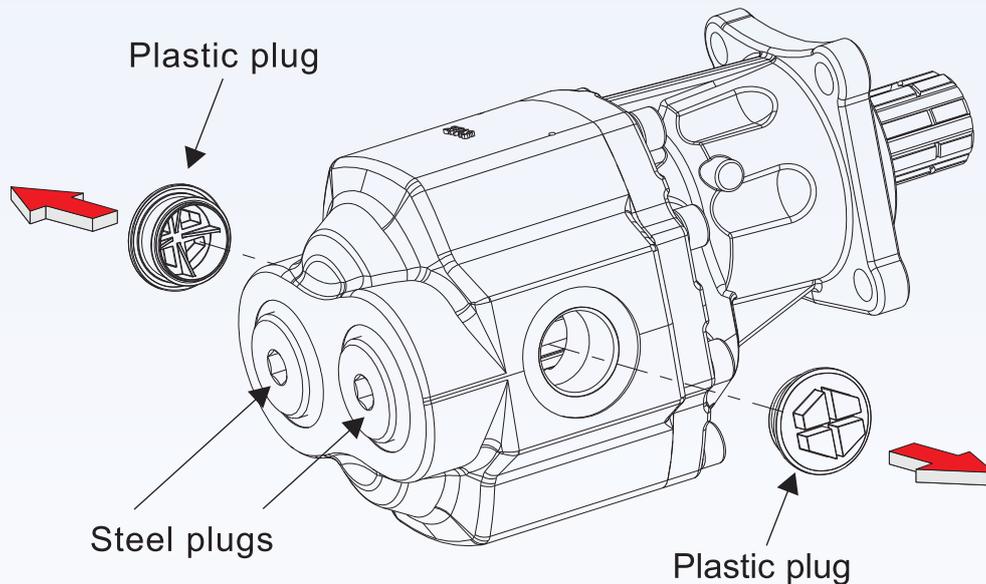


# MOUNTING INSTRUCTIONS

## GEAR PUMPS BRITE SERIES SV



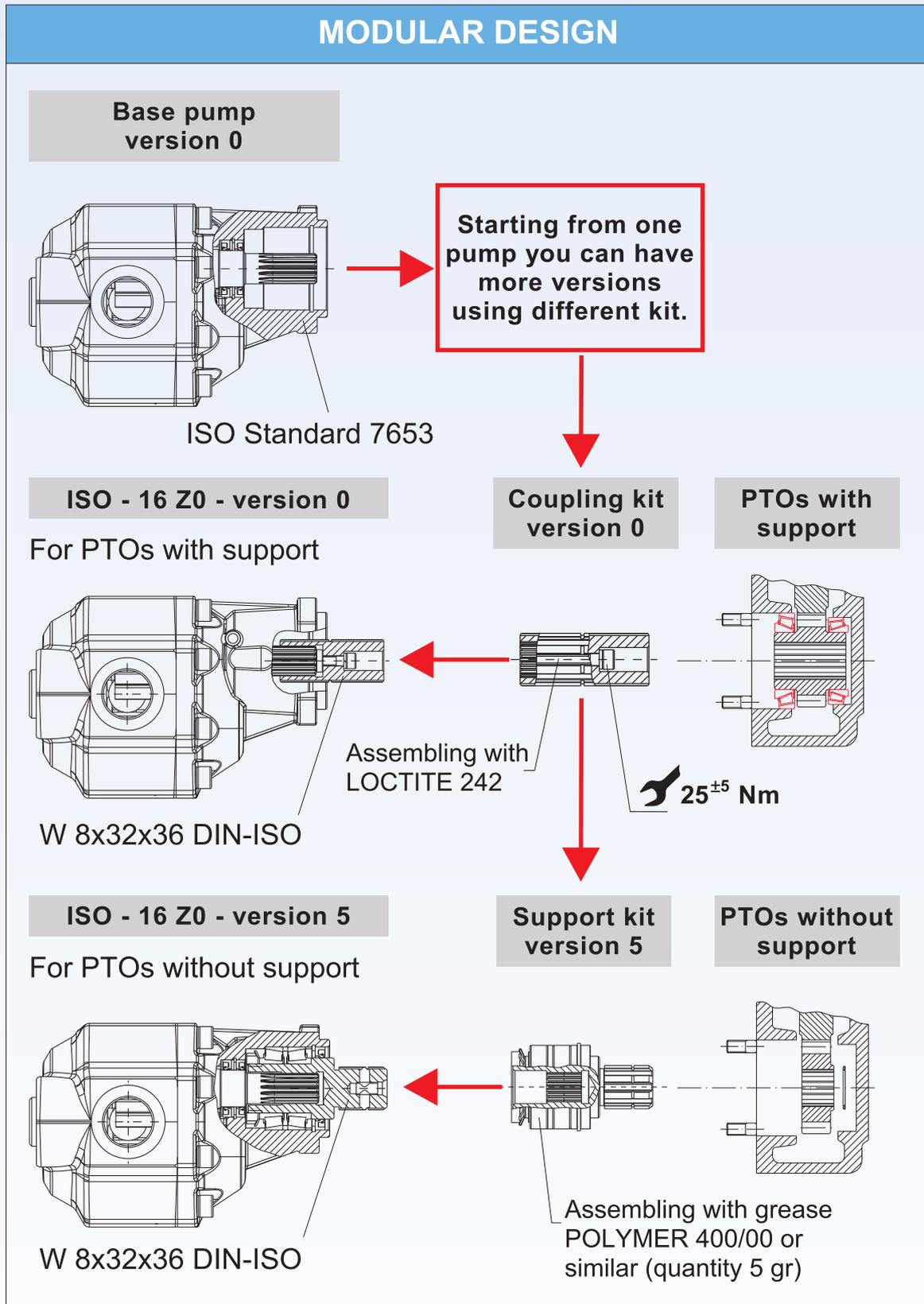
Instructions for reversible hydraulic gear pumps BRITE series.



