

Axle Order Form

BEARS
Performance Products

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BILLING ADDRESS		
Name:		
Phone:		
Address		
City	State	Zip

SHIPPING ADDRESS <input type="checkbox"/> (same as billing)		
Name:		
Phone:		
Address		
City	State	Zip

ORDER DETAILS
Package #
Type of Rear & Additional Notes:

AXLES The information below is required for all orders

Application (check all that apply) ☐ street ☐ strip ☐ circle ☐ other _____

Axle Type ☐ alloy ☐ alloy (c-clip style) ☐ hy-tuf

Carrier Brand & Type (posi, spool...) _____

Brake Description (drum, disc, manufacturer...) _____

Spline Count _____ Bolt Circle 1 _____ Bolt Circle 2 _____ A (register) _____ D (flange) _____

Special Instructions _____

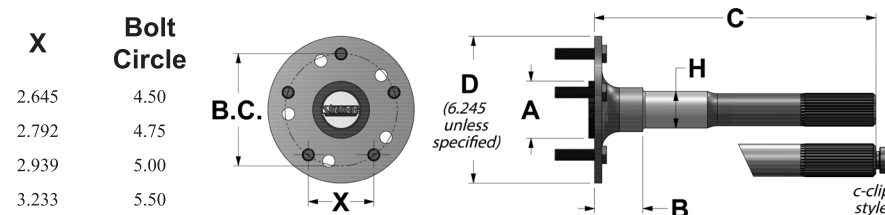
WHEEL STUD INFORMATION

Screw-in Wheel studs ☐ 1/2"-20 x 2" ☐ 1/2"-20 x 3"

☐ 5/8"-18 (stud kit part #) _____

Press-in Wheel Studs _____

MEASURING PRE-EXISTING AXLES FOR UPGRADE



Note: LHD configuration is assumed throughout this form

DIMENSIONS

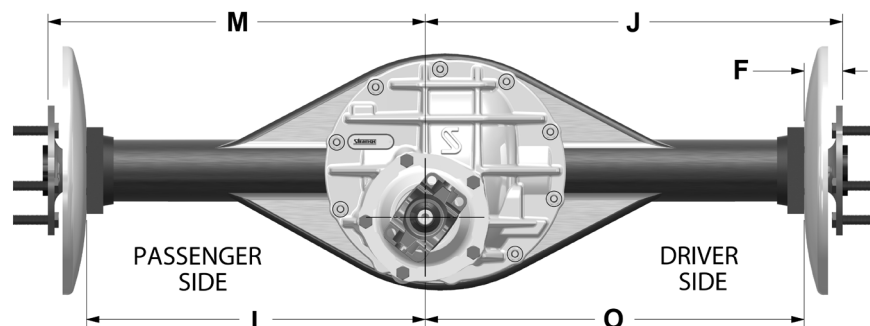
B _____

H _____

Driver Side C _____

Passenger Side C _____

MEASURING REAR END FOR UPGRADING AXLES



DIMENSIONS

F _____

J _____

M _____

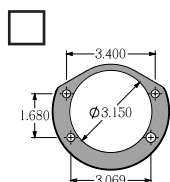
Axle Flange to Axle Flange (J+M) _____

O _____

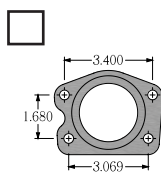
L _____

Housing End to Housing End (O+L) _____

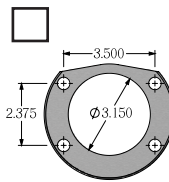
INDICATE TYPE OF HOUSING END Check the corresponding box next to the housing end type



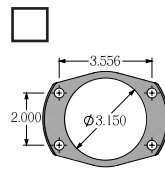
Strange Ford 8.8"
H1138



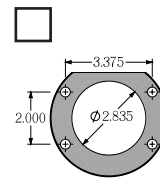
Factory Ford 8.8"



