

EHEDG TRIPLE 0,8 Tubes and fittings



Mastering Purity



INOXCO EHEDG TRIPLE 0.8 - a complete product range without compromises

Very strict hygienic rules impede that food or pharmaceutical products become unhealthy or unsafe during the production process. Excellent cleanability of stainless steel components is key. Therefore a smooth surface of the stainless steel components that are used in the production line is required. The INOXCO EHEDG TRIPLE 0.8 range guarantees an internal and external roughness and roughness on the weld area of $Ra < 0.8 \mu m$.

The INOXCO EHEDG TRIPLE 0,8 product range includes:

- Tubes
 - Fittings (weld)
 - Butterfly valves
 - Reducers
 - Ferrules
 - Couplings
 - Bends
 - Tees
 - Hollow caps
- EHEDG certified tubes and TRIPLE 0.8 fittings ($Ra < 0,8 \mu m$)
 - Tubes and fittings cleanable according to EHEDG specifications
 - EN10357 Series A - EN10357 (DIN 11850 Practice Based Sizes)
 - Conformity statement CE1935/2004
 - Internal and external roughness mentioned on the material test report (MTR)
 - EN10204-3.1
 - Tubes and fittings directly available from stock

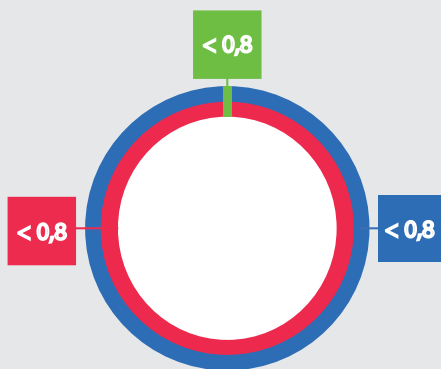
Technical specs

- Internal roughness: $< 0,8 \mu m$
- External roughness: $< 0,8 \mu m$
- Roughness on the weld area: $< 0,8 \mu m$
- Annealed tubes and fittings annealed after forming
- Only available in quality 316L
- Orbital welding: fittings with straight ends directly available from stock



Advantages

- **Complete product range tubes (EHEDG certified) and fittings**
- **For a safe and hygienic production** according to the food-safety regulations
- **Significant lower cost of ownership** as a result of **reduced costs for maintenance, less energy consumption (shorter cleaning cycles)** and **less consumption of detergents**
- **Extreme traceability:** both marking on the component as on the certificate
- **Improved cleanability** thanks to the extreme surface smoothness
- **Hygienic packaging and stockage**
- **Reduced risk of contamination and corrosion**
- **Directly available from stock**



Roughness on the weld
 $Ra < 0,8 \mu m$

Weld factor V=1
The weld is as strong as the rest of the surface and equals the strength of a seamless tube.

Internal roughness
 $Ra < 0,8 \mu m$

Reduces contamination risk and improves cleanability.

External roughness
 $Ra < 0,8 \mu m$

Reduces the contamination risk from outside by preventing dirt from getting a grip on the surface (for example when opening the tube).

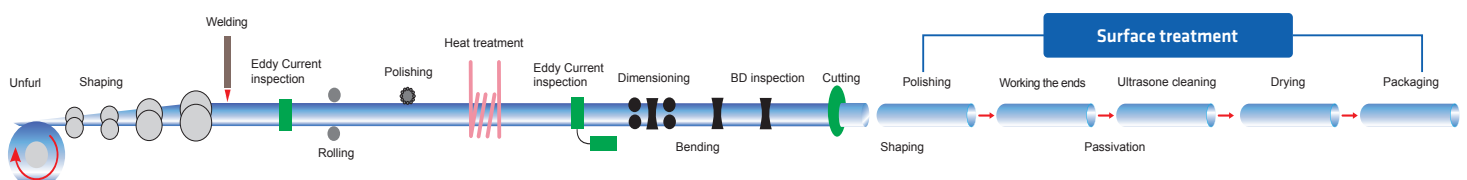


Only available in 316L

INOXCO EHEDG TRIPLE 0,8 tubes and TRIPLE 0,8 fittings are only available in stainless steel 316L. This austenitic chromium-nickel stainless steel quality offers a superior corrosion and heat resistance compared to other qualities.

Ultrahygienic production process

The state-of-the-art production process of INOXCO EHEDG TRIPLE 0,8 tubes and fittings guarantees an outstanding quality level.



