Catalog No.DS245
Weatherly No. 090
2025
Supersedes No. DS245 2023

neapco

THE DRIVELINE EXPERTS

2025 Proven Quality Drivelines



Manufacturing Driveline Solutions® in the USA Since 1921.

NeapcoAftermarket.com

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Over 80 years of driveline products . . . At the click of a mouse.

You have grown to trust Neapco quality and we have made it easier for you to find the products you need for your next job. Whether you are a vehicle owner or one of our distributors, NeapcoParts.com is your one stop shop.

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- Search products by: Type, Dimensions, Keywords, Year, Make and Model
- Order product
- Manage their account
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IMPORTANT INFORMATION

Issue Date 2024
Weatherly No. 090
Catalog DS245

Please read the following important information before using this Catalog:

ALWAYS CONSULT AND REVIEW THE ORIGINAL MANUFACTURERS INSTRUCTION MANUAL(S) TO DETERMINE THE APPROPRIATE INSTALLATION PROCEDURES FOR A PARTICULAR VEHICLE APPLICATION.

FOR THE LATEST INFORMATION ALWAYS REFER TO NeapcoParts.com

IMPORTANT NOTICE

The data listed in this catalog is correct to the best of our knowledge, having been compiled from sources of information which we believe to be reliable. However, we cannot assume any responsibility for possible error. Parts included in this catalog are manufactured for use only in the intended O.E.M. vehicle application(s). Installation and use in a vehicle that has been modified to any degree that is not consistent and equivalent to O.E.M. production specifications for the vehicle application(s) may result in reduced life or possible part failure.

WARRANTY

We warrant to the original purchaser all new parts to be free of defects in material and workmanship for a period of 24 months when such parts are used on applications which have been approved by our Engineering Department, but not against damage caused by negligence or abuse.

Our obligations and liabilities under this Warranty shall be limited to replacing or repairing such parts if found upon inspection by us to be defective.

OUR WARRANTIES ARE STRICTLY LIMITED TO THOSE JUST STATED. WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ALL IMPLIED WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE OR TRADE, BY STATUE OR OTHERWISE ARE HEREBY DISCLAIMED, and in the event of breach of any warranty or any legal action brought by buyer based on alleged negligence or other tortious conduct of us, buyer's sole and exclusive remedy will be replacement of defective material as stated above. WE WILL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES OF ANY KIND. We make no warranty whatsoever with respect to component parts or accessories not supplied by us.

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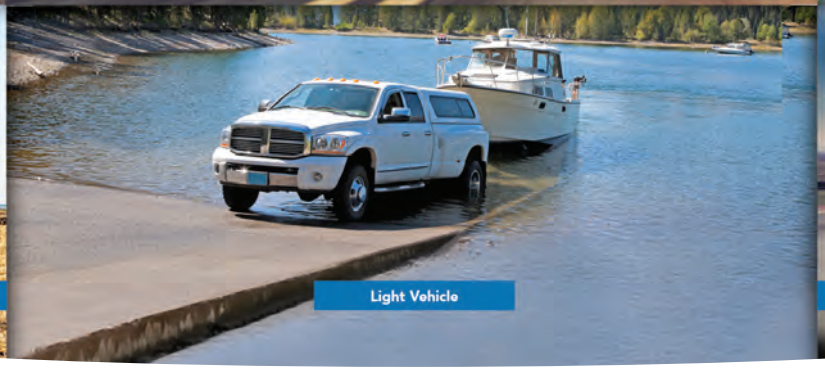
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Off-Road / ATV / UTV


Commercial Vehicle


Industrial


Off-Highway-Ag


Light Vehicle


Performance

Notes

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THE DRIVELINE EXPERTS

Proven Quality Drivelines

Neapco has been manufacturing driveline products for more than 100 years. Founded in 1921 as New England Auto Products Corporation, Neapco has grown to be the largest Tier One driveline supplier in North America. To meet the needs of a growing global marketplace, Neapco has expanded its footprint globally.

Our testing, validation, engineering and design teams have hundreds of years of cumulative driveline expertise. Neapco products range from driveshafts to prop shafts to u-joints and are trusted by the top OEMs for quality, performance, and endurance. Our aftermarket products perform like original equipment products because in many cases they are the original equipment products.



Manufacturing Driveline Solutions® in the USA Since 1921.

NeapcoAftermarket.com

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OEMs Trust Neapco for the First Installation.

OEMs around the world trust Neapco's quality, durability and performance for their vehicles as the original equipment installed at the factories.



You can trust us for the next installation.

You can trust Neapco's quality, durability and performance for all your aftermarket installations too.

NeapcoAftermarket.com

Proven Quality Drivelines

U.S.A. Based Manufacturing Since 1921

Since being founded in 1921, as New England Auto Products Corporation, Neapco has been designing, manufacturing and distributing OEM and related aftermarket drivelines and components. For nearly 100 years, Neapco has been a trusted name in the global automotive market including:

- **Automotive light vehicle**
- **Commercial vehicle**
- **Off-highway**
- **Performance/Enthusiasts**
- **Other specialty applications**



Neapco Genuine
Zerk (grease) fittings for ease lubrication.

Neapco OE Series
Lubricated for life to reduce maintenance costs and vehicle downtime.

Neapco Performance Series
Designed for extended-life performance.

Whether it is the industry leading performance of Neapco Genuine, original equipment specifications and performance of Neapco OE Series, or the extended-life and demanding performance of Neapco Performance Series, our products and people are Driven to Deliver. Count on Neapco Products and People.

- **Trusted OEM supplier**
- **Proven performance**
- **Aftermarket experts**
- **World-class testing and engineering**
- **Data-controlled manufacturing**
- **Industry-leading product coverage and inventories**
- **Unmatched service and support**



Light Vehicles

We are a Tier One supplier with a long history of providing aftermarket driveline systems that are designed, engineered and manufactured to perform like original equipment, because many of our parts are original equipment.

Whether used in daily transportation, fleet service or professional duty, Neapco light-vehicle driveline products and assemblies are made in data-controlled manufacturing facilities in Beatrice, Nebraska and Belleville, Michigan. Our state-of-the-art research and testing facility in Farmington Hills, Michigan insures Neapco provides optimal quality and performance in every part we produce.

Neapco is a major Tier One supplier to many global, light vehicle OEMs, including Ford, GM, FCA, BMW, VW, Mercedes Benz and others.

Typical light vehicles include:

- Passenger cars/SUVs
- Light duty trucks up to Class 3
- Commercial vans
- Electric, Hybrid and alternative fuel vehicles



Our Light Vehicle product portfolio includes:

- Propshafts/Driveshafts
- Driveline components
- Universal joints
- Double cardan assemblies



Commercial Vehicles

Neapco offers aftermarket driveline parts and assemblies you can trust to maximize uptime, and get you where you are going. We provide a full line of fixed-length assemblies and many styles of yokes to interface with other driveline components.

Neapco commercial vehicle products are designed, engineered, and manufactured to meet the application specific demands of each vehicle.

As a global Tier One supplier, Neapco provides precision manufactured products that deliver OEM quality and performance you can trust for the long haul. With our components manufacturing and distribution center based in the heartland of America in Beatrice, NE, and regional distribution centers in Greer, SC and Las Vegas, NV, we have your service parts needs covered from coast to coast.

Typical commercial applications include medium-duty and heavy-duty commercial vehicles, such as:

- Class 8 tractor trailers
- RVs and large motor homes
- Buses
- Fire trucks and emergency vehicles



Our Commercial Vehicle product portfolio includes:

- Propshafts/Driveshafts
- Driveline components
- Universal joints
- Center supports
- Power take-off

INTRODUCING

N350

Neapco OE Series

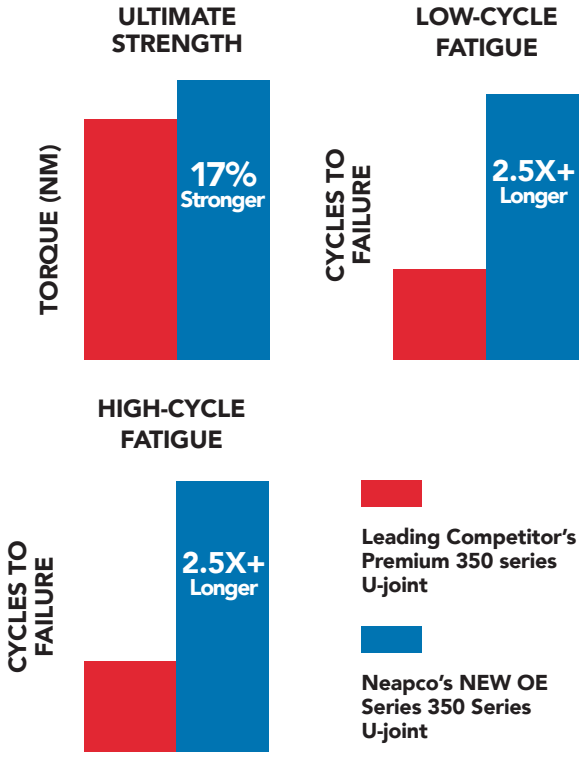
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IN-SHOP, OE-STYLE, PRESS-FIT DESIGN

Designed, Engineered and Manufactured to meet or exceed OE Performance Specifications.

- **HOT FORGED CROSS** heat treated to proprietary levels to provide optimal strength and endurance for the intended, specific application.
- **PRECISION GROUND JOURNALS** provide exceptional strength, durability and load distribution to extend life.
- **PREMIUM SEALING SYSTEM** with needle bearing retainer to keep lube in and environmental contaminants out, while holding needle bearings in optimal position for peak performance and extended life of the joint.
- **PRECISION ENGINEERED, EXTENDED LENGTH NEEDLE BEARINGS** that enhance load distribution and durability for extended life.
- **GLASS IMPREGNATED NYLON THRUST WASHER** eliminates metal to metal contact between the bearings and the cap, to minimize heat and maximize life.
- **PRECISION GROUND BEARING CAP OD** for exact OE press-fit into the yoke.
- **OE-STYLE SNAP RING RETENTION SYSTEM** holds the bearing caps in optimal position for peak performance.





The Best of Both Worlds for SPL® Applications

Neapco OE Series

Part#s 6-0170 and 6-0250

IN-SHOP, OE-STYLE, PRESS-FIT DESIGN

Designed, Engineered and Manufactured to meet or exceed OE Performance Specifications.

- **HOT FORGED CROSS** heat treated to proprietary levels to provide ultimate strength that meets demand.
- **PRECISION GROUND JOURNALS** provide optimal strength, durability and load distribution to extend life.
- **PREMIUM SEALING SYSTEM** with needle bearing retainer keeps lube in and environmental contaminants out, while holding needle bearings in optimal position for premium performance and extended life of the joint.
- **PRECISION ENGINEERED, EXTENDED LENGTH NEEDLE BEARINGS** that enhance load distribution and durability for extended life.
- **GLASS IMPREGNATED NYLON THRUST WASHER** eliminates metal to metal contact between the bearings and the cap, to minimize heat and maximize life.
- **PRECISION GROUND BEARING CAP** OD for optimal OE press-fit into the yoke.
- **PRECISION MADE BEARING CAP INSTALLATION DISKS** to ensure proper bearing cap positioning.
- **OE-STYLE RETENTION TABS** hold the bearing caps in precise location to optimize performance.





Genuine Neapco PlateLock® Design

Part#s 6-1170 and 6-1250

IN-FIELD, NO-TOW, HAND-INSTALL DESIGN

Designed, Engineered and Manufactured to meet or exceed OE Performance Specifications, but with a unique design feature for easy, in-field or roadside installation.

- **HOT FORGED CROSS** heat treated to proprietary levels to provide ultimate strength that meets demand.
- **PRECISION GROUND JOURNALS** provide optimal strength, durability and load distribution to extend life.
- **PREMIUM SEALING SYSTEM** with needle bearing retainer keeps lube in and environmental contaminants out, while holding needle bearings in optimal position for premium performance and extended life of the joint.
- **PRECISION ENGINEERED, EXTENDED LENGTH NEEDLE BEARINGS** enhance load distribution and durability for extended life.
- **GLASS IMPREGNATED NYLON THRUST WASHER** eliminates metal to metal contact between the bearings and the cap, to minimize heat and maximize life.
- **PRECISION GROUND BEARING CAP** OD for hand installation into the yoke.
- **UNIQUE PLATELOCK DESIGN BEARING CAP END AND RETENTION TAB** to lock the cap in an optimal position in the yoke ear.





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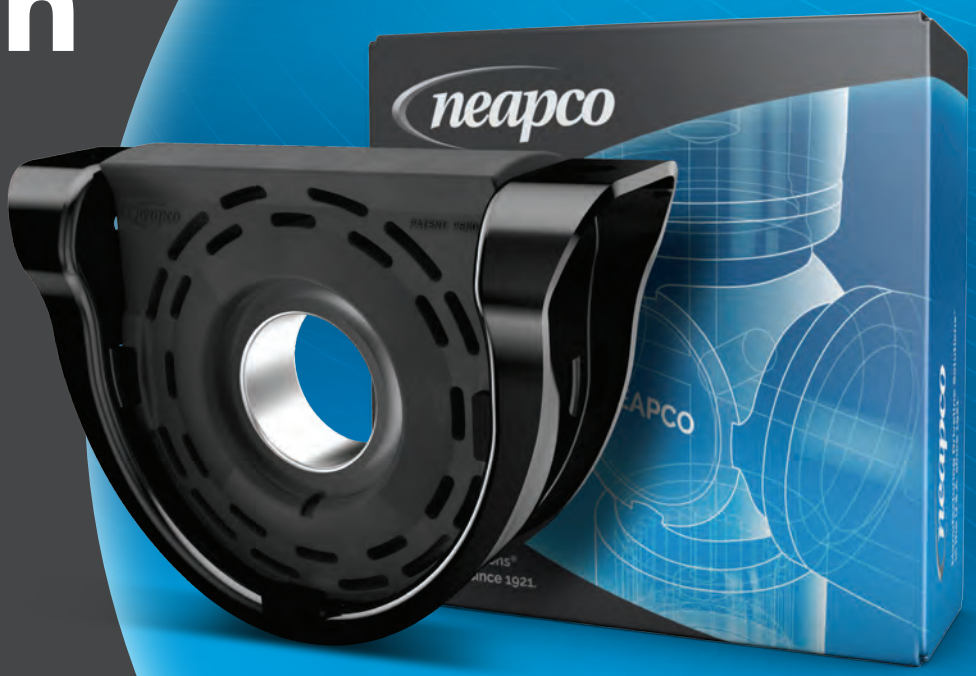
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THE DRIVELINE EXPERTS

NEW ENGLAND AUTO PRODUCTS CORPORATION
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NEW Neapco Rite-Align®

Self Aligning Center Bearing Installation Tips



Manufacturing Driveline Solutions®
in the USA Since 1921.

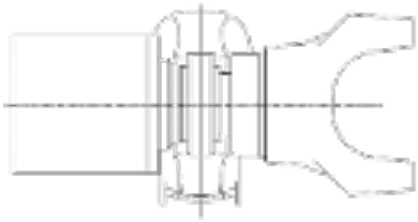
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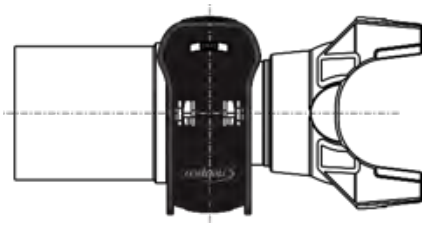
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NEW Neapco Rite-Align®

Self Aligning Center Bearing Installation Tips

Neapco is pleased to announce our new Neapco Rite-Align® Center Bearing. This new innovative center bearing allows for +/- 10 degrees of angularity, to provide optimal alignment to the driveshaft.





Part#: N10094142



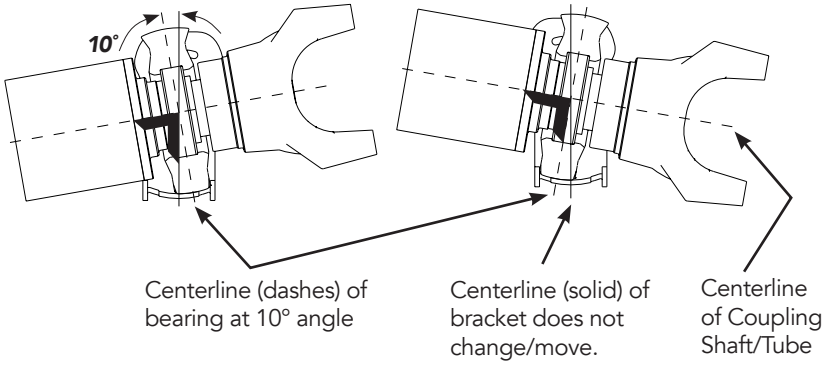
Initial Installation

1. As mentioned and shown above, check to make sure the rubber cushion and bearing are 90-degrees perpendicular to the coupling shaft and tube.

2. Position Center Bearing assembly and install (loosely) the bolts to the appropriate location per specifications (ie the cross member). Do not tighten the bolts, at this time, so as to allow the rubber and bearing to move/adjust freely to the angle of the shaft.

3. Let the driveshaft then move to its natural neutral position. This is when the rubber and bearing will move inside the bracket (up to /- 10 degrees) to align with the shaft. But make sure the rubber and bearing maintain their 90-degree orientation with the coupling shaft/tube.

NOTE: In the illustrations to the right, please note the rubber cushion and bearing, as a whole, move +/- 10 degrees, from the centerline of the bracket, which never moves, but the cushion and bearing remain perpendicular (90 degrees) to the centerline of the coupling shaft/tube.



4. Then tighten (to specification) the bolts to the specified mounting area while also making sure the rubber cushion and bearing maintain their 90-degrees orientation to the coupling shaft/ tube.

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THE DRIVELINE EXPERTS

NEW ENGLAND AUTO PRODUCTS CORPORATION
GENUINE neapco U.S.A.
SINCE 1921

ShaftSwap®

Interaxle Driveshafts

- Made in the USA



MADE IN THE USA

Manufacturing Driveline Solutions®
in the USA Since 1921.

NeapcoAftermarket.com

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ShaftSwap®

Interaxle Driveshafts



Neapco ShaftSwap® interaxle driveshafts for 1710 driveline series applications are a quick, easy, and profitable installation option for customers in need of a new interaxle driveshaft.

Designed, engineered, and manufactured to industry OEM standards, Neapco ShaftSwap interaxle driveshafts are an economic alternative to stocking multiple Interaxle driveshaft assemblies. With just five part numbers Neapco ShaftSwap interaxle shafts cover 134 OE part number applications, and they are built in Beatrice, NE, U.S.A.

Product features, advantages, and benefits include:

- High-angle yokes allow for up to 45 degree angles.
- Thick wall DOM tubing (4.095 X .180) for enhanced strength and durability.
- Improves customer satisfaction by minimizing downtime in the shop. No need to wait for the shaft to be built.
- Maximizes service bay efficiency thus maximizing shop revenue and profits.
- Minimizes SKU proliferation. Only five part numbers.
- Optimizes driveshaft shop efficiencies. Less time spent on small shafts, more time spent on big shafts.
- Genuine Neapco product Made in the U.S.A.



Style 1



Style 2

STYLE	PART#	SERIES	ADDITIONAL DETAILS
1	N1710IA-1722HR	1710	Allows for 5.5" travel 17.22" collapsed length to 22.72" extended length
1	N1710IA-1825HR	1710	Allows for 5.5" travel 18.25" collapsed length to 23.75" extended length
2	N1710IA-2028HR	1710	Allows for 5.0" travel 20.28" collapsed length to 25.28" extended length Includes 2.5" of 4.095" x .180 tube welded to stub shaft and weld yoke
2	N1710IA-2200HR	1710	Allows for 5.0" travel 22.00" collapsed length to 27.00" extended length Includes 4.25" of 4.095" x .180 tube welded to stub shaft and weld yoke
2	N1710IA-2400HR	1710	Allows for 5.0" travel 24.00" collapsed length to 29.00" extended length Includes 6.25" of 4.095" x .180 tube welded to stub shaft and weld yoke

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Off-Highway Vehicles

Neapco offers an extensive line of aftermarket products designed, engineered and manufactured to meet the demanding needs of the off-highway industry. Since 1950, we have specialized in producing driveline products for the following applications:

Typical off-highway applications include:

- Agriculture
- Construction
- Forestry
- Material handling
- Mining

We are an OEM supplier to many off-highway equipment manufacturers, including CNH, John Deere, AgCo, and others.



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THE DRIVELINE EXPERTS

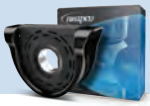
ATTENTION: PLEASE READ
Date: 8/8/2024 Bulletin #: Bul-Prod-0824-039

Portfolio Expansion for N90/N100 Series Applications



Neapco is pleased to announce the expansion of our offering for N90/N100 series products. Neapco N90/N100 series components are designed, engineered, and manufactured to industry OEM standards. Commonly used in class 5 and class 6 vehicles, like buses, beverage delivery trucks, large step-in trucks, and box trucks, Neapco's complete line of N90/N100 series driveline components provide the consistent high-quality and durability those vehicles demand.

EXPANDED PORTFOLIO NOW INCLUDES: ***NEW***

Neapco Part Number	Description		Product Features Advantages and Benefits
N212146X	Boot		Santoprene® Boot - For temperature, chemical, and abrasion resistance. 4" x .095 Tube 84"
N212142-1X N212261-1X	Center Bearing Center Bearing		Center Bearings - With application-specific rubber cushion design to maximize durability and optimize life.
N100-28-27 N100-4-931-1 N100-28-17 N90-28-27	Weld Yoke Half-Round For 4" x .095 Tube End Yoke Half-Round Weld Yoke Full-Round For 4" x .095 Tube Weld Yoke Full-Round For 4" x .134 Tube		Weld Yokes /End Yokes - Forged from high-quality steel, quenched, and tempered for optimal strength / durability.
N100-3-41X N90-3-21X N90-3-41X	Slip Yoke Slip Yoke Slip Yoke		Slip Yokes - High-quality ductile iron casting, pre-balanced for peak performance and easier driveshaft balancing.
N100-40-41X N90-40-11 N100-53-21 N90-53-21 N100-53-31 N5-53-271	Slip Stub Shaft For 4" x .095 Tube Slip Stub Shaft For 4" x .134 Tube Mid Ship Stub For 4" x .095 Tube Mid Ship Stub For 4" x .095 Tube Mid Ship Stub For 4" x .095 Tube Mid Ship Stub For 4" x .134 Tube		Slip Stub Shafts and Mid Ship Stubs - Forged and heat treated to precise levels for optimal performance / durability.
4-1090 N90-70-28X	U-joint Strap Kit		U-joint and Strap Kit - Application Specific Engineered to provide optimal strength and durability.
ND32-30-12-62 ND32-30-12-84 N32-30-52-62 N32-30-52-84	4" x .095 Tube 62" 4" x .095 Tube 84" 4" x .134 Tube 62" 4" x .134 Tube 84"		DOM and Seamed Tube Options - All pre-straightened within .005" which makes the driveshaft build more efficient in your shop. **NOTE:** Tube selection is always vital. Neapco recommends NOT using 4.095" x .0180" DOM tubing for this driveline series.

To learn more about Neapco brand products visit www.NeapcoAftermarket.com and NeapcoParts.com. Contact your Neapco sales representative with any additional questions regarding this outstanding new product line expansion.

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neapco
PERFORMANCE SERIES

BEAST MODE
STRENGTH & ENDURANCE

NEAPCO PERFORMANCE SERIES DOMINATES THE COMPETITION



Made in the U.S.A.

ULTIMATE STRENGTH
(pure brute strength)

LOW-CYCLE FATIGUE
(off-road & racing endurance)

HIGH-CYCLE FATIGUE
(everyday use & towing endurance)



WE OUTPERFORM OUR COMPETITION, SO YOU CAN OUTPERFORM YOURS!



Performance/Enthusiast

Neapco Performance Series™ driveline products are the choice of some of the most recognized names in the racing and off-road industries. Our industry-leading Performance Series products are custom designed, engineered, and manufactured to meet the application demands for the environments where they live. Trust Neapco's application specific designs to provide optimal performance and the confidence you need to get you where you are going.

