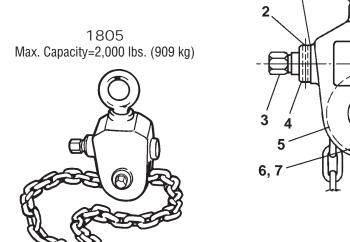


Parts List & Operating Instructions for:

1805 1806

Load-Rotor® Positioning Slings



1806 Max. Capacity=4,000 lbs. (1,818 kg)



No. 1805 Parts List

No. 1806 Parts List

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	31627	1	Frame Machine	1	40568	1	Frame Machine
2	10973	2	Pin	2	10973	2	Pin
3	23524	1	Worm	3	31803	1	Worm
4	23728	2	Collar	4	23728	2	Collar
5	23525	1	Chain Block	5	40569	1	Chain Block
6	211184	1	Pin	6	211186	1	Pin
7	211185	2	Screw	7	211187	2	Screw
8	31609	1	Chain and Hooks	8	31800	1	Chain and Hooks
9	10258	2	Washer (for 3/8" bolt)	9	13324	2	Washer
10	24247	2	Bracket / Link	10	24247	2	Bracket / Link
				11	214046	2	Spacer Shim

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Safety Precautions

Caution: To prevent personal injury or equipment damage,

- Read, understand, and follow the operating instructions.
- Wear eye protection that meets ANSI Z87.1 and OSHA standards.
- Do not exceed the maximum rated capacity for each positioning sling: 1805=2,000 lbs. or 909 kg; 1806=4,000 lbs. or 1,818 kg.
- Both ends of the chain must support the load; do NOT lift an object by attaching only one end of the chain. The weight of the load must be balanced as it's lifted.
- Use a speed handle and socket on the 5/8" hex drive to tilt or level the sling; do NOT use a power impact wrench.
- Do not exceed a 90° angle between the chains when lifting a load. See Figure 1.
- Do NOT use this rotor for overhead lifting. Stay out from underneath a suspended load.
- Frequently inspect the rotor for any damaged or worn parts.
 Use only OTC approved repair parts. Do not alter or modify the rotor in any way.

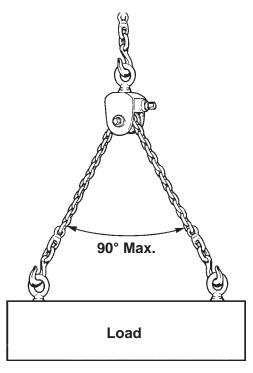


Figure 1

Operating Instructions

The positioning slings are used with a crane or hoist to handle and position large, bulky components. Horizontal tilt may be adjusted to compensate for off-center loads, or for an alignment angle during disassembly or reassembly.

- 1. Attach the sling's lifting eye to the hook on the lifting device.
- 2. Attach the hooks on the ends of the sling's chains to suitable locations on the object. The weight of the load must be balanced as it's lifted.
- 3. Use a speed handle and socket on the 5/8" hex drive to tilt or level the sling. **CAUTION:** Using a power impact wrench will damage the sling.

Maintenance

The sling requires no maintenance under normal use. The worm-andgear unit has been permanently lubricated at the factory. However, if the sling has been disassembled for repair, the following procedures must be performed:

- 1. Refer to the parts list in this document. Use Lubriplate Grease No. 130-A (or equivalent) to coat the worm gear and the inner contact surfaces of the collars (Item #4).
- 2. During reassembly, when replacing roll pins (Item #2) in the collars (Item #4), align the slot of each pin with the centerline of the worm shaft. See Figure 2.

