

Offset Information

Before building a custom bike or carrying out a wide tyre conversion - Select your tyres and plan any offset in relation

to use of a belt or chain final drive!

Don't forget that the further you increase the tyre width the number of suitable fenders reduces considerably!

When choosing fenders allow for the clearance you need when tyre is in use as it will expand. The important width dimension of any fender is the inside measurement.

Stock Belt Width 1.5 inches

The information below assumes stock belt/chains are used

Stock Chain Width 1.0 inches

Use of a 1 or 1-1/8 inch belt is not recommended and should be avoided where possible unless they are genuine HD belts

**Ask
For
Advice
if
you
need
it!**

*** This is the overall tyre width - not the nominal tyre size - see examples in accompanying chart**

**Stock Size Frame
& Belt Drive**

Tyre Width *

Primary Spacer

Shaft Extension

**Offset Trans
Plate**

Offset Trans Sprocket

Wider Swingarm

Pulley Spacer

Stock Size Frame
& Chain Drive

Wide Frame
& Belt Drive

Wide Frame
& Chain Drive

Tyre Width *

Primary Spacer

Shaft Extension

**Offset Trans
Plate**

Offset Trans Sprocket

Wider Swingarm

Pulley Spacer

It is difficult to be specific about offset in relation to every frame. Custom frames and swingarms from different manufacturers employ different methods to allow the use of wider tyres. Some move the engine/tranny over out of centre with the wheels which means no primary/transmission spacers are needed. Some move the engine/tranny over by 10mm and require specific offsets in relation to that. Others keep the engine central and offset the primary/tranny. You can also achieve significant offset purely by using a transmission sprocket with a large offset for use with chain final drive. These may be expensive but they save money compared to all the other offsetting components you may otherwise have to purchase

The above information relates to Left side drive only. Right side drive usually allows the wheels to run central and sometimes the use of an offset transmission sprocket is needed