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| Included in | | | | | |
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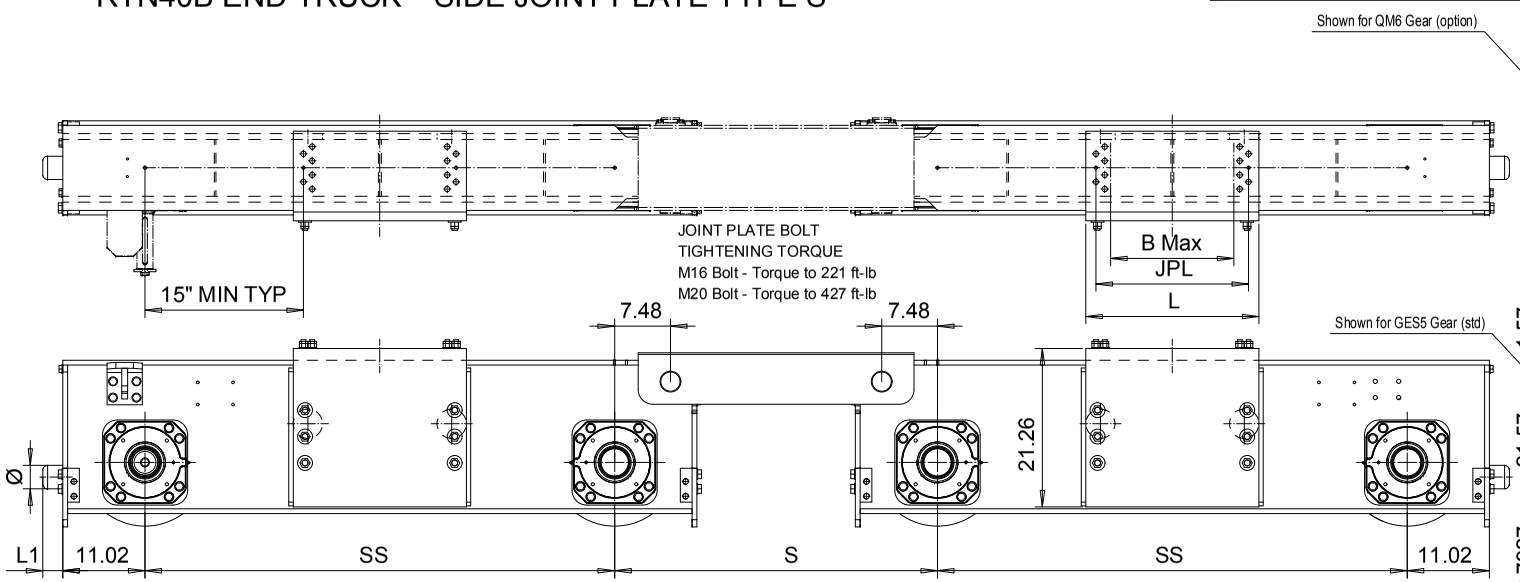
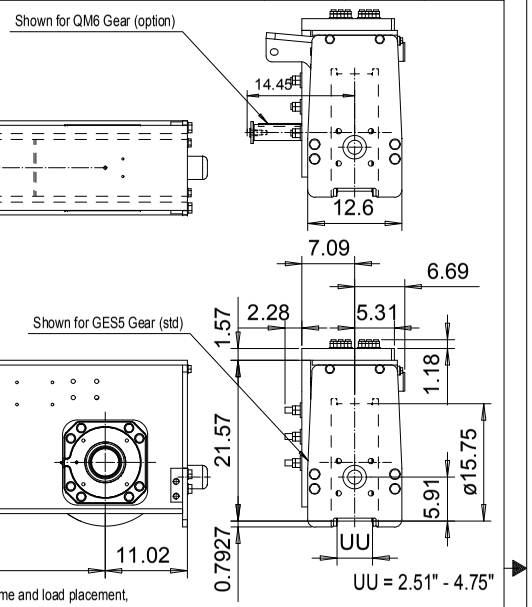
| | | | | | |

| Rev | Explanation | Date | Revised by | Checked by |
|---|---|---|---|---|
| | | | | |

