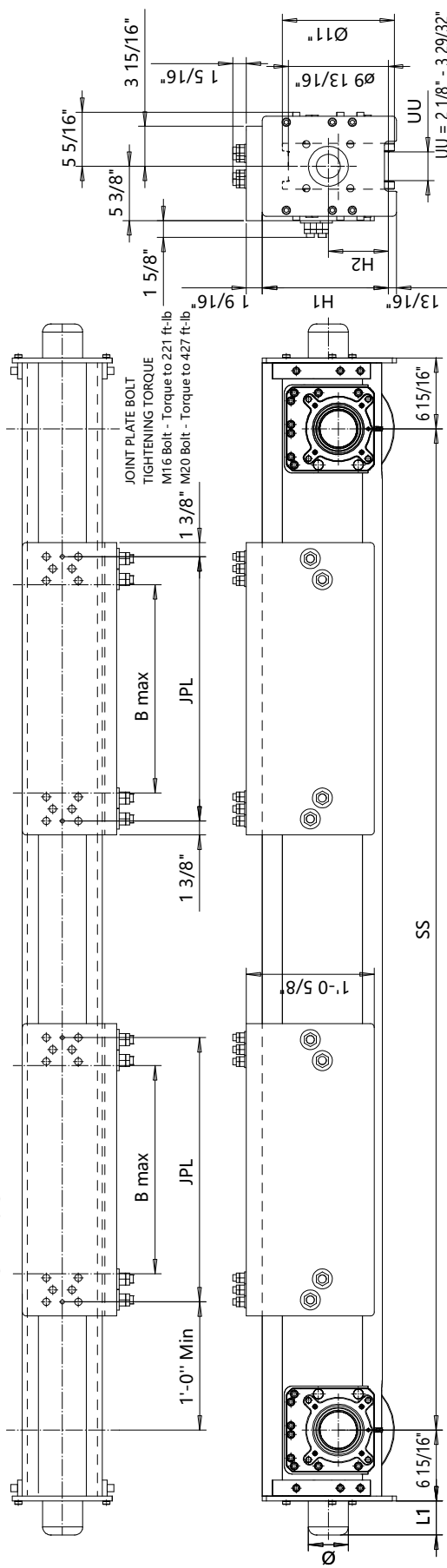


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DFO25 END TRUCK SIDE JOINT PLATE TYPE F



Wheelbase code	SS	Max dyn whl load, (kip)	Permitted whl load, (kip)	Approx. Wt./Trk, lb	H1	H2
		SG	DG	SG	DG	DG
20	6'-6 3/4"	41.63	-	28.4	25.8	25.8
25	8'-2 7/16"	38.48	41.63	28.4	25.8	25.8
32	10'-4"	38.25	41.63	28.4	25.8	25.8
40	13'-1 1/2"	35.55	41.63	28.4	25.8	25.8
45	13'-1 1/2"	28.8	31.28	28.4	25.8	25.8
50	16'-4 7/8"	31.05	40.95	28.4	25.8	25.8
55	18'-1/2"	28.13	30.38	28.4	25.8	25.8

Product Code example

DFO25-2570-F50541C0000-N

N=standard, E=Special
- primer paint, color code
(not in use with RTN25)

Buffer type

Joint plate distance (DG)

Joint plate code

- = 1WD, D = 2WD (per truck)

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 gauge 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.

If permissible dynamic wheel load is greater than the maximum dyn wheel load, use maximum dyn wheel load to select the end truck.

Dyn wheel load = 1.15 x static wheel load

Joint plate	JPL	B max	Min. Wheelbase
F4	18.9"	15 3/8"	Trolley gauge = 47.25"
F5	25.98"	20 1/2"	8'-2 7/16"; DG
F7	35.04"	29 1/2"	8'-2 7/16"; DG
F8	40.55"	35"	10'-4"; DG

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

No.	Description	Specification	Id	Drawing
ETPPA Design	ETPPA Chd	ETPPA Chd		
2008-08-11	2008-08-11	2008-08-11		
SS: EOPCOV	SS: EOPCOV	SS: EOPCOV		
Dept	Dept	Dept		
END TRUCK				
OUTLINE DRAWING				
DFO25-F				
DFO25 END TRUCK SIDE JOINT				
1/1				
Folder EOP25				
Issue 08/2025				