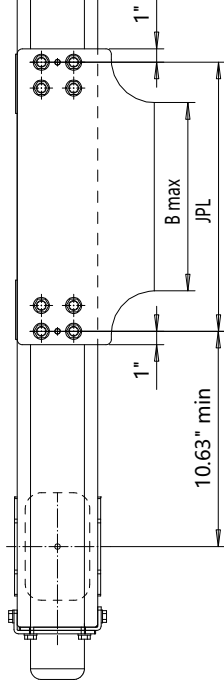


This document is the absolute property of R&M Materials Handling, Inc. This document must not be copied without the written permission of R&M Materials Handling, Inc. The contents thereof must not be disclosed to a third party nor be used for any unauthorized purpose. Contravention will be prosecuted.

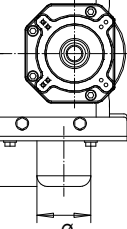
RTN16 END TRUCK TOP JOINT PLATE TYPE B



JOINT PLATE BOLT
TIGHTENING TORQUE
M16 Bolt - Torque to 221 ft-lb
M20 Bolt - Torque to 427 ft-lb

SS

L1 6 3/8"



Product Code example

RTN16-2574-B40700C0000-N

N=standard, E=Special
-primer paint, color code
(not in use)

Buffer type

Joint plate distance (join to pin, with double DG girder)

(driving wheel to pin with asymmetrical single SG girder)

Joint plate code

- = 1WD, D = 2WD (Number of driving wheels/end carriage)

Wheel groove = UU

Wheel base = SS

- = std, C=asymmetrical joint

Type of end carriage

The wheel loads listed are only a guideline. The max. 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. SG load placement is at the center, and DG load placement is for a trolley gage of 1400 mm [55 1/8"].

The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 40 m/min [130 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

Joint plate	Min. Wheelbase Trolley Gage=47.25"	JPL	B max
B4	8'-2 7/16"; DG	19 11/16"	13 3/4"
B6	8'-2 7/16"; DG	27 9/16"	21 11/16"

UU = 2 1/8" - 3 5/16"

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"
K	3 3/16"	3 3/16"
G	3 15/16"	3 15/16"
E	5 15/16"	3 15/16"
M	4 15/16"	4 15/16"
F	7 1/2"	4 15/16"
H	6 15/16"+3 15/16"	6 5/16"
P	9 7/16"+3 15/16"	6 5/16"
B, C, D rubber		
K, G, E, M, F, H, P polyurethane		

Wheelbase code	SS	H1	Max dyn whl load, (kip)		Perm dyn whl load, (kip)		Approx Wgt / trk (lb)	
			SG	DG	ASCE 40	ASCE 60	ASCE 85	DG
16	5'-3"	10 7/16"	18	18	11.25	15.3	16.9	479
20	6'-6 3/4"	10 7/16"	18	18	11.25	15.3	16.9	530
25	8'-2 7/16"	10 7/16"	18	18	11.25	15.3	16.9	592
32; DG	10'-4"	10 7/16"	-	18	11.25	15.3	16.9	671
32; SG	10'-4"	12 7/16"	18	-	11.25	15.3	16.9	-
40	13'-1 1/2"	12 7/16"	14.18	15.53	11.25	15.3	16.9	855
45	14'-9 3/16"	12 7/16"	9.9	10.8	11.25	15.3	16.9	926

Revision		Description		Specification		Drawing	
ETTPH Design		ETTPH Chd		ETTPH Chd		Ref Drawing	
2008-10-14		2008-10-14		2008-10-14		2008-10-14	
SLEDGOCV		SLEDGOCV		SLEDGOCV		SLEDGOCV	
Driver Dept		Driver Dept		Driver Dept		Driver Dept	
1 6		1 6		1 6		1 6	
Folder		Folder		Folder		Folder	
RTN16-B		RTN16-B		RTN16-B		RTN16-B	
RTN16 END TRUCK TOP JOINT		RTN16 END TRUCK TOP JOINT		RTN16 END TRUCK TOP JOINT		RTN16 END TRUCK TOP JOINT	
Rev		Rev		Rev		Rev	
08/2025		08/2025		08/2025		08/2025	

