

Third edition - 2022

STAINLESS STEELS IN URBAN FURNITURE



Introduction

Sustainability is a key issue for urban planners. New building developments must meet advanced standards set by local and central governments which are designed to ensure that materials are capable of being re-cycled without damaging the environment and without the need for potentially harmful landfill sites.

Among the more sustainable materials that can be used is stainless steel. This material is durable, aesthetically pleasing, safe, hygienic, and its high strength to weight ratio means that thinner gauges may be specified without sacrificing strength. Stainless steels are the ideal solution in a wide range of urban applications, including the Architecture,

Building and Construction (ABC) sector of the market as well as sculptures and other forms of urban art and street furniture. The low maintenance requirements of this material and its extended life make it an attractive option for urban authorities which require cost-effective long-term solutions. worldstainless believes that stainless steels are an attractive and sustainable solution for urban furniture. This brochure is an exhibition of contemporary ideas from around the world, with descriptions of each example and details of locations and material suppliers. Additional information is available on request (contact Jo at claes@worldstainless.org). For easy reference, the examples have been divided into easy-to-follow sections.

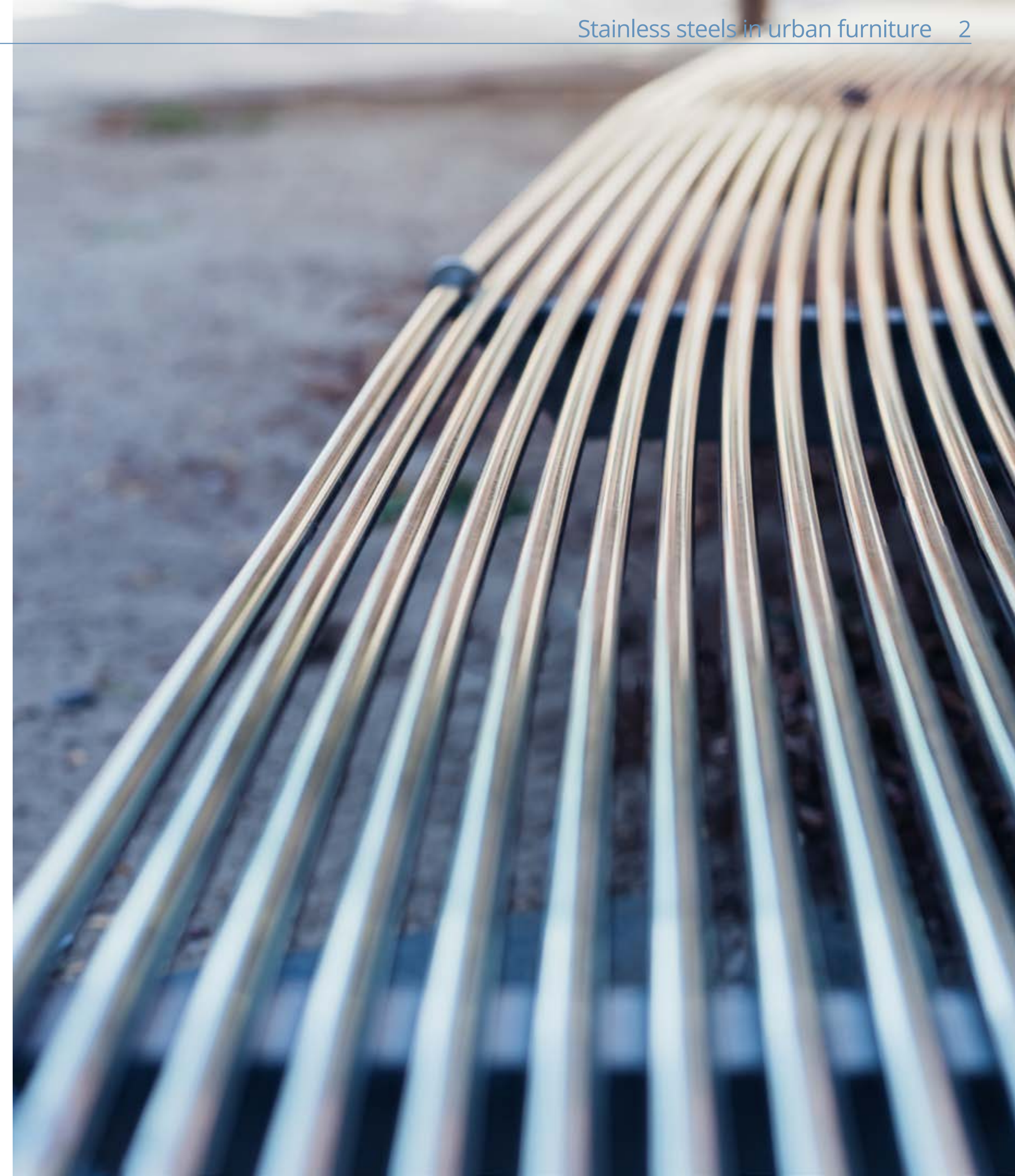


Table of contents

Introduction

Benches

A Bench in the Merano Botanical
Gardens

Wind Shelter

Butterfly Bench

Wave Bench

Bench

UFO Bench

MRT station's priority seats

Fences

Handrailings in Gijon

Environmentally-Friendly Installation

Stainless Steel Fence for Merano

Botanical Gardens

Hand Rails in Airport Terminal

Spiral Staircase

Street Lights

Let's Light Up Environmental Design

Street Lighting in Leuven

Street Lighting in Madrid

Streetlights in Seoul

Plaza del Torico

Shelters

Bus Shelter in Paulinia

Bus Shelters

Passenger Shelters for Rapid Transit
Network

Metro Station Canopies

Entrance to the Metro

Moving walkways

Bicycle Stands

Bicycle Stands

Biciparking

Bicycle Parking

Bins

Stainless Steel Underground Waste
Disposal

Waste Disposal Bins for Merano
Botanical Garden

Stretched Stainless Steel Waste Bins

Waste Disposal Bin for a Condominium

Waste Disposal Bin - LitterShark
Protectus

Garbage and Recycling Bins

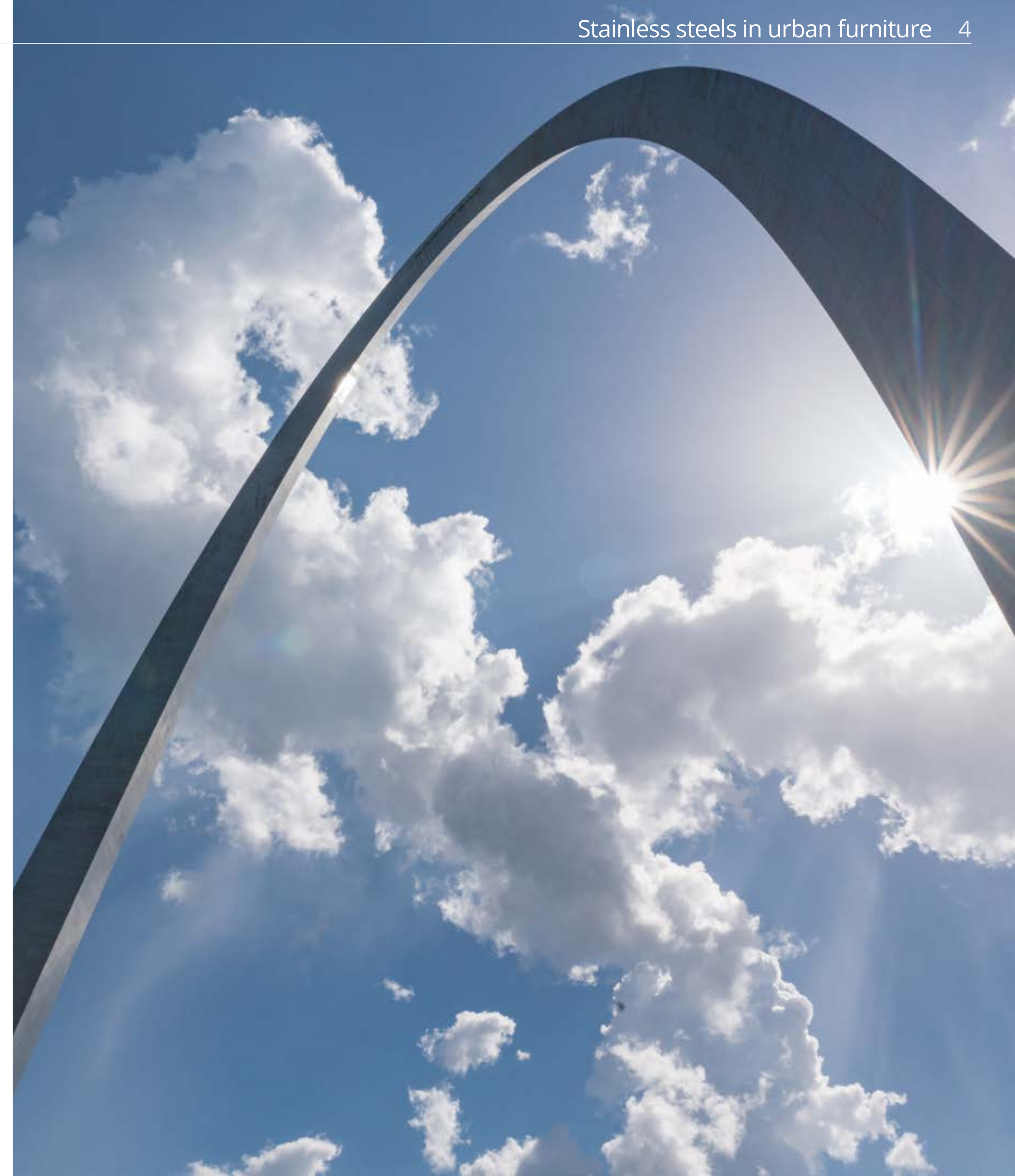
Other Street Furniture

Stainless Steel Vehicle Defence Barriers
 Traffic Bollards
 Panoramic Lift
 Stainless Steel Sign Posts
 Parking for Shopping Carts
 Stainless Steel in the Playground
 Kiosk m.poli
 Urban Toilet
 Training Equipment
 Bottle refill station
 Chinese lanterns

Art

Stainless Steel Christmas Tree
 Stainless Steel Circular Garden Beds
 Lotus Stainless Steel Flower Pots
 Haceros Inolvidables (“make you
 unforgettable”)
 Dimensión V
 Splash

Provocation
 Torbellino
 Sports Stadium Sculpture
 Art in Shanghai Infinite Plaza
 Art in the Pudong Municipal Public
 Swimming Pool
 Tree Sculpture
 Barramundi Sculpture
 The Infinite Bond
 The Giant Fish Sculpture
 Memorial Symbol for 2007 Shanghai
 Special Olympic Games
 Sun Dial Sculpture
 St. Joseph Sculpture
 Stainless Steel Athletes Sculpture
 The Fountain of Hope
 Gouvernementsplein
 A8ernA
 L’anima della Città
 Art at the Helenvale Resource Centre
 Stainless Steel Igloo
 Water drops



Benches



A Bench in the Merano Botanical Gardens

In this beautiful setting, nature is naturally the star of the show and this bench was designed to provide safe, easy to clean and comfortable seating for visitors, without detracting from the limelight of the gardens. Stainless steel is ideal for seating arrangements such as this because it offers a longer useful life than other materials and is very easy to keep clean and requires practically no maintenance.

Details

Location:	Merano (Bolzano), Italy
Grades:	EN 1.4301 (AISI 304), EN 1.4401 (AISI 316)
Manufacturer:	fischnaller.info
More information:	centroinox.it



Wind Shelter

This magnificent sculpture was created using duplex stainless steel and can be found on the South Shore Promenade in Blackpool, England. The sculpture is based on a turntable and revolves with the wind to provide constant protection against the elements. The artist imagined the interaction of a weather-vane, which turns the structure, and a baffle that provides shelter from the wind. The sculpture is eight metres tall and is based on a turntable with a four metre diameter, incorporating dampers to control the speed of rotation. The striking design mirrors a whale's tail, and it's appropriate sitting next to the sea required very particular attention to the specification of the stainless steel to give it a robust resistance to corrosion in an aggressive sea-side environment.

