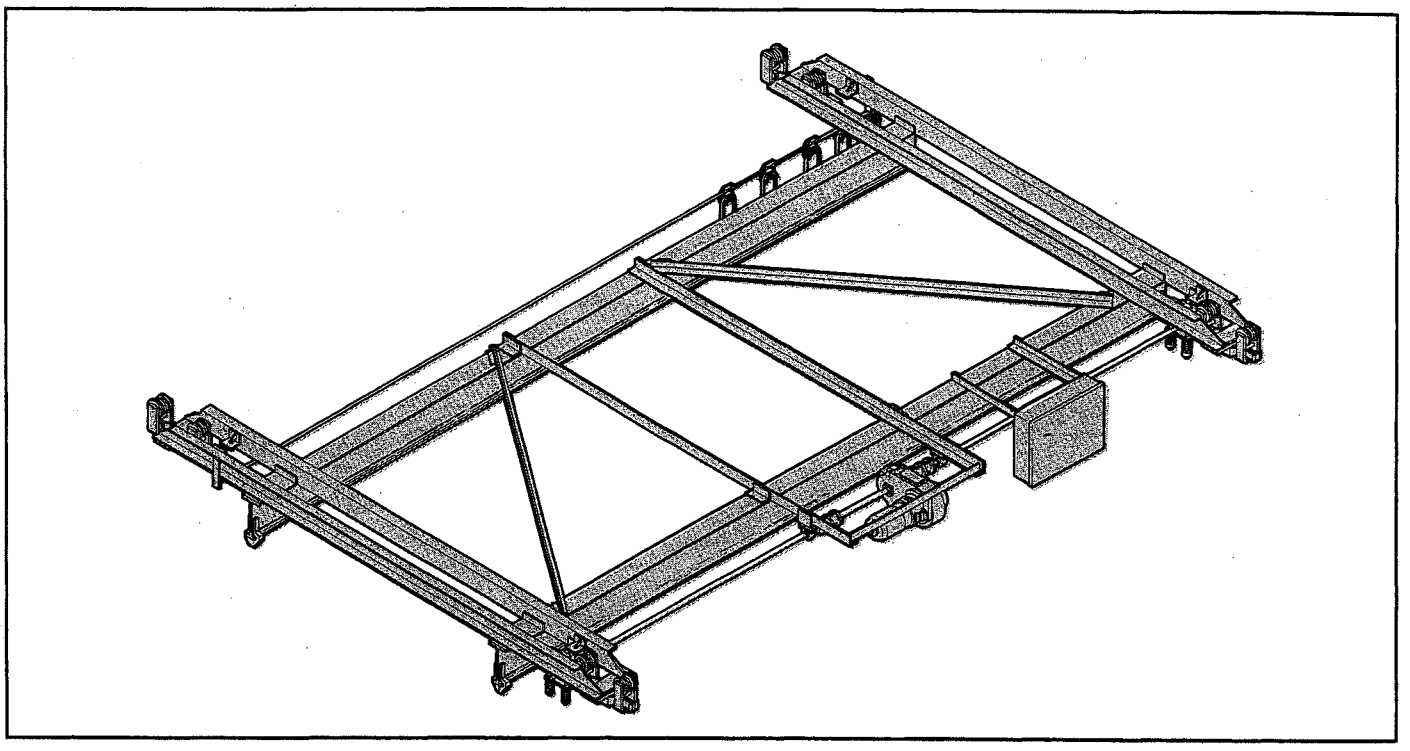
LOUDEN® 517 DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE

517-1
Issued 9-7-01

Double Girder, Motor Propelled Cranes With Center Drive, To Operate on Two-Runways of 603 *SuperTrack*, 604 *SuperTrack* Girder, or 605 *TrojanTrack* Girder, 3.33" Operating Flange, For Use With Electric, Air, or Hand Chain Hoists.



The *Louden* Series 517 center drive crane is offered in capacities of 1 through 10 tons, with spans to 60 feet. Standard bridge speeds are 75 and 135 F.P.M., single speed. Optional travel speeds (single speed) are 50, 110, 135, 165, 190 ,and 255 F.P.M. Other optional speeds are 2-speed and variable speed. High speeds listed above.

All speeds, except variable, will have adjustable torque and speed ramps through the use of the Acco Acceleration Control Module, a solid state device providing smooth bridge motion and excellent load control.

Standard crane motors are T.E.N.V., 30 minute, with Class F insulation, 55 degree rise over 60 degree ambient. All crane motors will have an AC disc brake as standard.

Available current characteristics are 460/230 volts, 3 phase, 60 Hertz, with 115 volt control circuit.

The gear reducer utilizes Helical gears cut from solid blanks to AGMA specifications. All gears are supported at both ends of the gear shaft by tapered roller bearings, and are enclosed in an oil-tight housing and run in an oil bath.

The drive tires are spring loaded to the underside of the runways, enabling all load wheels to be idler wheels. Load wheels are drop forged and hardened to 425 Brinnel minimum. Wheels are flanged with $4\frac{1}{2}$ inch tread diameter, and bearings are double row ball or tapered roller type.

Standard electrical equipment includes NEMA type 12 enclosure, a mainline magnetic contactor, manually operated fused mainline disconnect switch with lock out provision, branch circuit fuses, single speed magnetic reversing contactor, transformer with fused secondary, and flat wire festoon tagline bridge electrification. Festooning will consist of four power conductors and eight control conductors.

Each crane is custom designed to fit the structure from which it is to be supported. It is designed to meet or exceed the standards of the Monorail Manufacturers Association and ANSI specification #MH27.1-1996.

The 517 series crane is designed for Class C moderate service (as defined by the above ANSI standard).

The crane is fully assembled before shipment, including the tagline festoon system, The crane will be painted with one coat of yellow lead free alkyd enamel, then disassembled and match-marked for shipment.

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	Motor H.P. Speed (F.P.M.) 135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Crane Trucks Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517.2003					**2000 Lbs. Capacity**					**4600 Lbs. Design Load (1)**		
18	604.924	2796	3/4	3/4	12	7	18	15	13½	4	10000	2999
20	604.924	2898	3/4	3/4	12	7	18	15	13½	4	10000	3025
22	604.924	3000	3/4	3/4	12	7	18	15	13½	4	10000	3050
24	604.924	3102	3/4	3/4	12	7	18	15	13½	4	10000	3076
26	604.1231	3592	3/4	1	12	7	18	15	13½	4	10000	3198
28	604.1231	3722	3/4	1	12	7	18	15	13½	4	10000	3231
30	604.1231	3852	3/4	1	12	7	18	15	13½	4	10000	3263
32	604.1231	3982	3/4	1	12	7	18	15	13½	4	10000	3296
34	604.1231	4112	3/4	1	12	7	18	15	13½	4	10000	3328
36	604.1435	4501	3/4	1	12	7	18	15	13½	4	10000	3426
38	604.1435	4647	3/4	1	12	7	18	15	13½	4	10000	3463
40	604.1538	5165	3/4	1	12	7	18	15	13½	4	10000	3592
42	604.1538	5323	3/4	1	12	7	18	15	13½	4	10000	3631
44	604.1846	6287	3/4	1	12	7	18	15	13½	4	10000	3872
46	604.1846	6477	3/4	1	12	7	18	15	13½	4	10000	3920
48	604.1846	6667	3/4	1	12	7	18	15	13½	4	10000	3967
50	604.1846	6857	3/4	1	12	7	18	15	13½	4	10000	4015
52	604.2153	7873	3/4	1	12	7	18	15	13½	4	10000	4269
54	604.2153	8091	3/4	1	12	7	18	15	13½	4	10000	4323
56	604.2153	8309	3/4	1	12	7	18	15	13½	4	10000	4378
58	605.2166	10035	3/4	1½	12	7	18	15	13½	4	10000	4809
60	605.2474	11965	3/4	1½	12	8½	18	17	15	8	20000	2646

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 2,300 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *Super-Track* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *Trojan-Track* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*Trojan-Track* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting, or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

