



220 Fortson Street
Shreveport, Louisiana 71107
318.425.7475 (Phone)
www.clutchanddriveshaft.com

MEASUREMENT DIAGRAMS

Tips for Measuring:

Use stable blocking, safety jacks and vehicle lifts for safety.

Remember- Mistakes can be costly!

Measurements are just as important (*if not more important*) as the year, make and model of the vehicle.

Clutch & Drive Shaft, Inc. will provide products to client measurements- proper measurement is the responsibility of the client or end user.

Proper measurement should always be completed with wheels and axles under typical vehicle load and sitting as it would on a roadway. Ensure the vehicle is at a level that is high enough to allow proper access for measurement the proper angle of the pinion yoke.

Measuring long lengths should always be pulled an inch at the beginning of the tape measure as the tip may provide inaccurate readings. We also recommend that long lengths be completed by two persons and that tape is pulled tight during the process to ensure proper measuring.

Measuring smaller parts with a metal ruler and/or a digital caliper is recommended to ensure accuracy.

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NEW DRIVESHAFT MEASUREMENT Measure Diagram CDS-1

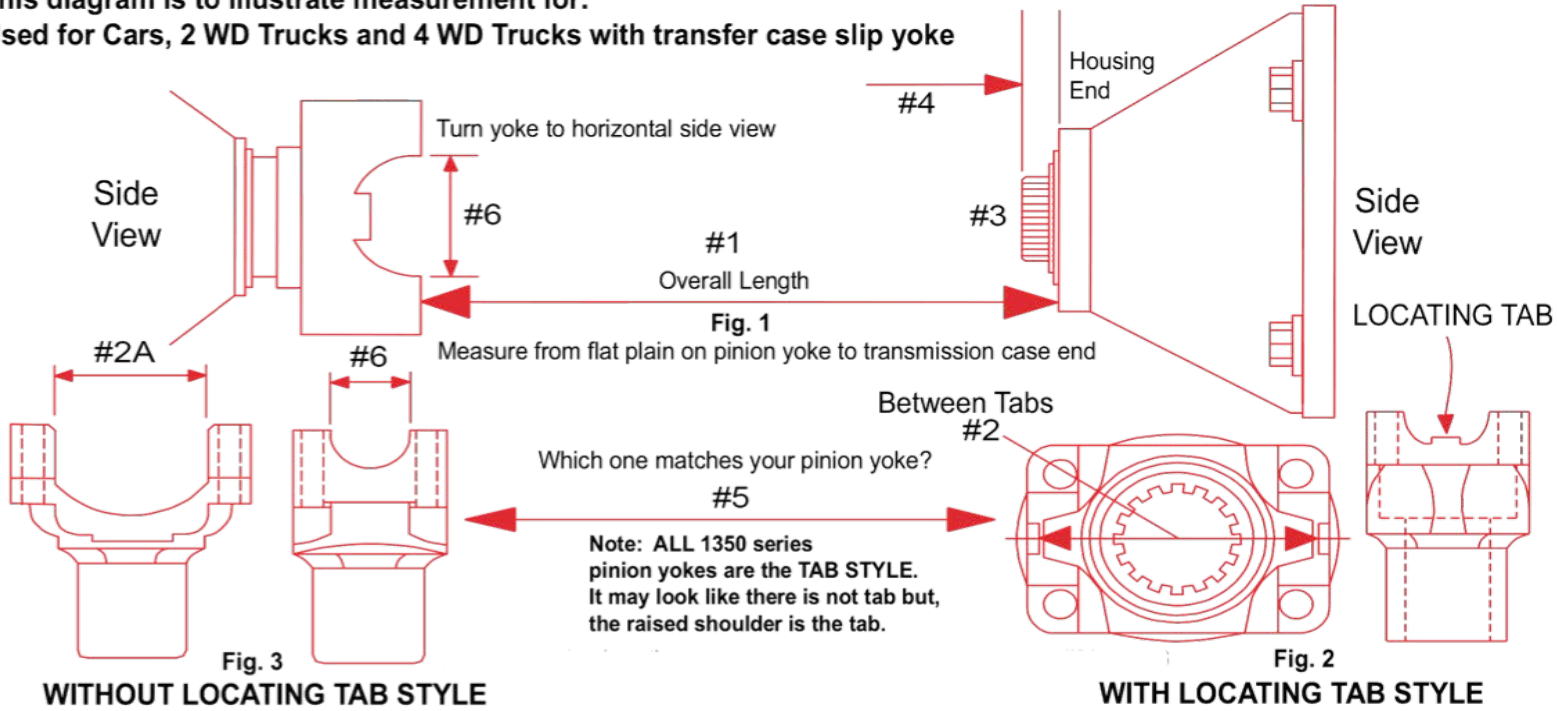
*For Street and Race Vehicles:

Note: Vehicle should be measured with wheels and axles under normal load with rear end support on safety jack stands as if the vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This diagram is to illustrate measurement for:

Used for Cars, 2 WD Trucks and 4 WD Trucks with transfer case slip yoke



Never use the hook on the end of the tape measure to measure #2, #2A or #6

- 1) What is the overall length measurement from the end of the transmission case to the flat surface on the pinion yoke as shown in Fig. 1: _____ inches
- 2) If your pinion yoke has the 2 locating tabs then measure between the 2 locating tabs. (Fig. 2) Your measurement should be 3-7/32 or 3-5/8 (Circle One)
- 2A) If your pinion yoke does **not** have the 2 locating tab, then measure between the 2 flat surfaces as shown in Fig. 3: _____ inches
- 3) **T-400 & 4L80 Transmissions ONLY**
Does the **OUTPUT** Shaft have a *threaded* hole in the end? **YES** **NO** (Circle One)
- 4) How far does the output shaft stick out past the end of the transmission case? _____ inches
*Compress the seal if necessary
- 5) Does the pinion yoke have the locating tab? **YES** **NO** (Circle One)
- 6) Which U-Joint fits into the pinion yoke: **1-1/16** **1-1/8** **1-3/16** (Circle One)