Details

Location:	Blackpool, England
Grade:	EN 1.4462
Architect:	Ian McChesney
Photographer:	Peter Cook
More information:	mcchesney.co.uk





Butterfly Bench

This bench was designed by Mr. Enrique Espinosa Fernandez and manufactured from grade 304 stainless steel, with the butterfly features cut out using water jet technology followed by a bright polish. The bench is supported by 304 stainless bent bar legs. This type of design is suitable for public parks and gardens, domestic gardens or terraces, shopping centres or the entrance to public and commercial buildings. The bench illustrated is located at the entrance to the offices of the Mexican Institute for Stainless Steel in San Luis Potosí, Mexico.

Details

Location:	San Luis Potosí, Mexico
Grade:	304
Designer:	Enrique Espinosa Fernandez
Manufacturer:	Obras de Arte, Inventos Sueños
Supplier:	outokumpu.com
More information:	iminox.org.mx



Wave Bench

In the current worldwide trend towards making eco friendly choices, stainless steel is appreciated for its excellent environmental properties and is fast becoming the material of choice for domestic and industrial use.

The wave bench by Obbligato is therefore made from stainless steel.

Details

Location: South Africa
Photographer: obbligato.co.za
More information: obbligato.co.za





Details

Location: Eastland Shopping Center, Ringwood, Australia

Grade: 316

Designer: Andrew Gibbs

Manufacturers: dalsteel.com.au, draffin.com.au, mme.com.au

Producer: outokumpu.com

More information: assda.asn.au

Bench

Working in collaboration with a team of urban architects and designers, Draffin Street Furniture crafted a suite of custom made urban street furniture for the Eastland Shopping Centre. This Shopping Centre is located within a major transport network and services a large area of Melbourne's eastern growth corridor. The integration of sustainable development within Ringwood is creating a sought after urban destination with a contemporary lifestyle. Its development is geared to meet the specific needs of its growing population.

Draffin Street Furniture worked with the designer Andrew Gibbs to develop these unique furniture designs. Draffin achieved this amazing result within a difficult timeframe, constructing the innovative street furniture from Andrew Gibbs' very complex and technical designs. The set

features a series of seat benches, both backed and backless, bicycle racks, tree surrounds and waste receptacle surrounds and is constructed primarily from grade 316 stainless steel.

With support from ASSDA sponsors, Dalsteel Metals and Outokumpu, Draffin Street Furniture manufactured the custom-made furniture with mechanical polishing to Ra<0.5. Pickling passivating and electropolishing services were provided by another ASSDA member, MME Surface Finishing.

With sleek, modern aesthetics, as well as corrosion resistance and durability, the choice of stainless steel ensures innovative urban infrastructure will remain functional and attractive for years to come.

This is an abridged version of a story that first appeared in Outdoor Design Source.



UFO Bench

The UFO bench has a design focused on sustainability, with the objective of generating greater contact between people and nature. The futuristic concept fits easily into the garden environment of the city. The UFO bench can be placed around trees in gardens and parks and along sidewalks. Visitors can sit in the shade and tranquillity that a tree provides, but the bench also provides a barrier which protects the tree against damage. The UFO bench is made up of three pieces that are assembled on site, using only stainless steel nuts and bolts.

The UFO project won third place in the General Public Category of the National Award of Stainless Steel IMINOX-UNAM 2015.

Details

Location:	Mexico
Grade:	430
Surface finish:	10 gauge 2B
Dimension:	150 cm diameter and 48 cm high
Designer:	Jorge Joel Llanas Salazar
More information:	iminox.org.mx



MRT station's priority seats

A meaningful reflection of the fundamental role of citizens in caring and sharing.

Thirty-eight stainless steel priority seats have been installed at 16 stations along the Chalong Ratchadham MRT line, which is operated by the Mass Rapid Transit Authority of Thailand, as part of the Corporate Citizenship Project in 2021. The benches were created using the award-winning "POSCO-Thainox Design Award 2020" category of "Priority Seat" for the elderly, disabled, children, and others. Grade 441 ferritic steel is used to make the stainless-steel benches. This grade offers longevity, cleanability, and environmental friendliness while maintaining low and stable costs. These advantages could lead to greater adoption of the ferritic material across several industries.



Details

Location	MRT Stations Nonthaburi, Thailand
Grade/surface:	EN 1.4509 (441) 2B finish
Manufacturer:	POSCO-Thainox
Designer:	Mr. Yanothai Treeratchotikul
More information:	tssda.or.th



Fences





Handrailings in Gijon

The humid environment of coastal environments is particularly demanding on metals. Careful attention should be applied to material selection in order to ensure an extended useful life and also to maintain an aesthetically pleasing appearance throughout its useful life. This requirement extends also to the materials specified for joints, hinges, fastening and fittings. This means that handrails and their fixtures, fastenings and fittings should be specified from the same grade of corrosion resistant stainless steel. This example shows the handrail system which has been installed in the Port of Candás, on the Asturian central coast. Its maritime charm, together with the richness of its rural landscapes, make this one of the main tourist spots in Asturias. The material selected was chosen because of its superior resistance to corrosion in a marine environments.

Details

Location:	Gijón, Spain
Grade:	AISI 316L
Surface finish:	Polished
Manufacturer:	Talleres José Manuel Villa, S.L.
Supplier:	Inoxcenter S.A.
More information:	cedinox.es



Environmentally-Friendly Installation

220 metres of grade 316 stainless steel handrails and balustrading were installed in the Buchan Caves to provide strong and durable protective barriers. The bolt-on, weld-free, design provided easy installation and avoided damage to the Buchan Caves' delicate environment. Stainless steel was chosen because it is particularly durable and resistant to corrosion, which made it an ideal material for the humid interior of the Caves.

(Contribution from Australian Stainless Magazine)

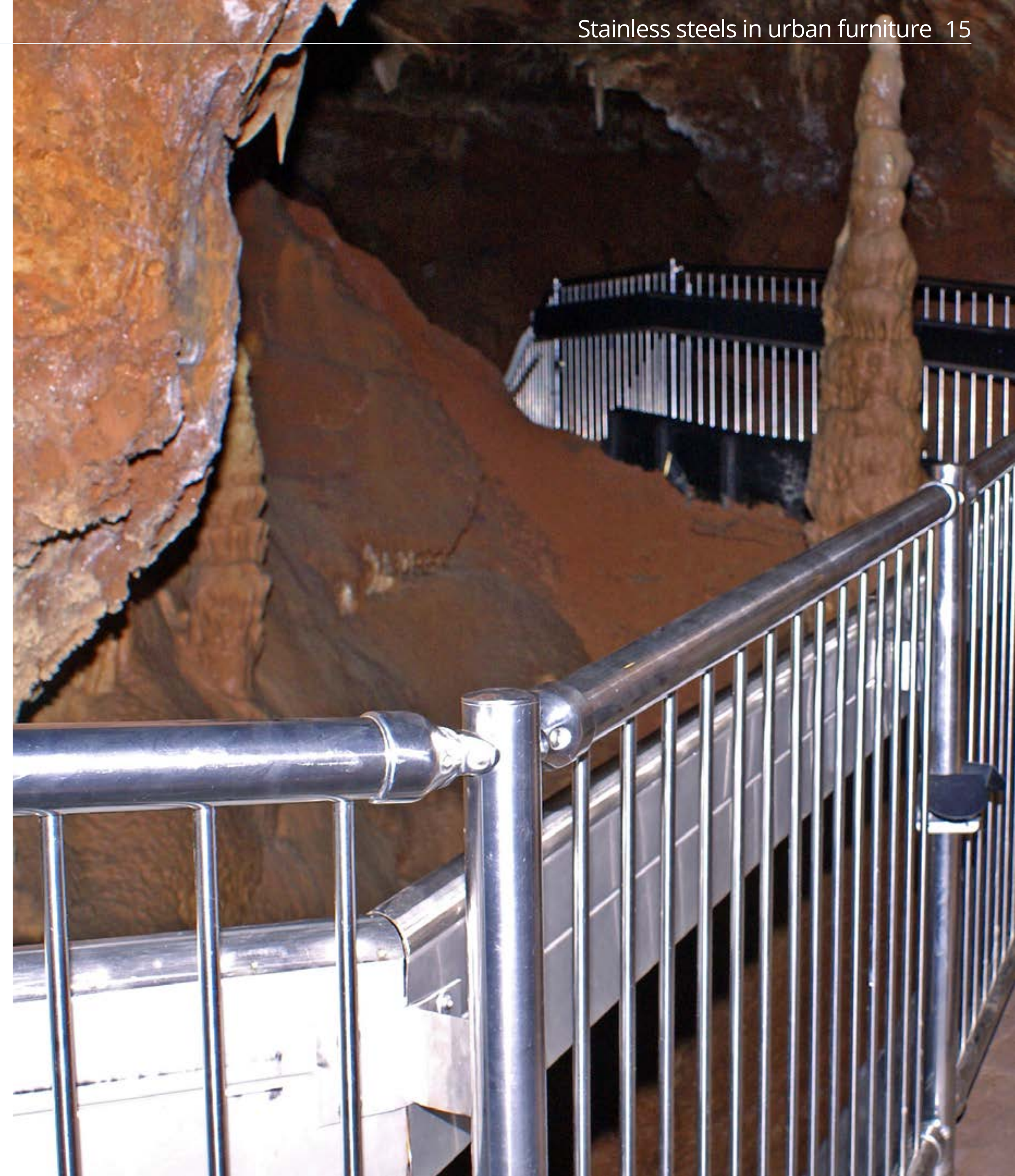
Details

Location: Buchan Caves (Victoria), Australia

Grade: AISI 316

Surface finish: Fine bright finish. Pickled and passivated.

More information: assda.asn.au



Stainless Steel Fence for Merano Botanical Gardens

In such an attractive setting, the beauty of the natural surroundings provide the centre-piece and furnishings provide comfort, without stealing the limelight. Stainless steel is ideal; for constructing less invasive structures, offering the same performance as other materials, but requiring less maintenance and a superior useful life. In this setting, with the floral foreground against a waterfall background, the perfectly shining stainless steel fencing does not at all detract from the natural beauty which it protects.

Details

Location:	Merano (Bolzano), Italy
Grades:	EN 1.4301 (AISI 304), EN 1.4401 (AISI 316)
Design:	Ing. M. Ebner, IME
Commissioned by:	Provincia Autonoma di Bolzano
Manufacturer:	Fischnaller Friedrich & Co. Snc.
More information:	centroinox.it



Hand Rails in Airport Terminal

More than thirty kilometres of stainless steel handrails were installed in the new airport terminal building in Delhi. The handrails provide an attractive and modern finish to one of the largest and busiest airport terminals in the world and they provide the added benefit to the City planners that they will maintain their lustre throughout their useful lives. The chrome/nickel grade 304 will provide adequate protection in an indoor environment against corrosion.

Details

Location:	Delhi, India
Grade/surface:	SS 304 with satin finish
Manufacturer:	stainlesssteelfinishes.in
More information:	stainlessindia.org





Spiral Staircase

This impressive staircase is made from grade 316 stainless steel and is an aesthetically pleasing design. Its tight area and design requirements provided a huge challenge but the result turned out to be a massive success.

The spiral staircase and balustrades were manufactured in 316 stainless steel with granite treads and landings.

Details

Location:	Lion Match Offices, KZN, South Africa
Grade:	AISI 316
Design:	emmettarch. co.za
Engineering:	Excell Engineering
Photographs:	sassda.co.za
More information:	sassda.co.za



Street Lights





Let's Light Up Environmental Design

The designs for lamps used to light up towns are usually a result of the study of their specific night function. By interesting contrast, the Obelisco lamp results from the necessity to guarantee a harmonic presence both at night and in the daytime. Stainless steel was selected, so that during the day the lamp-posts reflect the variable inclination of the sun. It has a stellar shaft contrasting the bright parts to those which are hidden in the shade. And, as a secondary benefit, the structures are assured a long life cycle, thanks to the durability of stainless steel.

