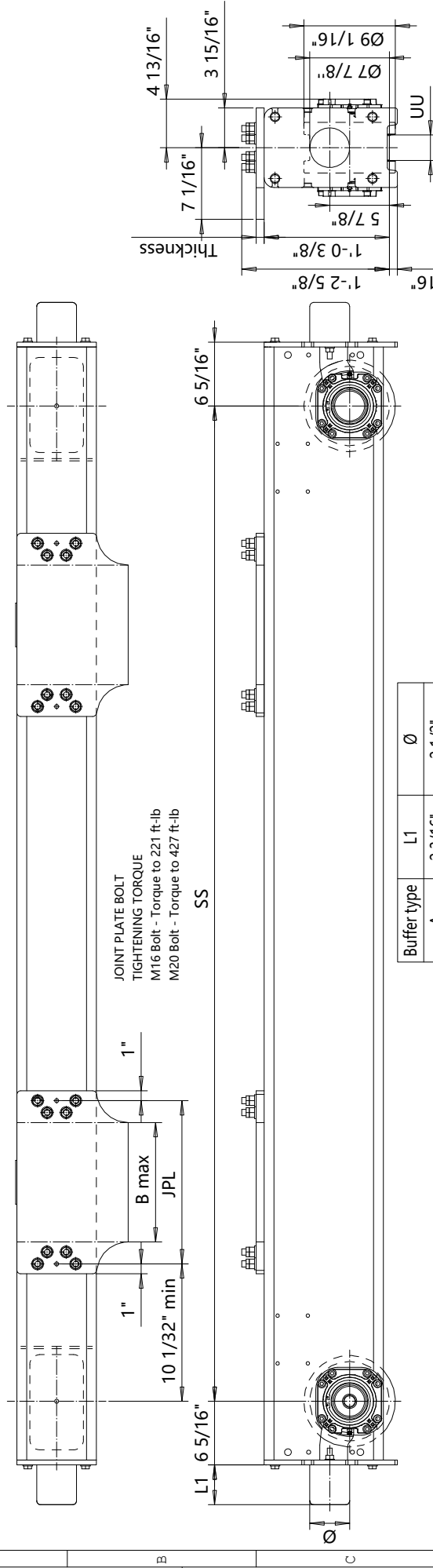


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RTN20 END TRUCK TOP JOINT PLATE TYPE L


$$III = 2\frac{1}{8}" - 3\frac{3}{4}"$$

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], and truck duty is 5 em 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 = $1.15 \times$ static wheel load

Joint	Thickness	Min. Wheelbase	JPL	B MAX
plate		Trolley gage=55.12"		
L3	1"	8'-2 7/16"; DG	16.14"	11 13/16"
L4	13/16"	8'-2 7/16"; DG	20.47"	16 3/16"
L5	13/16"	8'-2 7/16"; DG	24.8"	20 1/2"
L6	13/16"	10'-4"; DG	29.13"	24 13/16"

Pos	Description	Specification	ETVPH	Id	Drawing
	ETVPH Design		Chd		
	Date	2008-05-23	Appd		Ref Drawing
END TRUCK					
OUTLINE DRAWING					
Dept	RTN20-L				
RTN20 END TRUCK TOP JOINT					
Issue					
08/2025					
ECN20					
Folder					
1:10					

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"
B, C, D rubber		
K, G, E, F, H, I, M, P polyurethane		

Product Code example

RTN20-2574-130990C0000-N

N=standard, E=Special
-primer paint, color code
(not in use with RTN20)

Buffer type

Joint plate

(driving wt)

Joint intake

Joint plate

— $\equiv$ IWD, D

Wheel grooves

Wheel base _____

_____ - std, C=a

Type of end

Wheelbase	SS	Max dyn whl load, (kip)		Perm dyn whl load, (kip)		Approx Wgt / trk, lb	
code		SG	DG	ASCE 60#	ASCE 85#	SG	DG
16	5'-3"	29.7	29.7	19.8	22	515	570
20	6'-6 3/4"	29.7	29.7	19.8	22	579	634
25	8'-2 7/16"	29.7	29.7	19.8	22	658	713
32	10'-4"	25.2	29.7	19.8	22	763	818
40	13'-1 1/2"	16.88	19.13	19.8	22	898	953
45	14'-9 3/16"	11.93	13.28	19.8	22	979	1034