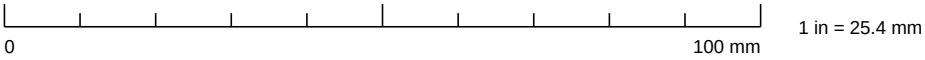
Printable Bolt Pattern Gauge

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



1 in = 25.4 mm

How to use

1. Print this file at 100% scale. Measure the 100 mm bar at the top: it must be exactly 100 mm.
2. Cut out the template for the pattern you think your car has (dashed circle = pitch circle).
3. Hold it against the hub or wheel. If every stud sits in an orange circle, that is your bolt pattern.
4. Confirm the center bore and offset before buying wheels. Look them up for your exact car at ankusiwheels.com (bolt pattern, center bore and factory offset for 10,000+ vehicles).

How to measure without a template

- 4, 6 or 8 lugs: measure center to center across two opposite studs.
- 5 lugs: multiply the distance between the centres of two adjacent studs by 1.701.

Patterns in this file

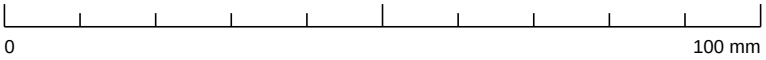
4x100, 4x108, 4x114.3, 5x100, 5x108, 5x112, 5x114.3, 5x120, 5x127, 5x130, 6x139.7

Together these cover about 80% of the vehicles in the ANKUSI Wheel Fitment Dataset.

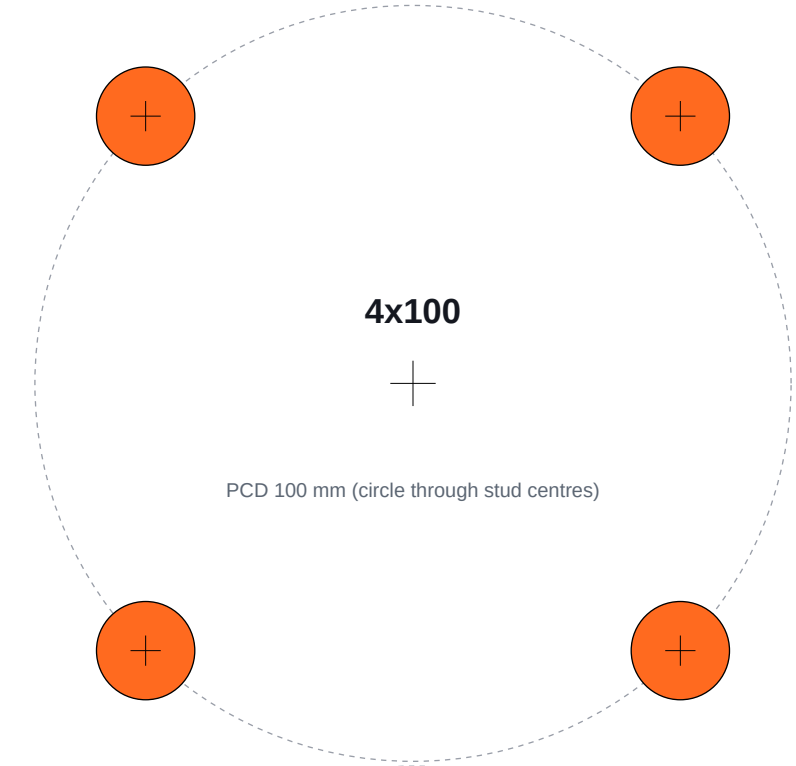
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.

