
MANUAL GEARED TRACK TIGHTENING TOOL



Please read through and understand
this manual before using the tightening tool.
Original manual

October 2019 ENG

Explanation of symbols

**Warning!**

The track tightening tool can be dangerous. Careless or incorrect use can result in serious injury. Please read through the manual carefully and understand its contents before using the tightening tool.

**Risk of crushing**

There is a risk of crushing when using the track tightening tool.

**Manual**

Read through the manual carefully and understand its contents before using the tightening tool.

**Safety boots**

Always wear safety boots with steel toecaps and anti-slip soles.

**Hard hats**

Always wear an approved hard hat.

**Protective goggles**

Always wear protective goggles or a visor when cleaning.

**Protective gloves**

Always wear protective gloves.

**Hi-Vis vest**

Always wear a high visibility vest around the base machine.

Declaration of conformity

In accordance with the EC's Machinery Directive 98/37/EC
Certificate in accordance with 98/37/EC, Appendix 2A.

Manufacturer Olofsfors AB
Olofsfors 11
SE-914 91 Nordmaling, Sweden

Machine no.: 035-489400 Geared track tension tool including
035-489300 Gear housing

Serial no.: 128300->

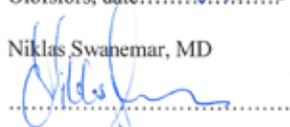
The manufacturer hereby declares that the equipment supplied is in compliance with the following directive and national standards.

98/37/EC Machinery Directive, MD

The equipment is subject to the EC Directive for CE Marking, which is why an inspection of the machine has been performed. In this document, we (Olofsfors AB) explain the method used to comply with applicable EC directives with associated harmonised standards, as well as Swedish legislation and ordinances.
Standard EN ISO 12100-1,-2 has been used as the basis for this declaration.

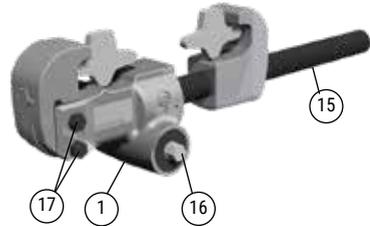
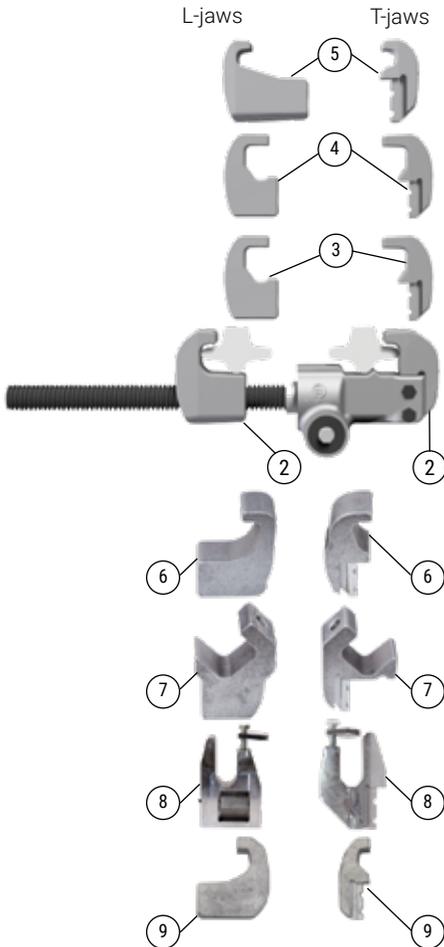
Reservation:
The equipment may only be used for its intended purpose.

Olofsfors, date 2008-12-03

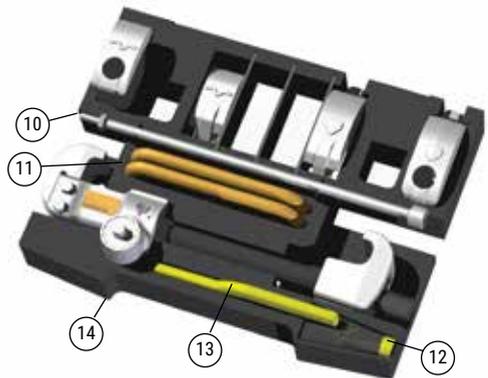

Niklas Swanemar, MD

Technical description

With the aid of a drilldriver, mechanically tension Olofsfors bogie tracks on base machines fitted with rubber tyres (e.g. harvesters, forwarders).



