

SWING CIRCLE ASSEMBLY

- Slew Bearing

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- Swing Gear Assembly

- Roller Bearing

- Ball Bearing

- Hook roller design

- King-post design

- Flange

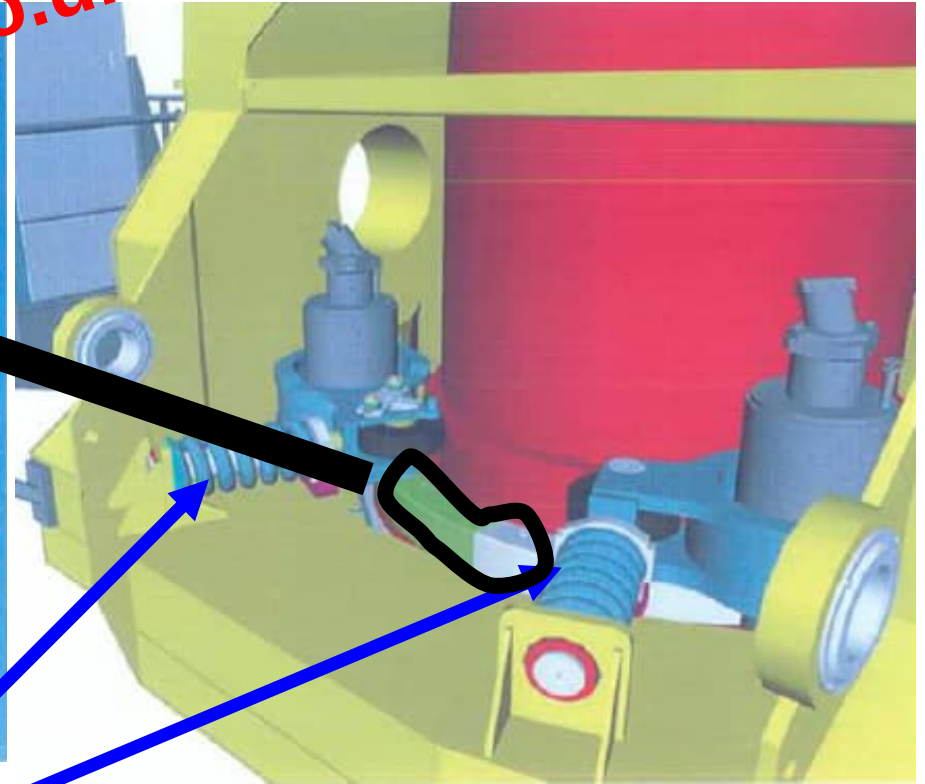
- Swing lock (Optional)



