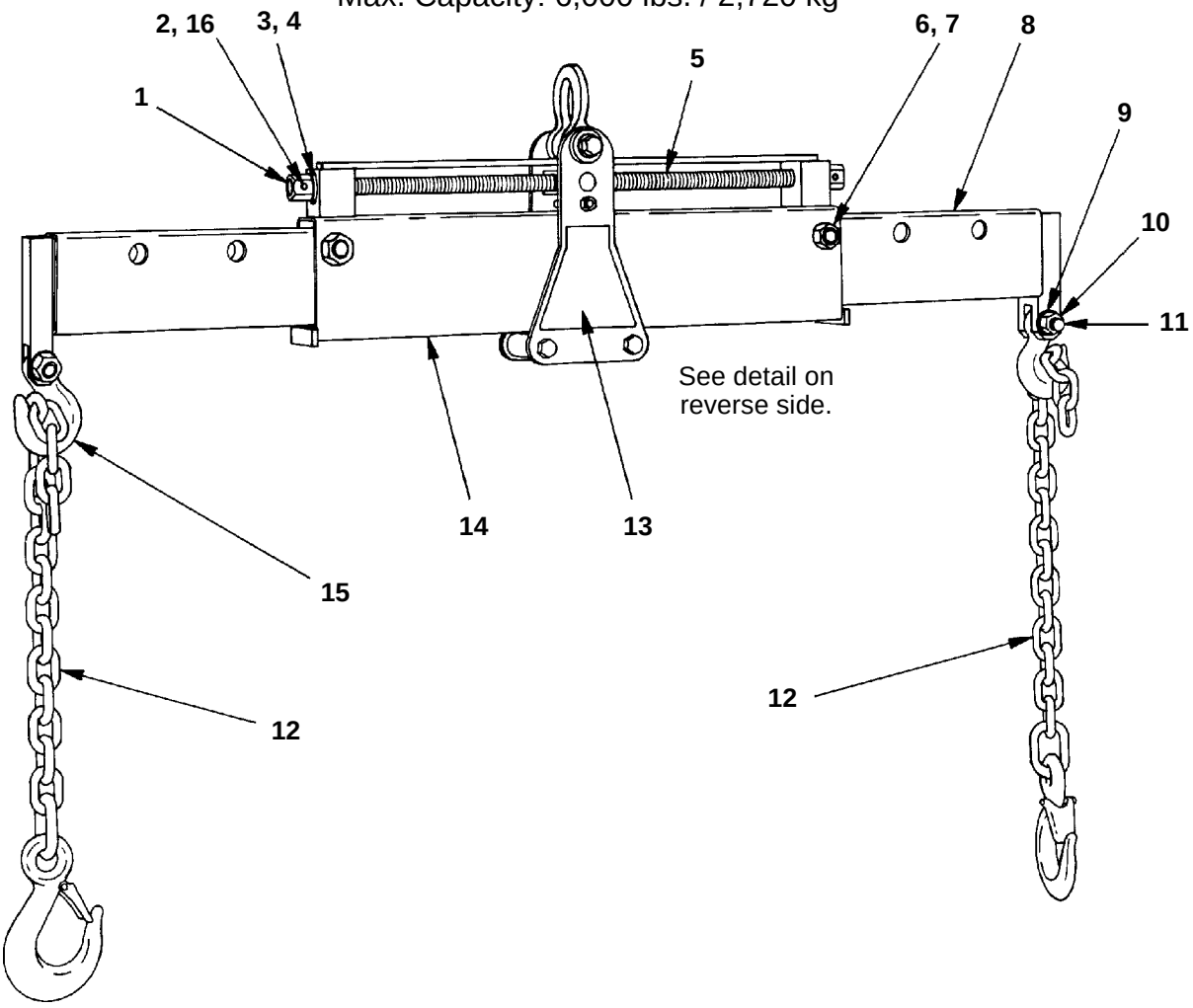
SPX Corporation
655 Eisenhower Drive
Owatonna, MN 55060-0995 USA
Phone: (507) 455-7000
Tech. Serv.: (800) 533-6127
Fax: (800) 955-8329
Order Entry: (800) 533-6127
Fax: (800) 283-8665
International Sales: (507) 455-7223
Fax: (507) 455-7063

