

DOWNNS CRANE & HOIST CO., INC.

MECHANICAL ENGINEERS

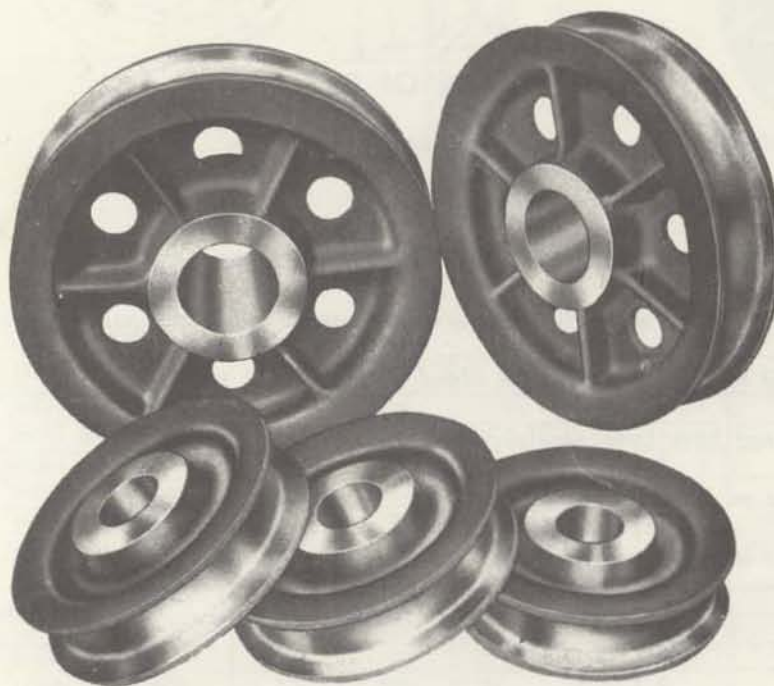
8827 S. JUNIPER STREET • LOS ANGELES, CALIFORNIA, U.S.A. 90002

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ELECTRIC CRANES — HAND CRANES — JIB CRANES — PORTABLE CRANES — SHEAVES — SHEAVE BLOCKS — PLATE GRIPS — PLATE HOOKS
CRANE TROLLEY HOISTS — CRANE WHEELS — CRANE END TRUCK UNITS — JIB CRANE FITTINGS — AUTOMATIC MECHANICAL LOAD BRAKE
UNITS — CURRENT COLLECTORS — CRANE HOOK BLOCKS — DERRICK FALL BLOCKS

CRANE WHEELS AND WHEEL ASSEMBLIES



The wheel capacities given in the tables on the following pages are the maximum permissible loads when used on cranes for medium service, intermittent duty, and traveling speeds up to 200 feet per minute. For heavy duty and high speeds, these capacities should be reduced somewhat, in order to get a satisfactory service life from the wheel. The required capacity reduction is governed by a number of operating conditions, and there is no simple rule applicable to all cases. Downs Crane and Hoist Company will be pleased to make a recommendation upon receipt of all the pertinent facts applying to any specific case.

CRANES. Downs Crane & Hoist Company will furnish all types of Cranes, both for electric and hand operation, finished complete and ready for work.

CRANE UNIT PARTS. Where the purchaser has facilities for fabrication, and wishes to construct his own Crane, Downs Crane & Hoist Company will furnish any or all of the unit parts required.

CRANE UNIT PARTS AND DRAWINGS. Engineering, design and detailed shop drawings for any type of Crane may be purchased complete. These drawings, with the purchased parts, will enable any well equipped shop to fabricate their own Crane.

TERMS OF SALE

Unless otherwise noted, all quotations are f.o.b. Los Angeles, California.

Full shipping instructions should accompany order.

Terms of payment are 1% 10 days, or net 30 days from date of shipment.

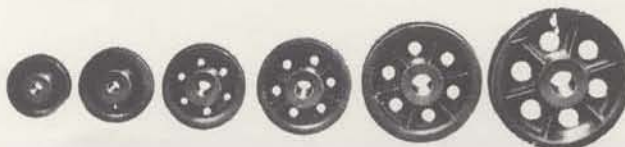
Unless known to us, satisfactory credit references or arrangements must accompany order.

All Federal, State or local taxes, if any, must be added to the quoted prices.

Weights given are net and have been carefully estimated, but are not guaranteed.

Written quotations expire as noted on face thereof.

Verbal quotations are for immediate acceptance.



UNMOUNTED STEEL WHEELS

These double flanged cast steel crane wheels are suitable for all types of power driven cranes. They are designed with treads and flanges of the proper contour to operate on the runway rails with a minimum of friction and wear. The treads may be finished straight, tapered, or crowned. Flanges are heavy and may be finished for lighter rails than the maximum sizes listed. Wheels may be adapted to any style of mounting and fitted with any type of bearing.

Wheels will be furnished either "Rough Cast" or "Finished", as ordered.

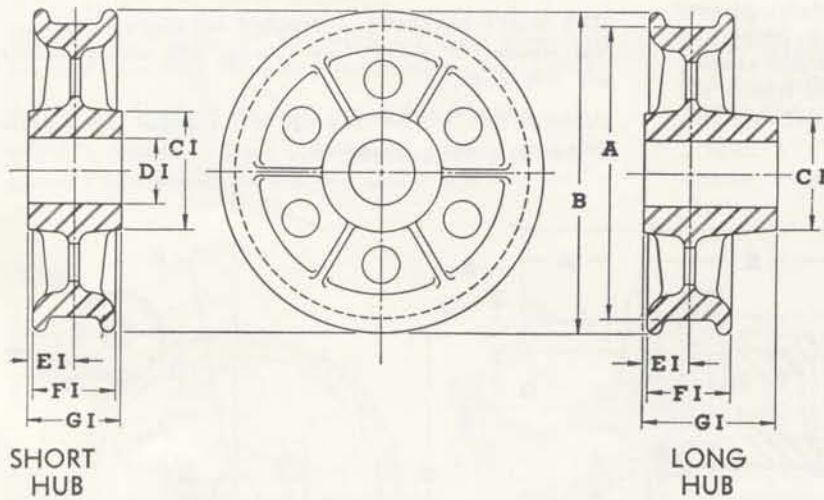
When specified "Rough Cast," they will be supplied

with sufficient excess material to finish to the dimensions listed.

"Finished" wheels will be machined to the purchasers' specifications. Rail size should be specified, otherwise wheels will be finished with straight treads for the maximum size of rail, as listed.

NOTE: The cored hole diameter "DI" may be varied to suit and either the core diameter or finished bore dimension must be specified.

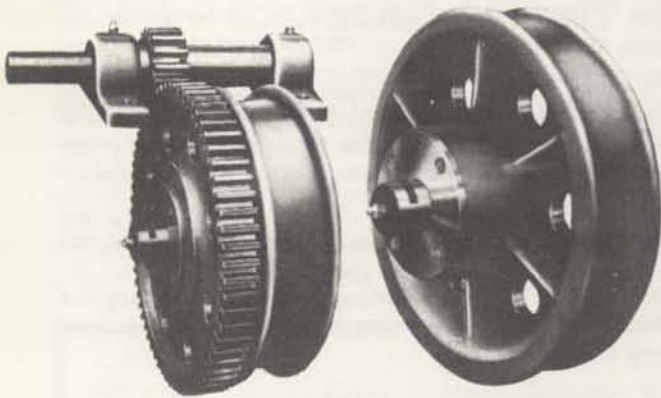
We have a number of wheel patterns, which are not listed, and solicit your inquiries for crane wheels of any style or size.



| ITEM NO. | TREAD DIA. | HUB TYPE | CAPACITY PER WHEEL (LBS.) | FOR MAX. A.S.C.E. RAIL | WEIGHT (LBS.) | DIMENSIONS IN INCHES | | | | | | |
|----------|------------|----------|---------------------------|------------------------|---------------|----------------------|--------|-------|------|---------|-------|-------|
| | | | | | | A | B | CI | DI | EI | FI | GI |
| 3543 | 7-1/2" | SHORT | 8,000 | 30# | 36 | 7-1/2 | 8-3/4 | 4-1/4 | | 1-13/16 | 3-1/8 | 3-5/8 |
| 3549 | 9 | SHORT | 10,000 | 35 | 47 | 9 | 10-1/2 | 4-3/4 | | 1-13/16 | 3-1/8 | 3-5/8 |
| 3555 | 10-1/2 | SHORT | 12,000 | 40 | 63 | 10-1/2 | 11-3/4 | 5-1/4 | | 1-15/16 | 3-3/8 | 3-7/8 |
| 3561 | 12 | SHORT | 12,500 | 40 | 73 | 12 | 13-1/4 | 5-1/2 | | 1-15/16 | 3-3/8 | 3-7/8 |
| 3562 | 12 | LONG | 12,500 | 40 | 81 | 12 | 13-1/4 | 5-1/2 | SEE | 1-15/16 | 3-3/8 | 5-5/8 |
| 3563 | 12 | SHORT | 15,000 | 60 | 97 | 12 | 13-1/2 | 5-1/2 | NOTE | 2-5/16 | 4-1/8 | 4-5/8 |
| 3564 | 12 | LONG | 15,000 | 60 | 106 | 12 | 13-1/2 | 5-1/2 | | 2-5/16 | 4-1/8 | 6-3/8 |
| 3569 | 15 | SHORT | 17,500 | 50 | 115 | 15 | 16-1/2 | 5-3/8 | | 2-3/16 | 3-7/8 | 4-3/8 |
| 3570 | 15 | LONG | 17,500 | 50 | 125 | 15 | 16-1/2 | 5-3/8 | | 2-3/16 | 3-7/8 | 6-3/8 |
| 3573 | 15 | SHORT | 20,000 | 70 | 150 | 15 | 16-1/2 | 6 | | 2-3/8 | 4-1/4 | 4-3/4 |
| 3574 | 15 | LONG | 20,000 | 70 | 160 | 15 | 16-1/2 | 6 | | 2-3/8 | 4-1/4 | 6-3/4 |
| 3577 | 18 | SHORT | 30,000 | 70 | 185 | 18 | 19-1/2 | 7 | | 2-3/8 | 4-1/4 | 4-3/4 |
| 3578 | 18 | LONG | 30,000 | 70 | 206 | 18 | 19-1/2 | 7 | | 2-3/8 | 4-1/4 | 7 |
| 3585 | 21 | SHORT | 50,000 | 80 | 321 | 21 | 22-3/4 | 9-1/4 | | 2-13/16 | 5 | 5-5/8 |
| 3586 | 21 | LONG | 50,000 | 80 | 363 | 21 | 22-3/4 | 9-1/4 | | 2-13/16 | 5 | 8-1/8 |
| 3593 | 24 | SHORT | 70,000 | 100 | 442 | 24 | 25-3/4 | 9-1/2 | | 2-15/16 | 5-1/4 | 5-7/8 |
| 3594 | 24 | LONG | 70,000 | 100 | 464 | 24 | 25-3/4 | 9-1/2 | | 2-15/16 | 5-1/4 | 8-5/8 |