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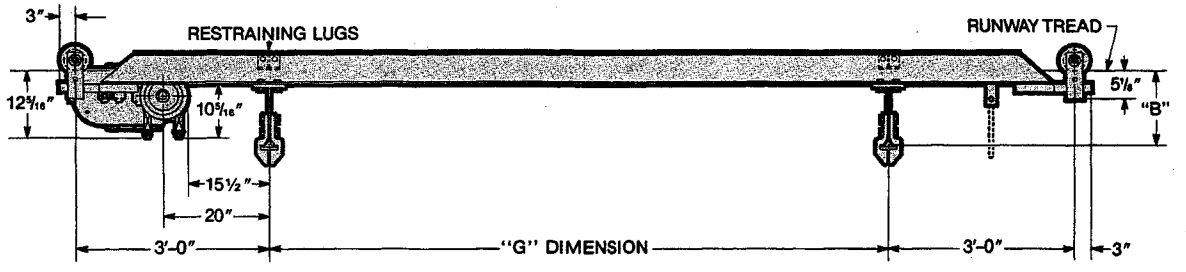
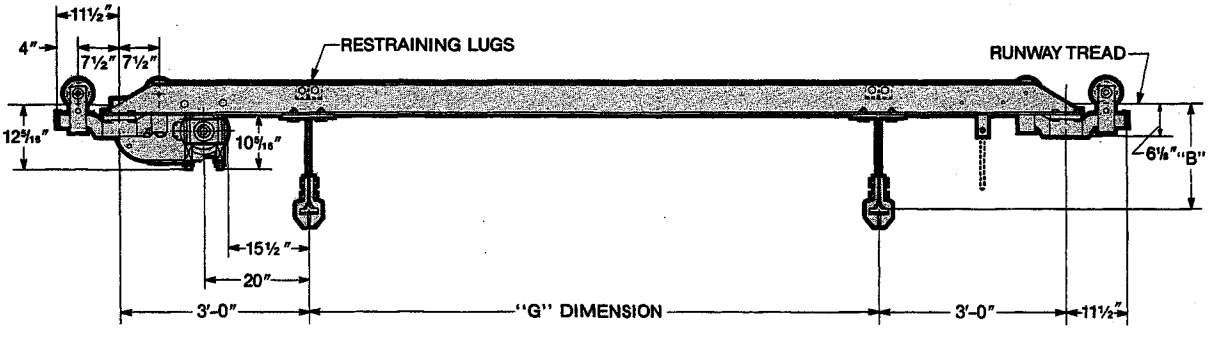
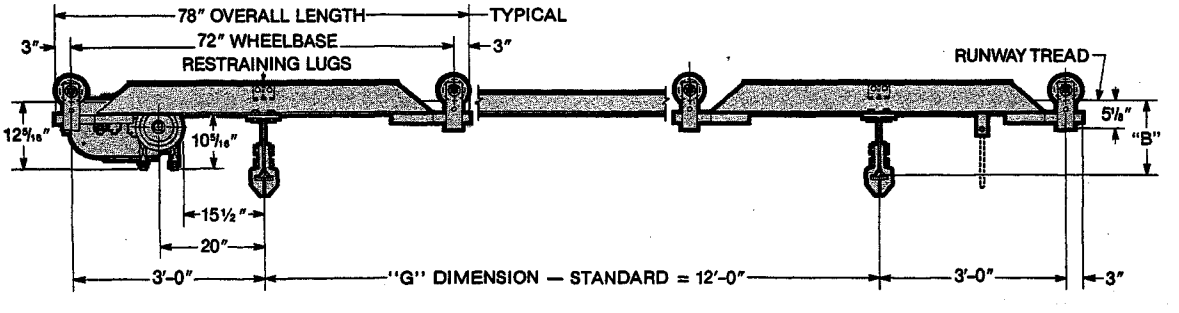


Wheelbase = "G" Plus 6'-0"
4-Wheel Crane Trucks



Wheelbase = "G" Plus 6'-0"
8-Wheel Crane Trucks



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
Optional 8-Wheel Crane Trucks

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517.4003					**4000 Lbs. Capacity**					**7110 Lbs. Design Load (1)**		
18	604.924	2610	3/4	1	12	7	18	15	13½	4	10000	4208
20	604.924	2712	3/4	1	12	7	18	15	13½	4	10000	4233
22	604.1231	3219	3/4	1	12	7	18	15	13½	4	10000	4360
24	604.1231	3349	3/4	1	12	7	18	15	13½	4	10000	4393
26	604.1231	3479	3/4	1	12	7	18	15	13½	4	10000	4425
28	604.1231	3609	3/4	1	12	7	18	15	13½	4	10000	4458
30	604.1231	3739	3/4	1	12	7	18	15	13½	4	10000	4490
32	604.1435	4354	3/4	1	12	7	18	15	13½	4	10000	4644
34	604.1435	4500	3/4	1	12	7	18	15	13½	4	10000	4681
36	604.1538	5005	3/4	1	12	7	18	15	13½	4	10000	4807
38	604.1538	5163	3/4	1	12	7	18	15	13½	4	10000	4846
40	604.1846	6607	3/4	1½	12	8½	18	17	15	8	20000	2604
42	604.1846	6797	3/4	1½	12	8½	18	17	15	8	20000	2628
44	604.1846	6987	3/4	1½	12	8½	18	17	15	8	20000	2651
46	604.1846	7177	3/4	1½	12	8½	18	17	15	8	20000	2675
48	604.2153	8039	3/4	1½	12	8½	18	17	15	8	20000	2783
50	604.2153	8257	3/4	1½	12	8½	18	17	15	8	20000	2810
52	604.2153	8475	3/4	1½	12	8½	18	17	15	8	20000	2837
54	605.2166	10218	3/4	1½	12	8½	18	17	15	8	20000	3055
56	605.2166	10488	3/4	1½	12	8½	18	17	15	8	20000	3089
58	605.2474	11863	1	1½	12	8½	18	17	15	8	20000	3261
60	605.2474	12165	1	1½	12	8½	18	17	15	8	20000	3299

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 2,510 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.

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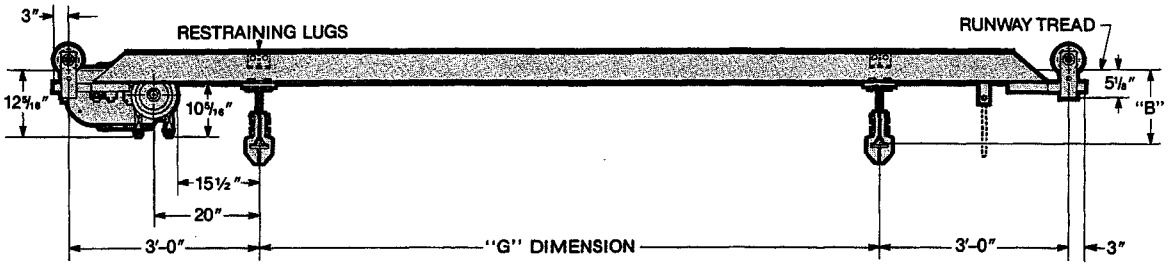
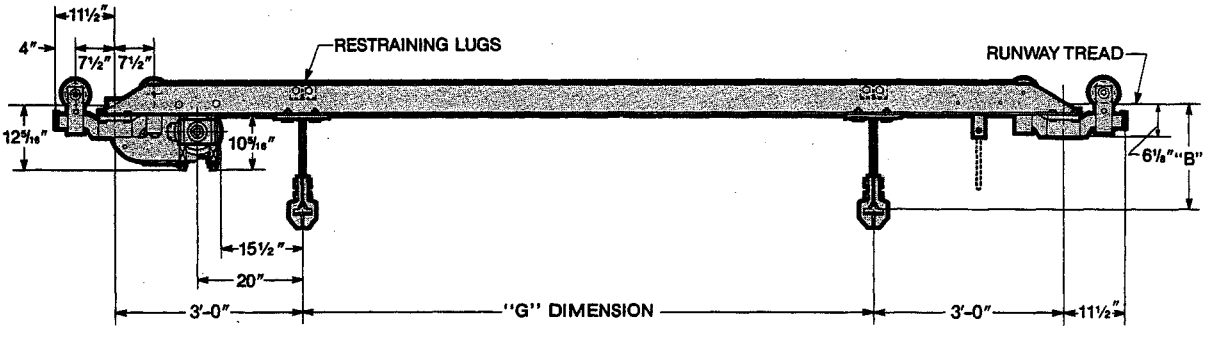
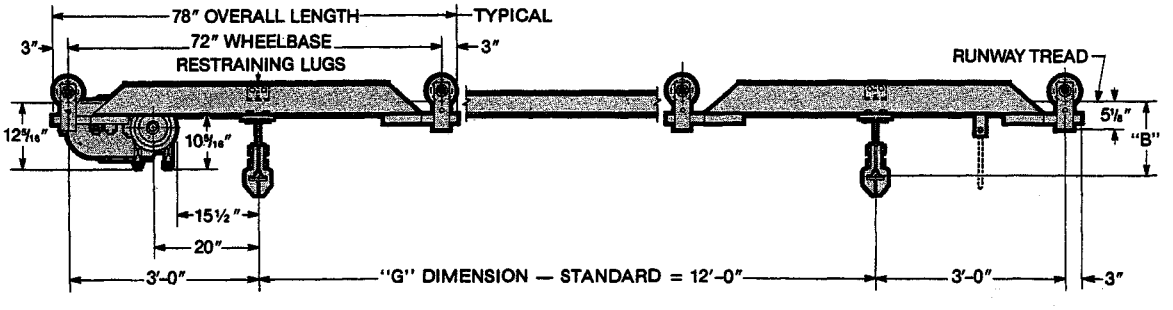