Form No. 102424

Parts List &
Operating Instructions
for: 1812

Load-Rotor®

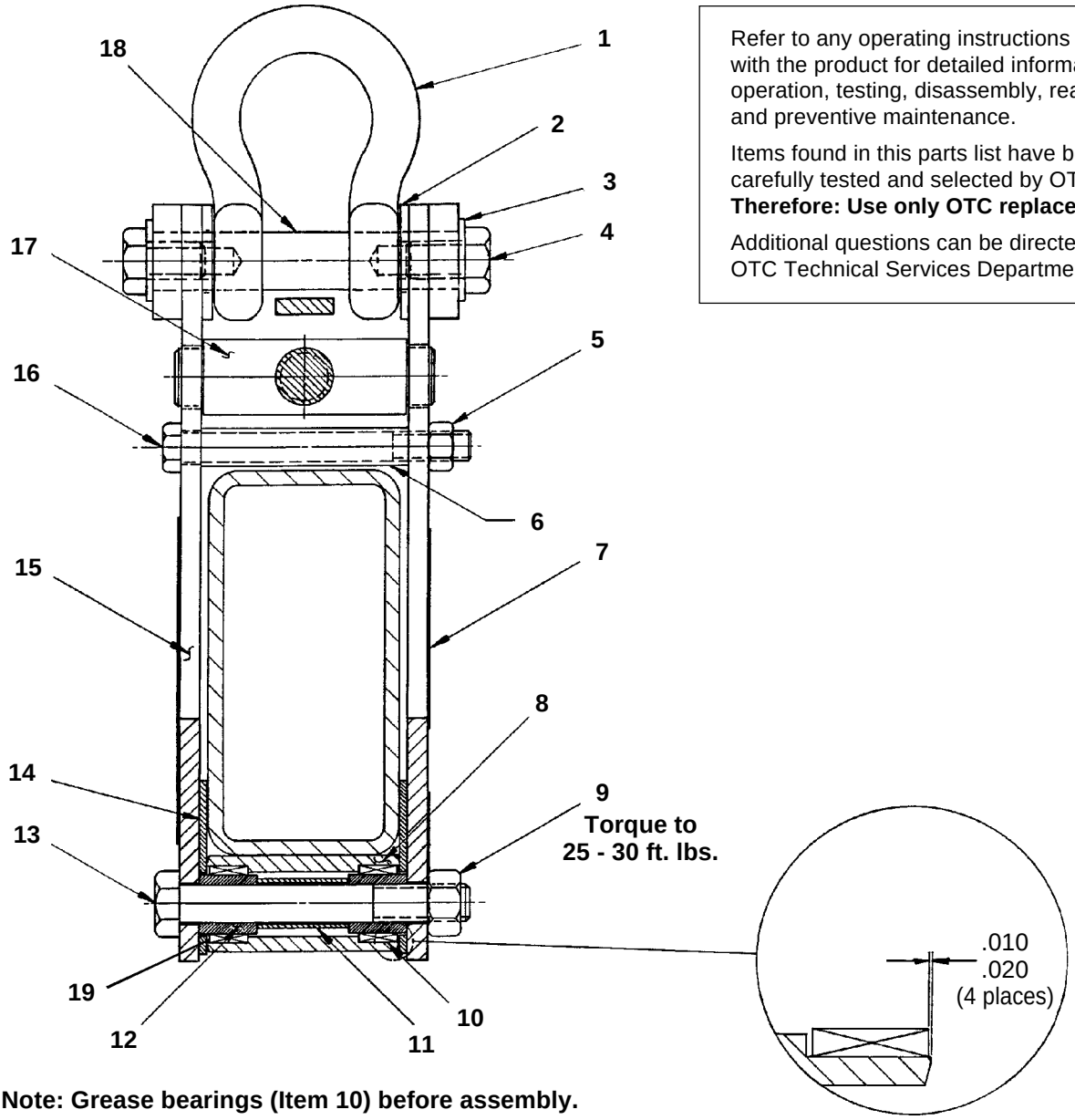
Max. Capacity: 6,000 lbs. / 2,720 kg



Item No.	Part No.	No. Req'd	Description
1	**206675**	2	Nut
2	**10585**	2	Roll Pin
3	**206746**	2	Thrust Bearing
4	**16209**	4	Thrust Washer
5	**302241**	1	Screw
6	**16726**	2	Hex Hd. Cap Screw *(3/4-10 x 3-1/4" Lg.)*
7	**10216**	2	Hex Nut *(3/4-10)*
8	**44242**	2	Inner Tube
9	**13324**	4	Washer *(for 5/8" bolt)*
10	**10213**	2	Hex Nut *(5/8-18)*

Item No.	Part No.	No. Req'd	Description
11	**22045**	2	Hex Hd. Cap Screw *(5/8-18 x 2-1/2" Lg.)*
12	**302941**	2	Chain & Safety Hook
13	**302284**	1	Warning Decal
14	**51726-WH2**	1	Main Tube
15	**16051**	2	Eye Grab Hook
16	**10481**	2	Roll Pin
	Parts Included but Not Shown		
	304524	2	Capacity Decal

Issue Date: Rev. B, May 25, 2005



Note: Grease bearings (Item 10) before assembly.

Refer to any operating instructions included with the product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected by OTC. **Therefore: Use only OTC replacement parts!**

Additional questions can be directed to the OTC Technical Services Department.

Item No.	Part No.	No. Req'd	Description
1	**206679**	1	Anchor Shackle
2	**12330**	2	Washer *(for 3/4" bolt)*
3	**12004**	2	Washer *(for 1/2" bolt)*
4	**10075**	2	Hex Hd. Cap Screw *(1/2-13 x 3/4" Lg.)*
5	**10204**	1	Hex Nut *(3/8-16)*
6	**206678**	1	Spacer
7	**11281**	1	Trade Name Decal
8	**302240**	2	Roller
9	**15013**	2	Locknut *(1/2-13; torque to 25-30 ft. lbs.)*
10	**209692**	4	Needle Bearing
11	**206680**	2	Spacer
12	**206681**	4	Inner Bearing Race
13	**13894**	2	Hex Hd. Cap Screw *(1/2-13 x 3-3/4" Lg.)*
14	**302225**	2	Wear Pad