Typical performance applications include:

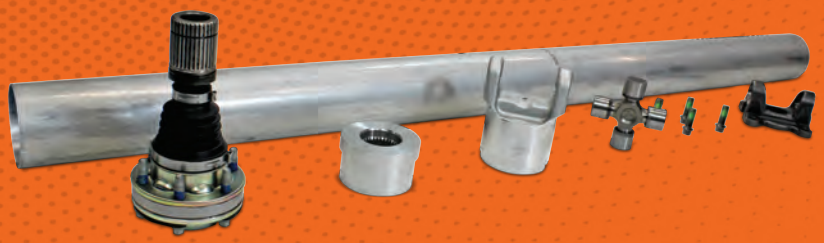
- 4x4 Off-road
- Circle track racing
- Drag racing
- ATVs/UTVs
- Street rods
  - MUSTANG DRIVE SHAFT KITS







neapco PERFORMANCE SERIES



New Neapco Performance Series High-Speed Constant Velocity (HSCV) Aluminum Driveshaft Kits for Ford Mustang® Applications

(GT, Shelby, GT350, EcoBoost)



Neapco Performance Series aluminum driveshaft kits for Ford Mustang applications are designed, engineered, and manufactured with the highest-quality materials, to provide optimal features, advantages, and benefits that meet the application-specific demands of the vehicle:

- 3.5" X .125" X 54" 6061-T6 aluminum tube.
  – Driveshaft tube length must be sized to vehicle application prior to final assembly.
- 6061-T6 1350 series weld yoke for .125" wall tubing.
- Direct bolt up 1350 series steel transmission flange yoke.
- High-Speed Constant Velocity Joint rear differential connection:
  – 32.5mm of plunge at 0°. (On select part numbers)
  – Performance stub shaft made from heat treated 4140 steel alloy.
  – Reduced NVH (noise, vibration, and harshness).
- Neapco Performance 6061-T6 1350 Series yoke-shaft kit with nylon coated spline and Neapco Performance Series PTFE grease to reduce plunge force during load.
  (On select part numbers w/ fixed HSCV joint)
- Neapco Performance Series 1350 u-joints - proven to outperform the leading competitor.
- Mounting hardware included w/thread locker pre-applied.
- Reduction in overall weight and rotating mass.
  – Up to 18lbs lighter than a two-piece OE steel driveshaft.
  – Improved acceleration and throttle response.
- Designed to handle increased torque load.
- Direct bolt up to OE transmission and rear differential flanges. No adapters required.

Neapco Part Number	Year (Range)	Make	Application (Model)	Series	Short Description
PK-0510GT-HSCV-AL	2005-2010	Ford	Mustang GT - Auto/Manual	1350	Performance Aluminum HSCV Driveshaft Kit (3.5" Diameter)
PK-1114GT-HSCV-AL	2011-2014		Mustang GT - Auto/Manual		
PK-1517GTM-HSCV-AL	2015-2017		Mustang GT - Manual		
PK-1520GT350-HSCV-AL	2015-2020		Shelby GT350		
PK-1522GTA-HSCV-AL	2015-2023		Mustang GT - Auto		
PK-1822GTM-HSCV-AL	2018-2023		Mustang GT Manual		
	2015-2023		Mustang EcoBoost - Manual		
	2015-2017		Mustang EcoBoost - Auto		

BEAST MODE
STRENGTH & ENDURANCE

Interactive Online Catalog: NeapcoParts.com

neapco PERFORMANCE SERIES



Neapco Performance Series Aluminum Driveshaft Kits for Ford Mustang® Applications

(GT, Shelby, GT350, EcoBoost)

These new Neapco kits include all the components and hardware needed to build a complete driveshaft, and are designed, engineered, and manufactured with the highest-quality materials, to provide optimal performance and OE fit-up for easy installation

- 3.5" X .125" X 54" 6061-T6 aluminium tube.
  – Driveshaft tube length must be sized to vehicle application prior to final assembly.
- 6061-T6 weld yokes for .125" wall tubing.
- Steel transmission and differential flange yokes.
- Neapco Performance 6061-T6 yoke-shaft kit with nylon coated spline and Neapco Performance Series PTFE grease to reduce plunge force during load.
- Neapco Performance Series 1350 u-joints, proven to outperform the leading competitor.
- Mounting hardware included.
- Reduction in overall weight and rotating mass.
  – Up to 18lbs lighter than two-piece OE steel driveshaft.
  – Improved acceleration and throttle response.
- Direct bolt up to OE transmission and rear differential flanges. No adapters required.

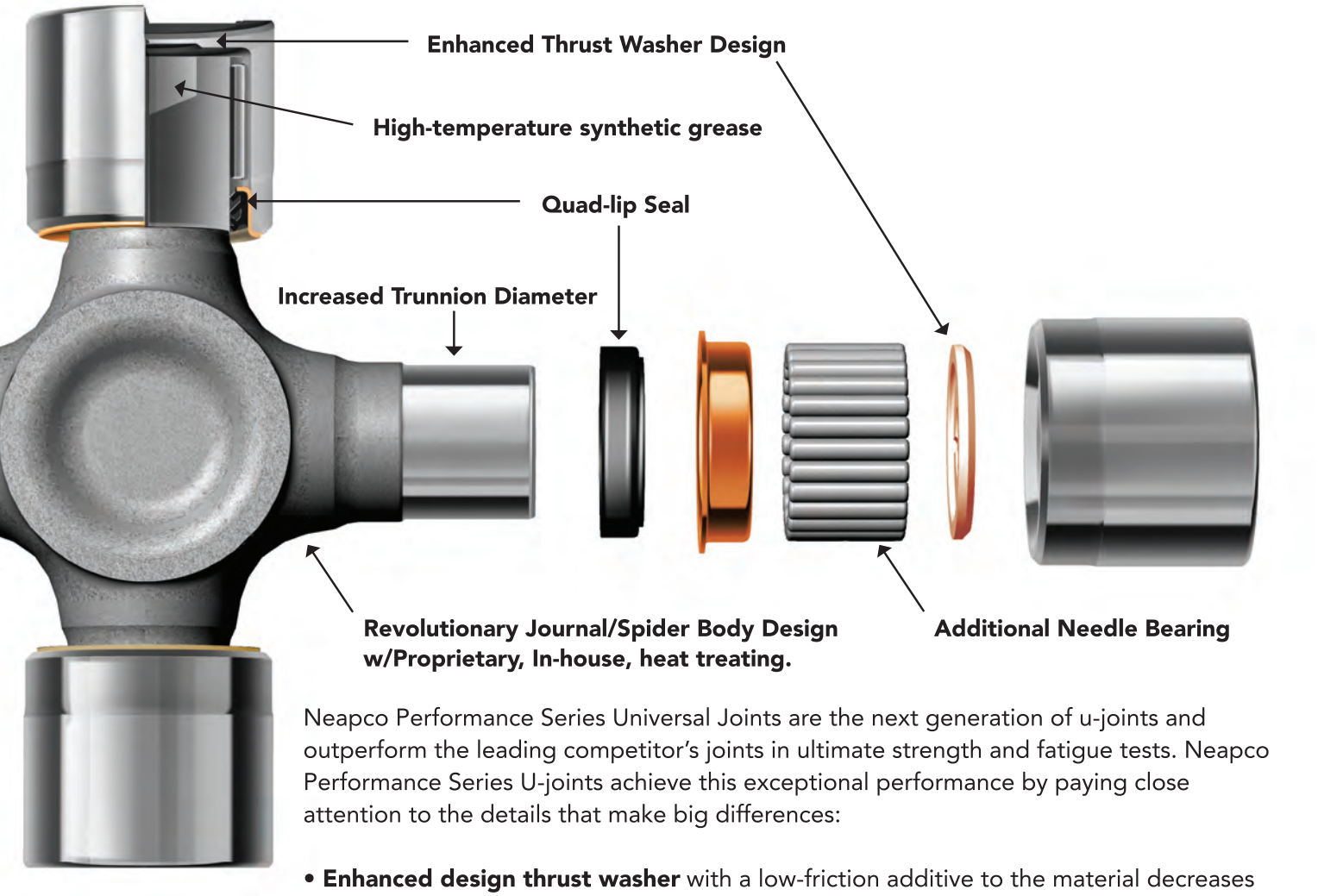


Neapco Part Number	Year (Range)	Make	Application (Model)	Series	Short Description
PK-0510GT-AL	2005-2010	Ford	Mustang GT - Auto/Manual	1350	Performance Aluminum Driveshaft Kit (3.5" Diameter)
PK-1114GT-AL	2011-2014		Mustang GT - Auto/Manual		
PK-1517GTM-AL	2015-2017		Mustang GT - Manual		
PK-1520GT350-AL	2015-2020		Shelby GT350		
PK-1522-GTA-AL	2015-2023		Mustang GT - Auto		
PK-1822GTM-AL	2018-2023		Mustang GT Manual		
	2015-2023		Mustang EcoBoost - Manual		
	2015-2017		Mustang EcoBoost - Auto		

Interactive Online Catalog: NeapcoParts.com

BEAST MODE STRENGTH & ENDURANCE

Neapco® Performance Series Universal Joints



Neapco Performance Series Universal Joints are the next generation of u-joints and outperform the leading competitor's joints in ultimate strength and fatigue tests. Neapco Performance Series U-joints achieve this exceptional performance by paying close attention to the details that make big differences:

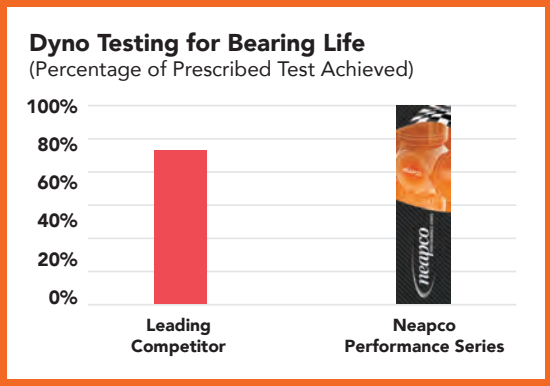
- **Enhanced design thrust washer** with a low-friction additive to the material decreases stick-slip and provides lower heat generation, friction, and wear due to new geometry.
- **Increased trunnion diameter** for optimum strength. The addition of a needle bearing and a reduction in grease reservoir depth increases the overall strength and improves stress distribution along the trunnion.
- **A quad-lip seal** prevents grease purging and outside contaminants from entering the u-joints.
- **Revolutionary Journal /Spider Body Design** is re-engineered to provide smoother transitions, ultimately decreasing stress risers throughout the u-joint while the proprietary, in-house heat treating provides Beast Mode strength and durability in all the right places.
- **Neapco Performance Series Ultra-Performance Synthetic U-Joint Grease** provides superior durability, greater water resistance, and is stable across a wide range of temperatures.



The Difference is Clear!

After rigorous head-to-head testing between a Neapco Performance Series U-joint and a Leading Competitor, Neapco lived to see another day. The leading competitor did ***NOT.***

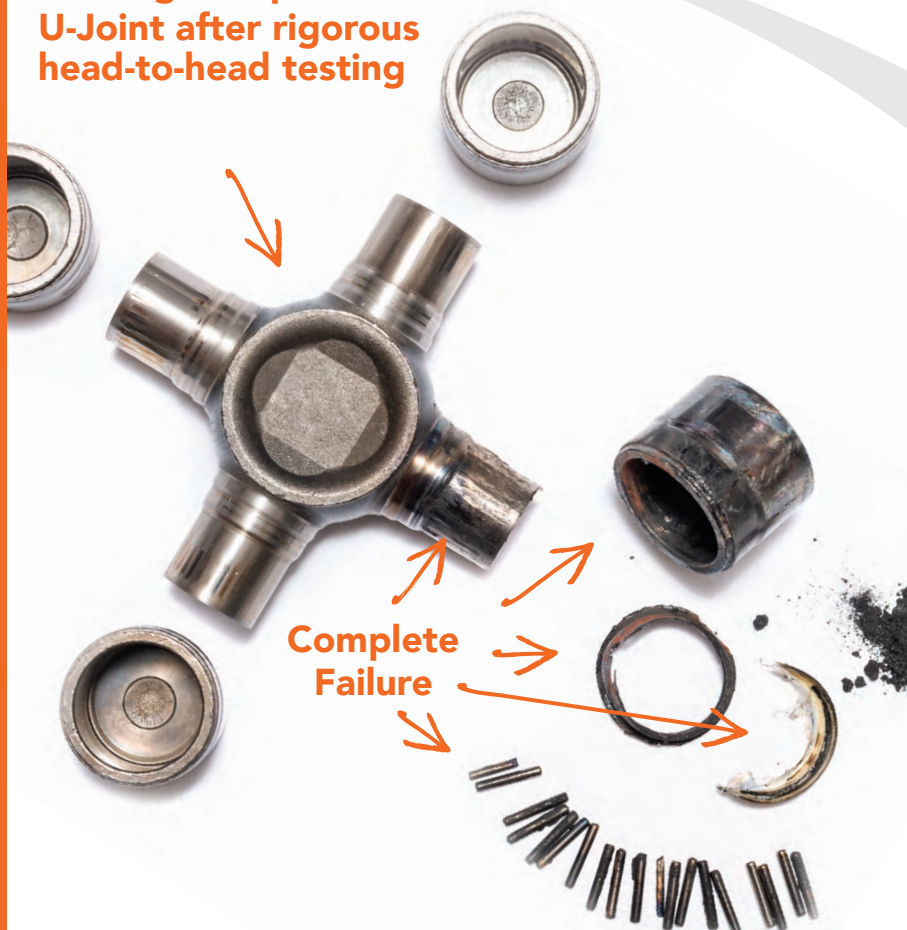
See for yourself.



Neapco® Performance Series U-Joint after rigorous head-to-head testing



Leading Competitor U-Joint after rigorous head-to-head testing

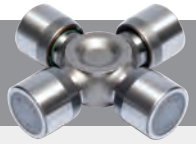


Trust Neapco -

We Outperform the Leading Competitor in Every Series Tested. The Numbers Don't Lie!

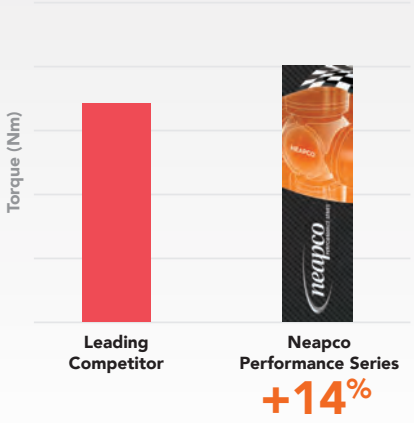
– Ultimate Strength (pure brute strength)
– Low-Cycle Fatigue (off-road & racing endurance)
– High-Cycle Fatigue (everyday use and towing endurance)

Test – 1310



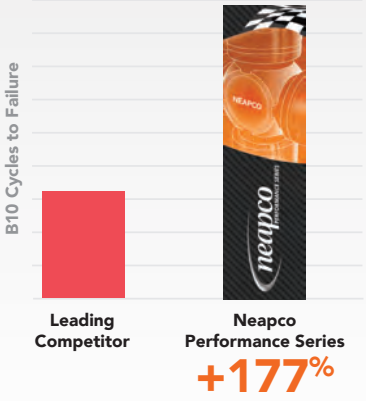
Neapco Part# 1-0153P

Ultimate Strength Comparison (B10)



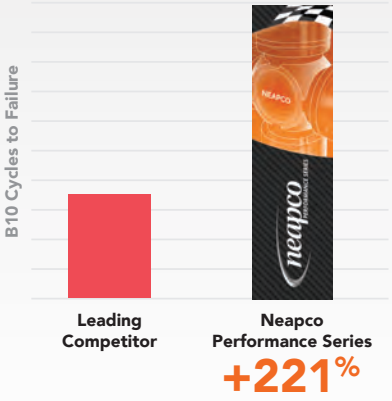
+14%

Low-Cycle Fatigue Comparison



+177%

High-Cycle Fatigue Comparison



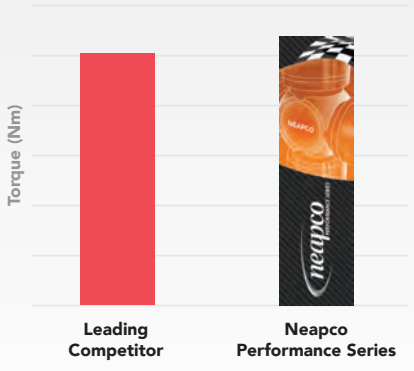
+221%

Test – 1330



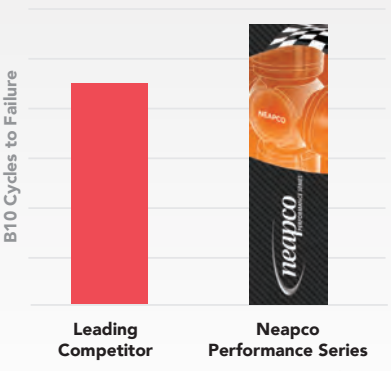
Neapco Part# 2-4800P

Ultimate Strength Comparison (B10)



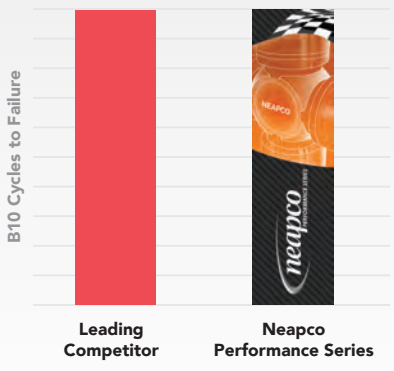
+7%

Low-Cycle Fatigue Comparison



+26%

High-Cycle Fatigue Comparison



Even

Neapco Performance Series Universal Joints are Made in the U.S.A and are immediately available in the following series and conversions: 1310=Part# 1-0153P; 1330=Part# 2-4800P; 1350=Part#2-0053P; 1410=Part# 2-0054; 3R=Part# 2-3011P; 7290=Part# 2-1175P; 1330/3R=Part# 2-1569P; 1330/7290=Part# 2-0355P; P55-55-675=Part# 2-4900P ***1480 and 1550 Series NOW AVAILABLE!***

Trust Neapco -

We Outperform the Leading Competitor in Every Series Tested. The Numbers Don't Lie!

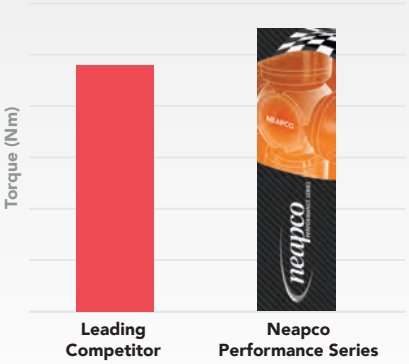
– Ultimate Strength (pure brute strength)
– Low-Cycle Fatigue (off-road & racing endurance)
– High-Cycle Fatigue (everyday use and towing endurance)

Test – 1350



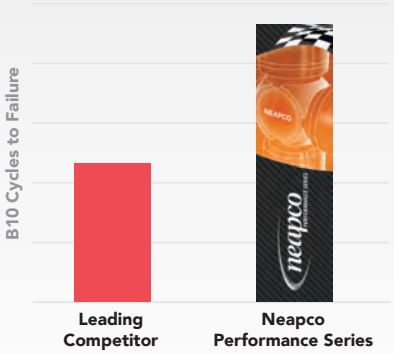
Neapco Part# 2-0053P

Ultimate Strength Comparison (B10)



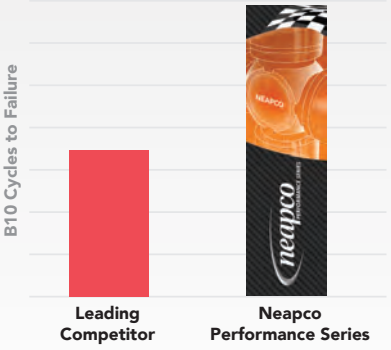
+10%

Low-Cycle Fatigue Comparison



+99%

High-Cycle Fatigue Comparison



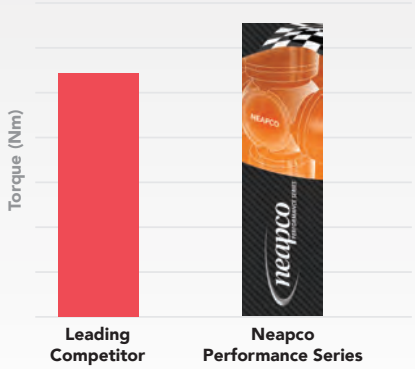
+97%

Test – 1410



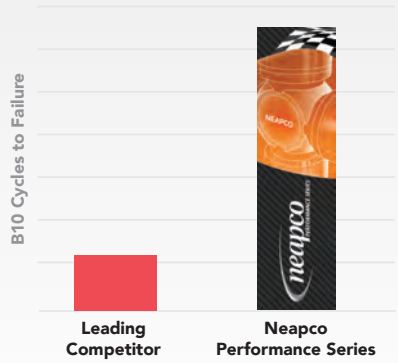
Neapco Part# 2-0054P

Ultimate Strength Comparison (B10)



+20%

Low-Cycle Fatigue Comparison



>3X+

High-Cycle Fatigue Comparison



>3X+

Neapco Performance Series Universal Joints are Made in the U.S.A and are immediately available in the following series and conversions: 1310=Part# 1-0153P; 1330=Part# 2-4800P; 1350=Part#2-0053P; 1410=Part# 2-0054; 3R=Part# 2-3011P; 7290=Part# 2-1175P; 1330/3R=Part# 2-1569P; 1330/7290=Part# 2-0355P; P55-55-675=Part# 2-4900P ***1480 and 1550 Series NOW AVAILABLE!***



Proven quality drivelines

U.S.A. Based Manufacturer Since 1921

Since being founded in 1921, as New England Auto Products Corporation, Neapco has been designing, manufacturing and distributing OEM and related aftermarket drivelines and components. For nearly 100 years, Neapco has been a trusted name in the global automotive market including:

- Automotive light vehicle
- Commercial vehicle
- Off-highway
- Performance/Enthusiasts
- Other speciality applications

Neapco Products are OE Products

From our engineering and design teams to our testing, validation, sales and marketing teams, Neapco products are backed by hundreds of years of cumulative driveline expertise. Our products perform like original equipment, because they are original equipment on many leading platforms.

Neapco prides itself on providing built in service solutions such as:

- **PlateLock™** universal joints featuring the exclusive slip fit dual-plane retainer system, making it easier to service in the field
- **CheckValve™** which helps insure grease remains in the bearing cups when the u-joint is serviced
- **Fully Balanced** – unlike other manufacturers, Neapco components are fully balanced to make assembly and final balancing easier and more efficient



neapco

THE DRIVELINE EXPERTS

SECTION

1

Companion Flange

Standard Flange

Large Flance

Flange Adapter



Manufacturing Driveline Solutions®
in the USA Since 1921.

