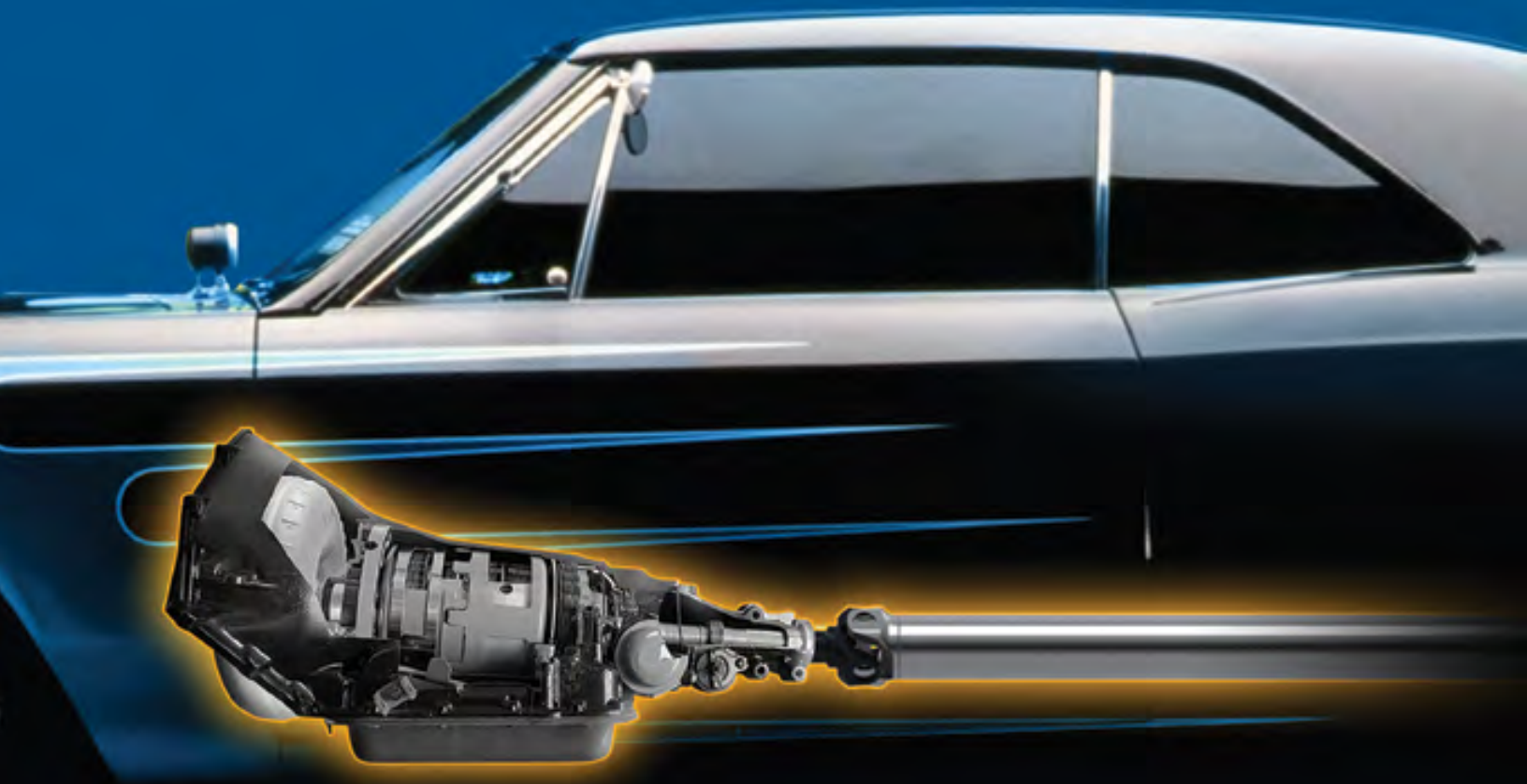


sonnax[®]

DRIVELINE

PRODUCTS CATALOG VOL 5





TIME TESTED. INDUSTRY TRUSTED. THAT'S SONNAX.