Weights are approximate and will vary. We reserve the right to change design at any time when in our opinion the product will be improved thereby. Dimensions given are in round numbers. A certified dimension print will be furnished upon request with order.

STEEL WHEEL ASSEMBLIES—PIN & KEEPER TYPE



These full ball and roller bearing wheel assemblies are a very popular style for all medium duty, general purpose power driven cranes. They are simple to install and may be quickly removed if, for any reason, inspection or servicing is required. Wheel treads will be finished for the maximum size runway rail as listed, unless specified otherwise on order.

WHEELS — Cast steel, double flanged, with treads finished for the runway rail specified.

WHEEL BEARINGS — Standard quill roller bearings of large capacity. They are carefully fitted in the finished bore of the wheels, and operate directly on the hardened axle which serves as an inner race.

AXLES — Hardened and precision ground to the bearing manufacturers' standard dimensions. Hollow bored for grease. Milled cross slots to receive keeper plates.

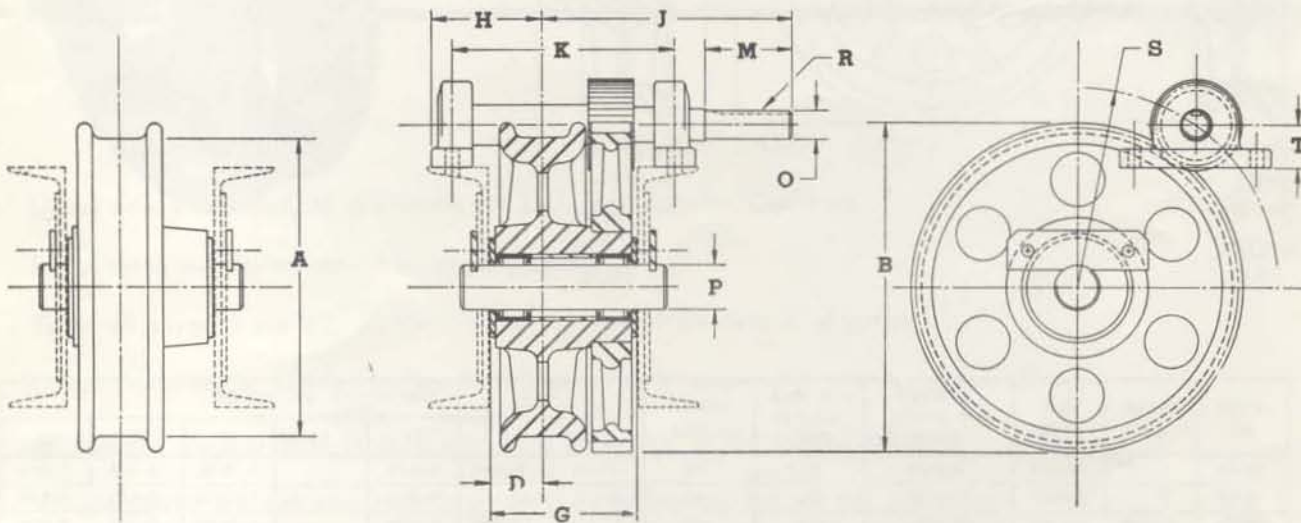
WHEEL GEAR — Cast steel, standard pitch cut teeth, pressed and keyed on finished wheel hub.

PINION GEAR — Steel, standard pitch cut teeth.

STUB SHAFT — Finished all over. Extended end has a standard keyway for coupling to a squaring shaft.

STUB SHAFT BEARINGS — Standard self-aligning ball bearings mounted in journal type housings with sealing washers and snap rings.

LUBRICATION — All bearings are provided with grease fittings for pressure lubrication.



| ITEM NO. | TREAD DIA. | TYPE | CAPACITY PER WHEEL (LBS.) | FOR MAX. A.S.C.E. RAIL | GEAR RATIO | WGT. (LBS.) | DIMENSIONS IN INCHES APPLYING TO BOTH PLAIN & GEARED TYPES | | | | | | | | | | | | | |
|----------|------------|------------|---------------------------|------------------------|------------|-------------|--|--------|--------|--------|--------|---------|--------|-------|---------|-------|-----|-------|--------|--|
| | | | | | | | A | B | D | G | H | J | K | M | O | P | R | S | T | |
| 3621 | 12" | NON-GEARED | 12,500 | 40# | | 103 | 12 | 13-1/4 | 2-3/16 | 6-1/8 | | | | | | 2-1/4 | | | | |
| 3622 | 12 | GEARED | 12,500 | 40 | 4:12-1 | 176 | 12 | 13-1/4 | 2-3/16 | 6-1/8 | 4-5/8 | 11-3/16 | 9 | 4-1/4 | 1-7/16 | 2-1/4 | 3/8 | 8.20 | 2-1/8 | |
| 3623 | 12 | NON-GEARED | 15,000 | 60 | | 129 | 12 | 13-1/2 | 2-9/16 | 6-7/8 | | | | | | 2-1/4 | | | | |
| 3624 | 12 | GEARED | 15,000 | 60 | 4:12-1 | 203 | 12 | 13-1/2 | 2-9/16 | 6-7/8 | 5 | 11-5/8 | 9-3/4 | 4-1/4 | 1-7/16 | 2-1/4 | 3/8 | 8.20 | 2-1/8 | |
| 3629 | 15 | NON-GEARED | 17,500 | 50 | | 155 | 15 | 16-1/2 | 2-7/16 | 6-7/8 | | | | | | 2-1/4 | | | | |
| 3630 | 15 | GEARED | 17,500 | 50 | 4:00-1 | 261 | 15 | 16-1/2 | 2-7/16 | 6-7/8 | 5-1/4 | 12 | 10-1/2 | 4-1/4 | 1-7/16 | 2-1/4 | 3/8 | 10.00 | 2-1/8 | |
| 3633 | 15 | NON-GEARED | 20,000 | 70 | | 177 | 15 | 16-1/2 | 2-5/8 | 7-1/4 | | | | | | 2-1/4 | | | | |
| 3634 | 15 | GEARED | 20,000 | 70 | 4:00-1 | 283 | 15 | 16-1/2 | 2-5/8 | 7-1/4 | 5-7/16 | 12-1/8 | 10-7/8 | 4-1/4 | 1-7/16 | 2-1/4 | 3/8 | 10.00 | 2-1/8 | |
| 3637 | 18 | NON-GEARED | 30,000 | 70 | | 251 | 18 | 19-1/2 | 2-5/8 | 7-1/2 | | | | | | 3-1/4 | | | | |
| 3638 | 18 | GEARED | 30,000 | 70 | 4:11-1 | 475 | 18 | 19-1/2 | 2-5/8 | 7-1/2 | 5-7/16 | 14-1/4 | 11-1/8 | 6 | 1-15/16 | 3-1/4 | 1/2 | 11.50 | 3-1/16 | |
| 3645 | 21 | NON-GEARED | 50,000 | 80 | | 450 | 21 | 22-3/4 | 4-3/16 | 9-7/8 | | | | | | 4 | | | | |
| 3646 | 21 | GEARED | 50,000 | 80 | 4:32-1 | 754 | 21 | 22-3/4 | 4-3/16 | 9-7/8 | 7-1/2 | 15-9/16 | 14 | 6 | 2-7/16 | 4 | 5/8 | 14.16 | 3-3/4 | |
| 3653 | 24 | NON-GEARED | 70,000 | 100 | | 552 | 24 | 25-3/4 | 4-5/16 | 10-3/8 | | | | | | 4-1/2 | | | | |
| 3654 | 24 | GEARED | 70,000 | 100 | 4:11-1 | 958 | 24 | 25-3/4 | 4-5/16 | 10-3/8 | 7-5/8 | 16 | 14-1/2 | 6 | 2-7/16 | 4-1/2 | 5/8 | 15.33 | 3-3/4 | |

Weights are approximate and will vary. We reserve the right to change design at any time when in our opinion the product will be improved thereby. Dimensions given are in round numbers. A certified dimension print will be furnished upon request with order.