Wheelbase = "G" Plus 6'-0"
4-Wheel Crane Trucks



Wheelbase = "G" Plus 6'-0"
8-Wheel Crane Trucks

or



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
Optional 8-Wheel Crane Trucks

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	Motor H.P. Speed (F.P.M.) 135	Overhang In. Std.	Overhang In. Min.	Overhang In. Max.	Overhang 505.7824 Latch	Overhang 505.7830 Latch	Crane Trucks No. Whls.	Crane Trucks Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517.6003					**6000 Lbs. Capacity**					**9480 Lbs. Design Load (1)**		
18	604.924	3175	3/4	1	12	8½	18	17	15	8	20000	2768
20	604.1231	3678	3/4	1	12	8½	18	17	15	8	20000	2831
22	604.1231	3808	3/4	1	12	8½	18	17	15	8	20000	2847
24	604.1231	3938	3/4	1	12	8½	18	17	15	8	20000	2861
26	604.1231	4068	3/4	1	12	8½	18	17	15	8	20000	2879
28	604.1435	4552	3/4	1½	12	8½	18	17	15	8	20000	2939
30	604.1435	4698	3/4	1½	12	8½	18	17	15	8	20000	2958
32	604.1435	4844	3/4	1½	12	8½	18	17	15	8	20000	2976
34	604.1538	5308	3/4	1½	12	8½	18	17	15	8	20000	3034
36	604.1538	5466	3/4	1½	12	8½	18	17	15	8	20000	3054
38	604.1846	6232	3/4	1½	12	8½	18	17	15	8	20000	3149
40	604.1846	6422	3/4	1½	12	8½	18	17	15	8	20000	3173
42	604.1846	6612	3/4	1½	12	8½	18	17	15	8	20000	3197
44	604.1846	6802	3/4	1½	12	8½	18	17	15	8	20000	3221
46	604.2153	7979	3/4	1½	12	8½	18	17	15	8	20000	3368
48	604.2153	8197	3/4	1½	12	8½	18	17	15	8	20000	3395
50	604.2153	8415	3/4	1½	12	8½	18	17	15	8	20000	3422
52	605.2166	9815	1	1½	12	8½	18	17	15	8	20000	3597
54	605.2166	10085	1	1½	12	8½	18	17	15	8	20000	3631
56	605.2474	11511	1	1½	12	8½	18	17	15	8	20000	3809
58	605.2474	11813	1	1½	12	8½	18	17	15	8	20000	3847
60	605.2474	12115	1	1½	12	8½	18	17	15	8	20000	3885

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 2,580 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.

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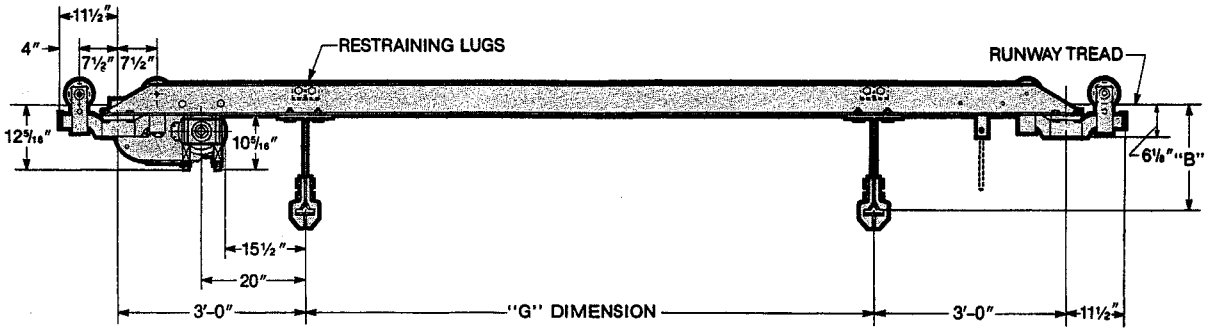
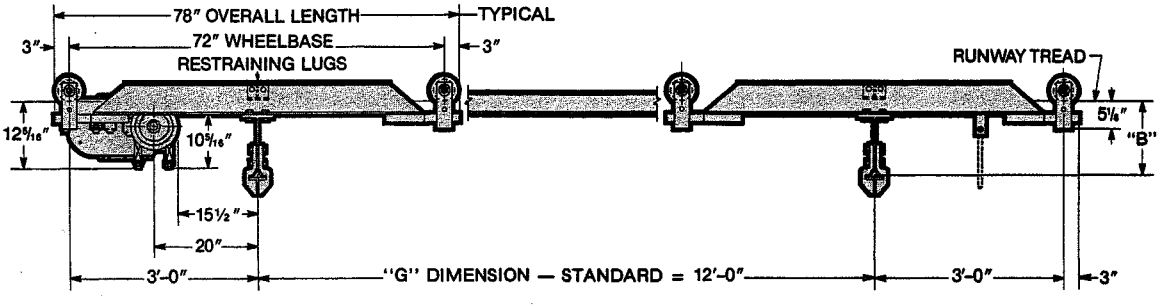


Wheelbase = "G" Plus 6'-0"
8-Wheel Crane Trucks

or



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
Optional 8-Wheel Crane Trucks

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517.10003					**10000 Lbs. Capacity**							**15840 Lbs. Design Load (1)**
18	604.1231	3848	1	1½	12	8½	18	17	15	8	20000	4442
20	604.1231	3978	1	1½	12	8½	18	17	15	8	20000	4458
22	604.1231	4108	1	1½	12	8½	18	17	15	8	20000	4474
24	604.1435	4693	1	1½	12	8½	18	17	15	8	20000	4547
26	604.1435	4839	1	1½	12	8½	18	17	15	8	20000	4566
28	604.1538	5188	1	1½	12	8½	18	17	15	8	20000	4609
30	604.1538	5346	1	1½	12	8½	18	17	15	8	20000	4629
32	604.1846	6016	1	1½	12	8½	18	17	15	8	20000	4712
34	604.1846	6206	1	1½	12	8½	18	17	15	8	20000	4736
36	604.1846	6396	1	1½	12	8½	18	17	15	8	20000	4760
38	604.2153	7372	1	1½	12	8½	18	17	15	8	20000	4882
40	604.2153	7590	1	1½	12	8½	18	17	15	8	20000	4909
42	604.2153	7808	1	1½	12	8½	18	17	15	8	20000	4936
44	604.2153	8026	1	1½	12	8½	18	17	15	8	20000	4964
46	605.2166	10005	1	2	12	8½	18	17	15	16	40000	2606
48	605.2166	10275	1	2	12	8½	18	17	15	16	40000	2623
50	605.2474	12315	1	2	12	8½	18	17	15	16	40000	2750
52	605.2474	12617	1½	2	12	8½	18	17	15	16	40000	2769
54	605.2474	12919	1½	2	12	8½	18	17	15	16	40000	2788
56	605.2785	14473	1½	2	12	8½	18	17	15	16	40000	2885
58	605.2785	14819	1½	2	12	8½	18	17	15	16	40000	2907
60	605.3089	15645	1½	2	12	8½	18	17	15	16	40000	2958

