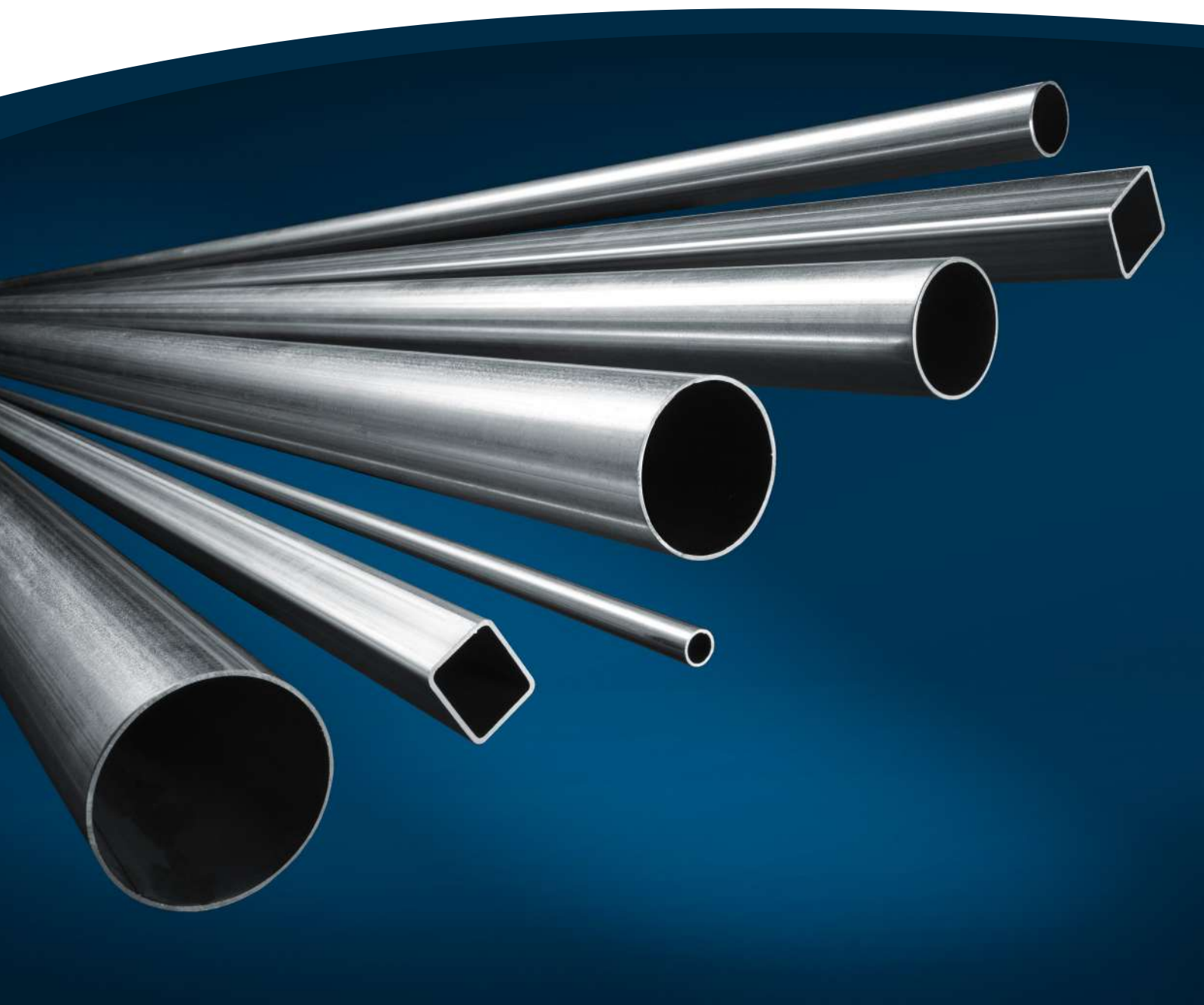


TATA STEEL



Contiflo®

The premium galvanised precision tubes



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Contiflo®

Contiflo® is our range of special galvanised precision tubes manufactured to EN 10305-3. Its superior surface quality, reliable corrosion resistance and weld seam strength have made it a trusted choice for various applications, such as closed heating systems for buildings, greenhouse aerating, industrial packaging, gardening tools and automotive components.

