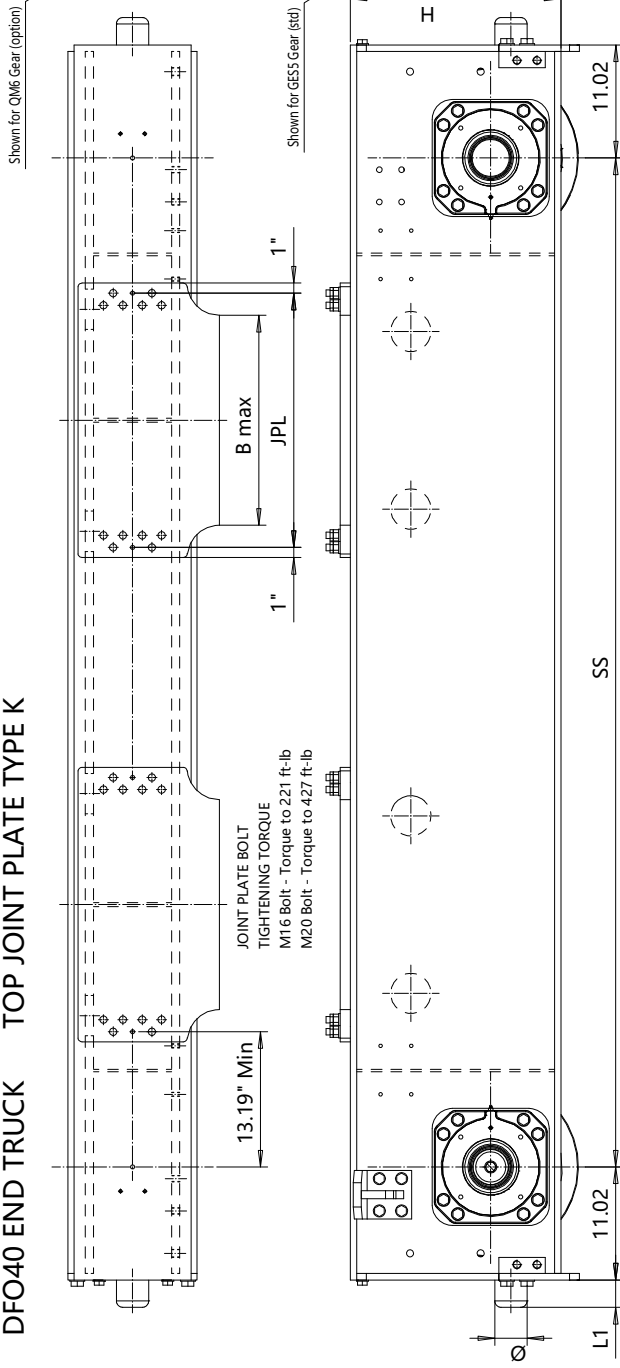


This document is the absolute property of Demag Crane & Components Corp. This document must not be copied without the written permission of Demag Crane & Components Corp. The contents thereof must not be disclosed to a third party nor be used for any unauthorized purpose. Contravention will be prosecuted.

DFO40 END TRUCK TOP JOINT PLATE TYPE K



Product Code example

DFO40-2575-K50570C0000-N

- N=standard, E=Special
- primer paint, color code (not used)
- 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

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 32 m/min (100 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	JPL	B max	Weight/pc (lb)
K4	20.47"	16.14"	86
K5	24.80"	20.47"	104
K7	33.46"	29.13"	137
K9	43.31"	38.98"	174

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

*Approximate weight of end truck assumes

GESS drive wheel and K5 joint plate.

QM6 drive parts adds extra weight.

Weight, lb
QM6
QM6
73

Wheelbase code	SS	Max dyn whl load, (kip)		Perm dyn whl load, (kip)		Approx. Wt*, Trk, lb		H	H1
		SG	DG	SG	DG	SG	DG		
25	8'-2 7/16"	78.8	78.8	50.7	50.7	2242	2346	20 9/16"	1"
32	10'-4"	78.8	78.8	50.7	50.7	2308	2412	20 9/16"	1"
40	13'-1 1/2"	78.8	78.8	50.7	50.7	2485	2588	20 7/8"	7/8"
45	14'-9 1/8"	78.8	78.8	50.7	50.7	2749	2853	25 5/16"	1"
50	16'-4 7/8"	78.8	78.8	50.7	50.7	3146	3250	25 5/8"	7/8"
55	18'-1/2"	78.8	78.8	50.7	50.7	3521	3624	25 5/8"	7/8"

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

ETTPA	Design	App'd	Ref Drawing
2008-08-11	2008-08-11		
END TRUCK	OUTLINE DRAWING		
DFO40-K	DFO40-K		
DEMAG			
DFO40 END TRUCK TOP JOINT			
08/2025			