STEEL WHEEL ASSEMBLIES—M.C.B. TYPE

These M.C.B. type assemblies are the finest heavy duty wheels made. They are equipped throughout with standard self-aligning bearings, which take all thrust, as well as radial loads. The wide bearing spacing, made possible by the outboard style of mounting, is a decided advantage in properly distributing the combined thrust and radial loads encountered in crane operation. The outer race of one bearing on each shaft has a small amount of float to provide for expansion of the shaft. Bearings may be inspected by removing the cover plates.

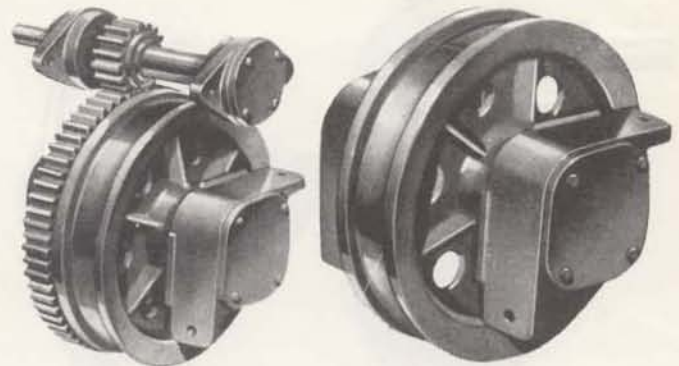
WHEELS — Cast steel, double flanged, with treads finished for the runway rails specified.

WHEEL BEARINGS — Standard heavy duty, self-aligning, spherical roller bearings.

WHEEL BEARING HOUSINGS — Cast steel with finished mounting faces and removable cover plates.

AXLES — Finished all over, pressed in wheel.

WHEEL GEAR — Steel with standard pitch cut teeth, pressed and keyed on finished wheel hub.

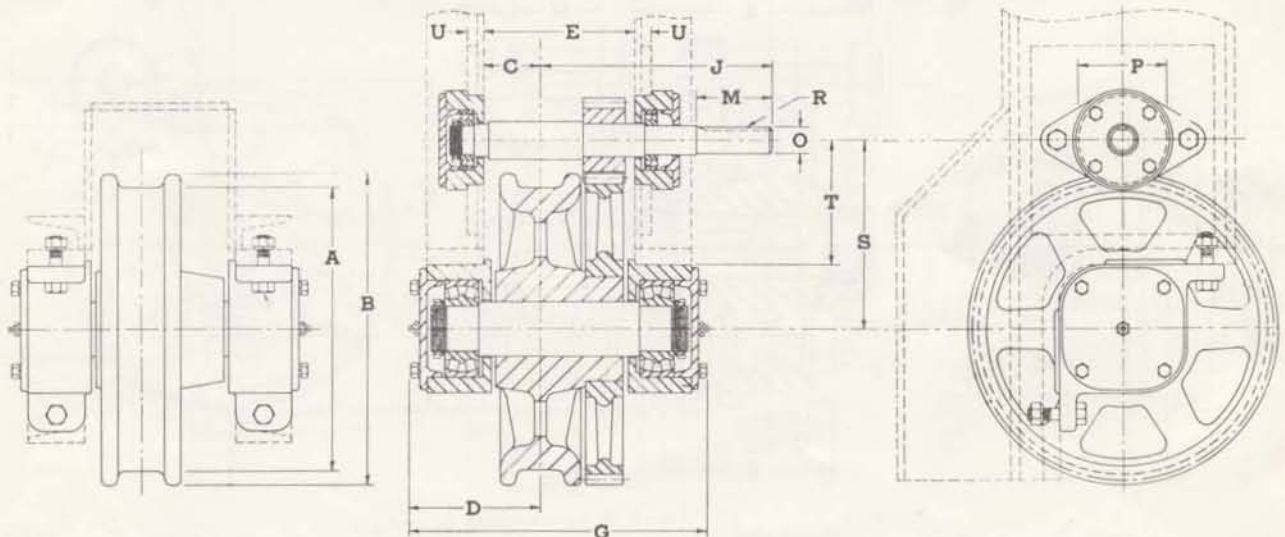


PINION GEAR — Steel with standard pitch cut teeth.

STUB SHAFT — Finished all over, extended end has a standard keyway for coupling to a squaring shaft.

STUB SHAFT BEARINGS — Standard self-aligning ball bearings mounted in flange type housings with removable cover plates.

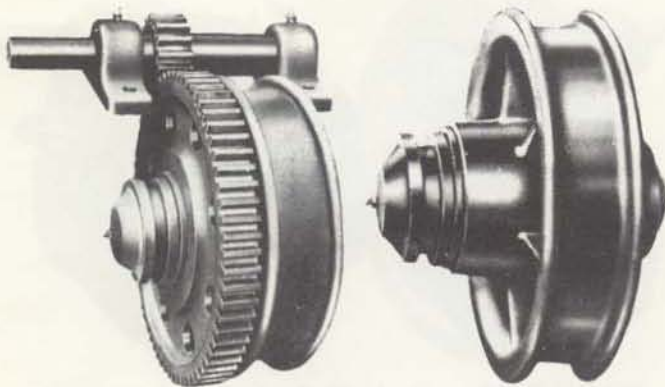
LUBRICATION — All bearings are provided with grease fittings for pressure lubrication.



| ITEM NO. | TREAD DIA. | TYPE | CAPACITY PER WHEEL (LBS.) | FOR MAX A.S.C.E. RAIL | GEAR RATIO | WGT. (LBS.) | DIMENSIONS IN INCHES APPLYING TO BOTH PLAIN & GEARED TYPES | | | | | | | | | | | | | | |
|----------|------------|------------|---------------------------|-----------------------|------------|-------------|--|--------|-------|-------|-------|--------|--------|-------|--------|-------|-----|-------|------|-------|--|
| | | | | | | | A | B | C | D | E | G | J | M | O | P | R | S | T | U | |
| 3893 | 15 | NON-GEARED | 20,000 | 70 | | 267 | 15 | 16-1/2 | 3 | 6-7/8 | 8 | 15-3/4 | | | | | | | | | |
| 3894 | 15 | GEARED | 20,000 | 70 | 4.00-1 | 377 | 15 | 16-1/2 | 3 | 6-7/8 | 8 | 15-3/4 | 12-1/2 | 4-1/4 | 1-7/16 | 4-3/4 | 3/8 | 10.00 | 6.63 | 7/8 | |
| 3895 | 18 | NON-GEARED | 30,000 | 70 | | 355 | 18 | 19-1/2 | 3 | 7 | 8-1/4 | 16-1/4 | | | | | | | | | |
| 3896 | 18 | GEARED | 30,000 | 70 | 4.11-1 | 518 | 18 | 19-1/2 | 3 | 7 | 8-1/4 | 16-1/4 | 15 | 6 | 1-5/16 | 6 | 1/2 | 11.50 | 7.63 | 1 | |
| 3897 | 21 | NON-GEARED | 50,000 | 80 | | 578 | 21 | 22-3/4 | 3-1/2 | 8 | 9-1/2 | 18-1/2 | | | | | | | | | |
| 3898 | 21 | GEARED | 50,000 | 80 | 4.32-1 | 845 | 21 | 22-3/4 | 3-1/2 | 8 | 9-1/2 | 18-1/2 | 16 | 6 | 2-7/16 | 7 | 5/8 | 14.17 | 9.67 | 1-1/8 | |
| 3899 | 24 | NON-GEARED | 70,000 | 100 | | 825 | 24 | 25-3/4 | 3-5/8 | 8-7/8 | 10 | 20-1/2 | | | | | | | | | |
| 3900 | 24 | GEARED | 70,000 | 100 | 4.11-1 | 1197 | 24 | 25-3/4 | 3-5/8 | 8-7/8 | 10 | 20-1/2 | 16-7/8 | 6 | 2-7/16 | 7-1/2 | 5/8 | 15.33 | 9.83 | 1-1/4 | |

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STEEL WHEEL ASSEMBLIES—CARTRIDGE BEARING TYPE



These full ball and roller bearing wheel assemblies are suitable for medium to heavy service. The cartridge type bearing housings are designed to be mounted in the truck members with a small amount of side clearance, and held in place with a keeper plate. This slight looseness will allow the bearings to align themselves for proper distribution of the load.

WHEELS — Cast steel, double flanged, with treads finished for the runway rail specified.

WHEEL BEARINGS — Standard heavy duty quill roller bearings with inner races and a large overload capacity.

WHEEL BEARING HOUSINGS — Outboard cartridge type with a flat surface for a keeper plate to bear against, and a machined mounting groove.

AXLES — Finished all over, pressed in finished wheel bore.

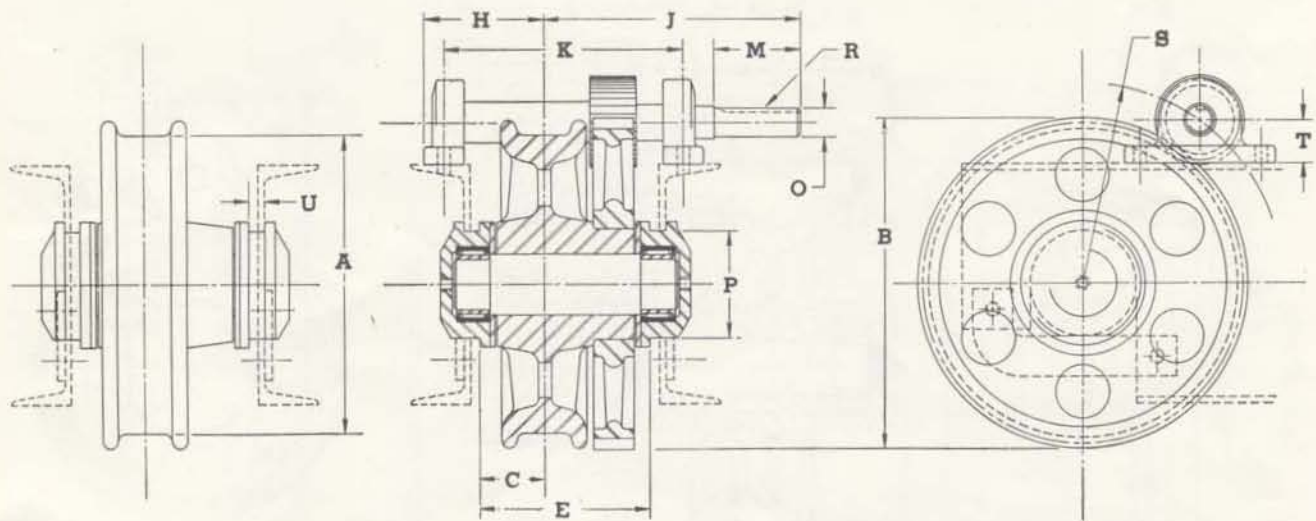
WHEEL GEAR — Steel with standard pitch cut teeth, pressed and keyed on finished wheel hub.