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 4,340 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
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7. Standard 2-Speed motors are 1800/600 RPM.
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9. B = Girder depth plus 2". (Tread to tread.)
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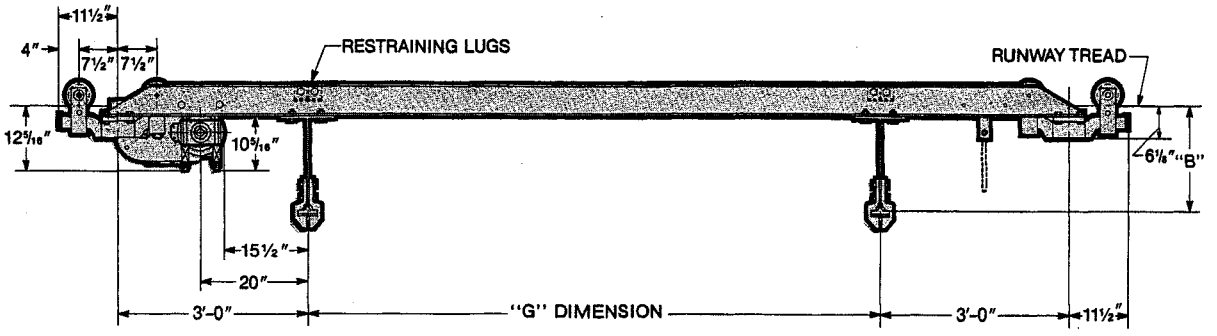
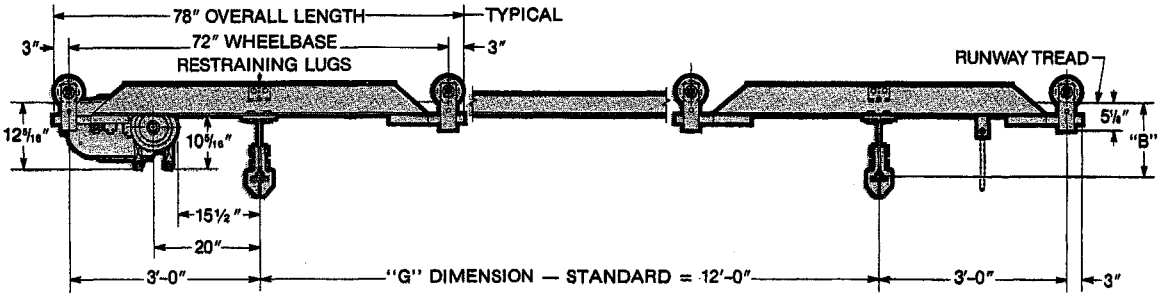
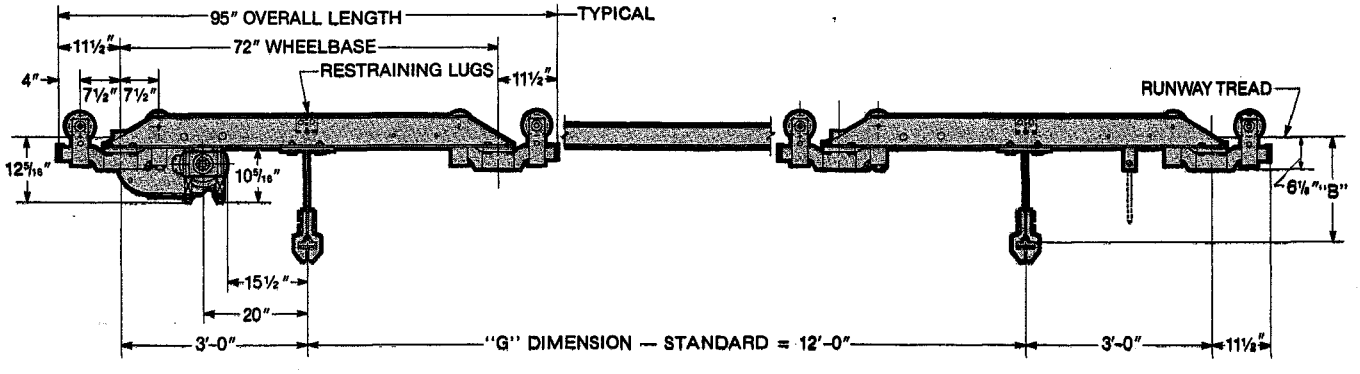


Wheelbase = "G" Plus 6'-0"
8-Wheel Crane Trucks

or



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
Optional 8-Wheel Crane Trucks



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
16-Wheel Crane Trucks

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517.15003					**15000 Lbs. Capacity**							**23650 Lbs. Design Load (1)**
18	604.1435	4712	1	2	12	8½	18	17	15	16	40000	3251
20	604.1435	4858	1	2	12	8½	18	17	15	16	40000	3261
22	604.1538	5118	1	2	12	8½	18	17	15	16	40000	3277
24	604.1846	5932	1½	2	12	8½	18	17	15	16	40000	3327
26	604.1846	6122	1½	2	12	8½	18	17	15	16	40000	3339
28	604.1846	6312	1½	2	12	8½	18	17	15	16	40000	3351
30	604.1846	6502	1½	2	12	8½	18	17	15	16	40000	3363
32	604.2153	7460	1½	2	12	8½	18	17	15	16	40000	3423
34	604.2153	7678	1½	2	12	8½	18	17	15	16	40000	3437
36	604.2153	7896	1½	2	12	8½	18	17	15	16	40000	3450
38	604.2153	8114	1½	2	12	8½	18	17	15	16	40000	3464
40	605.2166	9595	1½	2	12	8½	18	17	15	16	40000	3556
42	605.2166	9865	1½	2	12	8½	18	17	15	16	40000	3573
44	605.2474	11084	1½	2	12	8½	18	17	15	16	40000	3649
46	605.2474	11386	1½	2	12	8½	18	17	15	16	40000	3668
48	605.2474	11688	1½	2	12	8½	18	17	15	16	40000	3687
50	605.2474	11990	1½	2	12	8½	18	17	15	16	40000	3706
52	605.2785	14907	1½	3	12	8½	18	17	15	16	40000	3888
54	605.2785	15253	1½	3	12	8½	18	17	15	16	40000	3910
56	605.3089	16047	1½	3	12	8½	18	17	15	16	40000	3960
58	605.3089	16409	1½	3	12	8½	18	17	15	16	40000	3982
60	605.3292	17131	1½	3	12	8½	18	17	15	16	40000	4027

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 6,400 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *Trojan-Track* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*Trojan-Track* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting, or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

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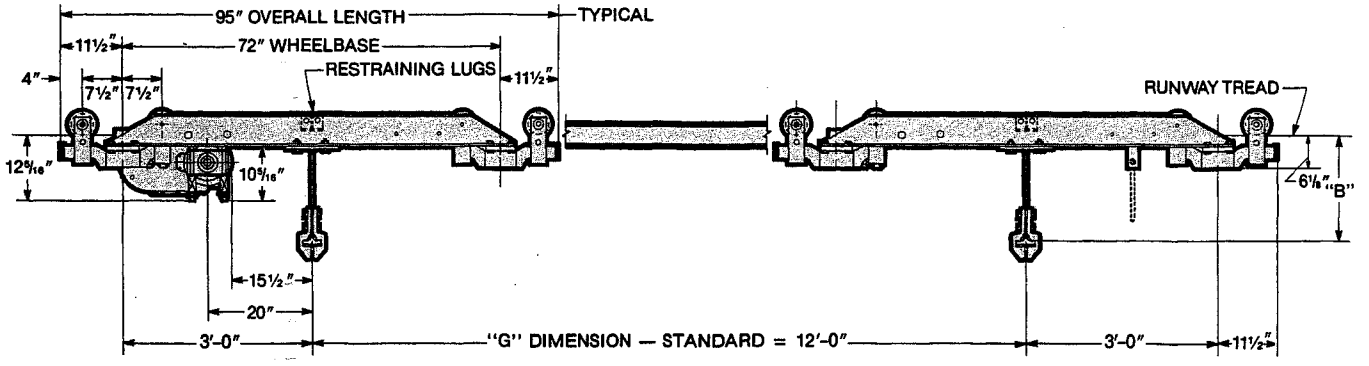

STD. Wheelbases = 6'-0", 6'-0", 6'-0"
16-Wheel Crane Trucks

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517.20003					**20000 Lbs. Capacity**					**29700 Lbs. Design Load (1)**		
18	604.1538	4830	1½	2	12	8½	18	17	15	16	40000	4015
20	604.1846	5415	1½	2	12	8½	18	17	15	16	40000	4051
22	604.1846	5605	1½	2	12	8½	18	17	15	16	40000	4063
24	604.1846	5795	1½	2	12	8½	18	17	15	16	40000	4075
26	604.2153	6604	1½	2	12	8½	18	17	15	16	40000	4126
28	604.2153	6822	1½	2	12	8½	18	17	15	16	40000	4139
30	604.2153	7040	1½	2	12	8½	18	17	15	16	40000	4153
32	605.2166	8315	1½	2	12	8½	18	17	15	16	40000	4233
34	605.2166	8585	1½	2	12	8½	18	17	15	16	40000	4250
36	605.2166	8855	1½	3	12	8½	18	17	15	16	40000	4266
38	605.2166	9125	1½	3	12	8½	18	17	15	16	40000	4283
40	605.2166	9395	1½	3	12	8½	18	17	15	16	40000	4300
42	605.2474	10657	1½	3	12	8½	18	17	15	16	40000	4379
44	605.2474	10959	1½	3	12	8½	18	17	15	16	40000	4398
46	605.2474	11261	1½	3	12	8½	18	17	15	16	40000	4417
48	605.2785	12843	1½	3	12	8½	18	17	15	16	40000	4516
50	605.2785	13189	1½	3	12	8½	18	17	15	16	40000	4537
52	605.2785	13535	1½	3	12	8½	18	17	15	16	40000	4559
54	605.3089	14313	1½	3	12	8½	18	17	15	16	40000	4608
56	605.3089	14675	1½	3	12	8½	18	17	15	16	40000	4630
58	605.3292	15385	1½	3	12	8½	18	17	15	16	40000	4675