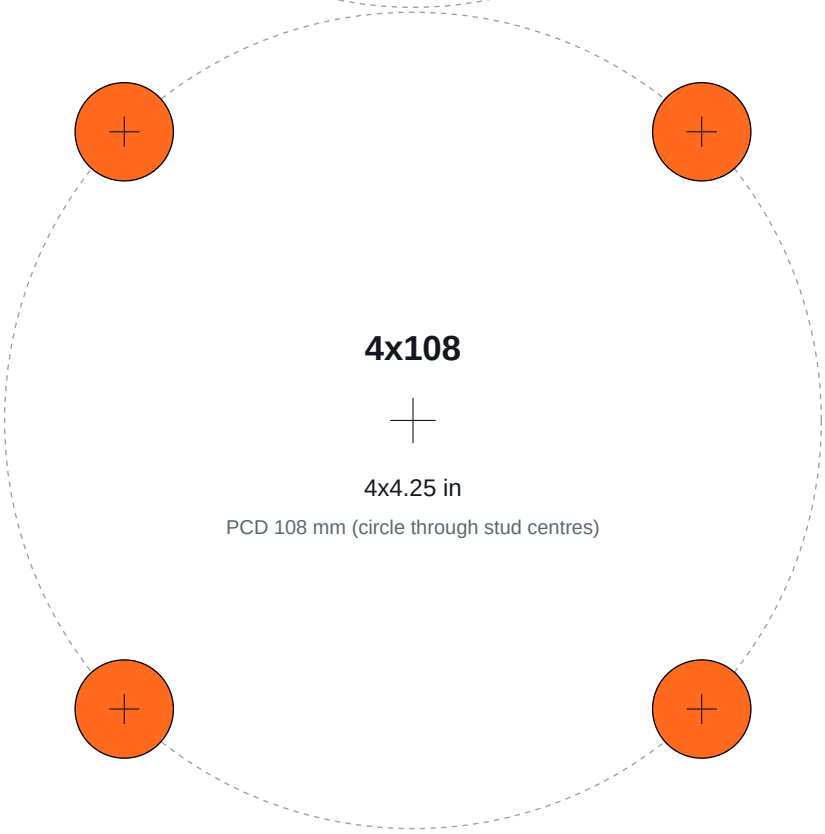


1 in = 25.4 mm



4x100

PCD 100 mm (circle through stud centres)



4x108

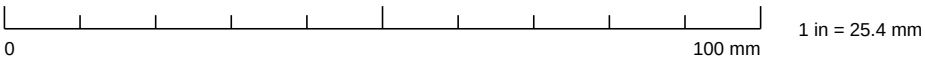
4x4.25 in

PCD 108 mm (circle through stud centres)

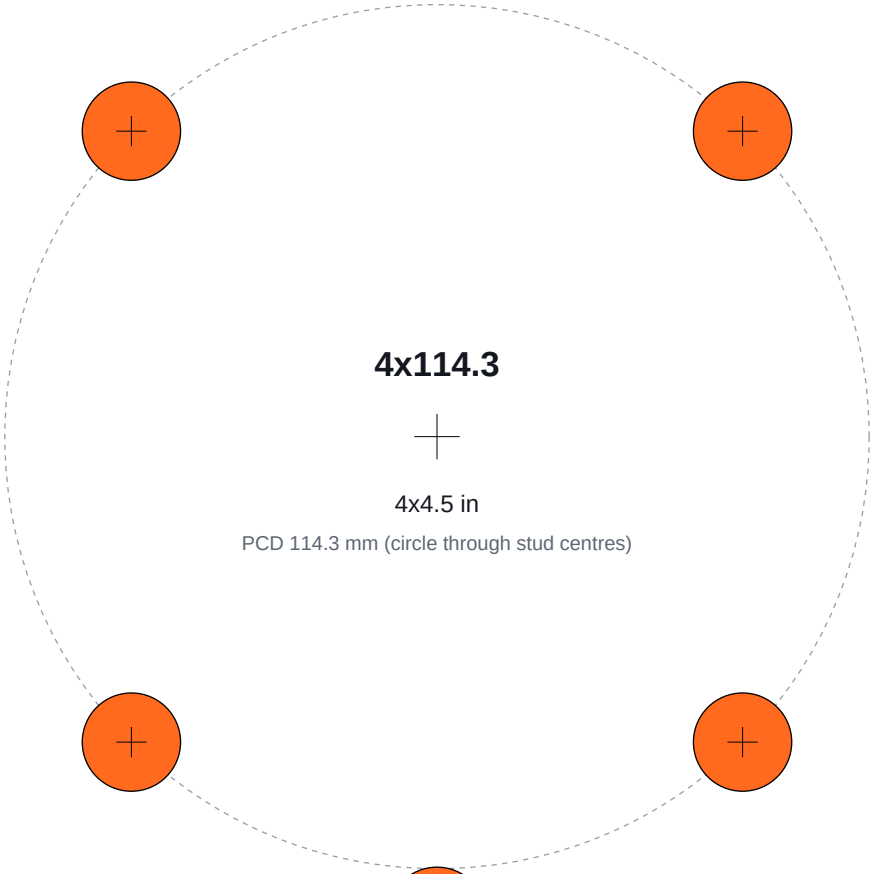
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



