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DFO50B END TRUCK

TOP JOINT PLATE TYPE J

Minimum Inner Wheel Distance (S)=1400 mm for wheel change

M = S - 540 mm

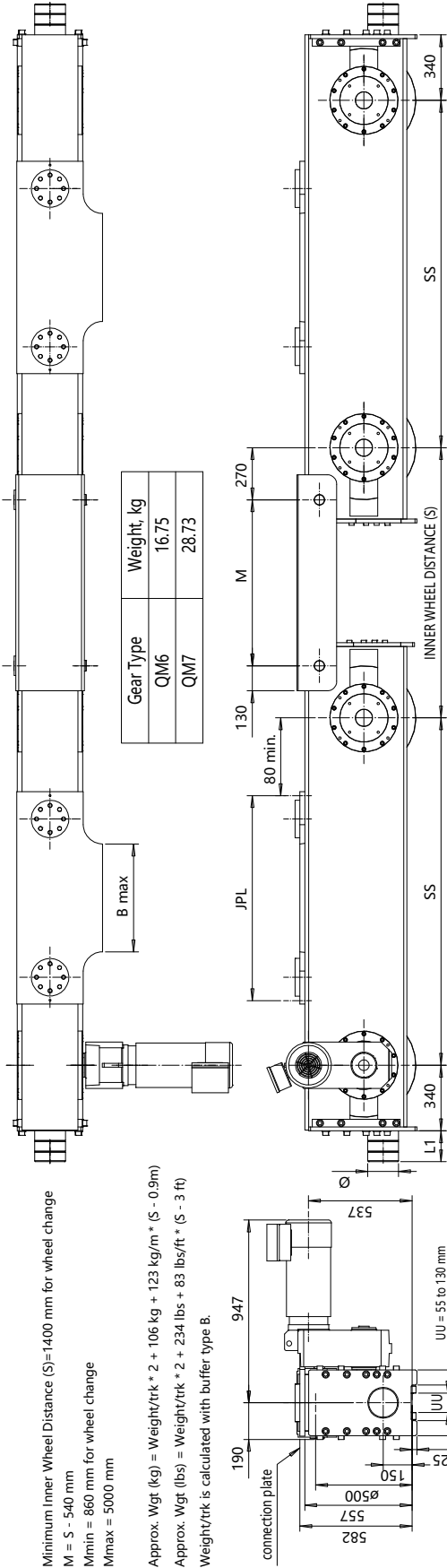
Mmin = 860 mm for wheel change

Mmax = 5000 mm

Approx. Wgt (kg) = Weight/trk * 2 + 106 kg + 123 kg/m * (S - 0.9m)

Approx. Wgt (lbs) = Weight/trk * 2 + 234 lbs + 83 lbs/ft * (S - 3 ft)

Weight/trk is calculated with buffer type B.



The wheel loads listed are only a guideline. The max. dyn. 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. The load placement is at the center of each truck. The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 32 m/min [100 fpm], end truck duty is ISO M5 (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.

Product Code example
DFO50B1899SJ72207H1400-N

N=standard, E=Special
- primer paint, color code
Inner wheel distance (S), 1400 mm min.
Buffer type
Joint plate distance (pin to pin, with double DG girder)
Joint plate code
S = 1WD, D = 2WD (Number of driving wheels)
Wheel groove = UU
Wheel base = SS
B = Bogie
End truck model

Buffer type	L1, (mm)	Ø, (mm)	Wgt/pc, kg
B	68	80	0.8
C	85	100	1.4
D	105	125	2.5
E	150	100	1.0
F	190	125	1.6
H	160	160	2.5
I	200	200	4.4
M	125	125	0.9
P	240	160	3.1
S	300	200	5.6
T	350	250	7.6
Y	475	250	10.3

Wheelbase code	SS (mm)	Max dyn whl load, (kN)	Perm dyn whl load, (kN)			Approx. Wt.*/Trk (kg)
16	1600	DG	ASCE 85	BETH 135	BETH 171	1086
18	1800	520	288.8	380.8	493	1136
20	2000	520	288.8	380.8	493	1186
22	2200	520	288.8	380.8	493	1236
25	2500	520	288.8	380.8	493	1311

ETTPA Design	ETTPA Chd	ETTPA Appl	ETTPA Ref Drawing
2008-08-11	2008-08-11	2008-08-11	2008-08-11
SLEDOCV	SLEDOCV	SLEDOCV	SLEDOCV
1:1	1:1	1:1	1:1
END TRUCK	END TRUCK	END TRUCK	END TRUCK
OUTLINE DRAWING	OUTLINE DRAWING	OUTLINE DRAWING	OUTLINE DRAWING
DFO50B-J	DFO50B-J	DFO50B-J	DFO50B-J
DFO50B END TRUCK TOP JOINT	DFO50B END TRUCK TOP JOINT	DFO50B END TRUCK TOP JOINT	DFO50B END TRUCK TOP JOINT

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08/2025