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 6,700 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting, or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

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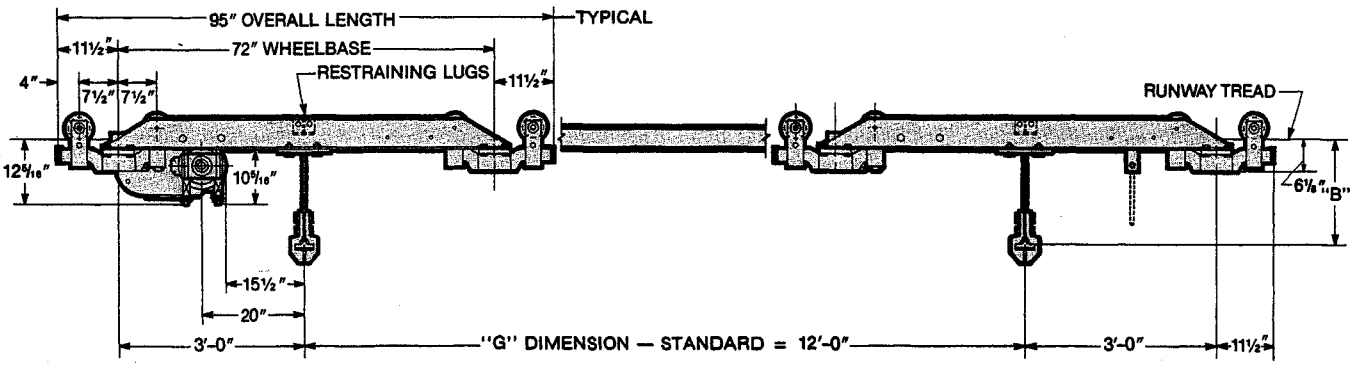
LOUDEN® 517 DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE

517-13
Issued 9-7-01



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
16-Wheel Crane Trucks

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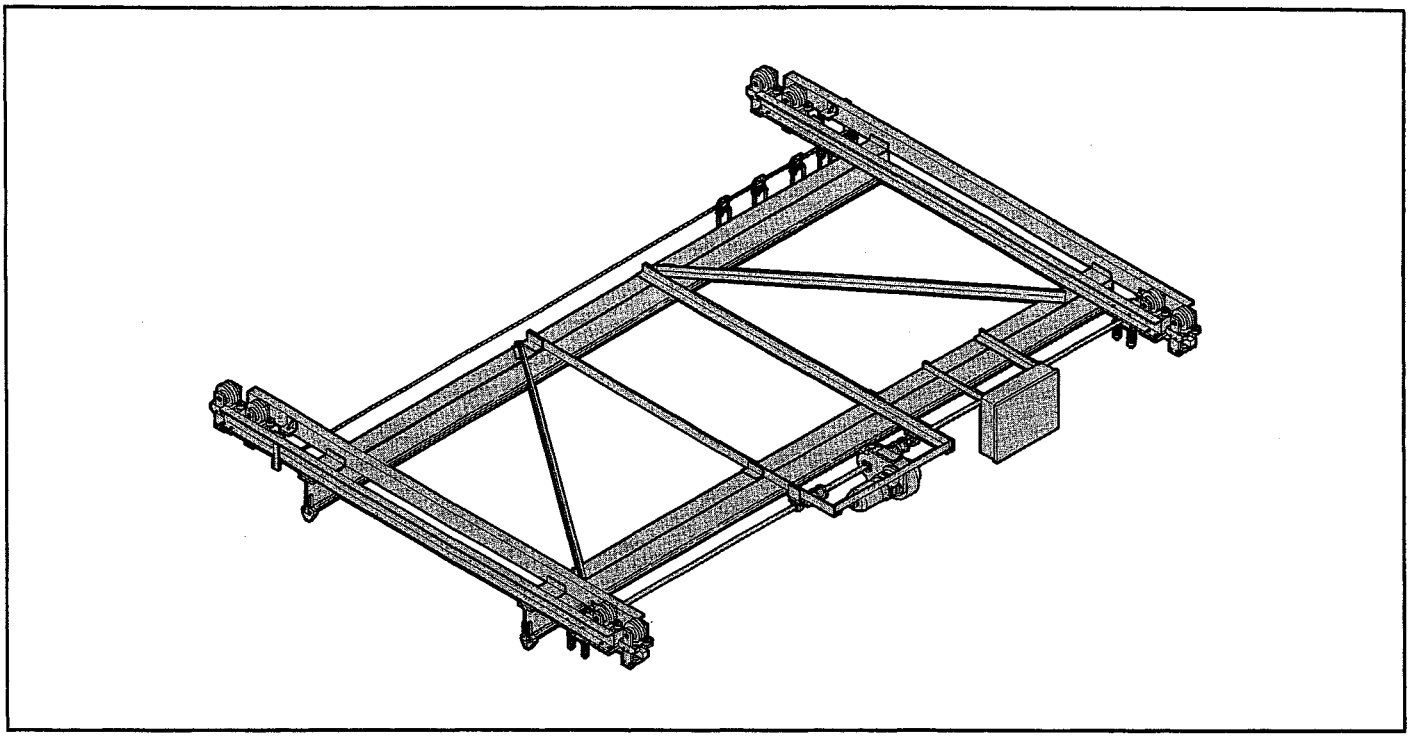
LOUDEN® 517T DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE

517T-14
Issued 9-7-01

Double Girder, Motor Propelled Cranes With Center Drive, To Operate on Two-Runways of 605 *TrojanTrack* Girder, 3.33" Operating Flange, For Use With Electric, Air, or Hand Chain Hoists



The *Louden* Series 517T center drive crane is offered in capacities of 5 through 10 tons, with spans to 60 feet. Standard bridge speeds are 75 and 135 F.P.M., single speed. Optional travel speeds (single speed) are 50, 110, 165, 190 ,and 255 F.P.M. Optional speeds are 2-speed, 3-speed and 5-speed will be accomplished through Variable Frequency Drives. High speeds listed above.

All speeds will have adjustable torque and speed ramps through the use of the Acco Acceleration Control Module, a solid state device providing smooth bridge motion and excellent load control.

Standard crane motors are T.E.N.V., 30 minute, with Class F insulation, 55 degree rise over 60 degree ambient. All crane motors will have an AC disc brake as standard.

Available current characteristics are 460/230 volts, 3 phase, 60 Hertz, with 115 volt control circuit.

The gear reducer utilizes Helical gears cut from solid blanks to AGMA specifications. All gears are supported at both ends of the gear shaft by tapered roller bearings, and are enclosed in an oil-tight housing and run in an oil bath.

The drive tires are spring loaded to the underside of the runways, enabling all load wheels to be idler wheels. Load wheels are drop forged and hardened to 425 Brinnel minimum. Wheels are flangeless with guide rollers, 9 inch tread diameter, with tapered roller bearings.

Standard electrical equipment includes NEMA type 12 enclosure, a mainline magnetic contactor, manually operated fused mainline disconnect switch with lock out provision, branch circuit fuses, single speed magnetic reversing contactor, transformer with fused secondary, and flat wire festoon tagline bridge electrification. Festooning will consist of four power conductors and eight control conductors.

Each crane is custom designed to fit the structure from which it is to be supported. It is designed to meet or exceed the standards of the Monorail Manufacturers Association and ANSI specification #MH27.1-1996.

The 517T series crane is designed for Class C moderate service (as defined by the above ANSI standard).

The crane is fully assembled before shipment, including the tagline festoon system, The crane will be painted with one coat of yellow lead free alkyd enamel.