PINION GEAR — Steel with standard pitch cut teeth.

STUB SHAFT — Finished all over, extended end has a standard keyway for coupling to a squaring shaft.

STUB SHAFT BEARINGS — Standard self-aligning ball bearings mounted in journal type housings with sealing washers and snap rings.

LUBRICATION — All bearings are provided with grease fittings for pressure lubrication.



| ITEM NO. | TREAD DIA. | TYPE | CAPACITY PER WHEEL (LBS) | FOR MAX. A.S.C.E. RAIL | GEAR RATIO | WGT. (LBS.) | DIMENSIONS IN INCHES APPLYING TO BOTH PLAIN & GEARED TYPES | | | | | | | | | | | | | |
|----------|------------|------------|--------------------------|------------------------|------------|-------------|--|--------|--------|---------|-------|--------|---------|-------|---------|-------|-----|-------|--------|-------|
| | | | | | | | A | B | C | E | H | J | K | M | O | P | R | S | T | U |
| 3681 | 12" | NON-GEARED | 12,500 | 40 [#] | | 131 | 12 | 13-1/4 | 2-3/4 | 7-3/16 | | | | | | | | | | |
| 3682 | 12 | GEARED | 12,500 | 40 | 4.12-1 | 205 | 12 | 13-1/4 | 2-3/4 | 7-3/16 | 5-3/8 | 12 | 10-9/16 | 4-1/4 | 1-7/16 | 5 | 3/8 | 8.20 | 2-1/8 | 13/16 |
| 3683 | 12 | NON-GEARED | 15,000 | 60 | | 158 | 12 | 13-1/4 | 3-1/8 | 7-15/16 | | | | | | | | | | |
| 3684 | 12 | GEARED | 15,000 | 60 | 4.12-1 | 233 | 12 | 13-1/4 | 3-1/8 | 7-15/16 | 5-3/4 | 12-3/8 | 11-5/16 | 4-1/4 | 1-7/16 | 5 | 3/8 | 8.20 | 2-1/8 | 13/16 |
| 3689 | 15 | NON-GEARED | 17,500 | 50 | | 177 | 15 | 16-1/2 | 3 | 7-15/16 | | | | | | | | | | |
| 3690 | 15 | GEARED | 17,500 | 50 | 4.00-1 | 284 | 15 | 16-1/2 | 3 | 7-15/16 | 5-3/4 | 12-1/2 | 11-7/16 | 4-1/4 | 1-7/16 | 5 | 3/8 | 10.00 | 2-1/8 | 13/16 |
| 3693 | 15 | NON-GEARED | 20,000 | 70 | | 212 | 15 | 16-1/2 | 3-3/16 | 8-5/16 | | | | | | | | | | |
| 3694 | 15 | GEARED | 20,000 | 70 | 4.00-1 | 320 | 15 | 16-1/2 | 3-3/16 | 8-5/16 | 6 | 12-3/4 | 11-7/8 | 4-1/4 | 1-7/16 | 5 | 3/8 | 10.00 | 2-1/8 | 13/16 |
| 3697 | 18 | NON-GEARED | 30,000 | 70 | | 344 | 18 | 19-1/2 | 3-3/16 | 8-9/16 | | | | | | | | | | |
| 3698 | 18 | GEARED | 30,000 | 70 | 4.11-1 | 495 | 18 | 19-1/2 | 3-3/16 | 8-9/16 | 6 | 15 | 12-1/16 | 6 | 1-15/16 | 5 | 1/2 | 11.50 | 3-1/16 | 13/16 |
| 3705 | 21 | NON-GEARED | 50,000 | 80 | | 443 | 21 | 22-3/4 | 3-5/8 | 9-3/4 | | | | | | | | | | |
| 3706 | 21 | GEARED | 50,000 | 80 | 4.32-1 | 837 | 21 | 22-3/4 | 3-5/8 | 9-3/4 | 6-5/8 | 16 | 13-1/4 | 6 | 2-7/16 | 6-1/2 | 5/8 | 14.16 | 3-3/4 | 15/16 |
| 3713 | 24 | NON-GEARED | 70,000 | 100 | | 596 | 24 | 25-3/4 | 3-3/4 | 10-1/4 | | | | | | | | | | |
| 3714 | 24 | GEARED | 70,000 | 100 | 4.11-1 | 971 | 24 | 25-3/4 | 3-3/4 | 10-1/4 | 6-7/8 | 16 | 14 | 6 | 2-7/16 | 6-1/2 | 5/8 | 15.33 | 3-3/4 | 15/16 |

Weights are approximate and will vary. We reserve the right to change design at any time when in our opinion the product will be improved thereby. Dimensions given are in round numbers. A certified dimension print will be furnished upon request with order.

STEEL WHEEL ASSEMBLIES—DIRECT DRIVE TYPE

These roller bearing wheel assemblies are for use where it is desired to couple the drive or squaring shaft direct to the axle without a gear reduction at the wheels. The cartridge type housing should be installed in the truck members with a small amount of side play so that bearings can align themselves under operating conditions. This style of wheel may also be supplied with the M.C.B. type housings and self-aligning spherical roller bearings.

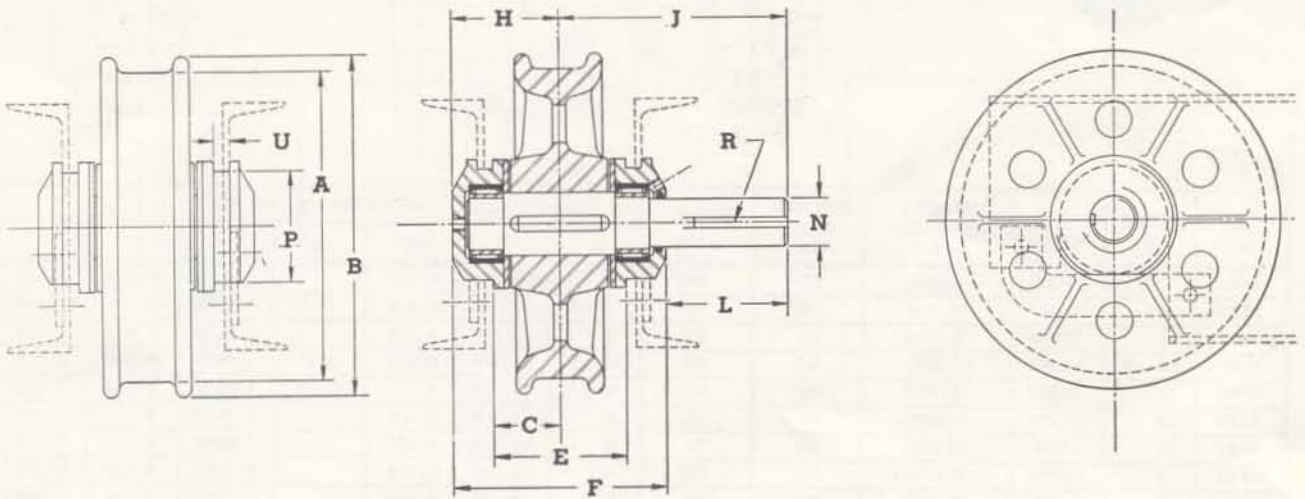
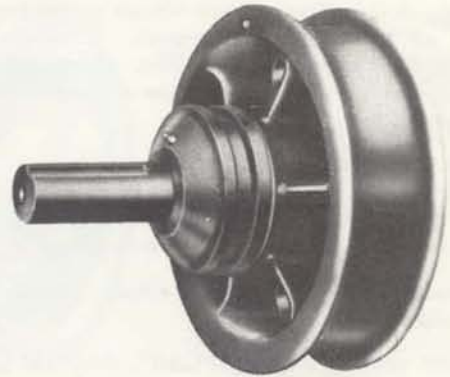
WHEELS — Cast steel, double flanged, with treads finished for the runway rail specified.

WHEEL BEARINGS — Standard heavy duty quill type roller bearings with inner races and a large overload capacity.

WHEEL BEARING HOUSINGS—Outboard cartridge type with a flat surface for a keeper plate to bear against and a machined mounting groove.

AXLES — Finished all over, pressed and keyed in finished wheel bore. Long shaft extension on driving wheel axle is fitted with a standard keyway for coupling direct to a squaring shaft.