1 in = 25.4 mm



4x114.3

4x4.5 in

PCD 114.3 mm (circle through stud centres)



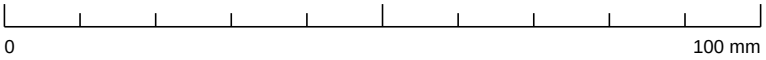
5x100

PCD 100 mm (circle through stud centres)

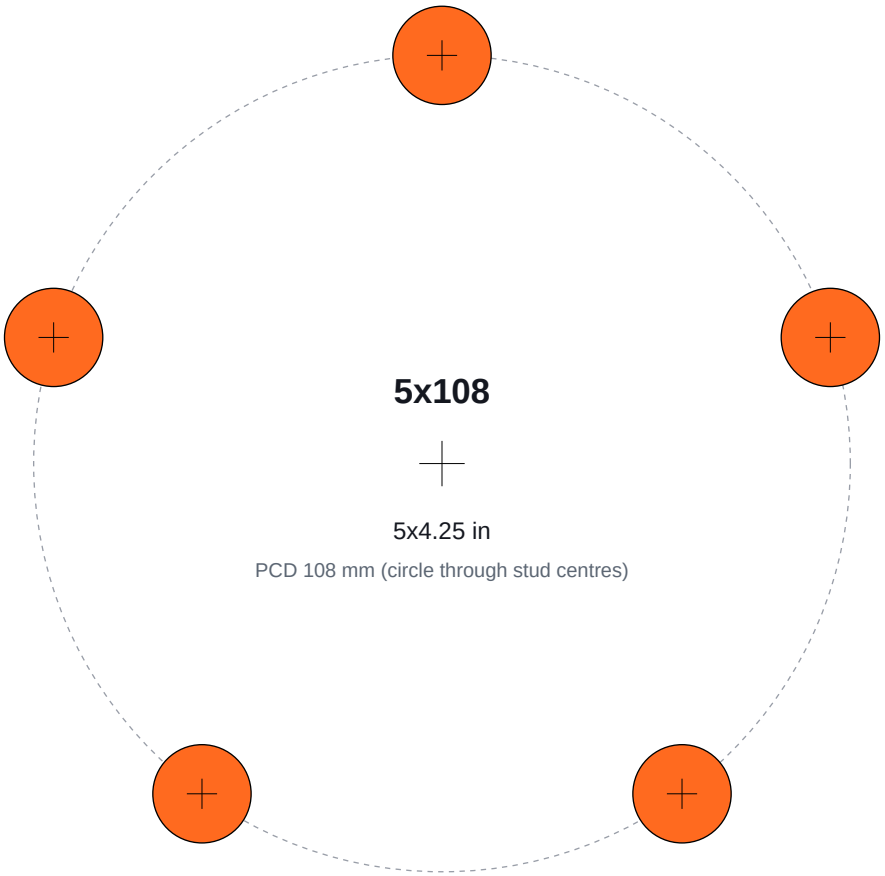
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



1 in = 25.4 mm



5x108

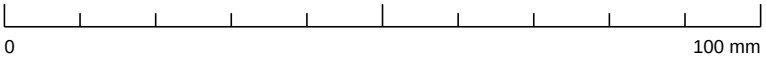
5x4.25 in

PCD 108 mm (circle through stud centres)