Tata Steel Nederland Tubes

With over 100 years of experience in steel tube production in the Netherlands, we are dedicated to finding solutions that support our customers. At three manufacturing sites we produce a wide range of welded steel tubes. The special galvanised precision tubes **Contiflo®** are produced via our site in Oosterhout. Our own integrated steel plant in the Netherlands allows full control over the quality of raw materials, ensuring consistent and high-quality steel for every tube produced.

Working in partnership

We regard our customers as partners and we will work closely with them to provide the best advice on the use of our precision tubes. Our technical experts are available to assist in the development of existing or new products to meet customer and market demands. Tata Steel Nederland Tubes BV is distinguished by its excellent aftersales service, offering guidance, support, and prompt responses to any queries or issues.

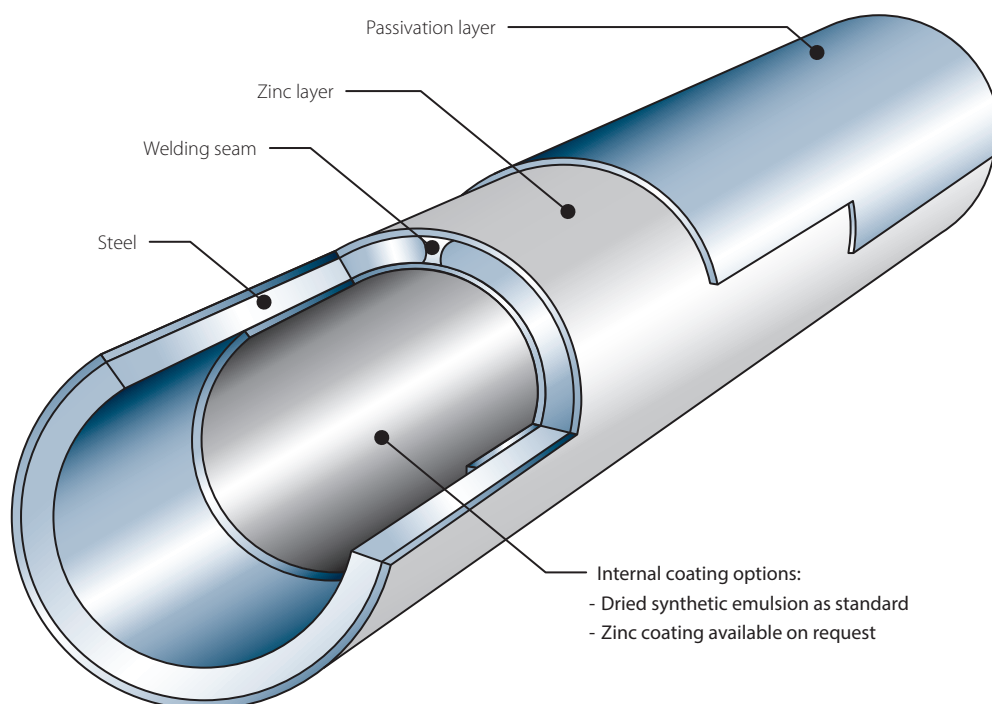
Why choose Contiflo®

Contiflo® stands out thanks to a unique production process that creates an exceptionally strong bond between steel and zinc, delivering corrosion protection that outperforms other galvanised tubes. Its premium passivation coating and dry, clean, oil-free surface ensure a smooth, uniform finish for facilitated processing, optimal performance and aesthetic appeal. By heating the tubes after welding and before zinc plating, we achieve an improved microstructure, superior bendability, and outstanding weld seam strength.