NeapcoAftermarket.com

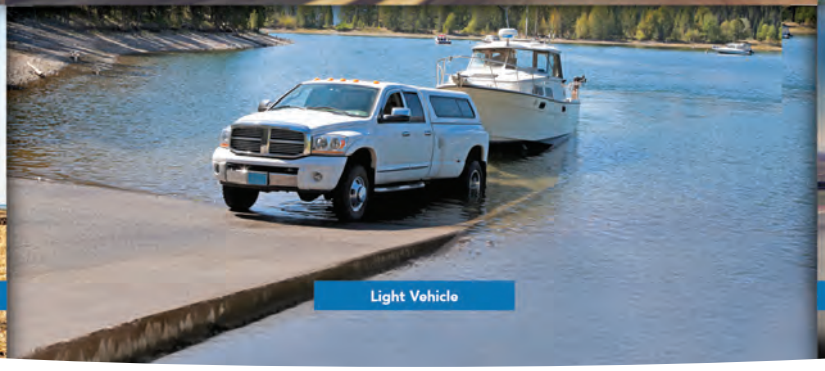
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Off-Road / ATV / UTV


Commercial Vehicle


Industrial


Off-Highway-Ag

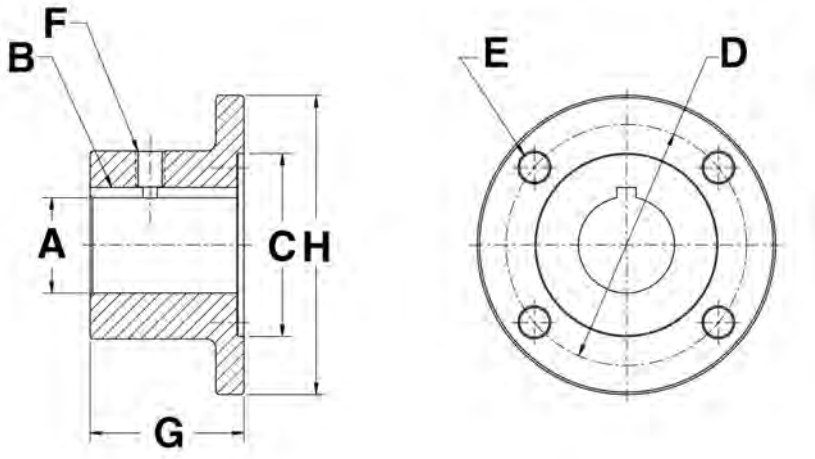

Light Vehicle


Performance

Notes

COMPANION FLANGE

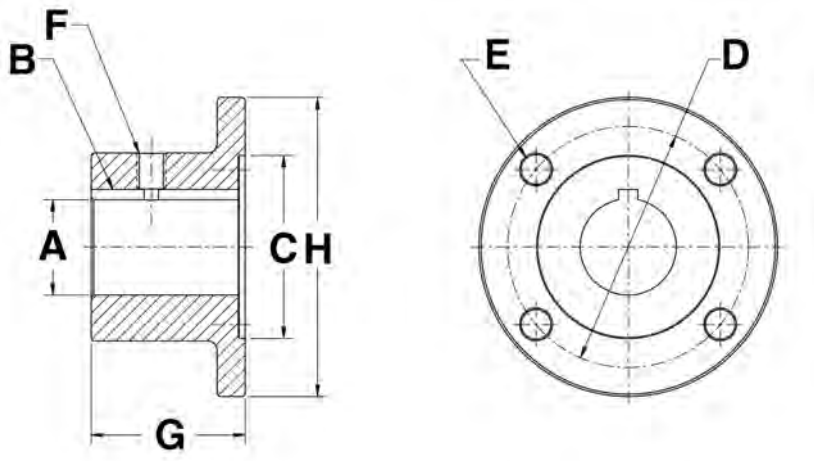
STANDARD FLANGE



DL Series	A Bore Dia.	Bore Dia. (max)	B Keyway	Keyway (max)	C Pilot Dia.	D Bolt Circle	E Hole/Thread Size	Holes/Bolts	F Set Screw Hole Size	G Overall Length	H Outside Dia.	Part Number
1000 Series (Mating Flange Yoke 10-0229)												
1000	1.125	***	0.250	***	2.250	2.750	0.328	4	3/8-16	2.125	3.500	N10-1-1022-2
1000	1.250	***	0.312	***	2.250	2.750	0.328	4	3/8-16	2.125	3.500	N1-1-273
1310 Series (Mating Flange Yoke N2-2-329: use bolt kit N131F)												
1310	0.750	1.688	***	0.375	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313
1310	1.000	***	0.250	0.253	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-1
1310	1.125	***	0.250	0.253	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-2
1310	1.250	***	0.250	0.253	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-3
1310	1.250	***	0.312	0.315	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-4
1310	1.375	***	0.312	0.315	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-5
1310	1.375	***	0.375	0.378	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-6
1310	1.438	***	0.375	0.378	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-7
1310	1.500	***	0.375	0.378	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-8
1310	1.625	***	0.375	0.378	2.375	3.125	0.391	4	3/8-16	2.000	3.875	N2-1-1313-9
1350-1410 Series (Mating Flange Yoke 1350: N3-2-119 1410: N3-2-159: use bolt kit N135F)												
1350-1410	1.000	7.875	***	0.500	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013
1350-1410	1.000	***	0.250	0.253	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-1
1350-1410	1.125	***	0.250	0.253	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-2
1350-1410	1.250	***	0.250	0.253	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-3
1350-1410	1.250	***	0.312	0.315	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-4
1350-1410	1.375	***	0.312	0.315	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-5
1350-1410	1.375	***	0.375	0.378	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-6
1350-1410	1.438	***	0.375	0.378	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-7
1350-1410	1.500	***	0.375	0.378	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-8
1350-1410	1.625	***	0.375	0.378	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-9
1350-1410	1.750	***	0.375	0.378	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-10
1350-1410	1.875	***	0.375	0.378	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-11
1350-1410	1.875	***	0.500	0.503	2.750	3.750	0.454	4	3/8-16	2.000	4.562	N3-1-1013-12

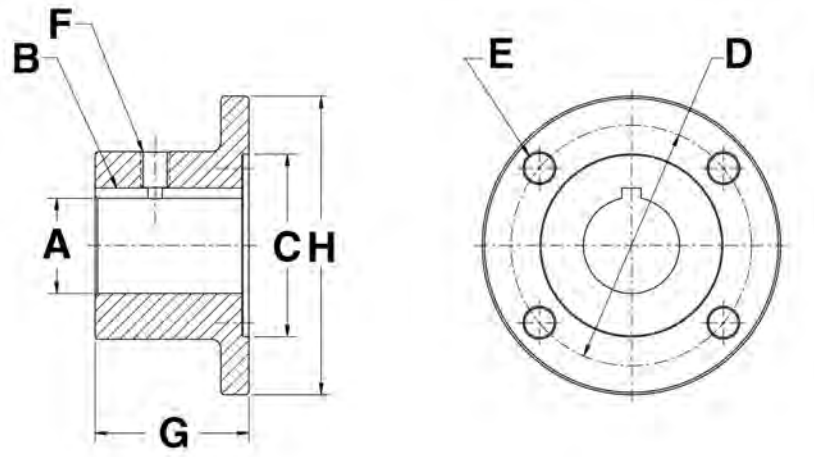
COMPANION FLANGE

STANDARD FLANGE (Cont'd)



DL Series	A Bore Dia.	Bore Dia. (max)	B Keyway	Keyway (max)	C Pilot Dia.	D Bolt Circle	E Hole/Thread Size	Holes/Bolts	F Set Screw Hole Size	G Overall Length	H Outside Dia.	Part Number
1480-1550 Series (Mating Flange Yoke 1480: N3-2-479 1550 : N4-2-669: use bolt kit N148F)												
1480-1550	1.250	2.438	***	***	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133
1480-1550	1.500	***	0.375	***	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-1
1480-1550	1.625	***	0.375	0.378	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-2
1480-1550	1.750	***	0.375	0.378	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-3
1480-1550	1.875	***	0.375	0.378	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-4
1480-1550	1.875	***	0.500	0.503	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-5
1480-1550	2.000	***	0.500	0.503	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-6
1480-1550	2.125	***	0.500	0.503	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-7
1480-1550	2.250	***	0.500	0.503	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-13
1480-1550	2.250	***	0.625	0.628	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-8
1480-1550	2.375	***	0.625	0.628	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-9
1480-1550	2.438	***	0.625	0.628	3.750	4.750	0.516	4	1/2-13	2.500	5.875	N4-1-1133-10
1610 Series (Mating Flange Yoke N5-2-279: use bolt kit N161F)												
1610	1.250	3.000	***	0.750	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873
1610	2.000	***	0.500	0.503	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873-1
1610	2.250	***	0.625	0.628	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873-3
1610	2.375	***	0.625	0.628	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873-4
1610	2.438	***	0.625	0.628	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873-5
1610	2.500	***	0.625	0.628	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873-6
1610	2.750	***	0.625	0.628	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873-7
1610	2.938	***	0.750	0.753	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873-8
1610	3.000	***	0.750	0.753	6.625	6.125	0.391	8	1/2-13	3.500	6.875	N5-1-873-9

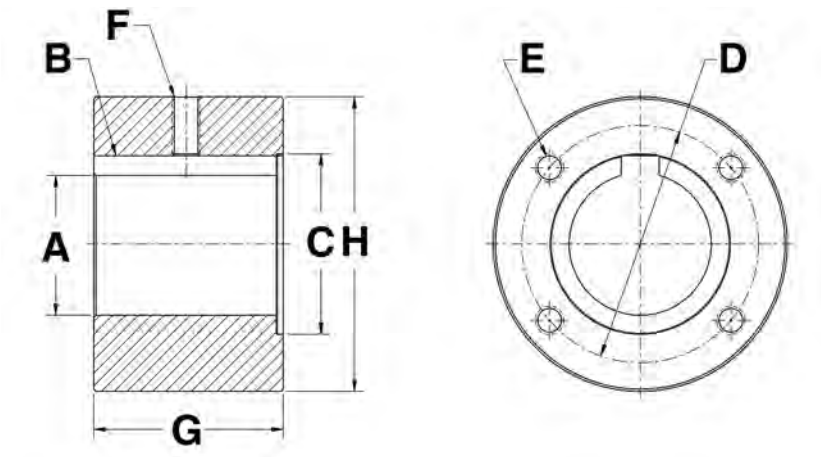
STANDARD FLANGE (Cont'd)



DL Series	A Bore Dia.	Bore Dia. (max)	B Keyway	Keyway (max)	C Pilot Dia.	D Bolt Circle	E Hole/Thread Size	Holes/Bolts	F Set Screw Hole Size	G Overall Length	H Outside Dia.	Part Number
1710 Series (Mating Flange Yoke N6-2-749)												
1710	1.250	4.000	***	1.000	7.750	7.250	0.391	8	***	4.000	8.000	N6-1-1253
1710	2.000	***	0.500	0.503	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-9
1710	2.125	***	0.500	0.503	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-10
1710	2.250	***	0.625	0.628	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-11
1710	2.375	***	0.625	0.628	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-12
1710	2.438	***	0.625	0.628	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-1
1710	2.500	***	0.625	0.628	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-2
1710	2.750	***	0.625	0.628	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-3
1710	2.938	***	0.750	0.753	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-4
1710	3.000	***	0.750	0.753	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-5
1710	3.500	***	0.875	0.878	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-6
1710	3.938	***	1.000	1.003	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-7
1710	4.000	***	1.000	1.003	7.750	7.250	0.391	8	1/2-13	4.000	8.000	N6-1-1253-8
1810 Series (Mating Flange Yoke N6.5-2-329)												
1810	1.250	4.000	***	1.000	7.750	7.250	0.545	12	1/2-13	4.000	8.000	N6.5-1-533
1810	2.438	***	0.625	0.628	7.750	7.250	0.454	12	1/2-13	4.000	8.000	N6.5-1-533-1
1810	2.500	***	0.625	0.628	7.750	7.250	0.454	12	1/2-13	4.000	8.000	N6.5-1-533-2
1810	2.750	***	0.625	0.628	7.750	7.250	0.454	12	1/2-13	4.000	8.000	N6.5-1-533-3
1810	2.938	***	0.750	0.753	7.750	7.250	0.454	12	1/2-13	4.000	8.000	N6.5-1-533-4
1810	3.000	***	0.750	0.753	7.750	7.250	0.454	12	1/2-13	4.000	8.000	N6.5-1-533-5
1810	3.500	***	0.875	0.878	7.750	7.250	0.454	12	1/2-13	4.000	8.000	N6.5-1-533-6
1810	3.938	***	1.000	1.003	7.750	7.250	0.454	12	1/2-13	4.000	8.000	N6.5-1-533-7
1810	4.000	***	1.000	1.003	7.750	7.250	0.454	12	1/2-13	4.000	8.000	N6.5-1-533-8

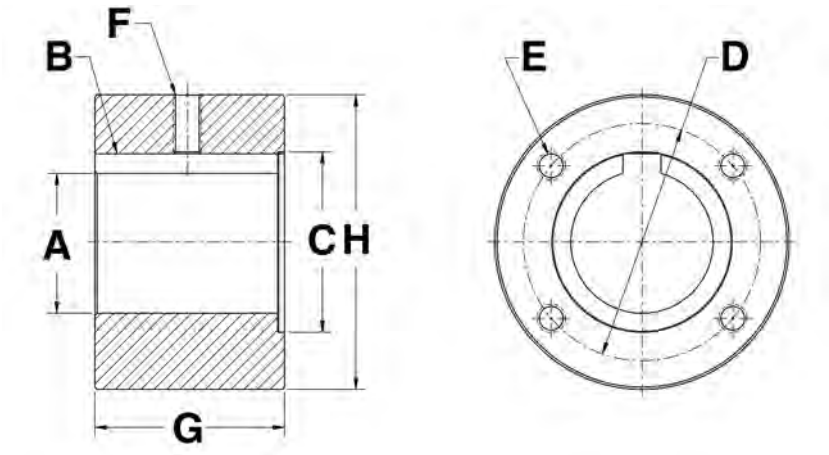
COMPANION FLANGE

LARGE FLANGE



DL Series	A Bore Dia.	Bore Dia. (max)	B Keyway	Keyway (max)	C Pilot Dia.	D Bolt Circle	E Hole/Threa Size	Holes/Bolts	F Set Screw Hole Size	G Overall Length	H Outside Dia.	Part Number
1310 Series (Mating Flange Yoke N2-2-329)												
1310	1.375	2.375	***	0.625	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323
1310	1.750	***	0.375	0.378	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323-1
1310	1.875	***	0.375	0.378	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323-2
1310	1.875	***	0.500	0.503	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323-3
1310	2.000	***	0.500	0.503	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323-4
1310	2.125	***	0.500	0.503	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323-5
1310	2.250	***	0.625	0.628	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323-6
1310	2.250	***	0.500	0.503	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323-8
1310	2.375	***	0.625	0.628	2.375	3.125	3/8-24	4	3/8-16	2.500	3.875	N2-1-1323-7
1350-1410 Series (Mating Flange Yoke 1350: N3-2-119 1410: N3-2-159)												
1350-1410	1.750	3.000	***	0.750	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023
1350-1410	2.000	***	0.500	0.503	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023-1
1350-1410	2.125	***	0.500	0.503	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023-2
1350-1410	2.250	***	0.500	0.503	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023-10
1350-1410	2.250	***	0.625	0.628	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023-3
1350-1410	2.375	***	0.625	0.628	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023-4
1350-1410	2.438	***	0.625	0.628	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023-5
1350-1410	2.500	***	0.625	0.628	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023-6
1350-1410	2.751	***	0.625	0.628	2.750	3.750	7/16-20	4	3/8-16	3.000	4.562	N3-1-1023-7
1480-1550 Series (Mating Flange Yoke 1480: N3-2-479 1550 : N4-2-669)												
1480-1550	2.375	3.750	***	1.000	3.750	4.750	1/2-20	4	1/2-13	3.000	5.875	N4-1-1143
1480-1550	2.500	***	0.625	0.628	3.750	4.750	1/2-20	4	1/2-13	3.000	5.875	N4-1-1143-1
1480-1550	2.750	***	0.625	0.628	3.750	4.750	1/2-20	4	1/2-13	3.000	5.875	N4-1-1143-2
1480-1550	2.938	***	0.750	0.753	3.750	4.750	1/2-20	4	1/2-13	3.000	5.875	N4-1-1143-3
1480-1550	3.000	***	0.750	0.753	3.750	4.750	1/2-20	4	1/2-13	3.000	5.875	N4-1-1143-4
1480-1550	3.500	***	0.875	0.878	3.750	4.750	1/2-20	4	1/2-13	3.000	5.875	N4-1-1143-5

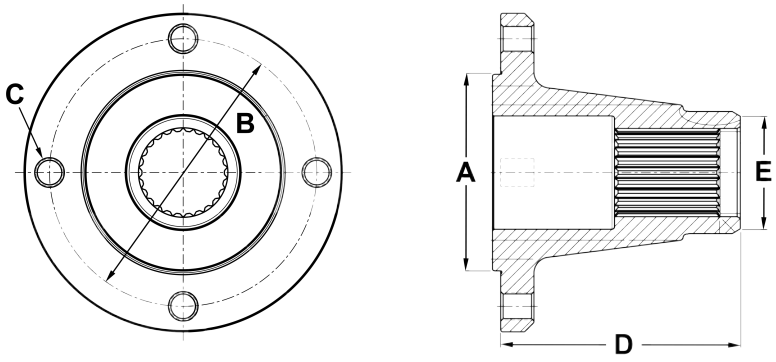
LARGE FLANGE (Cont'd)



DL Series	A Bore Dia.	Bore Dia. (max)	B Keyway	Keyway (max)	C Pilot Dia.	D Bolt Circle	E Hole/Threa Size	Holes/Bolts	F Set Screw Hole Size	G Overall Length	H Outside Dia.	Part Number
1610 Series (Mating Flange Yoke N5-2-279: use bolt kit N161F)												
1610	3.000	4.500	***	1.000	6.625	6.125	3/8-24	8	1/2-13	5.000	6.875	N5-1-883
1610	3.500	***	0.875	0.878	6.625	6.125	3/8-24	8	1/2-13	5.000	6.875	N5-1-883-1
1610	4.000	***	1.000	1.003	6.625	6.125	3/8-24	8	1/2-13	5.000	6.875	N5-1-883-3
1710 Series (Mating Flange Yoke N6-2-749)												
1710	3.500	5.500	***	1.250	7.750	7.250	3/8-24	8	1/2-13	6.000	8.000	N6-1-1263
1810 Series (Mating Flange Yoke N6.5-2-329)												
1810	3.500	5.500	***	1.250	7.750	7.250	7/16-20	12	1/2-13	6.000	8.000	N6.5-1-543

COMPANION FLANGE

FLANGE ADAPTER



DL Series	A Pilot Dia.	B Bolt Circle	C Hole/Thread Size	Holes/Bolts	D Flange Face To End	E Hub Dia.	Spline/ Number Teeth	Part Number
1350 Series (Mating Flange Yoke N3-2-119)								
1350	3.125-M	4.250	7/16-20	4	2.53	1.938	1.401-32	N3-1-JK05
1350	3.125-M	4.250	7/16-20	4	3.81	1.938	1.401-32	N3-1-JK07

neapco

THE DRIVELINE EXPERTS

SECTION

2

Flange Yoke

Inside Lock-Up

Outside Lock-Up

Bearing Plate Construction

C.V. Flange Adapter

C.V. Outside Lock-Up

C.V. Inside Lock-Up

Torque Limiter



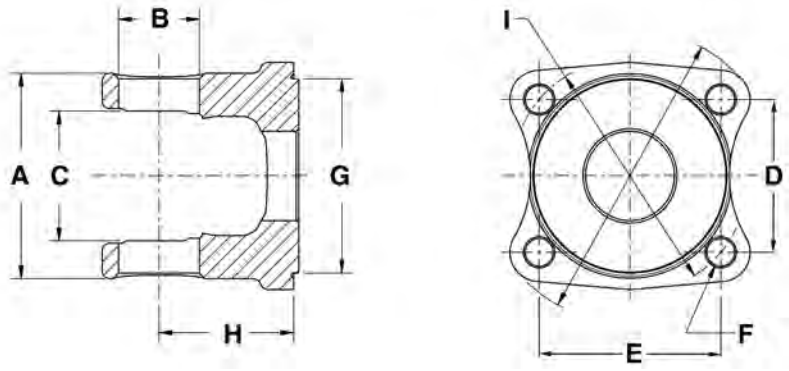
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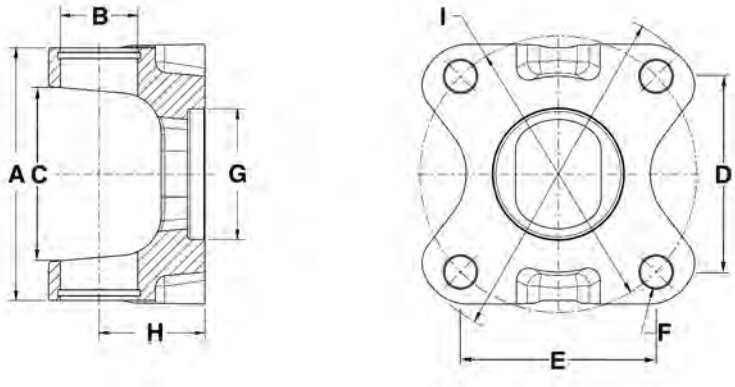
FLANGE YOKE

INSIDE LOCK-UP



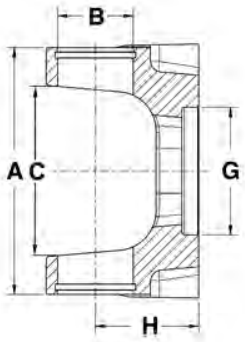
DL Series	D Length Between Holes	E Length Between Holes	F Hole/ Thread Size	G Pilot Dia.	H Flange Face To CL	I Bolt Circle	Hub Dia.	Number Of Bolt Holes	CL To End Of Hub	Spline/ Number Teeth	Bolt Hole Pattern	Part Number
1000 Series A-2.312 B-0.938 C-1.500												
1000	1.768	2.107	0.328	2.250-M	1.627	2.750	***	4	***	***	Rectangle	10-0229
1000	***	***	0.328	2.756	2.562	3.250	***	4	***	***	Round	NOE-02-2126-A
1200 Series A-2.562 B-1.063 C-1.812												
1200	2.767	2.767	0.465	***	2.150	3.913	***	4	***	***	Square	12-1535

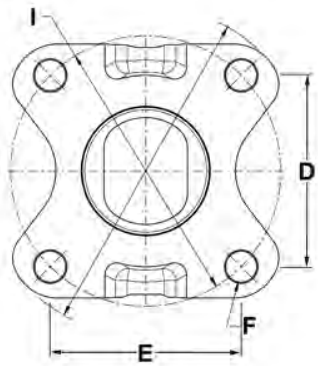
OUTSIDE LOCKUP



DL Series	C Length Between Holes	D Length Between Holes	E Bolt Circle	F Hole/ Thread Size	G Pilot Dia.	H Flange Face To CL	I Hub Dia.	Number Of Bolt Holes	Joint Angle	CL To End Of Hub	Bolt Hole Pattern	Part Number
1210 Series A-2.56 B-1.063												
1210	2.165	2.165	3.062	0.328	1.812-M	1.500	***	4	20	***	Square	N2-2-2323
1210	2.475	2.475	3.500	0.500	2.000-F	1.625	***	4	20	***	Square	N2-2-1049
1210	1.768	2.107	2.750	0.328	2.250-M	1.484	***	4	20	***	Rectangle	N2-2-899
1310 Series A-3.469 B-1.063												
1310	2.205	2.520	3.344	0.328	1.812-M	1.625	***	4	15	***	Rectangle	N2-2-799
1310	2.365	2.365	3.344	0.406	1.812-M	1.625	***	4	15	***	Square	N2-2-799-1
1310	2.596	2.596	3.672	0.454	1.812-M	1.562	***	4	20	***	Square	N2-2-780
1310	2.475	2.475	3.500	0.500	2.000-F	1.625	***	4	20	***	Square	N2-2-939
1310	3.005	3.005	4.250	0.500	2.000-F	1.625	***	4	19	***	Square	N2-2-1379
1310	1.768	2.107	2.750	0.328	2.250-M	1.625	***	4	15	***	Rectangle	N2-2-899-1
1310	2.009	2.394	3.125	0.391	2.375-M	1.375	***	4	20	***	Rectangle	N2-2-329
1310	2.009	2.394	3.125	0.391	2.375-M	1.625	***	4	30	***	Rectangle	N2-2-459
1310	***	***	3.543	0.325	***	2.280	4.09	8	***	***	Round	N2-2-JL01
1310	2.652	2.652	3.750	0.484	2.562-M	1.562	***	4	22	***	Square	N2-2-1949-1
1310	2.410	2.873	3.750	0.454	2.750-M	1.375	***	4	20	***	Rectangle	N2-2-479
1310	1.848	2.202	2.875	0.391	3.625-M	1.375	***	4	20	***	Rectangle	N2-2-349
1310	3.053	3.639	4.750	0.516	3.750-M	1.375	***	4	20	***	Rectangle	N2-2-579
1310	***	***	3.391	0.328	3.922-M	2.312	***	8	20	***	Round	N2-2-392
1310	***	***	3.391	0.328	3.938-M	2.188	***	6	20	***	Round	N2-2-206
1330 Series A-3.875 B-1.063												
1330	2.596	2.596	3.672	0.454	1.812-M	1.562	***	4	20	***	Square	N2-2-1904
1330	2.596	2.596	3.672	0.500	1.812-M	1.663	***	4	20	***	Square	N2-2-2768
1330	2.475	2.475	3.500	0.500	2.000-F	1.656	***	4	20	***	Square	N2-2-949
1330	3.005	3.005	4.250	0.500	2.000-F	1.625	***	4	19	***	Square	N2-2-1369
1330	2.785	2.785	3.938	0.500	2.156-F	1.625	***	4	20	***	Square	N2-2-1879-1
1330	2.410	2.873	3.750	0.454	2.750-M	1.562	***	4	20	***	Rectangle	N2-2-489

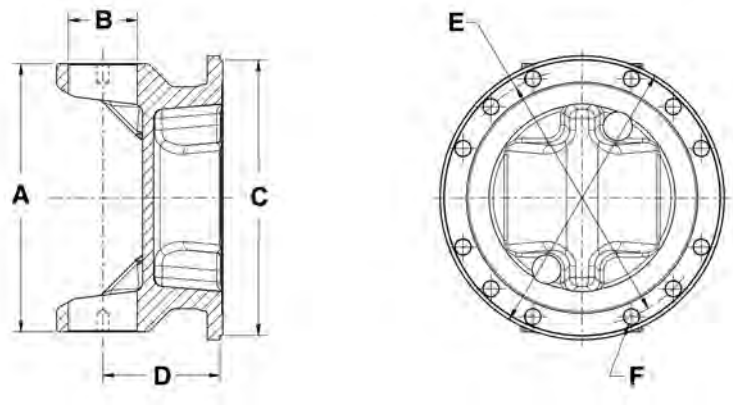
OUTSIDE LOCKUP (Cont'd)