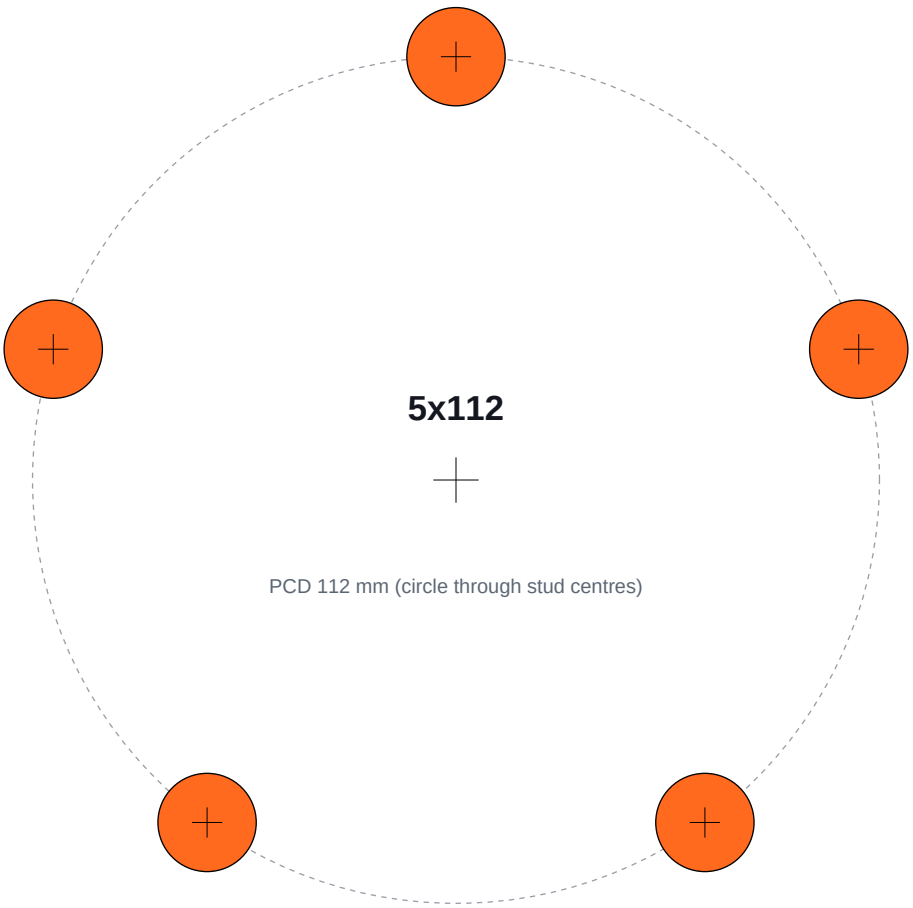
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



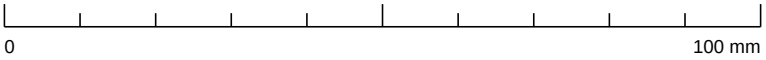
1 in = 25.4 mm



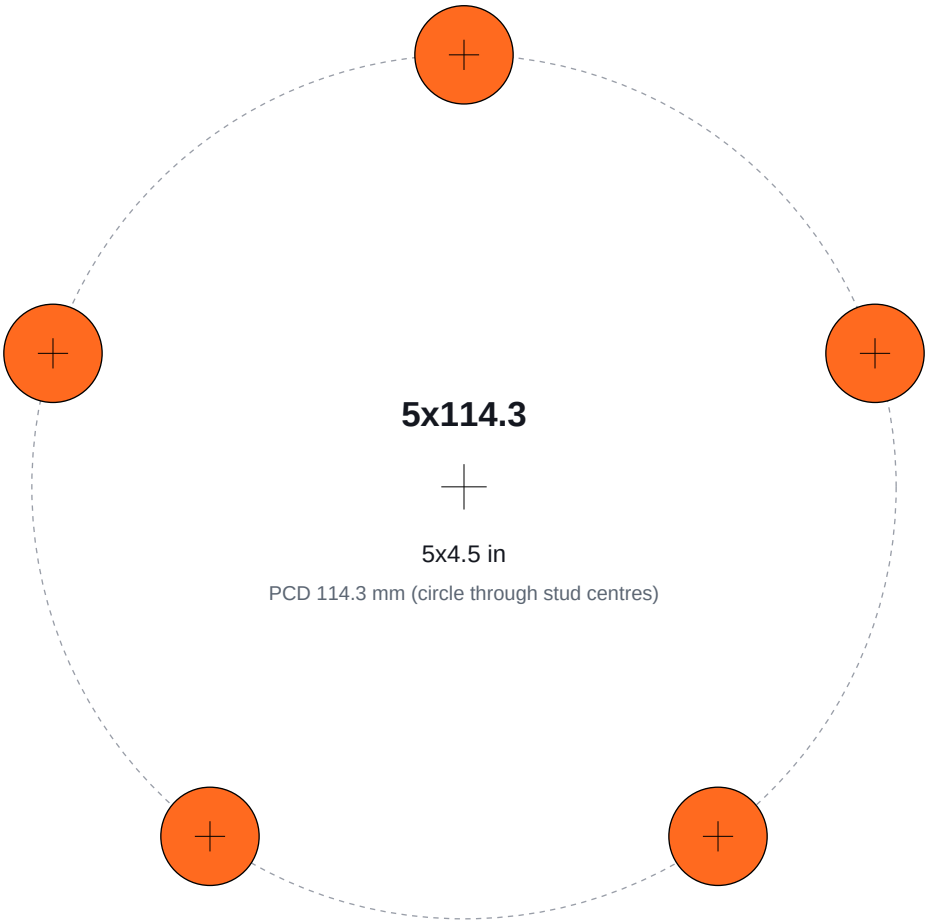
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



