

## How to calculate the PCD (Pitch Circle Diameter)

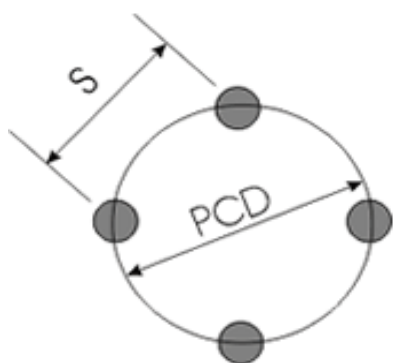
The Pitch Circle Diameter (PCD) is the diameter of the circle which passes through the centre of all the studs, wheel bolts or wheel rim holes.

The easiest way calculate the PCD is as follows:

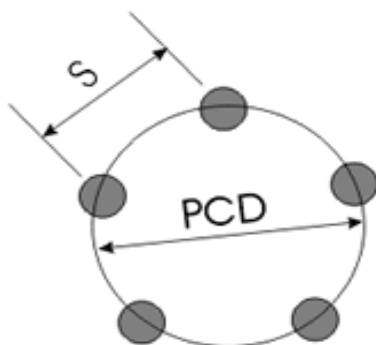
1. Identify the size of rim or tyre size. (This helps to narrow down the likely PCD sizes)
2. Measure the distance 'S' between two adjacent studs from the centre of each hole.
3. Using the formula below enter the measurements against the number of studs/holes & 'S'
4. Using the relevant diagram depending on the number of studs you have you should be able to identify the correct PCD.

**Note:** Imperial sizes are commonly used on UK trailers whereas European trailers use metric.

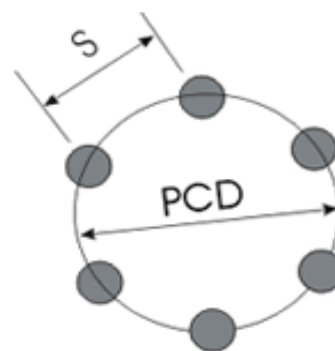
**4 Stud**



**5 Stud**



**6 Stud**



Rim Size	Studs	S	PCD
8" Rim	3	76.90mm	88.8mm
	3	95.26mm	110mm
	4	70.71mm	100mm
	4	71.84mm	101.6mm (4")
	4	81.32mm	115mm
	4	91.92mm	130mm
10" Rim	4	70.71mm	100mm
	4	71.84mm	101.6mm (4")
	4	79.20mm	112mm
	5	65.83mm	112mm
	4	81.32mm	115mm
	4	91.92mm	130mm
	4	98.78mm	139.7mm (5½")
12" Rim	4	70.71mm	100mm

	4	71.84mm	101.6mm (4")
	5	65.83mm	112mm
	4	91.92mm	130mm
	4	98.78mm	139.7mm (5½")
	5	82.29mm	140mm
	5	97.04mm	165.1mm (6½")
13" Rim	4	70.71mm	100mm
	4	79.20mm	112mm
	5	65.83mm	112mm
	4	91.92mm	130mm
	4	98.78mm	139.7mm (5½")
	5	82.29mm	140mm
	5	97.04mm	165.1mm (6½")
14" Rim	4	70.71mm	100mm
	5	65.83mm	112mm
	5	82.29mm	140mm
	5	89.58mm	152.4mm (6")
	6	102.5mm	205mm
16" Rim	5	97.04mm	165.1mm (6½")

## PCD Calculation Formula

$$4 \text{ Stud PCD} = \frac{S}{0.7071}$$

$$5 \text{ Stud PCD} = \frac{S}{0.5878}$$

$$6 \text{ Stud PCD} = \frac{S}{0.5}$$