

PONT RACLEUR CIRCULAIRE

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.



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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.