# RTN40B END TRUCK SIDE JOINT PLATE TYPE S




The wheel loads listed are only a guideline. The max. dyn. wheel load listed is based on the structural integrity of the frame and load placement, and it does not take into account permissible wheel loading or bearing life. The load placement is at the center of each truck. The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 32 m/min [100 fpm], end truck duty is Fem 2m, and the runway rail as listed. The actual wheel load should not exceed the permissible wheel load. If the permissible dynamic wheel load is greater than the maximum dyn wheel load, then the actual wheel load cannot exceed maximum dyn wheel load.
Dyn wheel load = 1.15 x static wheel load.

Product Code example

RTN40B1675-S62180C1100-N

- N=standard, E=Special
- -primer paint, color code
- Inner wheel distance (S), 620 mm min.
- Buffer type
- Joint plate distance (pin to pin, with double DG girder)
- Joint plate code
- - =1WD, D =2WD (Number of driving wheels/end carriage)
- Wheel groove =UU
- Wheel base =SS
- B = Bogie
- Type of end carriage

| Joint plate | JPL | B max | L | Weight/pc |
|---|---|---|---|---|
| | | | | (lb) |
| S6 | 20.47" | 16.14" | 11.42" | 306 |
| S7 | 28.35" | 24.41" | 31.5" | 408 |
| S9 | 43.31" | 38.98" | 46.06" | 584 |

Minimum wheelbase with S9 joint plate is 10'-4".

*Approximate weight of end truck assumes GES5 drive wheel, S6 joint plate, and bogie connector for S = 1100 mm. QM6 drive parts adds extra weight.

| Item | Weight, lb |
|---|---|
| QM6 | 73 |
| Bogie connector | 128 lb + (1.1 * (S - 26.61")) |

| Buffer type | L1 | Ø |
|---|---|---|
| B | 2 11/16" | 3 3/16" |
| C | 3 5/16" | 3 15/16" |
| D | 4 1/8" | 4 15/16" |
| E | 5 15/16" | 3 15/16" |
| F | 7 1/2" | 4 15/16" |
| H | 6 5/16" | 6 5/16" |
| I | 7 7/8" | 7 7/8" |
| M | 4 15/16" | 4 15/16" |
| P | 9 7/16" | 6 5/16" |
| S | 11 13/16" | 7 7/8" |
| T | 13 3/4" | 9 7/8" |
| Y | 18 3/4" | 9 7/8" |
| B, C, D rubber | | |
| K, G, E, F, H, I, M, P, S polyurethane | | |

| Wheelbase | SS | Max dyn whl load, (kip) | Perm dyn whl load, (kip) | | | Approx. Wt.*/Bogie Trk |
|---|---|---|---|---|---|---|
| code | | DG | ASCE 60 | ASCE 85 | BETH 135 | (lb) |
| 16 | 5'-3" | 78.8 | 45.7 | 50.7 | 66.6 | 4226 |
| 18 | 5'-10 7/8" | 78.8 | 45.7 | 50.7 | 66.6 | 4429 |
| 20 | 6'-6 3/4" | 78.8 | 45.7 | 50.7 | 66.6 | 4636 |
| 22 | 7'-2 5/8" | 78.8 | 45.7 | 50.7 | 66.6 | 4839 |
| 25 | 8'-2 7/16" | 78.8 | 45.7 | 50.7 | 66.6 | 5148 |

| ETTPIA Design | ETTPIA Chd | Appd | Ref Drawing | |
|---|---|---|---|---|
| 2008-08-11 Date | END TRUCK | | | 1 : 7 |
| SLEQDOCV Dept | OUTLINE DRAWING | | | Folder ECN40B |
| R&M MATERIALS HANDLING INC. | R&M MATERIALS HANDLING, INC. HOIST & CRANE PRODUCTS SPRINGFIELD, OHIO | RTN40B-S | | Issue 6/2013 |
| | | RTN40B END TRUCK SIDE JOINT | | |