. Temperature Parameters (Anodized Aluminum Rated)

Manual Cleaning

- Recommended water temperature: 20-60°C (68-140°F)
- Maximum short exposure: 70°C (158°F)

Automated Washer/Disinfector

- Wash cycles: 50-70°C (122-158°F)
- Max final rinse: 80°C (176°F)
- Avoid continuous high-temperature cycles that may affect seals and non-metal components

Thermal Disinfection

- Compatible with short cycles up to 90°C (194°F) for 5-10 minutes
- *Not intended for full autoclave sterilization unless optional components permit it.*

4. Standard Cleaning Procedure

Step 1 - Pre-Rinse

- Empty trolley and rinse surfaces with warm water to remove loose debris

Step 2 - Detergent Wash

- Apply neutral or enzymatic detergent
- Clean using soft cloths or non-abrasive brushes
- Rinse thoroughly

Step 3 - Disinfection

- Apply approved disinfectant to all internal and external surfaces
- Maintain manufacturer-required contact time (1-10 minutes)
- Treat high-touch points (handles, lid, hinges, caster housings) thoroughly

Step 4 - Drying

- Air dry or wipe with lint-free cloths
- Ensure caster housing, hinges, and frame junctions are fully dry to protect mechanical components

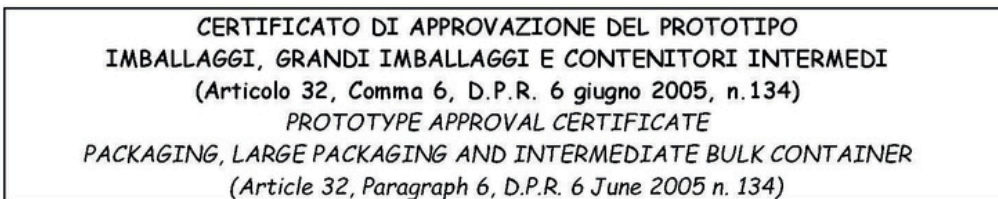
5. Maintenance Notes

- Inspect anodized surfaces regularly for wear, discoloration, or chemical buildup
- Check hinges, seals, and casters for wear or cleaning-related stress
- Lubricate moving joints with non-reactive, medical-grade lubricant if required
- Verify no chemical residue is present before returning the trolley to active service

4.3 TROLLEY CERTIFICATION



Autorizzato dal Ministero delle Infrastrutture e dei trasporti - Comando generale del Corpo delle capitanerie di porto
Issued on behalf of Italian Authority: Ministry of Infrastructure and Transport - Coast Guard Headquarters



N. 176725

Richiedente
Applicant

Ragione sociale:
Company name:
Sede Legale:
Legal Address:
Sede di produzione:
Production Address:

CONF INDUSTRIES S.r.l.
Via Casaglia, 44/A -
25039 TRAVAGLIATO (BS) - Italia
Via Casaglia, 44/A -
25039 TRAVAGLIATO (BS) - Italia

Approvazione rilasciata sulle base delle seguenti normative:
Approval issued in compliance with the following regulations:

Codice IMDG 42-24 e D.P.R. 6 giugno 2005, n. 134
IMDG Code 42-24 e D.P.R. 6 giugno 2005, n. 134

Descrizione prototipo
Prototype description

Codice prototipo:
Prototype code:
Identificazione del prototipo:
Prototype identification:
Descrizione prototipo:
Prototype description:
Tipo di costruzione:
Type of manufacturing:
Tipo di materiale:
Type of material:
Caratteristiche materiale:
Material properties:
Spessore:
Thickness:
Chiusure:
Closures:
Capacità:
Capacity:
Tara:
Tare weight:
Tara comprensiva di accessori:
Tare weight including accessories:
Dimensioni esterne:
External dimensions:
Sistemi di presa/movimentazione:
Gripping/Handling devices:
Dispositivi particolari:
Special devices:

50B
N204625H
Grande imballaggio in alluminio
Aluminium large packaging
Telaio tubolare con lamiera piegata
Tubular frame with folded metal sheet
Alluminio
Aluminium
Corpo 1,2 mm, fondo 1,2 mm, coperchio 1,2 mm
Body 1,2 mm, end 1,2 mm, head 1,2 mm
Ante con serratura a doppio perno
Doors with double pin lock
100 kg
40 kg
50 kg
860 x 710 x h. 1500 mm
2 maniglie sui lati corti e 4 ruote
2 handles on short side and 4 wheels
N.A.

Pagina 1 di 2

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Dassi Carlo 19/11/2025



N. 176725

Materie trasportabili:
Transportable goods:

Stato fisico: Solidi
Physical state: Solids
Granulometria: N.A.
Particle size: N.A.
Densità (kg/l): N.A.
Density (kg/l): N.A.
Tensione di vapore a 50 °C (kPa): N.A.
Vapour pressure at 50 °C (kPa): N.A.
Gruppo di imballaggio: II, III
Packing group: II, III
Massa lorda massima (kg): 100 kg
Maximum gross mass (kg): 100 kg

Marcatore/Marcatura Primaria
Marking/Primary marking

50B/Y/mese+anno fabbricazione (manufacturing month+year) 0/100
I/CSI176725CIND02

Marcatore aggiuntivo
Additional marking

Non applicabile
Not applicable

L'apposizione della marcatura attesta la rispondenza al prototipo
The marking indicates the correspondence to the prototype

Prove eseguite
Performed tests

Le prove secondo quanto riportato nel Rapporto di Prova CSI SpA
n. 0104\ME\CMP\25 (Rev. 0) emesso in data 11/11/2025
soddisfano le prescrizioni contenute nelle normative di riferimento sopra richiamata
The tests, according to the test Report CSI SpA
n. 0104\ME\CMP\25 (Rev. 0) issued on 11/11/2025
satisfy the requirements of the above mentioned regulations

Prove di compatibilità
Chemical compatibility tests

Non applicabile
Not applicable

Rilasciato a Bollate (MI) il: 19/11/2025
Issued at Bollate (MI) on:
Data scadenza: 18/11/2030
Expiry date:

Il Responsabile/Authorized Person
Carlo Dassi



CSI S.p.A.
Viale Lombardia, 20/B
20021 BOLLATE (MI)