**REMOVE THE 2 PLASTIC PLUGS BEFORE START-UP.** Steel plugs can be fit in the side ports when using rear inlet/outlet.

# MOUNTING INSTRUCTIONS

## GEAR PUMPS BRITE SERIES SV



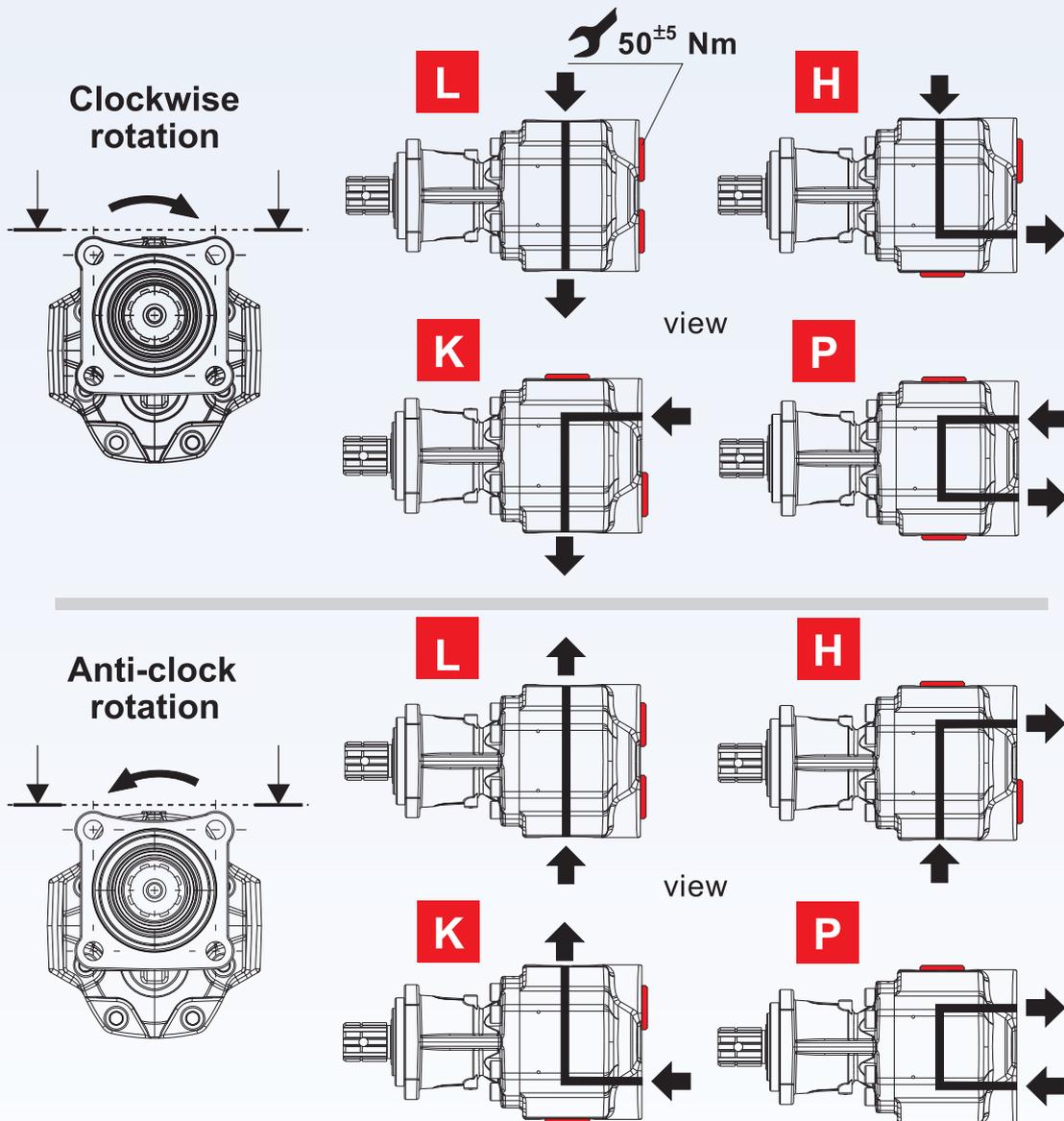
# MOUNTING INSTRUCTIONS

## GEAR PUMPS BRITE SERIES SV

### INSTALLATION AND START-UP

#### DIRECTION OF ROTATION AND PORTS POSITION

The direction of rotation is determined looking on the drive shaft. Reversible pump with internal drain are available with four ports. They are supplied in version L with the two rear ports plugged. All ports combination are allowed just switching one or both plugs from the rear ports to the other ports. The drawing below shows the inlet and outlet tubing position according to the direction of rotation.



# MOUNTING INSTRUCTIONS

## GEAR PUMPS BRITE SERIES SV

### INSTALLATION AND START-UP

#### INSTALLATION

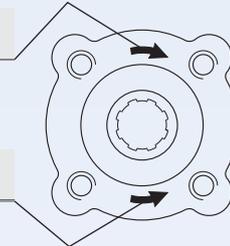
Inlet and outlet tubing position depends on the PTOs direction of rotation (see drawing on page 3)

Right PTO

Left pump

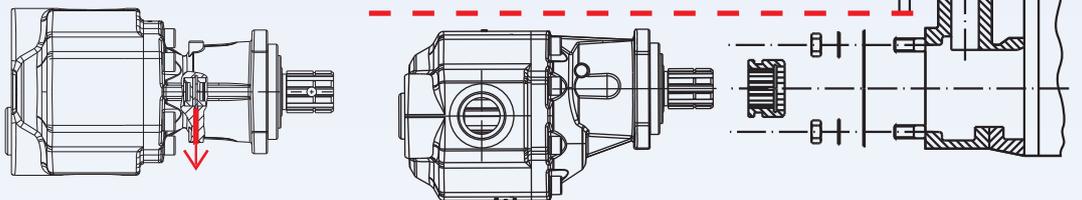
Left PTO

Right pump



#### MOUNTING ON DIRECT PTOs

The new pump specifically designed to avoid interference with the transmission shaft of truck, can be mounted on direct power take-off.



In case of failure, a safety system between the shaft seals of the pump allows the oil to escape, but doesn't allow the entry of contamination into the pump. We recommend to mount the pumps with the hole in horizontal position or even better facing down.