LUBRICATION — All bearings are provided with grease fittings for pressure lubrication.



| ITEM NO. | TREAD DIA. | TYPE | CAPACITY PER WHEEL (LBS.) | FOR MAX. A.S.C.E. RAIL | WGT. (LBS.) | DIMENSIONS IN INCHES APPLYING TO BOTH SHORT & LONG SHAFT TYPES | | | | | | | | | | | |
|----------|------------|-------------|---------------------------|------------------------|-------------|--|--------|--------|---------|--------|--------|--------|---------|---------|-------|-----|-------|
| | | | | | | A | B | C | E | F | H | J | L | N | P | R | U |
| 3735 | 10-1/2" | SHORT SHAFT | 12,000 | 40# | 110 | 10-1/2 | 11-3/4 | 2-3/4 | 5-7/16 | 9-1/4 | 4-5/8 | | | | 5 | | 13/16 |
| 3736 | 10-1/2" | LONG SHAFT | 12,000 | 40 | 120 | 10-1/2 | 11-3/4 | 2-3/4 | 5-7/16 | 9-1/4 | 4-5/8 | 10 | 5-3/8 | 1-15/16 | 5 | 1/2 | 13/16 |
| 3741 | 12 | SHORT SHAFT | 12,500 | 40 | 120 | 12 | 13-1/4 | 2-3/4 | 5-7/16 | 9-1/4 | 4-5/8 | | | | 5 | | 13/16 |
| 3742 | 12 | LONG SHAFT | 12,500 | 40 | 130 | 12 | 13-1/4 | 2-3/4 | 5-7/16 | 9-1/4 | 4-5/8 | 10 | 5-3/8 | 1-15/16 | 5 | 1/2 | 13/16 |
| 3743 | 12 | SHORT SHAFT | 15,000 | 60 | 154 | 12 | 13-1/4 | 3-1/8 | 6-3/16 | 10 | 5 | | | | 5 | | 13/16 |
| 3744 | 12 | LONG SHAFT | 15,000 | 60 | 165 | 12 | 13-1/4 | 3-1/8 | 6-3/16 | 10 | 5 | 10-1/2 | 5-1/2 | 1-15/16 | 5 | 1/2 | 13/16 |
| 3749 | 15 | SHORT SHAFT | 17,500 | 50 | 177 | 15 | 16-1/2 | 3 | 5-15/16 | 9-3/4 | 4-7/8 | | | | 5 | | 13/16 |
| 3750 | 15 | LONG SHAFT | 17,500 | 50 | 184 | 15 | 16-1/2 | 3 | 5-15/16 | 9-3/4 | 4-7/8 | 10-3/8 | 5-1/2 | 1-15/16 | 5 | 1/2 | 13/16 |
| 3753 | 15 | SHORT SHAFT | 20,000 | 70 | 208 | 15 | 16-1/2 | 3-3/16 | 6-5/16 | 10-1/8 | 5-1/16 | | | | 5 | | 13/16 |
| 3754 | 15 | LONG SHAFT | 20,000 | 70 | 221 | 15 | 16-1/2 | 3-3/16 | 6-5/16 | 10-1/8 | 5-1/16 | 11 | 5-15/16 | 1-15/16 | 5 | 1/2 | 13/16 |
| 3757 | 18 | SHORT SHAFT | 30,000 | 70 | 259 | 18 | 19-1/2 | 3-3/16 | 6-5/16 | 10-1/8 | 5-1/16 | | | | 5 | | 13/16 |
| 3758 | 18 | LONG SHAFT | 30,000 | 70 | 275 | 18 | 19-1/2 | 3-3/16 | 6-5/16 | 10-1/8 | 5-1/16 | 11-1/4 | 6-3/16 | 2-7/16 | 5 | 5/8 | 13/16 |
| 3765 | 21 | SHORT SHAFT | 50,000 | 80 | 436 | 21 | 22-3/4 | 3-5/8 | 7-1/4 | 11-1/8 | 5-9/16 | | | | 5-3/4 | | 13/16 |
| 3766 | 21 | LONG SHAFT | 50,000 | 80 | 457 | 21 | 22-3/4 | 3-5/8 | 7-1/4 | 11-1/8 | 5-9/16 | 12-1/2 | 6-15/16 | 2-11/16 | 5-3/4 | 5/8 | 13/16 |
| 3773 | 24 | SHORT SHAFT | 70,000 | 100 | 575 | 24 | 25-3/4 | 3-3/4 | 7-1/2 | 12 | 6 | | | | 6-1/2 | | 15/16 |
| 3774 | 24 | LONG SHAFT | 70,000 | 100 | 597 | 24 | 25-3/4 | 3-3/4 | 7-1/2 | 12 | 6 | 13 | 7 | 2-15/16 | 6-1/2 | 3/4 | 15/16 |

UNMOUNTED IRON WHEELS

These double flanged iron wheels are entirely suitable for all hand operated cranes. They may also be used for power driven cranes where the service is light and travel speeds are low and of an intermittent nature.

The treads are designed with a proper contour for operating on standard runway rails with a minimum of friction and wear. The hubs are large and may be adapted to any style of mounting.

Wheels will be furnished either "Rough Cast" or "Finished", as ordered.

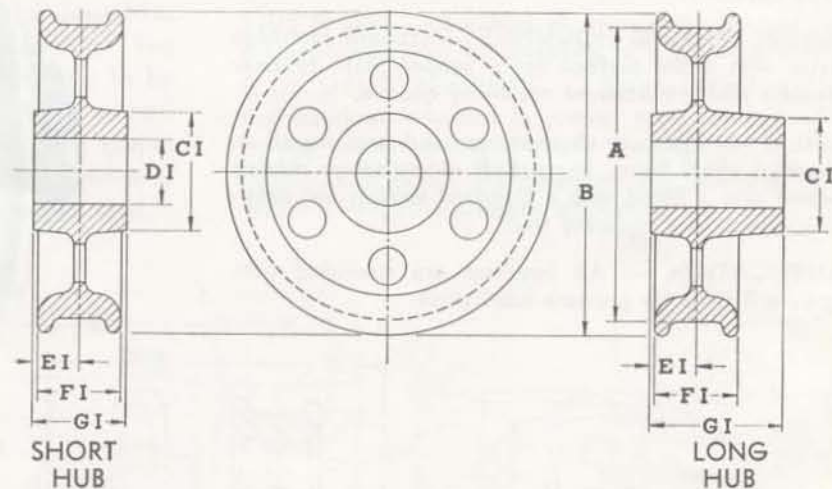
When specified "Rough Cast", they will be supplied

with sufficient excess material to finish to the dimensions listed.

"Finished" wheels will be machined to the purchaser's specifications. Rail size should be specified, otherwise wheels will be finished with straight treads for the maximum size of rail, as listed.

NOTE: The cored hole diameter "DI" may be varied to suit and either the core diameter or finished bore dimension must be specified.

We have a number of wheel patterns, which are not listed, and solicit your inquiries for crane wheels of any style or size.



| ITEM NO. | TREAD DIA. | HUB TYPE | CAPACITY PER WHEEL (LBS.) | FOR MAX. A.S.C.E. RAIL | WEIGHT (LBS.) | DIMENSIONS IN INCHES | | | | | | |
|----------|------------|----------|---------------------------|------------------------|---------------|----------------------|--------|-------|------|---------|--------|--------|
| | | | | | | A | B | CI | DI | EI | FI | GI |
| 3781 | 7-1/2" | SHORT | 5,000 | 30* | 36 | 7-1/2 | 8-3/4 | 4-1/4 | | 1-13/16 | 3-1/8 | 3-5/8 |
| 3783 | 9 | SHORT | 6,000 | 35 | 47 | 9 | 10-1/2 | 4-3/4 | | 1-13/16 | 3-1/8 | 3-5/8 |
| 3784 | 9 | LONG | 6,000 | 35 | 51 | 9 | 10-1/4 | 4-1/4 | | 1-15/16 | 3-5/16 | 5-1/16 |
| 3785 | 10-1/2 | SHORT | 7,500 | 40 | 63 | 10-1/2 | 11-3/4 | 5-1/4 | SEE | 1-15/16 | 3-3/8 | 3-7/8 |
| 3787 | 12 | SHORT | 5,000 | 30 | 49 | 12 | 15-1/4 | 3 | NOTE | 1-13/16 | 3-1/8 | 3-5/8 |
| 3789 | 12 | SHORT | 10,000 | 40 | 73 | 12 | 13-1/4 | 5-1/2 | | 1-15/16 | 3-3/8 | 3-7/8 |
| 3790 | 12 | LONG | 10,000 | 40 | 65 | 12 | 13-1/4 | 5-1/4 | | 1-15/16 | 3-3/8 | 5-3/8 |
| 3791 | 15 | SHORT | 15,000 | 50 | 72 | 15 | 16-1/2 | 5-7/8 | | 2-3/16 | 3-7/8 | 4-3/8 |
| 3792 | 15 | LONG | 15,000 | 50 | 83 | 15 | 16-1/2 | 5-7/8 | | 2-3/16 | 3-7/8 | 6-1/8 |
| 3797 | 18 | SHORT | 20,000 | 60 | 139 | 18 | 19-3/8 | 6-5/8 | | 2-7/16 | 4-1/8 | 4-7/8 |
| 3798 | 18 | LONG | 20,000 | 60 | 153 | 18 | 19-3/8 | 6-5/8 | | 2-7/16 | 4-1/8 | 6-7/8 |

NOTES ON THE USE OF CRANE WHEELS

Wheels should be installed on a crane in such manner that they may be easily and quickly removed or replaced. This is a detail which, if overlooked, may mean a costly delay at some future time.

Driving wheel tread diameters should be matched as closely as possible to insure even travel on the runway.

Cranes should not be accelerated or decelerated at such a

rate as to cause the wheels to slip or spin. This will cause excessive wear, flat spots, and frequent wheel repairs.

All large structures, such as a crane or runway, will weave and deflect more or less under variations of loading, speed and runway conditions. The wheels should, therefore, be mounted in such a manner that they can readily adjust themselves to this condition without imposing severe overloads on bearings or other parts.