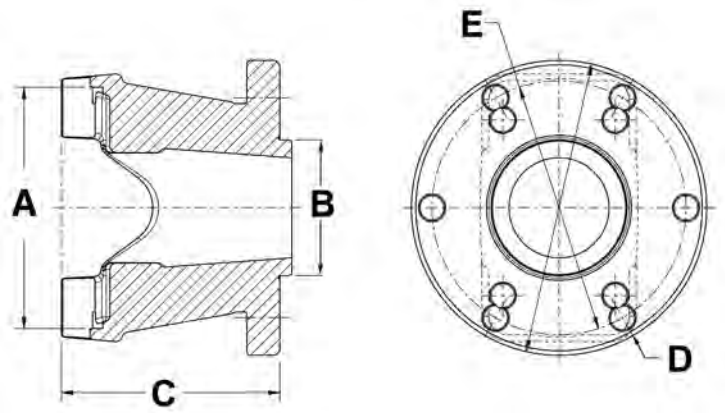
DL Series	C Length Between Holes	D Length Between Holes	E Bolt Circle	F Hole/ Thread Size	G Pilot Dia.	H Flange Face To CL	I Hub Dia.	Number Of Bolt Holes	Joint Angle	CL To End Of Hub	Bolt Hole Pattern	Part Number
1350 Series A-3.875 B-1.188												
1350	***	***	4.331	0.492	0.632-F	2.479	***	3	20	***	Triangular	N3-2-8868-1X
1350	***	***	4.250	0.493	2.000-F	1.625	***	4	***	***	Square	N3-83-054X
1350	3.005	3.005	4.250	0.500	2.000-F	1.650	***	4	20	1.650	Square	N3-2-1579F
1350	3.005	3.005	4.250	M12x1.75	2.000-F	1.625	***	4	20	***	Square	N3-2-1619
1350	2.828	2.828	4.000	0.406	2.250-F	1.625	***	4	20	***	Square	N3-2-5104
1350	2.645	2.645	3.740	0.500	2.562-M	1.562	***	4	20	***	Square	N3-2-1949
1350	2.834	3.377	4.409	0.406	2.641-F	1.625	***	4	20	***	Rectangle	N3-2-5107
1350	3.005	3.005	4.250	M12x1.75	2.688-F	1.625	***	4	20	***	Square	N3-2-1699
1350	2.410	2.873	3.750	0.454	2.750-M	1.562	***	4	20	***	Rectangle	N3-2-119
1350	***	***	3.543	0.325	2.800-F	2.480	4.09	8	***	***	Round	N3-2-JL01
1350	***	***	3.740	0.410	***	2.480	4.46	6	***	***	Round	N3-2-2701-1X
1350	2.826	2.826	3.996	0.406	2.950-F	1.693	***	4	***	1.693	Square	N3-2-1351
1350	3.359	3.359	4.750	0.490	2.954-F	1.650	***	4	***	***	Square	N3-2-1859
1350	***	***	3.661	0.402	4.328-M	2.484	***	6	20	***	Round	N3-2-8869
1410 Series A-4.438 B-1.188												
1410	3.005	3.005	4.250	0.500	2.000-F	1.656	***	4	20	***	Square	N3-2-1819
1410	3.005	3.005	4.250	M12x1.75	2.688-F	1.656	***	4	20	***	Square	N3-2-1709
1410	3.005	3.005	4.250	0.500	2.688-F	1.656	***	4	20	***	Square	N3-2-1759
1410	2.410	2.873	3.750	0.454	2.750-M	1.688	***	4	22	***	Rectangle	N3-2-159
1410	3.359	3.359	4.750	0.500	2.953-F	2.000	***	4	25	***	Square	N3-2-1839
1410	3.053	3.639	4.750	0.500	3.750-M	2.000	***	4	30	***	Rectangle	N3-2-429
1480 Series A-4.438 B-1.375												
1480	3.053	3.639	4.750	0.500	3.750-M	2.000	***	4	20	***	Rectangle	N3-2-479
1480	***	***	6.125	0.375	6.625-M	2.000	***	8	20	***	Round	N3-2-499
1550 Series A-5.250 B-1.375												
1550	3.053	3.639	4.750	0.500	3.750-M	2.000	***	4	22	***	Rectangle	N4-2-669

BEARING PLATE CONSTRUCTION



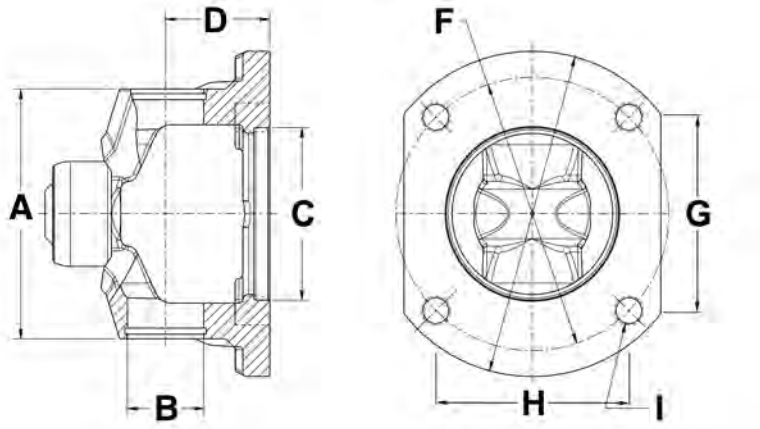
DL Series	C Pilot Dia.	D Flange Face To CL	E Bolt Circle	F Hole/ Thread Size	Number Of Bolt Holes	Joint Angle	Bolt Hole Pattern	Part Number
1610 Series A-5.321 B-1.875								
1610	6.625-M	2.750	6.125	0.375	8	22	Round	N5-2-279
1710 Series A-6.094 B-1.938								
1710	7.750-M	3.000	7.250	0.438	8	22/29	Round	N6-2-739
1710	7.750-M	3.000	7.250	0.375	8	22/29	Round	N6-2-749
1760 Series A-7.000 B-1.938								
1760	7.750-M	3.375	7.250	0.438	12	30	Round	N6.3-2-19
1810 Series A-7.547 B-1.938								
1810	7.750-M	3.375	7.250	0.438	12	30	Round	N6.5-2-329

C.V. FLANGE ADAPTER



DL Series	B Pilot Dia.	C Flange Face To CL	D Hole/ Thread Size	E Bolt Circle	Number Of Bolt Holes	Bolt Hole Pattern	Part Number
1310HR Series A-3.219 B-1.063							
1310HR	4.094-M	2.906	0.328	3.578	6	Round	N2-83-288X

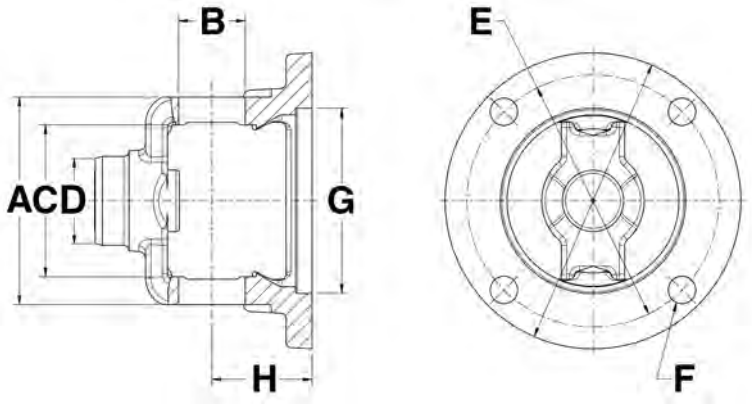
C.V. OUTSIDE LOCK-UP



DL Series	C Pilot Dia.	D Flange Face To CL	Number Of Bolt Holes	E Stud Socket Dim.	F Bolt Circle	G Length Between H oles	H Length Between Holes	I Hole/ Thread Size	Lubrication Type	Bolt Hole Pattern	Part Number
					1310 Series		A-3.469	B-1.063			
1310	1.812-M	1.625	4	0.500	3.344	2.365	2.365	0.406	***	Square	N2-83-288-3X
1310	1.812-M	1.625	4	0.500	3.578	2.362	2.697	0.328	***	Rectangle	N2-83-288-1X
1310	1.812-M	1.625	4	0.500	3.672	2.596	2.596	0.454	***	Square	N2-83-288-4X
1310	2.000-F	1.625	4	0.500	3.000	2.121	2.121	0.375-24	***	Square	N2-83-599X
1310	2.000-F	1.625	4	0.500	3.500	2.475	2.475	0.500	GREASABLE	Square	N2-83-388X
1310	2.000-F	1.625	4	0.500	3.500	2.475	2.475	0.500	NON-GREASABLE	Square	N2-83-543X
					1330 Series		A-3.875	B-1.063			
1330	2.000-F	1.625	4	0.500	4.250	3.005	3.005	M12x1.75	***	Square	N2-83-631X
1330	3.125-F	1.625	4	0.500	4.250	3.005	3.005	0.469	***	Square	N2-83-913X
					1350 Series		A-3.875	B-1.188			
1350	2.000-F	1.625	4	0.500	4.250	3.005	3.005	M12x1.75	***	Square	N3-83-024X
1350	2.156-F	1.625	4	0.500	3.938	2.785	2.785	0.500	***	Square	N3-83-072X
1350	2.688-F	1.625	4	0.500	4.250	3.005	3.005	M12x1.75	***	Square	N3-83-025X
1350	3.125-F	1.625	4	0.500	4.250	3.005	3.005	0.469	***	Square	N3-83-3281X
					1410 Series		A-4.438	B-1.188			
1410	2.680	***	4	***	4.250	3.005	3.005	0.463	***	Square	N3-83-1411X
1410	3.128	***	4	***	4.250	3.005	3.005	0.463	***	Square	N3-83-1410X
					3R Series		A-3.563	B-1.125	C-2.563		
3R	3.125-F	1.688	4	0.906	4.250	***	***	0.454	***	Round	N3R-83-482

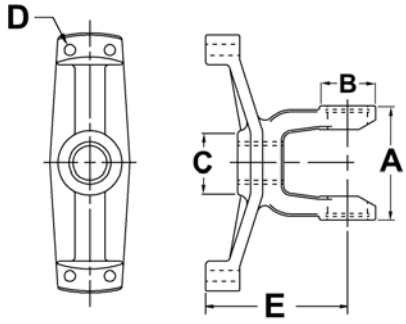
FLANGE YOKE

C.V. INSIDE LOCK-UP



DL Series	D Stud Socket Dim.	E Bolt Circle	F Hole/ Thread Size	G Pilot Dia.	H Flange Face To CL	Number Of Bolt Holes	Bolt Hole Pattern	Part Number
3R Series A-3.563 B-1.125 C-2.563								
3R	0.906	4.250	0.454	3.125-F	1.688	4	Round	N3R-83-482
3R	0.906	4.250	0.406	3.125-F	1.688	4	Round	N3R-83-627

TORQUE LIMITER



DL Series	C Bore Dia./Shape	D Hole/ Thread Size	E Flange Face To CL	Center line To End Of Hub	Number Of Bolt Holes	Part Number
2200 Series A-3.218 B-1.250 C-2.06						
2200	1.061 Round	0.340	4.430	3.365	4	48-1181

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THE DRIVELINE EXPERTS

SECTION

3

Slip Yoke

SUB SECTION

Tranmission Flange Sleeve

Sleeve

PTO Sleeve

PTO Hex Bore - Inside Lock-Up

PTO Square Bore - Inside Lock-Up

PTO Rectangular Bore - Inside Lock-Up

PTO Round Bore - Inside Lock-Up

Splined Slip Yoke - Inside Lock-Up

Splined Slip Yoke - Outside Lock-Up

AND MUCH MORE!

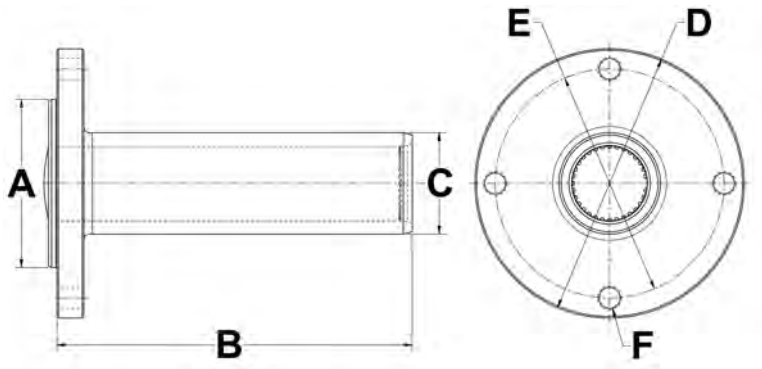


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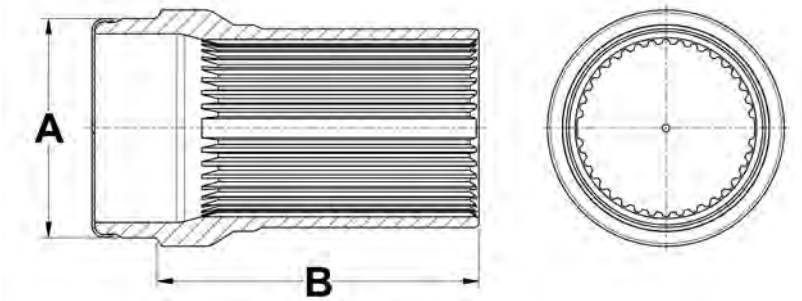
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TRANSMISSION FLANGE SLEEVE



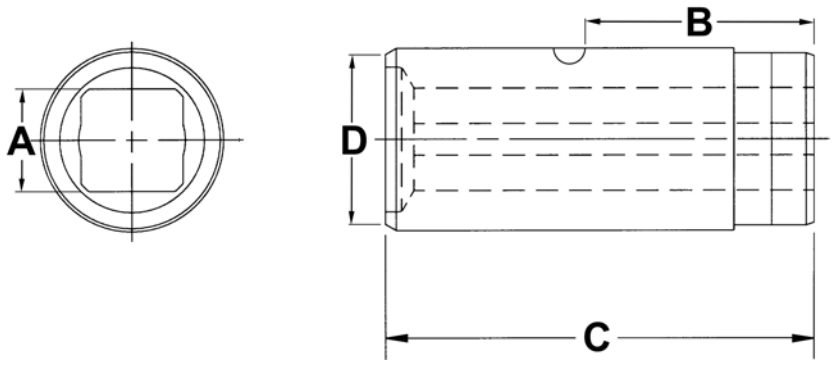
DL Series	A Pilot Dia.	Spline/Number Teeth	B Flange Face To End	C Hub Dia.	E Bolt Circle	F Hole/ Thread Size	Number Of Bolt Holes	Part Number
1310 Series								
1310	2.000-M	1.375-31/32	6.594	1.875	3.000	0.375	4	N2-23-9162X
1350 Series								
1350	3.125-M	1.375-31/32	5.656	1.891	4.250	7/16-20	4	N3-23-9168KX

SLEEVE



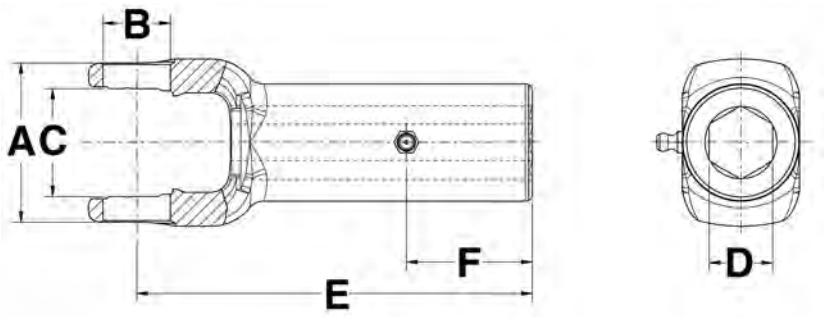
DL Series	Bore Type	A Butt Dia.	B End Of Spline To Weld	Spline/Number Teeth	Part Number
NPL170/SPL170 Series					
NPL170/SPL170	Round	4.351	8.000	3.465-32/34	N170-55-21-2X
NPL170/SPL170	Round	4.344	8.000	3.465-32/34	N170-55-51-1
N170 / N250 Series					
N170 / N250	Round	4.748	6.875	3.858-38	N250-55-31X

PTO SLEEVE



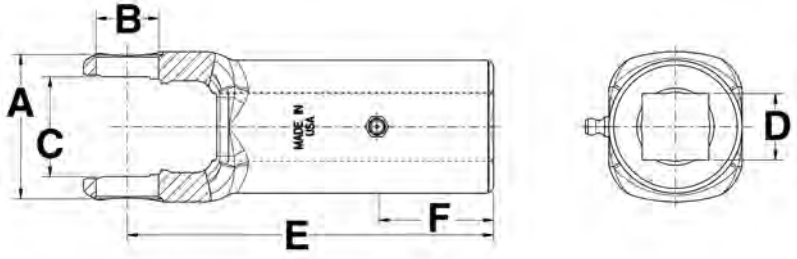
Bore Type	A Bore Size	B CL To End Of Hub	Hole/ Thread Size	C Overall Length	Tubing Diameter And Wall	D Sleeve Dia.	Spline/Number Teeth	Spline Type	Part Number
Rectangle / Round	0.751 x 0.876 / 0.877	***	***	4.000	1.625 X .065	1.630	***	***	53-0634
Rectangle / Round	0.751 x 0.876 / 0.877	***	***	4.000	1.500 X .065	***	***	***	53-0635
Rectangle / Round	1.00 x 1.130 / 1.130	***	***	5.000	2.000 X.083	2.000	***	***	53-1834
Round	1.000	2.500	1/4-28	5.000	2.000 X.083	2.130	1-15 with missing tooth	Involute	53-0374
Rectangle / Round	1.00 x 1.127 / 1.127	2.500	1/4-28	5.000	2.000 X.083	2.130	***	***	53-2034
Square	1.193	2.500	1/4-28	5.000	2.250 X .120	2.130	***	***	53-2434
Square	1.193	2.500	1/4-28	5.000	2.125 X .120	2.130	***	***	53-2435
Square	1.193	2.500	1/4-28	5.000	2.125 X .083	2.130	***	***	53-3500
Square	1.316	***	1/4-28	5.000	2.500 X .134	2.500	***	***	53-2643
Square	1.316	***	1/4-28	5.000	2.750 X .109	2.630	***	***	53-2644
Round	1.630	***	0.180	6.000	2.250 X .120	2.250	1.630-10	***	53-2415

PTO HEX BORE - INSIDE LOCK-UP



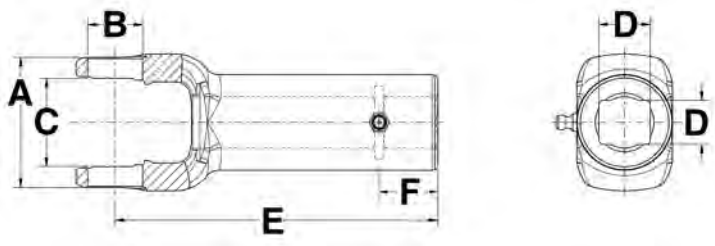
DL Series	D Bore Dia./Shape	E CL To End Of Hub	Lube Fitting Location	F Lube Fitting Distance To End Of Hub	Part Number
1000 Series A-2.312 B-0.938 C-1.500					
1000	0.875 Hexagonal	5.500	GAP	1.750	10-3162
1000	1.125 Hexagonal	5.500	GAP	1.750	10-0332

PTO SQUARE BORE - INSIDE LOCK-UP



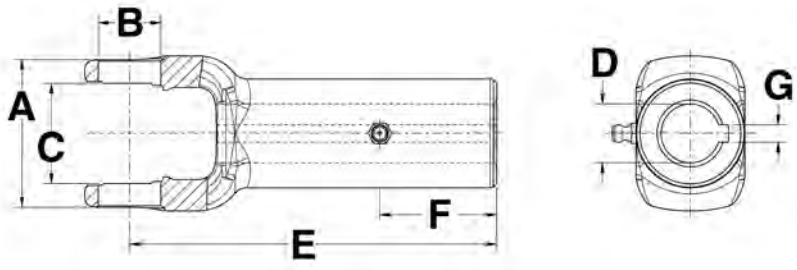
DL Series	D Bore Dia./Shape	E CL To End Of Hub	F Lube Fitting Distance To End Of Hub	Lube Fitting Location	Part Number
1000 Series A-2.312 B-0.938 C-1.500					
1000	0.750 Square	5.500	1.750	GAP	10-0312
1000	0.750 Square	5.500	2.000	GAP	10-1758
1000	0.875 Square	5.500	1.750	GAP	10-0322
1000	1.000 Square	5.500	1.750	GAP	10-3122

PTO RECTANGULAR BORE - INSIDE LOCK-UP



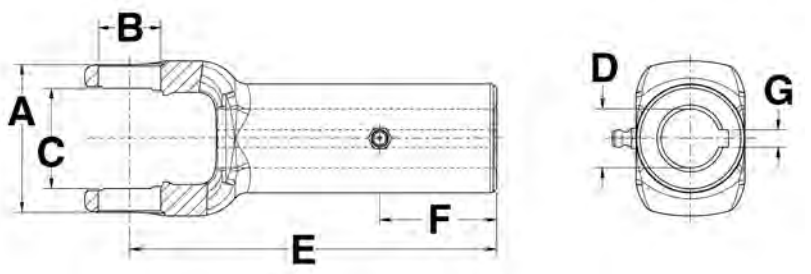
DL Series	D Bore Dia./Shape	E CL To End Of Hub	Lube Fitting Location	F Lube Fitting Distance To End Of Hub	Part Number
1000 Series A-2.312 B-0.938 C-1.500					
1000	0.750 x 0.875 Rectangle	5.500	GAP	1.750	10-1769

PTO ROUND BORE - INSIDE LOCK-UP



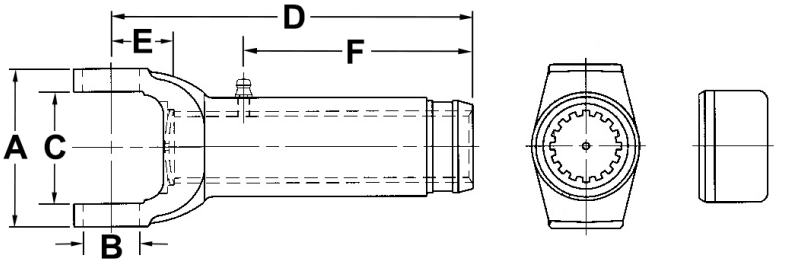
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	F Lube Fitting Distance To End Of Hub	G Keyway Width	Keyway Location	Lube Fitting Location	Hole/ Thread Size	Part Number
1000 Series A-2.312 B-0.938 C-1.500								
1000	0.750 Round	5.500	1.750	0.188	GAP	GAP	***	10-0313
1000	0.812 Round	5.500	1.750	0.250	GAP	GAP	***	10-0323
1000	0.875 Round	5.500	1.750	0.250	GAP	GAP	***	10-0333
1000	0.938 Round	5.500	2.000	0.250	GAP	GAP	1-1/8 - 27	10-3203
1000	1.000 Round	5.500	1.750	0.250	GAP	GAP	***	10-0383
1000	1.125 Round	5.500	1.750	0.250	GAP	GAP	***	10-1767
1000	1.125 Round	5.500	1.750	0.312	GAP	GAP	***	10-3183

PTO ROUND BORE - INSIDE LOCK-UP (Cont'd)



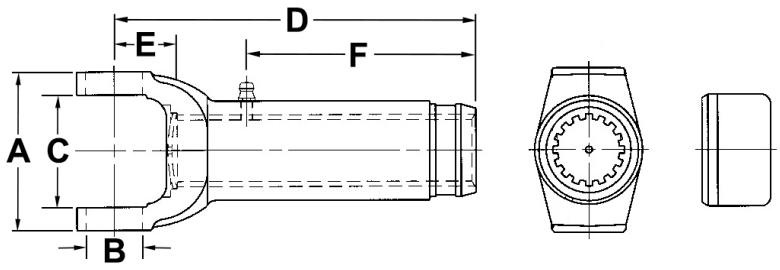
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	F Lube Fitting Distance To End Of Hub	G Keyway Width	Keyway Location	Lube Fitting Location	Hole/ Thread Size	Part Number
1000 Series A-2.312 B-0.938 C-1.500								
1000	1.250 Round	5.500	1.750	0.312	GAP	GAP	***	10-3163
1000	1.250 Round	5.500	1.690	0.250	GAP	GAP	***	10-3173

SPLINED SLIP YOKE - INSIDE LOCK-UP



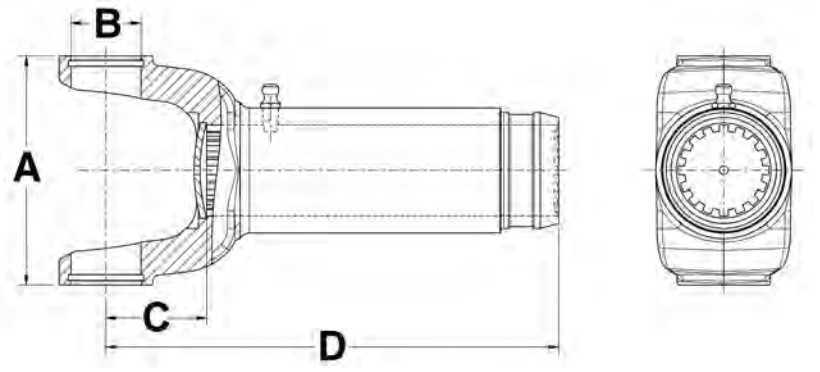
DL Series	Spline/Number Teeth	D CL To End Of Hub	Bore Size & Shape	E CL to Face of Washer	Joint Angle	Lube Fitting Part Number	Dust Cap	F Lube Fitting Distance To End Of Hub	Lube Fitting Location	Part Number
1000 Series A-2.312 B-0.938 C-1.500										
1000	1.125-10	5.500	1.125-10 Spline	***	***	***	***	1.750	GAP	10-0381
1000	1.125-10	5.500	1.125-10 Spline	***	***	***	***	3.500	GAP	11-1075
1000	1.250-6	5.500	1.250-6 Spline	***	***	***	***	2.000	GAP	10-1765