#### OPERATING TEMPERATURE

It is recommended not to exceed a maximum operating temperature of 80 °C.

#### TYPE OF OIL

Mineral oil based hydraulic fluids with a viscosity between 12 and 100 mm<sup>2</sup>/s (cSt). For cold starting, a viscosity of 750 mm<sup>2</sup>/s (cSt) is tolerated.

#### FILTRATION

Optimum working life is achieved with filtration of 10µm absolute. Filtration up to 25µm absolute is tolerated up to 200 bar working pressure.

*For working conditions outside the recommended limits, please consult our technical sales department*

# MOUNTING INSTRUCTIONS

## GEAR PUMPS BRITE SERIES SV

### GENERAL DATA AND SELECTION OF TUBING

#### GENERAL DATA PUMPS

Part nr.	Gear pump description	Maximum pressure (bar)	Maximum speed (min-1)	Port size BSPP
145 62 005	035L-BI-4H-C	250	2500	3/4"
145 62 010	052L-BI-4H-C	275	2500	1"
145 62 015	061L-BI-4H-C	250	2500	1"
145 62 020	073L-BI-4H-C	225	2500	1"
145 62 025	082L-BI-4H-C	225	2500	1"
145 62 030	092L-BI-4H-C	265	2500	1" 1/4
145 62 035	113L-BI-4H-C	225	2250	1" 1/4
		Pressure and speed for intermittent use only		

#### INLET TUBING

To ensure correction operation, it is recommended to use the following tubing. The stated values are for tubing 1 meter long and the pump is mounted below tank oil level.

Flows up to 150 (l/min): 1" 3/4 (bore 45 mm).

Flows from 151 to 200 (l/min): 2" (bore 51 mm).

For application in cold climates please consult our technical sales department.

#### OUTLET TUBING

Flows up to 100 (l/min): 3/4" BSPP hose.

Flows from 101 to 200 (l/min): 1" BSPP hose.