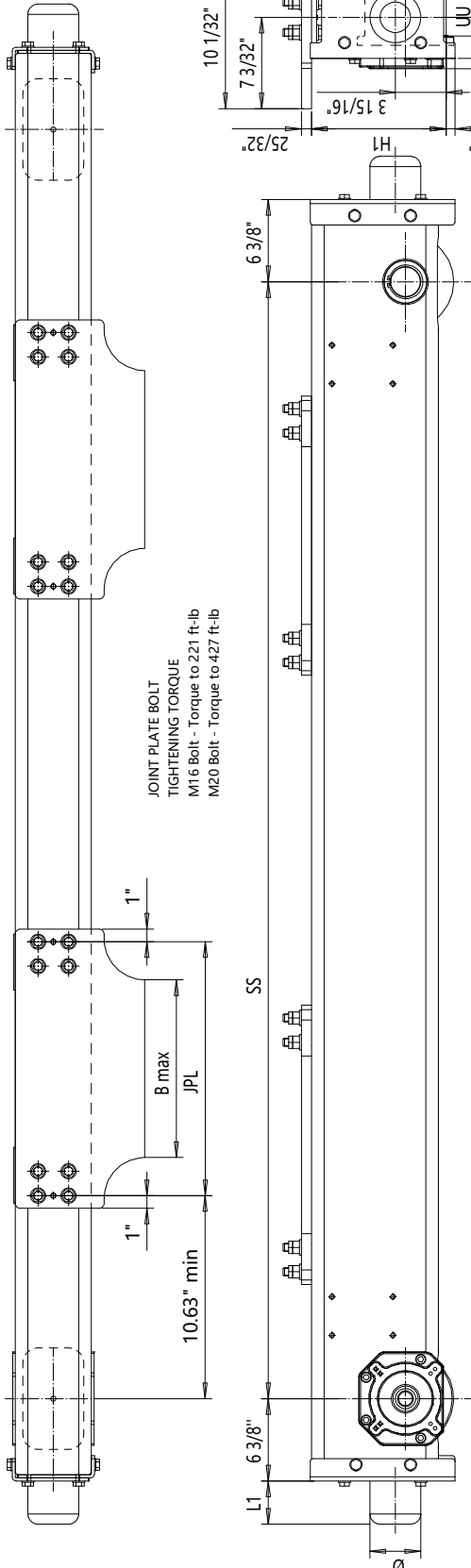


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DFO16 END TRUCK TOP JOINT PLATE TYPE B



Product Code example

DFO16-2574-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"

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	SG	DG	ASCE 85	DG
16	5'-3"	10 7/16"	18	18	11.25	15.3	16.9	415	479	415	479
20	6'-6 3/4"	10 7/16"	18	18	11.25	15.3	16.9	466	530	466	530
25	8'-2 7/16"	10 7/16"	18	18	11.25	15.3	16.9	528	592	528	592
32; DG	10'-4"	10 7/16"	-	18	11.25	15.3	16.9	-	671	16.9	671
32; SG	10'-4"	12 7/16"	18	-	11.25	15.3	16.9	669	-	16.9	-
40	13'-1 1/2"	12 7/16"	14.18	15.53	11.25	15.3	16.9	791	855	16.9	855
45	14'-9 3/16"	12 7/16"	9.9	10.8	11.25	15.3	16.9	862	926	16.9	926

Revision		Description		Specification		Drawing	
EITVPH		Design		Chd		Ref Drawing	
2008-10-14		Date		END TRUCK		OUTLINE DRAWING	
SLEDGOCV		Owner Dept		DFO16-B		DFO16-B	
1 6		Folder		ECN16		Date	
08/2025		Issue		DFO16 END TRUCK TOP JOINT		DFO16-B	

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