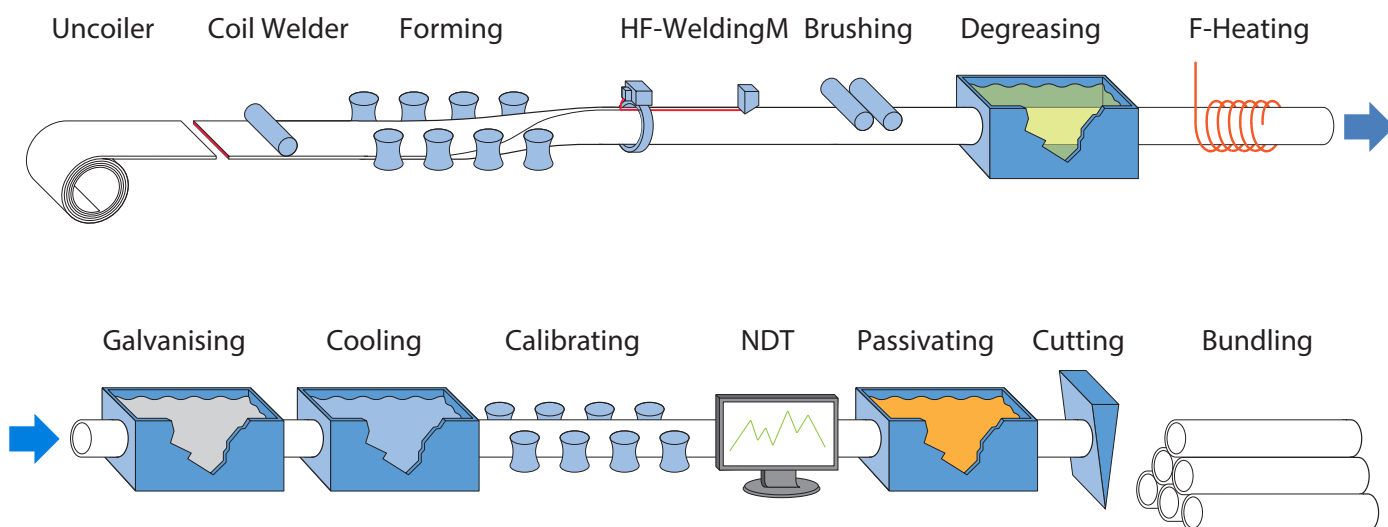
CONTIFLO®

Our premium galvanised precision tubes have superior properties because of our unique production process

Tube construction



Continuous production process



In line galvanising

Contiflo® tubes are galvanised on the outside using our in line coating process, which gives the tube a shiny finish and also hides the weld. The zinc layer is available in various thickness ranges.

Internal protection

The inside of our Contiflo® tubes receive a dried synthetic emulsion treatment as standard for a temporary protection. The option of an internal zinc coating is available upon request for a permanent protection.

Robustness

Our galvanising process ensures an exceptionally robust and strong bond. This allows the tube to undergo deformation without the risk of disbondment.

Delivery options

For confirmation of size range, coating options and key technical delivery conditions, please contact us to discuss your requirements in full. We are always willing to discuss customer specific requirements.

External surface quality

The surface of our Contiflo® tubes is of a high quality and is clean, dry and grease and oil free. The galvanised surface is passivated, which also provides an excellent protection against unsightly white rust.

BENEFITS

Contiflo® outperforms electrolytic galvanised and Sendzimir tubes with superior, longer-lasting durability and minimal maintenance. It offers exceptional versatility for both indoor and outdoor applications, combined with effortless processing, installation, bending, and forming. **Contiflo®** is renowned for its superior attributes, which ensure reliable performance and excellent weld seam strength.

Outstanding corrosion protection

The hot zinc application creates a strong intermetallic bond with the steel surface — not just a layer on top but real fusion of zinc and steel — ensuring long-term adhesion, mechanical stability and exceptional durability under demanding conditions.

Enhanced protection against white rust

A premium passivation layer on top of the zinc coating offers effective defence against white rust formation.

Premium surface quality and cleanliness

A dry, oil-free and clean exterior ensures smooth handling and compatibility with downstream processes such as coating, assembly and installation.

Application-specific internal protection

Depending on your needs, the tube interior is either temporarily protected by a dried synthetic emulsion or permanently protected with an internal zinc coating — ensuring the right level of protection for each application.

Reliable weld seam integrity

Our tubes are welded before galvanising, guaranteeing a smooth, uniform, invisible seam with excellent strength and consistent performance.