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LOCATING TAB STYLE YOKE

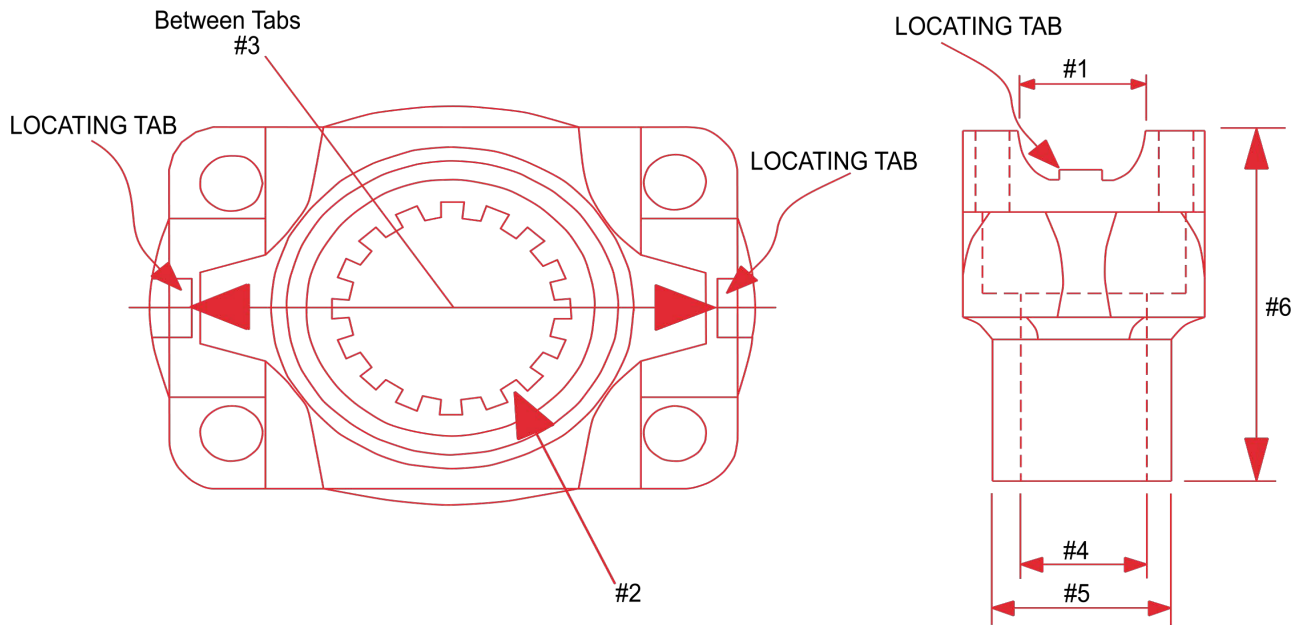
Measure Diagram CDS-2

*Measure for New Pinion Yoke

Note: This diagram is for measuring the U-Joint size, either for existing pinion yoke or to measure for a replacement pinion yoke.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This style yoke is use by:
GENERAL MOTORS, FORD & CHRYSLER



- 1) How wide is the saddle that the u-joint cap fits into? Choose ONE of three options:
1-1/16 1-1/8 1-3/16 (Circle One)
- 2) How many splines do you count in the yoke? _____ **splines**
- 3) What is the measurement between the 2 locating tabs? Choose ONE of two options:
3-7/32 3-5/8 (Circle One)
- 4) What is the diameter of the splined hole? _____ **diameter**
- 5) What is the diameter of the seal surface? _____ **diameter**
- 6) What is the total height of the yoke? _____ **inches**

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"C" CLIP STYLE YOKE

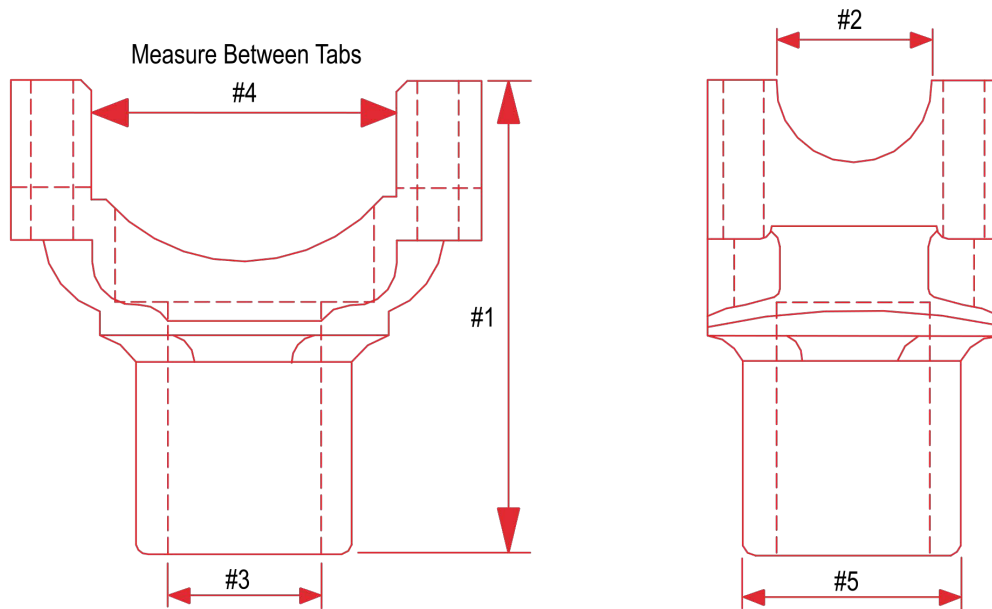
Measure Diagram CDS-3

***Measure for New Pinion Yoke**

Note: This diagram is for measuring the U-Joint size, either for existing pinion yoke or to measure for a replacement pinion yoke.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This style yoke is use by:
GENERAL MOTORS & CHRYSLER



- 1) What is the total height of the yoke? _____ inches
- 2) How wide is the saddle that the u-joint cap fits into? Choose ONE of two options: 1.078 1.125 (Circle One)
- 3) What is the diameter of the splined hole? _____ diameter
How many splines do you count in the yoke? (Please use a marker to mark splines to help ensure accuracy.)
_____ splines
- 4) What is the measurement between the two flat ear tabs? Choose ONE of three options: 2-9/16 2-1/8 2-2/8 (Circle One)
- 5) What is the diameter of the seal surface? _____ diameter

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DRIVESHAFT MEASUREMENT CV JOINT