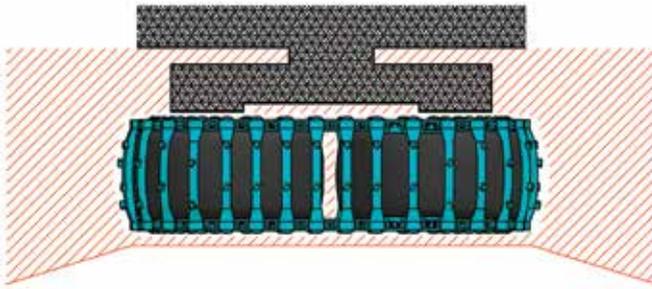
- | | |
|----------------------------|------------|
| 1. Gear | 035-489300 |
| 2. ECO jaws | 035-489410 |
| 3. OF | 035-489420 |
| 4. KovaX | 035-489450 |
| 5. Baltic | 035-489430 |
| 6. U | 035-489440 |
| 7. EVO | 035-489470 |
| 8. EX | 035-489357 |
| 9. CoverX | 035-489520 |
| 10. Extender | 035-489390 |
| 11. Clamps | 035-470130 |
| 12. Grease | 035-489370 |
| 13. Brush | 035-489375 |
| 14. Case | 035-489360 |
| 15. Spindle | |
| 16. Input shaft (A/F=16mm) | |
| 17. M10 screws (A/F=16mm) | |



Safety instructions



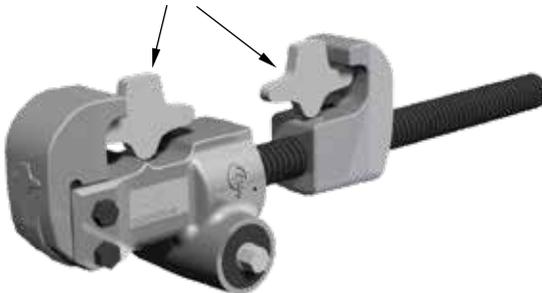
Risk area.



Be aware of the base machine risk area.



Risk of crushing around track tightening tool and tracks. Don't place arm/hand inside the track during tensioning. Use extender. To use this tensioner to other tracks than Olofsfors is not allowed when it could encounter incorrect loads that could damage the switch.



Incorrect assembly, read and understand the assembly instructions for tracks before using the tightening tool.



Warning that the track can jam when pulled over the wheels.

Safety instructions

Be aware of the base machine's mobility.

Use  Hi-Vis vest,  hard hat and  safety boots.



Ensure that you have eye contact with the base machine's operator before approaching.

Use  protective goggles and  protective gloves during cleaning.



Do not overload the gear, max. input torque is 14 Nm, as this can damage the spindle. Do **not use** impact wrench.



To cut steel strapping during unpacking, place the track upright on a flat surface to avoid the risk of the track rolling away.

Use  protective gloves,



 safety boots.



This tightening tool must not be used for anything other than tensioning Olofsfors bogie tracks, in accordance with assembly/dismantling instructions (see page 8).

Assembly of geared track tightening tool



Remove the M10 screws (13) that hold the T-jaw and insert the chosen T-jaw down into the groove. Replace and tighten the M10 screws (13).

Screw the chosen L-jaw onto the spindle (11).

Attach the extender to a screwdriver or drill that can be prevented from overloading the track tensioning tool. Note that the maximum input torque is 14 Nm. Olofsfors recommends a screwdriver/drill with torque control.

In addition to the track tensioning kit, the following equipment is also required:

The recommended personal safety equipment

M10 tool (A/F=16 mm)

M12 tool (A/F=19 mm) (only ECO-K)

M14 tool (A/F=22 mm)

M20 tool (only for OF Profil) (A/F=30 mm)