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO *TROJANTRACK* RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517T.10003					**10000 Lbs. Capacity**							**15840 Lbs. Design Load (1)**
18	605.1235	4694	1	1½	12	9½	18	18	16	8	30000	4547
20	605.1235	4840	1	1½	12	9½	18	18	16	8	30000	4565
22	605.1235	4986	1	1½	12	9½	18	18	16	8	30000	4584
24	605.1235	5132	1	1½	12	9½	18	18	16	8	30000	4602
26	605.1543	5694	1	1½	12	9½	18	18	16	8	30000	4672
28	605.1543	5872	1	1½	12	9½	18	18	16	8	30000	4694
30	605.1543	6050	1	1½	12	9½	18	18	16	8	30000	4717
32	605.1543	6228	1	1½	12	9½	18	18	16	8	30000	4739
34	605.1850	7348	1	1½	12	9½	18	18	16	8	30000	4879
36	605.1850	7554	1	1½	12	9½	18	18	16	8	30000	4905
38	605.1850	7760	1	1½	12	9½	18	18	16	8	30000	4930
40	605.1850	7966	1	1½	12	9½	18	18	16	8	30000	4956
42	605.2166	9582	1	1½	12	9½	18	18	16	8	30000	5158
44	605.2166	9852	1	1½	12	9½	18	18	16	8	30000	5192
46	605.2166	10122	1	2	12	9½	18	18	16	8	30000	5226
48	605.2166	10392	1	2	12	9½	18	18	16	8	30000	5259
50	605.2474	11475	1	2	12	9½	18	18	16	8	30000	5395
52	605.2474	11777	1	2	12	9½	18	18	16	8	30000	5433
54	605.2474	12079	1	2	12	9½	18	18	16	8	30000	5470
56	605.2785	13759	1½	2	12	9½	18	18	16	8	30000	5680
58	605.2785	14105	1½	2	12	9½	18	18	16	8	30000	5724
60	605.3089	14931	1½	2	12	9½	18	18	16	8	30000	5827

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 4,340 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.
11. **40,000 Lb. Trojan End Trucks (9" Dia. wheels) must run on Super *TrojanTrack* Runways.**

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting, or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

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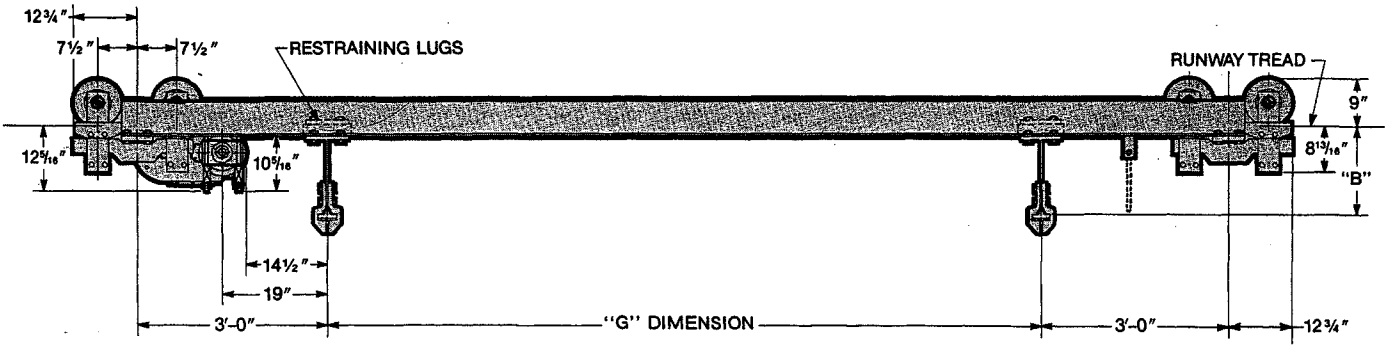
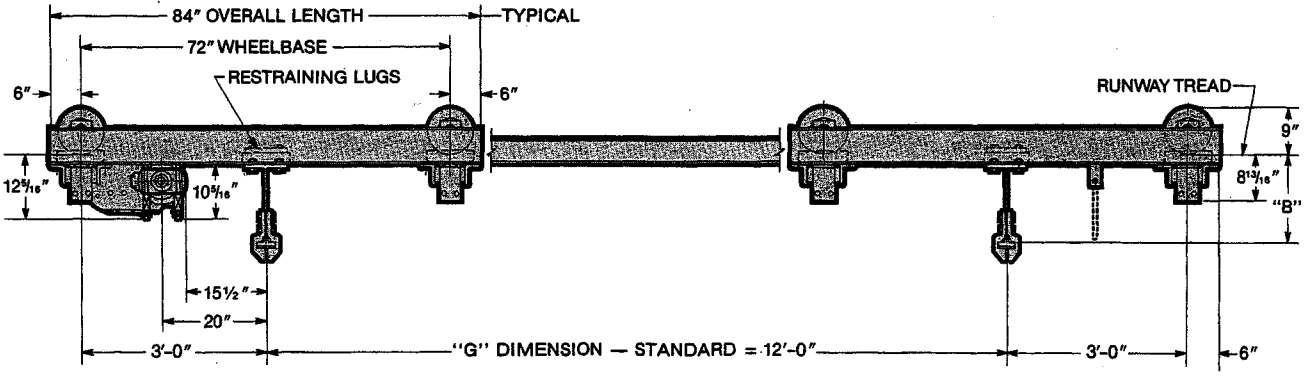


Wheelbase = "G" Plus 6'-0"
8-Wheel Trojan Crane Trucks

or



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
Optional 8-Wheel Trojan Crane Trucks

Louden® 517T DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE

517T-17
Issued 9-7-01

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO *TROJANTRACK* RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517T.15003					**15000 Lbs. Capacity**					**23650 Lbs. Design Load (1)**		
18	605.1235	5010	1	2	12	9½	18	N.A.	16	8	30000	6539
20	605.1235	5156	1	2	12	9½	18	N.A.	16	8	30000	6557
22	605.1543	5674	1½	2	12	9½	18	N.A.	16	8	30000	6622
24	605.1543	5852	1½	2	12	9½	18	N.A.	16	8	30000	6644
26	605.1543	6030	1½	2	12	9½	18	N.A.	16	8	30000	6667
28	605.1543	6208	1½	2	12	9½	18	N.A.	16	8	30000	6689
30	605.1850	6849	1½	2	12	9½	18	N.A.	16	8	30000	6769
32	605.1850	7055	1½	2	12	9½	18	N.A.	16	8	30000	6795
34	605.1850	7261	1½	2	12	9½	18	N.A.	16	8	30000	6821
36	605.2166	8630	1½	2	12	9½	18	N.A.	16	8	30000	6992
38	605.2166	8900	1½	2	12	9½	18	N.A.	16	8	30000	7025
40	605.2166	9170	1½	2	12	9½	18	N.A.	16	8	30000	7059
42	605.2166	9440	1½	2	12	9½	18	N.A.	16	8	30000	7093
44	605.2474	10759	1½	2	12	9½	18	N.A.	16	8	30000	7258
46	605.2474	11061	1½	2	12	9½	18	N.A.	16	8	30000	7296
48	605.2474	11363	1½	2	12	9½	18	N.A.	16	8	30000	7333
50	605.2474	11665	1½	2	12	9½	18	N.A.	16	8	30000	7371
52	605.2785	12954	1½	2	12	9½	18	N.A.	16	8	40000	7532
54	605.2785	13620	1½	2	12	9½	18	N.A.	16	8	40000	7615
56	605.3089	14414	1½	3	12	9½	18	N.A.	16	8	40000	7715
58	605.3089	14776	1½	3	12	9½	18	N.A.	16	8	40000	7760
60	605.3292	15498	1½	3	12	9½	18	N.A.	16	8	40000	7850

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 6,400 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.
11. **40,000 Lb. Trojan End Trucks (9" Dia. wheels) must run on Super *TrojanTrack* Runways.**

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting, or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

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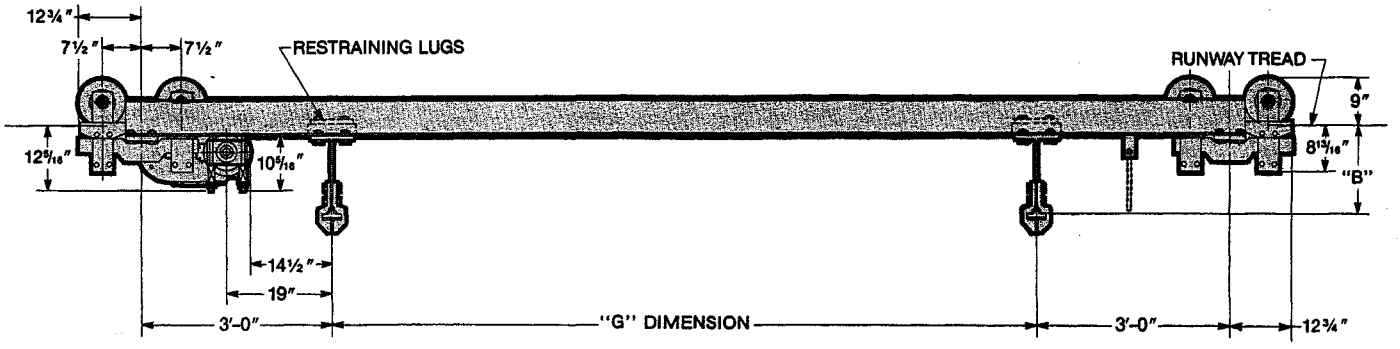
PART OF THE FKI GROUP