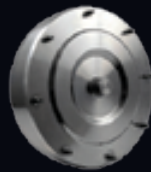
Sonnax is an industry leader in the cutting-edge design, manufacture and distribution of the highest quality products to the automotive aftermarket, commercial vehicle industries and industrial sectors utilizing drivetrain technology. After more than 30 years in business, the Sonnax name has become synonymous with outstanding parts, customer service and technical expertise that are second to none.



**Driveline
Components**



**Transmission Parts &
Reman. Valve Bodies**



**Torque Converter
Components**



HP/HD Upgrades



Power Train Savers®

ALUMINUM COMPONENTS

Sonnax is America's #1 source for aluminum aftermarket driveshaft components, every piece made to exacting quality standards you can trust.

- **6061-T6 Aluminum enhances drivetrain strength, performance & durability**
- **Uniquely engineered for fast, easy assembly & welding**
- **Precision-machined to deliver long-lasting, trouble-free performance**

WHERE TO BUY

Contact your local driveline shop for availability. Contact a Sonnax driveline product specialist for assistance on finding a local installer or becoming a distributor.

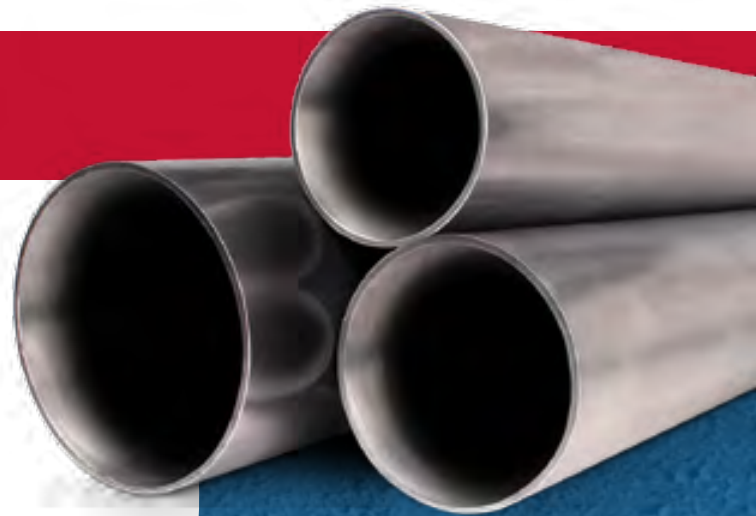
Tubing from Alcoa®

- **Ordered to exacting specifications to ensure consistent straightness & wall thickness**
- **Surpasses ASTM B210-04 specification**
- **.125" Wall thickness improves torque yield**

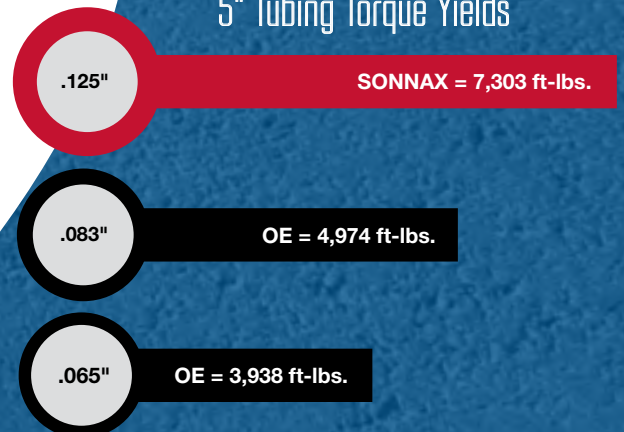
Sonnax tubing from Alcoa® is the best foundation for a driveshaft that's easy to build and balance. It's the ideal way to increase strength and critical speed, whether you're replacing thin wall OE aluminum/steel tubing or converting from a steel two-piece to an aluminum, one-piece driveshaft.

