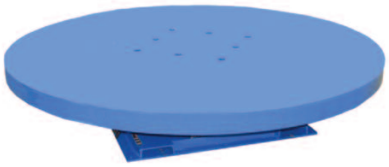
ADVANCE LIFTS®

# Industrial Turntables Heavy Duty Ring Bearing (HDTM & HDTP)

## WHEN DURABILITY MATTERS

**1 YEAR PARTS AND LABOR\10 YEAR, 250,000 CYCLE STRUCTURAL WARRANTY**

*Use ring-bearing turntables for positioning jobs where very heavy loads must be rotated quickly, positioned accurately, and where high edge loading is expected. There are two basic types of heavy duty ring bearing turntables: non-powered and powered. Two types of platforms are offered for each of the types: standard and high capacity reinforced. Use standard platforms for applications where load distribution is even and high edge loading is not expected. Use reinforced platforms when load is not evenly distributed, high edge loading is expected, and platform deflection must be minimized.*





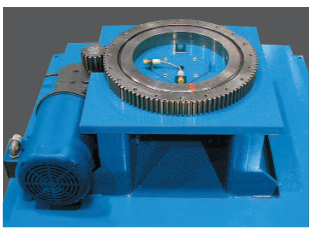
## Special Features

*Non-powered ring bearing turntable features:*

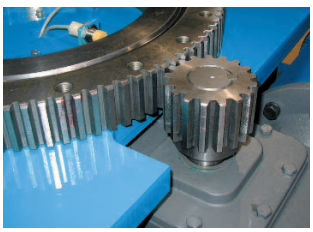
- Platform is supported by a high capacity ring bearing.
- Lower cost than powered ring bearing turntables.
- Rotation requires physical force be applied by operator.
- Can be rotated in either direction.
- Standard platforms are rectangular, round platforms are optional.
- Platforms are available in standard or high capacity reinforced configurations.
- Rotational limits can be provided via optional detents, locking pins, and hard stops.

*Powered ring bearing turntable features:*

- The platform is supported by a high capacity ring bearing.
- AC motors and drives are standard (DC is not available).
- Bi-directional rotation (clockwise & counterclockwise) is standard.
- High (0-10 RPM) and low (0-5 RPM) rotational speeds are available.
- Standard platforms are rectangular, round plat forms are optional.
- Platforms are available in standard or high capacity reinforced configurations.
- Drive motor is located under the platform.
- Platform travel can be limited by use of optional proximity sensors (+/- 2º accuracy).
- Precise position control is available as on option (consult factory).







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## Specification Table For Standard Platform

**Non-Powered**

| Model | Capacity | Edge Load Maximum | Standard Platform | Baseframe Size | Lowered Height | Ship Weight |
|---|---|---|---|---|---|---|
| HDTM-704 | 7000 | 2000 | 48 X 48 | 48 X 48 | 5-5/8 | 1175 |
| HDTM-705 | 7000 | 1333 | 60 X 60 | 48 X 48 | 5-5/8 | 1350 |
| HDTM-706 | 7000 | 1000 | 72 X 72 | 48 X 48 | 5-5/8 | 1600 |
| HDTM-707 | 7000 | 800 | 84 X 84 | 48 X 48 | 5-5/8 | 1850 |
| HDTM-708 | 7000 | 650 | 96 X 96 | 48 X 48 | 5-5/8 | 2150 |

## Specification Table For Reinforced Platform

**Non-Powered**

| Model | Capacity | Edge Load Maximum | Standard Platform | Baseframe Size | Lowered Height | Ship Weight |
|---|---|---|---|---|---|---|
| HDTM-1004R | 10000 | 10000 | 48 X 48 | 48 X 48 | 8 | 1400 |
| HDTM-1005R | 10000 | 10000 | 60 X 60 | 48 X 48 | 8 | 1625 |
| HDTM-1006R | 10000 | 10000 | 72 X 72 | 48 X 48 | 8 | 1925 |
| HDTM-1007R | 10000 | 10000 | 84 X 84 | 48 X 48 | 8 | 2625 |
| HDTM-1008R | 10000 | 10000 | 96 X 96 | 48 X 48 | 8 | 3025 |
| HDTM-1009R | 10000 | 10000 | 108 X 108 | 48 X 48 | 8 | 3500 |
| HDTM-1010R | 10000 | 10000 | 120 X 120 | 48 X 48 | 8 | 4000 |

## Specification Table For Standard Speed, Standard Platform

**Powered**

| Model | Capacity | Edge Load Maximum | Standard Platform | Baseframe Size | Speed (RPM) | Motor HP | Lowered Height | Ship Weight |
|---|---|---|---|---|---|---|---|---|
| HDTP-704 | 7000 | 2000 | 48 X 48 | 48 X 48 | 0-5 | 3 | 17 | 1825 |
| HDTP-705 | 7000 | 1333 | 60 X 60 | 48 X 48 | 0-5 | 3 | 17 | 2000 |
| HDTP-706 | 7000 | 1000 | 72 X 72 | 48 X 48 | 0-5 | 3 | 17 | 2250 |
| HDTP-707 | 7000 | 800 | 84 X 84 | 48 X 48 | 0-5 | 3 | 17 | 2500 |
| HDTP-708 | 7000 | 650 | 96 X 96 | 48 X 48 | 0-5 | 3 | 17 | 2800 |