SPLINED SLIP YOKE - INSIDE LOCK-UP (Cont'd)



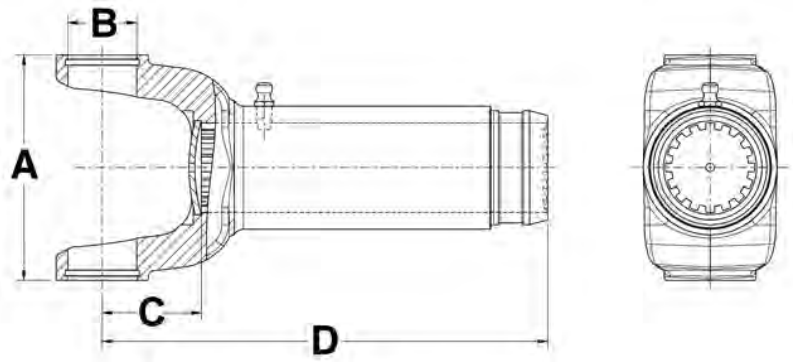
DL Series	Spline/Number Teeth	D CL To End Of Hub	Bore Size & Shape	E CL to Face of Washer	Joint Angle	Lube Fitting Part Number	Dust Cap	F Lube Fitting Distance To End Of Hub	Lube Fitting Location	Part Number
1000 Series					**A-2.312**	**B-0.938**	**C-1.500**			
1000	1.250-16	5.499	1.250-16 Spline	***	***	***	***	1.594	GAP	10-0318
1000	1.250-16	6.281	1.250-16 Spline	***	***	***	***	2.375	EAR	10-0319
1200 Series					**A-2.562**	**B-1.063**	**C-1.812**			
1200	1.375-16	5.250	1.375-16 Spline	***	***	***	***	3.380	***	12-2322
3R Series					**A-3.563**	**B-1.125**	**C-2.563**			
3R	1.375-16	7.380	***	1.360	22.00	0641-B	280194	***	***	N3R-3-9170KX
3R	1.375-31/32	7.380	***	1.360	22.00	0641-B	ND3A	***	***	N3R-3-9165KX
7260 Series					**A-3.000**	**B-1.078**	**C-2.125**			
7260	1.375-16	6.880	***	1.200	18.00	0641-B	280194	***	***	N2-3-7260KX
7290 Series					**A-3.563**	**B-1.126**	**C-2.625**			
7290	1.375-16	6.620	***	1.000	15.00	0641-B	280194	***	***	N729-3-1631KX

SPLINED SLIP YOKE - OUTSIDE LOCK-UP



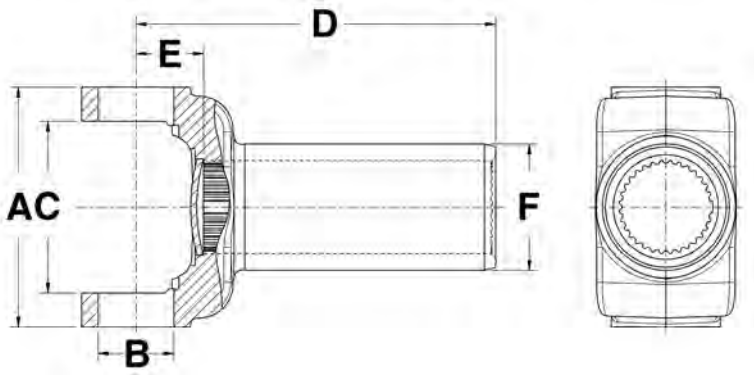
DL Series	Spline/Number Teeth	C CL To Face Washer	D CL To End Of Spline	Joint Angle	Lube Fitting Part Number	Welch Plug	Dust Cap	Part Number
1210 Series A-2.56 B-1.063								
1210	1.250-14/16	1.270	6.400	20.000	0641-B	***	280196	N2-3-8861KX
1210	1.250-14/16	1.270	8.020	20.000	0641-B	***	280196	N2-3-8961KX
1310 Series A-3.469 B-1.063								
1310	1.250-16	1.430	6.560	30.000	0641-B	***	ND2K	N2-3-4441KX
1310	1.375-15 based on 16	1.050	6.020	15.000	0641-B	***	***	N2-3-10411KX
1310	1.375-16	1.530	2.410	30.000	0641-B	***	280194	N2-3-8021KX
1310	1.375-16	1.050	5.380	15.000	0641-B	***	280194	N2-3-128KX
1310	1.375-16	1.050	6.000	20.000	0641-B	***	280195	N2-3-4951KX
1310	1.375-16	1.050	6.000	20.000	0641-B	***	280194	N2-3-7981KX
1310	1.375-16	1.530	6.880	30.000	0641-B	***	280195	N2-3-5221KX
1310	1.375-16	1.530	6.880	30.000	0641-B	***	280194	N2-3-8001KX
1310	1.375-16	1.530	6.900	15.000	0641-B	***	***	N2-3-8002KX
1310	1.375-16	1.530	7.880	30.000	0641-B	***	280195	N2-3-5821KX
1310	1.375-31/32	1.480	6.620	15.000	0641-B	***	ND3A	N2-3-7171KX
1310	1.375-31/32	1.360	7.380	22.000	0641-B	***	ND3A	N2-3-9165KX
1310	1.500-16	1.530	6.880	30.000	0641-B	***	ND3A	N2-3-6061KX
1310	1.500-16	1.530	8.090	30.000	0641-B	***	ND3K	N2-3-6071KX
1330 Series A-3.875 B-1.063								
1330	1.375-15/16	1.090	6.620	15.000	0641-B	***	280194	N2-3-7681KX
1330	1.375-16	1.050	6.000	15.000	0641-B	***	280195	N2-3-4681KX
1330	1.375-16	1.050	6.000	15.000	0641-B	***	280194	N2-3-7961KX
1330	1.375-16	1.090	7.500	19.000	0641-B	***	280194	N2-3-8041KX
1330	1.375-16	1.780	8.440	35.000	0641-B	***	280195	N2-3-8051KX
1350 Series A-3.622 B-1.188								
1350	1.375-16	1.240	5.810	15.000	0641-B	***	280195	N3-3-1501KX
1350	1.375-16	1.240	7.310	20.000	0641-B	***	280195	N3-3-1502KX
1350	1.500-16	1.220	6.720	20.000	0641-B	***	ND3A	N3-3-1561KX

SPLINED SLIP YOKE - OUTSIDE LOCK-UP (Cont'd)



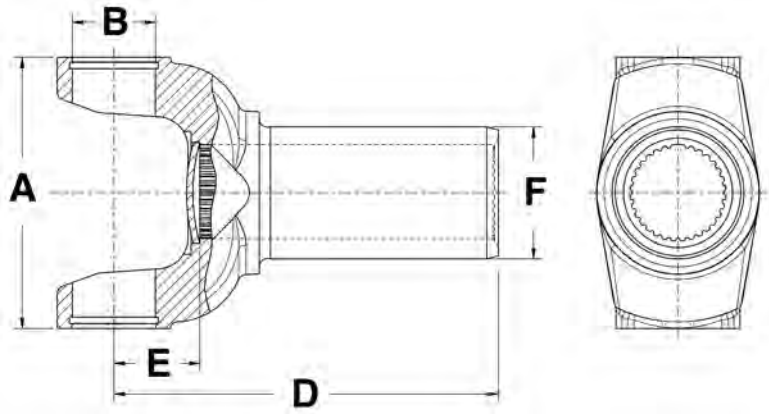
DL Series	Spline/Number Teeth	C CL To Face Washer	D CL To End Of Spline	Joint Angle	Lube Fitting Part Number	Welch Plug	Dust Cap	Part Number
1350HR Series A-3.622 B-1.188								
1350	1.375-15/16	1.220	6.810	20.000	0641-B	***	280194-1	N3-3-2701KX
1350	1.375-16	1.280	5.190	15.000	0641-B	***	280195	N3-3-758KX
1350	1.375-31/32	1.230	6.620	20.000	0641-B	***	ND3A	N3-3-2471KX
1350	1.500-16	1.240	5.810	20.000	0641-B	***	ND3A	N3-3-598KX
1350	1.500-16	1.240	7.310	20.000	0641-B	***	ND3A	N3-3-488KX
1350	1.500-16	1.780	8.440	35.000	0641-B	***	ND3K	N3-3-8081KX
1410 Series A-4.438 B-1.188								
1410	1.375-16	1.180	5.250	20.000	0641-B	***	280195	N3-3-788KX
1410	1.375-16	1.180	5.810	20.000	0641-B	***	280195	N3-3-1481KX
1410	1.376-31	***	7.540	***	***	***	***	N3-3-3811X
1410	1.500-16	1.180	5.250	20.000	0641-B	***	ND3K	N3-3-2041KX
1410	1.500-16	1.180	6.500	20.000	0641-B	***	ND3A	N3-3-118KX
1410	1.500-16	1.310	7.810	28.000	0641-B	***	ND3A	N3-3-508KX
1480 Series A-4.438 B-1.375								
1480	1.562-16	1.360	6.810	21.000	0641-B	***	ND3H	N3-3-1601KX
1480	1.562-16	2.000	9.500	35.000	0641-B	***	ND3H	N3-3-1641KX
1550HR Series A-4.965 B-1.375								
1550	1.750-16	1.880	6.880	22.000	0641-B	***	ND4J	N4-3-1241KX
1550	1.750-16	1.380	8.120	22.000	0641-B	***	ND4J	N4-3-1411KX
N90/N100								
N90/N100	1.965-29/30	8.870	9.682	***	***	N5-68-164	***	N100-3-41X
N90/N100	1.965-30	7.440	8.252	7.500	***	N5-68-164	***	N90-3-41X
N90/N100	1.965-30	9.290	10.102	7.500	***	N5-68-164	***	N90-3-21X

TRANSMISSION INSIDE LOCK-UP



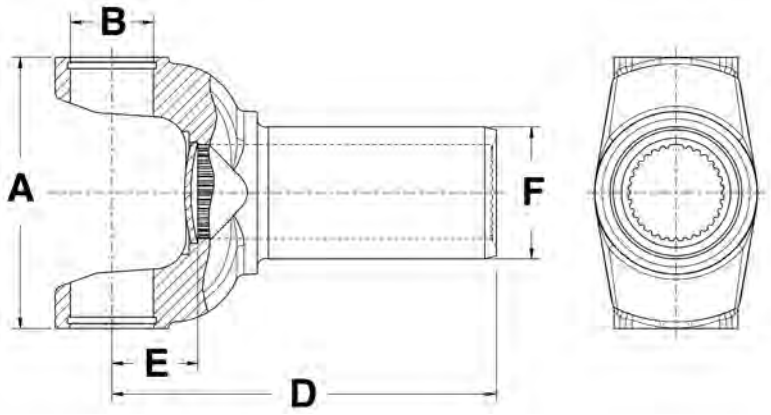
DL Series	Spline/Number Teeth	D CL To End Of Spline	E CL To Face Washer	F Seal Dia.	Joint Angle	Spline Type	Part Number
			3R Series	A-3.563 B-1.125 C-2.563			
3R	1.172-26/27	5.469	***	1.500	***	Full Spline	N3R-3-12361X
3R	1.172-26/27	5.469	0.875	1.500	***	Full Spline	N3R-3-6081X
3R	1.172-26/27	6.750	***	1.500	***	Counter Bore	N3R-3-12051X
3R	1.172-26/27	6.750	***	1.500	***	Full Spline	N3R-3-1658X
3R	1.391-31/32	5.344	1.000	1.875	15.0	Full Spline	N3R-3-9762X
3R	1.391-31/32	7.500	1.000	1.875	15.0	Counter Bore	N3R-3-9131X
3R	1.391-31/32	7.500	1.000	1.875	15.0	Full Spline	N3R-3-9161X
3R	1.391-31/32	7.500	***	1.875	***	Full Spline	NT3R-3-9161HP
3R	1.391-31/32	8.062	1.359	1.875	22.0	Full Spline	N3R-3-9101X
			7290 Series	A-3.563 B-1.126 C-2.625			
7290	1.312-29/30	7.562	1.000	1.875	15.0	Counter Bore	N729-3-1932X

TRANSMISSION OUTSIDE LOCK-UP



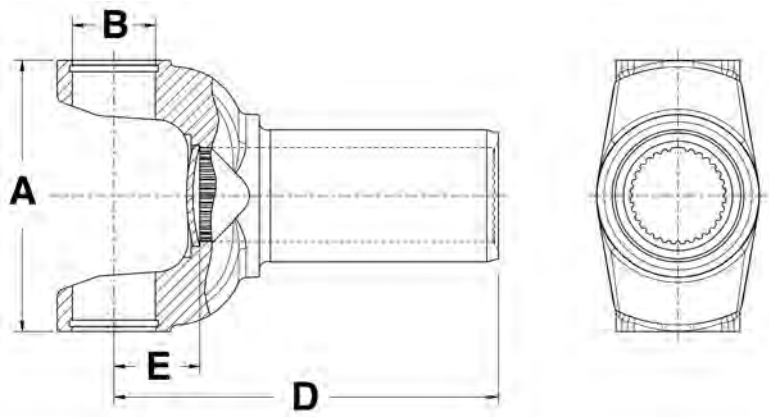
DL Series	Spline/Number Teeth	D CL To End Of Spline	E CL To Face Washer	F Seal Dia.	Joint Angle	Spline Type	Part Number
1310 Series A-3.469 B-1.063							
1310	1.172-26/27	4.875	***	1.500	***	Full Spline	NT2-3-4911HP
1310	1.172-26/27	5.469	0.906	1.500	***	Full Spline	N2-3-6081X
1310	1.172-26/27	8.000	***	1.500	***	Full Spline	NT2-3-6081HP8XL
1310	1.219-27/28	6.000	***	1.500	***	Full Spline	NT2-3-4871HP
1310	1.219-27/28	6.031	1.047	1.500	20.0	Full Spline	N2-3-4871X
1310	1.219-27/28	6.500	***	1.500	***	Full Spline	NT2-3-8251HP
1310	1.219-27/28	6.531	1.000	1.500	15.0	Full Spline	N2-3-8251X
1310	1.312-29/30	8.062	1.359	1.688	22.0	Counter Bore	N2-3-3575X
1310	1.390-30/31	7.000	1.531	1.688	30.0	Full Spline	N2-3-15631X
1310	1.391-31/32	4.875	***	1.875	***	Full Spline	NT2-3-13131HP
1310	1.391-31/32	5.500	1.000	1.875	15.0	Counter Bore	N2-3-10431X
1310	1.391-31/32	7.500	1.000	1.875	15.0	Counter Bore	N2-3-9131X
1310	1.391-31/32	7.500	1.000	1.885	15.0	Full Spline	N2-3-9161X
1310	1.391-31/32	8.062	1.359	1.875	22.0	Full Spline	N2-3-9101X
1330 Series A-3.875 B-1.063							
1330	1.172-26/27	5.469	***	1.500	***	Full Spline	NT2-3-12081HP
1330	1.172-26/27	6.766	***	1.500	***	Counter Bore	NT2-3-12051HP
1330	1.219-27/28	5.906	***	1.500	***	Full Spline	NT2-3-5981HP
1330	1.219-27/28	5.969	1.047	1.500	15.0	Full Spline	N2-3-5981X
1330	1.219-27/28	6.625	***	1.600	***	Full Spline	NT2-3-14061HP
1330	1.219-27/28	6.656	1.047	1.594	15.0	Full Spline	N2-3-14061X
1330	1.378-31/32	6.766	***	1.875	***	Full Spline	NT2-3-10831HP
1330	1.390-30/31	6.000	***	1.680	***	Full Spline	NT2-3-6041HP
1330	1.390-30/31	6.031	1.047	1.688	15.0	Full Spline	N2-3-6041X
1330	1.390-30/31	7.031	1.094	1.875	19.0	Full Spline	N2-3-10201X

TRANSMISSION OUTSIDE LOCK-UP (Cont'd)



DL Series	Spline/Number Teeth	D CL To End Of Spline	E CL To Face Washer	F Seal Dia.	Joint Angle	Spline Type	Part Number
1350 Series A-3.875 B-1.188							
1350	1.172-26/27	5.469	***	1.500	***	Full Spline	NT3-3-6081HP
1350	1.172-26/27	5.938	1.188	1.500	20.0	Full Spline	N3-3-4271X
1350	1.172-26/27	6.938	1.188	1.500	***	Counter Bore	N3-3-4281X
1350	1.172-26/27	6.938	***	1.500	***	Counter Bore	NT3-3-4281HP
1350	1.219-27/28	6.500	***	1.500	***	Full Spline	NT3-3-8251HP
1350	1.219-27/28	6.625	***	1.594	***	Full Spline	NT3-3-14061HP
1350	1.219-27/28	6.750	1.172	1.594	20.0	Full Spline	N3-3-14061X
1350	1.375-31/32	5.500	1.234	1.875	15.0	Counter Bore	N3-3-2431X
1350	1.378-31/32	5.500	***	1.875	***	Counter Bore	NT3-3-2431CBHP
1350	1.378-31/32	5.500	***	1.875	***	Full Spline	NT3-3-2431HP
1350	1.378-31/32	6.938	1.312	1.891	***	Full Spline	N3-3-4261X
1350	1.378-31/32	6.938	***	1.875	***	Full Spline	NT3-3-5571HP
1350	1.378-31/32	7.875	1.312	1.891	***	Full Spline	N3-3-9467X
1350	1.378-31/32	7.938	***	1.875	***	Counter Bore	NT3-3-5551HP
1350	1.390-30/31	6.438	***	1.688	***	Full Spline	NT3-3-2491HP
1350	1.390-30/31	6.500	1.219	1.688	20.0	Full Spline	N3-3-2491X
1350	1.390-30/31	7.312	***	1.875	***	Full Spline	NT3-3-5431HP
1350	1.390-30/31	7.344	0.906	1.875	20.0	Full Spline	N3-3-5431X
1480 Series A-4.438 B-1.375							
1480	1.390-30/31	6.906	1.359	1.875	21.0	Full Spline	N3-3-6021X

BEARING PLATE CONSTRUCTION



DL Series	Spline/ Number Teeth	D CL to End of Spline	E CL To Face Washer	Joint Angle	Lube Fitting Part Number	Dust Cap	Part Number
			1610 Series	A-5.321	B-1.875		
1610	2.000-16	8.880	2.690	35.0	0610-B	N5-86-68	N5-3-368KX
1610	2.000-16	9.310	3.190	30.0	0610-B	N5-86-68	N5-3-288KX
1610	2.000-16	10.810	3.190	35.0	0610-B	N5-86-68	N5-3-2261KX
			1710 Series	A-6.094	B-1.938		
1710	2.500-16	9.590	1.720	22.0	0610-B	N6.3-86-18	N6-3-2671KX
1710	2.500-16	11.690	2.440	30.0	0610-B	N6.3-86-18	N6-3-2651KX
1710	2.500-16	12.720	3.110	45.0	0610-B	N6.3-86-18	N6-3-3441KX
			1760 Series	A-7.000	B-1.938		
1760	2.500-16	9.250	2.920	30.0	0610-B	N6.3-86-18	N6.3-3-41KX
1760	2.500-16	11.160	2.470	30.0	0610-B	N6.3-86-18	N6.3-3-21KX
			1810 Series	A-7.547	B-1.938		
1810	3.000-16	10.250	2.380	30.0	0610-B	N6.5-86-38	N6.5-3-1351KX
1810	3.000-16	11.880	2.380	30.0	0610-B	N6.5-86-38	N6.5-3-1371KX
			20R Series	A-4.438	B-1.375		
20R	2.500-16	11.450	2.920	32.0	***	***	N20RLS40-2A1S
20R	2.500-16	11.450	2.920	32.0	***	***	N20RPL-SLIP
20R	2.500-16	12.050	3.520	44.0	***	***	N20RLS40-3A1S
			25R Series	A-8.375	B-2.062		
25R	3.000-16	11.280	2.750	22.0	***	***	N25RLS48-1A1S
25R	3.000-16	11.280	2.750	22.0	***	***	N25RPL-SLIP

Notes

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THE DRIVELINE EXPERTS

SECTION

4

End Yoke

SUB SECTION

PTO hex bore - Inside Lock-Up

PTO square bore - Inside Lock-Up

PTO rectangular bore - Inside Lock-Up

PTO round bore - Inside Lock-Up

PTO round bore - Outside Lock-Up

PTO round bore - U-Bolt

PTO round bore - Weld Yoke

PTO splined bore - Inside Lock-Up

PTO splined bore - Outside Lock-Up

AND MUCH MORE!

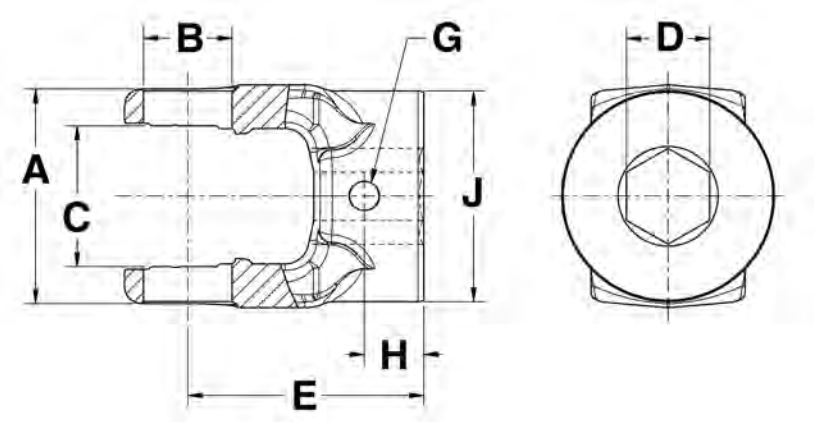


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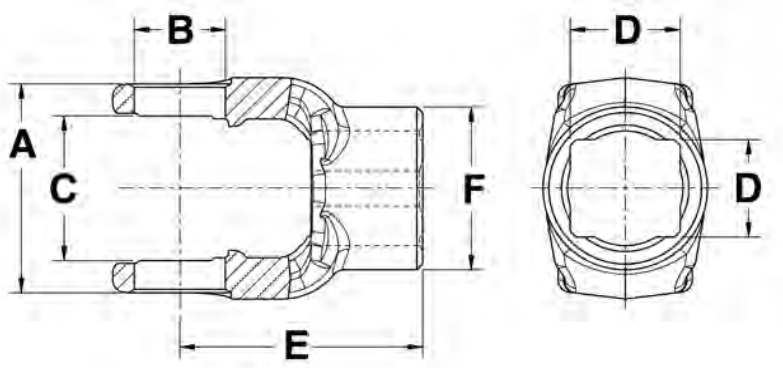
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PTO HEX BORE - INSIDE LOCK-UP



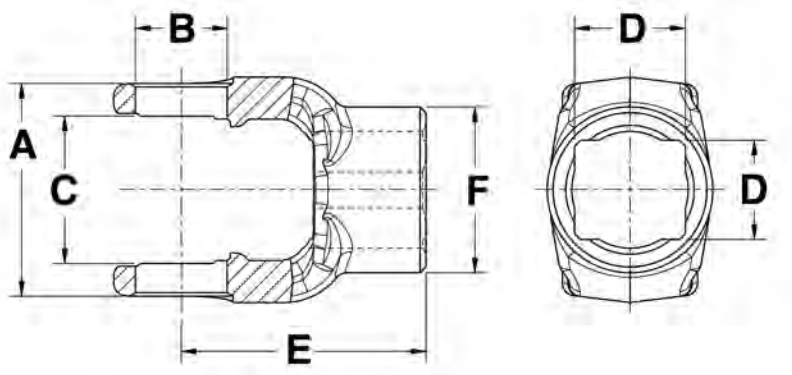
DL Series	D Bore Dia./Shape	E CL To End Of Hub	G Set Screw Thread Size	Set Screw Location	H End Of Hub To Set Screw	J Hub Dia.	Part Number
		1000 Series	**A-2.312**	**B-0.938**	**C-1.500**		
1000	0.875 Hexagonal	2.500	3/8-16	GAP	0.625	2.250	10-4282
1000	1.127 Hexagonal	2.500	3/8-16	GAP	0.625	2.250	10-0432
		1200 Series	**A-2.562**	**B-1.063**	**C-1.812**		
1200	1.127 Hexagonal	2.730	3/8-16	GAP	0.625	***	12-1168
1200	1.127 Hexagonal	3.500	3/8-16	GAP	0.880	***	12-1328
1200	1.127 Hexagonal	5.250	1/8-27 NPT	GAP	1.750	***	12-1173
		1800	**B-1.00**	**C-2.34**			
1800	1.127 Hexagonal	3.750	3/8-16	GAP	0.880	***	18-7128
		2200 Series	**A-3.218**	**B-1.250**	**C-2.06**		
2200	1.250 Hexagonal	3.010	0.0520 (2)	***	0.560	***	22-1724