Tubing features a .125" thick wall for torque yields of up to 7,303 ft-lbs. (5" tubing), a dramatic improvement compared to the weaker OE .083" and .065" thick tubing.

| Part No. | Tube Dia. | Tube Length |
|-------------|-----------|-------------|
| T300-125-54 | 3.0" | 54" |
| T350-125-54 | 3.5" | 54" |
| T350-125-72 | 3.5" | 72" |
| T400-125-72 | 4.0" | 72" |
| T500-125-80 | 5.0" | 80" |



5" Tubing Torque Yields



ALUMINUM COMPONENTS

Flange Yokes

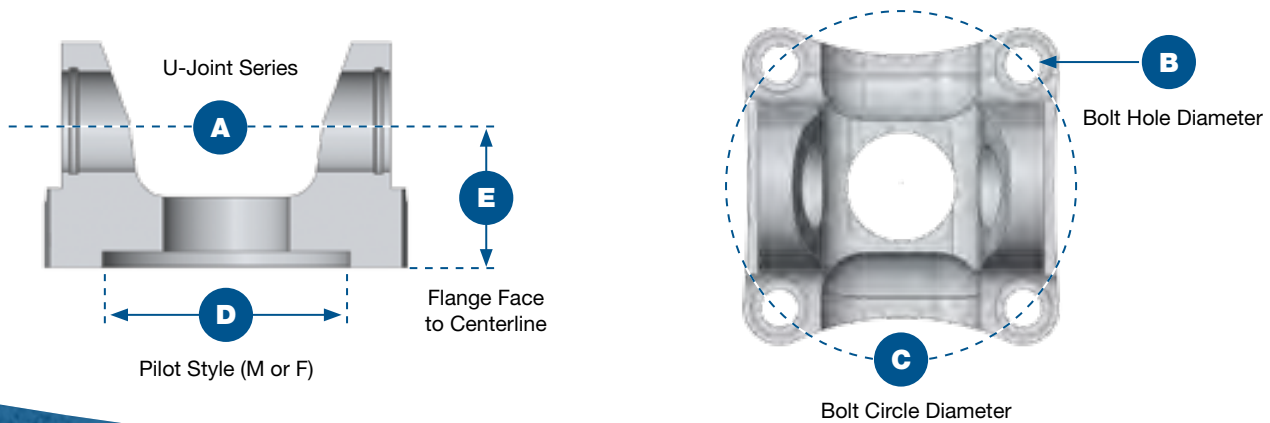
- Precision machined from billet aluminum to be stronger than OE cast steel yokes
- Unrivaled concentricity for exceptional balance & minimal runout
- Significantly reduced weight (up to 54%)
- Superior craftsmanship & finish complement a show-quality driveline



| Part No. | U-Joint Series | Bolt Hole Dia. | Bolt Circle Dia. | Pilot Style | Flange Face to Centerline |
|------------|----------------|----------------|------------------|-------------|---------------------------|
| | A | B | C | D | E |
| T2-2-939A | 1310 | .516" | 3.500" | F | 1.650" |
| T2-2-489A | 1330 | .440" | 3.750" | M | 1.560" |
| T2-2-949A | | .516" | 3.500" | F | 1.650" |
| T3-2-949A | 1350 | .516" | 3.500" | F | 1.550" |
| T3-2-119A | | .440" | 3.750" | M | 1.560" |
| T3-2-1579A | | .516" | 4.250" | F | 1.630" |
| T3-2-1859A | | .516" | 4.750" | F | 1.750" |

See diagram on page 9 for help identifying U-joint series.

Measuring Standard Flange Yokes



- 6061-T6 Aluminum components enhance drivetrain strength, performance & durability
- Uniquely engineered for fast, easy assembly & welding
- Precision-machined to deliver long-lasting, trouble-free performance

Adapter Flange Yokes

The ideal upgrade for modified performance vehicles, Sonnax adapter flanges make it easy to convert a two-piece driveline to a one-piece, U-joint style driveline. Combined with Sonnax tubing and weld yokes, these unique flanges dramatically increase strength and durability while reducing future maintenance costs.


What vehicles do these flanges fit?

Measure bolt circle diameter as well as pinion and output flange bolt hole diameters to determine if these yokes will fit your build.