Measure Diagram CDS-4

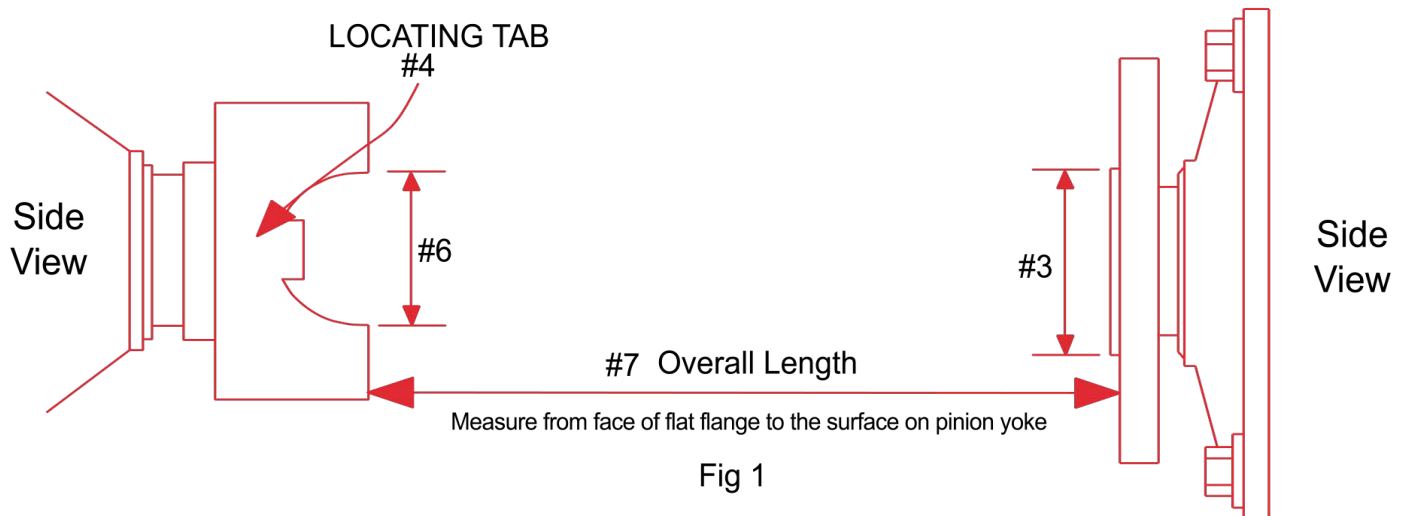
*Measure for CV Joint:

Note: Vehicle should be measured with wheels and axles under normal load with rear end supported on safety jack stands as if the vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging down out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This diagram is to illustrate measurement for:

**GM Front Driveshaft without CV Joint - GM and Dodge Front Driveshaft with CV Joint -
Jeep Rear CV style driveshafts with T-Case Conversion Kit - Ford Rear Driveshaft with CV Joint**



- 1) What is the model name or number of the differential? _____
- 2) 4 WD- What is the model name or number of the transfer case? _____
2 WD- What is the model name or number of the transmission? _____
- 3) What is the diameter of the pilot? (Also see Diagram 9) _____ inches
- 4) Does the differential yoke have a locating tab? **YES NO** (Circle One)
- 5) How wide is the differential yoke u-joint? (Note: Measure including caps- outside to outside. Also; see Diagrams 3 & 4 for more information) **with locating tabs- measure between tabs: 3-7/32 3-5/8** (Circle One)
without locating tabs (GM or Dodge without tabs)- measure full distance across yoke: _____ inches
- 6) What is the diameter of the u-joint cap that fits into the differential yoke? **1-1/16 1-1/8 1-3/16** (Circle One)
- 7) What is the overall length measurement? (Measure from the face of the flat flange on the transmission case to the flat surface of the differential yoke as shown above.) _____ inches

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FRONT- REAR DRIVESHAFT MEASUREMENT

Measure Diagram CDS-5

***Measure for Front & Rear Driveshafts-CV Joints:**

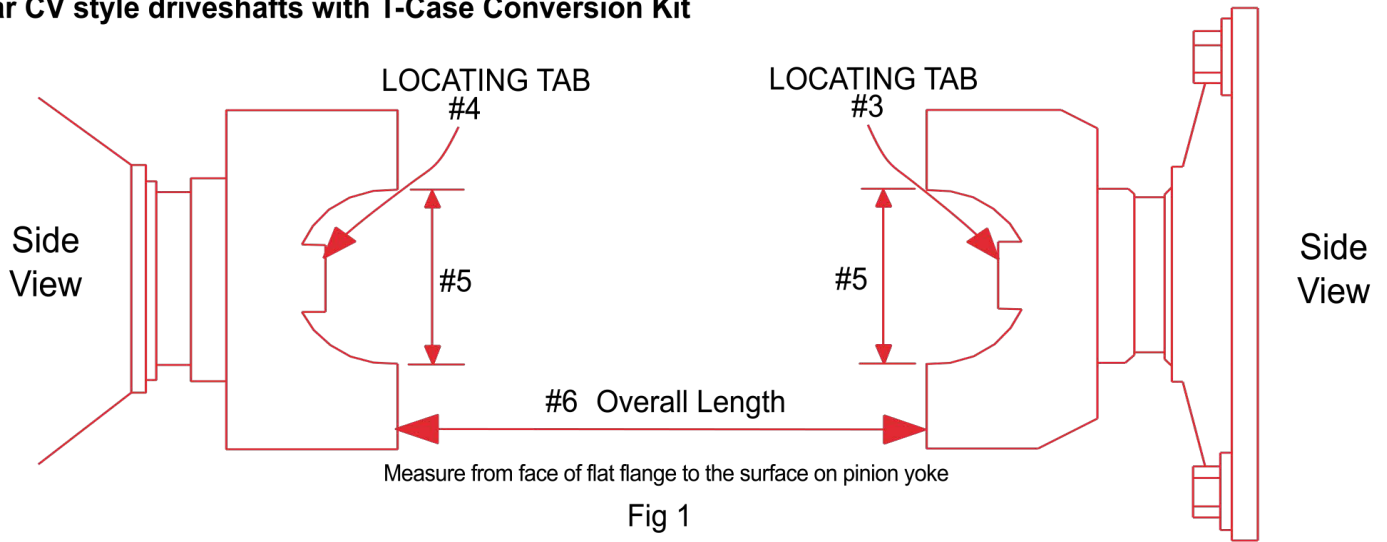
Note: Vehicle should be measured with the wheels and axles under normal load with rear end support on safety jack stands as if they vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This diagram is to illustrate measurement for:

GM, Ford, Dodge & Jeep - Front & Rear Driveshafts - With or Without CV Joint

Jeep Rear CV style driveshafts with T-Case Conversion Kit



- 1) What is the model name or number of the differential? _____
- 2) 4 WD- What is the model name or number of the transfer case? _____
 2 WD- What is the model name or number of the transmission? _____
- 3) Does the transmission yoke have a locating tab? **YES NO** (Circle One)
- 4) Does the differential yoke have a locating tab? **YES NO** (Circle One)
- 5) How wide is the trans case yoke u-joint? (Note: Measure including caps; outside to outside. Also, see diagrams 3 & 4 for more information.) **3-7/32 3-5/8** (Circle One)
 How wide is the differential yoke u-joint? **3-7/32 3-5/8** (Circle One)
 With locating tabs- measure between tabs: **3-7/32 3-5/8** (Circle One)
 Without locating tabs (GM or Dodge)- measure full distance across yoke: _____ inches
- 6) What is the diameter of the u-joint cap that fits into the trans case yoke? **1-1/16 1-1/8 1-3/16** (Circle One)
- 7) What is the diameter of the u-joint cap that fits into the differential yoke? **1-1/16 1-1/8 1-3/16** (Circle One)
- 8) What is the overall length measurement? (Measure from the face of the flat flange on the trans case to the flat surface of the differential yoke as shown above.) _____ inches

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FORD REAR SHAFT MEASUREMENT

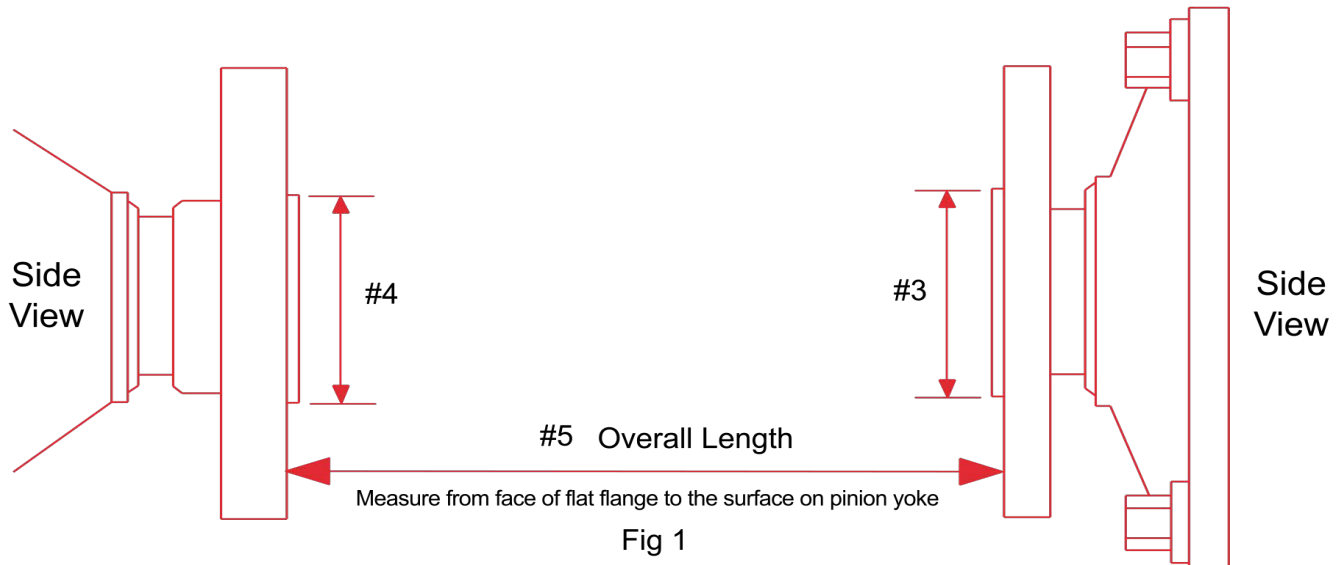
Measure Diagram CDS-6

***Measure for Ford Driveshafts:**

Note: Vehicle should be measured with the wheels and axles under normal load with rear end support on safety jack stands as if they vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

**This diagram is to illustrate measurement for:
Ford Rear Driveshafts with and without CV Joint**



- 1) What is the model name or number of the differential? _____
- 2) 4 WD- What is the model name or number of the transfer case? _____
2 WD- What is the model name or number of the transmission? _____
- 3) What is the diameter of the pilot at the trans case? _____ inches
- 4) What is the diameter of the pilot at the differential? (See diagram 9 for more information) _____ inches
- 5) What is the overall length measurement? _____ inches
(Measure from the face of the flat flange on the trans case to the flat surface of the differential yoke as shown above.)

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REAR & CV DRIVESHAFT MEASUREMENT

