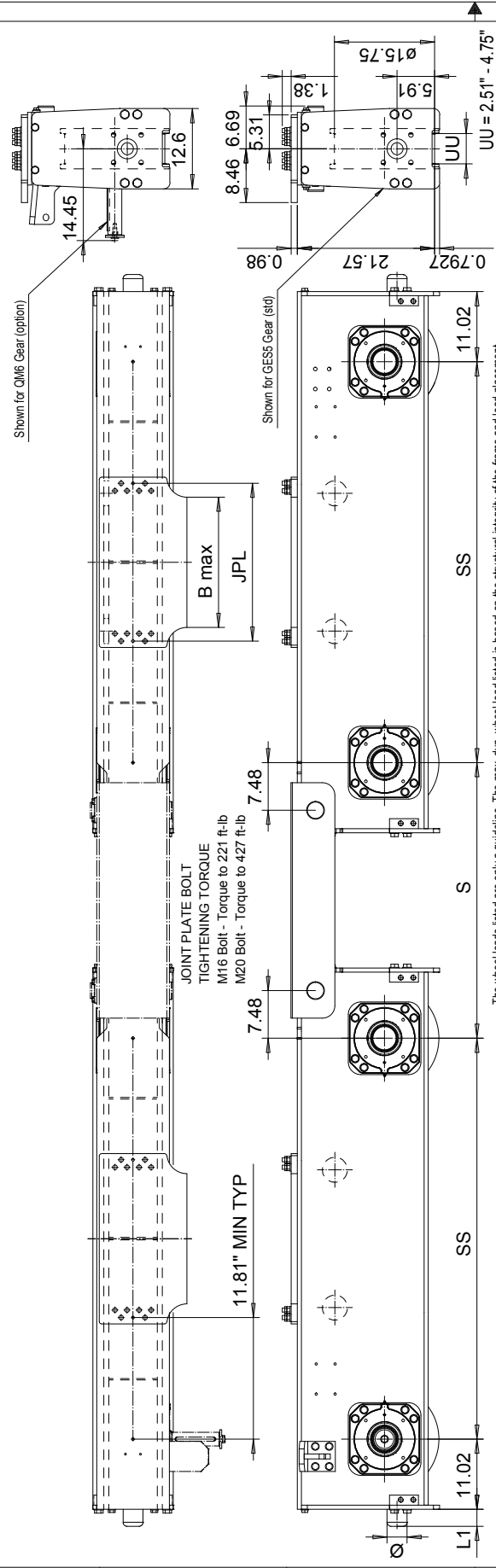


This document is the absolute property of R&M Materials Handling, Inc. This document must not be copied without the written permission of R&M Materials Handling, Inc. The contents thereof must not be disclosed to a third party nor be used for any unauthorized purpose. Contention will be prosecuted.

RTN40B END TRUCK TOP JOINT PLATE TYPE K



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 min/mi [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.

- 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

Product Code example
RTN40B1675-S62180C1100-N

Joint plate	JPL	B max	Weight/pc (lb)
K4	20.47"	16.14"	86
K5	24.80"	20.47"	104
K7	33.46"	29.13"	137
K9	43.31"	38.98"	174

Minimum wheelbase with K9 joint plate is 10'-4".

*Approximate weight of end truck assumes GESS drive wheel, K5 joint plate, and bogie connector for S = 1100 mm. QM6 drive parts adds extra weight.

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"

Item	Weight, lb
QM6	73
Bogie connector	128 lb + (1.1" (S - 26.6"))

Wheelbase code	SS	Max dyn whl load, (kip)	Perme dyn whl load, (kip)	ASCE 60	ASCE 85	BETH 135	Approx. Wt.*/Bogie Trk (lb)
16	5'-3"	78.8	45.7	50.7	66.6	3821	
18	5'-10 7/8"	78.8	45.7	50.7	66.6	4023	
20	6'-6 3/4"	78.8	45.7	50.7	66.6	4231	
22	7'-2 5/8"	78.8	45.7	50.7	66.6	4433	
25	8'-2 7/16"	78.8	45.7	50.7	66.6	4742	

Design	App'd	Ref Drawing
ETTPFA 2008-08-11		
Date	END TRUCK	
Part	OUTLINE DRAWING	
Scale	RTN40B-K	1:1
R&M MATERIALS HANDLING PRODUCTS INC.		
RTN40B END TRUCK TOP JOINT		
ECN408 6/2013		