3-Bolt Flange

- Eliminates the troublesome giubo or CV joint(s)
- Great for drivetrain swaps & retrofits in custom applications such as street rods & hot rods
- Manufactured from 6061-T6 aluminum





| Part No. | Bolts | U-Joint Series | Bolt Hole Dia. | Bolt Circle Dia. | Pilot Style | Flange Face to Centerline |
|-------------|---|----------------|----------------|------------------|-------------|---------------------------|
| T35-GMFD-01 |  | 1350 | .500" | 4.331" | F | 3.000" |

6- & 8-Bolt Flanges

- Eliminates the CV joint(s)
- Mates to output & pinion flanges in Hellcat® & similar high-power applications
- Manufactured from 7075-T6 aluminum



| Part No. | Bolts | U-Joint Series | Bolt Hole Dia. | Bolt Circle Dia. | Pilot Style | Flange Face to Centerline |
|-------------|---|----------------|----------------|------------------|-------------|---------------------------|
| T35-ALFY-07 |  | 1350 | .425" | 3.700" | F | 3.440" |
| T35-ALFY-08 |  | 1350 | .425" | 3.465" | F | 3.440" |

ALUMINUM COMPONENTS

Weld Yokes

- Precision machined from billet aluminum to be stronger than OE cast yokes
- Unrivaled concentricity for exceptional balance & minimal runout
- Extra-thick pilot weld wall for consistent welds



| Part No. | Tube Dia. | U-Joint Series |
|--------------|-----------|----------------|
| T31-28-3012 | 3.0" | 1310 |
| T31-28-3512 | 3.5" | |
| T31-28-4008* | 4.0" | |
| T33-28-3012 | 3.0" | 1330 |
| T33-28-3512 | 3.5" | |
| T33-28-3512L | 3.5" | |
| T33-28-4012 | 4.0" | |
| T33-28-5012 | 5.0" | |
| T35-28-3012 | 3.0" | 1350 |
| T35-28-3512 | 3.5" | |
| T35-28-3512L | 3.5" | |
| T35-28-4012 | 4.0" | |
| T35-28-5012 | 5.0" | |
| T3R-28-3012 | 3.0" | 3R |
| T3R-28-3512 | 3.5" | |
| T41-28-4012 | 4.0" | 1410 |
| T41-28-5012 | 5.0" | |
| T48-28-5012 | 5.0" | 1480 |
| T485-28-5012 | 5.0" | 1485 |
| T55-28-5012 | 5.0" | 1550/1555 |

See diagram on page 9 for help identifying U-joint series.

* T31-28-4008 fits .083" wall tubing.

- 6061-T6 Aluminum components enhance drivetrain strength, performance & durability
- Uniquely engineered for fast, easy assembly & welding
- Precision-machined to deliver long-lasting, trouble-free performance

Bondable Yokes for Carbon Fiber Driveshafts



Standard Driveshaft vs.
Carbon Fiber Driveshaft & Sonnax Yoke

Carbon fiber is the next evolution of driveshaft power transfer technology. When you're ready to go to the next level, Sonnax bondable yokes are the best foundation for the ultimate carbon fiber driveshaft.

Sonnax offers a wide range of aluminum end yokes in a variety of sizes for many applications, from street to strip, dirt oval track, circle track and everything in-between.

- **Unique design supports a strong, reliable carbon fiber tubing bond**
- **Proven in applications beyond 1,000 HP**

| Part No. | Pilot Dia. | U-Joint Series |
|-----------------------|------------|----------------|
| T31-28-20012C* | 2.0" | 1310 |
| T31-28-30012C | 3.0" | |
| T35-28-30012C | 3.0" | 1350 |
| T35-28-35012C | 3.5" | |

See diagram on page 9 for help identifying U-joint series.
* T31-28-20012C is manufactured from 7075-T6 aluminum.

PERFORMANCE SLIP YOKES

Sonnax takes slip yokes to a new level by offering the industry's first affordable, high-quality performance steel slip yokes, a winning combination you won't find anywhere else.

- **Fully machined from billet steel for enhanced strength & durability**
- **Leak-free plug tested to 40 psi for optimum sealing**
- **1330 & 1350 Series yokes are chromoly steel**

WHERE TO BUY

Slip yokes are available worldwide from driveline shops and performance parts distributors. Contact a Sonnax driveline product specialist for more information.