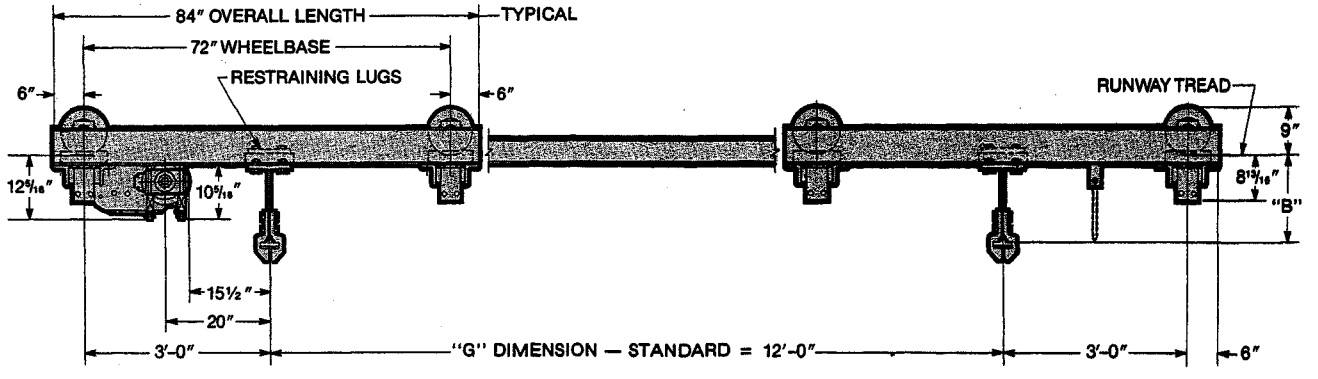
LOUDEN® 517T DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE

517T-18
Issued 9-7-01



Wheelbase = "G" Plus 6'-0"
8-Wheel Trojan Crane Trucks

or



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
Optional 8-Wheel Trojan Crane Trucks

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO *TROJANTRACK* RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517T.20003					**20000 Lbs. Capacity**							**29700 Lbs. Design Load (1)**
18	605.1235	5352	1½	2	12	9½	18	N.A.	16	8	40000	8094
20	605.1543	5818	1½	2	12	9½	18	N.A.	16	8	40000	8153
22	605.1543	5996	1½	2	12	9½	18	N.A.	16	8	40000	8175
24	605.1543	6174	1½	2	12	9½	18	N.A.	16	8	40000	8197
26	605.1850	6879	1½	2	12	9½	18	N.A.	16	8	40000	8285
28	605.1850	7085	1½	2	12	9½	18	N.A.	16	8	40000	8311
30	605.1850	7291	1½	2	12	9½	18	N.A.	16	8	40000	8337
32	605.1850	7497	1½	2	12	9½	18	N.A.	16	8	40000	8363
34	605.2166	9129	1½	3	12	9½	18	N.A.	16	8	40000	8567
36	605.2166	9399	1½	3	12	9½	18	N.A.	16	8	40000	8600
38	605.2166	9669	1½	3	12	9½	18	N.A.	16	8	40000	8634
40	605.2166	9939	1½	3	12	9½	18	N.A.	16	8	40000	8668
42	605.2474	11518	1½	3	12	9½	18	N.A.	16	8	40000	8865
44	605.2474	11820	1½	3	12	9½	18	N.A.	16	8	40000	8903
46	605.2474	12122	1½	3	12	9½	18	N.A.	16	8	40000	8941
48	605.2785	13288	1½	3	12	9½	18	N.A.	16	8	40000	9086
50	605.2785	13634	1½	3	12	9½	18	N.A.	16	8	40000	9130
52	605.2785	13980	1½	3	12	9½	18	N.A.	16	8	40000	9173
54	605.3089	14758	1½	3	12	9½	18	N.A.	16	8	40000	9270
56	605.3089	15120	1½	3	12	9½	18	N.A.	16	8	40000	9315
58	605.3292	15830	1½	3	12	9½	18	N.A.	16	8	40000	9404

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 6,700 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.
11. **40,000 Lb. Trojan End Trucks (9" Dia. wheels) must run on Super *TrojanTrack* Runways.**

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting, or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

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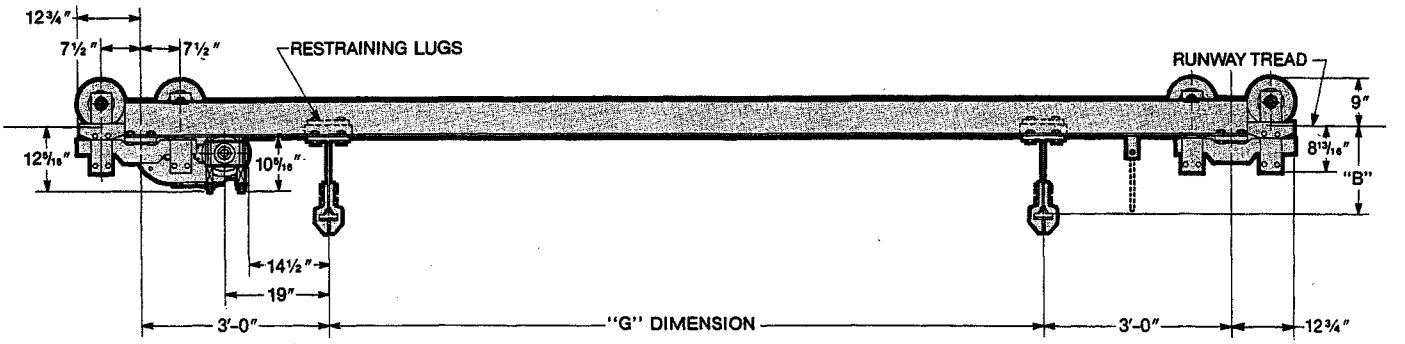
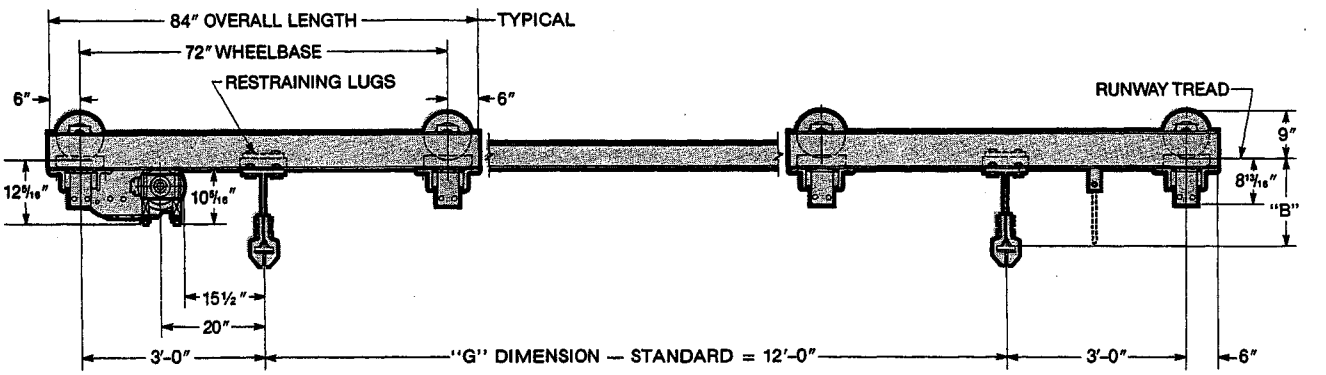


Wheelbase = "G" Plus 6'-0"
8-Wheel Trojan Crane Trucks

or



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
Optional 8-Wheel Trojan Crane Trucks

LOUDEN® 517T DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE

517T-21
Issued 9-7-01

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO *TROJANTRACK* RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517T.20003					**20000 Lbs. Capacity**					**29700 Lbs. Design Load (1)**		
18	605.1235	6507	1½	2	12	9½	18	N.A.	16	16	60000	4120
20	605.1543	6973	1½	2	12	9½	18	N.A.	16	16	60000	4149
22	605.1543	7151	1½	2	12	9½	18	N.A.	16	16	60000	4160
24	605.1543	7329	1½	2	12	9½	18	N.A.	16	16	60000	4171
26	605.1850	8034	1½	2	12	9½	18	N.A.	16	16	60000	4215
28	605.1850	8240	1½	2	12	9½	18	N.A.	16	16	60000	4228
30	605.1850	8446	1½	2	12	9½	18	N.A.	16	16	60000	4241
32	605.1850	8652	1½	2	12	9½	18	N.A.	16	16	60000	4254
34	605.2166	10284	1½	3	12	9½	18	N.A.	16	16	60000	4356
36	605.2166	10554	1½	3	12	9½	18	N.A.	16	16	60000	4373
38	605.2166	10824	1½	3	12	9½	18	N.A.	16	16	60000	4389
40	605.2166	11094	1½	3	12	9½	18	N.A.	16	16	60000	4406
42	605.2474	12673	1½	3	12	9½	18	N.A.	16	16	60000	4505
44	605.2474	12975	1½	3	12	9½	18	N.A.	16	16	60000	4524
46	605.2474	13277	1½	3	12	9½	18	N.A.	16	16	60000	4543
48	605.2785	14443	1½	3	12	9½	18	N.A.	16	16	60000	4616
50	605.2785	14789	1½	3	12	9½	18	N.A.	16	16	60000	4637
52	605.2785	15135	1½	3	12	9½	18	N.A.	16	16	60000	4659
54	605.3089	15913	1½	3	12	9½	18	N.A.	16	16	60000	4708
56	605.3089	16275	1½	3	12	9½	18	N.A.	16	16	60000	4730
58	605.3292	16985	1½	3	12	9½	18	N.A.	16	16	60000	4775

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 6,700 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.
11. **40,000 Lb. Trojan End Trucks (9" Dia. wheels) must run on Super *TrojanTrack* Runways.**

WARNING: Equipment described herein is not designed for and should not be used for lifting, supporting, or transporting humans. Use of the equipment for this purpose can result in serious bodily injury and/or property damage.

