

CLAMSHELL BUCKET

Description:

Joints of cable-operated clamshell bucket

Conditions of use:

- Speed: oscillating move with low speed (around 0,005 m/s)
- Dynamic contact pressure: 20 to 50 MPa
- Temperature: ambient
- Shocks and abrasion
- Lubrication: periodic

Previous solution:

- Pin: Case hardened steel
- Bearing: Case hardened steel bushings or standard 100 Cr6 spherical bushings

→ Problem: seizure and wear and sometimes breakage of the outer ring of the spherical bushings

HEF solution:

- Pin : Superficial quenched pins
- Bearing : Mangachoc or FAM bushings or Mangachoc spherical bushings

→ Life time increased by 2 and only initial greasing required

Customers:

International Equipement Verdun

Sollac Atlantique

Sollac Méditerranée

Lafarge

Calcia