Crane runways must be straight, level, and parallel. Crooked or kinked rails will cause excessive wheel-flange loads and wear.

Weights are approximate and will vary. We reserve the right to change design at any time when in our opinion the product will be improved thereby. Dimensions given are in round numbers. A certified dimension print will be furnished upon request with order.

IRON WHEEL ASSEMBLIES—PIN & KEEPER TYPE

Complete wheel assemblies ready for mounting in end truck frames. They are suitable for all hand operated cranes and may be used for power operation where the travel speeds are low and of an intermittent nature.

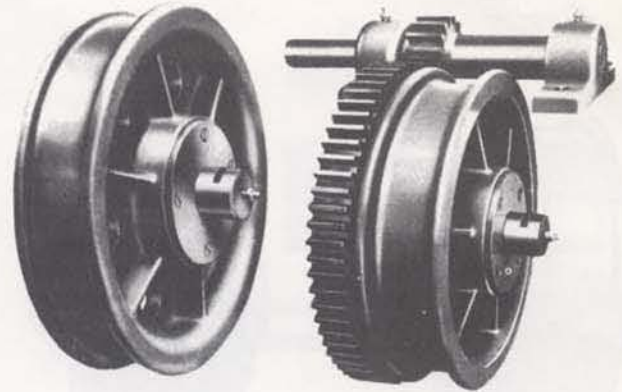
WHEELS — Grey iron, double flanged, with treads finished to fit the runway rail specified.

WHEEL BEARINGS — Standard quill roller bearings with a large overload capacity. They are carefully fitted in finished bore of the wheels and operate directly on the hardened axle which serves as inner race.

AXLES — Hardened and precision ground to the bearing manufacturers' standard dimensions. They are hollow bored for grease, and have a milled cross slot for the keeper plate.

WHEEL GEAR — Grey iron with standard pitch cut teeth. Pressed and keyed on finished wheel hub.

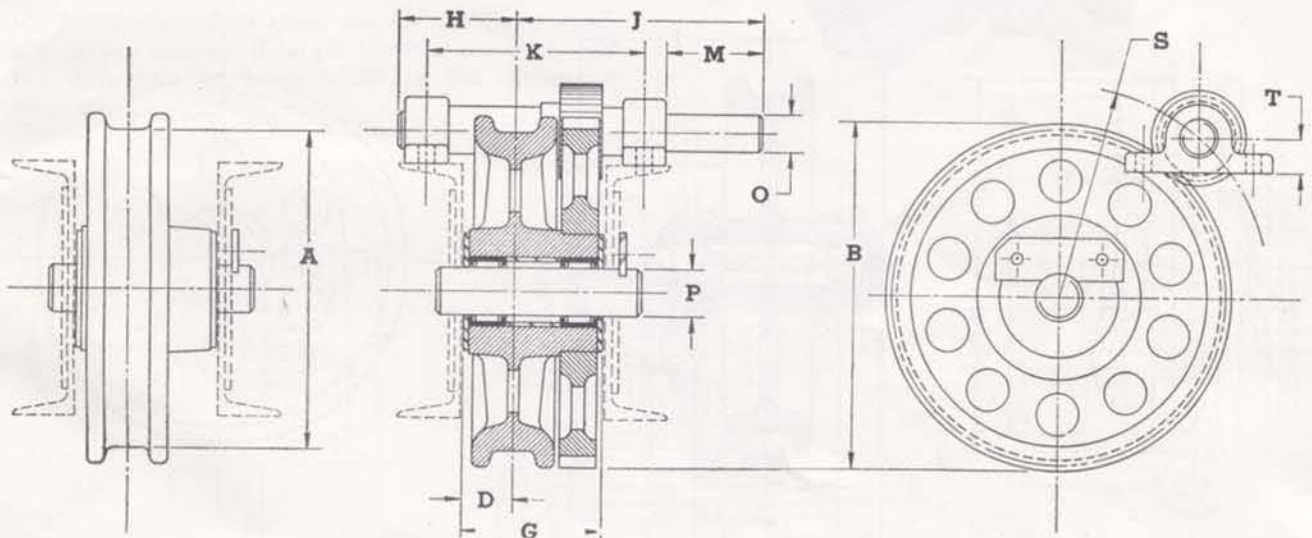
PINION GEAR — Steel with standard pitch cut teeth.



STUB SHAFT — Extended for coupling directly to a squaring shaft.

STUB SHAFT BEARINGS — Plain grey iron journal type housings with machined grease groove.

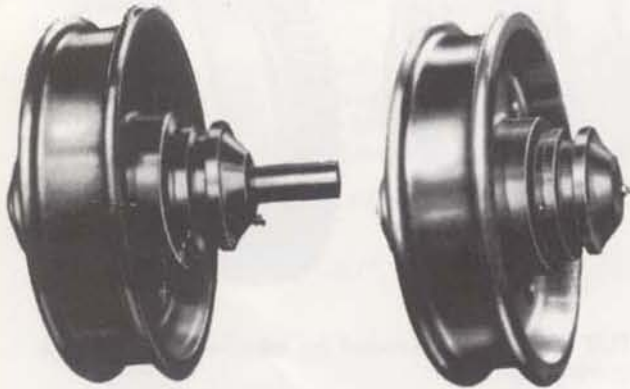
LUBRICATION — All bearings are provided with grease fittings for pressure lubrication.



| ITEM NO. | TREAD DIA. | TYPE | CAPACITY PER WHEEL (LBS.) | FOR MAX. A. S. C. E. RAIL | GEAR RATIO | WGT. (LBS.) | DIMENSIONS IN INCHES APPLYING TO BOTH PLAIN & GEARED TYPES | | | | | | | | | | | |
|----------|------------|------------|---------------------------|---------------------------|------------|-------------|--|--------|---------|--------|-------|--------|---------|-------|--------|-------|-------|--------|
| | | | | | | | A | B | D | G | H | J | K | M | O | P | S | T |
| 3803 | 9 | NON-GEARED | 6,000 | 35# | | 62 | 9 | 10-1/2 | 2-3/16 | 5-9/16 | | | | | | | 1-5/8 | |
| 3804 | 9 | GEARED | 6,000 | 35 | 3.75-1 | 95 | 9 | 10-1/2 | 2-3/16 | 5-9/16 | 4-1/8 | 7-1/2 | 7-15/16 | 2-1/4 | 1-3/16 | 1-5/8 | 6.33 | 1-3/16 |
| 3809 | 12 | NON-GEARED | 10,000 | 40 | | 83 | 12 | 13-1/4 | 2-3/16 | 5-7/8 | | | | | | | 2-1/4 | |
| 3810 | 12 | GEARED | 10,000 | 40 | 4.12-1 | 141 | 12 | 13-1/4 | 2-3/16 | 5-7/8 | 4-7/8 | 10 | 9 | 3-3/4 | 1-7/16 | 2-1/4 | 8.20 | 1-5/8 |
| 3811 | 15 | NON-GEARED | 15,000 | 50 | | 103 | 15 | 16-1/2 | 2-7/16 | 6-5/8 | | | | | | | 2-1/4 | |
| 3812 | 15 | GEARED | 15,000 | 50 | 4.00-1 | 205 | 15 | 16-1/2 | 2-7/16 | 6-5/8 | 5-1/2 | 11-1/2 | 10-1/4 | 4-1/2 | 1-3/4 | 2-1/4 | 10.00 | 1-5/8 |
| 3817 | 18 | NON-GEARED | 20,000 | 60 | | 183 | 18 | 19-3/8 | 2-11/16 | 7-3/8 | | | | | | | 2-3/4 | |
| 3818 | 18 | GEARED | 20,000 | 60 | 4.11-1 | 322 | 18 | 19-3/8 | 2-11/16 | 7-3/8 | 5-3/4 | 12-1/2 | 10-1/2 | 5 | 1-7/8 | 2-3/4 | 11.50 | 2 |

Weights are approximate and will vary. We reserve the right to change design at any time when in our opinion the product will be improved thereby. Dimensions given are in round numbers. A certified dimension print will be furnished upon request with order.

IRON WHEEL ASSEMBLIES—DIRECT DRIVE TYPE



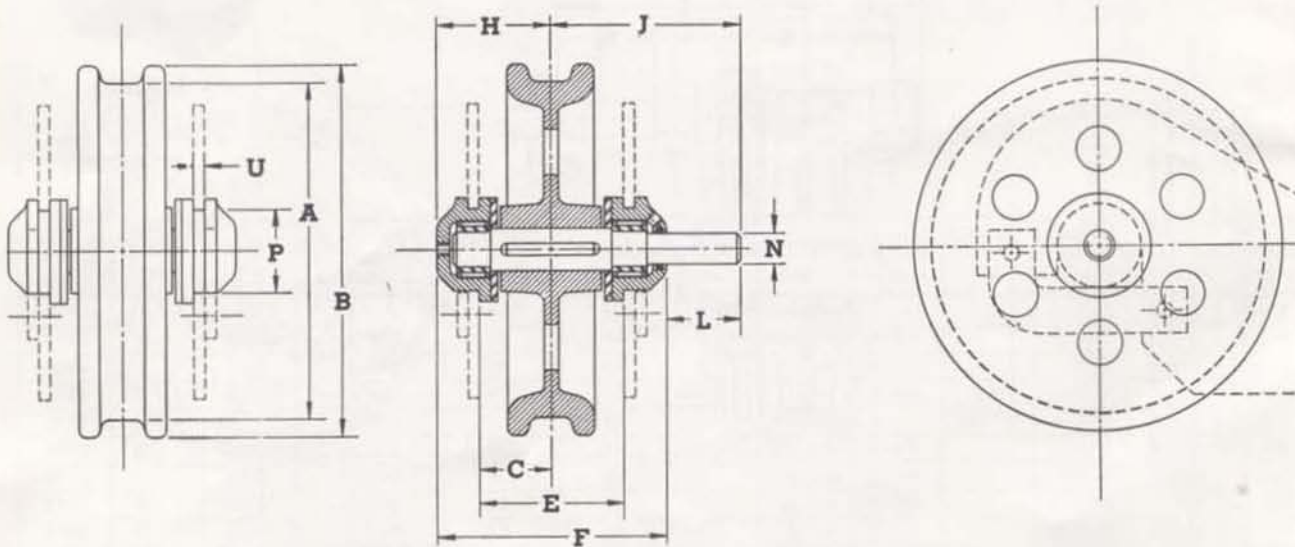
Light, free running, full roller bearing wheel assemblies ready for mounting in end truck frames. They are suitable for push type hand cranes, or other similar service where a gear reduction at the wheel is not required. The cartridge type housings should be mounted in the end truck frames with a small amount of side clearance so that bearings may properly align themselves without binding.