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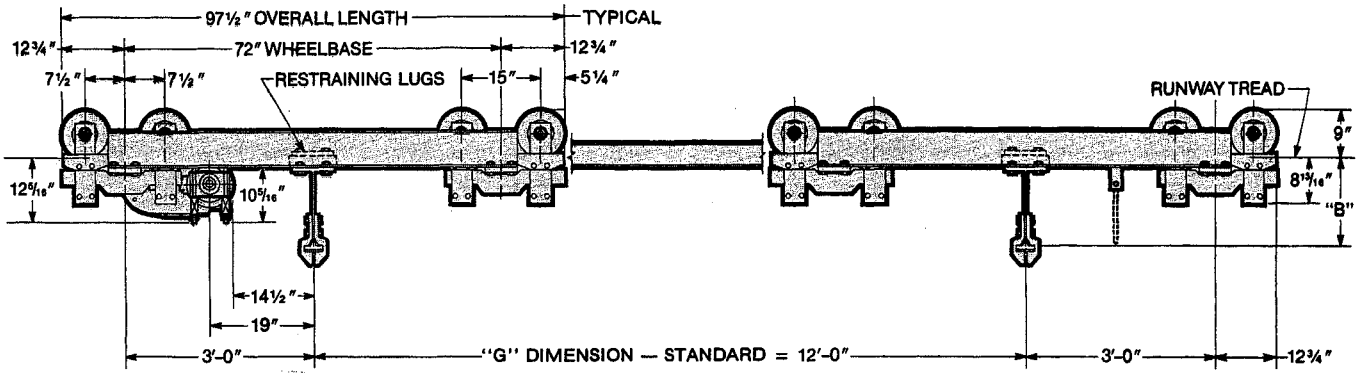

STD. Wheelbases = 6'-0", 6'-0", 6'-0"
16-Wheel Trojan Crane Trucks

LOUDEN® 517T DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE

517T-23
Issued 9-7-01

DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE, TO OPERATE ON TWO *TROJANTRACK* RUNWAYS - 3.33" FLANGE, FOR USE WITH ELECTRIC OR AIR HOISTS ON DOUBLE GIRDER TROLLEYS.

Max. Span Ft.	Bridge Girder Required	Crane Weight (Lbs.)	Motor H.P. Speed (F.P.M.) 75	135	Overhang In. Std.	In. Min.	In. Max.	505.7824 Latch	505.7830 Latch	Crane Trucks No. Whls.	Capacity (Max.)	Wheel Load Per Pair (2)
Catalog No. 517T.30003					**30000 Lbs. Capacity**					**42830 Lbs. Design Load (1)**		
18	605.1543	6847	2	3	12	9½	18	N.A.	16	16	60000	5782
20	605.1850	7301	2	3	12	9½	18	N.A.	16	16	60000	5811
22	605.1850	7501	2	3	12	9½	18	N.A.	16	16	60000	5823
24	605.1850	7701	2	3	12	9½	18	N.A.	16	16	60000	5836
26	605.2166	8950	2	3	12	9½	18	N.A.	16	16	60000	5914
28	605.2166	9214	2	3	12	9½	18	N.A.	16	16	60000	5930
30	605.2166	9478	2	3	12	9½	18	N.A.	16	16	60000	5947
32	605.2166	9742	2	3	12	9½	18	N.A.	16	16	60000	5963
34	605.2474	10880	2	3	12	9½	18	N.A.	16	16	60000	6034
36	605.2474	11176	2	3	12	9½	18	N.A.	16	16	60000	6053
38	605.2474	11472	2	3	12	9½	18	N.A.	16	16	60000	6071
40	605.2785	13325	3	5	12	9½	18	N.A.	16	16	60000	6187
42	605.2785	13665	3	5	12	9½	18	N.A.	16	16	60000	6208
44	605.2785	14005	3	5	12	9½	18	N.A.	16	16	60000	6230
46	605.2785	14345	3	5	12	9½	18	N.A.	16	16	60000	6251
48	605.3089	15043	3	5	12	9½	18	N.A.	16	16	60000	6294
50	605.3089	15399	3	5	12	9½	18	N.A.	16	16	60000	6317
52	605.3292	16091	3	5	12	9½	18	N.A.	16	16	60000	6360

NOTES:

1. Design Load = Live Load, plus 15% live load for impact, plus 8,330 lbs. for hoist and trolley.
2. Calculated for this crane with specified design load.
3. Maximum permissible wheel load on 603 *SuperTrack* and 604 *SuperTrack* Girder is 2,500 Lbs. (5,000 Lbs. per two-wheel trolley). For 605 *TrojanTrack* Girder the limitation is 3,750 Lbs. (7,500 Lbs. per two-wheel trolley) when transferring through 505.7830 latch; 5,000 Lbs. (10,000 Lbs. per two-wheel trolley) when captive on bridge, or when used on Super-*TrojanTrack* Runways. (Super-*TrojanTrack* requires .75 in. min. thickness of top flange, .4375 in. min. thickness of web, and splices must be welded rather than bolted.)
4. Speeds shown are based on using 1800 RPM motors.
5. Horsepowers shown are based on using single speed motors.
6. Available non-standard speeds are 50, 110, 165, 190, 255 FPM.
7. Standard 2-Speed motors are 1800/600 RPM.
8. Weights shown are based on single speed drive with brake and controls, flat-wire festoon tagline bridge electrification, and 12" overhang each end of bridge.
9. B = Girder depth plus 2". (Tread to tread.)
10. Prices include the smaller HP shown. For larger HP, see modifications.
11. **40,000 Lb. Trojan End Trucks (9" Dia. wheels) must run on Super *TrojanTrack* Runways.**

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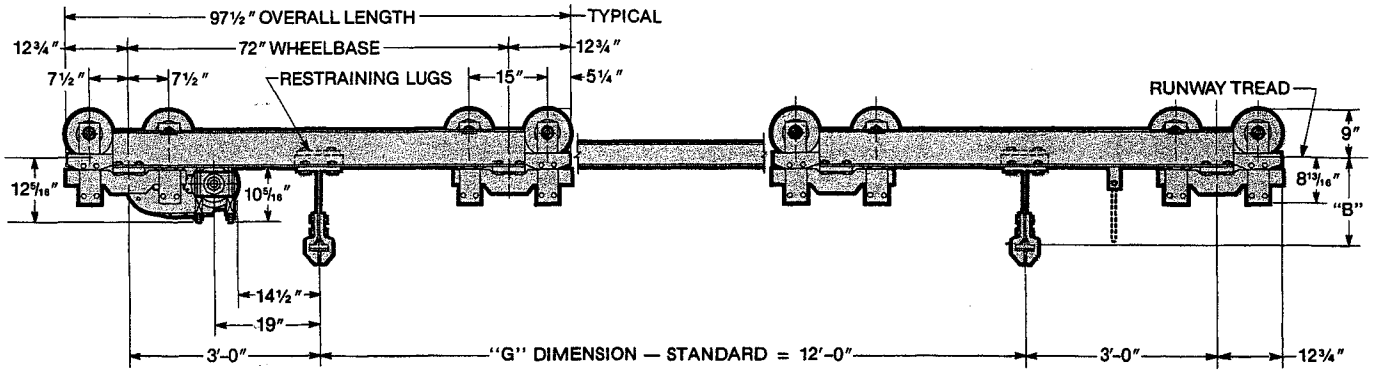
LOUDEN® 517T DOUBLE GIRDER MOTOR PROPELLED CRANES WITH CENTER DRIVE

517T-24
Issued 9-7-01



STD. Wheelbases = 6'-0", 6'-0", 6'-0"
16-Wheel Trojan Crane Trucks

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