

**Stainless steel welded tubes (Food, Pharma)**
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Standard	Description	Outside diameter	Ra internal / Ra weld	Ra external	Wall thickness	304	304L	316	316L
<b>EN10357 Serie A</b> (DIN 11850 Range 2)	annealed, not annealed, polished, not polished	13/19/23/29/35/41/53 x 1.5 mm 70/85/104/129/154/204 x 2 mm	≤ 0.8 / 1.6 - CL1	1.0	1.5 mm, 2 mm		●		●
<b>EN10357 Serie B</b> (DIN 11850 Range 1) <i>Not in the table. but available</i>	annealed, not annealed, polished, not polished	12/18/22/28/34/40/52 x 1 mm	≤ 0.8 / 1.6 - CL1	1.0	1 mm		●		●
<b>Practice based</b> <i>Not in the table. but available</i>	annealed, not annealed, polished, not polished	12/18/22/28/34/40/52 x 1.5 mm	≤ 0.8 / 1.6 - CL1	1.0	1.5 mm		●		●
<b>EN10357 Serie D</b> (SMS 3008)	annealed, not annealed, polished	25/38/51 x 1.2 mm 63.5/76.1 x 1.6 mm 101.6 x 2 mm	≤ 0.8 / 1.6 - CL1	1.0	1.2 mm, 1.6 mm, 2 mm		●		●
<b>EN10357 Serie D</b> (Dutch dairy) <i>Not in the table. but available</i>	annealed, not annealed, polished	25.4 x 1.25 mm 25.4/38.10 /50.80/63.50/76.1 x 1.5 mm 101.6 x 2 mm	≤ 0.8 / 1.6 - CL1	1.0	1.25 mm, 1.5 mm, 2 mm		●		●
<b>EHEDG TRIPLE 0.8</b> (DIN 11866 H3o)	annealed, polished	13/19/23/29/35/41/53 x 1.5 mm 28/34/40/52 x 1.5 mm 70/85/104 x 2 mm	< 0.8 / 0.8 - CL2	0.8	1.5 mm, 2 mm				●
<b>HST-Q - EN10357 Serie A</b> (DIN 11850 Range 2 - W2Ab)	annealed, pickled, polished	23/29/35/41/53 x 1.5 mm 70/85/104/129/154/204 x 2 mm	≤ 0.8 / 0.8 - CL2	0.8	1.5 mm, 2 mm		●		●
<b>ASME BPE SF1</b>	annealed, polished	12.7/19.05/25.4/38.1/50.8/63.5/76.2 x 1.65 mm 101.6 x 2.11 mm 152.4 x 2.77 mm	≤ 0.51/0.51	0.8	1.65 mm, 2.11 mm, 2.77 mm				●
<b>ASME BPE SF4</b>	annealed, polished	12.7/19.05/25.4/38.1/50.8/63.5/76.2 x 1.65 mm 101.6 x 2.11 mm	≤ 0.38/0.38	0.8	1.65 mm, 2.11 mm				●
<b>DIN 11866 Range C</b> (DIN 11866 H3o)	annealed, polished	12.7/19.05/25.4/38.1/50.8/63.5/76.2 x 1.65 mm 101.6 x 2.11 mm 152.4 x 2.77 mm	≤ 0.51/0.51	0.8	1.65 mm, 2.11 mm, 2.77 mm				●
<b>DIN 11866 Range C</b> (DIN 11866 HE4o)	annealed, polished	12.7/19.05/25.4/38.1/50.8/63.5/76.2 x 1.65 mm 101.6 x 2.11 mm	≤ 0.38/0.38	0.8	1.65 mm, 2.11 mm				●