Excellent formability

The pre-heating process before zinc plating enhances the ductility of the weld seam and the tube, improving bendability.

Tight dimensional tolerances beyond standards

On request Contiflo® tubes can be manufactured with tighter outer diameter tolerances than those specified in EN 10305-3. This simplifies installation, improves fit accuracy and reduces assembly time and rework costs.

Proven performance through rigorous testing

Salt spray and copper sulfate tests demonstrated superior resistance to corrosion compared to competitor products.

Comprehensive quality assurance

Advanced inspection methods – including inline process monitoring, circumferential NDT, and full flattening and widening tests – ensure consistent product reliability and safety.

Tailored service and flexibility

Contiflo® tubes are available with customer-specific marking and/or bundling end caps, and customized lengths from 180 mm up to 10 m, enabling efficient integration into any production or installation process.

DELIVERY OPTIONS

Technical delivery condition

Precision tubes are supplied to EN10305 - 3.

Steel quality

Steel in accordance with EN10111 and EN10130.

Size range capability

Please refer to the next pages.

Profiles

The standard profiles are circular, square and rectangular, but other cross sections are also possible.

Zinc thickness ranges

- 7 – 12 µm as standard,
- 8 - 15 µm for HVAC
- 12 - 25 µm semi heavy duty
- >25 µm heavy duty

External protection

- The tube is protected against ferrous rust by a zinc layer.
- Durable protection of the zinc layer from white rust is provided by a passivating coating.

Internal protection

Depending on the product type ordered, internal temporary protection will be provided via a dried synthetic emulsion treatment or with the possibility of an internal zinc coating on request.

Corner radius (on profiles)

- 1.50 – 1.75 x wall thickness.

Bendability

- 2.0 – 2.5 x external diameter.

Lengths

- Standard from 4 – 10 m (-0/+50 mm on length tolerances as standard).
- Optional: lengths < 4m and other tolerances

Bundles

- Circular tubes supplied in hexagonal bundles or rectangular U-brackets
- Square and rectangular tubes in rectangular bundles.
- Customer-specific packing is possible.

Finishing options

On request: cutting, marking, caps etc.