Screwdriver or drill with torque control

Straps

Hammer

Cutter

Knock-out bar

Crane



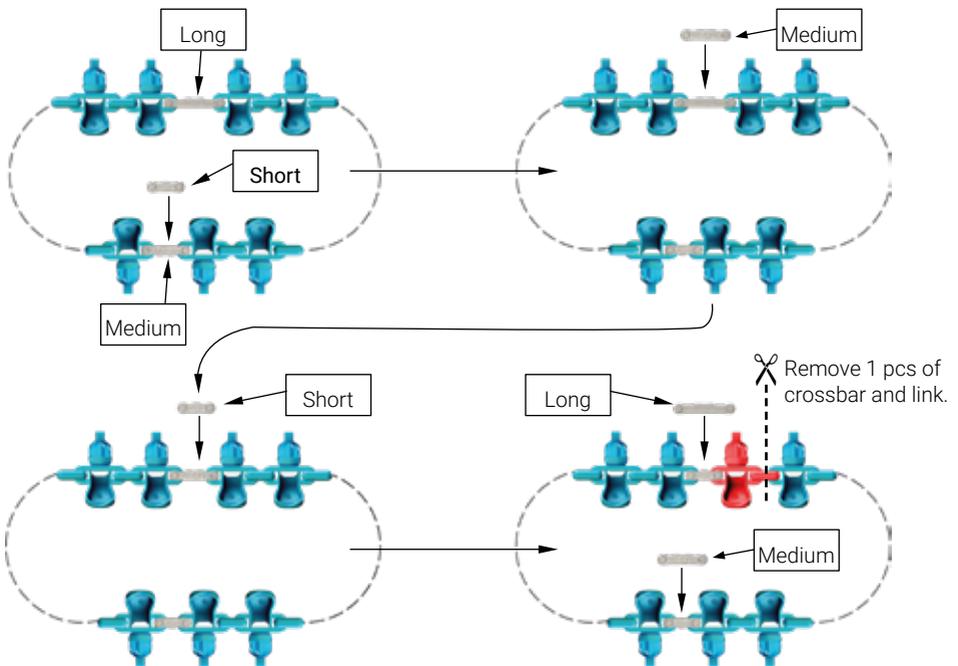
T-jaws

L-jaws

Assembly instructions Bogie tracks



Cut the steel strapping while the rolls are upright on a flat surface and then tip the roll with the crane. Now lay the bogie tracks out straight.



Now remove all track locks at the ends. Olofsfors recommends that as many long track locks as possible be inserted.

Adjust the length of the bogie track by selecting long or short track locks or removing cross members.

Note! Be careful, today's screwdrivers, are very strong. If it get stuck, it could twist your hand or damage the switch. Always have the torque control connected on the screwdriver. Note that the maximum input torque is 14 Nm.

Assembly instructions



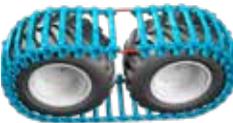
1. Secure a strap around the outermost cross member, then pass the strap over the tyre and drive over the strap with the bogie to pull up the tracks.



2. When the track is on the bogie make sure that the ends are at one end of the bogie.



3. Mount the two clamps from the outside into the link hooks.



4. Drive slowly forward until the clamps are between the bogie wheels.



5. Mount the installation tool on the cross members from below. Make sure that it is in the middle. **NOTE:** If the tires are new, it helps mount significantly, if you moistens them. It may also be needed to help push up the track from the short edge towards the top.



6. Now use a screwdriver/drill and the extender to tighten the track. Mounting tool – tensioner – with screw. (The picture shows a manual tensioner).



7. When the clamps are loose, remove them from the track.

Assembly instructions



8. Tighten the track until you can install the track lock.



9. Mount the track lock plate.



10. Mount the bolt from above to avoid the risk of damaging the nut during driving.



11. Take out the tool. The proper tensioning of the track is when slack between tires is max. 50 mm.

Dismantling bogie tracks



Unscrew the track lock plates and knock out the track lock clamps with a knock-out bar or similar tool. Ensure that you are not in the risk zone and drive the machine away from the bogie tracks.

Maintenance



Spindle – straightness

Check whether the spindle has become bent from overloading.

Cleaning the spindle

If the spindle becomes dirty, it must be brushed clean and regreased.
Use gloves and protective goggles when brushing the spindle clean.

Check that there are no cracks in the gear or jaws

If there are cracks in the gear or jaws, these must be discarded.

Check that the clamps are at a right angle

If the jaws have become bent, these must be discarded.

Check play on the gear

Maximum permitted play on the input shaft is 45°.
If the play is greater than this, the gear must be discarded.

Check that the M20 screw moves easily (OF track)

If the M20 screw moves slowly in the threads, it should be replaced as soon as possible to stop the screw from damaging the jaw.



Correct



Wrong

Technical data

Technical data

Weight, tension tool without jaws	10 kg
Weight, tension tool with jaws	max 15 kg
Max. permitted input torque on gear	14 Nm
Max. output force	3,000 kg
Min. temp. for use	-30 °C
Dimensions, input to gear:	A/F 16 mm

Jaws are available for:

ECO
OF
KovaX
Baltic
U
EVO
EX
CoverX

Spare parts list

Item no.	Name
035-489400	Packed case with gear
035-489410	ECO jaw set
035-489420	OF jaw set
035-489450	KovaX set
035-489430	Baltic jaw set
035-489440	U
035-489470	EVO
035-489357	EX
035-489520	CoverX
035-489300	Gear
035-489390	Extender special
035-489370	Grease special
035-489375	Brush
035-489360	Case with fittings
035-489380	Screw M20 special
035-470130	Clamp

Contact:

Customer service
+46 (0)930 31140 or order@olofsfors.se