Slew Gear

Mating flange

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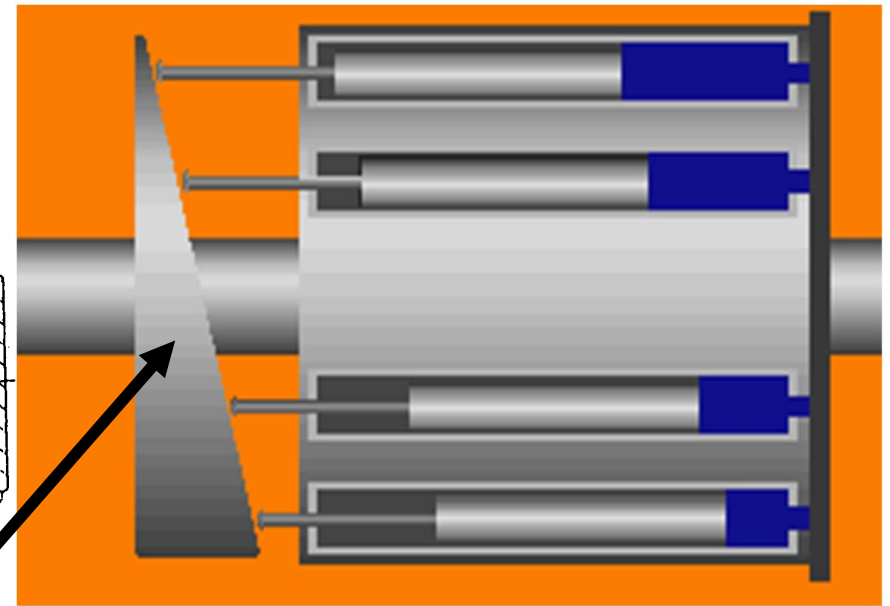
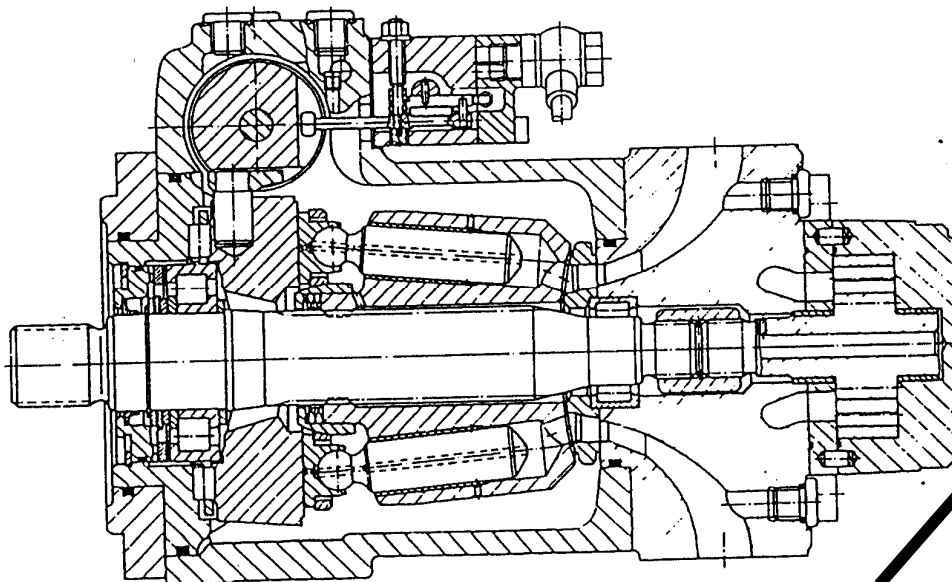
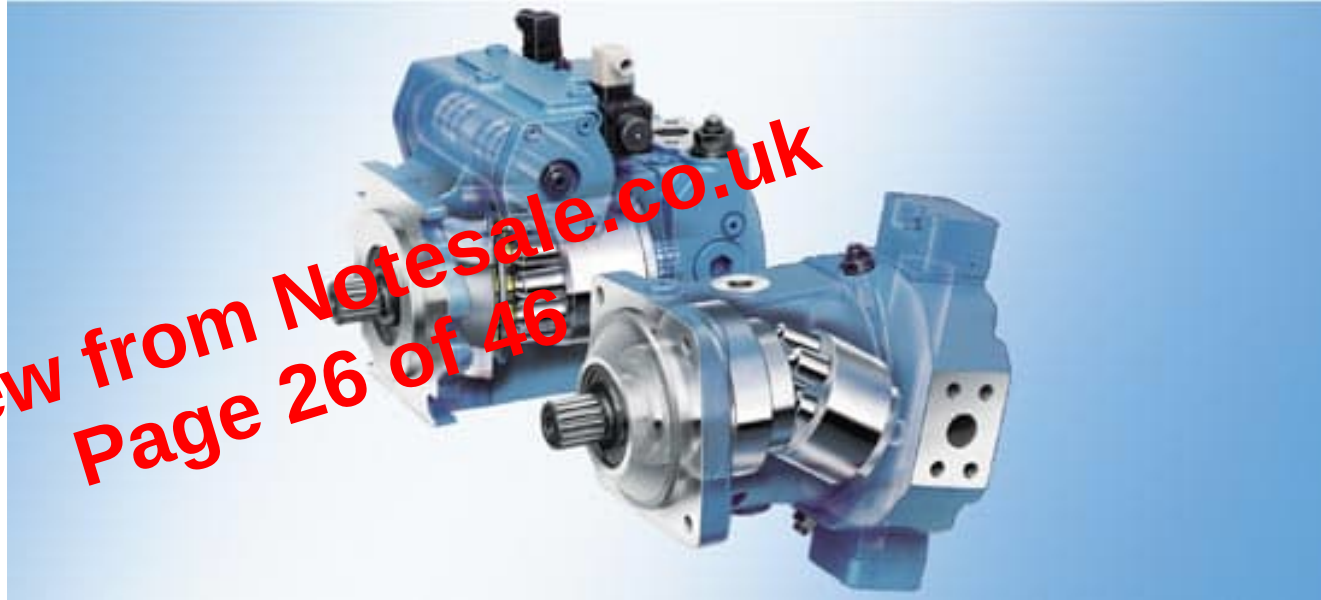


