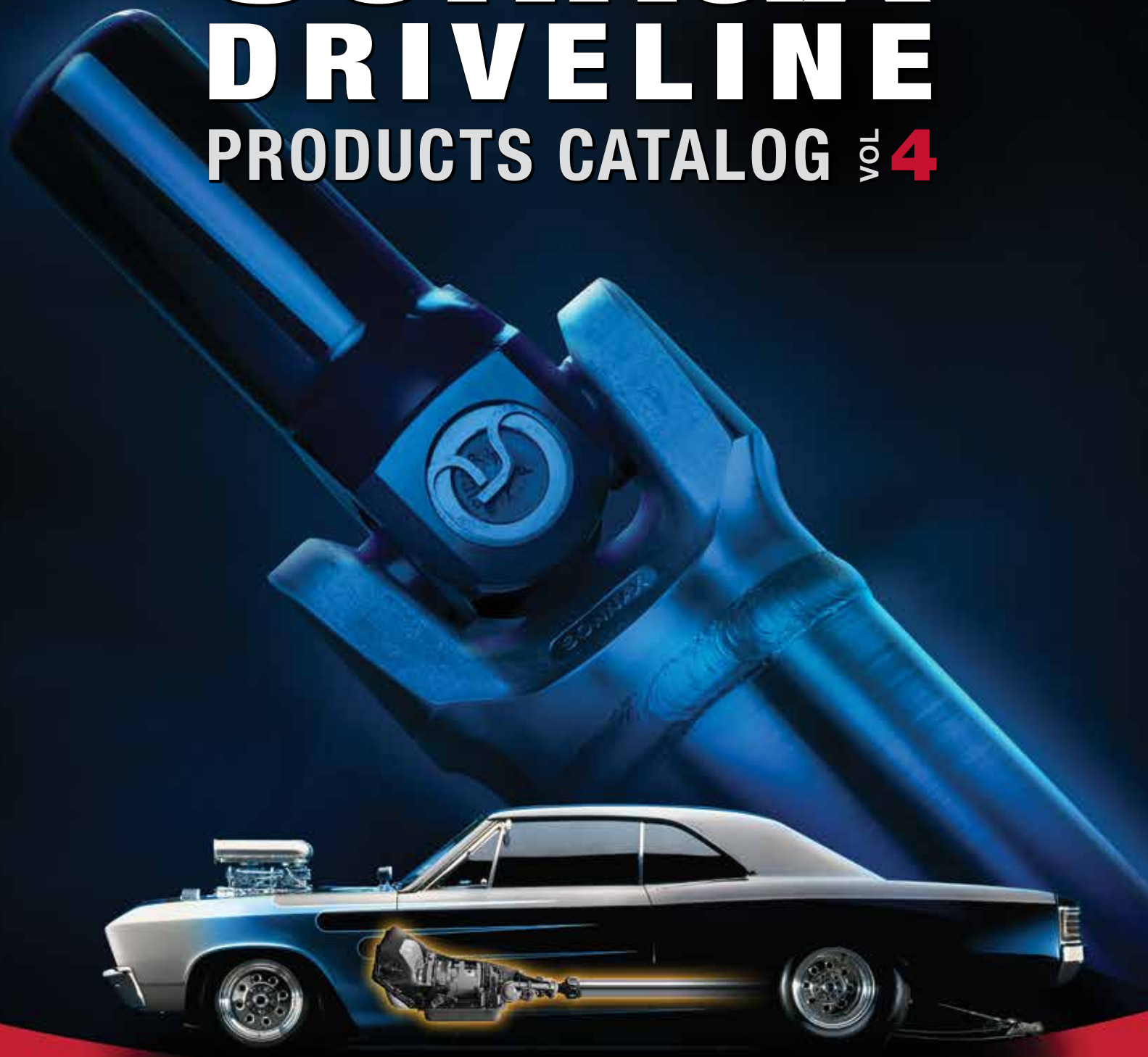