Details

Location:	Abano Terme (Padova), Italy
Grade:	EN 1.4301 (AISI 304)
Surface finish:	Scotch Brite Finishing
Design:	Prof. Arch. Paolo Portoghese (paoporto@tin.it)
Collaborators:	Arch. Antonio Posabella, Ing. Silvio Montin (studiomontin.at@libero.it)
Manufacturer:	Astec Srl
More information:	centroinox.it



Street Lighting in Leuven

When renovating the square facing the Central Station, the City of Leuven selected a lighting solution that unites two apparently contrasting qualities. On the one hand, the lights should blend well with the historic environment. On the other hand, they should not copy the designs of the past, but express the town's forward looking orientation as a renowned university location and science and technology cluster. The functional requirements included mechanical strength as well as corrosion resistance. The use of de-icing salts in winter and the presence of iron contaminants from the nearby railway made the higher-alloyed, molybdenum bearing grade 316 stainless steel the most suitable option to ensure durability with long-term low maintenance and the added benefit of a very attractive appearance.

Details

Location:	Leuven, Belgium
Grade:	AISI 316
Surface finish:	Brushed followed by passivation
Fabrication process:	Laser cutting
Manufacturer:	schreder.com





Street Lighting in Madrid

The manufacturer, Socolec, has worked closely with the famous architect Mr. Álvaro Siza from Riaño & Architects, to bring about positive changes to the urban landscape in Madrid. This example is situated in Cuesta de Moyano in Madrid, a typical meeting point for a book market. This interesting creation is capable of supporting sodium lamp with high pressure and halogen up to 250 w. The light emitted fits more comfortably with the pedestrian environment.

Details

Location:	Madrid, Spain
Grade:	AISI 316
Architects:	Riaño & Architects
Manufacturer:	SOCOLEC (schreder.com)
More information:	cedinox.es



Streetlights in Seoul

The carbon steel lamp posts in Seoul had deteriorated and corroded. Stainless steel was selected for the new lamp posts because of its durability and aesthetic qualities.

The lamp featured as a model project for the Hi Seoul 2005 festival.

Details

Location:	Seoul, Korea
Grades:	STS439/STS304/ STS304N1
Surface finish:	2B/BA/Polishing
Manufacturer:	Sungwoo Industry Co.Ltd.
Supplier:	posco.com
More information:	kosa.or.kr





Plaza del Torico

The renovation of the Plaza del Torico in Teruel, Spain was finished in December 2007. The work involved the complete renovation of the appearance of the square, its pavement, porches and façades, with carefully designed lighting. The remodelling included an innovative lighting system with 1,230 lamps embedded in the surface of the square with the ability to change colour with the aid of a video programme which generates different textures and rhythms by varying the lights. A casing of 2 mm stainless steel sheet with a cover of laminated glass protect the lighting strips fitted into the basalt paving of the square.

Details

Location:	Teruel, Spain
Architects:	b720 Fermín Vázquez Arquitectos
Grade:	EN 1.4304
Photographer:	Adrià Goula
More information:	b720.com



Shelters



Bus Shelter in Paulinia

Following a visit to some cities in Europe, the mayor of Paulinia, Brazil decided to refurbish the street furniture in his city as part of a modernisation programme. The mayor himself was involved in the material selection process and chose stainless steel for its aesthetic appeal and its extended life cycle.

Details

Location:	Paulinia (São Paulo), Brazil
Grade:	Type 304
Surface finish:	Satin finish
Fabrication process:	Cutting, bending and welding
Manufacturer:	Perc Engenharia
More information:	abinox.org.br





Bus Shelters

Sixty bus shelters have been installed in Ahmedabad by the Ahmedabad Municipal Corporation. Stainless steel was used as it met the Corporation's key requirements for corrosion resistance, durability, crash resistance, fire-safety, ease of cleaning and maintenance, and visual attraction.

Details

Location:	Ahmedabad, India
Environment:	Outdoor
Grade/surface:	SS 304
Material thickness/diameter:	125 mm diameter
Weight:	1.3 tonnes
Manufacturer:	nilainfra.com
More information:	stainlessindia.org



Passenger Shelters for Rapid Transit Network

One hundred and twenty-three stainless steel passenger shelters have been installed along New Delhi's Rapid Transit (BRT) network. These unique stainless shelters also provide access for disabled passengers. They include display panels for BRT routes and schedules, litter bins, a clock and an LCD display showing the GPS location of approaching trains. The shelters are fitted with stainless steel advertising panels which can be backlit at night time.

Details

Location:	New Delhi, India
Grade/Surface:	SS304/SS316 - hairline, #4 or mirror #8 finish
Manufacturer:	jslarc.com
More information:	stainlessindia.org



Metro Station Canopies

Stainless steel has been used in the construction of several new metro stations in New Delhi. The stations are used intensively by many thousands of people every day. The stainless steel structures resist wear, have very low maintenance and are easy to keep clean and hygienic. They also provide an extended useful life which is an added benefit for the city's budget. The example shows the protective canopy over the entrance and exit escalators for the Metro System.

Details

Location:	New Delhi, India
Grade/surface:	SS304 with satin finish
Manufacturer:	jslarc.com
More information:	stainlessindia.org



Entrance to the Metro

Two stainless steel canopies cover the entrance to the underground station at Saint Catherine in Brussels. They provide protection for the escalators, the lift, the ticket machines and passengers. Two stainless steel panels, each 32 metres long and 3.5 metres wide, were raised to form the canopies and supported on stainless steel posts positioned apparently at random, positioned and angled, yet still firmly supporting the construction. Grade 304 stainless steel was selected for the canopies, but because of the more severe wear and tear to which the supporting posts are subjected, the higher alloy grade 316L stainless steel was chosen.

Details

Location:	Brussels, Belgium
Grades:	EN 1.4301 (panels) and EN 1.4401 (posts)
Architects:	NODE Engineering
Structural engineers:	Ney & Partners
Photography:	Daylight
More information:	ney.be



Moving Walkways

The historic town centre of Vitoria-Gasteiz, in Spain is built on a hill. Rows of houses and the main shopping street wrap themselves around the hill in concentric circles. Until recently, pedestrian links between the circles were not particularly convenient. But now the walk to the top of the hill has been made much easier thanks to a series of moving walkways. To protect mechanism of the walkways and to protect pedestrians from the elements, the entire length has been covered with a canopy. Rows of stainless steel frames support panels of laminated safety glass to form the 2.5 metre wide and 3 metre high enclosure. Along the length of the walkways, the frames are angled at varying pitches to give a sculpted, 3D effect that turns this primarily functional facility into an eye-catching art installation.

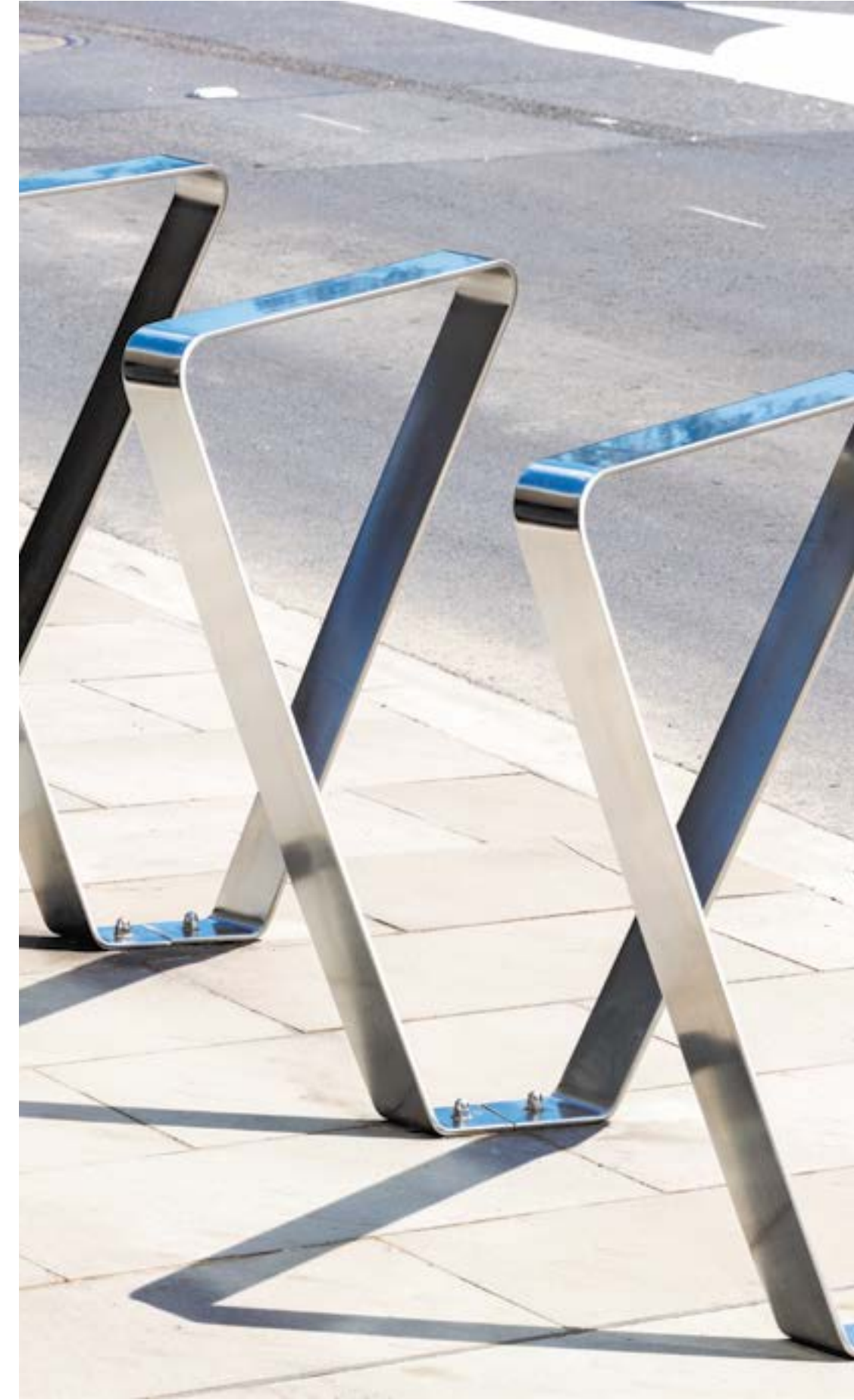
In total, 207 frame elements were constructed from rectangular-section profiles (50 x 150 mm) fixed at different angles onto stainless steel rails. The stainless steel selected was grade 304 for the elevated areas and grade 316L for the more exposed lower level.