PTO SQUARE BORE - INSIDE LOCK-UP



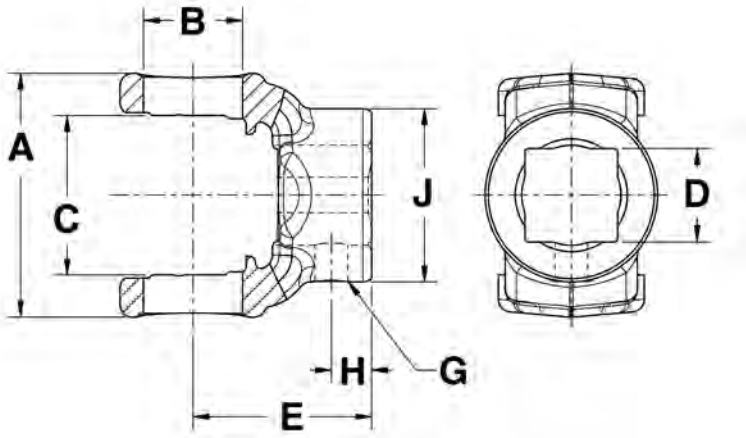
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	Set Screw Thread Size	Set Screw Location	End Of Hub To Set Screw	F Hub Dia.	Part Number
		1000 Series	**A-2.312**	**B-0.938**	**C-1.500**		
1000	0.750 Square	1.688	3/8-16	GAP	0.375	1.630	10-5354
1000	0.750 Square	2.500	3/8-16	GAP	0.625	1.625	10-0422
1000	0.875 Square	2.500	3/8-16	GAP	0.625	1.625	10-0412
1000	1.000 Square	2.500	3/8-16	GAP	0.625	2.250	10-0452
1000	1.000 Square	2.500	3/8-16	GAP	0.500	2.250	10-1580
1000	1.1875 Square	2.500	***	***	***	2.250	10-1557
		1200 Series	**A-2.562**	**B-1.063**	**C-1.812**		
1200	1.000 Square	3.500	3/8-16	GAP	0.880	***	12-1301
1200	1.000 Square	5.250	1/8-27 NPT	GAP	1.750	***	12-1314
1200	1.125 Square	3.500	0.390 (Pin)	GAP	0.625	***	12-1148
1200	1.250 Square	2.750	0.340 (Pin)	GAP	0.625	***	12-1321
		1800	**B-1.00**	**C-2.34**			
1800	1.000 Square	3.630	***	***	***	***	18-7125
1800	1.250 Square	3.250	***	***	***	***	18-7127
		2000 Series	**A-2.625**	**B-1.125**	**C-1.85**		
2000	1.000 Square	3.750	3/8-16	GAP	0.880	***	20-9310
2000	1.125 Square	3.750	3/8-16	GAP	0.880	***	20-9183
2000	1.250 Square	3.560	3/8-16	GAP	0.750	***	20-9127
		2200 Series	**A-3.218**	**B-1.250**	**C-2.06**		
2200	1.000 Square	4.190	3/8-16	Ear	0.880	***	22-1125
2200	1.126 Square	4.190	3/8-16	Ear	0.880	***	22-1124
2000	1.187 Square	3.120	***	***	***	***	20-9312
2200	1.187 Square	3.630	***	***	***	2.250	22-1344
2200	1.1875 Square	4.470	0.403	GAP	0.340	***	22-1190
		2600 Series		**B-1.37**	**C-2.81**		
2600	1.310 Square	4.630	***	***	***	3.140	26-5148

PTO SQUARE BORE - INSIDE LOCK-UP (Cont'd)



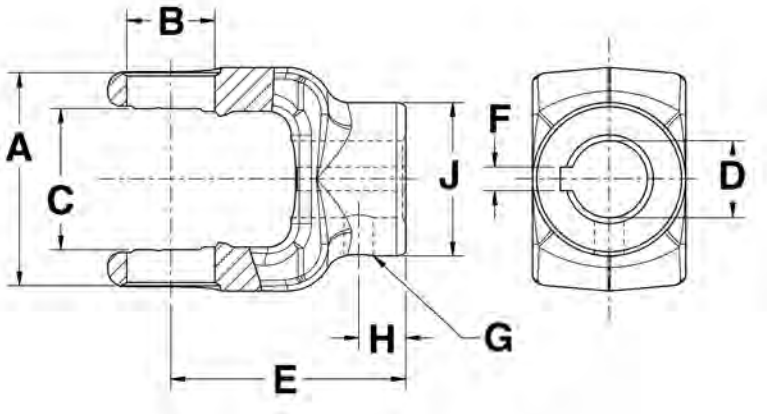
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	Set Screw Thread Size	Set Screw Location	End Of Hub To Set Screw	F Hub Dia.	Part Number
		N44 Series	B-1.31	C-2.79			
N44	1.126 Square	4.120	3/8-16	GAP	0.880	***	44-1826
N44	1.310 Square	4.120	***	***	***	2.860	44-2100
		N55 Series	A-4.44	B-1.53			
N55	1.310 Square	4.130	***	***	***	***	55-2130

PTO RECTANGULAR BORE - INSIDE LOCK-UP



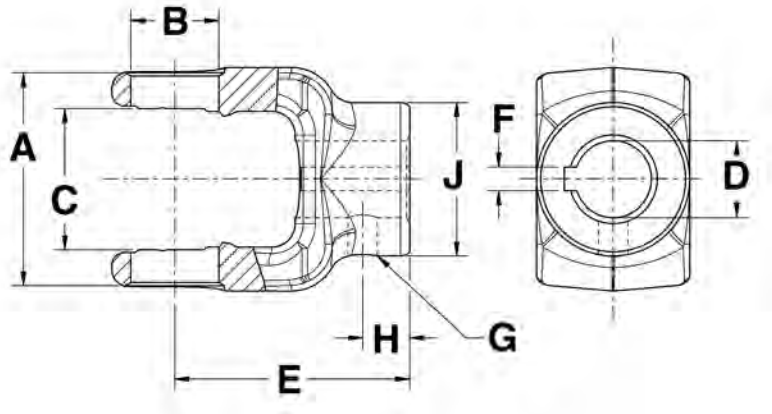
DL Series	D Bore Dia./Shape	E CL To End Of Hub	G Set Screw Thread Size	Set Screw Location	H End Of Hub To Set Screw	J Hub Dia.	Part Number
1000 Series A-2.312 B-0.938 C-1.500							
1000	0.875 x 0.750 Rectangle	2.500	***	***	***	1.500	10-5129
1000	1.000 x 1.125 Rectangle	2.750	***	***	***	1.500	10-5131
1000	1.000 x 1.130 Rectangle	2.500	***	***	***	2.250	10-1559
1200 Series A-2.562 B-1.063 C-1.812							
1200	1.000 x 1.125 Rectangle	2.940	***	***	***	2.250	12-1340
1200	1.000 x 1.125 Rectangle	3.500	0.390 (Pin)	GAP	1.000	***	12-1197
1200	1.281 x 1.408 Rectangle	2.940	***	***	***	2.250	12-1318
1800 B-1.00 C-2.34							
1800	1.000 x 1.125 Rectangle	3.125	***	***	***	2.250	18-7478
1800	1.000 x 1.125 Rectangle	3.375	***	***	***	2.245	18-7327
1800	1.000 x 1.128 Rectangle	3.250	***	***	***	2.000	18-7195
1800	1.281 x 1.408 Rectangle	3.375	***	***	***	2.245	18-7328

PTO ROUND BORE - INSIDE LOCK-UP



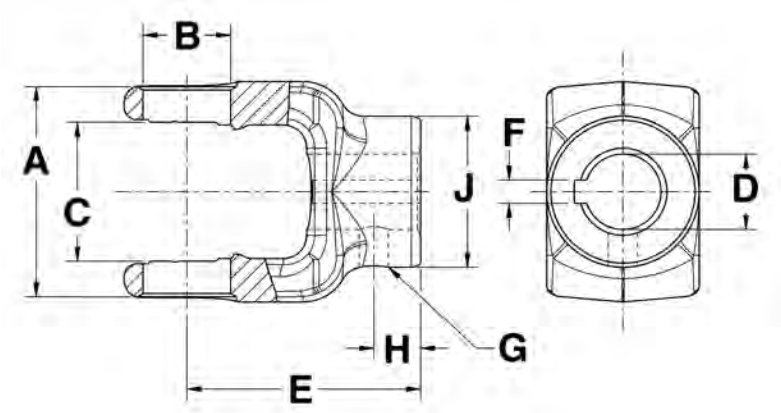
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	F Keyway Width	Keyway Location	G Set Screw Thread Size	Set Screw Location	H Set Screw To End Of Hub	J Hub Dia.	Part Number
			1000 Series	A-2.312	B-0.938 C-1.500				
1000	0.625 Round	2.500	0.188	GAP	3/8-16	GAP	0.625	1.625	10-4373
1000	0.750 Round	1.688	0.188	GAP	3/8-16	GAP	0.438	1.625	10-4693
1000	0.750 Round	2.500	0.188	GAP	3/8-16	GAP	0.625	1.625	10-0413
1000	0.750 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	1.625	10-0423
1000	0.750 Round	2.500	0.188	GAP	3/8-16 (2)	GAP	0.625	1.625	10-4133
1000	0.812 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	1.625	10-0443
1000	0.812 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	1.625	10-4173
1000	0.875 Round	1.688	0.250	GAP	3/8-16	GAP	0.375	1.630	10-1703
1000	0.875 Round	2.500	0.188	GAP	3/8-16	GAP	0.625	1.625	10-0453
1000	0.875 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	1.625	10-0463
1000	0.875 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	1.625	10-4453
1000	0.875 Round	2.500	0.189	GAP	3/8-16	GAP	0.500	1.630	10-4943
1000	0.875 Round	2.500	0.250 / 0.189	(2) GAP	3/8-16	GAP	0.500	1.630	10-5213
1000	0.938 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	1.625	10-0473
1000	1.000 Round	1.688	0.250	GAP	3/8-16	GAP	0.438	1.625	10-1705
1000	1.000 Round	2.500	0.188	GAP	3/8-16	GAP	0.625	1.625	10-0483
1000	1.000 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	1.625	10-0493
1000	1.000 Round	2.500	***	***	0.375 DT (2)	GAP	0.625	1.625	10-4443
1000	1.000 Round	2.500	0.251	GAP	3/8-16 UNC 2B	EAR	0.500	2.000	10-4493
1000	1.000 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	1.625	10-4573
1000	1.000 Round	2.500	0.250 / 0.189	(2) GAP	3/8-16	GAP	0.500	1.630	10-5215
1000	1.000 Round	2.500	***	***	***	***	***	2.250	10-5425
1000	1.000 Round	2.750	0.250	EAR	3/8-16	GAP	0.625	***	10-5322
1000	1.062 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	2.250	10-4163
1000	1.125 Round	1.688	0.250	GAP	3/8-16	GAP	0.375	1.630	10-5274

PTO ROUND BORE - INSIDE LOCK-UP (Cont'd)



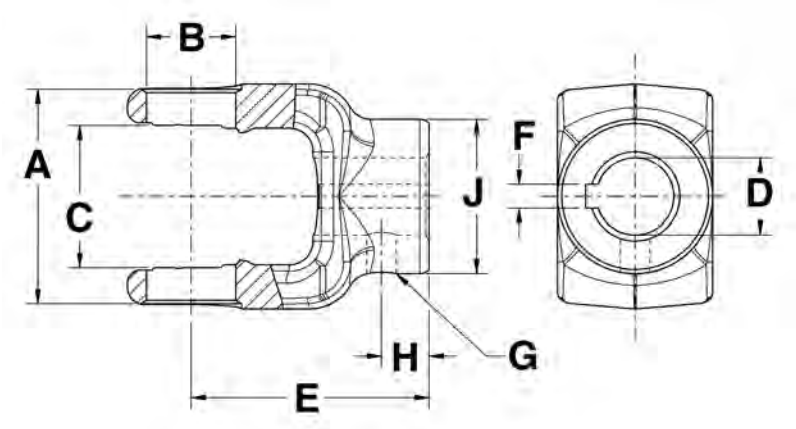
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	F Keyway Width	Keyway Location	G Set Screw Thread Size	Set Screw Location	H Set Screw To End Of Hub	J Hub Dia.	Part Number
			1000 Series	A-2.312	B-0.938	C-1.500			
1000	1.125 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	2.250	10-4103
1000	1.125 Round	2.500	0.312	GAP	3/8-16	GAP	0.625	2.250	10-4113
1000	1.125 Round	2.500	0.250	GAP	3/8-16	GAP	0.625	2.250	10-4143
1000	1.125 Round	2.500	0.312	GAP	3/8-16	GAP	0.625	2.250	10-4473
1000	1.125 Round	2.500	0.251	GAP	3/8-16 UNC 2B	EAR	0.500	2.250	10-5198
1000	1.1875 Round	2.500	0.250 / 0.312	GAP	3/8-16	GAP	0.625	2.250	10-1574
1000	1.1875 Round	2.500	0.312	GAP	3/8-16	GAP	0.625	2.250	10-4153
1000	1.1875 Round	3.000	***	***	***	***	***	1.500	10-5132
1000	1.244 Round	2.500	***	***	***	***	***	1.630	10-5174
1000	1.250 Round	2.500	0.312	GAP	3/8-16	EAR/GAP	0.500	2.250	10-4123
1000	1.250 Round	2.500	0.250	GAP	3/8-16	EAR	0.500	2.250	10-4183
1000	1.250 Round	2.500	0.312	GAP	3/8-16	GAP	0.625	2.250	10-4193
1000	1.250 Round	2.500	***	***	0.375 DT (2)	GAP	0.625	2.250	10-4363
1000	1.250 Round	2.500	0.251	GAP	3/8-16 (2)	EAR/GAP	0.500	2.250	10-5156
1000	1.250 Round	2.500	0.310 / 0.250	(2) GAP	3/8-16	GAP	0.500	***	10-5216
1000	1.375 Round	2.500	0.312	GAP	3/8-16	GAP	0.625	2.000	10-4293
1000	1.375 Round	2.500	0.310 / 0.250	(2) GAP	3/8-16	GAP	0.500	2.250	10-5218
1000	1.500 Round	2.500	***	***	0.281 DT (2)	GAP	0.500	2.000	10-1532
			1200 Series	A-2.562	B-1.063	C-1.812			
1200	0.750 Round	2.750	0.188	EAR	3/8-16	GAP	0.625	***	12-1312
1200	0.875 Round	2.750	0.250	EAR	3/8-16	GAP	0.625	***	12-1133
1200	0.875 Round	3.500	0.250	EAR	3/8-16	GAP	0.880	***	12-1113
1200	1.000 Round	3.000	0.251	EAR	M10 x 1.5 6H	GAP	0.750	***	12-1269
1200	1.000 Round	3.000	***	***	0.325 (Pin)	GAP	0.625	***	12-1319
1200	1.000 Round	3.310	0.251	EAR	.413 (thru hole)	GAP	0.690	***	12-1323

PTO ROUND BORE - INSIDE LOCK-UP (Cont'd)



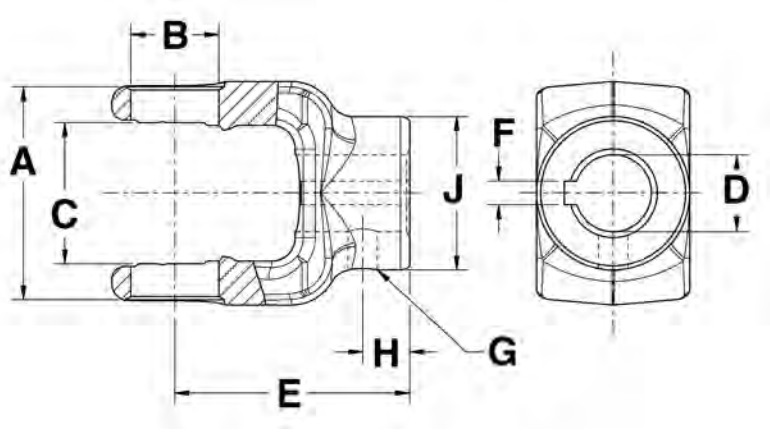
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	F Keyway Width	Keyway Location	G Set Screw Thread Size	Set Screw Location	H Set Screw To End Of Hub	J Hub Dia.	Part Number
1200	1.000 Round	3.500	0.250 / 0.250	(2) EAR	3/8-16	GAP	0.880	***	12-1215
1200	1.000 Round	5.250	0.251	EAR	1/8-27 NPT	GAP	1.750	***	12-1316
1200	1.125 Round	3.500	0.251/0.313	(2) EAR	3/8-16 UNC 2B	GAP	0.880	***	12-1216
1200	1.250 Round	2.750	0.250	GAP	3/8-16	GAP	0.625	***	12-1345
1200	1.250 Round	3.000	***	***	0.387 (Pin)	GAP	0.625	***	12-1330
1200	1.250 Round	3.310	0.3135	EAR	0.513 (Thru hole)	***	0.690	***	12-1605
1200	1.250 Round	3.500	0.310 / 0.250	(2) EAR	3/8-16	GAP	0.880	***	12-1218
1200	1.250 Round	5.250	0.313	EAR	1/8-27 NPT	GAP	1.750	***	12-1174
1200	1.375 Round	3.250	***	***	0.528 (Pin)	GAP	0.500	***	12-1320
1200	1.375 Round	3.500	0.310	EAR	3/8-16	GAP	0.880	***	12-1120
1200	1.4375 Round	3.000	0.376	GAP	3/8-16 UNC 2B	EAR	0.670	***	12-1419
1200	1.500 Round	2.750	0.376	GAP	3/8-16	GAP	0.625	***	12-1175
1200	1.500 Round	3.750	***	***	***	***	***	1.840	12-1334
			1800	B-1.00	C-2.34				
1800	1.000 Round	3.750	0.250	EAR	3/8-16	GAP	0.880	***	18-7115
1800	1.125 Round	3.750	0.3135	EAR	3/8-16	GAP	0.880	***	18-7117
1800	1.1875 Round	3.750	0.3135	EAR	3/8-16	GAP	0.880	***	18-7118
1800	1.191 Round	3.750	***	***	***	***	***	1.850	18-7308
1800	1.250 Round	3.750	0.3135	EAR	3/8-16	GAP	0.880	***	18-7119
1800	1.375 Round	3.500	***	***	0.528 (Pin)	GAP	0.500	***	18-7315
1800	1.375 Round	3.750	0.3135	EAR	3/8-16	GAP	0.880	***	18-7120
1800	1.500 Round	3.500	***	***	***	***	***	1.842	18-7305
			2000 Series	A-2.625	B-1.125	C-1.85			
2000	1.000 Round	3.750	0.250	EAR	3/8-16	GAP	0.880	***	20-9115
2000	1.125 Round	3.750	(2) .251, .313	EAR	3/8-16	GAP	0.880	***	20-9216

PTO ROUND BORE - INSIDE LOCK-UP (Cont'd)



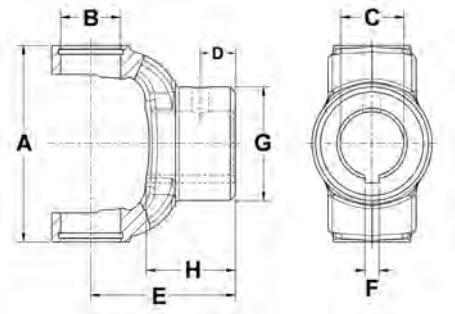
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	F Keyway Width	Keyway Location	G Set Screw Thread Size	Set Screw Location	H Set Screw To End Of Hub	J Hub Dia.	Part Number
2000 Series A-2.625 B-1.125 C-1.85									
2000	1.125 Round	3.750	***	***	0.247	GAP	0.880	***	20-9318
2000	1.1875 Round	3.750	(2) .251, .313	EAR	3/8-16	GAP	0.880	***	20-9217
2000	1.250 Round	3.750	(2) .251, .313	EAR	3/8-16	GAP	0.880	***	20-9218
2000	1.250 Round	3.750	***	***	0.247	GAP	0.880	***	20-9317
2000	1.375 Round	3.500	***	***	0.528	GAP	0.500	***	20-9160
2000	1.375 Round	3.750	0.313	EAR	3/8-16 (2)	EAR/GAP	0.880	***	20-9120
2000	1.375 Round	3.750	***	***	0.435	GAP	0.810	***	20-9189
2000	1.4375 Round	3.750	0.376	EAR	3/8-16	GAP	0.880	***	20-9154
2000	1.500 Round	3.750	0.376	EAR	3/8-16	GAP	0.880	***	20-9307
2000	1.500 Round	3.750	***	***	0.247	GAP	0.880	***	20-9320
2200 Series A-3.218 B-1.250 C-2.06									
2200	1.000 Round	4.190	0.251	EAR	3/8-16	GAP	0.880	***	22-1131
2200	1.125 Round	4.190	0.251	EAR	3/8-16	GAP	0.880	***	22-1132
2200	1.1875 Round	4.190	0.251	EAR	3/8-16	GAP	0.880	***	22-1129
2200	1.250 Round	4.190	***	***	0.247	GAP	0.880	***	22-1145
2200	1.250 Round	4.190	0.251, 0.313	EAR	3/8-16	GAP	0.880	***	22-1218
2200	1.375 Round	4.190	0.376, 0.313	EAR	3/8-16	GAP	0.880	***	22-1219
2200	1.375 Round	4.190	***	***	0.523	Gap	0.750	***	22-1337
2200	1.440 Round	4.190	0.376	EAR	3/8-16	Ear	1.000	***	22-1178
2200	1.500 Round	4.190	0.376	EAR	3/8-16	GAP	0.880	***	22-1120
2200	1.500 Round	4.190	0.376	EAR	3/8-16 (2)	Gap, Ear	0.880	***	22-1154
2200	1.500 Round	4.190	***	***	0.497	GAP	0.690	***	22-1162
2200	1.625 Round	4.380	0.376	EAR	3/8-16	Ear	0.630	***	22-1338
2200	1.750 Round	4.380	0.376	EAR	0.266	Gap	1.380	***	22-1316

PTO ROUND BORE - INSIDE LOCK-UP (Cont'd)



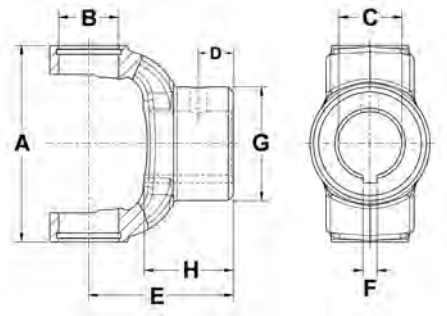
DL Series	D Bore Dia./ Shape	E CL To End Of Hub	F Keyway Width	Keyway Location	G Set Screw Thread Size	Set Screw Location	H Set Screw To End Of Hub	J Hub Dia.	Part Number
2600 Series B-1.37 C-2.81									
2600	1.380 Round	4.500	0.314	EAR	.375 - 16	GAP	0.880	***	26-5118
2600	1.500 Round	4.500	0.376	EAR	.375 - 16	GAP	0.880	***	26-5119
2600	1.750 Round	4.070	0.376	EAR	(2) 3/8-16 UNC	EAR/GAP	0.750	***	26-5131
2600	2.000 Round	4.500	0.500	GAP	3/8-16	EAR/GAP	0.750	***	26-5202
N44 Series B-1.31 C-2.79									
N44	1.250 Round	4.120	0.251, 0.313	EAR	3/8-16	GAP	0.880	***	44-2045
N44	1.375 Round	4.120	0.251, 0.313	EAR	3/8-16	GAP	0.880	***	44-2256
N44	1.500 Round	4.120	0.251, 0.313	EAR	3/8-16	GAP	0.880	***	44-2456
N44	1.625 Round	4.120	0.376	EAR	3/8-16	GAP	0.880	***	44-2610
N44	1.750 Round	4.120	0.376	EAR	3/8-16	GAP	0.880	***	44-2820
N44	2.000 Round	4.120	0.500	EAR	3/8-16	GAP	0.880	***	44-3200
N55 Series A-4.44 B-1.53									
N55	1.500 Round	4.630	0.376	EAR	3/8-16	GAP	1.000	***	55-2410
N55	1.625 Round	4.500	0.376	EAR	3/8-16	GAP	1.000	***	55-2600
N55	1.750 Round	4.060	0.376	EAR	3/8-16	GAP	0.750	***	55-2800
N55	2.000 Round	4.630	0.500	EAR	1/2-13	EAR	1.130	***	55-3240
N55	2.240 Round	4.630	***	***	***	***	***	***	55-3640

