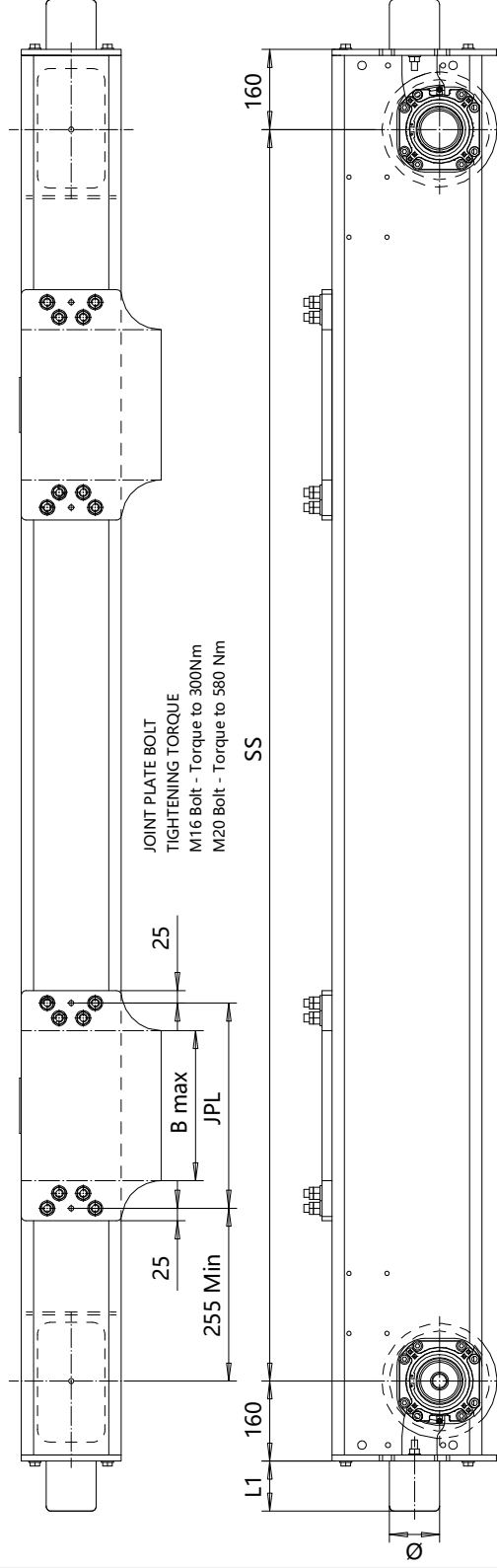


DFO20 END TRUCK TOP JOINT PLATE TYPE L



Buffer type	L1 (mm)	Ø (mm)
A	53	63
B	68	80
C	85	100
D	105	125
K	80	80
G	100	100
E	150	100
F	190	125
H	160	160
I	200	200
M	125	125
P	240	160
K, G, E, F, H, I, M, P polyurethane		

Product Code example

DFO20-2574-L30990C0000-N

- ↑ N=standard, E=Special
- ↑ -primer paint, color code (not in use with RTN20)
- ↑ 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

Wheel base code	SS (mm)	Max whl load, (kN)		Perm dyn whl load, (kN)		Approx Wgt / trk, kg	
		SG	DG	ASCE 60#	ASCE 85#	SG	DG
16	1600	132	132	88	98	234	259
20	2000	132	132	88	98	263	288
25	2500	132	132	88	98	299	324
32	3150	112	132	88	98	346	371
40	4000	75	85	88	98	408	433
45	4500	53	59	88	98	444	469

UU = 54 mm - 94 mm

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	Thickness (mm)	Min. Wheelbase (mm)	JPL (mm)	B MAX (mm)
L3	25	Trolley gage=1400 mm	410	300
L4	20	2500; DG	520	410
L5	20	2500; DG	630	520
L6	20	3150; DG	740	630

Pos	Description	Specification	Id	Drawing
ETTVPH	Design	ETTVPH	Appr	Ref Drawing
2008-05-23	Date	END TRUCK		
		OUTLINE DRAWING		
		DFO20-L		
		DEMAG		
		DFO20 END TRUCK TOP JOINT		
		08/2025		