Slew gear suspension system to
avoid backlash in mating gears

Slew Gear arrangement for **Type-C** Crane

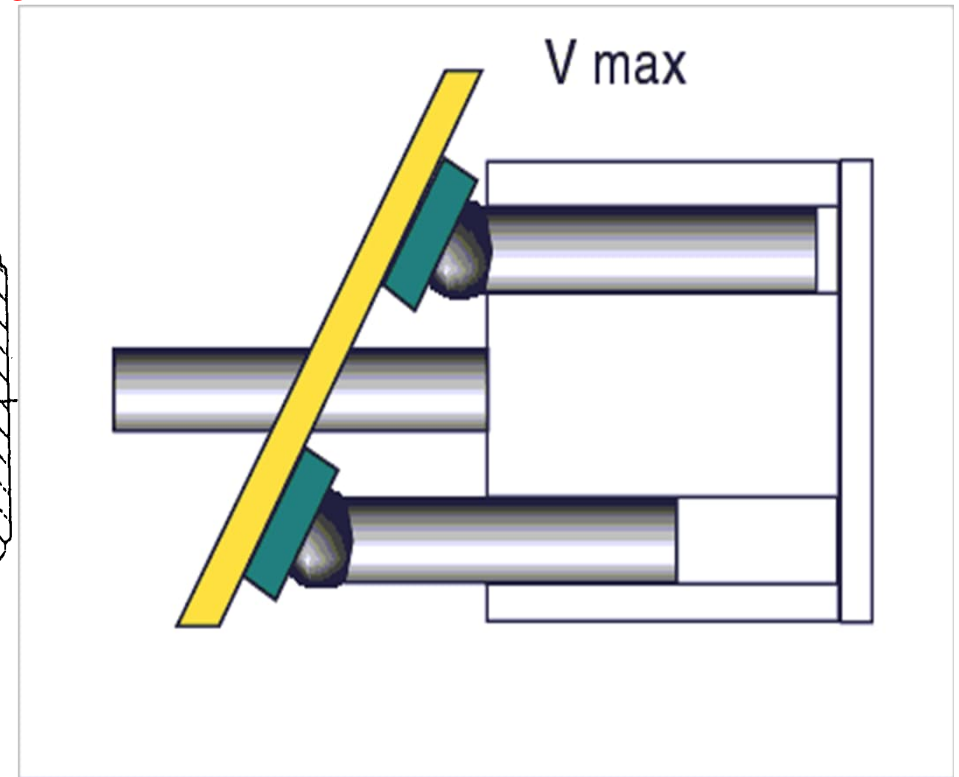
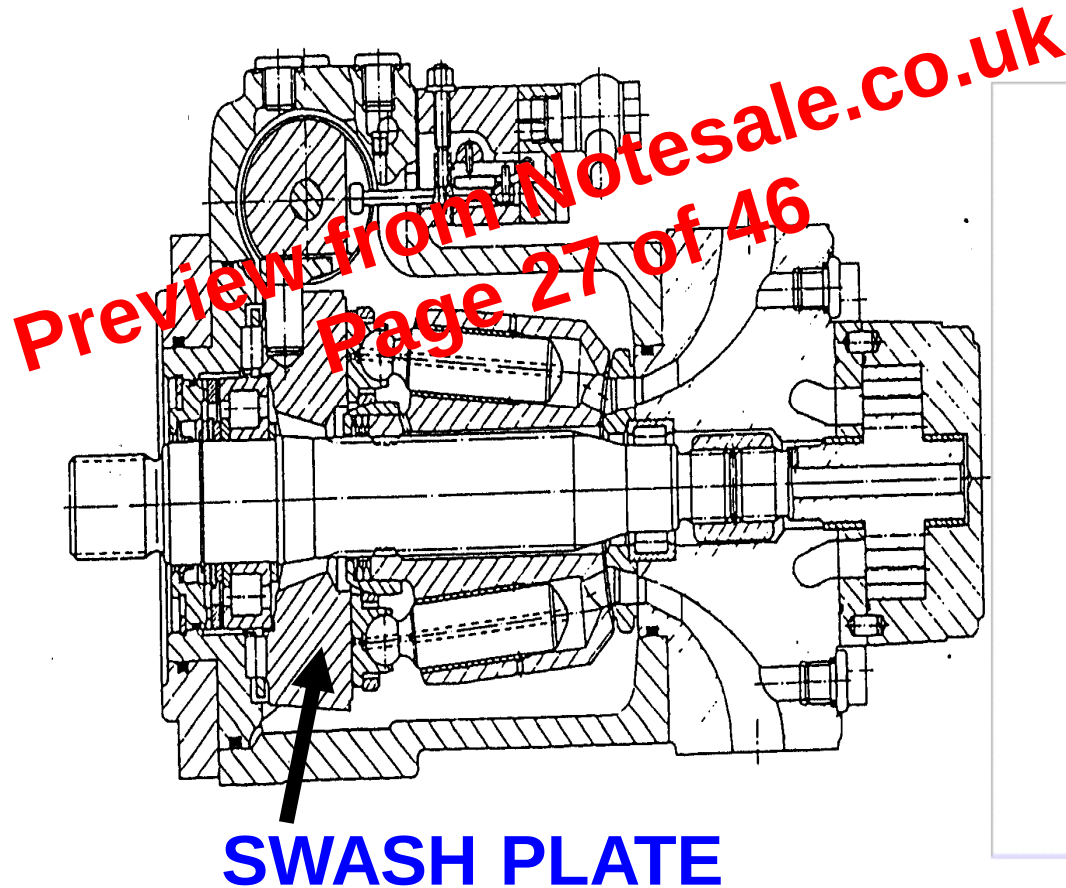
Hydraulic Pump: Axial Piston