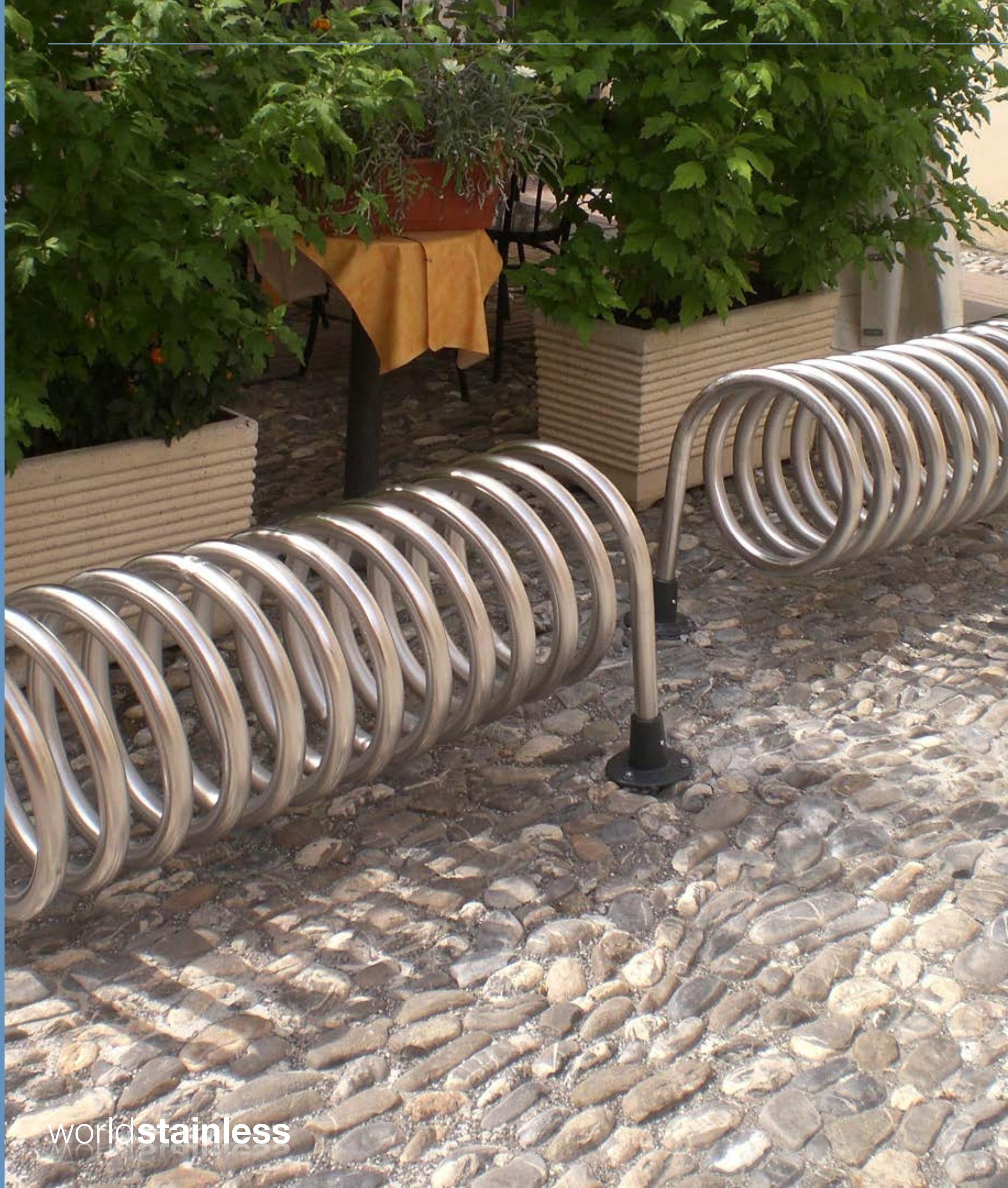
Details

Location:	Vitoria-Gasteiz, Spain
Grades:	EN 1.4401 near the ground and EN 1.4301 for less exposed areas
Architects:	Roberto Ercilla and Miguel Angel Campo
Structural engineer:	Eduardo Martín
Photographer:	Harry Schiffer



Bicycle Stands





Bicycle Stands

In the historic town of Albenga, in Italy, the Municipal Administration commissioned the installation of bicycle stands manufactured from grade 304 stainless steel. The material was selected for its long life as well as its aesthetic appeal. The material is durable enough to withstand any damage resulting from the constant movement of bicycles into and out of the frame and the presence of chrome in the material ensures that even if it is scratched or bent, it will maintain its resistance to corrosion.

Details

Location:	Albenga (Savona), Italy
Grades:	EN 1.4301 (AISI 304)
Customer:	Comune di Albenga
Contractor:	Legnolandia Srl
Manufacturer:	codal.it
More information:	centroinox.it



Biciparking

“Biciparking” is a two-level bicycle parking lot that provides parking for bicycles in those places where floor area is a constraint. This design is ideal for offices, industries, shopping centres, parks or any area where bicycle parking is required. The upper level of “Biciparking” is reached by means of a sliding rail which creates an inclined system. Stainless steel is ideal for this application as it requires minimal maintenance, and is impervious to the scratches caused by continuous movements of bicycles.

2.6 and 1.7 mm sheets were used as well as 13 mm plates were used. A 12.5 mm diameter bar and 38 mm diameter 1.3 mm wall thickness tube were also used. For mechanical joints, 9.5 mm and 6,35 mm stainless steel screws were used. Biciparking is therefore made of 100% stainless steel components. The

Biciparking project was a finalist in the National Award of Stainless Steel IMINOX-UNAM 2015 presented by Enrique Espinosa Fernández. You can see a very brief video that shows how the second level of biciparking works on YouTube: youtu.be

Details

Grade: AISI 304 and 430
More information: iminox.org.mx





Bicycle Parking

This innovative bicycle parking solution was created by the same team that designed the bench which is featured on [page 10](#), and it is similarly located within the Eastland Shopping Centre in Melbourne's Eastern Corridor. The structure was manufactured from 316 Stainless Steel which is a sufficiently robust alloy to withstand the rigours of a coastal environment as well as the dents and scratches which are a necessary by-product of a bicycle stand. And, to top it all, it looks good! This is an abridged version of a story that first appeared in Outdoor Design Source.

Details

Location:	Ringwood, Victoria, Australia
Grade:	AISI 316
Designer:	Andrew Gibbs
Manufacturers:	dalsteel.com.au , draffin.com.au , mme.com.au
Producer:	outokumpu.com
More information:	assda.asn.au



Bins



Stainless Steel Underground Waste Disposal

These attractive stainless steel waste disposal units stand on top of an underground container system which hides the waste below street level, thus creating a positive environmental impact by overcoming the risks of mishandling waste disposal bins, or failure to empty the bins. This is an outstanding example of how stainless steel can meet environmental challenges with an aesthetically pleasing solution.

Details

Grades:	AISI316/AISI304
Manufacturer:	soterrado.es
Supplier:	acerinox.com
More information:	cedinox.es



Waste Disposal Bins for Merano Botanical Garden

As has been mentioned previously, the Merano Botanical Garden, in Merano, Italy is a place of outstanding natural beauty. To ensure that it remains as beautiful as nature intended, the curators have positioned these very attractive waste disposal bins at suitable intervals, for the convenience of visitors. The waste bins have been made from 304 stainless steel for the upper sections and the more robust 316 stainless steel for the more demanding lower sections.

Details

Location:	Merano, Bolzano, Italy
Grades:	EN 1.4301 (AISI 304) EN 1.4401 (AISI 316)
Commission:	Provincia Autonoma di Bolzano
Design:	Ing. M. Ebner, IME
Manufacturer:	fischnaller.info
More information:	centroinox.it



Stretched Stainless Steel Waste Bins

Public waste bins should be decorative, cost-effective, corrosion resistant, mechanically resistant, fire resistant and easy to clean. There is a new type of waste bin made from stainless steel stretched metal. The stretching process makes the austenitic stainless steel work-harden, thereby ensuring outstanding mechanical resistance despite its low weight. The light weight makes the bins easier to manufacture and easier to transport, thus saving significant costs. The bins are made from stainless steel wire and cold rolled sheet. The lid is made from sanded stainless steel and the body is made of electro-polished stretch stainless steel. Another attractive, environmentally friendly application which proves the flexibility of stainless steel.

Details

Location:	Spain
Grade:	AISI 304 or 316
Manufacturing company:	santacole.com
Material supplier:	acerinox.com
More information:	cedinox.es





Waste Disposal Bin for a Condominium

This waste disposal bin is situated outside a condominium in Japan. It has been made of a high chrome (21%) corrosion resistant ferritic stainless steel for ease of cleaning and to provide a solution to fouling by birds and animals.

Details

Location:	Japan (outdoor)
Grade:	21%Cr Stainless steel
Surface finish:	2B
Manufacturer:	kwakui.co.jp
Supplier:	jfe-steel.co.jp
More information:	jssa.gr.jp



Waste Disposal Bin - LitterShark Protectus

The LitterShark Protectus is an explosion-resistant waste bin. The bin is welded from 5 mm cold rolled 304 stainless steel sheet and reinforced with stainless steel ropes. If a bomb is set off in the bin, the detonation force is directed upwards instead of sideways. This makes it much less likely that there will be serious injury to bystanders or damage to nearby property. The bin is ideal for use in cities where security is a concern.

The bin was designed by Werner Zemp and received the 2006 International Red Dot Award for outstanding industrial design.

Details

Location:	Switzerland
Fabrication process:	Welding
Grade:	AISI 304
Surface:	satin finish
Manufacturing company:	bruco.ch
More information:	swissinox.ch





Garbage and Recycling Bins

The 304 stainless steel garbage and recycling bins at the University of Queensland have been laser cut to provide an aesthetically pleasing finish. The installation of 50 new double-bin enclosures has added splashes of colour and flair to the university grounds. Featuring laser cut patterns, brightly coloured spray painting (to distinguish general rubbish from recycling) and a unique shape, the bins were designed with the surrounding art deco buildings in mind. A floating top was also designed to minimise the dominance of the wheelie bin and to provide a shield against weather.

Courtesy of Australian Stainless Magazine.

Details

Location:	Australia
Grade/surface:	AISI 304, no. 4 finish
Manufacturer:	rockpress.com.au
More information:	assda.asn.au



Other Street Furniture



Stainless Steel Vehicle Defence Barriers

The need for vehicle stopping protection and demand for security of facilities and public spaces all over the world has become increasingly important. Shaw Stainless and Alloys work with their clients to facilitate the specific security needs.

To increase the life cycle and to reduce the costs of Vehicle Defence Barrier Bollards stainless steel was deemed to be the best option. The material will reduce corrosion thus extending the life cycle of the project as well as reduce the amount of maintenance needed.

Details

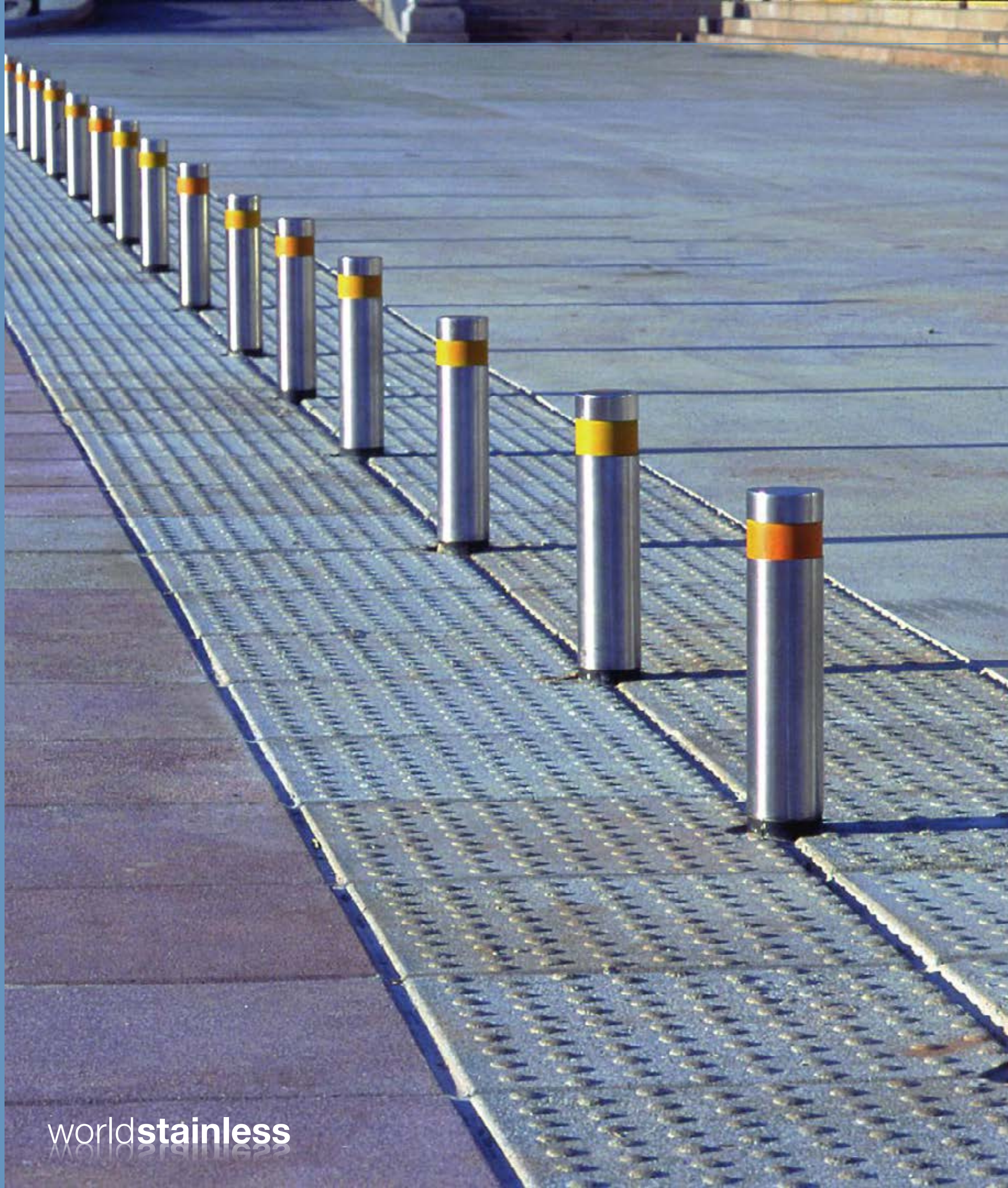
Location: United States of America

Grade: T304

Manufacturer: Shaw Stainless & Alloys

More information: northamericanstainless.com





Traffic Bollards

In the renovation project for the Train Station Square in Belo Horizonte (state of Minas Gerais in Brazil), the architects designed a large area for cultural events, concerts and religious gatherings. They designed stainless steel bollards to direct traffic.