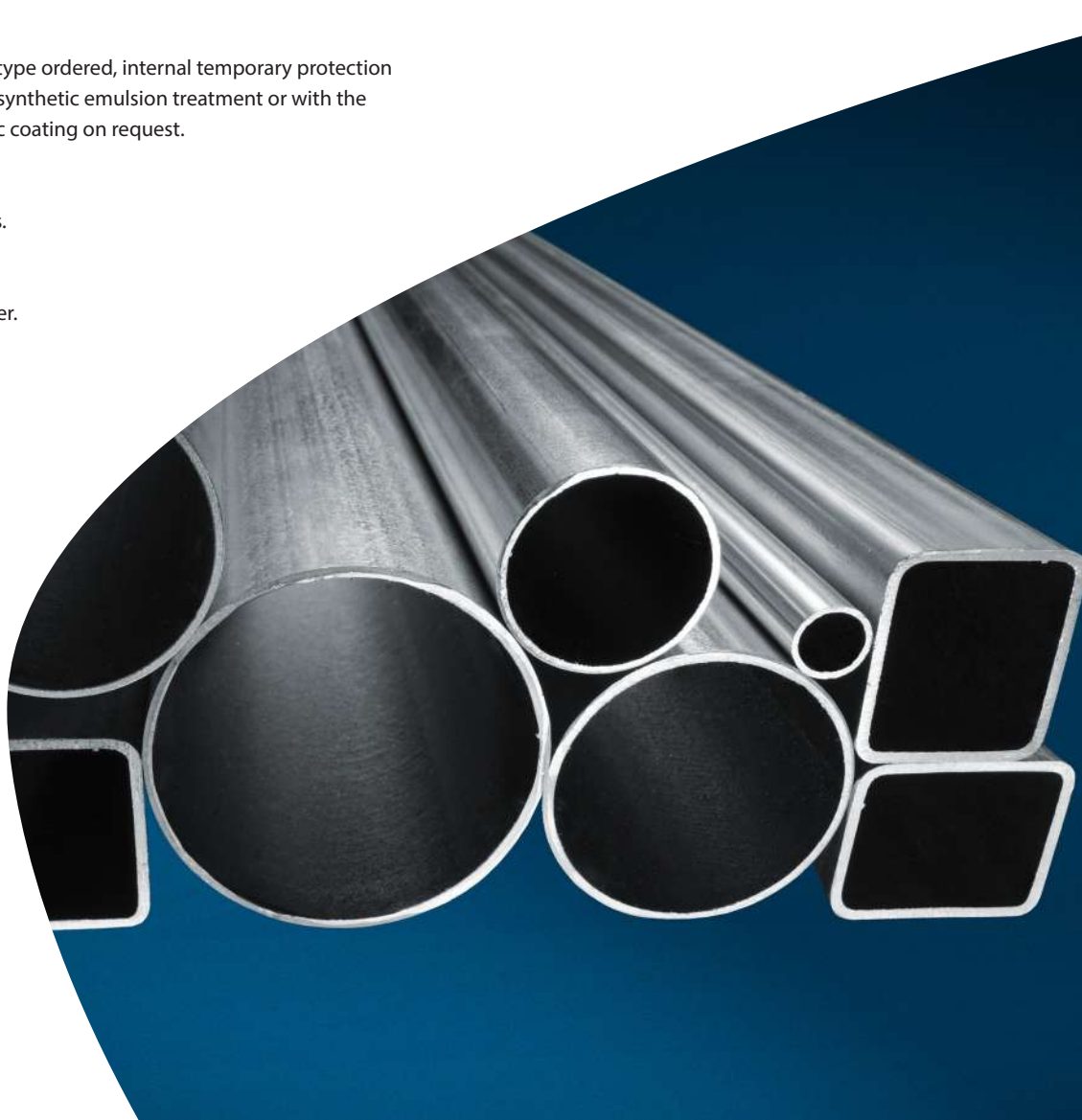
Other customised variants

Different qualities, dimensions and cross sections may be available upon request.

Additional technical support

For additional confirmation of size range and technical delivery conditions, we have a team of technical experts available to help.

Please contact us to discuss your requirements in full.



SIZE RANGE

Contiflo®
Circular

OD (mm)	gauge range T (mm)						
	0.80 - 1.00	>1.00 - 1.20	>1.20 - 1.50	>1.50 - 2.00	>2.00 - 2.50	>2.50 - 3.00	>3.00 - 3.50
10.00							
12.00							
12.70							
13.00							
14.00							
15.00							
16.00							
18.00							
19.00							
20.00							
22.00							
25.00							
25.40							
26.00							
26.70							
26.90							
27.00							
27.85							
27.90							
28.00							
30.00							
31.70							
32.00							
33.50							
33.70							
34.85							
35.00							
38.00							
42.00							
42.40							
45.00							
50.00							
54.00							
60.00							
66.70							
76.10							

- Available subject to minimum order quantities.
- Dependant on additional parameters, feasibility study required.

Additional custom dimensions are available upon request.
Please contact us to discuss your specific size requirements.

Contiflo®

Square and rectangular

H (mm)	B (mm)	gauge range T (mm)					
		0.80 - 1.00	>1.00 - 1.20	>1.20 - 1.50	>1.50 - 2.00	>2.00 - 3.00	>3.00 - 3.50
10.00	10.00						
12.00	12.00						
15.00	15.00						
16.00	16.00						
18.00	18.00						
19.00	19.00						
20.00	10.00						
20.00	15.00						
20.00	20.00						
25.00	15.00						
25.00	20.00						
25.00	25.00						
29.00	20.00						
30.00	10.00						
30.00	20.00						
30.00	25.00						
30.00	30.00						
33.00	20.00						
38.00	20.00						
40.00	20.00						

■ Available subject to minimum order quantities.

■ Dependant on additional parameters, feasibility study required.

Additional custom dimensions are available upon request.

Please contact us to discuss your specific size requirements.

www.tatasteelnederland.com/tubes

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