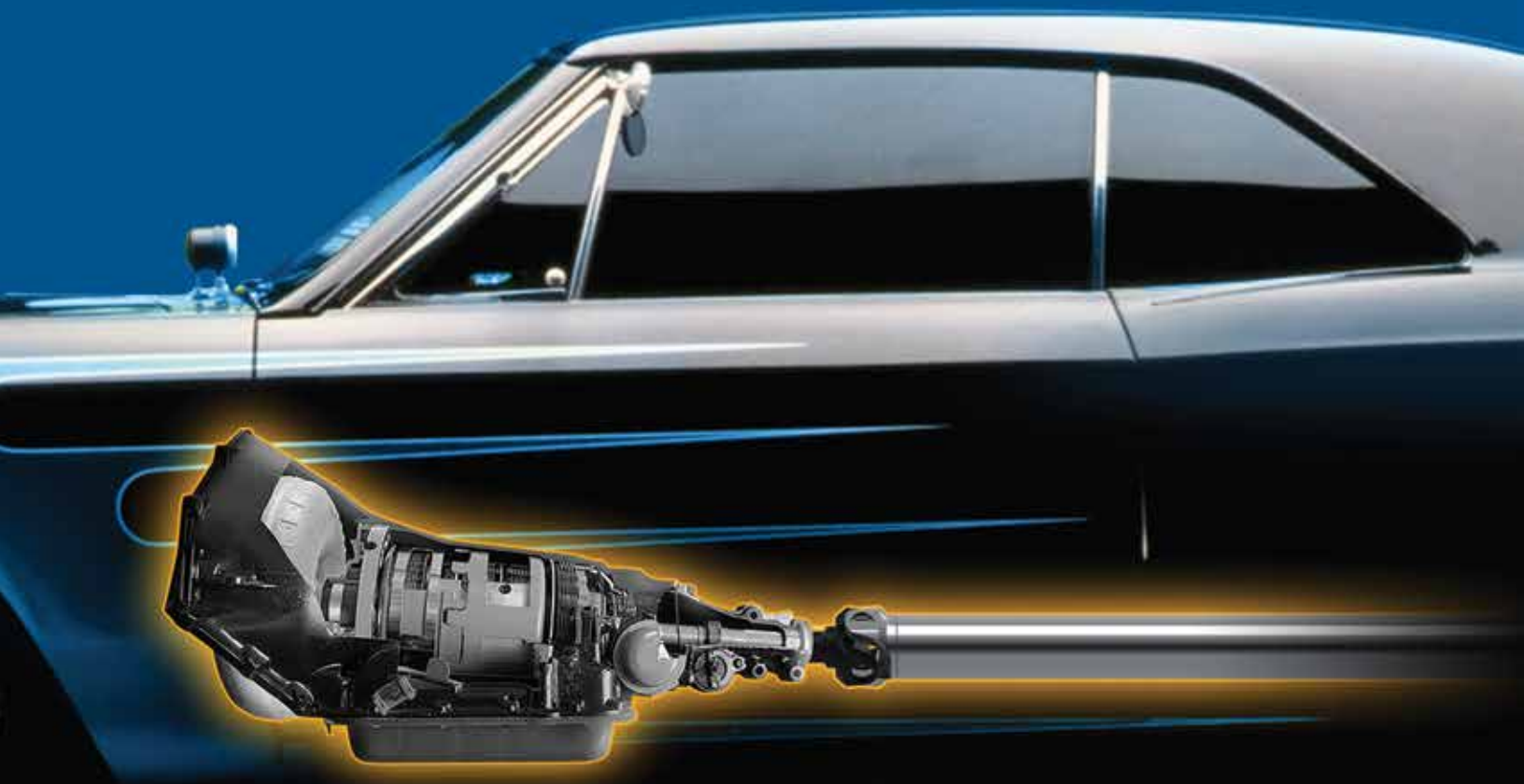


