

FLIPPER ARM FLAT SHAFT

DESCRIPTION

The Bromma Flipper Arm Flat Shaft Collar upgrade may be applied to all ship-to-shore spreaders for increased flipper strength and durability. The enhanced design is based on two flat surfaces on the outgoing gearbox axis, which

connect with a corresponding collar design on the flipper arms for efficient and safe torque transmission.

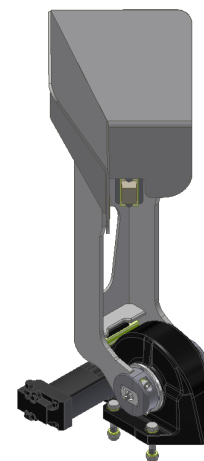
Benefits of having the Flipper Arm Flat Shaft design upgrade:

- Reduces downtime and increases productivity.
- Increases dependability.

SCOPE OF WORK

The scope of work for the supply and installation of the Flipper Arm Flat Shaft design upgrade includes:

- Dismantle the Flipper Arm
- Dismantle the Gearbox
- Install a new Flipper Arm
- Install a new internal Gearbox part
- Test all functions
- Revise drawings
- Revise spreader manuals



Flat Shaft on the Flipper Arm

Flipper Arm Flat Shaft

PARTS INCLUDED

The following parts are included in the Flipper Arm Flat Shaft upgrade offer:

- Flipper Arm
- Shaft
- Bearing Assembly
- Bearing GE70ES 2RS
- Key 20 x 12 x 45
- Screw MLC6S 8 x 16
- Washer Nord-Lock M8

ADDITIONAL ITEMS INCLUDED IN WORK SCOPE

The following additional items are included in the Flipper Arm Flat Shaft upgrade:

- Flipper Arm Flat Shaft upgrade installation training

MATERIAL & INSTALLATION LEADTIME

Material leadtime:	5 weeks (Exw Bromma Malaysia)
Installation leadtime:	3 days (per spreader, inclusive of testing)

PRICE & DELIVERY

Please contact your local Bromma representative for price and delivery leadtime.