## Specification Table For Standard Speed, Reinforced Platform

**Powered**

| Model | Capacity | Edge Load Maximum | Standard Platform | Baseframe Size | Speed (RPM) | Motor HP | Lowered Height | Ship Weight |
|---|---|---|---|---|---|---|---|---|
| HDTP-1004R | 10000 | 10000 | 48 X 48 | 48 X 48 | 0-5 | 3 | 18-7/8 | 1950 |
| HDTP-1005R | 10000 | 10000 | 60 X 60 | 48 X 48 | 0-5 | 3 | 18-7/8 | 2275 |
| HDTP-1006R | 10000 | 10000 | 72 X 72 | 48 X 48 | 0-5 | 3 | 18-7/8 | 2575 |
| HDTP-1007R | 10000 | 10000 | 84 X 84 | 48 X 48 | 0-5 | 3 | 18-7/8 | 3275 |
| HDTP-1008R | 10000 | 10000 | 96 X 96 | 48 X 48 | 0-5 | 3 | 18-7/8 | 3675 |
| HDTP-1009R | 10000 | 10000 | 108X108 | 48X48 | 0-5 | 3 | 18-7/8 | 4150 |
| HDTP-1010R | 10000 | 10000 | 120X120 | 48X48 | 0-5 | 3 | 18-7/8 | 4650 |



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## Specification Table For High Speed, Standard Platform

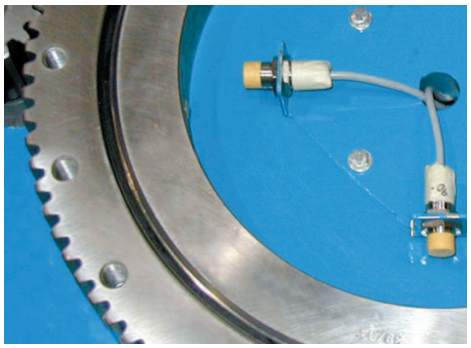
**Powered**

| Model | Capacity | Edge Load Maximum | Standard Platform | Baseframe Size | Speed (RPM) | Motor HP | Lowered Height | Ship Weight |
|---|---|---|---|---|---|---|---|---|
| HDTP-504H | 5000 | 2000 | 48 X 48 | 48 X 48 | 0-10 | 5 | 17 | 1825 |
| HDTP-505H | 5000 | 1333 | 60 X 60 | 48 X 48 | 0-10 | 5 | 17 | 2000 |
| HDTP-506H | 5000 | 1000 | 72 X 72 | 48 X 48 | 0-10 | 5 | 17 | 2250 |
| HDTP-507H | 5000 | 800 | 84 X 84 | 48 X 48 | 0-10 | 5 | 17 | 2500 |
| HDTP-508H | 5000 | 650 | 96 X 96 | 48 X 48 | 0-10 | 5 | 17 | 2800 |

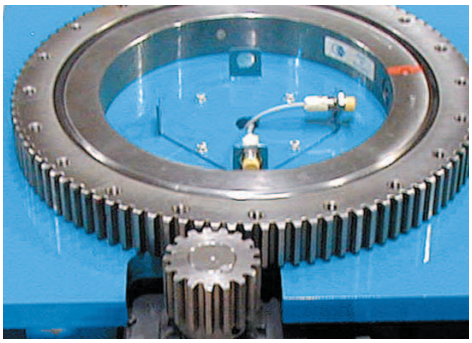
## Specification Table For High Speed, Reinforced Platform

**Powered**

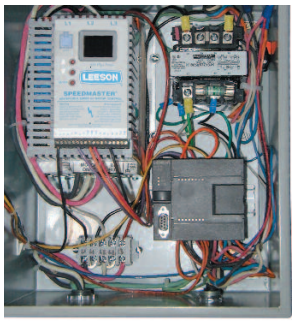
| Model | Capacity | Edge Load Maximum | Standard Platform | Baseframe Size | Speed (RPM) | Motor HP | Lowered Height | Ship Weight |
|---|---|---|---|---|---|---|---|---|
| HDTP-504HR | 5000 | 5000 | 48 X 48 | 48 X 48 | 0-10 | 5 | 18-7/8 | 1950 |
| HDTP-505HR | 5000 | 5000 | 60 X 60 | 48 X 48 | 0-10 | 5 | 18-7/8 | 2275 |
| HDTP-506HR | 5000 | 5000 | 72 X 72 | 48 X 48 | 0-10 | 5 | 18-7/8 | 2575 |
| HDTP-507HR | 5000 | 5000 | 84 X 84 | 48 X 48 | 0-10 | 5 | 18-7/8 | 2875 |
| HDTP-508HR | 5000 | 5000 | 96 X 96 | 48 X 48 | 0-10 | 5 | 18-7/8 | 3250 |



*Proximity sensor*



*Ring bearing style of unit*




*Programmable logic controller*



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