The project was completed more than 10 years ago, all in stainless steel AISI 304, with reflective coatings for optimal viewing. Stainless steel was selected for its long life and because it looks good.

Details

Location:	Belo Horizonte, Brazil
Grade:	AISI 304
Photographer:	Marcelo Araujo
More information:	abinox.org.br



Panoramic Lift

This Panoramic Lift in La Coruña, Spain, carries people from the Paseo Marítimo of Los Rosales El Portiño, to the summit of the Monte de San Pedro. The lift provides fantastic views over the Atlantic and the City.

The lift has a spherical geometry with a glazed surface. It is without doubt one of the great tourist attractions of the city. The elevator covers 100 meters along the slope of the Monte San Pedro, accommodating 40 people and completing the ascent in a little over three minutes. The approximate volume of the sphere is 175 cubic meters, while the useful surface is 30 square meters. The main structure is made of stainless steel.

Details

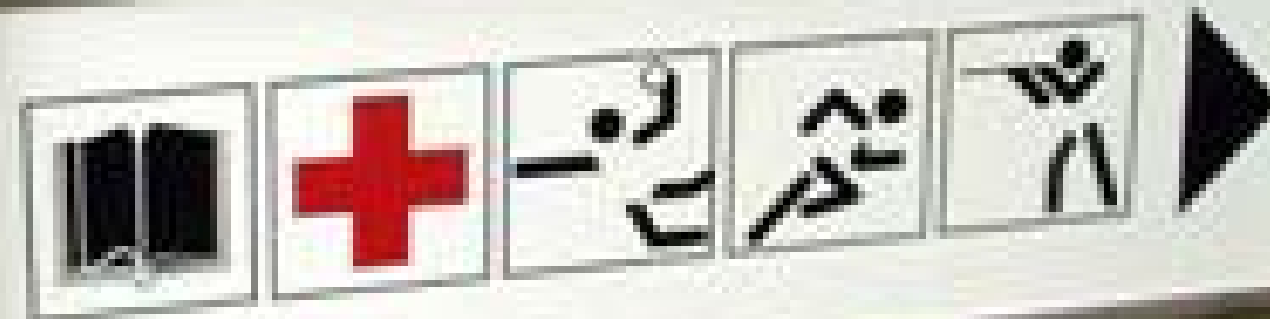
Location:	La Coruña, Spain
Grade:	AISI 316L
Surface finish:	Mirror polished
Manufacturer:	roigcurvados.es
More information:	cedinox.es





**Stadthalle
Schulzentrum** ▶

St. Martin-Stift
Lieferverkehr und Krankenfahrzeuge
über Immanuel-Kant-Straße ▶



Stainless Steel Sign Posts

To provide directions and give visitors some orientation, communities, large or small, need signs and sign posts. The mayor of Spenge, in Germany, was convinced that only stainless steel will look good for all the long years of its useful life and only stainless steel is resistant to corrosion. He asked the resident fabricator Wilhelm Modersohn GmbH to develop a holding system for sign posts out of stainless steel. The result is an attractive design made from 304 stainless steel, with easily interchangeable signs.

Details

Location:	Spenge, Germany
Grades:	Type 304
Fabrication process:	Stainless steel tubes
Manufacturer:	modersohn.eu
More information:	edelstahl-rostoffrei.de



Parking for Shopping Carts

This parking unit for shopping carts in supermarkets is made of polished high-corrosion resistant ferritic stainless steel pipe, containing 21% chrome. The high chrome content gives the material superior resistance to corrosion, even in an application where bangs and scratches are inevitable.

Details

Location:	Japan (indoor and outdoor)
Grade:	21%Cr Stainless steel
Surface finish:	Polished
Manufacturer:	kawajun.co.jp
Supplier:	jfe-steel.co.jp
More information:	jssa.gr.jp



Stainless Steel in the Playground

304 Stainless steel was chosen by the Duque de Caxias authorities as the ideal material to build the Playground equipment, based on durability, low maintenance costs, hygiene and safety.

Source of information: Inox-Tech-Grupo Feital

Details

Location:	Duque de Caxias, Rio de Janeiro, Brazil
Grade:	Type 304
Surface finish:	Satin finish
Fabrication process:	Cutting, bending and welding
Manufacturer:	Prefeitura Duque de Caxias
More information:	abinox.org.br



Kiosk m.poli

This kiosk is designed to be used for temporary street markets or handicraft fairs. It is not thought of as an individual object, but as part of a whole that builds up a small village, a little world of its own, fitted into the city. The design is based on archetypical images: town, house, chimney... When closed, the kiosk is a volume covered by a pitched roof, a house in its uttermost minimal expression. The scale and the shape are so basic that at first glance it might even be a toy, a Monopoly house. Upon opening, the kiosk transforms. A part of its façade rotates upon the roof and the kiosk acquires a more vertical and striking proportion: that of a house with an oversized chimney. The chimney works as a great advertising board and is back-lit at night. With the transformation the kiosk reveals its inside, a house full of surprises, each one different and randomly coloured. The

kiosk m.poli has been made with four different types of steel façade: naturally weathered Corten steel, polished stainless steel, matt stainless steel and steel with a black lacquer finish. More than 95% of the weight of the kiosk is from steel, in various types and forms. These materials are made from 43% recycled metals, and in terms of re-use of materials, the kiosk is almost completely recyclable.

Details

Location:	Spain
Design:	brutdeluxe.com
Photos:	imagensubliminal.com
More information:	brutdeluxe.com





Urban Toilet

The Spanish company Proyectos e Instalación de Material Urbano, S.A.U. - PRIMUR- is one of the pioneers in the field of industrial design applied to urban furniture. They have been developing their activities for more than 25 years and the result is the installation of more than 10,000 kiosks and booths, 2,500 bus shelters and many other urban elements based on their own designs or their customer's. Each necessity requires a specific material and stainless steel is a

perfect ally to achieve the final purpose. Stainless steel is basically a sustainable material. It is almost 100% recycled and recyclable. It is a precious material because of its hygienic properties, durability, resistance and easy maintenance. Its porosity-free surface prevents the concentration of bacteria and germs and the availability of different modern, bright and smooth finishes increases the sensation of cleanliness.

Story sourced from Inoxidable 79.



Details

Manufacturer: primur.eu
Producer: acerinox.com
More information: cedinox.es



Training Equipment

Stainless steel is the best material for outdoor training equipment because of its corrosion resistance and aesthetic qualities. This stainless steel exercise equipment was developed by the KOSA Stainless Steel Club as a demo project and is manufactured from 304 stainless steel with a variety of surface finishes.

Details

Location:	Seoul, Korea
Surface finish:	2B/No. 4/HL/ Polishing
Manufacturer:	BSPOLE
Supplier:	posco.com
More information:	kosa.or.kr





Bottle Refill Station

The Kent Water Refill Station is a stainless steel water dispenser and is available in Marine Grade 316L Stainless Steel. As an optional extra, these refill stations can also come with a drinking fountain bubbler tap & basin.

The stainless steel has a bright peened finish, however, multiple finishes are available. The water refill station is bolted down below paving level.

Pictures and text courtesy of Kent Stainless.

Details

Grade:	316L
Finish:	bright peened
Manufacturer:	kentstainless.com
More information:	kentstainless.com



Chinese lanterns

Chinese lanterns are a symbol of Chinese culture worldwide, initially used to provide light and later adopted for religious worship, decoration and celebration. Traditionally made from silk or paper, the City of Melbourne recently evolved the Chinese hanging lanterns featured on Little Bourke Street from cloth to stainless steel. In extensive consultation with the

Chinatown Precinct Association, the City of Melbourne and GHD (Structural Engineers) reimagined the classic Chinese lantern with a detailed design that preserved the traditional aesthetics while examining a number of considerations.

Stainless steel delivers a sustainable solution, offering strength, longevity, and consistent aesthetics. It also offers excellent life-cycle costs, with little-to-no maintenance, saving time and costs for councils and other government bodies supporting public infrastructure.

