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KIC Hub Load Ratings (Rev. D)

The table below provides the recommended maximum Gross Axle Weight (GAW) corresponding to specific offsets due to the use of single-wide base tires for SAE N-type and P-type axles.

The Timken method was used to determine the dynamic equivalent radial loads for the various offsets. A zero offset (0 inch) applies to dual wheel applications. Applications with offsets greater than or less than zero (0 inch, either inset or outset) will reduce the hub load capacity.

This document supersedes any and all other KIC hub load rating documents including KIC document dated October 31, 2007 with subject: "Derating Information for KIC Trailer Hubs".

KIC does not assume any liability and will not accept any field warranty claims for hub applications that do not adhere to the recommendations of the derating chart below.

Wheel Offset (Inset or Outset)	N-type Axle (Tapered Trailer)	P-type Axle (Parallel Trailer)
inches	GAW (lb)	GAW (lb)
0 to 1	25,000	25,000
1 to 2	19,700	20,500
2 to 3	15,400	18,100
3 to 4	12,600	16,200
4 to 5	10,700	14,700
5 to 6	9,300	13,400

Example: An N-type hub on a single-wheel application with a 2.38 in. inset would be derated to 15,400 lb. Likewise, a P-type hub on a single-wheel application with a 5.84 in. outset would be derated to 13,400 lb.

Please contact KIC engineering staff for any of the following:

- Offsets greater than 6 in.
- Unique duty-cycles
- Specific applications.

THIS INFORMATION IS INTENDED AS A REFERENCE SOURCE ONLY. KIC HOLDINGS INC. DOES NOT ASSUME ANY LIABILITY IN THE EVENT OF IMPROPER USE OR MIS-MATCH OF COMPONENTS. FOR ADDITIONAL INFORMATION SEE KIC HUB INSTALLATION AND SERVICE GUIDELINES.