# sonnax<sup>®</sup> DRIVELINE PRODUCTS CATALOG VOL 4





## TIME TESTED. INDUSTRY TRUSTED. THAT'S SONNAX.

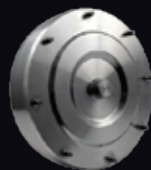
Sonnax is an industry leader in the cutting-edge design, manufacture and distribution of the highest quality products to the automotive aftermarket, commercial vehicle industries and industrial sectors utilizing drivetrain technology. After more than 30 years in business, the Sonnax name has become synonymous 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®**

### WHERE TO BUY

**Aluminum Driveline Components:** Contact Sonnax.

**Slip Yokes:** Available worldwide from driveline shops and performance parts distributors. Contact Sonnax for details.

**WWW.SONNAX.COM**

### CONTACT SONNAX

8:30 a.m. to 5 p.m. ET

(800) 843-2600 TOLL-FREE

(802) 463-9722 INTERNATIONAL

info@sonnax.com



# 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**

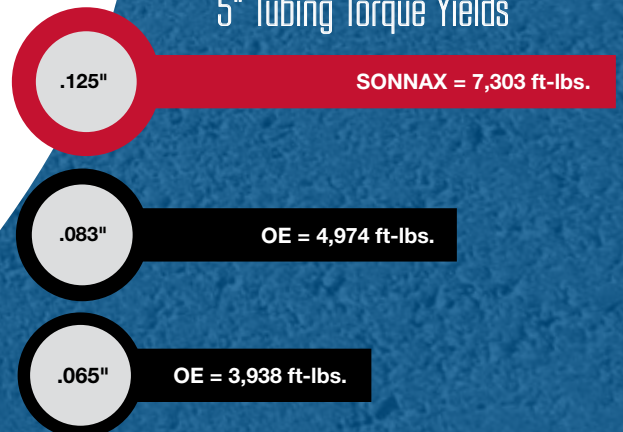
Sonnax tubing from Alcoa® is the best foundation for a driveshaft that's easy to build and balance. It's the ideal way to increase strength and critical speed, whether you're replacing thin wall OE aluminum/steel tubing or converting from a steel two-piece to an aluminum, one-piece driveshaft.

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

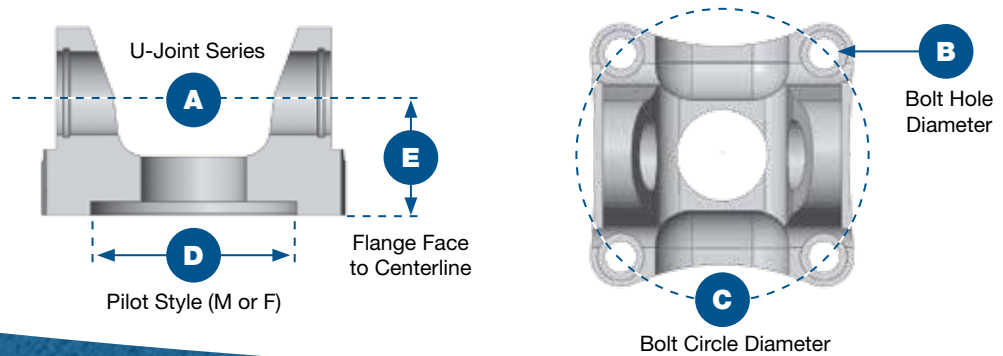
- Precision machined from billet aluminum to be stronger than OE cast steel yokes
- Unrivaled concentricity for exceptional balance & minimal runout
- Significantly reduced weight (up to 54%)
- Superior craftsmanship & finish complement a show-quality driveline



Part No.	U-Joint Series	Bolt Hole Dia.	Bolt Circle Dia.	Pilot Style	Flange Face to Centerline
	A	B	C	D	E
T2-2-1379A	1310	.440"	4.250"	F	1.630"
T2-2-939A		.516"	3.500"	F	1.650"
T2-2-1369A	1330	.516"	4.250"	F	1.630"
T2-2-489A		.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"
T3-2-809S CHROMOLY STEEL		.440"	3.750"	M	1.875"
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



### Chromoly Steel Flange Yoke

Sonnax chromoly steel flange yoke T3-2-809S fits '63-'79 Corvette applications with a 2.75" (male) pilot hole. It is not a direct replacement yoke and must be installed on a new half-shaft.

- 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"	1350
T35-28-3012	3.0"	
T35-28-3512	3.5"	
T35-28-3512L	3.5"	
T35-28-4012	4.0"	
T35-28-5012	5.0"	3R
T3R-28-3012	3.0"	
T3R-28-3512	3.5"	1410
T41-28-4012	4.0"	
T41-28-5012	5.0"	1480
T48-28-5012	5.0"	
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"	1330
T33-28-30012C	3.0"	1350
T35-28-30012C	3.0"	1410
T35-28-35012C	3.5"	1480/1485
T41-28-35012C	3.5"	
T48-28-35012C	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