**Stainless steel welded fittings (Food, Pharma)**

Standard	Description	Outside diameter	Ra internal / Ra weld	Ra external	Wall thickness	304/304L	316	316L
<b>DIN 11851</b>	couplings (weld, expanding)	13/19/23/29/35/41/53 x 1.5 mm 70/85/104/129/154/204 x 2 mm	≤ 0.8/1.6	1.0	1.5 mm, 2 mm	●		●
<b>EN10374 (DIN 11852) &amp; DIN 32676</b>	bends, tees, reducers bottoms, ferrules heavy duty clamps, seals	12/18/22/28/34/40/52 x 1.5 mm 13/19/23/29/35/41/53 x 1.5 mm 70/85/104/129/154/204 x 2 mm	≤ 0.8/1.6	1.0	1.5 mm, 2 mm	●		●
<b>BS-4825</b>	bends, tees	25.4/38.1/50.8/63.50/76.20 / x 1.6 mm 101.60 x 2 mm	≤ 0.8/1.6		1.6 mm, 2 mm			
<b>SMS</b>	couplings, bends, tees, reducers, bottoms, ferrules heavy duty clamps, seals	25/38/51 x 1.20 mm 63.5/76.1 x 1.60 mm 101.60 x 2 mm	≤ 0.8/1.6	1.0	1.2 mm, 1.6 mm, 2 mm	●		●
<b>Nederlandse Zuivel</b>	bends, tees	25.4 x 1.25 mm 25.4 /38.10/50.80/63.50/76.1 x 1.65 mm 101.60 x 2 mm	≤ 0.8/1.6	1.0	1.2 mm, 1.5 mm, 2 mm	●		●
<b>DIN 11864 FORM A</b> 1 screw coupling 2 flange coupling 3 clamp coupling	<b>HYGIENIC COUPLINGS</b> 1 nut, welding cone, thread piece, O-ring 2 male flange, female flange, O-ring 3 clamp, ferrules, O-ring	According to DIN/ISO/INCH	< 0.8/0.8	0.8	DIN 1.5 mm, 2 mm / ISO 1.6 mm, 2 mm, 2.3 mm / INCH 1.65 mm, 2.11 mm			●
<b>EHEDG TRIPLE 0.8</b>	bends, tees, reducers, bottoms, ferrules, heavy duty clamps	12/18/22/28/34/40/52 x 1.50 mm 13/19/23/29/35/41/53 x 1.50 mm 70/85/104/129/154/204 x 2 mm 25/38/51 x 1.20 mm 63.5/76.1 x 1.60 mm 101.60 x 2 mm	< 0.8/0.8	0.8	1.5 mm, 2 mm  1.2 mm, 1.5 mm, 1.6 mm, 2 mm	●		●
<b>HST-Q</b>	bends, tees	13/19/23/29/35/41/53 x 1.50 mm 0/85/104/129/154/204 x 2 mm	≤ 0.8 / 0.8	0.8	1.5 mm, 2 mm			●
<b>ASME BPE SF1</b>	bends, tees, reducers, bottoms, ferrules, heavy duty clamps	12.7/19.05/25.4/38.1/50.8/63.5/ 76.2 x 1.65 mm 101.6 x 2.11 mm 152.4 x 2.77 mm	≤ 0.51/0.51	0.8	1.65 mm, 2.11mm, 2.77 mm			●
<b>ASME BPE SF4</b>	bends, tees, reducers, bottoms, ferrules, heavy duty clamps	12.7/19.05/25.4/38.1/50.8/63.5/ 76.2 x 1.65 mm 101.6 x 2.11 mm	≤ 0.38/0.38	0.8	1.65 mm, 2.11 mm			●
<b>DIN 11865 Range C</b> (DIN 11866 H3o)	bends, tees, reducers, bottoms, ferrules, heavy duty clamps	12.7/19.05/25.4/38.1/50.8/63.5/ 76.2 x 1.65 mm 101.6 x 2.11 mm 152.4 x 2.77 mm	≤ 0.51/0.51	0.8	1.65 mm, 2.11 mm, 2.77 mm			●
<b>DIN 11865 Range C</b> (DIN 11866 HE4o)	bends, tees, reducers, bottoms, ferrules, heavy duty clamps	12.7/19.05/25.4/38.1/50.8/63.5/ 76.2 x 1.65 mm 101.6 x 2.11 mm	≤ 0.38/0.38	0.8	1.65 mm, 2.11 mm			●

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### Stainless steel welded tubes (Industry, Construction)

Standard	Description	Outside diameter	Ra internal / Ra weld	Ra external	Wall thickness	304	304L	316	316L	
ASTM A312 (SCH10/SCH40)	annealed, not polished	DN ¼" through DN 6"	N/A		1.65 mm through 7.11 mm		●		●	
ISO 1127 Serie 1	not annealed, not polished	21.3/26.9/33.7/42.4/48.3/60.3/76.1/88.9/114.3/139.7/168.3/219.1 x 2 mm			1.6 mm through 2 mm		●			●
Seamless precision tubes EN10216-5	annealed	6 x 1mm 8 x 1mm			10 x 1.5 mm 12 x 1.5 mm 15 x 2 mm	1 mm through 2 mm			●	
Round construction tubes	not polished, polished	Ø 21.30 mm t/m Ø 168.3 mm			1 mm through 4 mm			●		
Square construction tubes	matt, exterior cut 320 - only 304L	10 mm x 10 mm through 120 x 120 mm			1 mm through 6 mm			●		
Rectangular construction tubes	matt, exterior cut 320 - only 304L	20 mm x 10 mm through 180 mm x 60 mm			1 mm through 5 mm			●		

