

RAKING BRIDGE CIRCULAR

Bridge frame:

- * steel frame with crossbeams as reinforcement;
 - * Hand railings:
 - * Upper bar, height 1,10m above tread;
 - * Intermediate bar at half height;
 - * Plinth, height 150mm, according to ARAB;
 - * Width: 1m between handrails.
- * Easily accessible slipping collector;
- * Galvanized gratins for an overload of 300kg/m²;

Wheel box:

- * Central bearing of large diameter;
- * Lubrication possible from the walkways;
- * 2 wheels whit 1 drive wheel;
- * All wheels are coated with the durable Vulkollan.

Drive unit:

- * 1 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 scraper:

- * Rigid suspension structure;
- * Bottom scraper blades with adjustable height.

Surface scrapers:

- * Mounted on the frame;
- * Form: inclined to the center line of the bridge, for guiding of floating particle to the outside of the tank;
- * Hinging part to guide the floating substances into a hopper.

Materials:

- * Bridge: steel, with surface protection
 - * Sandblasting SA 2 ½;
 - * Zinc spraying;
 - * Epoxy paint 2 layers;
 - * Standard color: Emerald green, RAL6001
- * All parts in contact with water: AISI 304.

Electrical equipment's:

- * Obstacle detection;
- * Wheel slip detection;
- * Emergency stop;
- * Complete cabling up to the slipping collector.

