

OPERATION AND MAINTENANCE MANUAL

T
(THIRD SUPPORT FOR TRACTION DRUM)

COD.: MUM0282 REV. 01

english



SICOR S.p.A.
Head Office and Production Centre
Viale Caproni 32 (Industrial Area) 38068 Rovereto (TN) Italy
Ph.. +39 0464 484111 Fax +39 0464 484100
www.sicor-spa.it info@sicor-spa.it



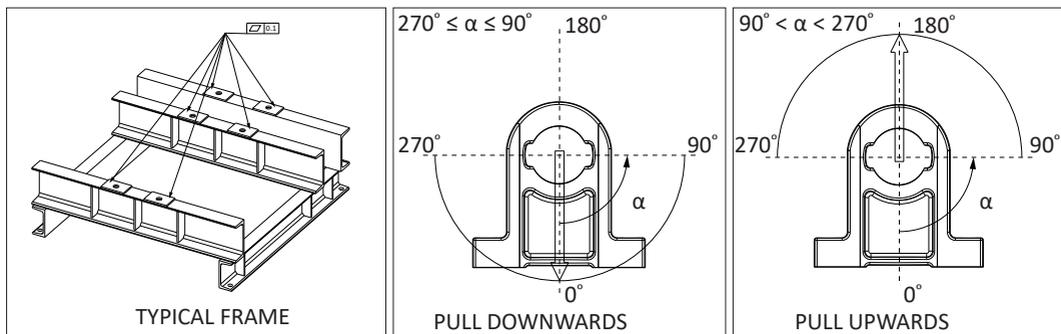
ALIGNMENT OF THE SLOW SHAFT OUTSIDE THE VALUES PRESCRIBED IN THESE INSTRUCTIONS CAN AFFECT CORRECT OPERATION OF THE WINCH.



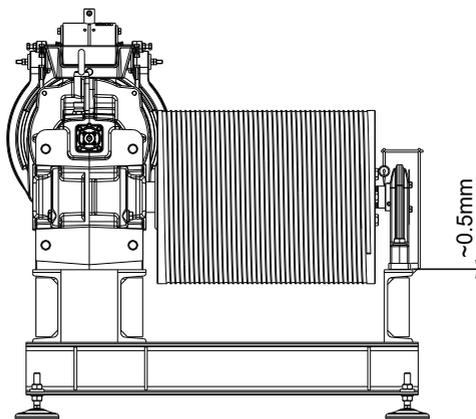
The locking dowels in the external support bearing must be tightened to a torque of 7.8 Nm for M8 dowels and 16.5 Nm for M10 dowels.

For correct fitting of the winch, refer to the following points:

1. The interface frame of the winch should have a planarity maximum error of 0.1mm.



2. Make sure that the frame support structures provide suitable stiffness features for the application.
3. Position the winch on the frame and fully tighten the casing securing screws.
4. Make sure that clearance of about 0.5 mm remains between the frame and the external support. Otherwise loosen the screws and repeat the operations of point 3, shimming the casing with the calibrated metal shims (not supplied with the winch) until the above value is reached.



5. Check the clearance of the gear, taking the values shown in the Use & Maintenance Manual as reference.
6. Fit a comparator with magnetic base positioning the relative probe near the external support.
7. After having reset the dial gauge, place metal shims between the external support and the related support surface so that the dial gauge indicates an upward displacement between 0.02 and 0.04mm.
8. Tighten the bolts of the external support with the torque shown in the table (tab.1).
9. Check the clearance of the gear again as per point 5; the measured value must be the same. if this is not the case, repeat the procedure (point 7).
10. Position the cables on the traction drum and, before placing the system in service, make sure that the flywheel rotates correctly when the brakes are open.
if this is not the case, repeat the procedure (point 7).

tab. 1

Bolts diameter	Tightening torque
[ISO metric screw threads – class 8.8]	[Nm]
M16	198
M18	283
M20	402
M22	552
M24	690

SICOR S.p.A.

Head Office and Production Centre

Viale Caproni 32 (Industrial Area) 38068 Rovereto (TN) Italy

Ph.. +39 0464 484111 Fax +39 0464 484100

www.sicor-spa.it info@sicor-spa.it

