



"Flanged Floater" Axle Shaft Ordering Defined

1250 E. Piper Ct. Meridian, Idaho 83642

Phone: 503.257.6604 Fax 503.253.6564

Rear end Type

This is simply the make and model of the rear end you are working on. Examples of this are Dana 44, Dana 60, 14 bolt GM, etc...

Hybrid custom floater

This section is only filled out if you are building a custom floater rear end using the center from one housing and the spindles from another.

Examples of this are: A Ford 9" or Dana 60 center & GM 14 bolt spindles, GM 14 bolt center with aftermarket spindles, or an aftermarket housing center and spindle kit, etc...

AL - Right or Left: (INSIDE Axle Flange to End of Spline)

Unlike semi float axle shafts, flanged floater axles should be measured with a tape measure butted against the inside of the axle flange (drive hub face) and pulling back to the end of the splines.

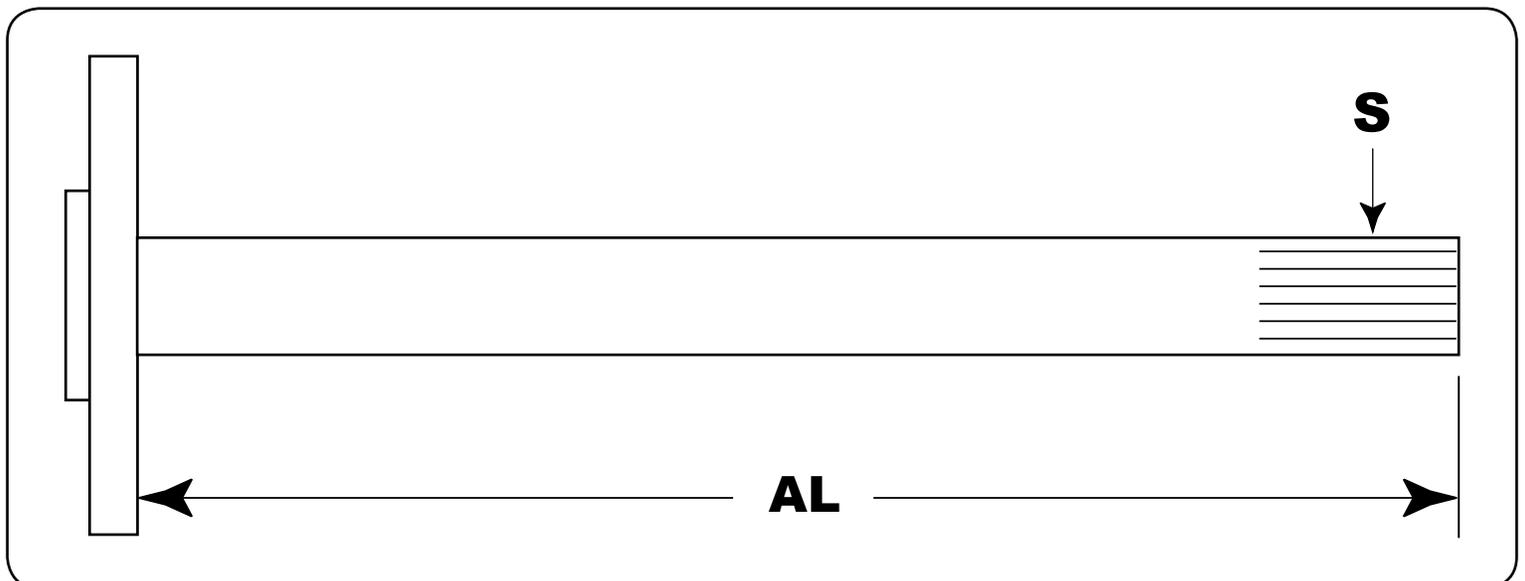
Note: IF you don't know your lengths, simply hook the inside of the spider gear in the differential and measure to the face of the drive hub [Where your shaft mounts].