1 in = 25.4 mm



5x114.3

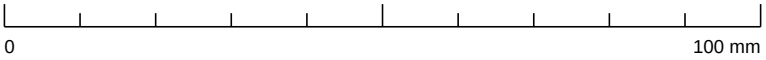
5x4.5 in

PCD 114.3 mm (circle through stud centres)

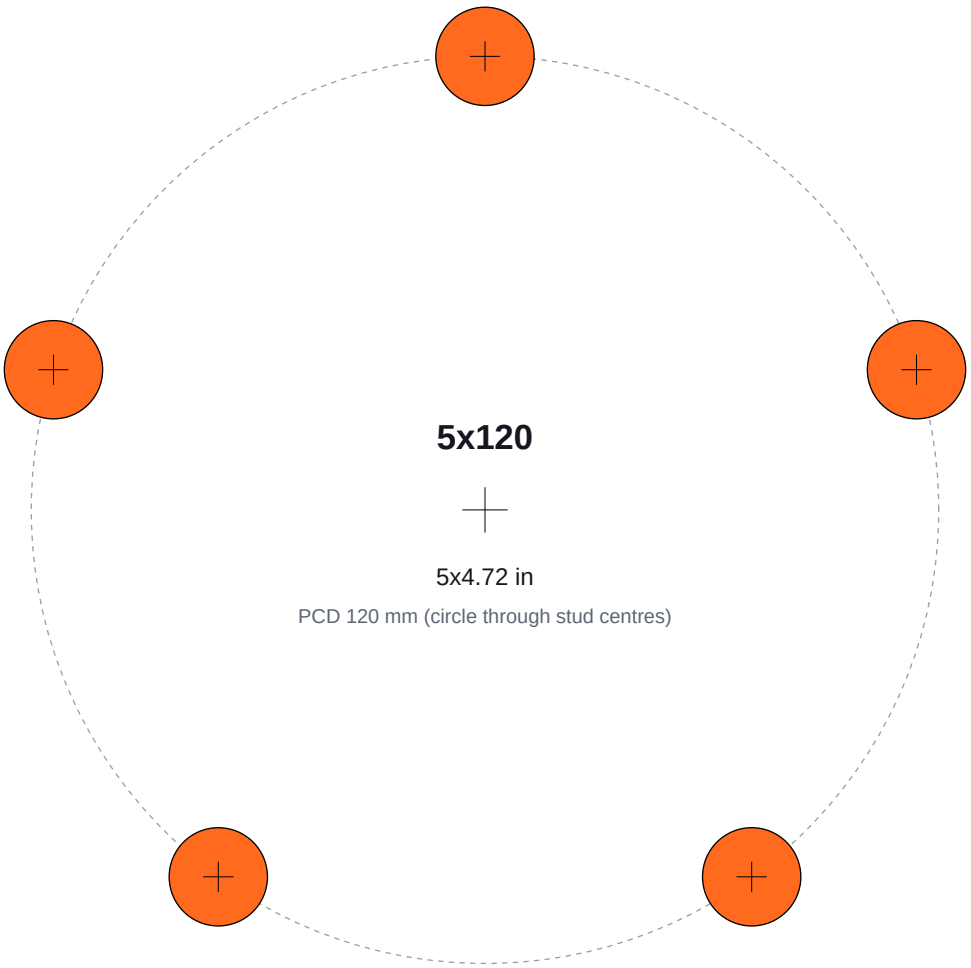
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



