

## RAKING BRIDGE RECTANGULAR

#### Bridge frame:

- Hot rolled profiles with transverse and diagonal profiles;
- Hand railings:
  - Upper bar, height 1,10m above tread;
  - Intermediate bar at half height;
  - o Plinth, height 150mm, according to ARAB.

#### Wheel box:

- 4 guiding wheels each mounted on self-aligning ball bearings,
- dust- and waterproof;
- 4 side guide wheels to guide the bridge along the tank walls;
- All wheels are coated with the durable Vulkollan.

#### Drive unit:

- 2 of the supporting wheels are driven.
- Motor-gearbox :
  - Hollow shaft motor;
  - Closed gearbox filled with oil;
  - Hermetic motor IP55;
  - Isolation class F;
  - o Mounted on the outside of the bridge.

#### Bottom scrapers:

- Triangles suspended on the bridge;
- Angled pulling profiles, attached to the bottom scrapers;
- Bottom scraper blades with adjustable height;
- Suspended by stainless steel cables to the cable drums.

#### Surface scrapers:

• Suspended to the triangular profiles.

#### **Drive system scrapers:**

- Hollow shaft gearbox motor, oil filled, motor IP55;
- Isolation class F;
- Fitted with electrical brake motor;
- Cable drums with grooved surface;
- All bearings can be greased from the surface of the bridge.





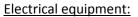




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### Materials:

- Bridge: steel, with surface protection:
  - Sandblasting SA 2 ½;
  - Zinc spraying;
  - Epoxy painting 2 layers;
  - o Surface finish: 2 component polyurethane paint;
  - o Standard color: Emerald green, RAL6001
- All parts in contact with water: AISI 304



- All limit switches: type inductive proximity switches;
- Complete electrical control box with contactors, fuses, automatic switches, signal lamps;
- Complete wiring on the bridge;
- Electrical supply line.