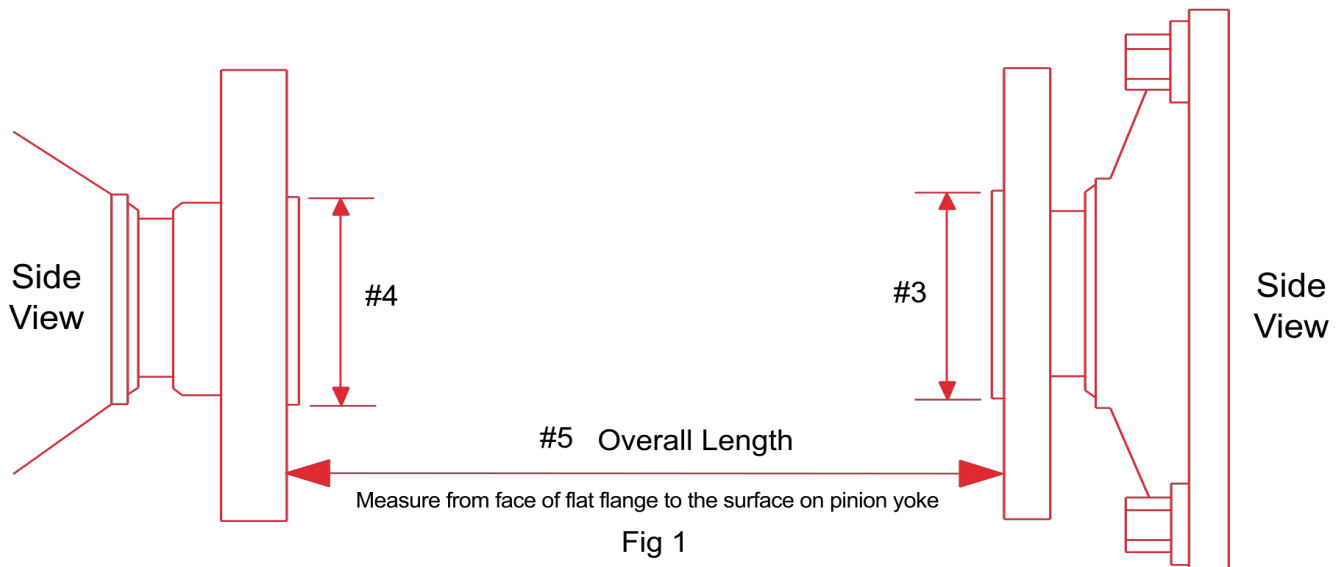
Measure Diagram CDS-7

***Measure for Ford Driveshafts:**

Note: Vehicle should be measured with the wheels and axles under normal load with rear end support on safety jack stands as if they vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

**This diagram is to illustrate measurement for:
Ford Rear Driveshafts with and without CV Joint**



- 1) What is the model name or number of the differential? _____
- 2) 4 WD- What is the model name or number of the transfer case? _____
2 WD- What is the model name or number of the transmission? _____
- 3) How many splines do you count in the yoke? _____ splines
(Please use a marker to mark splines to help ensure accuracy.)
- 4) How far does the output shaft stick out past the end of the trans case? _____ inches
- 5) What is the diameter of the pilot at the differential? (See diagram 9 for more information.)
_____ inches
- 6) What is the overall length measurement? _____ inches
(Measure from the face of the flat flange on the trans case to the flat surface of the differential yoke as shown above.)

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FLANGE YOKE MEASUREMENT

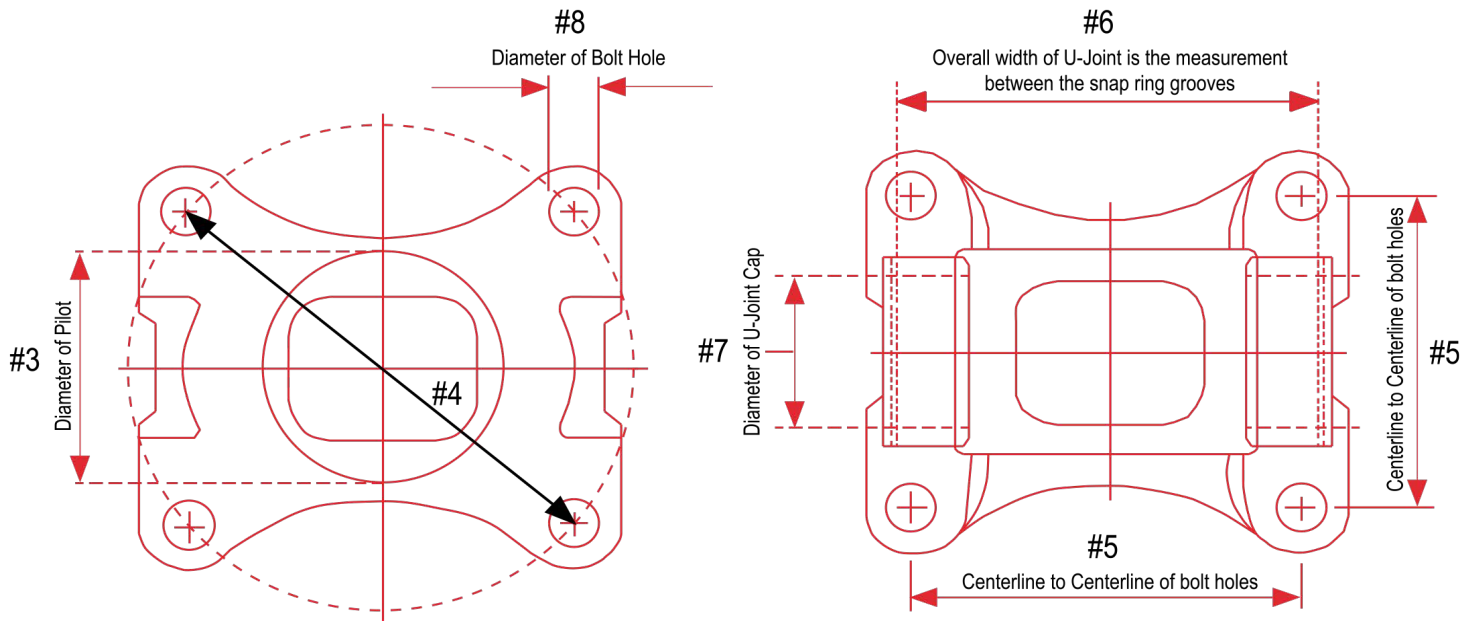
Measure Diagram CDS-8

***Measure Driveshaft Components:**

Note: Vehicle should be measured with the wheels and axles under normal load with rear end support on safety jack stands as if they vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

**This diagram is to illustrate measurement for:
Flange Yoke**



- 1) What is the model name or number of the differential? _____
- 2) 4 WD- What is the model name or number of the transfer case? _____
2 WD- What is the model name or number of the transmission? _____
- 3) Measure the pilot diameter in the center of the flange yoke. _____ inches
- 4) Measure the bolt circle diameter diagonally across yoke. _____ inches
- 5) Measure the bolt pattern:
Center to center across the 2 top holes: _____ inches
Center to center across the 2 side holes: _____ inches
- 6) How wide is the u-joint that fits into the flange yoke? **3-7/32** **3-5/8** (Circle One)
- 7) What is the diameter of the u-joint cap that fits into the flange yoke? **1-1/16** **1-1/8** **1-3/16** (Circle One)
- 8) Measure the diameter of the bolt hole. _____ inches

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TWO (2) PIECE DRIVESHAFT MEASUREMENT