WHEELS — Grey iron, double flanged, with treads finished to fit the runway rail specified.

WHEEL BEARING HOUSINGS—Outboard cartridge type, with a flat surface for keeper plate and machined groove for mounting in truck frame.

AXLES — Finished all over, pressed and keyed in finished wheel bore. The long shaft extension on driving wheel axle is for coupling directly to a squaring shaft.

LUBRICATION — All bearings are provided with grease fittings for pressure lubrication.



| ITEM NO. | TREAD DIA. | TYPE | CAPACITY PER WHEEL (LBS.) | FOR MAX. A.S.C.E. RAIL | WEIGHT (LBS.) | DIMENSIONS IN INCHES APPLYING TO BOTH SHORT & LONG SHAFT TYPES | | | | | | | | | | |
|----------|------------|-------------|---------------------------|------------------------|---------------|--|--------|---------|--------|-------|--------|--------|--------|--------|-------|------|
| | | | | | | A | B | C | E | F | H | J | L | N | P | U |
| 3847 | 12" | SHORT SHAFT | 5,000 | 30 [#] | 64 | 12 | 13-1/4 | 2-9/16 | 5-1/16 | 8-1/8 | | | | | 3 | 7/16 |
| 3848 | 12 | LONG SHAFT | 5,000 | 30 | 66 | 12 | 13-1/4 | 2-9/16 | 5-1/16 | 8-1/8 | 4-1/16 | 6-5/8 | 2-9/16 | 1-3/16 | 3 | 7/16 |
| 3849 | 12 | SHORT SHAFT | 10,000 | 40 | 100 | 12 | 13-1/4 | 2-11/16 | 5-3/8 | 8-7/8 | | | | | 3-3/4 | 5/8 |
| 3850 | 12 | LONG SHAFT | 10,000 | 40 | 102 | 12 | 13-1/4 | 2-11/16 | 5-3/8 | 8-7/8 | 4-2/16 | 7-2/16 | 3 | 1-2/16 | 3-3/4 | 5/8 |

Weights are approximate and will vary. We reserve the right to change design at any time when in our opinion the product will be improved thereby. Dimensions given are in round numbers. A certified dimension print will be furnished upon request with order.

IRON WHEEL ASSEMBLIES—SINGLE FLANGE TYPE

Single flange wheels are suitable for use on underhung cranes and trolleys. The plain wheels may be used on light free running push cranes. For heavier service or longer spans, geared wheels should be used to drive the crane and keep it square on the runway.

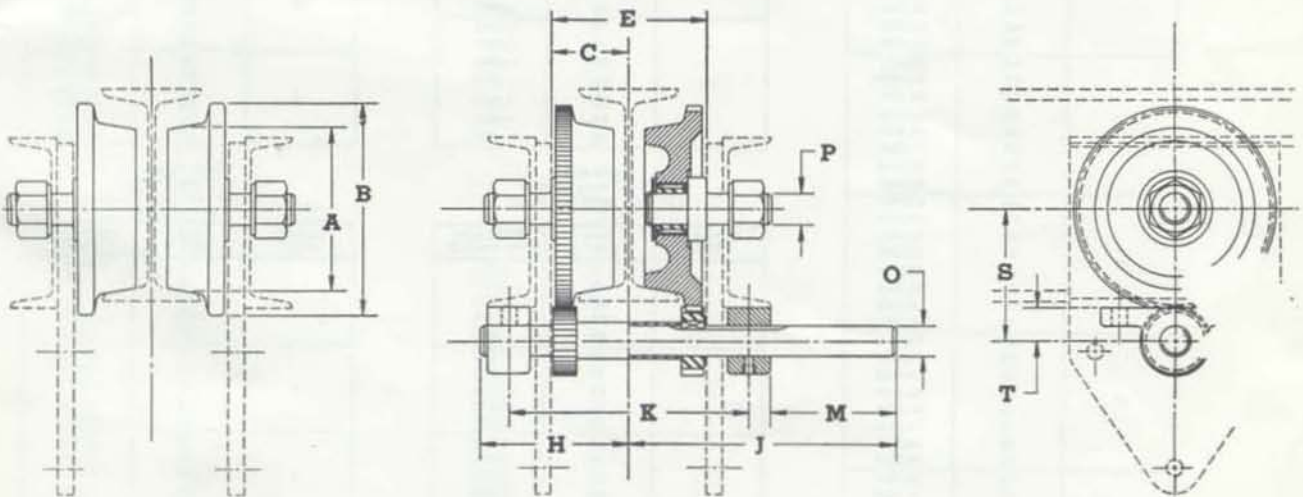
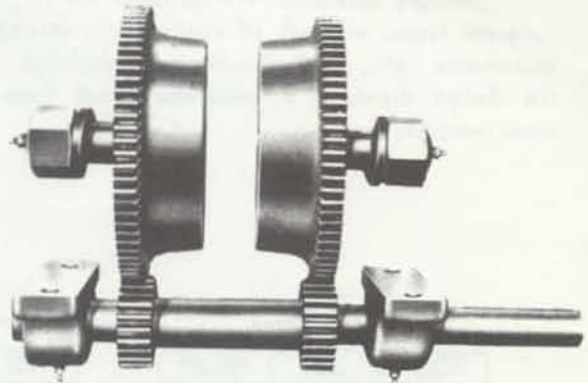
The wheel treads are designed with the proper taper to operate on the lower flanges of standard beam sections. These wheels may be fitted with quill type roller bearings or ball bearings, either of which may be specified. Axles are machined all over, hollow bored for grease, and are fitted with a heavy nut. The axle collar has a milled cross flat which is to be set against a key or lug on the truck members to prevent the axle from turning or working loose.

Gears are of standard pitch with machine cut teeth. The pinion shaft is provided with a long keyway and spacing sleeve between the pinions for adjusting the width to fit various sizes of runway beam sections. This shaft is supported in plain journal bearings with holes for bolting to the truck members. The shaft extension is for coupling directly to a squaring shaft.

All bearings are provided with grease fittings for pressure lubrication.

The weights given below are for one pair of (two) wheels and the capacities are for each (one) wheel.

Horizontal dimensions given are for minimum, standard runway beams. If larger sections are used, add the difference in flange width to the dimensions affected.



| ITEM NO. | TREAD DIA. | TYPE | CAPACITY PER WHEEL (LBS.) | MIN. STD. BEAM SIZE | GEAR RATIO | WGT. (LBS.) | DIMENSIONS IN INCHES APPLYING TO BOTH PLAIN & GEARED TYPES | | | | | | | | | | | | | |
|----------|------------|------------|---------------------------|---------------------|------------|-------------|--|-------|---------|--------|-------|--------|--------|-------|--------|-------|-------|--------|--|--|
| | | | | | | | A | B | C | E | H | J | K | M | O | P | S | T | | |
| 3873 | 4" | NON-GEARED | 1,000 | 6"-12.5" | | 24 | 4 | 5-3/8 | 2-1/2 | 5 | | | | | | | 1 | | | |
| 3875 | 5 | NON-GEARED | 1,500 | 7-15.3 | | 39 | 5 | 6-1/2 | 3 | 6 | | | | | | | 1-1/4 | | | |
| 3876 | 5 | GEARED | 1,500 | 7-15.3 | 2.50-1 | 52 | 5 | 6-1/2 | 3 | 6 | 5-1/2 | 9-7/8 | 9-1/4 | 4-5/8 | 1-3/16 | 1-1/4 | 4-3/8 | 1-3/16 | | |
| 3877 | 6 | NON-GEARED | 2,000 | 8-18.4 | | 43 | 6 | 7-3/4 | 3-3/16 | 6-3/8 | | | | | | | 1-1/4 | | | |
| 3878 | 6 | GEARED | 2,000 | 8-18.4 | 3.00-1 | 60 | 6 | 7-3/4 | 3-3/16 | 6-3/8 | 5-7/8 | 10-1/4 | 9-7/8 | 4-5/8 | 1-3/16 | 1-1/4 | 5 | 1-3/16 | | |
| 3879 | 8 | NON-GEARED | 3,200 | 10-25.4 | | 78 | 8 | 9-3/4 | 3-21/32 | 7-5/16 | | | | | | | 1-1/2 | | | |
| 3880 | 8 | GEARED | 3,200 | 10-25.4 | 3.17-1 | 110 | 8 | 9-3/4 | 3-21/32 | 7-5/16 | 6-7/8 | 12-1/2 | 11-1/4 | 5-7/8 | 1-7/16 | 1-1/2 | 6-1/4 | 1-5/8 | | |

Weights are approximate and will vary. We reserve the right to change design at any time when in our opinion the product will be improved thereby. Dimensions given are in round numbers. A certified dimension print will be furnished upon request with order.