Slip Yokes for Bushing Tail Housings

These slip yokes set the standard for incredible performance and value. It's the best way to greatly increase strength and durability in a wide range of high horsepower and torque capacity vehicles.

Installing Sonnax yokes in routine transmission builds helps prevent comeback complaints like:

- Leaking from the back of the transmission
- Noise, vibration & harshness (NVH)
- Clunking & shudder



Slip Yokes for Roller Bearing Tail Housings

Super durable, through-hardened yokes with tempered barrels will withstand the most severe punishment. The unique Sonnax design further increases strength in critical areas, making them ideal upgrades for Powerglide and many other extreme racing applications.

- A roller bearing provides friction reduction that translates to less running power loss vs. bushing
- Use with single- or double-roller bearing applications



Excellent Corrosion Protection

Black oxide finish inhibits rust and pitting.

Superior Fit

Clean-cut splines mate smoothly with output shaft.

Exceptional Balance with Minimal Runout

All dimensions are precision machined to guarantee a consistent, concentric slip yoke.

Optimum Sealing & Yoke Movement

Smooth outer journal for uniform contact with seal prevents leaks and promotes proper fore/aft yoke action.

SEE PAGES 8 & 9 FOR PARTS LISTING



ROLLER BEARING STYLE

EXTREME PERFORMANCE



BUSHING STYLE

HIGH PERFORMANCE



PERFORMANCE SLIP YOKES

Bushing Style

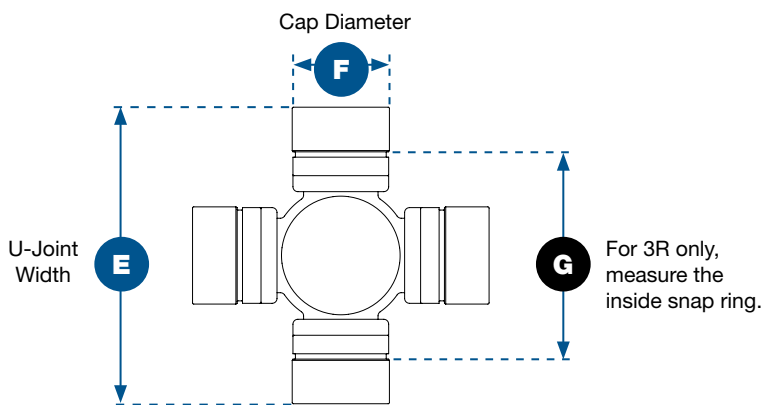
| Part No. | Spline Count | Seal Dia. | Length | Spline Type | U-Joint Series | | | | Suggested Bushing Output Shaft Applications |
|----------------------------|--------------|-----------|--------|-------------|----------------|------|------|------|--|
| | A | B | C | | 3R | 1310 | 1330 | 1350 | |
| T2-3-4911HP | 27 | 1.503" | 4.88" | Full | | ✓ | | | Powerglide, THM 200-4R, THM 350, THM 700-R4, 4L60-E, Muncie M-20, 21 & 22 with 27-tooth spline, Saginaw 3- & 4-Speed |
| T2-3-6081HP | 27 | 1.503" | 5.47" | Full | | ✓ | | | |
| T2-3-12081HP CHROMOLY | 27 | 1.503" | 5.47" | Full | | | ✓ | | |
| T2-3-12051HP CHROMOLY | 27 | 1.503" | 6.76" | Counterbore | | | ✓ | | |
| T3-3-6081HP CHROMOLY | 27 | 1.503" | 5.47" | Full | | | | ✓ | |
| T3-3-4281HP CHROMOLY | 27 | 1.503" | 6.94" | Counterbore | | | | ✓ | |
| T2-3-6081HP8XL CHROMOLY | 27 | 1.503" | 8.00" | Full | | ✓ | | | Powerglide, 200-4R, 4L60, 4L60-E, 350, Muncie & Brinn |
| T3R-3-9161HP | 32 | 1.886" | 7.50" | Full | ✓ | | | | THM 400, 4L80-E, Muncie M-20, 21 & 22, BorgWarner T-10 with 32-tooth spline |
| T2-3-13131HP | 32 | 1.886" | 4.88" | Full | | ✓ | | | |
| T2-3-10431HP | 32 | 1.886" | 5.50" | Full | | ✓ | | | |
| T2-3-10831HP CHROMOLY | 32 | 1.886" | 6.76" | Full | | | ✓ | | |
| T3-3-2431HP CHROMOLY | 32 | 1.886" | 5.50" | Full | | | | ✓ | |
| T3-3-2431CBHP CHROMOLY | 32 | 1.886" | 5.50" | Counterbore | | | | ✓ | |
| T3-3-5571HP CHROMOLY | 32 | 1.886" | 6.94" | Full | | | | ✓ | |
| T3-3-5551HP CHROMOLY | 32 | 1.886" | 7.94" | Counterbore | | | | ✓ | |
| T2-3-6041HP CHROMOLY | 31 | 1.685" | 6.00" | Full | | | ✓ | | C-6, FMX, Toploader 4-Speed, ZF 5-Speed, Tremec with 31-tooth spline |
| T3-3-2491HP CHROMOLY | 31 | 1.685" | 6.44" | Full | | | | ✓ | |
| T3-3-5431HP CHROMOLY | 31 | 1.886" | 7.31" | Full | | | | ✓ | Transfer Case |
| T2-3-4871HP | 28 | 1.499" | 6.00" | Full | | ✓ | | | C-4, AOD, many Toploader 3- & 4-Speeds, BorgWarner/Tremec T-5 with 28-tooth spline |
| T2-3-8251HP | 28 | 1.499" | 6.50" | Full | | ✓ | | | |
| T2-3-5981HP CHROMOLY | 28 | 1.499" | 5.91" | Full | | | ✓ | | |
| T3-3-8251HP CHROMOLY | 28 | 1.499" | 6.50" | Full | | | | ✓ | C4, AOD, T5, T10 |
| T2-3-14061HP CHROMOLY | 28 | 1.598" | 6.63" | Full | | | ✓ | | Ford 4R70W |
| T3-3-14061HP CHROMOLY | 28 | 1.598" | 6.63" | Full | | | | ✓ | |
| T3-3-3931HP CHROMOLY | 30 | 1.680" | 6.63" | Full | | | | ✓ | A727, A833 & 30-spline T56 |