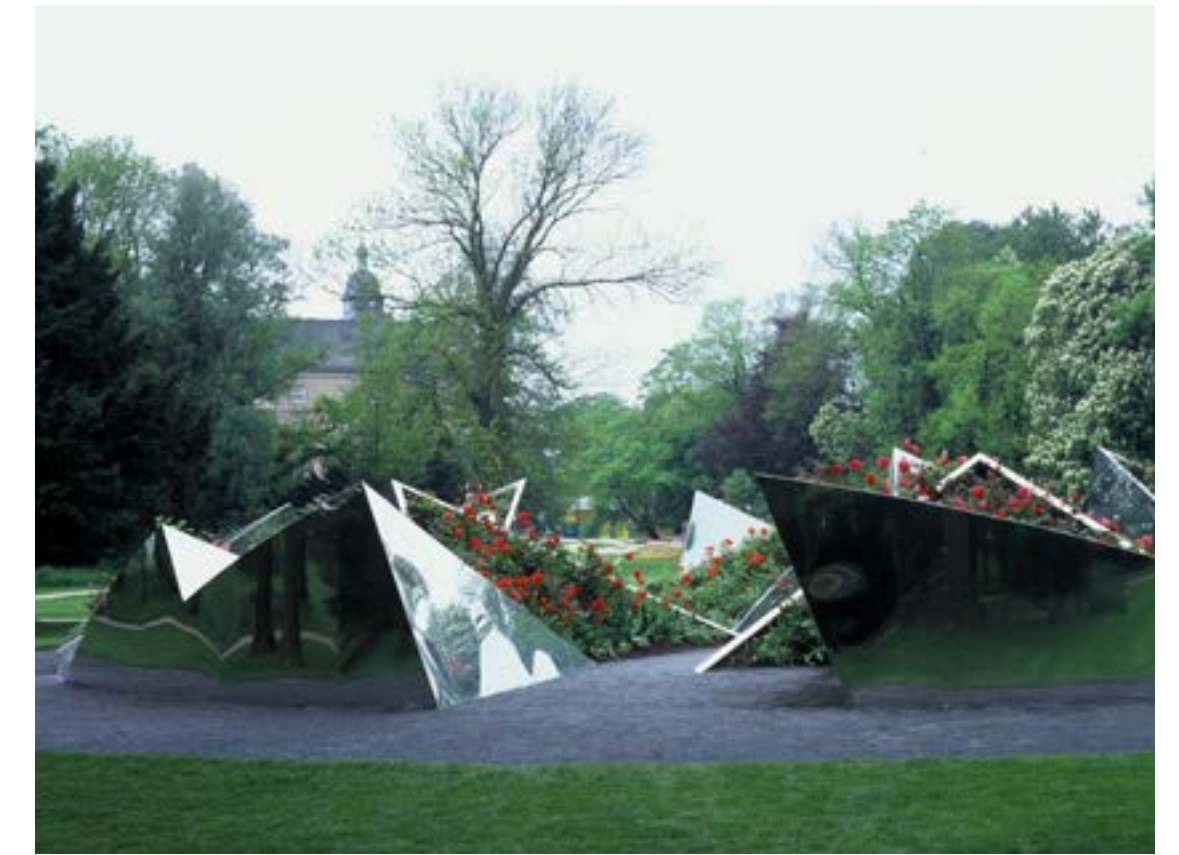
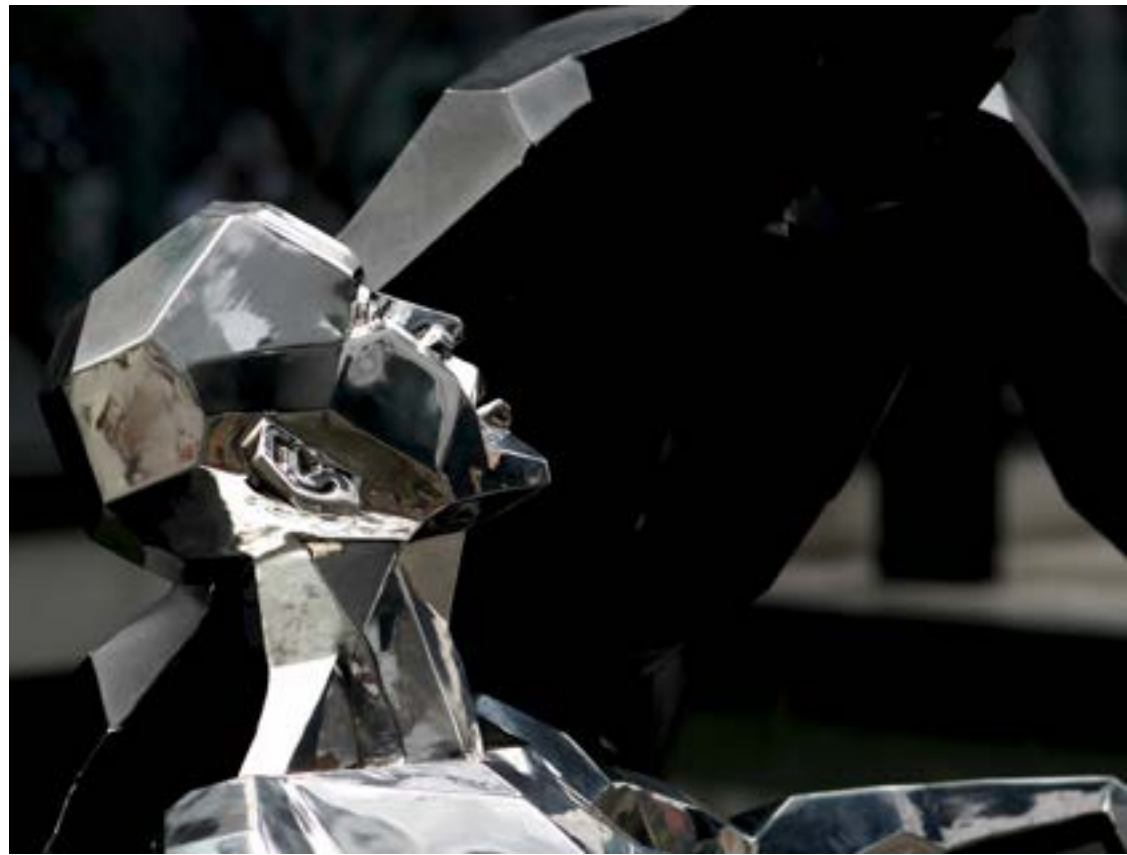
Details

Grade:	316
Finish:	powder coated with a luminous metallic red colour
Manufacturer:	draffin.com.au
More information:	assda.asn.au worldstainless.org

Pictures courtesy of
 Draffin Street Furniture and
 @rayofmelbourne for
 @cityofmelbourne



Art





Stainless Steel Christmas Tree

This decorative piece allows the user to create a Christmas Theme for living spaces and commercial interiors or exteriors. Ideal for outdoor use, it can be used on terraces, gardens and in shopping centres. It consists of two sheets of stainless steel 430 1.0 mm with a Number 3 polish finish. Both sheets are assembled against each other in perpendicular, visually achieving a volume similar to a natural tree. Being

disassembled it is easy to store taking up little space. When it is assembled, it has a height of 150 cm and a diameter of 110 cm.

The Christmas Tree was a finalist project in the General Public Category of the National Award of Stainless Steel IMINOX-UNAM 2015 designed by Julieta Gaspar Lira and Silvia Pamela Suárez Uribe.

Details

Grade:	AISI 430
Finish:	P3
Designers:	Julieta Gaspar Lira and Silvia Pamela Suárez Uribe
More information:	iminox.org.mx



Stainless Steel Circular Garden Beds

The Wolfsburg Castle Park, in Germany, has three brightly shining circular beds that juxtapose flowers, plants and 304 stainless steel. These circular gardens include a Sculpture Garden, a Rose Garden and a Shadow Garden. They fit into the historic landscape as reflecting objects and serve as a contemporary interpretation of an element typical of traditional landscape gardens of the 18th and 19th centuries: the folly. In the smooth surface the lushly green landscape-park is reflected and the result is quite beautiful.



Details

Location:	Wolfsburg Castle Park, Germany
Architects:	topotek1.de
Structural engineers:	Leonhardt, Andrä und Partner
Grade:	EN 1.4301
Surface:	2R
Photographer:	Hanns Joosten
More information:	topotek1.de





Lotus Stainless Steel Flower Pots

Lotus is a modular system of pots for flowers or plants that allows them to be placed in different places to achieve customized designs. Each pot can contain small and medium plants or flowers (600 cm³ capacity) and its dimensions are 23 cm x 21 cm x 10 cm. The fastening system for the exterior of building façades is an anchor embedded in the wall. Indoors they are attached by means of a nail hole. Lotus

Pots are manufactured from stainless steel type 304 with a polished finish. Laser cutting, bending, spot welding and manual mechanical finish were used.

Lotus was the winning project of first place in the general public category of the National Award of Stainless Steel IMINOX-UNAM 2015 and was presented by designer Lucia Salgado Padilla.

Details

Grade:	AISI 304
Designer:	Lucia Salgado Padilla
More information:	iminox.org.mx



Haceros Inolvidables ("make you unforgettable")

Haceros Inolvidables is a Mexican sculpture which was built to commemorate the first 100 years of stainless steel. The project was initiated by the Stainless Steel Development Association of Mexico, IMINOX, which was involved in each of the different phases that successfully culminated in the completion of the fabrication of the sculpture in December 2012. Haceros Inolvidables was designed, fabricated from 304 stainless steel and erected by Mr. Enrique Espinosa Fernández who described it as an "impossible geometry" of multi-dimensional perspectives that evoke a surprise-filled faceted figure whose reflections make it ethereal.

Haceros Inolvidables is located in Estado de México Square: In Honour of the Army Centenary, in Cuautitlán Izcalli, Estado de México. Coincidentally, the Park was also planned in commemoration of the 100th anniversary of the Mexican Army, sharing the celebration in analogy with the integrity, strength, security and unalterable loyalty of the Mexican Army.

The park was opened on 17 April 2013 by the President of Mexico, Mr. Enrique Peña Nieto and the Governor of the Estado de México, Mr. Eruviel Avila Villegas. Pictures of the inauguration event and some of the many ways the sculpture design projects can be seen on YouTube: youtu.be



Details

Location:	Cuautitlán Izcalli, Mexico	Weight:	7,382 tons
Grade:	AISI 304 (plates, sheets and square tubes)	Designer:	Enrique Espinosa Fernández
Surface:	P3 and BA for the sheets and square tube	More information:	iminox.org.mx



Dimensión V

Dimensión V is a sculpture of stainless that represents a fullerene, which is a molecule of Carbon in the form of a sphere. The sculpture has a diameter of 4 metres and is located at the National Institute for Nuclear Research (ININ) in Ocoyoacac, Mexico. Dimensión V is an emblematic symbol of ININ because it commemorates 40 years of research in nuclear energy in Mexico.

With this piece, its designer, Yvonne Domenge, was the winner of 6th Latin American Industrial Design Mexinox Award in 1996.

Details

Location:	Ocoyoacai, Mexico
Artist:	domenge.com
Supplier:	outokumpu.com
More information:	iminox.org.mx



Splash

Splash was designed and fabricated in 2007 by Yvonne Domenge, a Mexican sculptress. The sculpture was made of stainless tube and mesh and is 3 metres high with a diameter of 6 metres.

Splash is located in the garden of private offices in Mexico City.

Details

Location:	Mexico
Manufacturer:	domenge.com
Supplier:	outokumpu.com
More information:	iminox.org.mx





Provocation

Provocation is a 36 metre high vertical sculpture, with a top diameter of 5.60 metres and a bottom diameter of 1.80 metres. It was manufactured from 304 stainless steel with a “windmill” finish. It is a symbol of the Tecnoparque. It was built in 2002 but still looks new.

The structure is a large tube, 1.80 metres in diameter, with an internal staircase. The inner tube had a series of anchors with stainless steel bars which fasten the stainless coating. The construction was very interesting and took six months for the contractor Obras de Arte, Inventos, Sueños.

You can see an interview with the designer and constructor of Provocation on YouTube: youtu.be

Details

Location:	Mexico
Grade:	AISI 304
Surface:	windmill finish
Artist:	enriqueespinosa.com.mx
Supplier:	outokumpu.com
More information:	iminox.org.mx