15	**44240**	2	Side Plate
16	**14493**	1	Hex Hd. Cap Screw *(3/8-16 x 3-3/4" Lg.)*
17	**302244**	1	Screw Block
18	**302242**	1	Pin
19	**10303**	4	O-ring

Parts Included but Not Shown

	216819	1	Made in USA Decal

Safety Precautions

Caution: To prevent personal injury,

- **If the operator cannot read and understand these operating instructions and safety precautions, they must be read and discussed in the operator's native language.**
- **Wear eye protection that meets the requirements of ANSI Z87.1 and OSHA.**

- **Do not attempt to lift a load that exceeds the maximum capacity of 6,000 lbs. / 2,720 kg. Overloaded equipment can fail and cause personal injury. To ensure the load bearing chains are not stressed beyond their capacities, do not adjust the load rotor to an angle greater than 30° (see Figure 2), and do not spread the load bearing chains more than a total of 90° for both chains (see Figure 3).**
- **Secure all adjusting bolts before lifting a load.**
- **Attach BOTH arms to the load being lifted; do NOT use a single arm setup.**

- **The load rotor is not designed for overhead lifting applications. Stay out from underneath a load being lifted or suspended.**

Operating Instructions

The Load Rotor is designed to handle and position large, bulky components. The horizontal tilt can be adjusted to compensate for off-center loads, or adjusted to a certain angle for a component being positioned.

1. Hook the load rotor to a crane or hoist.
2. Attach the two load bearing chains to the component. Adjust the extension arms in or out to keep the chain angle at a minimum.
3. Verify the bolts holding the extension arms are securely fastened. See Figure 1.