1 in = 25.4 mm



5x120

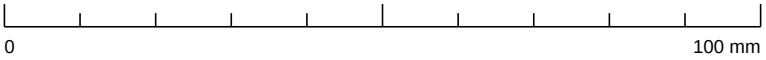
5x4.72 in

PCD 120 mm (circle through stud centres)

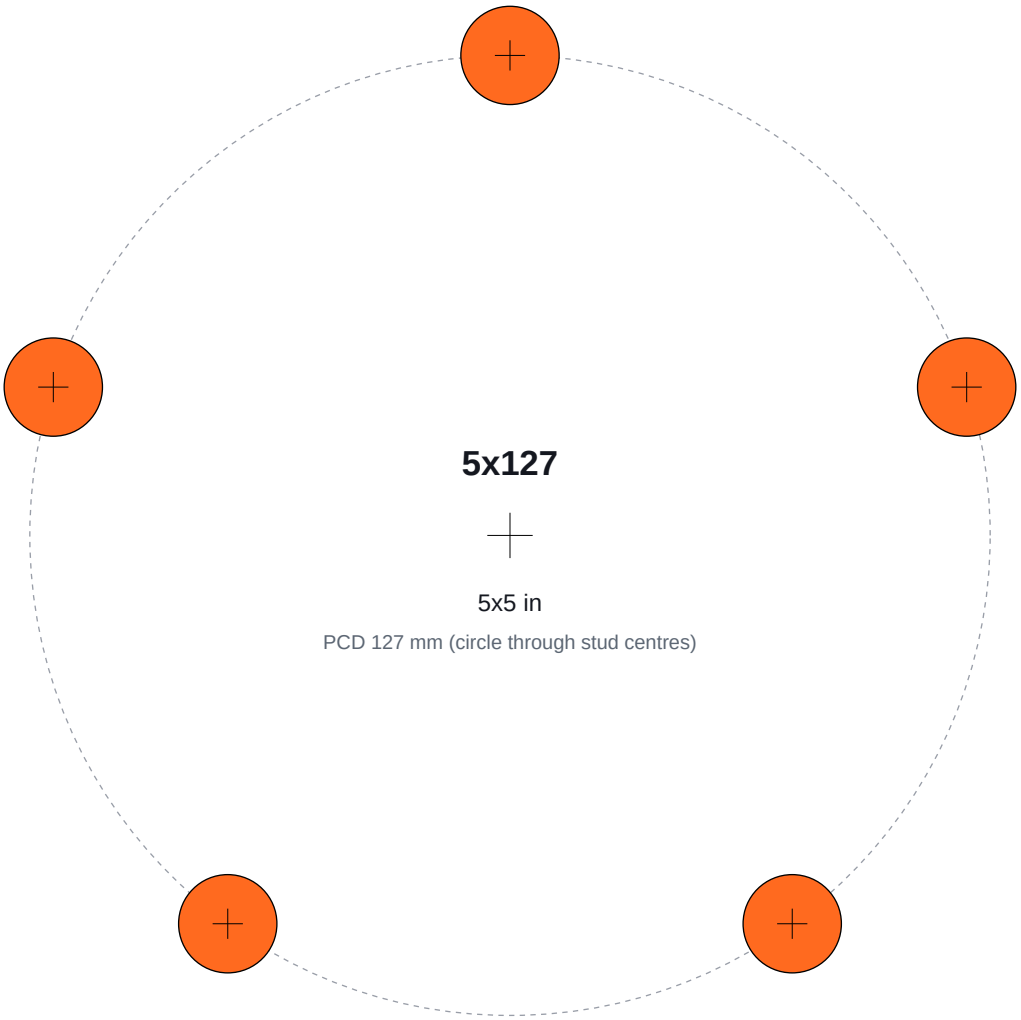
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



