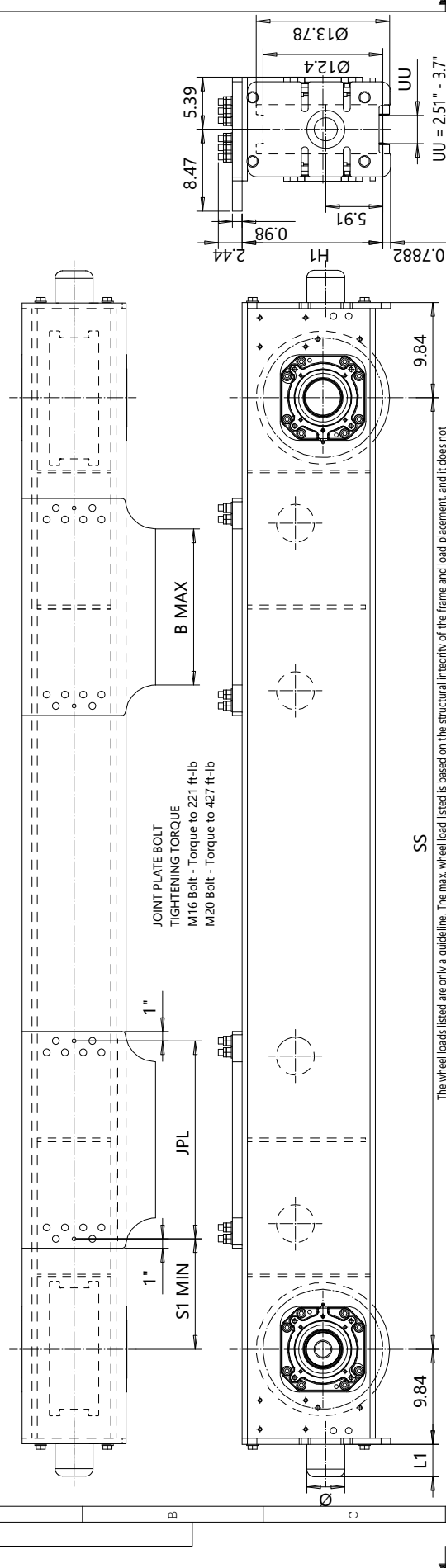




The wheel loads listed are only a guideline. The max wheel load listed is based on the structural integrity of the frame and load placement, and it does not take into account permissible wheel loading or bearing life. SG load placement is at the center, and DG load placement is for a trolley gage of 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.

N=standard, E=Special
- primer paint, color code (not in use)
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 = UU
Wheel base = SS
- = std, C=asymmetrical joint
Type of end carriage

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"

Joint plate

JPL	B max
K4	20.47"
K5	24.80"
K7	33.46"
K9	43.31"

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

Wheelbase code	SS	Max dyn whl load, (kip)	Permissible whl load, (kip)	Approx. Wt./Trk, lb	H1	S1 MIN
25	8'-2 7/16"	56.93	49.3	1405	14 9/16"	11.03"
32	10'-4"	44	49.3	1593	14 9/16"	11.03"
40	13'-1 1/2"	46.8	49.3	1796	18 1/2"	12.60"
45	14'-9 1/8"	41.63	49.3	1919	18 1/2"	12.60"
50	16'-4 7/8"	45	49.3	2188	21 1/2"	12.60"
55	18'-1/2"	40.95	49.3	2323	21 1/2"	12.60"

Product Code example

DFO32-2574-K40880C0000-N

Pos	Description	Specification	ETTPA Chd	Appl	Ref Drawing
Design	2008-08-11				
Date					
Sheet					
Folder					
Page					

END TRUCK

OUTLINE DRAWING

DFO32-K

DFO32 END TRUCK TOP JOINT

DEMAG

3/2012