CRANE WHEEL LOADS APPROXIMATE FOR ESTIMATING ONLY

The wheel loads given below are sufficiently accurate for preliminary estimates. Actual loads will vary with different types, methods of construction, service requirements, etc., and should be calculated from the design drawings, or obtained direct from the crane manufacturer.

| A. S. & C. RAIL SIZES | | | | |
|---------------------------|---------|---------|---------|------|
| DIMENSIONS IN INCHES | | | | |
| WEIGHT IN POUNDS PER YARD | | | | |
| | A | B | C | I |
| 12 | 2 | 2 | 1 | 5/32 |
| 16 | 2-3/8 | 2-3/8 | 1-11/64 | 3/16 |
| 20 | 2-5/8 | 2-5/8 | 1-11/32 | 1/4 |
| 25 | 2-3/4 | 2-3/4 | 1-1/2 | 1/4 |
| 30 | 3-1/8 | 3-1/8 | 1-11/16 | 5/16 |
| 35 | 3-5/16 | 3-5/16 | 1-3/4 | 5/16 |
| 40 | 3-1/2 | 3-1/2 | 1-7/8 | 5/16 |
| 45 | 3-11/16 | 3-11/16 | 2 | 5/16 |
| 50 | 3-7/8 | 3-7/8 | 2-1/8 | 5/16 |
| 55 | 4-1/16 | 4-1/16 | 2-1/4 | 5/16 |
| 60 | 4-1/4 | 4-1/4 | 2-3/8 | 5/16 |
| 65 | 4-7/16 | 4-7/16 | 2-13/32 | 5/16 |
| 70 | 4-5/8 | 4-5/8 | 2-7/16 | 5/16 |
| 75 | 4-13/16 | 4-13/16 | 2-15/32 | 5/16 |
| 80 | 5 | 5 | 2-1/2 | 5/16 |
| 85 | 5-3/16 | 5-3/16 | 2-9/16 | 5/16 |
| 90 | 5-3/8 | 5-3/8 | 2-5/8 | 5/16 |
| 100 | 5-3/4 | 5-3/4 | 2-3/4 | 5/16 |

| OVERHEAD ELECTRIC TRAVELING DOUBLE GIRDER CRANES | | |
|--|-------------|---------------------|
| CAPACITY (TONS) | SPAN (FEET) | WHEEL LOAD (POUNDS) |
| 3 | 20 | 8,400 |
| | 25 | 8,700 |
| | 30 | 9,200 |
| | 35 | 10,000 |
| | 40 | 11,500 |
| | 50 | 12,800 |
| | 60 | 15,000 |
| 70 | 16,000 | |
| 5 | 20 | 10,900 |
| | 25 | 11,500 |
| | 30 | 12,100 |
| | 35 | 12,800 |
| | 40 | 13,200 |
| | 50 | 14,500 |
| | 60 | 16,600 |
| 70 | 17,700 | |
| 7-1/2 | 20 | 14,900 |
| | 25 | 15,300 |
| | 30 | 16,000 |
| | 35 | 17,000 |
| | 40 | 17,500 |
| | 50 | 18,800 |
| | 60 | 20,500 |
| 70 | 23,000 | |
| 10 | 20 | 17,300 |
| | 25 | 17,700 |
| | 30 | 18,200 |
| | 35 | 19,000 |
| | 40 | 20,400 |
| | 50 | 22,100 |
| | 60 | 24,800 |
| 70 | 28,800 | |
| 15 | 20 | 23,500 |
| | 25 | 24,400 |
| | 30 | 25,100 |
| | 35 | 25,500 |
| | 40 | 26,400 |
| | 50 | 27,000 |
| | 60 | 29,200 |
| 70 | 30,000 | |
| 20 | 20 | 28,000 |
| | 25 | 29,500 |
| | 30 | 32,000 |
| | 35 | 33,000 |
| | 40 | 34,000 |
| | 50 | 36,000 |
| | 60 | 39,000 |
| 70 | 42,000 | |
| 25 | 20 | 36,000 |
| | 25 | 39,000 |
| | 30 | 40,000 |
| | 35 | 41,000 |
| | 40 | 41,500 |
| | 50 | 43,000 |
| | 60 | 44,600 |
| 70 | 47,000 | |
| 30 | 20 | 44,500 |
| | 25 | 45,500 |
| | 30 | 47,000 |
| | 35 | 48,500 |
| | 40 | 50,000 |
| | 50 | 52,000 |
| | 60 | 55,500 |
| 70 | 57,000 | |

| HAND GEARED SINGLE "I" BEAM CRANES WITH CHAIN HOIST & TROLLEY | | |
|---|-------------|---------------------|
| CAPACITY (TONS) | SPAN (FEET) | WHEEL LOAD (POUNDS) |
| 1 | 10 | 1,500 |
| | 15 | 1,600 |
| | 20 | 1,700 |
| | 25 | 1,800 |
| | 30 | 1,850 |
| | 35 | 1,900 |
| | 40 | 2,000 |
| 1.5 | 10 | 2,550 |
| | 15 | 2,700 |
| | 20 | 2,800 |
| | 25 | 2,900 |
| | 30 | 3,000 |
| | 35 | 3,100 |
| | 40 | 3,200 |
| 3 | 10 | 3,600 |
| | 15 | 3,650 |
| | 20 | 3,750 |
| | 25 | 3,900 |
| | 30 | 4,000 |
| | 35 | 4,050 |
| | 40 | 4,200 |
| 5 | 10 | 5,900 |
| | 15 | 6,000 |
| | 20 | 6,300 |
| | 25 | 6,450 |
| | 30 | 6,600 |
| | 35 | 6,700 |
| | 40 | 6,900 |
| 10 | 10 | 11,300 |
| | 15 | 11,400 |
| | 20 | 11,600 |
| | 25 | 11,800 |
| | 30 | 12,000 |
| | 35 | 12,250 |
| | 40 | 12,400 |

| HAND GEARED DOUBLE "I" BEAM CRANES WITH CABLE REEVED TROLLEY HOIST | | |
|--|-------------|---------------------|
| CAPACITY (TONS) | SPAN (FEET) | WHEEL LOAD (POUNDS) |
| 3 | 15 | 4,400 |
| | 20 | 4,500 |
| | 25 | 4,650 |
| | 30 | 5,200 |
| | 35 | 5,500 |
| | 40 | 5,900 |
| | 5 | 15 |
| 20 | | 6,900 |
| 25 | | 7,100 |
| 30 | | 7,300 |
| 35 | | 7,500 |
| 40 | | 8,000 |
| 7-1/2 | | 15 |
| | 20 | 9,400 |
| | 25 | 9,600 |
| | 30 | 9,800 |
| | 35 | 10,400 |
| | 40 | 10,700 |
| | 10 | 15 |
| 20 | | 11,900 |
| 25 | | 12,300 |
| 30 | | 12,600 |
| 35 | | 13,200 |
| 40 | | 13,400 |
| 15 | | 15 |
| | 20 | 16,400 |
| | 25 | 16,600 |
| | 30 | 19,100 |
| | 35 | 19,600 |
| | 40 | 19,900 |
| | 20 | 15 |
| 20 | | 23,900 |
| 25 | | 24,150 |
| 30 | | 24,500 |
| 35 | | 25,100 |
| 40 | | 25,800 |
| 25 | | 15 |
| | 20 | 29,300 |
| | 25 | 29,700 |
| | 30 | 30,250 |
| | 35 | 30,900 |
| | 40 | 31,300 |

| UNDERHUNG SINGLE "I" BEAM CRANES WITH CHAIN HOIST & TROLLEY | | |
|---|-------------|-------------------------|
| CAPACITY (TONS) | SPAN (FEET) | WHEEL LOAD (TWO WHEELS) |
| 1 | 10 | 1,500 |
| | 15 | 1,550 |
| | 20 | 1,600 |
| | 25 | 1,700 |
| | 30 | 1,800 |
| 2 | 10 | 2,500 |
| | 15 | 2,600 |
| | 20 | 2,700 |
| | 25 | 2,800 |
| | 30 | 2,900 |
| 3 | 10 | 3,500 |
| | 15 | 3,600 |
| | 20 | 3,700 |
| | 25 | 3,900 |
| | 30 | 4,000 |
| 5 | 10 | 5,600 |
| | 15 | 5,700 |
| | 20 | 5,800 |
| | 25 | 6,000 |
| | 30 | 6,100 |

| HAND PUSH SINGLE "I" BEAM CRANES WITH CHAIN HOIST & TROLLEY | | |
|---|-------------|---------------------|
| CAPACITY (TONS) | SPAN (FEET) | WHEEL LOAD (POUNDS) |
| 1 | 10 | 1,300 |
| | 15 | 1,350 |
| | 20 | 1,400 |
| | 25 | 1,475 |
| | 30 | 1,600 |
| 2 | 10 | 2,450 |
| | 15 | 2,500 |
| | 20 | 2,600 |
| | 25 | 2,750 |
| | 30 | 2,850 |
| 3 | 10 | 3,550 |
| | 15 | 3,700 |
| | 20 | 3,775 |
| | 25 | 3,900 |
| | 30 | 3,975 |
| 5 | 10 | 5,600 |
| | 15 | 5,950 |
| | 20 | 6,075 |
| | 25 | 6,300 |
| | 30 | 6,375 |

DOWN'S CRANE & HOIST CO., INC.

8827 S. JUNIPER STREET • LOS ANGELES, CALIFORNIA, U.S.A. 90002