

# TECHNICAL DATA SHEET

## (SILK LINEAR DRAIN)



### PRODUCT DESCRIPTION

For efficient drainage of water we manufacture different design of gratings with frame for bathroom, toilet, kitchen, swimming pool, hotel, laboratory, etc. without Corrossion/Rust in Acidic enviourment. Long drain makes drainage more sanitary.

### MATERIAL USED

Stainless Steel 316,304,430.

### KEY FEATURES

- Good Corrosion Resistance.
- Rapid Drainage, > 50 litre/min.
- Powder coating Thickness- 55 – 60 Microns.

### DIMENSIONS

Sr. No.	Description	Color	Length (±1.00mm)	Width (±1.00mm)	Thickness (±0.05mm)	Frame Height (±0.5mm)
	Frame	WHITE MATTE	305.00	100.00	1.00	31.50
	Grating		283.00	79.00	1.00	
	Frame		610.00	100.00	1.00	31.50
	Grating		588.00	79.00	1.00	
	Frame		915.00	100.00	1.00	31.50
	Grating		893.00	79.00	1.00	
	Frame		1220.00	100.00	1.00	31.50
	Grating		1198.00	79.00	1.00	
	Frame		305.00	127.00	1.00	31.50
	Grating		283.00	105.00	1.00	
	Frame		610.00	127.00	1.00	31.50
	Grating		588.00	105.00	1.00	
	Frame		915.00	127.00	1.00	31.50
	Grating		893.00	105.00	1.00	
	Frame		1220.00	127.00	1.00	31.50
	Grating		1198.00	105.00	1.00	

### STAINLESS STEEL GRADE 316

#### PHYSICAL PROPERTIES

- Density g/cm<sup>3</sup> : 7.90
- Hardness (HV5) : 200
- Safe Load Capacity (Kg) : 450

#### CHEMICAL PROPERTIES

- Superiorly Corrosion resistant.
- Acid resistant.
- Recommended to use in harsh environments.
- Heat resistance

### CHEMICAL COMPOSITION

Chemical Composition	CAS No.	% Weight
■ Carbon	7440-44-0	0.022
■ Chromium	7440-47-3	16.77
■ Iron	7439-89-6	67.91
■ Manganese	7439-96-5	1.761
■ Phosphorus	7723-14-0	0.039
■ Silicon	7440-21-3	0.359
■ Sulphur	7704-34-9	0.0055
■ Nickel	7440-02-0	10.24
■ Molybdenum	7439-98-7	2.074
■ Aluminium	7429-90-5	0.013
■ Cobalt	7440-48-4	0.21
■ copper	7440-50-8	0.403
■ Niobium	7440-03-1	0.019
■ Titanium	7440-32-6	0.0060
■ Vanadium	7440-62-2	0.069
■ Tungsten	7440-33-7	0.014
■ Tin	7440-31-5	0.012
■ Arsenic	7440-38-2	0.0075
■ Nitrogen	7727-37-9	0.066

### STAINLESS STEEL GRADE 304

#### PHYSICAL PROPERTIES

- Density g/cm<sup>3</sup> : 7.90
- Hardness (HV5) : 220
- Deformation Start At (KG) : 130

#### CHEMICAL PROPERTIES

- Standard Corrosion resistance
- Easy maintenance
- Not acid resistance

### CHEMICAL COMPOSITION

Chemical Composition	CAS No.	% Weight
■ Carbon	7440-44-0	0.065
■ Silicon	7440-21-3	0.330
■ Manganese	7439-96-5	1.030
■ Phosphorus	7723-14-0	0.041
■ Sulphur	7704-34-9	0.006
■ Chromium	7440-47-3	18.250
■ Molybdenum	7439-98-7	0.240
■ Nickel	7440-02-0	8.240
■ Aluminium	7429-90-5	0.0034
■ Cobalt	7440-48-4	0.220
■ Copper	7440-50-8	0.360
■ Niobium	7440-03-1	0.0079
■ Titanium	7440-32-6	0.004
■ Venadium	7440-62-2	0.006
■ Tungsten	7440-33-7	0.021
■ Tin	7440-31-5	0.008
■ Arsenic	7440-38-2	0.003
■ Boron	7440-42-8	0.0007
■ Nitrogen	7727-37-9	0.024
■ Iron	7439-89-6	71.140

### STAINLESS STEEL GRADE 430

#### PHYSICAL PROPERTIES

- Density(g/cm<sup>3</sup>) : 7.90
- Hardness (HV 5) : 175
- Deformation Start At (KG) : 130

#### CHEMICAL PROPERTIES

- Good Corrosion resistance
- Not acid resistance

### CHEMICAL COMPOSITION

Chemical Composition	CAS No.	% Weight
■ Carbon	7440-44-0	0.080
■ Chromium	7440-47-3	16.420
■ Iron	7439-89-6	81.990
■ Manganese	7439-96-5	0.680
■ Phosphorus	7723-14-0	0.027
■ Silicon	7440-21-3	0.290
■ Sulphur	7704-34-9	0.004
■ Nickel	7440-02-0	0.160
■ Molybdenum	7439-98-7	0.014
■ Aluminium	7429-90-5	0.080
■ Cobalt	7440-48-4	0.031
■ Copper	7440-50-8	0.097
■ Titanium	7440-32-6	0.0037
■ Tungsten	7440-33-7	0.004
■ Tin	7440-31-5	0.004
■ Nitrogen	7727-37-9	0.027
■ Arsenic	7440-38-2	0.003
■ Venadium	7440-62-2	0.081
■ Niobium	7440-03-1	0.004
■ Boron	7440-42-8	0.0003

### STORAGE RECOMEDATION

Store in a cool well ventilated place in original packing. Open packing while going to be used.

### NOTE

- Product is in compliance with substance of Very High Concern (SVHC) i.e. ≤ 0.1 %w/w as per the candidate list promulgated by the European Chemicals Agency (ECHA) which are defined in Article 57 of REACH Regulation (EC1907/2006) checked by Tuv-Nord Group.