INOXCO EHEDG TRIPLE 0,8 - a complete product range without compromises

Traceability

- Permanent marking: heat number, dimensions, surface finish, material, execution number
- Marking both on tubes and fittings as well as on material test reports (MTRs)



Messer:	Gillain & Co nv/sa										
Load No.	5100116532										
Customer Order No.	A1401045-2										
Customer Part No.	BR369004HDG										
KL Part No.	A1480001GG0000534W										
Part Description.	EN10357 BD WLD TUBING 53X1.5 316L										
Material.	316L										
Quantity.	336.00 M										
Date of Certificate.	2014.06.23					Cert. No./Job No.	0000348810				
Raw Material Specification (weight%)											
Heat Number	C	Si	Mn	P	S	Ni	Cr	N	Mo	Material Standard	
S641598 0530	0.020	0.500	1.380	0.033	0.001	10.080	16.580	0.012	2.100	EN10357:2013/EN10217-7 1.4404	
Mechanical Test											
Heat Number	Yield	Rp 0.2	Yield	Rp 1.0	Tensile Strength		Hardness	Reduction of Area	Elongation (l)	Impact Test	
	MPa (N/mm2)	KSI	MPa (N/mm2)	KSI	MPa (N/mm2)	KSI	HB/HRB/HV	%	%	20 °C~J	
S641598 0530	365.000	52.925	N/A	N/A	640.000	92.800	126.600H B	N/A	51.000	N/A	
Mechanical Test Continuation											
Heat Number	Eddy Current Test	Flaring Test	Flattening Test	Bend Test	Intergranular Corrosion Test						
S641598 0530	OK	OK	OK	OK	OK						
Other Analysis And Inspection											
Visual & Dimensional Test	Material Identification Test	Ra Max Value (ID/OD)									
OK	OK	0.42/0.70									

Execution number

The execution number is permanently marked on the component.

316L

The EN10204-3.1 MTR mentions the stainless steel quality.

Standard

Heat number

The MTR clearly mentions the heat number.

Internal/external roughness

In this example the maximal internal Ra is 0.42/0.70 µm

Clear markings on the inoxco EHEDG TRIPLE 0.8 components and MTR (Material Test Report) ensure that the INOXCO EHEDG TRIPLE 0.8 parts are easily traceable.

Other EHEDG products available:

- EHEDG butterfly valve: weld/weld, weld/thread, thread/thread available both in 304L and 316L; standard EPDM seal (silicone and viton also available); 2 way-positioning handle, optionally extendable with actuator and indication unit
- EHEDG spray balls
- EHEDG conformity: membrane pump, lobe pumps, centrifugal pump

< 0,8

< 0,8

< 0,8



Gillain & Co

HYGIENIC EQUIPMENT FOR FOOD & LIFE SCIENCES



Packaging and storage

Food-safe components must **not only be manufactured according to the most stringent criteria**, they also have to be **handled, packed and stored in optimal circumstances**. Gillain & Co sets the highest standards for storage and manipulation of stainless steel tubing and parts by storing in a dry and dust-free warehouse. INOXCO EHEDG TRIPLE 0,8 tubes are **separately packed in plastic film**. Tube and component **ends are covered with plastic end-caps**. This prevents corrosion and the infiltration of impurities, insects and bugs in the unprotected openings of the parts during transport.



Price quote or more info?

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www.gillain.com

INOXCO EHEDG TRIPLE 0,8

EN10357 Series A (DIN 11850 Range 2) - 316L annealed and outside polished

OUTSIDE DIAMETER (MM)	WALL THICKNESS (MM)	NOMINAL OUTSIDE DIAMETER	NOMINAL WALL THICKNESS
13,00	1,50	DN10	Range 2
19,00	1,50	DN15	Range 2
23,00	1,50	DN20	Range 2
29,00	1,50	DN25	Range 2
35,00	1,50	DN32	Range 2
41,00	1,50	DN40	Range 2
53,00	1,50	DN50	Range 2
70,00	2,00	DN65	Range 2
85,00	2,00	DN80	Range 2
104,00	2,00	DN100	Range 2

EN10357 (DIN 11850 Practice Based Sizes) - 316L annealed and outside polished (BD)

OUTSIDE DIAMETER (MM)	WALL THICKNESS (MM)	NOMINAL OUTSIDE DIAMETER	NOMINAL WALL THICKNESS
28,00	1,50	DN25	
34,00	1,50	DN32	
40,00	1,50	DN40	
52,00	1,50	DN50	



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