

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;
 - 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;
 - 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;
 - Surface finish: 2 component polyurethane paint;
 - Standard color: Emerald green, RAL6001
- All parts in contact with water: AISI 304



Electrical equipment:

- 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.