

# MIXER (Working part) - GENERAL OVERHAUL

## Overhaul procedure:

1. Disassembling and washing of all parts
2. Determining of shape and measures for all damaged parts
3. Tightness examination for all cooling parts
4. Creation of technical documentation for manufacturing
5. Creation of user manuals, for customer
6. Manufacturing
7. Final examination
8. Anti-corrosive protection and packing

## Overhaul results:

Restoring of all parts and assemblies to functional level, as in initial installation; which includes:

- shape tolerances
- measure tolerances
- abrasive resistance

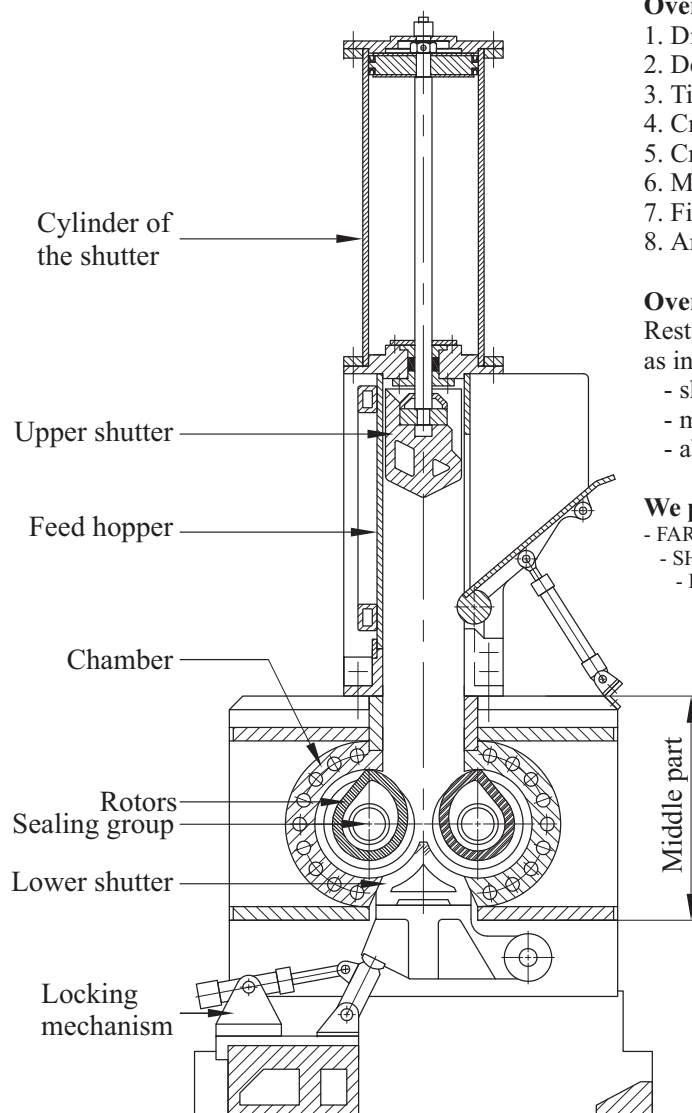
## We perform general overhaul for mixers:

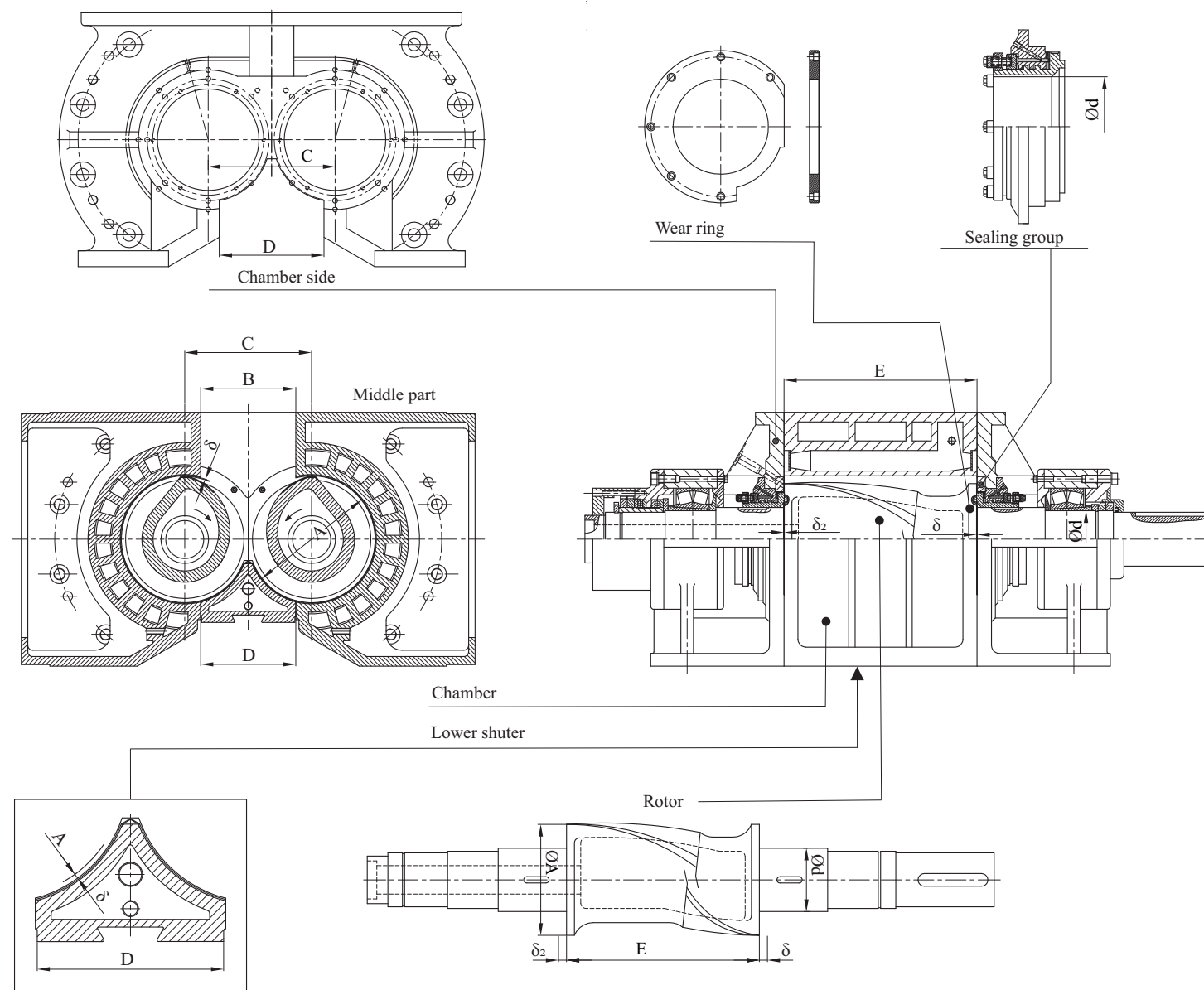
- |                       |                     |
|-----------------------|---------------------|
| - FARREL              | - KRAUSS MAFFEI     |
| - SHAW                | - GUIX              |
| - REPIQUET            | - ERMAFA (TRUSIOMA) |
| - MECCHANICHE MODERNE | - BUZULUK           |
| - COMERIO ERCOLE      | - БОЛЬШЕВИК         |
| - WERNER PFLEIDERER   | - ...               |

## Example of completed overhaul:

Type: EKN230, volume 230 dm<sup>3</sup>  
Manufacturer: ERMAFA (TRUSIOMA)  
**Condition: worn/damaged**

1. Cylinder of the shutter:
    - increasing of the diameter +1,5 mm
    - reconstruction of piston, production of new guides
    - designing and production of new piston gaskets
  2. Upper shutter:
    - repair of cracks on working part
    - repair of wear on working part
    - repair of wear on guides
  3. Feed hopper:
    - repair of wear on guides
  4. Chamber:
    - repair of cracks on working part
    - repair of wear on working part
    - repair of wear on place of sealing group
  5. Rotors:
    - repair of wear on radial bearing sleeve
    - repair of wear on working part
  6. Sealing group:
    - reconstruction of lubrication and creation of drawing for all parts
    - production of all parts
  7. Lower shutter:
    - repair of cracks on working part
    - repair of wear on working part
  8. Locking mechanism:
    - repair of wear on piston, and batten
  9. Oil dispenser:
    - designing and creation of drawings (a new technical solution)
    - production of new oil dispenser
  10. Miscellaneous:
    - reconstruction of chambers fixture
    - replacement of radial bearings
    - replacement of rotary joints for delivery of cooling water
    - washing of a limescale, all surfaces that are cooling
- Attachment: photographs











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