PTO ROUND BORE - OUTSIDE LOCK-UP



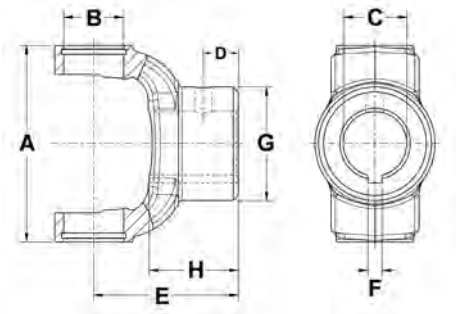
DL Series	C Bore Dia./Shape	Bolt Hole Dia.	D Bolt Hole Distance To End Of Hub	E CL To End Of Hub	F Keyway Width	Keyway Location	Set Screw Thread Size	Set Screw Location	End Of Hub To Set Screw	G Hub Dia.	Joint Angle (degrees)	H Length Through Bore	Part Number
1310 Series A-3.469 B-1.063													
1310	0.750 Round	***	***	2.562	***	***	***	***	***	2.000	17.0	1.625	N2-4-177
1310	0.875 Round	***	***	2.562	0.250	EAR	3/8-16	GAP	0.625	2.000	17.0	1.625	N2-4-583
1310	1.000 Round	***	***	2.562	0.250	EAR	3/8-16	GAP	0.625	2.000	17.0	1.625	N2-4-473
1310	1.125 Round	***	***	2.562	0.250	EAR	3/8-16	GAP	0.625	2.000	17.0	1.625	N2-4-503
1310	1.250 Round	***	***	2.562	0.312	EAR	3/8-16	EAR	0.625	2.000	17.0	1.625	N2-4-533
1310	1.250 Round	***	***	2.562	***	***	***	***	***	2.000	17.0	1.625	N2-4-533-1
1310	1.250 Round	***	***	2.562	0.250	EAR	3/8-16	EAR	0.625	2.000	17.0	1.625	N2-4-573
1310	1.375 Round	***	***	2.562	0.312	EAR	3/8-16	GAP	0.625	2.000	17.0	1.625	N2-4-1103
1310	1.375 Round	***	***	2.562	0.375	EAR	3/8-16	EAR	0.625	2.000	17.0	1.625	N2-4-803
1310	1.375 Round	***	***	2.562	***	***	***	***	***	2.000	17.0	1.625	N2-4-803-1
1310	1.500 Round	***	***	2.562	0.375	EAR	3/8-16	EAR	***	2.125	17.0	1.625	N2-4-1233
B&P1 Series A-2.126 B-0.866													
B&P1	1.000 Round	***	***	3.281	0.250	***	3/8-16	***	***	***	***	***	8-1008
B&P1	1.250 Round	0.375	0.590	3.109	***	***	***	***	***	***	***	***	8-0517
B&P1	1.250 Round	***	***	3.281	0.250	***	3/8-16	***	***	***	***	***	8-1010
B&P3 Series A-2.756 B-1.063													
B&P3	0.984 Round	0.315	0.790	3.344	***	***	***	GAP	***	***	***	***	8-0524
B&P4 Series A-2.937 B-1.063													
B&P4	1.375 Round	***	***	3.859	***	***	0.500	***	***	***	***	***	8-4016
B&P5 Series A-3.15 B-1.189													
B&P5	1.250 Round	***	***	3.781	0.250	***	3/8-16	***	***	***	***	***	8-5010
B&P5	1.375 Round	***	***	3.781	0.312	***	3/8-16	***	***	***	***	***	8-5011
B&P5	1.375 Round	***	***	3.781	***	***	0.500	***	***	***	***	***	8-5016
B&P5	1.500 Round	***	***	3.781	0.375	***	3/8-16	***	0.781	***	***	***	8-0501
B&P6 Series A-3.622 B-1.189													
B&P6	1.250 Round	***	***	4.141	0.250	***	3/8-16	***	***	***	***	***	8-6010
B&P6	1.375 Round	***	***	4.141	0.312	***	3/8-16	***	***	***	***	***	8-6011
B&P6	1.375 Round	***	***	4.344	***	***	0.500	***	***	***	***	***	8-6016

PTO ROUND BORE - OUTSIDE LOCK-UP(Cont'd)



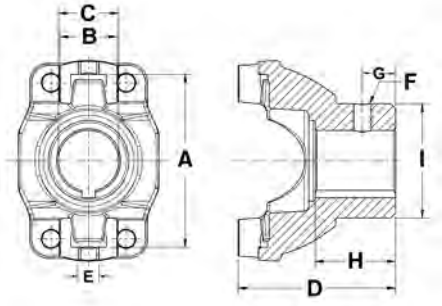
DL Series	C Bore Dia./Shape	Bolt Hole Dia.	D Bolt Hole Distance To End Of Hub	E CL To End Of Hub	F Keyway Width	Keyway Location	Set Screw Thread Size	Set Screw Location	End Of Hub To Set Screw	G Hub Dia.	Joint Angle (degrees)	H Length Through Bore	Part Number
					B&P7 Series		A-3.701	B-1.378					
B&P7	1.375 Round	***	***	4.125	0.312	***	3/8-16	***	***	***	***	***	8-7011
					B&P8 Series		A-4.193	B-1.378					
B&P8	1.375 Round	***	***	4.709	0.312	***	3/8-16	***	***	***	***	***	8-8011
B&P8	1.500 Round	***	***	4.709	0.312	***	3/8-16	***	***	***	***	***	8-8015
B&P8	1.750 Round	***	***	4.709	0.375	***	3/8-16	***	***	***	***	***	8-8016
					W2100 Series		A-2.156	B-0.859					
W2100	1.000 Round	***	***	3.094	***	***	0.312	***	***	***	***	***	8-2108
W2100	1.250 Round	***	***	3.094	***	***	0.375	***	***	***	***	***	8-2110
W2100	25.000 Round	***	***	3.109	8.000	***	M10	***	0.594	***	***	***	8-0518
					W2200 Series		A-2.413	B-0.937					
W2200	1.000 Round	***	***	3.234	0.250	***	3/8-16	***	***	***	***	***	8-2008
W2200	1.125 Round	***	***	3.234	0.250	***	3/8-16	***	0.781	***	***	***	8-0508
W2200	1.250 Round	0.375	0.590	3.234	***	***	***	***	***	***	***	***	8-0521
W2200	1.250 Round	***	***	3.234	0.250	***	3/8-16	***	***	***	***	***	8-2010
W2200	1.250 Round	0.375	0.790	4.125	***	***	***	***	***	***	***	***	8-0528
W2200	1.375 Round	0.375	0.590	3.234	***	***	***	***	***	***	***	***	8-0522
W2200	1.500 Round	***	***	4.125	0.375	***	3/8-16	***	0.781	***	***	***	8-0514
W2200	1.750 Round	***	***	4.125	0.375	***	3/8-16	***	0.781	***	***	***	8-0515
W2200	30.000 Round	***	***	3.234	8.000	***	M10	***	0.781	***	***	***	8-0510
					W2300 Series		A-2.937	B-1.063					
W2300	1.250 Round	0.375	0.790	3.859	***	***	***	***	***	***	***	***	8-0526
W2300	1.250 Round	***	***	3.859	0.250	***	3/8-16	***	***	***	***	***	8-4010
W2300	1.375 Round	***	***	3.859	0.312	***	3/8-16	***	***	***	***	***	8-4011
W2300	1.500 Round	***	***	3.859	0.375	***	3/8-16	***	0.781	***	***	***	8-0512
W2300	30.000 Round	***	***	3.859	8.000	***	M10	***	0.781	***	***	***	8-0513
W2300	30.000 Round	0.394	0.790	3.859	***	***	***	***	***	***	***	***	8-0527

PTO ROUND BORE - OUTSIDE LOCK-UP(Cont'd)



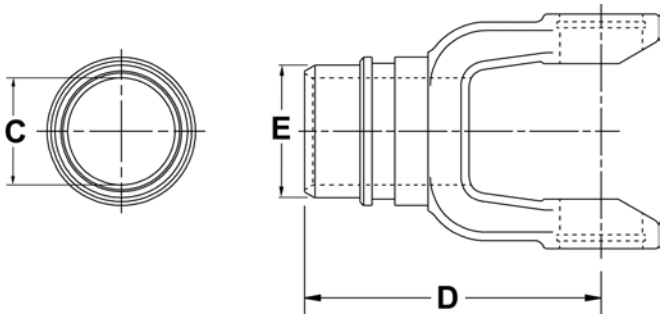
DL Series	C Bore Dia./Shape	Bolt Hole Dia.	D Bolt Hole Distance To End Of Hub	E CL To End Of Hub	F Keyway Width	Keyway Location	Set Screw Thread Size	Set Screw Location	End Of Hub To Set Screw	G Hub Dia.	Joint Angle (degrees)	H Length Through Bore	Part Number
W2400 Series A-2.992 B-1.260													
W2400	1.250 Round	***	***	3.781	0.250	***	3/8-16	***	***	***	***	***	8-2410
W2400	1.375 Round	***	***	3.781	***	***	0.500	***	***	***	***	***	8-2411
W2400	40.000 Round	***	***	3.781	12.000	***	M12	***	0.781	***	***	***	8-0505
W2400	40.000 Round	0.512	0.790	3.781	***	***	***	***	***	***	***	***	8-0520
W2500 Series A-3.504 B-1.417													
W2500	1.375 Round	***	***	4.125	0.375	***	3/8-16	***	***	***	***	***	8-2511
W2500	1.500 Round	***	***	4.125	0.375	***	3/8-16	***	***	***	***	***	8-2515
W2500	1.500 Round	0.500	***	4.125	***	***	***	***	***	***	***	***	8-2535
WI													
WI	1.000 Round	***	***	3.344	0.250	***	3/8-16	***	***	***	***	***	8-3011
WI	1.250 Round	***	0.790	3.344	***	***	***	***	***	***	***	***	8-0523
WI	1.250 Round	***	***	3.344	0.250	***	3/8-16	***	***	***	***	***	8-3010
WI	1.375 Round	***	***	3.344	***	***	0.500	***	***	***	***	***	8-3016
WI	30.000 Round	0.394	0.790	3.344	***	***	***	***	***	***	***	***	8-0525

PTO ROUND BORE - U-BOLT



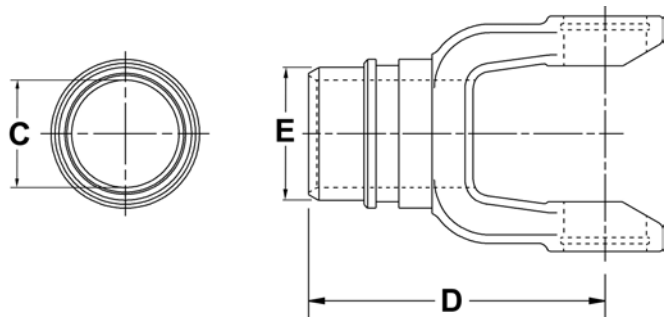
DL Series	C Bore Dia./Shape	D CL To End Of Hub	E Keyway Width	Keyway Location	F Set Screw Thread Size	Set Screw Location	G Set Screw To End Of Hub	H Length Thru Bore	I Hub Dia.	Joint Angle	Part Number
1310HR Series A-3.219 B-1.063											
1310HR	1.125 Round	2.938	0.250	EAR	3/8-16	GAP	0.625	1.500	2.125	22.0	N2-4-782
1310HR	1.250 Round	2.938	0.312	EAR	3/8-16	EAR	0.625	1.500	2.125	22.0	N2-4-783
1310HR	1.250 Round	2.938	0.250 / 0.312	EAR	3/8-16	GAP	0.625	1.500	2.125	22.0	N2-4-783-1
1350HR Series A-3.622 B-1.188											
1350HR	1.250 Round	3.000	0.312	EAR	3/8-16	GAP	0.625	1.500	2.250	***	N3-4-283-1

PTO ROUND BORE - WELD YOKE



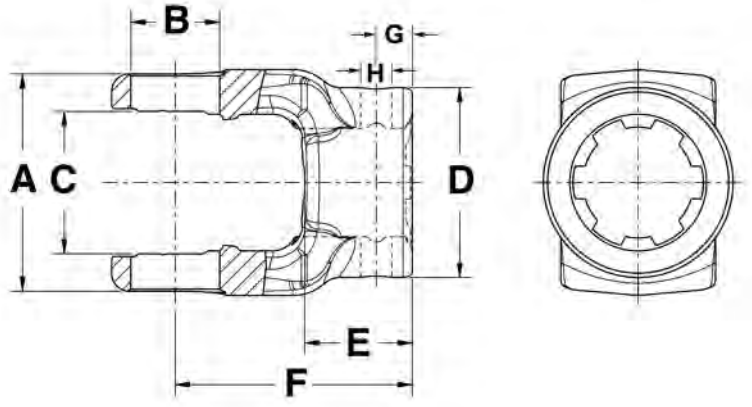
DL Series	C Bore Dia./ Shape	D CL To End Of Hub	E Hub Dia.	Part Number
2200 Series A-3.218 B-1.250 C-2.06				
2200	1.630 Round	4.440	1.975	22-1307
2200	1.630 Round	4.440	1.889	22-1325
2200	1.630 Round	4.440	2.000	22-1343
2600 Series B-1.37 C-2.81				
2600	2.000 Round	5.250	2.540	26-5155

PTO ROUND BORE - WELD YOKE(Cont'd)



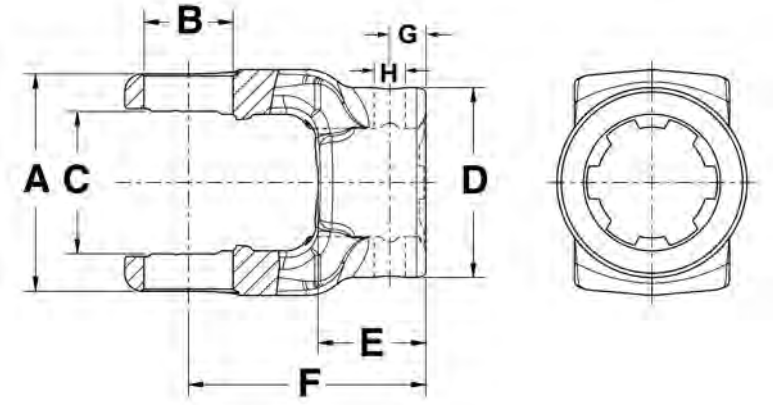
DL Series	C Bore Dia./ Shape	D CL To End Of Hub	E Hub Dia.	Part Number
N44 Series B-1.31 C-2.79				
N44	1.870 Round	4.880	2.860	44-2200

PTO SPLINED BORE - INSIDE LOCK-UP



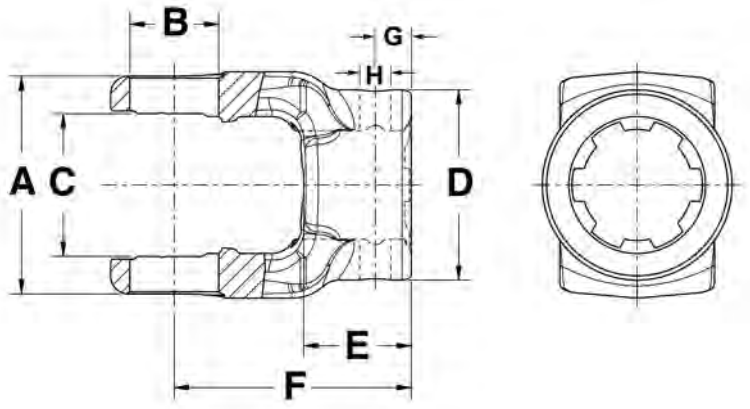
DL Series	Bore Dia./Shape	D Hub Dia.	E Length Through Bore	F CL To End Of Hub	F CL To End Of Stub	Keyway Width	Keyway Location	G End Of Hub To Set Screw	Set Screw Thread Size	Set Screw Location	H Set Screw Thread Size	Spline/Number Teeth	Yoke Location	Part Number
1000 Series A-2.312 B-0.938 C-1.500														
1000	0.875-13 Involute Spline	1.630	***	1.690	***	***	***	***	***	***	***	***	***	10-5876
1000	0.875-13 Involute Spline	1.630	***	2.500	***	***	***	***	***	***	***	***	***	10-4333
1000	0.875-13 Involute Spline	1.625	1.219	2.500	***	***	***	0.500	***	GAP	3/8-16	0.875-13	***	10-4481

PTO SPLINED BORE - INSIDE LOCK-UP(Cont'd)



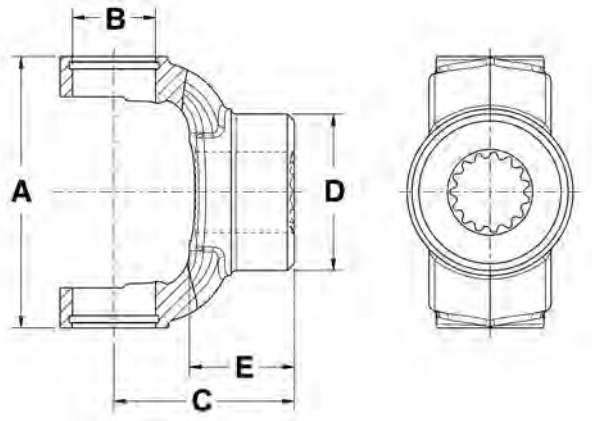
DL Series	Bore Dia./Shape	D Hub Dia.	E Length Through Bore	F CL To End Of Hub	F CL To End Of Stub	Keyway Width	Keyway Location	G End Of Hub To Set Screw	Set Screw Thread Size	Set Screw Location	H Set Screw Thread Size	Spline/Number Teeth	Yoke Location	Part Number
					1000 Series		A-2.312	B-0.938	C-1.500					
1000	0.875-13 Involute Spline	***	***	3.810	***	***	***	0.440	1/4-20	EAR	1/4-20	0.875-13 Involute Spline	***	10-4641
1000	0.875-36 Spline	***	***	2.500	***	0.110	EAR	***	***	***	***	***	***	10-4841
1000	1.000 6A Spline	***	***	2.500	***	***	***	***	***	***	***	1.000-6	***	10-5158
1000	1.000-15 Involute Spline	1.630	***	2.250	***	***	***	0.375	***	GAP	0.280 (Pin)	***	***	10-5871
1000	1.000-15 Involute Spline	***	***	2.813	***	***	***	***	***	***	***	***	***	10-5366
1000	1.000-15 Involute Spline	***	***	5.380	5.380	***	***	***	***	***	***	***	***	10-0615
1000	1.125 6B Spline	1.625	2.031	2.500	***	***	***	0.500	***	GAP	0.330 DT (2)	1.125-6	***	10-0411
1000	1.375-6 Spline	2.000	1.219	2.500	***	***	***	0.375	***	GAP	0.330 DT (2)	1.375-6	***	10-0431
1000	1.375-6 Spline	3.562	3.030	3.500	***	***	***	***	***	***	***	1.375-6	Implement	10-4137
1000	1.375-6 Spline	3.562	3.030	3.500	***	***	***	***	***	***	***	1.375-6	Tractor	10-4139
1000	1.375-6B Spline	1.800	***	4.060	***	***	***	***	***	***	***	***	***	10-5430
1000	1.375-21 Involute Spline	1.760	***	3.530	***	***	***	***	***	***	***	***	***	10-5411
1000	1.375-21 Spline	1.775	***	3.530	***	***	***	***	***	***	***	***	Implement	10-5412

PTO SPLINED BORE - INSIDE LOCK-UP(Cont'd)



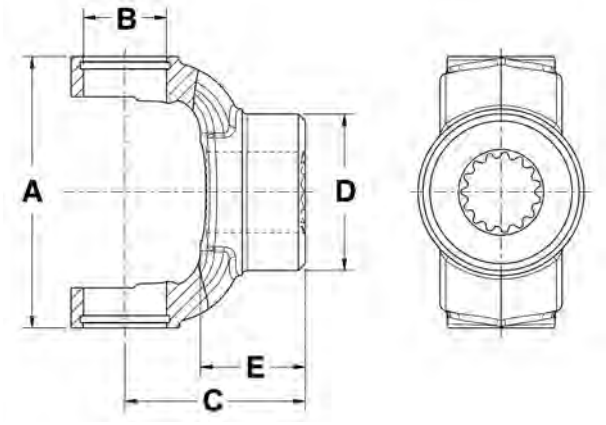
DL Series	Bore Dia./Shape	D Hub Dia.	E Length Through Bore	F CL To End Of Hub	F CL To End Of Stub	Keyway Width	Keyway Location	G End Of Hub To Set Screw	Set Screw Thread Size	Set Screw Location	H Set Screw Thread Size	Spline/Number Teeth	Yoke Location	Part Number
					1200 Series			A-2.562	B-1.063	C-1.812				
1200	0.875-13 Involute Spline	***	***	3.000	***	***	***	***	***	***	***	***	***	12-1533
1200	0.875-13 Involute Spline	***	***	3.250	***	***	***	0.690	***	GAP	0.513 (Pin) (2)	***	***	12-1600
1200	1.000 - 15 Spline	***	***	3.250	***	***	***	***	***	***	0.523 (2)	***	***	12-1690
1200	1.000-15 Involute Spline	1.500	***	3.500	***	***	***	***	***	GAP	(2) 0.377 (QD ball hole)	***	***	12-2300
1200	1.250-6B Spline	***	***	5.250	***	***	***	1.750	***	GAP	1/8-27 NPT	***	***	12-1171
1200	1.375-6B Involute Spline	***	***	3.500	***	***	***	0.940	***	GAP	0.325 (Pin)	***	***	12-1172
1200	1.375-6B Spline	1.760	***	4.060	***	***	***	1.000	***	GAP	***	***	***	12-1190
1200	1.375-6B Spline	1.760	***	4.060	***	***	***	1.000	***	***	***	***	***	12-1300
1200	1.375-6B Spline	1.800	***	4.500	***	***	***	***	***	***	(3) 0.502 (QD ball hole)	***	***	12-2330
1200	1.375-21 Involute Spline	1.770	***	4.060	***	***	***	1.000	***	GAP	***	***	***	12-1193
1200	1.375-21 Involute Spline	1.770	***	4.060	***	***	***	1.000	***	***	***	***	***	12-1350
1200	1.438 Round	***	***	2.750	***	0.377	GAP	0.630	***	EAR	3/8-16	***	***	12-1140

PTO SPLINED BORE - OUTSIDE LOCK-UP



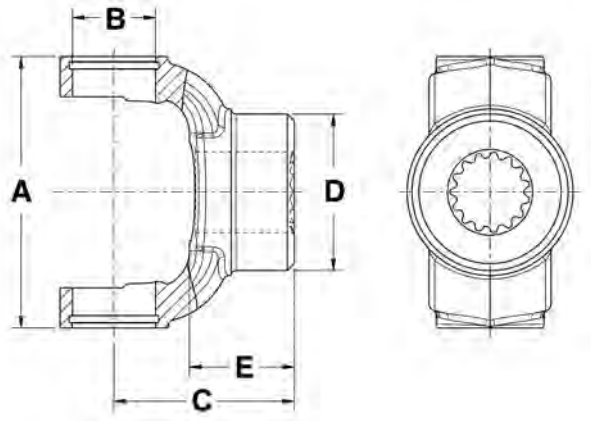
DL Series	Bore Dia./Shape	C CL To End Of Hub	D Hub Dia.	E Length Through Bore	Set Screw Thread Size	Set Screw Location	Set Screw To End Of Hub	Joint Angle	Keyway Location	Keyway Width	Spline/Number Teeth	Part Number
					1310 Series	A-3.469	B-1.063					
1310	0.875-13 Involute Spline	2.562	2.000	1.516	3/8-16	GAP	0.625	17.0	***	***	0.875-13	N2-4-3331
1310	1.000-15 Involute Spline	2.312	2.000	1.266	***	***	***	17.0	***	***	1.000-15	N2-4-4921
					1800	B-1.00	C-2.34					
1800	1 3/8 - 21 Involute spline	4.250	***	***	0.560	Gap	0.940	***	***	***	***	18-7405
1800	1.156-17 Involute Spline	2.750	***	***	0.513 (Pin) (2)	GAP	***	***	EAR	0.13 (2)	***	18-7323
1800	1.250-6B Spline	3.250	2.250	***	1/2-20 UNF 2B	GAP	1.060	***	n/a	n/a	***	18-7445
1800	1.250-14 Involute Spline	4.250	***	***	1/4-20 UNF 2B	GAP	0.880	***	n/a	n/a	***	18-7529
1800	1.375-6B Involute Spline	3.750	***	***	0.335 (Pin)	GAP	0.940	***	***	***	***	18-7132
1800	1.375-6B Spline	4.250	1.940	***	0.560 (pin hole)	GAP	0.940	***	***	***	***	18-7403
1800	1.375-6B Spline	4.250	1.940	***	0.560 (pin hole)	GAP	0.940	***	***	***	***	18-7404
1800	1.375-6B Spline	4.450	1.800	***	***	***	***	***	***	***	***	18-7330
1800	1.375-21 Involute Spline	4.250	1.940	***	0.560 (pin hole)	GAP	0.940	***	***	***	***	18-7406
1800	1.375-21 Involute Spline	4.350	1.800	***	0.500 (3, ball hole)	n/a	1.300	***	***	***	***	18-7339

PTO SPLINED BORE - OUTSIDE LOCK-UP(Cont'd)



