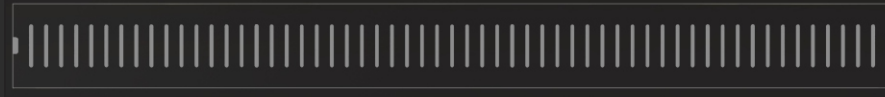


TECHNICAL DATA SHEET

(BAR 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 Corrosion/Rust in Acidic environment. 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 | BLACK MATTE | 305.00 | 100.00 | 1.00 | 31.5 |
| | Grating | | 283.00 | 79.00 | 1.00 | |
| | Frame | | 610.00 | 100.00 | 1.00 | 31.5 |
| | Grating | | 588.00 | 79.00 | 1.00 | |
| | Frame | | 915.00 | 100.00 | 1.00 | 31.5 |
| | Grating | | 893.00 | 79.00 | 1.00 | |
| | Frame | | 1220.00 | 100.00 | 1.00 | 31.5 |
| | Grating | | 1198.00 | 79.00 | 1.00 | |
| | Frame | | 305.00 | 127.00 | 1.00 | 31.5 |
| | Grating | | 283.00 | 105.00 | 1.00 | |
| | Frame | | 610.00 | 127.00 | 1.00 | 31.5 |
| | Grating | | 588.00 | 105.00 | 1.00 | |
| | Frame | | 915.00 | 127.00 | 1.00 | 31.5 |
| | Grating | | 893.00 | 105.00 | 1.00 | |
| | Frame | | 1220.00 | 127.00 | 1.00 | 31.5 |
| | Grating | | 1198.00 | 105.00 | 1.00 | |

STAINLESS STEEL GRADE 316

PHYSICAL PROPERTIES

- Density g/cm³ : 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/cm³ : 7.90
- Hardness (HV5) : 220
- Deformation Start At (KG) : 135

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/cm³) : 7.90
- Hardness (HV 5) : 175
- Deformation Start At (KG) : 140

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.