S: (Spline count)

This is the number of splines the axle has. Either count them or measure the diameter of the splines with a dial caliper or micrometer. Use the reference chart of some common splines to identify your spline count. Also list the type of differential or spool you will be using. If using an aftermarket carrier or full spool, list the manufacturer (as some use different pressure angles for their splines as well as slightly different end of spline dimensions).

Spline	Diameter
16	1.375
17	1.167
19	1.245
23	1.500
26	1.125
27	1.167
28	1.205

Spline	Diameter
29	1.250
30	1.290
31	1.325
32	1.375
33	1.410
34	1.370
35	1.500





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Bolt Pattern: (Hub pattern)

This should be measured with a tape measure or dial caliper;

6, 8, 10, and 12 hole bolt patterns can be measured center to center, but 5 hole bolt patterns need to be OUTSIDE of one to center of the 2nd one across (see illustrations).

Contrary to what you may have been told this is an industry standard method of measuring.

Hole or Stud Size:

This is the hole size you want drilled. We usually default to one drill size over the stud or bolt size.

An example of this would be:

3/8" stud/bolt = 25/64" drilled hole.

7/16" stud/bolt = 29/64" drilled hole.

1/2" stud/bolt = 33/64" drilled hole

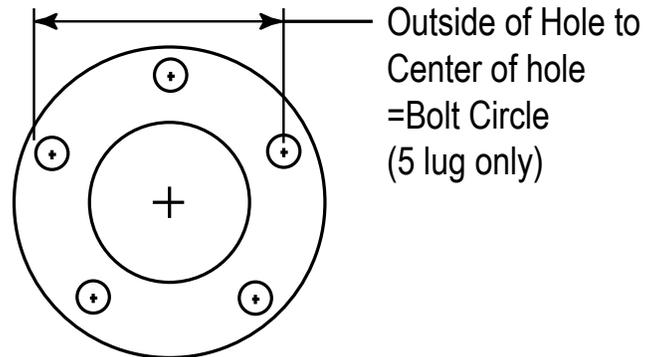
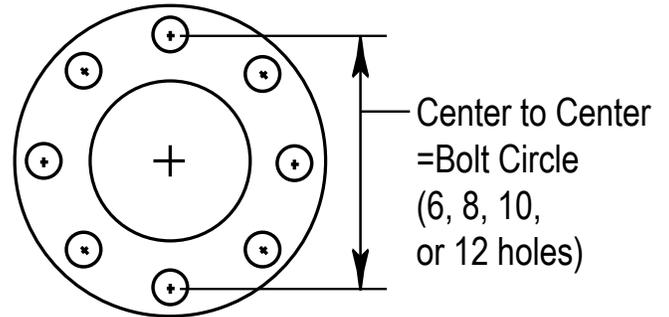
Note: Our holes are straight drilled, NOT tapered like some factory axles.

Refer to the chart below for some common bolt patterns and associated hole sizes. If you don't see your desired bolt pattern and associated hole size, call us for options as we can usually accommodate other choices.

Common Flanged Floater bolt patterns

Bolt Pattern	Hole Size	Description
5 on 3.740	13/32	Toyota
6 on 3.437	25/64	Jeep
6 on 3.970	29/64	Dana Spicer
8 on 3.562	33/64	GM 14 Bolt
8 on 3.720	29/64	Dana Spicer
8 on 3.970	29/64	Dana Spicer
8 on 4.250	29/64	Dana Spicer [2 piece only]
10 on 3.562	29/64	Special / Dynatrac
12 on 4.062	29/64	Special / Dynatrac

Bolt Pattern Measuring



Flange & Shaft Design:

This is whether the axle is a 1 piece or 2 piece design. Our new 2 piece design utilizes a Chromoly 35 spline drive flange and a double splined 4130 or Hy Tuf axle shaft.

The 1 piece axles can be drilled up to a 3.970 diameter bolt circle.

The 2 piece axles can be drilled up to a 4.250 diameter bolt circle.

Material:

We now have three choices of materials. 1541, 4130 Chromoly, & Hy Tuf.

Strength difference:

1541 = 20-25% stronger than the OE 1039 material

4130 = 10-15% stronger than 1541 material

Hy Tuf = Is between 4130 & 300m material