- Fully machined from billet steel for enhanced strength & durability
- Leak-free plug tested to 40 psi for optimum sealing
- 1330 & 1350 Series yokes are chromoly steel

Roller Bearing Style

| Part No. | Spline Count | Seal Dia. | Length | Spline Type | 3R | U-Joint Series | | | Suggested Roller Bearing Output Shaft Applications |
|------------------------|--------------|-----------|--------|-------------|----|----------------|------|------|--|
| | A | B | C | | | 1310 | 1330 | 1350 | |
| T3-3-6081H CHROMOLY | 27 | 1.500" | 5.81" | Full | | | ✓ | | Powerglide, THM 350, Muncie M-20, 21 & 22 with 27-tooth spline, Saginaw 3- & 4-Speed |

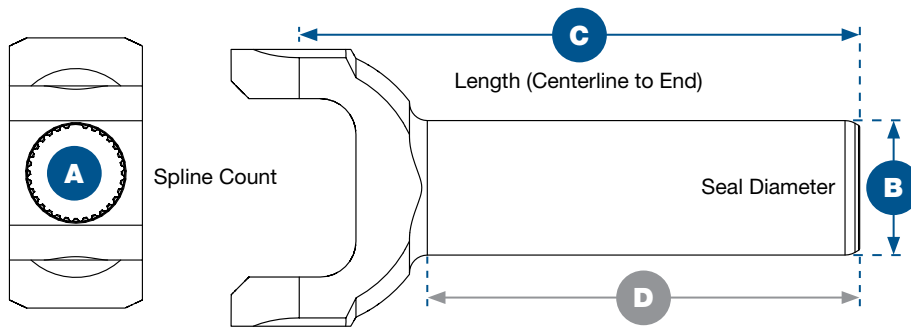
Identifying U-Joint Series



| U-Joint Series | E | F |
|----------------|--------|--------|
| 3R | 2.562" | 1.125" |
| 1310 | 3.219" | 1.062" |
| 1330 | 3.622" | 1.062" |
| 1350 | 3.622" | 1.188" |
| 1410 | 4.188" | 1.188" |
| 1480 | 4.188" | 1.375" |
| 1485 | 4.178" | 1.375" |
| 1550/1555 | 4.964" | 1.375" |

