

LINCOLN



Harbor and Container Handling Cranes

Introduction

This document is to provide examples of possible market opportunities related to Harbor and Container Handling Cranes. Specific application guides have not been developed at this point.

Key OEMs

ZPMC (China) www.zpmc.com
Kalmar (Netherlands) www.kalmarind.com
Liebherr (Ireland) www.liebherr.com
Konecranes (Finland) www.konecranes.com
Gottwald (Germany) www.gottwald.com
Reggiane / Noell (Italy / China)
Samsung and Hyundai (South Korea)
Mitsubishi (Japan)

Industry News

www.cranestodaymagazine.com
www.worldcargonews.com

Mobile Harbor Cranes

A mobile harbor crane for the combined handling of containers and bulk materials, having an undercarriage and an upper carriage which is mounted on the base frame of the undercarriage and on which a tower with a boom that can be pivoted about a horizontal axis is arranged.

Gottwald HMK 300 EG Mobile Harbor Crane



International Bill of Material for Gottwald HMK 300 EG Lower Chassis Application (see photo pg 4)

Pos	Qty		Part Number	Description
1	1	St	644-40810-1	P203-4XNBO-1K6-24-1A1.01-V20
2	1	St	624-28931-1	VALVE SVTSV-350-1/4 -6+RETURN FITT.ASS
3	1	St	226-14105-5	NIPPLE S2520-1/4 - 1/4-25
4	1	St	619-26473-1	MET.DEV.SSV6
5	5	St	619-25730-2	MET.DEV.SSV8
6	1	St	619-25731-2	MET.DEV.SSV12
7	7	St	226-13753-9	PUSH-IN FITT.WEKV S6500-6-1/8-S01 DG
8	28	St	304-19509-1	ADAPTER M10X1,0KAXM10X1,01C
9	48	St	22613753-6	PUSH-IN FITT.WEK 6500-6-M10X1-S01 DG
10	4	St	226-13756-5	PUSH-IN FITT.WEDK 6520-6-M10X1-S01 DG
11	52	St	226-14091-2	PUSH-IN FITT.RV 6511-6-M10X1-S01 DG
12	6	St	226-14091-4	PUSH-IN FITT.RVV 6511-6-M10X1-S02 DG
13	240	m	504-36041-2	TUBE PA12HL 6X1,5 BLACK FILLED
14	40	m	504-36033-3	HOSE.PL300 NW4 FILLED HIGH-FLEXIBLE
15	16	St	432-24162-1	HOSE STUD
16	16	St	432-23031-1	THREADED SLEEVE F.HOSE STUD
17	500	St	226-12490-3	CABLE STRAP SW 186LGX4,8 ST.NOSE DG
18	20	St	226-13095-9	ADHESIVE CLAMP 28X28 NO.502648
19	7	St	307-19543-1	BRACKET FOR SSV
20	20	St	113-35075-2	PLASTIC HELIX GR.6 BLACK
21	14	St	200-13092-3	SCREW,HEX. 8.8 M 6X45C
22	14	St	207-12135-5	NUT,HEX 8 M 6C DG
23	14	St	210-12161-3	TOPTH LOCK WASHER ST J6,4Z
24	1	St	234-13178-9	PROX.SWITCH M11 10-36VDC PLUG-IN VA
25	52	St	432-24313-1	PROTECTIVE CAP F.PUSH-IN FITTINGS
Optional / Additional				
26	1	St	526-32723-1	FELT LUBE WHEEL FOR THE SLEWING RING

Note: Call Lincoln in St. Louis for English part numbers (314) 679-4200.

Ship to Shore (STS) Cranes

Ship-to-shore cranes are designed for efficient loading and unloading of container ships. They are used in large ports and container terminals. Lube points include: guide rollers and wire rollers on trolley, spreader (gripping system for container), boom lube points on water and land side, rollers and gears in machine house, and chassis / gantry points.



Rubber Tired Gantry (RTG) Cranes

Traveling crane used for the movement and positioning of containers in a container field. RTG's are capable of lifting containers within its own framework. RTG's may also be used for loading and unloading containers from rail cars.



Reachstackers

Reachstackers combine strength with versatility. They are often used to stack containers in small and medium-sized terminals and in multi-purpose terminals.



Wheel Flange Lubrication (for rail mounted cranes)

Pos	Qty		Part Number	Description
1	1	St	655-40693-6	P205-M070-IXYN-2K7-380-420,440-480
2	2	St	619-36244-1	DIVIDER SSV6/2-90
3	2	St	624-28894-1	VALVE SVTE-350-R1/4-D6
4	2	St	226-14105-5	NIPPLE S2520-1/4 - 1/4-25
5	2	St	223-12270-7	TB.FITT.ST GE6-LL R 1/8KC
6	4	St	223-12380-6	TB.FITT.ST WE6-L R 1/4KC
7	10	St	111-35114-1	HOSE PL300 NW4,1 HIGHFLEXIBLE DG
8	12	St	432-24162-1	HOSE STUD D6/NW4 F SHORT (THREAD)
9	12	St	432-23031-1	THREADED SLEEVE F. HOSE STUD
10	2	St	526-32660-1	WHEEL FLANGE LUBRICATION CRL101

Note: Call Lincoln in St. Louis for English part numbers (314) 679-4200.