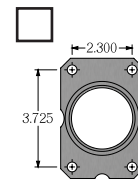
Big Ford
H1135



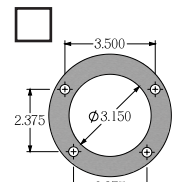
Late Big Ford
H1137 H1148



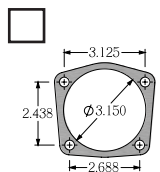
Mustang
H1134



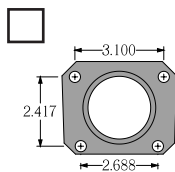
Factory 05-up Mustang



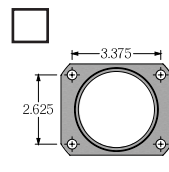
Olds
H1132 H1142



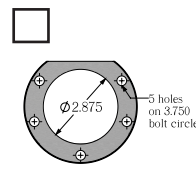
Strange Small GM
H1143



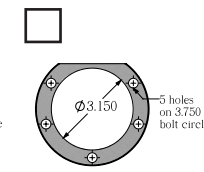
Factory Small GM



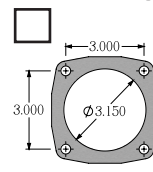
Factory Large GM



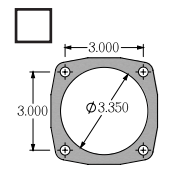
Mopar
H1133



Mopar
H1147



Symmetrical
H1131



Symmetrical
H1136

Axle Order Form

Dimension Definitions & Common Sizes

A Brake Register

Centers the factory OEM brake drum or rotor and where applicable the wheels. Rotors applied in drag racing are typically centered by the wheel studs and have an oversized center allowing compatibility with various brake register sizes.

Chrysler/Dana/Mopar common A dimensions:	2.300 or 2.820
Ford common A dimensions:	2.430, 2.525, 2.750, 2.780, 2.796, 2.875 or 3.060
General Motors common A dimensions:	2.780, 2.812 or 3.060

B Bearing Shoulder

This is the bearing stop machined on the axle. This feature is not applicable to c-clip style axles. This is not identical to the F axle offset dimension since most axle bearings protrude from the housing end. The type of bearing, sealed ball or tapered, will result in a different axle offset using the same B dimension. If an original type of bearing is not used then the B dimension will need to be changed in order to maintain the original wheel offset.

Chrysler/Dana/Mopar common B dimensions:	2.200, 2.3125 or 2.5625
Ford common B dimensions:	1.875, 2.0625, 2.125, 2.250, 2.375, 2.4375

C Axle Overall Length

This dimension is taken from the outside face of the axle flange to the end of the splines. Driver side and passenger side typically have different C dimensions. Measurement must be precise, best accomplished by using a straight edge and tape measure. Please let us know if you have given a C dimension with an existing carrier and intend to change the carrier. The change may alter the C dimension.

D Axle Flange Diameter

Ø 6.245 is the Strange Engineering standard axle flange diameter unless otherwise specified. Customer must request a different size if clearance with the rotor or drum is an issue.

F Axle Offset (Brake Gap)

Measured from outside face of axle flange to the outside face of the housing end.

Ford common F dimensions:	2.145, 2.3326, 2.500, 2.625
General Motors common F dimension:	2.8325

F Axle Offset (Brake Gap) with Chrysler or Mopar Rearends

Measured from outside face of axle flange to the outside face of the housing end. On Chrysler/Dana/Mopar type housing ends, F is obtained with the backing plate and gasket installed or combined thickness accounted for. If aftermarket disc brakes are being used then it's best to remove the axle bearing and supply the B dimension to ensure proper fitment of axles.

Chrysler/Dana/Mopar common F dimensions: 2.3125, 2.423 or 2.673

H Bearing Journal Diameter

Diameter on which the axle bearing is pressed onto. Dimension is not required if purchasing bearings with axle order.

Chrysler/Dana/Mopar common H dimension:	1.5635
Ford common H dimensions:	1.379, 1.400, 1.532, 1.563, 1.626 or 1.773
General Motors common H dimensions:	1.379, 1.400, 1.532, 1.563, 1.626 or 1.773

J Distance from outside face of driver side axle flange to center of pinion

L Distance from outside face of passenger side housing end to center of pinion

M Distance from outside face of passenger side axle flange to center of pinion

O Distance from outside face of driver side housing end to center of pinion

X Distance Between Centers of Wheel Studs for Calculating Bolt Circle

Measurement is taken from the center of one wheel stud to the center of the wheel stud closest to it.

This dimension is used as a reference to calculate the bolt circle (B.C.)

Only applies to 5 wheel stud pattern.

This does NOT apply to a 4,6 or 8 wheel stud pattern.