Measure Diagram CDS-9

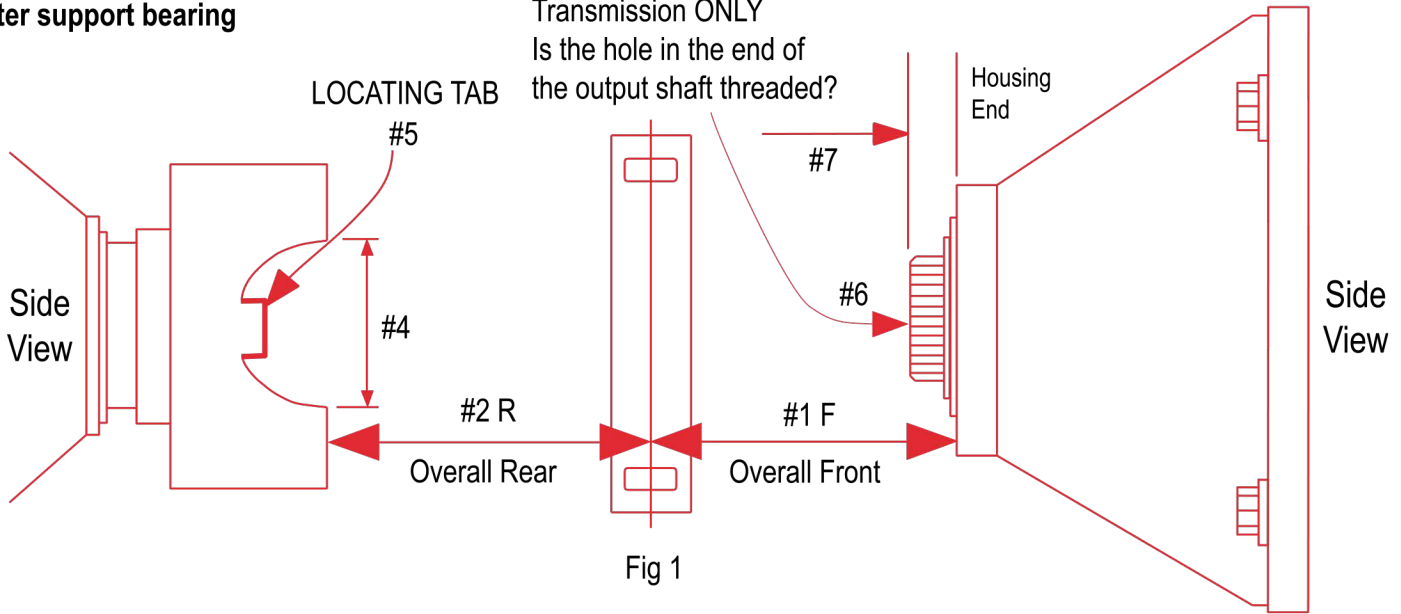
*Measure Driveshaft Components:

Note: Vehicle should be measured with the wheels and axles under normal load with rear end support on safety jack stands as if they vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This diagram is to illustrate measurement for:
Van and Pick-Up 2 piece driveshafts with a center support bearing

Note: T-400 or 4L80 Transmission ONLY
 Is the hole in the end of the output shaft threaded?



- 1) What is the overall measurement from the end of the trans case to the center of the support bearing mount? (As shown above) _____ inches
- 2) What is the overall measurement from the center of the support bearing mount to the flat surface on the pinion yoke? (As shown above) _____ inches
- 3) How wide is the the rear u-joint, including caps, from outside to outside? **3-7/32** **3-5/8** (Circle One)
 Option 1: Measuring the pinion yoke with the locating tabs/between tabs is? **3-7/32** **3-5/8** (Circle One)
 Options 2: Measuring pinion yoke without locator tabs across the yoke is? (Measuring outside to outside) _____ inches
- 4) What is the u-joint cap diameter that fits into the pinion yoke? **1-1/16** **1-1/8** **1-3/16** (Circle One)
- 5) The pinion yoke has locating tabs? **YES** **NO** (Circle One)
- 6) T400 or 4L80 trans output shaft is threaded?
Does not matter if it is not a T400 or 4L80 **YES** **NO** (Circle One)
- 7) How far does the output shaft stick out past the end of the trans case? _____ inches

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TWO (2) PIECE DRIVESHAFT MEASUREMENT

Measure Diagram CDS-10

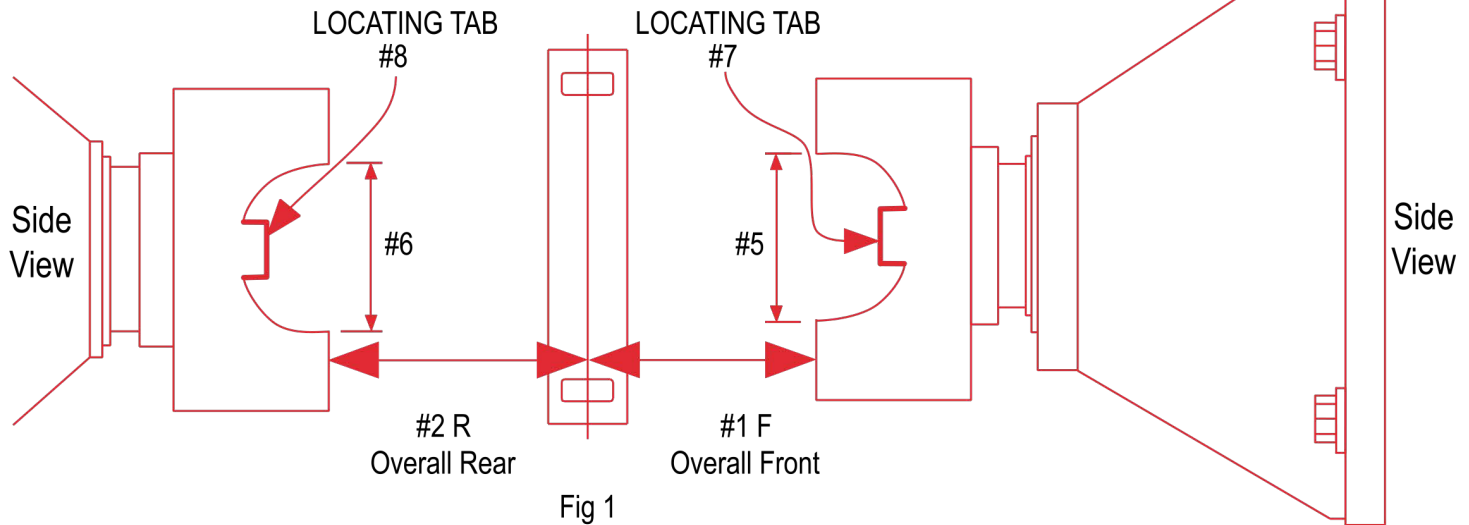
***Measure Driveshaft Components:**

Note: Vehicle should be measured with the wheels and axles under normal load with rear end support on safety jack stands as if they vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This diagram is to illustrate measurement for:

Van and Pick-up 2 piece driveshafts with center support bearing



- 1) What is the overall measurement from the center of the support bearing mount to the flat surface on the trans yoke? (As shown above) _____ inches
- 2) What is the overall measurement from the center of the support bearing mount to the flat surface on the pinion yoke? (As shown above) _____ inches
- 3) How wide is the the front u-joint, including caps, from outside to outside? **3-7/32** **3-5/8** (Circle One)
 Option 1: Measuring the pinion yoke with the locating tabs/between tabs is? **3-7/32** **3-5/8** (Circle One)
 Options 2: Measuring pinion yoke without locator tabs across the yoke is? (Measuring outside to outside) _____ inches
- 4) How wide is the the rear u-joint, including caps, from outside to outside? **3-7/32** **3-5/8** (Circle One)
 Option 1: Measuring the pinion yoke with the locating tabs/between tabs is? **3-7/32** **3-5/8** (Circle One)
 Options 2: Measuring pinion yoke without locator tabs across the yoke is? (Measuring outside to outside) _____ inches
- 5) What is the u-joint cap diameter that fits into the trans yoke? **1-1/16** **1-1/8** **1-3/16** (Circle One)
- 6) What is the u-joint cap diameter that fits into the pinion yoke? **1-1/16** **1-1/8** **1-3/16** (Circle One)
- 7) The trans yoke **has** locating tabs: **YES** **NO** (Circle One)
- 8) The pinion yoke **has** locating tabs: **YES** **NO** (Circle One)

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X FRAME DRIVESHAFT MEASUREMENT

Measure Diagram CDS-11

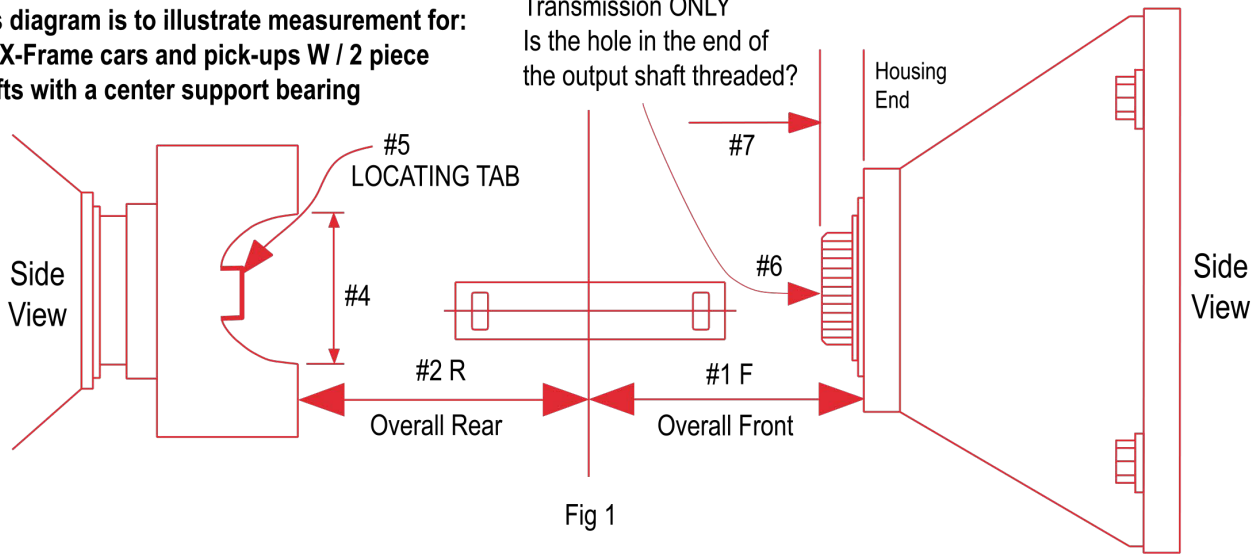
***Measure Driveshaft Components:**

Note: Vehicle should be measured with the wheels and axles under normal load with rear end support on safety jack stands as if they vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This diagram is to illustrate measurement for:
GM X-Frame cars and pick-ups W / 2 piece shafts with a center support bearing

Note: T-400 or 4L80
 Transmission ONLY
 Is the hole in the end of the output shaft threaded?



- 1) What is the overall measurement from the trans case to the center of the support bearing mount? (As shown above) _____ inches
- 2) What is the overall measurement from the center of the support bearing mount to the flat surface on the pinion yoke? (As shown above) _____ inches
- 3) How wide is the the rear u-joint, including caps, from outside to outside? **3-7/32** **3-5/8** (Circle One)
 Option 1: Measuring the pinion yoke with the locating tabs/between tabs is? **3-7/32** **3-5/8** (Circle One)
 Options 2: Measuring pinion yoke without locator tabs across the yoke is? (Measuring outside to outside) _____ inches
- 4) What is the u-joint cap diameter that fits into the pinion yoke? **1-1/16** **1-1/8** **1-3/16** (Circle One)
- 5) The pinion yoke **has** locating tabs: **YES** **NO** (Circle One)
- 6) T400 or 4L80 trans output shaft **is** threaded: **YES** **NO** (Circle One)
Does not matter if it is not a T400 or 4L80
- 7) How far does the output shaft stick out past the end of the trans case? _____ inches

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EXISTING DRIVESHAFT MEASUREMENT

Measure Diagram CDS-12

***Measure For Street and Race Vehicles:**

Note: Vehicle should be measured with the wheels and axles under normal load with rear end support on safety jack stands as if they vehicle is sitting normally on a roadway. The rear end should **never** be measured with the rear suspension hanging out of normal position.

If you have any questions or concerns, please call our experienced staff members for further assistance.