1 in = 25.4 mm



5x127

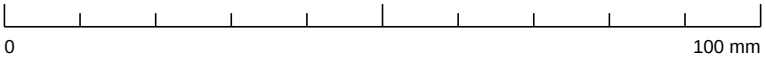
5x5 in

PCD 127 mm (circle through stud centres)

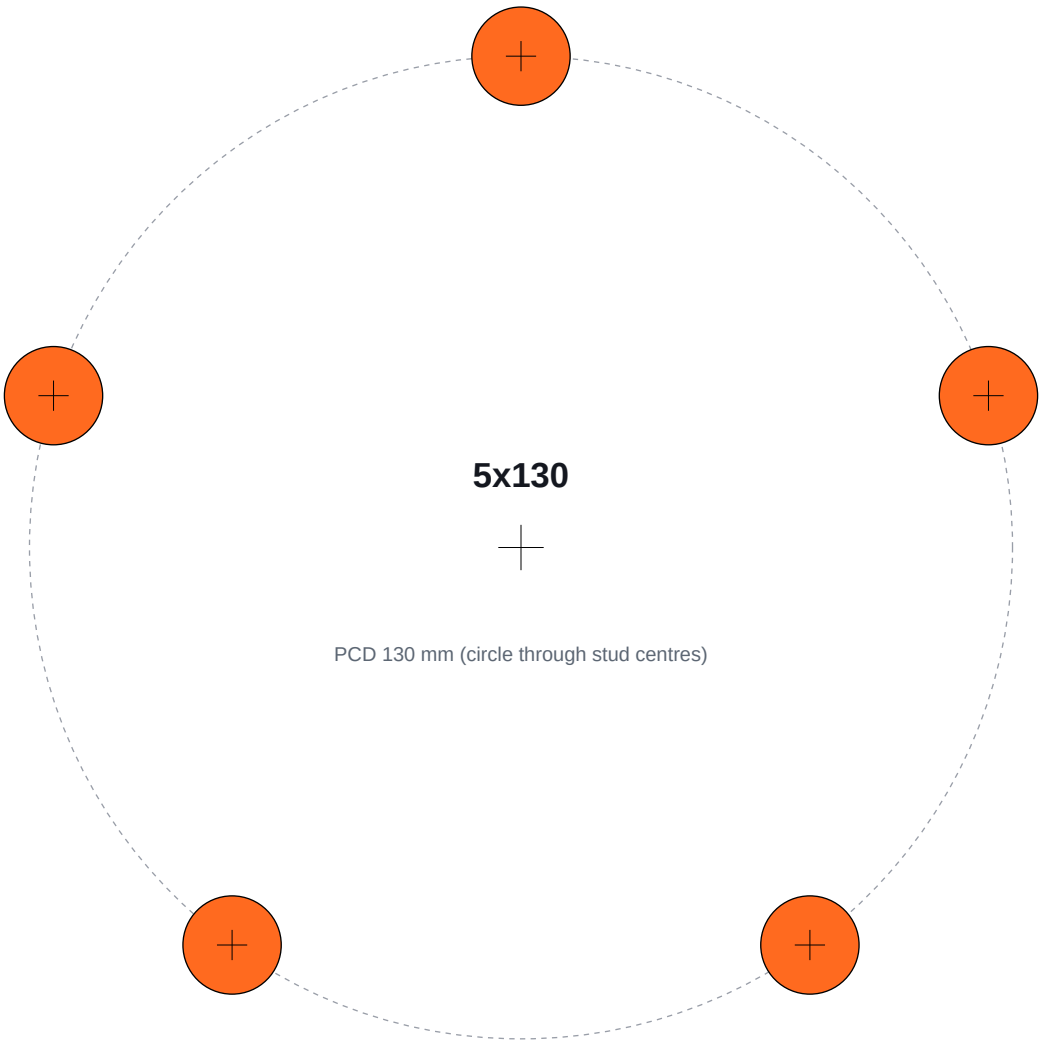
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