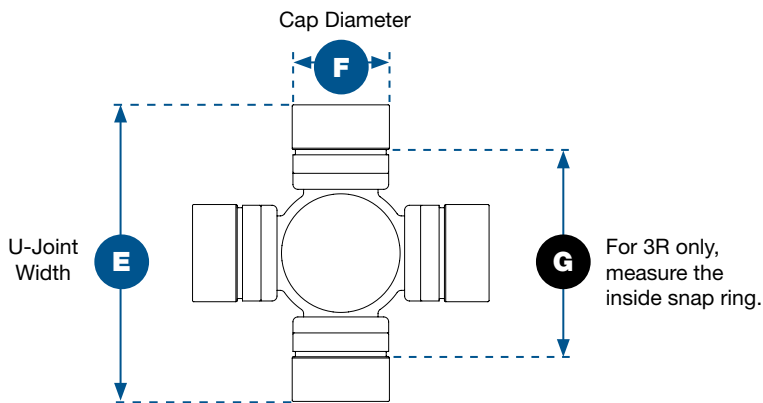
Part No.	Spline Count	Seal Dia.	Length	Spline Type	U-Joint Series				Suggested Bushing Output Shaft Applications
	A	B	C		3R	1310	1330	1350	
T3R-3-6081HP	27	1.503"	5.47"	Full	✓				Powerglide, THM 200-4R, THM 350, THM 700-R4, 4L60-E, Muncie M-20, 21 & 22 with 27-tooth spline, Saginaw 3- & 4-Speed
T2-3-4911HP	27	1.503"	4.88"	Full		✓			
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-3-9762HP	32	1.886"	5.34"	Full	✓				THM 400, 4L80-E, Muncie M-20, 21 & 22, BorgWarner T-10 with 32-tooth spline
T3R-3-9161HP	32	1.886"	7.50"	Full	✓				
T3R-3-9131HP	32	1.886"	7.50"	Counterbore	✓				
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			✓		
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 200-4R, THM 350, THM 700-R4, 4L60-E, Muncie M-20, 21 & 22 with 27-tooth spline, Saginaw 3- & 4-Speed

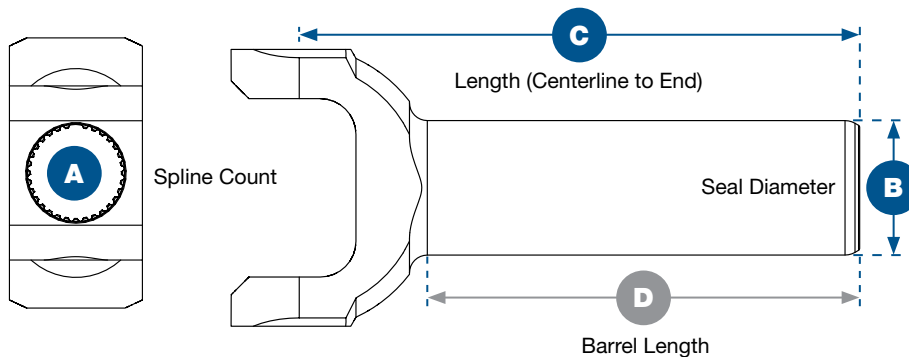
### Identifying U-Joint Series



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

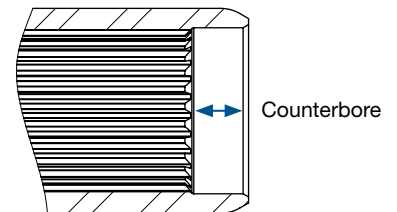
Some slip yokes have missing splines, so always count the splines on the transmission output shaft.



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. Find part details at [www.sonnax.com](http://www.sonnax.com).

### Identifying Spline Type

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



#### SONNAX GENERAL WARRANTY POLICY

Sonnax warrants to the purchaser that each part manufactured or supplied by Sonnax will be free from defects in material or in factory workmanship. The warranty period shall extend for six (6) months from the date of sale. Sonnax must receive all warranty claims before the end of the warranty period.

If Sonnax determines that the part is defective in material or in factory workmanship, Sonnax will, at its option, repair or replace the defective part, or issue an account credit for the purchase price. This remedy is Sonnax's sole liability and the sole remedy provided by Sonnax for any breach of warranty.

All warranty returns must be pre-approved. Please contact Sonnax if you have a part to be returned under this warranty.

This warranty will not cover: Removal and replacement labor costs; Loss of time, inconvenience or other consequential damage; Any Sonnax part that has been: Subject to misuse, negligence; alteration or improper maintenance; Improperly installed in the judgment of Sonnax, so as to adversely affect its performance and reliability.

This warranty is the only warranty applicable to parts manufactured or supplied by Sonnax, and is expressly in lieu of any other warranties, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose. Any representations or descriptions in brochures, ads or catalogs are approximate only and will not create any warranty or other obligation by Sonnax. There are no warranties which extend beyond the description on the face hereof.

Sonnax does not authorize any person to create for it any other obligation or liability in connection with these parts. Sonnax shall not be liable for any incidental or consequential damage, lost profits, lost savings or punitive damages resulting from any breach of warranty.





**STREET ROD/HOT ROD**

	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

**LATE-MODEL MUSCLE CAR**

	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**

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	—