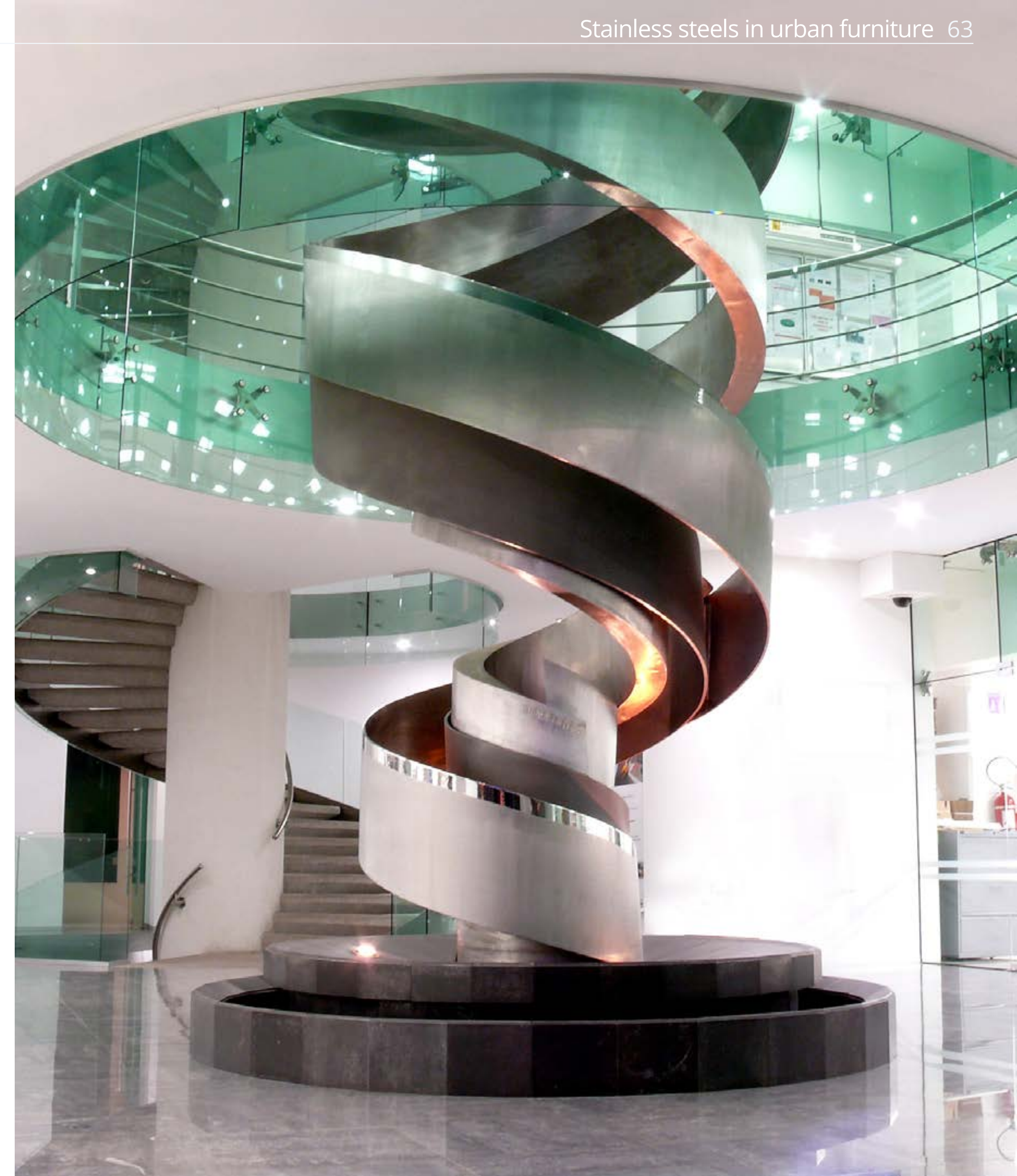


Torbellino

Torbellino is located at the Credi-Nissan Corporate Offices in Aguascalientes, Mexico. It is also a creation of Yvonne Domenge and was completed in 2007. The sculpture resembles a ribbon rising from the cube of light. The stainless steel ribbon is 7 metres high, with a diameter of 2.5 metres. The effect is visually stunning! Only stainless steel can give a designer the unique properties of strength and aesthetic appeal to create such an effect.

Details

Location:	Aguascalientes, Mexico
Manufacturer:	domenge.com
Supplier:	outokumpu.com
More information:	iminox.org.mx



Sports Stadium Sculpture

This sculpture depicts a series of sporting activities and stands in front of what is now the Football Stadium of Shanghai. The stadium was built in 1997 for the 8th National Games of China. It has since been used for the 2007 Special Olympics Summer Games, the 2008 Summer Olympics and was the host venue for Supercoppa Italiana. Final between Juventus and Lazio on 8 August 2015. With almost 57,000 seats it is one of the thirty largest football stadiums in the world, and is the third largest stadium in China after the Guangdong Olympic Stadium and the Beijing National Stadium. The sculpture was manufactured from 304 stainless steel.

Details

Location:	Shanghai Stadium (Shanghai, China)
Grade:	300 series
Surface finish:	Grind based on 2B surface
Fabrication process:	Stamping and welding
Photographer:	Chen Shang Chen
More information:	outokumpu.com

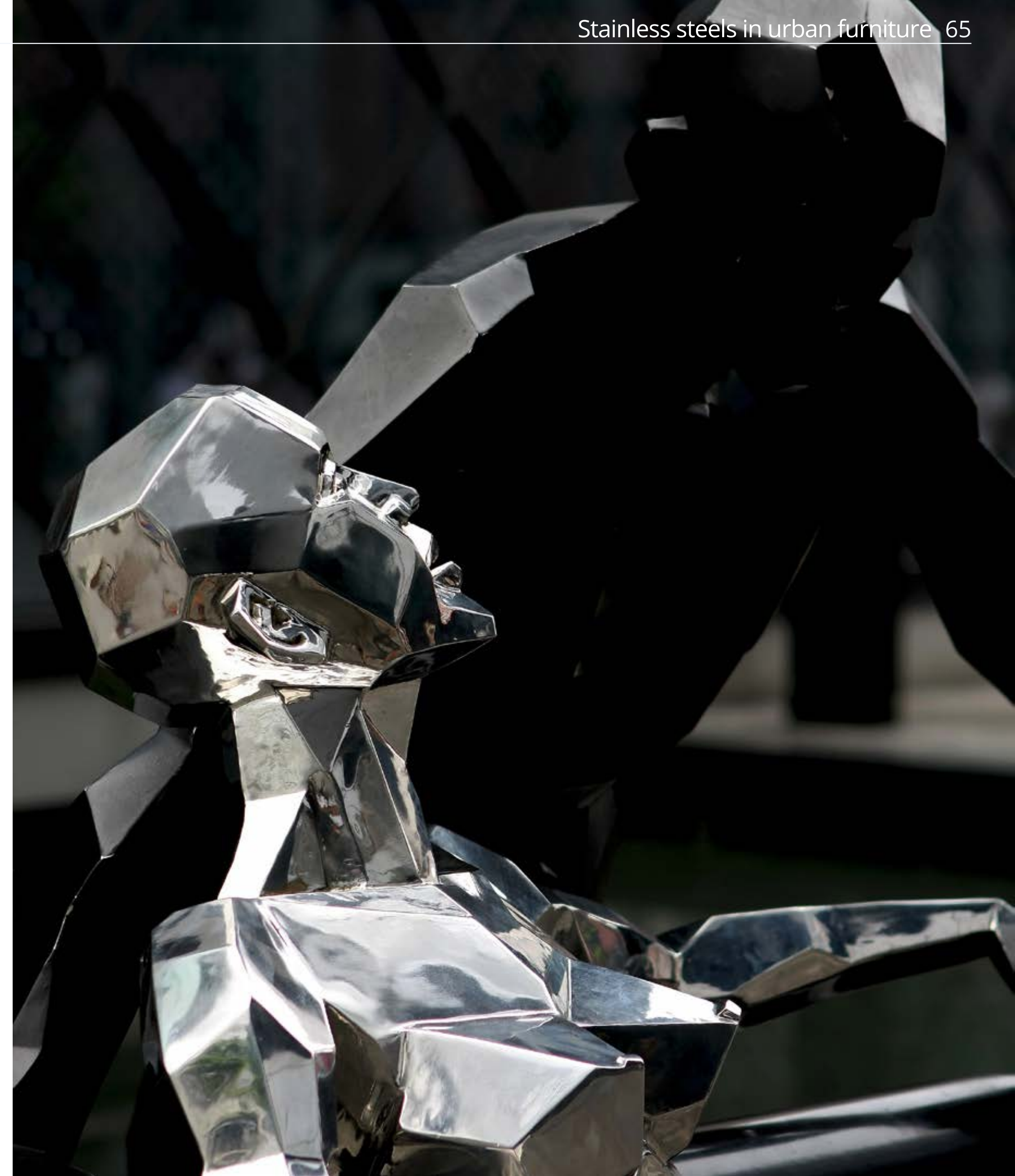


Art in Shanghai Infinite Plaza

These two interesting pieces feature in the Infinite Plaza Shopping Centre in Shanghai. Depicting fashion models, the sculptures were manufactured from 304 stainless steel, with one featuring a punched design to give a textured surface and the other having been electro-polished to give a highly polished surface.

Details

Location:	Shanghai, China
Grades:	300 series
Surface finish:	2B surface
Fabrication process:	Punching, welding
Photographer:	Chen Shang Chen
More information:	outokumpu.com

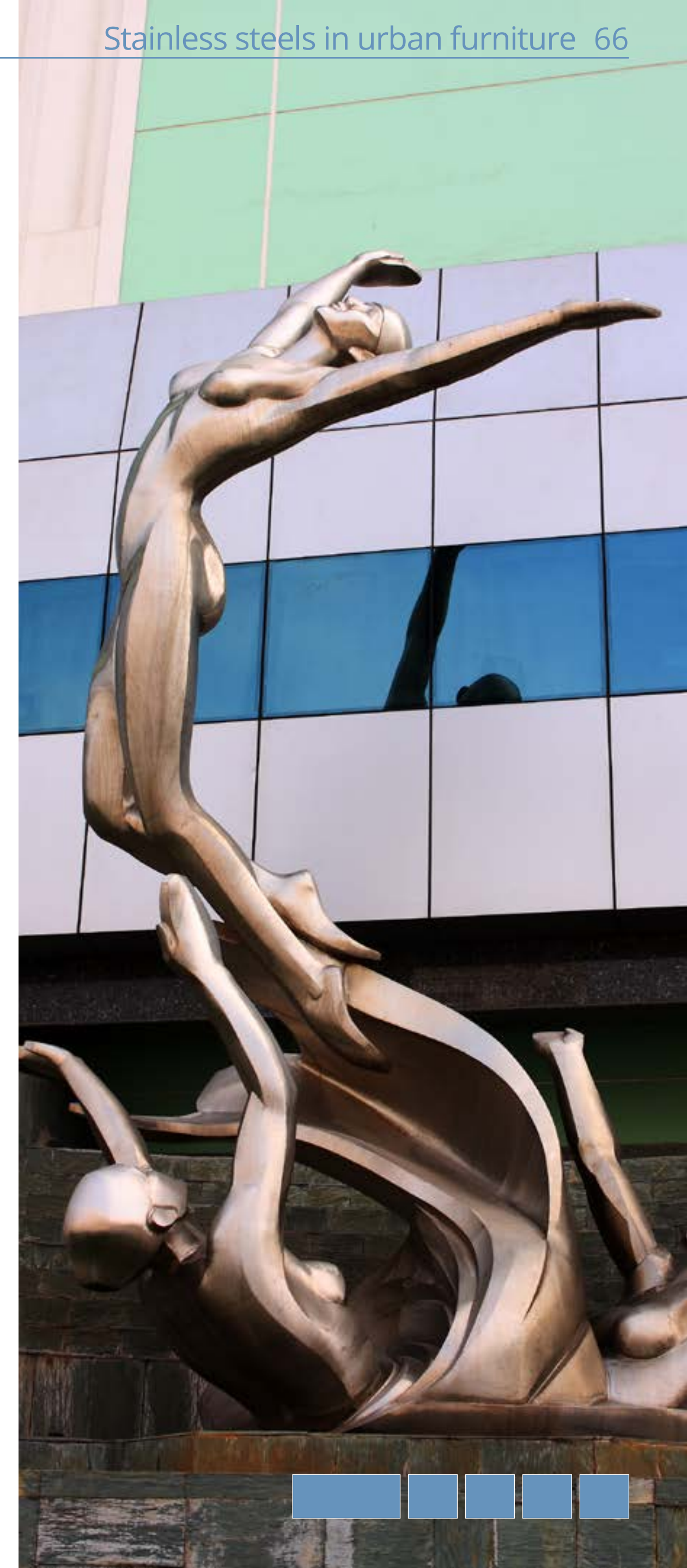


Art in the Pudong Municipal Public Swimming Pool

The Pudong Municipal Public Swimming Pool is one of the largest swimming pools in the Pudong New Area. The sculptures surrounding the venue feature a number of easily recognisable swimming events and were manufactured from 304 stainless steel.

Details

Location:	Pudong Natatorium, Shanghai, China
Grades:	300-series
Surface finish:	Polishing
Fabrication process:	Stamping and welding
Photographer:	Chen Shang Chen
More information:	outokumpu.com



Tree Sculpture

Carrollton, Kentucky, has been named many times as a Tree City USA by the National Arbor Day Foundations. In 2008 a tree sculpture featuring stainless steel leaves was placed in the Park on the corner of U.S. 42 and KY 227. The sculpture, which was designed and built by Douwe Blumberg, was made from high alloy 316L stainless steel and is part of the Community Beautification Project.