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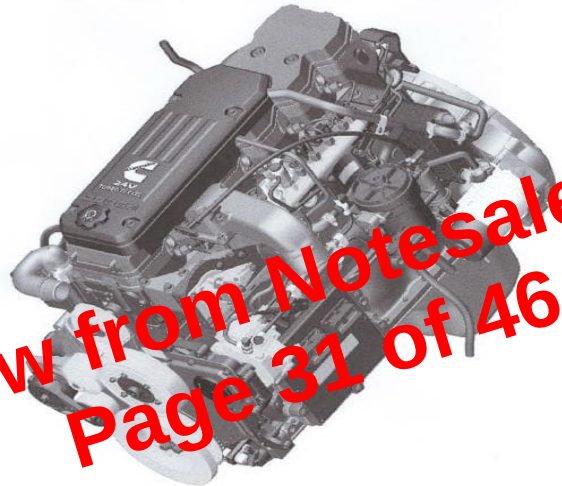
**Fixed Swash Plate for fixed displacement for
open loop hydraulic circuit**

AXIAL PISTON VARIABLE DISPLACEMENT HYDRAULIC PUMP



The angle of the swash plate determines the stroke of the pistons and therefore the displacement of the pump.

API-2C Power Plant: Diesel engine



To be de-rated
according to
ISO:3046

API-2C Check!

- Gasoline Engines are not allowed
- Diesel engine and generator to meet EEMUA 107 requirements
- Exhaust system with spark arresting silencer, rain hood & water-cooled exhaust jacket.
- Fuel system consists of fuel supply pump from fuel storage tank to engine day tank, diesel engine fuel day tank, necessary valves, filters, instruments etc

API-2C Check!

Crane Ratings



- **API-2C establishes ratings for onboard and off-board lifts.**
- **Offshore cranes are subjected to a variety of loadings due to the environment including vertical loads, offload, sideload , wind loads and others.**

API-2C Operational Tests

- Main & Auxiliary line load tests at various radii.
- Speed test for mainline, boom luff and swing.
- Swing & free swing tests.
- Overload test (1.33 times rated capacity), or as otherwise specified by the purchaser.
- Anti-two block tests.
- Upper and lower boom kick out tests.
- Engine functional tests