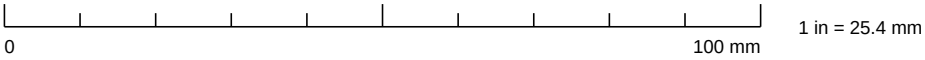
1 in = 25.4 mm



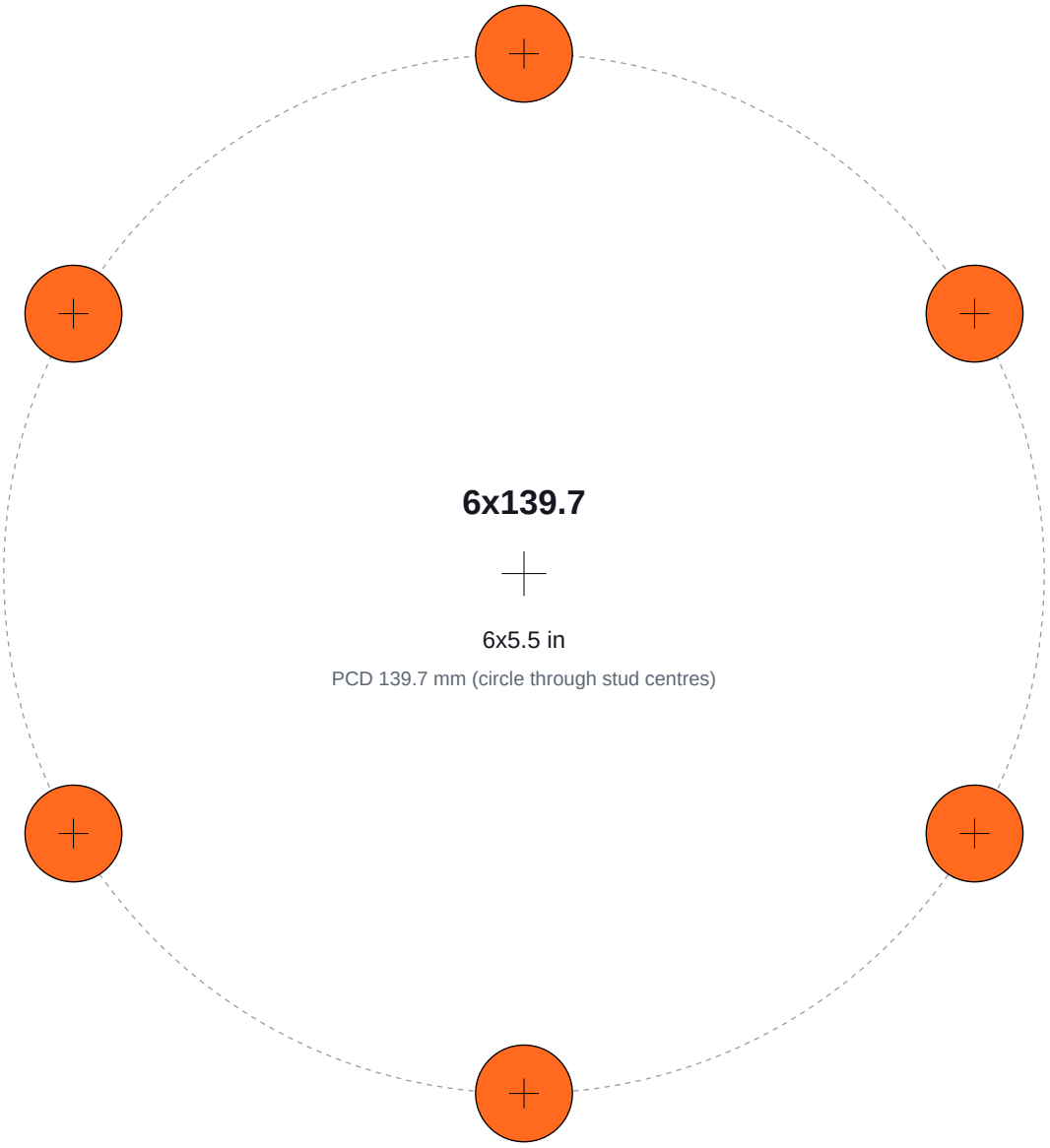
ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com

Bolt pattern templates (1:1)

Print at 100% / "Actual size" (no "fit to page"). Check the 100 mm bar below before use.



1 in = 25.4 mm



6x139.7

6x5.5 in

PCD 139.7 mm (circle through stud centres)

ANKUSI Wheels - free printable gauge (CC BY 4.0). Bolt pattern, center bore and offset for 10,000+ vehicles: ankusiwheels.com