Details

Location:	Carrollton, Kentucky, USA
Grade:	Type 316L
Artist:	douwestudios. com
Supplier:	northamerican stainless.com





Barramundi Sculpture

This sculpture features a Barramundi, a large fish found mainly in Australia. The artwork was commissioned for the Osborne Family Holdings, Hastings over Mindil Apartment Complex in Fannie Bay, Darwin and was fabricated by Northern Stainless from 316 stainless steel with a Number 4 polish. It was re-grained after polishing and scales were polished into it. It was laser cut and then rolled and hand curved to create the three dimensional sculpture. Stainless steel was the perfect material for creating the mesmerizing shimmer of this fish.

Courtesy of Australian Stainless magazine - Issue 37.

Details

Location:	Darwin (Northern Territory), Australia
Grade:	Type 316
Surface finish:	No. 4 finish
Manufacturer:	Northern Stainless
More information:	assda.asn.au



The Infinite Bond

This fascinating work of art was manufactured from 304 stainless steel and placed in the Nanpu Plaza Park, in Pudong New Area. Surrounded by lawns and flowers, it is one of the many green areas which are scattered around the City of Shanghai. The Sculpture sits alongside the Nanpu Bridge – one of many road bridges which cross the Huang Pu River and link Pudong to Puxi in the City of Shanghai.

Details

Location:	Nanpu Plaza Park, Pudong, Shanghai, China
Grades:	300-series
Surface finish:	Grinded finish
Fabrication process:	Steel sheets welding
Manufacturer:	Shanghai Oil Painting and Sculpture Institute
Photographer:	Chen Shang Chen
More information:	outokumpu.com



The Giant Fish Sculpture

This landmark sculpture was erected in Nanhuizui Sea Viewing Park, in Shanghai. It was fabricated using stainless steel tubes made from 316 stainless steel, to withstand the aggressive coastal environment in Shanghai and represents the Carp (Chinese Li) which is symbolic to many Chinese people because it is said the represent the Dragon. This is but one of many huge stainless steel art works which can be found all over the city.



Details

Location: Nanhuizui Sea Viewing Park, Shanghai, China

Grades: 300-series

Surface finish: Grind based on 2B surface

Fabrication process: Welded tube

Manufacturer: Beijing Zhongshenya Sculpture Ltd.

Photographer: Chen Shang Chen

More information: outokumpu.com



Memorial Symbol for 2007 Shanghai Special Olympic Games

The Special Olympics is the world's largest sports organization for people of all ages and all nationalities who are afflicted by intellectual disabilities. They provide year-round training and competitions for more than five million athletes and Unified Sports partners in nearly 170 countries. The 2007 Special Olympics World Summer Games were held in Shanghai. This Memorial Symbol pays tribute to those Games and is found in the Greenbelt Area of the Central Yan'an Road in Shanghai.

Details

Location:	Greenbelt of Central Yan'an Rd., Shanghai, China
Grades:	300-series
Surface finish:	BA
Fabrication process:	Stamping and welding
Photographer:	Chen Shang Chen
More information:	outokumpu.com





Sun Dial Sculpture

Century Avenue is a major highway in Pudong, Shanghai. It begins in the Lujiazui Business District and ends in a pedestrianised section which becomes Century Park. One of the major landmarks on this highway is the massive stainless steel sculpture of a sun dial. Manufactured from 316 stainless steel tubes and sheets, the piece stands in a huge traffic circle, with a beautifully tended garden, featuring green lawns and brightly coloured flowers. This landmark welcomes many visitors arriving in the city from the Pudong International Airport.

Details

Location:	Century Avenue, Pudong, Shanghai, China
Grades:	300-series
Surface finish:	BA surface
Fabrication process:	Welded tube
Manufacturer:	Beijing Zhongshenya Sculpture Ltd.
Photographer:	Chen Shang Chen
More information:	outokumpu.com

St. Joseph Sculpture

Inox Tubos, a Brazilian tube manufacturer, commissioned this statue of St. Joseph from the artist, Lucio Bittencourt, to honour the city of Ribeirão Pires, where the company is located. St. Joseph is the Patron Saint of the city. The statue is made of 300 series stainless steel scrap and is 10 meters high.

Details

Location:	Ribeirão Pires (São Paulo), Brazil
Grades:	300 series scrap (sheets, tubes and bars)
Surface finish:	Several finishes
Fabrication process:	Cutting and welding
Sculptor:	Lúcio Bittencourt
Supplier:	Inox Tubos
More information:	abinox.org.br





Stainless Steel Athletes Sculpture

Internationally renowned, Yackandandah based, sculptor Benjamin Gilbert was commissioned to create a series of sculptures for Melbourne's Commonwealth Games. Extending six metres in the air, the pieces symbolized three different representations of a pole-vaulter, displaying the versatility and artistic merit of stainless steel. He has worked with stainless steel for 10 years and believes it is cost effective and cheaper to use than other materials. Furthermore, the added ability of using off cuts in his work suited Benjamin's 'green' focus.

Benjamin also says that because stainless steel doesn't need to be painted makes it an attractive material. The sculptures used 100 kg of stainless steel. To enable them to flex in the wind, the 35 mm poles are re-enforced with inner tube to build up spring, similar to a leaf spring on a trailer suspension.

(courtesy of Australian Stainless Magazine)

Details

Location:	Victoria, Australia
Grade:	Type 304
Sculptor:	Benjamin Gilbert
Supplier:	atlassteels.com.au
More information:	assda.asn.au



The Fountain of Hope

The Fountain of Hope is situated in the northern corner of the Xujiahui Park in Shanghai. The sculpture was donated to Shanghai by the City of Marseille, Shanghai's Sister City. The sculpture is one half of a complex cultural exchange project, in which The Shanghai Garden, which is a park donated to Marseille by Shanghai, makes up the other half. The tree in the centre of the Fountain Pool is 9 meters high, 6 meters wide and it covers an area of 240 square meters. It is shaped like an open book. The sculpture at the top is made of stainless steel in the shape of a tree built in the centre of a pool featuring 26 water fountains with an electronic control system' choreographed into three groups.

Details

Location:	Xujiahui Park, Shanghai, China
Surface finish:	No. 1 surface (hot rolled plate)
Fabrication process:	Steel sheets welding
Photographer:	Chen Shang Chen
More information:	outokumpu.com



Gouvernementsplein

Gouvernementsplein (Government Square) is located in the historic inner city of Bergen op Zoom. The square has seen many forms: initially a chapel stood there; later it was a garden belonging to the Government Building. As in most historic Dutch cities, the layout of streets and squares in Bergen op Zoom comprises a system of overlapping spaces, usually without a formal limitation. This spatial organisation, the overlapping of spaces, meanings, and conditions, is one of the starting points of the design. Gouvernementsplein is not a garden, plaza, building or street, but rather a space born out of these urban components. The eye-catcher of the square is the fountain; jets of water shoot up out of raised slabs of stainless steel. Old maps of Bergen op Zoom are engraved into the slabs, reminding people how much the town has changed through its history.

Details

Location:	Bergen op Zoom, Netherlands
Architects:	karresenbrands.nl



A8ernA

Running through the heart of Koog aan de Zaan is the A8 motorway. It is raised on a 7 metre high concrete bridge. The area below was once a no-man's land, used only for parking or as a general dumping ground. An urban development project with the interesting title 'A8renA' has now turned this area into a new forum for urban life. At the point where most pedestrians pass under the motorway, the four main supporting columns of the traffic bridge have been transformed into a work of art, featuring 304 stainless steel and light. The columns are 6 metres high and 3 metres wide. On each column a poem by the poet Arie van den Berg has been inscribed, without spaces or punctuation. The letters were laser-cut in the steel. This is an outstanding example of how the imaginative use of stainless

steel can brighten up otherwise dull areas of urban environments, creating a thing of beauty out of a former parking lot!

Details

Location:	Koog aan de Zaan, Netherlands
Grade:	EN 1.4301
Surface:	mirror-polished
Width:	2.5 mm
Artist:	Marc Ruygrok
Photographer:	Luuk Kramer, Amsterdam
More information:	viaruygrok.com





L'anima della Città

The soul of the city of Cremona, renowned for centuries for its famous violin makers is captured in this stunningly beautiful sculpture representing an 8 metre high stainless steel violin. The piece has been positioned in the area overlooking the square of the railway station. and has been made entirely of 316 stainless steel. The internal structure is formed by elements obtained from 30 mm thick stainless steel plates, cut to the required shape through a submerged plasma cutting process. The soundboard is lined by electro-coloured

sheets, which have in turn been shaped and fastened to the substructure. Elements made of micro-welded and subsequently formed and hand-polished parts have been added to the base. This work is able to detect the presence of visitors through sensors located in the surrounding area, and it begins to play a melody through loudspeakers installed inside the sculpture. This is quite possibly the most beautiful stainless steel sculpture in the world and it offers a fitting tribute to the grand masters of violin and viola craftsmanship, Andrea Amati, his sons Girolamo and Antonio, his grandson Nicolò, Giuseppe Guarneri, his son Giuseppe and the well-known master, Antonio Stradivari. The exquisite sounds of a first-class violin, played by a maestro are complemented here by the sheer beauty of stainless steel in art-form.

Sourced from Inossidabile 206.

Details

Location:	Cremona, Italy
Grade:	EN 1.4401 (AISI 316)
Architect:	Giorgio Palù
Manufacturer:	steelcolor.com
Photographer:	Mattia Aquila
More information:	centroinox.it



Art at the Helenvale Resource Centre

Art and architecture complement each other! And this is no different at the (South African Institute of Architects) award-winning Helenvale Resource Centre; where two urban art pieces, conceived in stainless steel and resin, create focal points, facing each other, along the main approach axis to the entrance to the building, in the “Community Plaza”. Standing on the opposite side of Leith Street, the primary



art piece, called “Kite Boy,” consists on an annulus (ring-shaped) form, out of reflective stainless steel, that evokes movement, upon which a figure of

a young child (actually sculpted from a member of the local community), out of cast resin, balances, while looking towards the Centre and flying a kite (a distinctive activity in Helenvale). This art piece has truly become a focal point in the community and is often used as the backdrop for photo shoots for weddings etc. Directly across from Kite Boy, on the opposite side of the Community Plaza, at the main entrance to the Center, stands the Mural featuring words and phrase chosen as a result of a community activation process conducted by the German Development Bank. The text has been cut into reflective stainless steel sheeting. The mural also includes resin cast figures of three children playing. The fact that both art pieces use the same materials – primarily polished stainless steel – truly “binds” the Community Plaza to the Community Centre.



Details

Location:	Port Elizabeth, South Africa	Artist:	Michael Barry
Grade:	AISI 304 and 316	Manufacturer:	R & R Aesthetics
Surface:	sanding to 1200 grit finish and buffed to a polished shine with cotton mops	Photographs:	sassda.co.za
Urban design and architecture:	thematrixcc.co.za	More information:	sassda.co.za

Stainless Steel Igloo

Posco's world premium stainless steel 'PosSD' grades was applied in "Steel Igloo". This street art shows great potential of stainless steel as a construction material.

Details

Location:	Gyeonggi-do, South Korea
Artist:	Kim Chan Joong
Grades:	PosSD(329FLD) 1.2t
Surface finish:	super mirror
Manufacturer:	Seyusteel, Hansung Steel, Yoochang
Supplier:	posco.com
More information:	kosa.or.kr



Water Drops

Stainless steel is applied to the exterior environmental landscape of these water drops with because of its excellent corrosion resistance.

Details

Location:	Chungcheong nam-do, South Korea
Grade:	STS304
Surface finish:	Mirror
Manufacturer:	Spacetalk
Supplier:	posco.com
More information:	kosa.or.kr



Help

- ? Help page
- ☰ Contents page
- < Previous page
- > Next page
- BACK Previous view

About worldstainless

worldstainless is a not-for-profit research and development association which was founded in 1996 as the International Stainless Steel Forum.

Its primary roles are to undertake stainless steel industry beneficial tasks that are better coordinated centrally in the fields of

- Promoting industry and material sustainability benefits
- Conserving resources and promoting the circular economy
- Providing economic and industry-leading statistics
- Support industry health & safety needs and developments
- Outlining market development and expansion opportunities
- Maintaining brand reputational positioning
- Materials education

Contact

You can contact the worldstainless team through the following email address:

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Disclaimer

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