This diagram is to illustrate measurement for:

Used for Cars, 2 WD Trucks and 4 WD Trucks with transfer case slip yoke

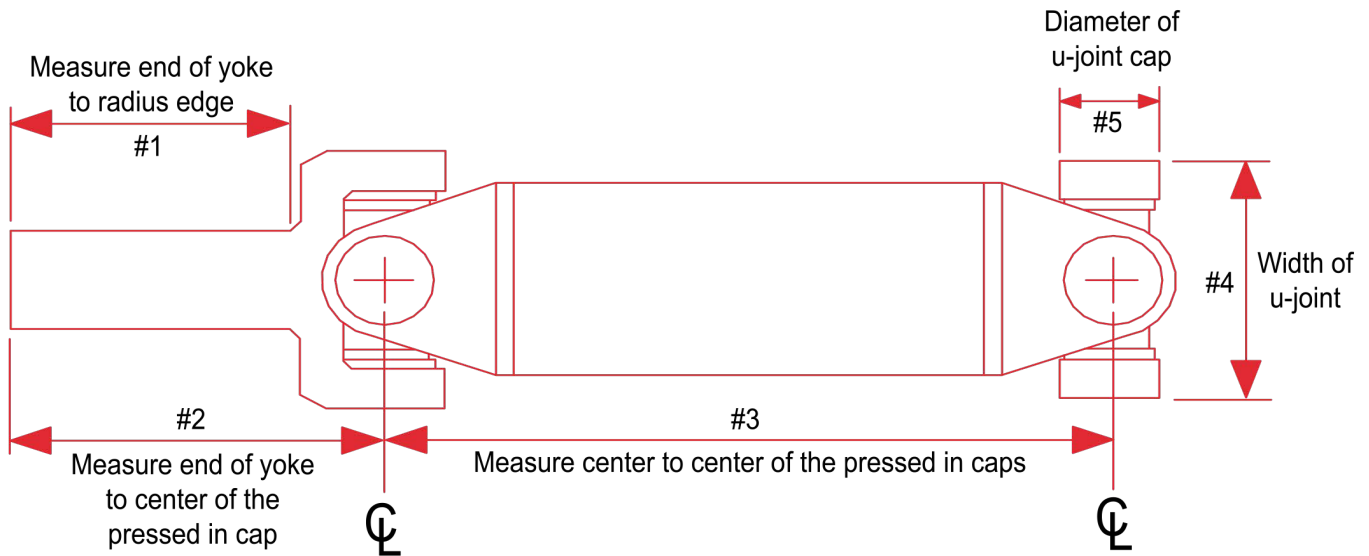


Fig 1

- 1) What is the measurement from the end of the slip yoke barrel to the radius edge of the barrel? (As shown above) _____ inches
 - 2) What is the measurement from the end of the slip yoke barrel to the u-joint cap center? (As shown above) _____ inches
 - 3) What is the measurement from the center of the u-joint cap to the center of the u-joint cap? (As shown above) _____ inches
 - 4) What is the measurement of the width of the u-joint? (As shown above) _____ inches
 - 5) What is the measurement of the u-joint cap diameter? (As shown above) _____ inches
- Always pull an inch on a tape as the tape end construction can give a false measurement and ensure tape is pulled tight.**

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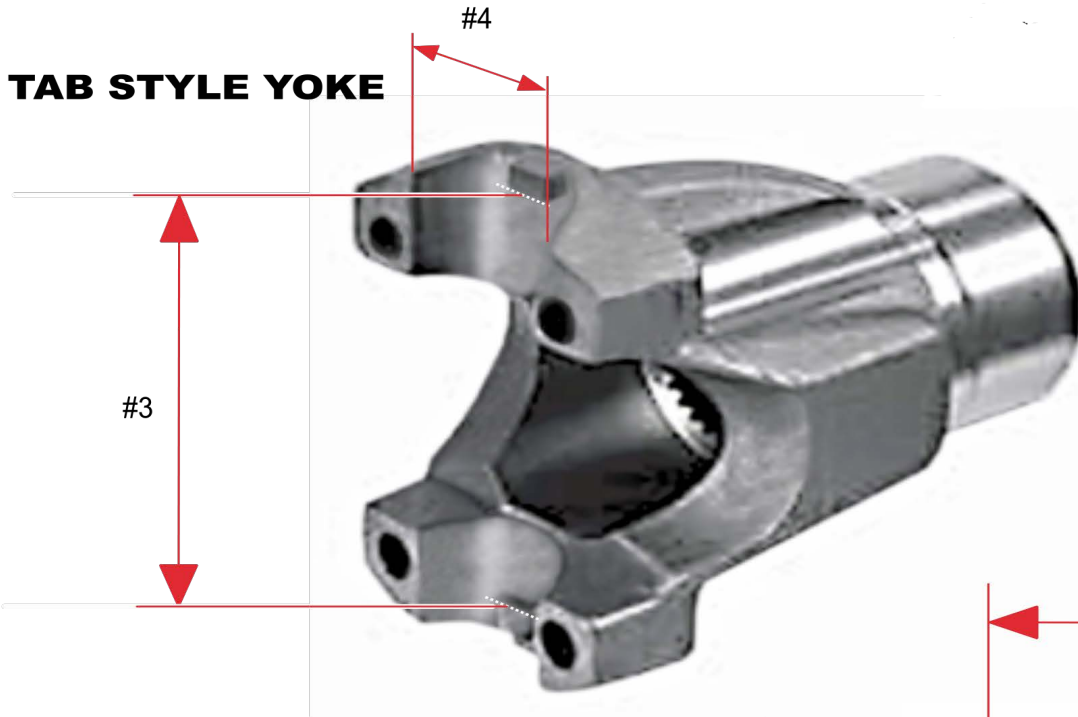
YOKE & U- JOINT MEASUREMENT

Measure Diagram CDS-13

***Measure For Street and Race Vehicles:**

If you have any questions or concerns, please call our experienced staff members for further assistance.

TAB STYLE YOKE



#2



- #1 Measure outside to outside of the barring caps for overall size of u-joint
- #2 Measure outside to outside of the single barring cap
- #3 Measure between tabs of existing yoke
- #4 Measure cradle for barring caps

STANDARD U-JOINT

#1



8:00 AM to 5:00 PM Mon- Thurs
8:00 AM to 4:00 PM Friday

Closed on Holidays & Weekends
Contact us for more information