

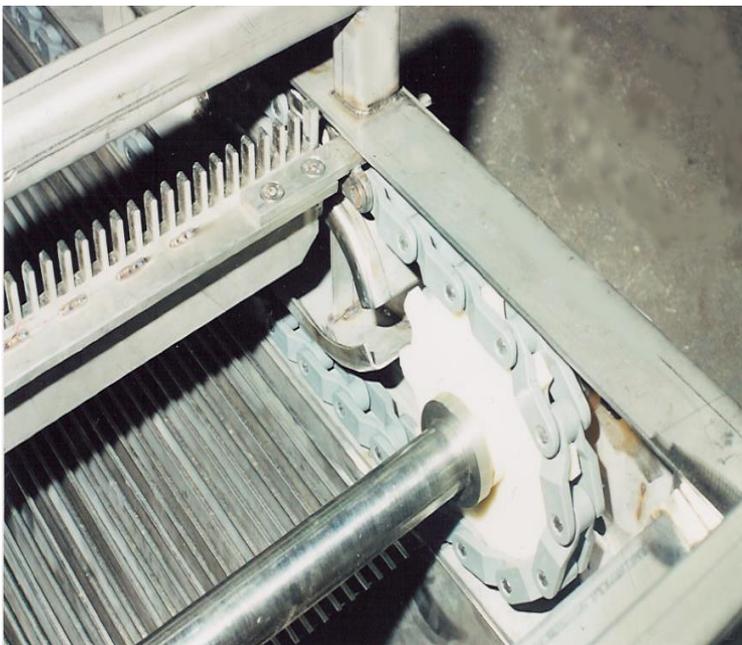
GENERAL DESCRIPTION

Type IBS/ Inclined bar screen

This type of automatic mechanical screen is one of the most reliable, heavy-duty solutions for the coarse screening of inlet works in Waste-Water Treatment Plants. The screen incorporates an 'over-load' protection mechanism and limit switches for scraper parking out of the water level.

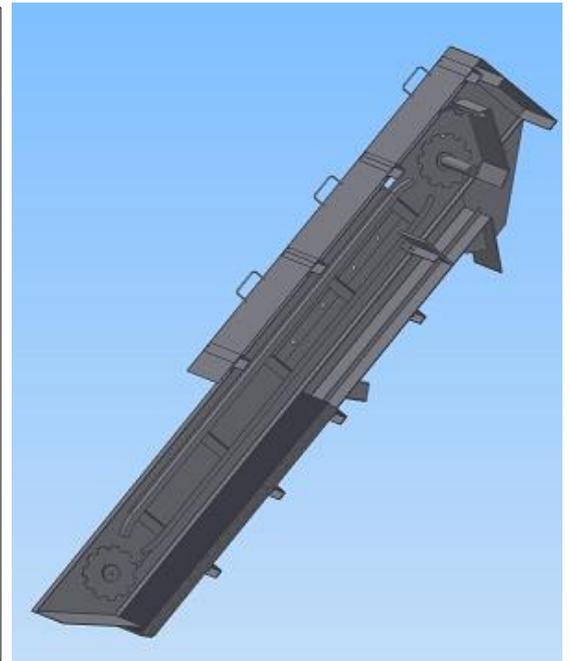
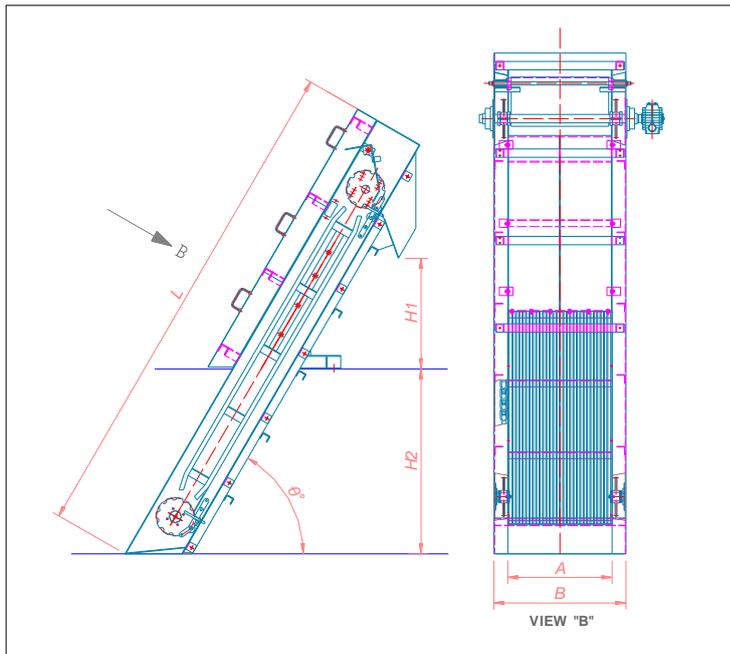
It is a self-cleaning screen made of stainless steel (**SS-304L** or **SS-316**). The "inclined bar-screen" is aimed for in-channel installation and is produced for channel widths between **(400 – 1500) mm** at heights **up to 3.5 m**. The screening openings may vary between **10 and 60 mm** according to requirements.

The drive chains are as standard from reinforced plastic with stainless steel pins and joints, or fully stainless as an option.



ADVANTAGES

- Automatic cleaning
- Reliable operation
- Simple operation and servicing
- Construction from stainless-steel
- Removable covers for odour prevention
- Large range of applications and sizes
- Occupies small space in the channel



TECHNICAL CHARACTERISTICS	UNIT	DIMENSIONS
TOTAL WIDTH (B)	m	0,4 ÷ 1,5
EFFECTIVE WIDTH OF SCREEN (A)	m	(B – 0,164)
CHANNEL DEPTH (H ₂)	m	0,4 ÷ 3,0
SCREEN OPENINGS (α)	mm	8 ÷ 60
DISCHARGE HEIGHT FROM FLOOR (H ₁)	m	0,5 ÷ 1,4
ANGLE OF INCLINATION (θ)	degrees	40 ÷ 75
TOTAL VERTICAL HEIGHT (H)	m	(H ₁ + H ₂ + 0,9)
GEAR-MOTOR POWER	KW	0,18 ÷ 0,55

- The exact equipment dimensions are provided upon specific request.
- The screening capacity in m³/h, the velocity through the bars in (m/sec) and the head loss in mm, are parameters that are calculated according to the design data and are given under specific request
- Special constructions, relating to the dimensions of the screen and the construction materials can be implemented upon agreement.

