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 by 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], and truck duty is Fem 2m, and the runway rail as listed.

The actual wheel load should not exceed this 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

Wheel base | SS | Max dyn whl load | Permissible dyn whl load, (kN) | Approx. Weight | Code | 12 | 14 | 16 | 18 | 20
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
| 12 | 1200 | 132 | 65.9 | 88 | 98 | 469 | K, G, E, F, H, I, M, P, S polyurethane
| 14 | 1400 | 132 | 65.9 | 88 | 98 | 498 | 132 | 88 | 98 | 527 | 150 | 100 | 200 | 160 | 125 | 150 | 240 | 300 | 200 | 200 | 315 | 325 | 160 | 65 | M min = 430 mm | (65)

The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 40 m/min [130 fpm], and truck duty is Fem 2m, and the runway rail as listed.

The actual wheel load should not exceed this 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.