

## INSTALLATION – MAINTENANCE – LUBRICANTS

- The screw jack must be installed to only work with axial push or pull load.  
No lateral radial load is permitted.  
Fixing attachments must be evaluated carefully when designing the application.  
Correct fixing and alignment prevent screw jack damage.
- The SCREW JACKS CHECK SHEET (see pages 36 and 37), attached to every despatch, indicates the operation limits: screw jack minimum retracted length (Lc) and maximum extended length (La). Make sure that the application does not require a linear travel longer than the length fixed by these limits.
- Before using the screw jack, the following checks must be done:
  - verify the motor shaft turning direction and the related screw or nut linear motion direction,
  - if the end stroke switches are present, check their position: they cannot exceed the given limits,
  - make sure that the electric motor and the end stroke switches are connected correctly and that the right voltage is used.
- For further information about installation, use and maintenance refer to the Use and Maintenance Manual (Cod. 10.1.001).

SERVOMECH screw jacks are supplied with the wormgear already lubricated and acme screw usually non lubricated. Apply lubricant on the acme screw before using the screw jack.

The SCREW JACK CHECK SHEET (attached to the despatch), indicates exactly which screw jack components require lubrication before installation and commissioning.

During screw jack operation, only apply the correct lubricant when necessary. PLEASE, NOTE: too much lubricant can affect screw jack performance and promote lubricant leakage!

The following table states the required lubricant types and quantity:

SCREW JACK SIZE	WORM GEARBOX		ACME SCREW - NUT
MA 5	SHELL	0.07 kg	SHELL DARINA Grease R2
MA 10	TVX COMPOUND B – GREASE	0.14 kg	
MA 25	SHELL TIVELA OIL WB	0.35 l	
MA 50		0.75 l	
MA 80		0.75 l	
MA 100		1.5 l	
MA 200		2.3 l	
MA 350		4 l	
SJ 5		SHELL	
SJ 10	RETINAX EPX 2	0.14 kg	
SJ 25	SHELL TVX COMPOUND B – GREASE	0.23 kg	
SJ 50		0.60 kg	
SJ 80		0.50 kg	
SJ 200		2 kg	

Equivalent lubricants:

TRADE MARK	LUBRICANT			
SHELL	TIVELA OIL WB	TVX COMPOUND B	RETINAX EPX 2	DARINA Grease R2
AGIP	BLASIA S	GR SLL	GR SM	GREASE NF 2
CASTROL	ALPHA SN	ALPHA GEL	SPHEEROL LMM	BNS GREASE
ESSO	–	TRASMISSION GREASE FP	MP GREASE MOLY	NORVA 275
IP	TELESIA 150	TELESIA COMPOUND B	BIMOL GREASE 481	SILIS GREASE 2
MOBIL	GLYCOYLE 30	MOBILPLEX 44	MOBIPLEX SPECIAL	MOBILTEMP 78
TOTAL	–	CARTER SY 00	MULTIS MS	–