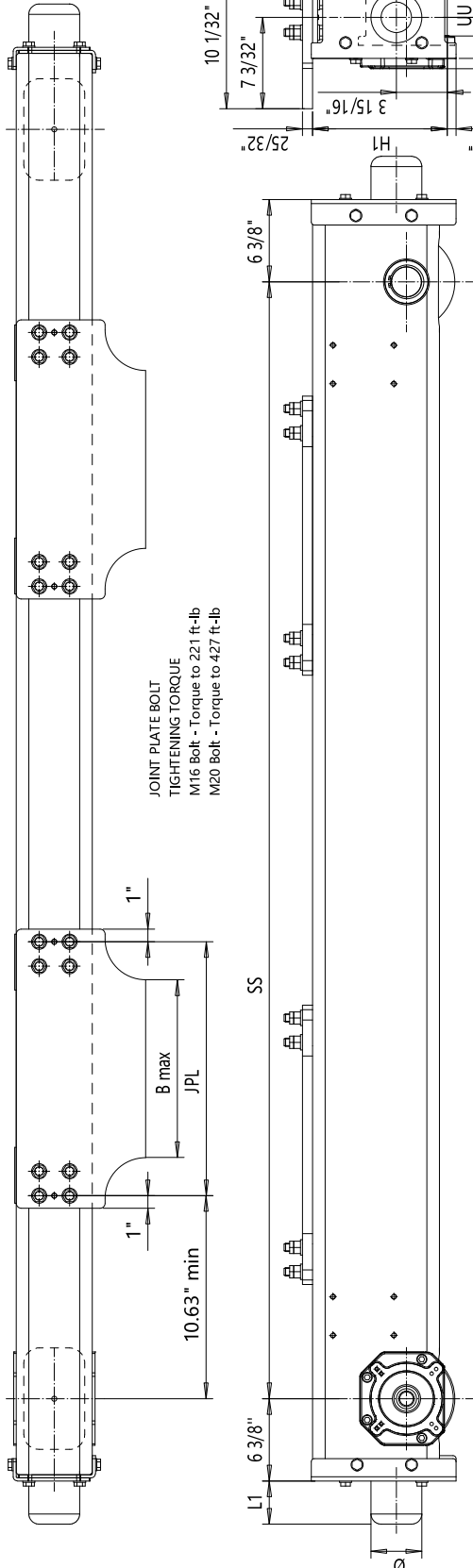


RTN16 END TRUCK TOP JOINT PLATE TYPE B



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

Product Code example

RTN16-2574-B40700C0000-N

- N=standard, E=Special
- primer paint, color code (not in use)
- Buffer type
- Joint plate distance (joint 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

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"

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 = 1.15x Static wheel load

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	SG	DG
16	5'-3"	10 7/16"	18	18	11.25	15.3	16.9	415	479
20	6'-6 3/4"	10 7/16"	18	18	11.25	15.3	16.9	466	530
25	8'-2 7/16"	10 7/16"	18	18	11.25	15.3	16.9	528	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	669	-
40	13'-1 1/2"	12 7/16"	14.18	15.53	11.25	15.3	16.9	791	855
45	14'-9 3/16"	12 7/16"	9.9	10.8	11.25	15.3	16.9	862	926

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

Pos	Description	Specification	Rev	Issued by	Checked by
ETVPH	Design	ETVPH			
2008-10-14	Issue	2008-10-14			
SLEDOOCY	Owner Dept	SLEDOOCY			
R&M MATERIALS HANDLING INC. MATERIALS HANDLING DEPARTMENT 116 EGN16 Issue: 03/2012					

RTN16 END TRUCK TOP JOINT