

Section Mill

Project Engineering • Supply • Services



Section Mill

Starting stock

- Billets 100 x 100 x 12,000 mm
200 x 200 x 12,000 mm

Finished product

- Rounds 8 - 50 mm dia. and equivalent squares,
- hexagons and rebars:
Flats 38 x 5 - 100 x 15 mm
- Angles (equal legs):
32 x 4 - 70 x 6 mm
- Angles (unequal legs):
45 x 28 x 3 - 63 x 40 x 8 mm
- Channels 50 - 80 mm

Furnace capacity

- up to 200 t/h

Capacity

- 1,000,000 t/y

Finishing speeds

- up to 20 m/s

Material grades

- Carbon steels, Alloyed structural steel,
Antifriction bearing steel, Spring steel

Furnace group

- Charging grates (2x), weighscale, descaler, insulated holding tunnel

Mill train

- Single strand, H/V- arrangement, 6 mill stands are the H/V-type
- Roughing train: 2 x Model 670, 4 x Model 440
- Intermediate train: 6 x Model 390
- Finishing train: 6 x Model 390
- Associated shears
- Loopers: 6 x vertical

Cooling bed group

- Water cooling line, pinch roll unit
- Cooling bed shear
- Cooling bed 102 x 13 m

Continuous finishing shop

- In-line straightening machine (10 rollers),
- Flying cold shear
- Piling and stacking facilities (magnetic-type)
- Tying machines
- Various associated equipment, e.g. stoppers, chain transfers, roller tables etc.