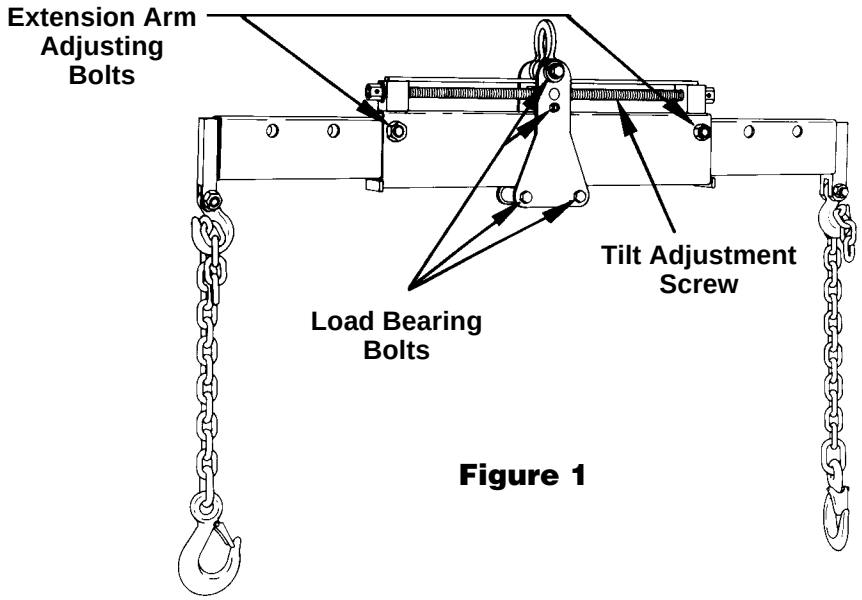


Figure 1

Continued on back . . .

Operating Instructions Continued. . .

Caution: To maintain stability and ensure the load bearing chains are not stressed beyond their capacities,

- **Do not adjust the load rotor to an angle greater than 30°. See Figure 2.**
- **Do not spread the load bearing chains more than a total of 90° for both chains. See Figure 3.**

4. Lift the component enough to locate the center of balance. Level or adjust the angle of the load rotor by using a wrench to turn either end of the threaded adjustment screw.

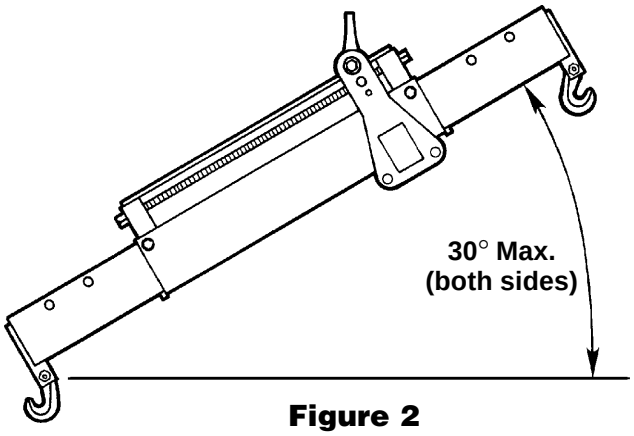


Figure 2

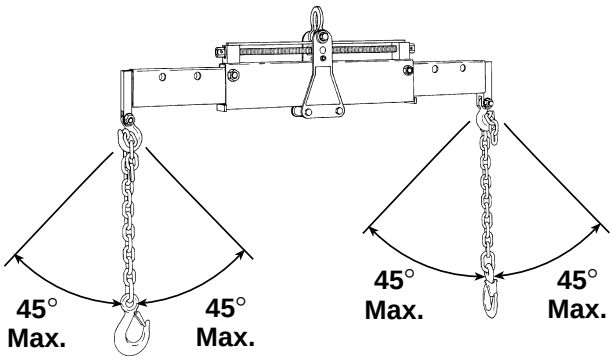


Figure 3

Maintenance

1. Regularly clean and lubricate the tilt adjustment screw. See Figure 1.
2. Keep the four load bearing bolts fastened securely. See Figure 1.