Measuring Slip Yokes

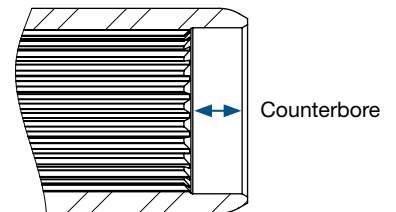
Some slip yokes have missing splines, so always count the splines on the transmission output shaft.

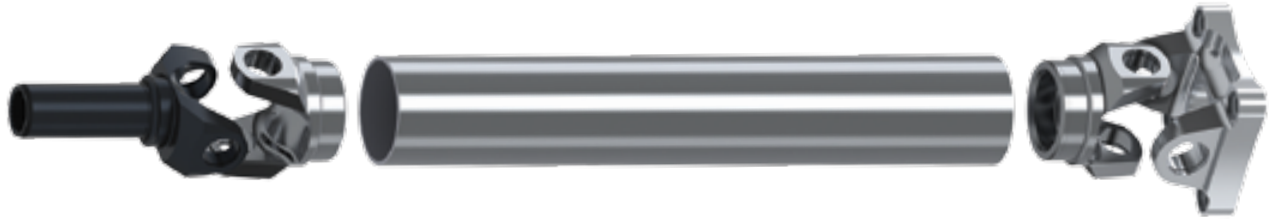


Aftermarket yokes may have different barrel lengths than OE yokes, so this is not a critical dimension for identifying which yoke will fit a shaft.

Identifying Spline Type

A slip yoke counterbore is a short lead without spline in the end of the yoke.





POPULAR STREET ROD/HOT ROD EXAMPLES

| | Slip Yoke | Weld Yoke | Tubing | Weld Yoke | Flange Yoke |
|-----------------|-------------|-------------|-------------|-------------|-------------|
| 3" Driveshaft | T2-3-6081HP | T31-28-3012 | T300-125-54 | T31-28-3012 | T2-2-939A |
| 3.5" Driveshaft | T3-3-4281HP | T35-28-3512 | T350-125-54 | T35-28-3512 | T3-2-1579A |

POPULAR MUSCLE CAR EXAMPLES

| | Slip Yoke | Weld Yoke | Tubing | Weld Yoke | Flange Yoke |
|------------------|-------------|-------------|-------------|-------------|-------------|
| '79-'95 Mustang | T2-3-5981HP | T33-28-3512 | T350-125-54 | T33-28-3512 | T2-2-949A |
| '10-Later Camaro | T35-GMFD-01 | T35-28-4012 | T400-125-72 | T35-28-4012 | T3-2-1859A |

HEAVY-DUTY DIESEL TRUCK EXAMPLES

Get More Power Down to the Ground
with Sonnax 5" Components

- Increase Strength & Durability
- Reduce Maintenance Costs
- Improve Serviceability
- Eliminate Takeoff Shudder

Meet the toughest demands of today's heavy-duty Dodge and Chevrolet diesel pickup trucks with Sonnax 5" aluminum weld yokes and tubing.

Delivering enhanced strength and durability, improved torque yields, and precision-machined quality, these components pair perfectly to replace troublesome two-piece driveshafts and eliminate the high-maintenance carrier bearing altogether.



| | Slip Yoke | Weld Yoke | Tubing | Weld Yoke | Flange Yoke |
|---------------|-----------|--------------|-------------|--------------|-------------|
| Chevy Duramax | — | T41-28-5012 | T500-125-80 | T41-28-5012 | — |
| Dodge Cummins | — | T485-28-5012 | T500-125-80 | T485-28-5012 | — |