

ENO CHAIN RING-CHAIN STAY CLEARANCES

1. These calculations are based on using a **113mm, symmetrical, JIS, square taper, White Industries bottom bracket** which yields a 47.5mm chain line. This is measured from the center-line of the seat tube to the center-line of the chain ring. To determine whether there will be suitable clearance between the chain ring and the chain stay, you must determine which chain ring you intend to use. For example, choose a 44t chain ring and note that the radius of a 44t chain ring is 92mm. Measure from the center of the bottom bracket back along the length of the drive side chain stay 92mm and mark that point on the outside of the chain stay (you can use a piece of masking tape). Next, measure across to the same point on the non-drive side chain stay and record the width of the chain stays, outside to outside. If your measurement is 85mm* or less, you can safely run a 44t chain ring on your frame, using our ENO crank set and a 113mm bottom bracket. If your measurement is over 85mm, say 90mm for example, double the 5mm difference, add it to 113 and you need a 123mm long bottom bracket to provide adequate clearance between the chain ring and chain stay.

*Maximum chain stay width (outside to outside) at a given radius = 85mm

44t = 92mm radius

42t = 88mm radius

38t = 80mm radius

36t = 76mm radius

34t = 72mm radius

32t = 67mm radius

2. These calculations are based on using a **121mm, symmetrical, JIS, square taper, White Industries bottom bracket** which yields a 51.5mm chain line. This is measured from the center-line of the seat tube to the center-line of the chain ring. To determine whether there will be suitable clearance between the chain ring and the chain stay, you must determine which chain ring you intend to use. For example, choose a 44t chain ring and note that the radius of a 44t chain ring is 92mm. Measure from the center of the bottom bracket back along the length of the drive side chain stay 92mm and mark that point on the outside of the chain stay (you can use a piece of masking tape). Next, measure across to the same point on the non-drive side chain stay and record the width of the chain stays, outside to outside. If your measurement is 93mm* or less, you can safely run a 44t chain ring on your frame, using our ENO crank set and a 121mm bottom bracket. If your measurement is over 93mm, say 97mm for example, double the 4mm difference, add it to 121 and you need a 129mm long bottom bracket to provide adequate clearance between the chain ring and chain stay.

*Maximum chain stay width (outside to outside) at a given radius = 93mm

44t = 92mm radius

42t = 88mm radius

38t = 80mm radius

36t = 76mm radius

34t = 72mm radius

32t = 67mm radius