### Stainless steel welded fittings (Industry)

ASTM A403 (SCH10S/SCH40S)	bends, tees, reducers, welding collars, bottoms	DN ¼" through DN 6"	N/A		1,65 mm through 7,11 mm	●		●
EN10253-3	bends, tees, reducers, welding collars, bottoms	21.3/26.9/33.7/42.4/48.3/60.3/76.1/88.9/114.3/139.7/168.3/219.1 x 2 mm			1,6 mm through 2 mm	●		●
BSP threaded fittings	forged/turned	DN ⅛" through DN 4"			10 bar			●
Cutting ring fittings	couplings, bends, tees, reducers	6 mm through 15 mm			100 bar			●

### Flexible hoses | Workshop (Food, Pharma, Industry)

- Food hoses, pharmaceutical hoses, industrial hoses, specials, couplings
- Own workshop: Crimping of coupling parts to hoses / Welding of special connections and couplings / Orbital welding (closed head) - automatic welding / Mechanical and electrolytic polishing of couplings and components / Pressure testing and certifying hoses on our press up to 4000 Bar / Inspection with our endoscope and pressure testing of hoses on-site / Laser engraving

### Pre-insulated pipes (Food)

- The core pipe material can be stainless steel, steel, or plastic.
- The outer jacket is available in aluminum, stainless steel, or plastic (HDPE).

### Stainless steel valves, filters, and sight glasses (Food, Pharma)

Description	Dimension
EHEDG butterfly valves	DN 25 through DN 150   DN 1" through DN 6"
Ball valves	DN 25 through DN 100   DN 1" through DN 4"
Check valves	DN 25 through DN 100   DN 1" through DN 4"
Filters	DN 25 through DN 100   straight or angle
Sight glasses	DN 10 through DN 150   DN ⅜" through DN 6"
Aseptic diaphragm valves	DN ½" through DN 4"
Single seat valves	DN 25 through DN 150   1" - 6"
Double seat valves	DN 40 through DN 150   1.5" - 6"
Sanitary 3-way-valves	DN 10 through DN 150   1" - 4"
Angle valves	DN 25 through DN 150   1" - 6"
Sampling valves	DN 6 - DN1 0 - DN 15 - DN 25
Control and safety valves	

### Stainless steel valves (Industry)

Description	Dimension
Ball valves	DN 25 through DN 100   DN ¼" through DN 4"
Check valves	DN ¼" through DN 1.5"

### Stainless steel tube supports

Description	Execution	Dimension	Wall thickness
Tube supports (sets) with threaded rod / square tube U-bolts	Light and solid	Ø 6 mm through 219.1 mm	2 mm through 5mm

### Flanges and seals

Standard	Description	Dimension
EN1092-1 Stainless steel	Welding neck flange (11B)	PN10/ PN16 /PN40
	Slip-on flange (01A)	
	Blind flange (05A)	
	Threaded flange (13B)	
Aluminium	Lap-joint flange (02A)	PN10



### Stainless steel bars and profiles (Industry)

Description		Dimension	Thickness
Flat	Slit or rolled steel	20 mm through 120 mm	3 mm through 10 mm
Round	Drawn or rolled steel	3 mm through 30 mm	
L-profile equal	Rolled steel	20 mm through 70 mm	3 mm through 7 mm

### Manholes - Stainless steel / Steel

- Round, oval, rectangular, square, customized (on request)
- Pressure up to 10 bar, pressureless

## Process Equipment for the Food and Pharmaceutical Industry

- In addition to stainless steel components, Gillain & Co distributes a full range of process equipment from top global manufacturers, specifically designed for the food and pharmaceutical industries. This includes pumps, valves, automation, instrumentation, heat exchangers, pigging systems, rupture disks, tank equipment (mixers, agitators, load cells, cleaning systems, spray balls, sampling valves, container emptying, automatic can openers, wet mills, ...).
- As part of Heleon Group, Gillain & Co possesses a wealth of technical knowledge and experience for all applications in the (ultra)-hygienic process industry. Do you have a specific question or are you looking for the right pump, heat exchanger, or other process equipment that delivers maximal efficiency for your application? Need advice on process optimization, original replacement parts, production expansion, or a new project? Call us at +32 (0)3 870 60 80 or send an email to advice@gillain.com