

TECHNICAL REFERENCE · PRINT & KEEP

Plate Caster Bolt Patterns: Measure & Match

One-page quick reference · Full engineering guide + live tools at the QR codes below

Quick answer. Plate casters use seven standard bolt patterns, measured hole center to hole center in length × width order: 2-1/2 × 3-5/8, 2-3/8 × 3-5/8, 3-1/8 × 4-1/8, 3-3/4 × 4-1/2, 4 × 4-1/2, 4-1/2 × 6-1/4, and 5 × 7 inches. Match the pattern exactly; a plate off by 1/8 inch destroys mount holes on the first load cycle.

Quick-answer bolt pattern matrix

Bolt pattern (length × width)	Typical plate OD	Typical capacity range	Common on
2-1/2" × 3-5/8"	3-1/2" × 4-5/8"	250-500 lb	Light carts, AV carts, shop carts
2-3/8" × 3-5/8"	3-1/2" × 4-5/8"	250-500 lb	Service industry equipment
3-1/8" × 4-1/8"	4" × 4-1/2"	400-900 lb	Warehouse carts, commercial kitchen
3-3/4" × 4-1/2"	4-1/2" × 6-1/4"	600-1,200 lb	Medium-duty industrial
4" × 4-1/2"	4-1/2" × 6-1/4"	800-1,500 lb	Heavy-duty industrial carts
4-1/2" × 6-1/4"	5" × 7"	1,200-2,500 lb	Heavy industrial, steel mill
5" × 7"	5-1/2" × 7-1/2"	2,000-5,000 lb	Extra heavy duty, foundry

Hole diameter and mounting bolt size

Hole diameter	Bolt size	Typical pattern
9/32" (0.281")	1/4"	Light-duty, rare
11/32" (0.344")	5/16"	2-1/2 × 3-5/8
13/32" (0.406")	3/8"	3-1/8 × 4-1/8, 4 × 4-1/2
15/32" (0.469")	7/16"	Heavy-duty transition
17/32" (0.531")	1/2"	4-1/2 × 6-1/4, 5 × 7



SCAN · THIS GUIDE

Reopen the full guide and interactive tools on your phone. Always current.



SCAN · ALL 18 FREE TOOLS

Load & derating calculators, push and ramp force, bolt pattern identifier, wheel material selector, failure diagnosis tool, AGV sizing + more.

WHY ENGINEERS USE CASTERHQ

Free application engineering review
Same-day RFQ response & shipping
Albion · Hamilton · Colson · P&H in stock
Ships from Mansfield, TX

844-439-4335