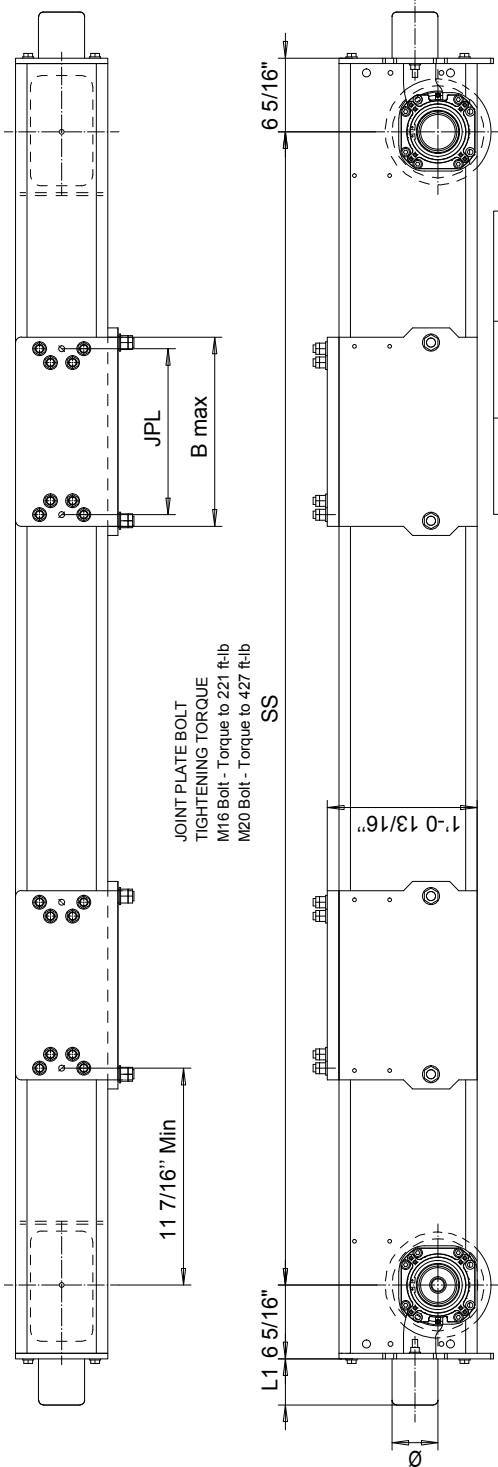


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# RTN20 END TRUCK SIDE JOINT PLATE TYPE R



Bmax = Max. flange width of girder  
4 13/16"

1 3/8"

4 13/16"

3 15/16"

1 1/4"

5 7/8"

1-0 3/8"

Ø 7 7/8"

Ø 9 1/16"

UU

UU = 2 1/8" - 3 3/4"

13 1/16"

6 5/16"

11 7/16" Min

JPL

B max

1-0 13/16"

Ø

## Product Code example

RTN20-2574-R40840C0000-N

- N=standard, E=Special
- -primer paint, color code (not in use with RTN20)
- Buffer type
- Joint plate distance (pin 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=LU
- 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 Fm 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

Buffer type	L1	Ø
A	2 3/16"	2 1/2"
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"
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"
K, G, E, F, H, I, M, P, S polurethane		

Joint	Min. Wheelbase	JPL	B max
plate	Trolley gage = 47.25"		
R3	8'-2 7/16"; DG	9.84"	11 13/16"
R4	8'-2 7/16"; DG	14.17"	16 1/8"
R5	8'-2 7/16"; DG	18.5"	20 1/2"
R6	8'-2 7/16"; DG	22.83"	24 13/16"

Wheelbase code	SS	Max dyn whl load, (kip)		Perm dyn whl load, (kip)		Approx. Wgt / trk, lb	
		SG	DG	ASCE 60#	ASCE 85#	SG	DG
16	5'-3"	29.7	29.7	19.8	22	556	650
20	6'-6 3/4"	29.7	29.7	19.8	22	619	714
25	8'-2 7/16"	29.7	29.7	19.8	22	700	795
32	10'-4"	25.2	29.7	19.8	22	804	898
40	13'-1 1/2"	16.88	19.13	19.8	22	940	1035
45	14'-9 3/16"	11.93	13.28	19.8	22	1020	1114

Rev	Description	Specification	14	Drawing
Rev	RTN20VPH	RTN20VPH	14	Rev Drawing
Date	2008-05-23	2008-05-23		
Phase				
END TRUCK OUTLINE DRAWING				
RTN20-R				
Author	R&M MATERIALS HANDLING INC.			
Checker	R&M MATERIALS HANDLING INC.			
Designer	R&M MATERIALS HANDLING INC.			
Scale	RTN20 END TRUCK SIDE JOINT			
Drawn	08/2013			