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Top Plate Dimensions for Casters Spec Guide

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Quick answer. Caster top plate dimensions cover plate length, width, bolt-hole pattern, slot geometry, and thickness. Standard plates run from 2-1/2 x 3-5/8 inches for light duty up to 6-1/4 x 7-1/4 inches on 10,000 lb rated casters. Match the full bolt pattern and plate footprint to the existing chassis before ordering a retrofit.

Bolt Pattern and Slot Geometry

Slot Type	Tolerance Absorbed	Fastener Preload	Best For	Trade-off
Round holes only	± 0 in	Maximum	New designs, precision	No retrofit tolerance
Round + 2 slots	± 1/8 in	High	Most industrial carts	Minor preload loss in slots
All four slotted	± 1/4 in	Medium	Field retrofit, chassis drift	Uses more washer surface
Oversize round holes	± 1/16 in	High	Welded chassis tolerance	Requires fender washers
Custom drilled	Per drawing	Maximum	OEM production	Lead time, tooling cost

Retrofit When Patterns Don't Match

Retrofit Approach	Install Time	Stack Height Added	Fastener Strength	When to Use
Adapter plate, bolted	15 min	1/4" to 3/8"	Full	Same duty class, different pattern
Adapter plate, welded	45 min	1/4"	Full	Permanent fleet conversion
Drill new holes	20 min	None	Full	Chassis has material for new pattern
Custom-drilled plate	Lead time	None	Maximum	OEM run, >20 casters



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