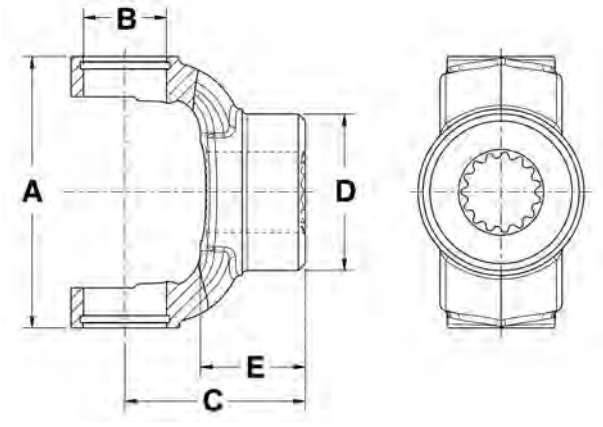
DL Series	Bore Dia./Shape	C CL To End Of Hub	D Hub Dia.	E Length Through Bore	Set Screw Thread Size	Set Screw Location	Set Screw To End Of Hub	Joint Angle	Keyway Location	Keyway Width	Spline/Number Teeth	Part Number
2000 Series A-2.625 B-1.125 C-1.85												
2000	1.250-6B Spline	3.500	***	***	1/2-20	***	1.060	***	***	***	***	20-9306
2000	1.375-6B Involute Spline	3.750	***	***	0.325 (Pin)	GAP	0.940	***	***	***	***	20-9132
2000	1.375-6B Spline	4.220	1.940	***	0.560	***	0.910	***	EAR	***	***	20-9309
2000	1.375-6B Spline	4.220	1.940	***	0.560	***	0.910	***	***	***	***	20-9319
2000	1.375-6B Spline	4.750	1.805	***	0.500 (3)	***	1.290	***	***	***	***	20-9330
2000	1.375-21 Involute Spline	4.220	1.940	***	0.560	GAP	0.910	***	***	***	***	20-9324
2000	1.375-21 Involute Spline	4.220	1.940	***	0.560	GAP	0.910	***	***	***	***	20-9325
2000	1.375-21 Involute Spline	4.750	1.805	***	0.500 (3)	***	1.290	***	***	***	***	20-9321
2200 Series A-3.218 B-1.250 C-2.06												
2200	1.125-6B Spline	4.190	***	***	0.325	GAP	1.250	***	***	***	***	22-1142
2200	1.375-6B Involute Spline	4.750	***	***	0.520	GAP	0.940	***	***	***	***	22-1140
2200	1.375-6B Involute Spline	5.000	1.805	***	(3) .500	***	1.292	***	***	***	***	22-2330
2200	1.375-6B Spline	4.130	2.300	***	1/2-20	Gap	1.060	***	***	***	***	22-1226
2200	1.375-6B Spline	4.190	***	***	0.325	GAP	1.250	***	***	***	***	22-1134
2200	1.375-6B Spline	4.190	***	***	0.325	GAP	0.940	***	***	***	***	22-1138
2200	1.375-6B Spline	4.810	2.280	***	0.560	Gap	1.000	***	***	***	***	22-2312
2200	1.375-6B Spline	4.810	2.280	***	0.560	Gap	1.000	***	***	***	***	22-2315
2200	1.375-21 Involute Spline	4.510	***	***	0.340	Gap	1.000	***	***	***	***	22-1330
2200	1.375-21 Involute Spline	4.760	2.630	***	0.516	***	0.950	***	***	***	***	22-1105

PTO SPLINED BORE - OUTSIDE LOCK-UP(Cont'd)



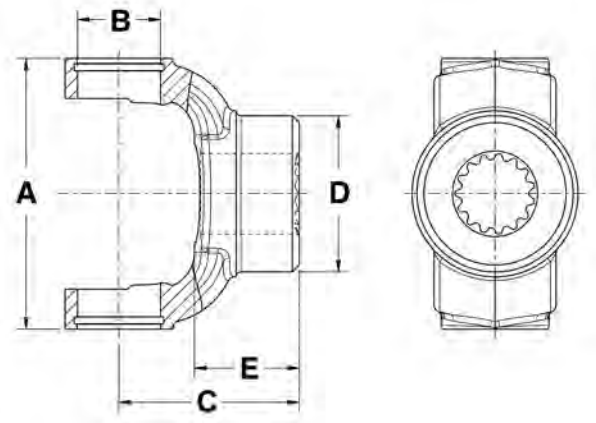
DL Series	Bore Dia./Shape	C CL To End Of Hub	D Hub Dia.	E Length Through Bore	Set Screw Thread Size	Set Screw Location	Set Screw To End Of Hub	Joint Angle	Keyway Location	Keyway Width	Spline/Number Teeth	Part Number
2200 Series A-3.218 B-1.250 C-2.06												
2200	1.375-21 Involute Spline	4.810	2.280	***	0.560	Gap	1.000	***	***	***	***	22-2316
2200	1.375-21 Involute Spline	4.810	2.280	***	0.560	Gap	1.000	***	***	***	***	22-2317
2200	1.375-21 Involute Spline	5.010	1.805	***	(3) .500	***	***	***	***	***	***	22-3521
2200	1.750-20 Involute Spline	4.780	***	***	0.516	GAP	0.970	***	***	***	***	22-2275
2200	1.750-20 Involute Spline	5.630	***	***	***	***	***	***	***	***	***	22-1319
2600 Series B-1.37 C-2.81												
2600	1.375-6B Spline	5.220	2.260	***	0.560 (2)	GAP	1.160	***	***	***	***	26-5321
2600	1.375-6B Spline	5.220	2.260	***	0.560 (2)	GAP	1.160	***	***	***	***	26-5324
2600	1.375-6B Spline	5.440	1.810	***	0.502 (3)	***	1.287	***	***	***	***	26-5306
2600	1.375-21 Involute Spline	5.060	2.260	***	0.560 (2)	GAP	1.000	***	***	***	***	26-5319
2600	1.375-21 Involute Spline	5.060	2.260	***	0.560 (2)	GAP	1.000	***	***	***	***	26-5323
2600	1.375-21 Involute Spline	5.070	2.260	***	0.520 (2)	GAP	1.000	***	***	***	***	26-5169
2600	1.375-21 Involute Spline	5.440	1.180	***	0.502 (3)	***	1.287	***	***	***	***	26-5325
2600	1.500-23 Involute Spline	5.130	3.250	***	0.340 (thru hole)	GAP	1.000	***	***	***	***	26-5231
2600	1.750-20 Spline	6.000	2.440	***	0.627 (4)	EAR/ GAP	1.940	***	***	***	***	26-5163
2600	1.750-27 Involute Spline	5.250	2.440	***	0.660 (Thru hole)	***	1.130	***	EAR	0.130	***	26-5135

PTO SPLINED BORE - OUTSIDE LOCK-UP(Cont'd)



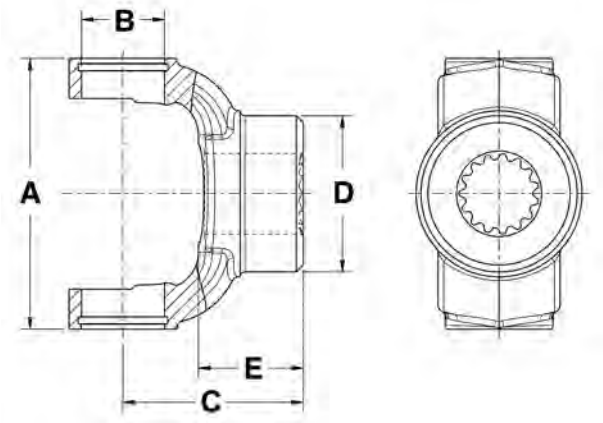
DL Series	Bore Dia./Shape	C CL To End Of Hub	D Hub Dia.	E Length Through Bore	Set Screw Thread Size	Set Screw Location	Set Screw To End Of Hub	Joint Angle	Keyway Location	Keyway Width	Spline/Number Teeth	Part Number
B&P1 Series A-2.126 B-0.866												
B&P1	1.375-6 Spline	3.625	***	***	***	***	***	***	***	***	1.375-6	8-1012
B&P1	1.375-21 Spline	3.625	***	***	***	***	***	***	***	***	1.375-21	8-1021
B&P5 Series A-3.15 B-1.189												
B&P5	1.375-6 Spline	4.406	***	***	***	***	***	***	***	***	1.375-6	8-5012
B&P6 Series A-3.622 B-1.189												
B&P6	1.375-6 Spline	4.812	***	***	***	***	***	***	***	***	1.375-6	8-6012
B&P6	1.375-21 Spline	4.406	***	***	***	***	***	***	***	***	1.375-21	8-5021
B&P6	1.375-21 Spline	4.812	***	***	***	***	***	***	***	***	1.375-21	8-6021
B&P6	1.750-20 Spline	4.797	***	***	***	***	***	***	***	***	1.750-20	8-0303
B&P7 Series A-3.701 B-1.378												
B&P7	1.375-6 Spline	4.812	***	***	***	***	***	***	***	***	1.375-6	8-7012
B&P7	1.375-21 Spline	4.812	***	***	***	***	***	***	***	***	1.375-21	8-7021
B&P7	1.750-20 Spline	4.812	***	***	***	***	***	***	***	***	1.750-20	8-7014
B&P8 Series A-4.193 B-1.378												
B&P8	1.375-6 Spline	4.921	***	***	***	***	***	***	***	***	1.375-6	8-8012
B&P8	1.375-21 Spline	4.921	***	***	***	***	***	***	***	***	1.375-21	8-8021
B&P8	1.750-20 Spline	4.921	***	***	***	***	***	***	***	***	1.750-20	8-8014
B&P9 Series A-4.252 B-1.614												
B&P9	1.375-6 Spline	4.969	***	***	***	***	***	***	***	***	1.375-6	8-0300
B&P9	1.375-21 Spline	4.969	***	***	***	***	***	***	***	***	1.375-21	8-0302
B&P9	1.750-20 Spline	4.969	***	***	***	***	***	***	***	***	1.750-20	8-0301

PTO SPLINED BORE - OUTSIDE LOCK-UP(Cont'd)



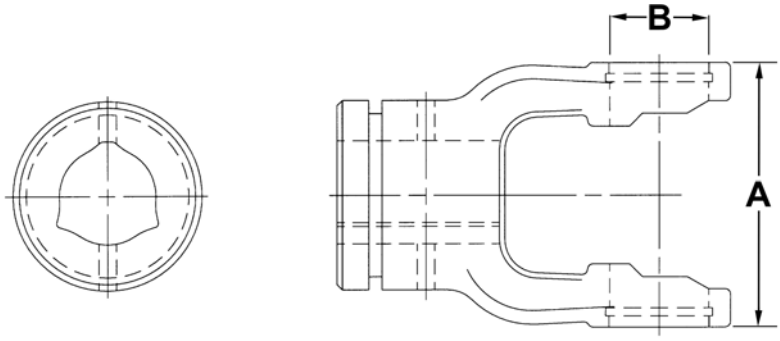
DL Series	Bore Dia./Shape	C CL To End Of Hub	D Hub Dia.	E Length Through Bore	Set Screw Thread Size	Set Screw Location	Set Screw To End Of Hub	Joint Angle	Keyway Location	Keyway Width	Spline/Number Teeth	Part Number
N44 Series B-1.31 C-2.79												
N44	1.375-6B Spline	4.120	***	***	0.325	GAP	0.880	***	***	***	***	44-2206
N44	1.375-6B Spline	4.870	***	***	0.560	GAP	1.000	***	***	***	***	44-2220
N44	1.375-6B Spline	5.290	1.180	***	0.502 (3)	***	1.294	***	***	***	***	44-4406
N44	1.375-21 Involute Spline	4.870	***	***	0.560	GAP	1.000	***	***	***	***	44-2201
N44	1.375-21 Involute Spline	5.290	1.180	***	0.502 (3)	***	1.294	***	***	***	***	44-4421
N44	1.750-20 Involute Spline	4.880	***	***	0.692	GAP	1.000	***	***	***	***	44-6300
N44	1.750-20 Involute Spline	5.000	***	***	0.638	GAP	1.000	***	***	***	***	44-4475
N55 Series A-4.44 B-1.53												
N55	1.375-6 Spline	5.310	***	***	0.560	GAP	***	***	***	***	***	55-9306
N55	1.375-21 Involute Spline	6.130	***	***	0.560	GAP	***	***	***	***	***	55-9321
N55	1.750-20 Involute Spline	5.630	***	***	0.638	GAP	1.000	***	***	***	***	55-2836
N55	1.750-20 Involute Spline	6.130	***	***	0.560	GAP	***	***	***	***	***	55-9320
W2100 Series A-2.156 B-0.859												
W2100	1.375-6 Spline	3.625	***	***	***	***	***	***	***	***	1.375-6	8-2112
W2100	1.375-21 Spline	3.625	***	***	***	***	***	***	***	***	1.375-21	8-2121
W2200 Series A-2.413 B-0.937												
W2200	1.375-6 Spline	3.812	***	***	***	***	***	***	***	***	1.375-6	8-2012
W2200	1.375-21 Spline	3.812	***	***	***	***	***	***	***	***	1.375-21	8-2021

PTO SPLINED BORE - OUTSIDE LOCK-UP(Cont'd)



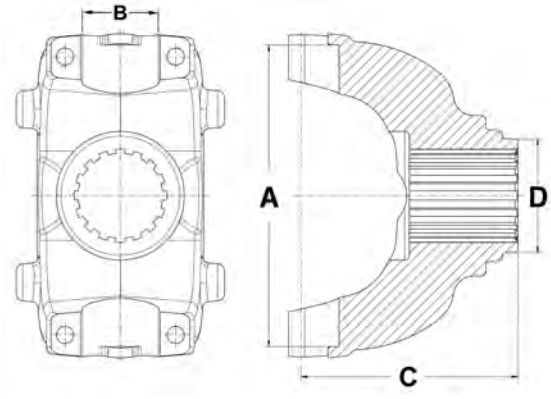
DL Series	Bore Dia./Shape	C CL To End Of Hub	D Hub Dia.	E Length Through Bore	Set Screw Thread Size	Set Screw Location	Set Screw To End Of Hub	Joint Angle	Keyway Location	Keyway Width	Spline/Number Teeth	Part Number
W2300 Series A-2.937 B-1.063												
W2300	1.375-6 Spline	4.281	***	***	***	***	***	***	***	***	1.375-6	8-4012
W2300	1.375-21 Spline	4.281	***	***	***	***	***	***	***	***	1.375-21	8-4021
W2400 Series A-2.992 B-1.260												
W2400	1.375-6 Spline	4.406	***	***	***	***	***	***	***	***	1.375-6	8-2412
W2400	1.375-21 Spline	4.406	***	***	***	***	***	***	***	***	1.375-21	8-2421
W2500 Series A-3.504 B-1.417												
W2500	1.375-6 Spline	4.812	***	***	***	***	***	***	***	***	1.375-6	8-2512
W2500	1.375-21 Spline	4.812	***	***	***	***	***	***	***	***	1.375-21	8-2521
W2500	1.750-20 Spline	4.812	***	***	***	***	***	***	***	***	1.750-20	8-2514
WI												
WI	1.375-6 Spline	4.094	***	***	***	***	***	***	***	***	1.375-6	8-3012
WI	1.375-21 Spline	4.094	***	***	***	***	***	***	***	***	1.375-21	8-3021

PTO - INNER TUBE PROFILE



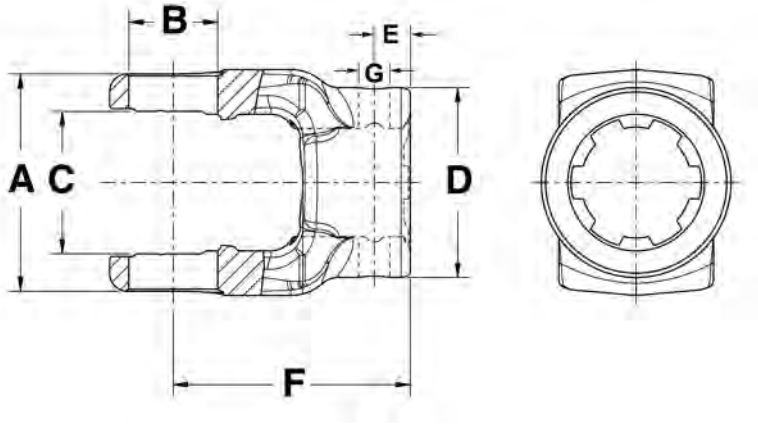
DL Series	Bore Dia./ Shape	CL To End Of Hub	Tube Pin Hole	Part Number
	B&P1 Series	**A-2.126 B-0.866**		
B&P1	1.031 Inner Profile	3.094	***	8-1030
	B&P2 Series	**A-2.413 B-0.937**		
B&P2	1.141 Inner Profile	3.219	***	8-2030
	B&P3 Series	**A-2.756 B-1.063**		
B&P3	1.421 Inner Profile	3.375	***	8-3030
	B&P4 Series	**A-2.937 B-1.063**		
B&P4	1.421 Inner Profile	3.859	***	8-4030
	B&P5 Series	**A-3.15 B-1.189**		
B&P5	1.781 Inner Profile	3.781	***	8-5030
	B&P6 Series	**A-3.622 B-1.189**		
B&P6	1.781 Inner Profile	4.125	***	8-6030
	B&P7 Series	**A-3.701 B-1.378**		
B&P7	1.750 Inner Profile	4.125	***	8-7030
	B&P8 Series	**A-4.193 B-1.378**		
B&P8	2.125 Inner Profile	4.709	***	8-8030
	B&P9 Series	**A-4.252 B-1.614**		
B&P9	2.125 Inner Profile	5.125	0.470	8-0600
	W2100 Series	**A-2.156 B-0.859**		
W2100	0.921 Inner Profile	3.094	***	8-2130
	W2200 Series	**A-2.413 B-0.937**		
W2200	1.359 Inner Profile	3.234	***	8-2230
	W2300 Series	**A-2.937 B-1.063**		
W2300	1.359 Inner Profile	3.859	***	8-2330
	W2400 Series	**A-2.992 B-1.260**		
W2400	1.562 Inner Profile	3.781	***	8-2430
	W2500 Series	**A-3.504 B-1.417**		
W2500	2.000 Inner Profile	4.125	***	8-2530

PTO - OUTER TUBE PROFILE



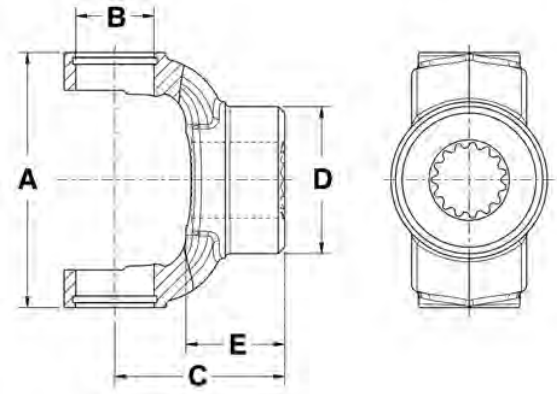
DL Series	Bore Dia./ Shape	C CL To End Of Hub	D Hub Dia.	Tube Pin Hole	Part Number
	2200 Series	**A-3.218**	**B-1.250**	**C-2.06**	
2200	1.625 Outer Profile	3.228	2.283	***	8-2220
	B&P1 Series	**A-2.126**	**B-0.866**		
B&P1	1.281 Outer Profile	3.156	***	***	8-1020
	B&P2 Series	**A-2.413**	**B-0.937**		
B&P2	1.406 Outer Profile	3.312	***	***	8-2020
	B&P3 Series	A-2.756	B-1.063		
B&P3	1.688 Outer Profile	3.156	***	***	8-3020
	B&P4 Series	**A-2.937**	**B-1.063**		
B&P4	1.688 Outer Profile	3.688	***	***	8-4020
	B&P5 Series	A-3.15	B-1.189		
B&P5	2.031 Outer Profile	3.875	***	***	8-5020
	B&P6 Series	**A-3.622**	**B-1.189**		
B&P6	2.125 Outer Profile	4.219	***	***	8-6020
	B&P7 Series	**A-3.701**	**B-1.378**		
B&P7	2.125 Outer Profile	4.219	***	***	8-7020
	B&P8 Series	**A-4.193**	**B-1.378**		
B&P8	2.500 Outer Profile	4.709	***	***	8-8020
	B&P9 Series	**A-4.252**	**B-1.614**		
B&P9	2.484 Outer Profile	5.125	***	0.470	8-0650
	W2100 Series	**A-2.156**	**B-0.859**		
W2100	1.181 Outer profile	3.094	***	***	8-2120
	W2300 Series	**A-2.937**	**B-1.063**		
W2300	1.625 Outer Profile	3.859	***	***	8-2320
	W2400 Series	**A-2.992**	**B-1.260**		
W2400	1.891 Outer Profile	3.781	***	***	8-2420
	W2500 Series	**A-3.504**	**B-1.417**		
W2500	2.406 Outer Profile	4.125	***	***	8-2520

DRIVESHAFT SPLINED - INSIDE LOCK-UP



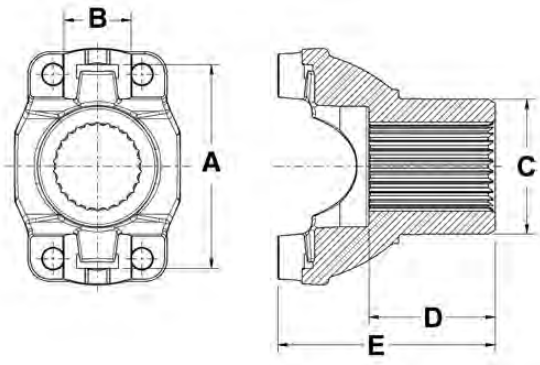
DL Series	Spline/Number Teeth	D Hub Dia.	E Pin Hole Distance To End Of Hub	F CL UJ To End Of Hub	G Pin Dia.	Bolt Circle	Bolt Pattern	Flange Face To CL	Hole/ Thread Size	Number Of Bolt Holes	Part Number
					1000 Series A-2.312 B-0.938 C-1.500						
1000	0.984-22	1.297	***	3.000	***	2.5	2.5 BC	2.400	M8x1.250 Thru	4	NOE-02-2125-A
1000	0.984-22	1.438	0.688	3.219	0.232-0.238 One side only	***	***	***	***	***	NOE-04-2190-A
1000	0.984-22	1.438	0.500	3.297	0.232-0.238 One side only	***	***	***	***	***	NOE-04-2192-A
1000	0.984-22	1.438	0.688	3.438	0.232-0.238 One side only	***	***	***	***	***	NOE-04-2183-A
1000	1.026-15	1.625	***	2.500	***	***	***	***	***	***	NOE-04-5695-A

DRIVESHAFT SPLINED - OUTSIDE LOCK-UP



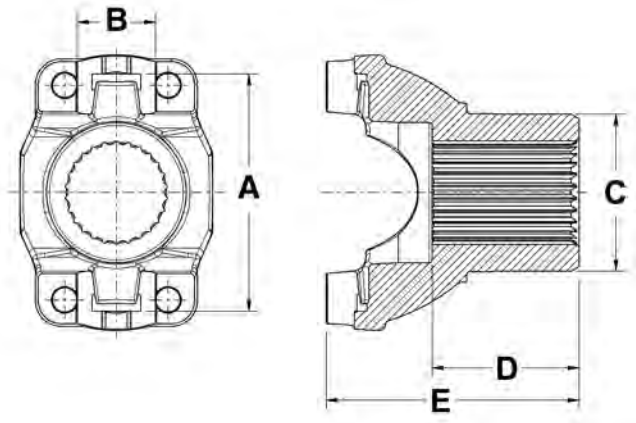
DL Series	Spline/Number Teeth	C CL To End Of Hub	D Hub Dia.	E Length Through Bore	Hole/ Thread Size	Pin Dia.	Pin Hole To End Of Hub	UJ Retention	Part Number
1310 Series A-3.469 B-1.063									
1310	1.250-19	2.500	1.995	1.450	1/4-28 UNF 2B	0.120	0.590	OSR	N2-4-1087
1310	30mm-22	2.560	2.005	1.510	***	***	***	OSR	N2-4-4921-22
1350 Series A-3.875 B-1.188									
1350	1.375-10	3.310	1.770	1.781	***	***	***	***	N3-4-FD03

SPLINED - CV CONSTRUCTION



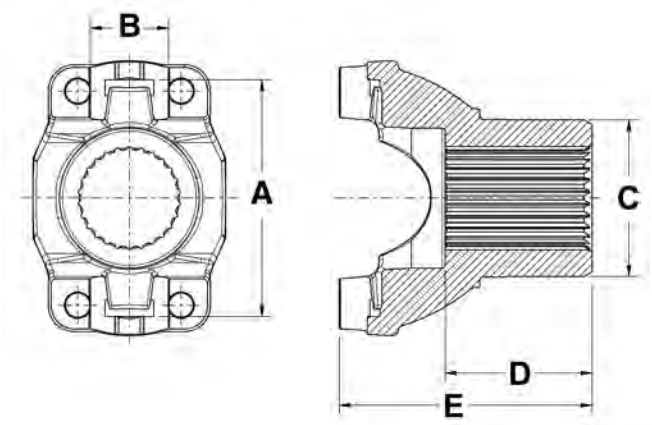
DL Series	Spline/Number Teeth	UJ Retention	C Hub Dia.	D Length Thru Hole	E CL To End Of Hub	Joint Angle	Part Number
1310HR Series A-3.219 B-1.063							
1310HR	1.125-10	CV	1.547	1.500	3.000	13.0	N2-4-4061X
1310HR	1.146-26	CV	1.547	1.500	3.000	13.0	N2-4-4341
1310HR	1.401-32	CV	1.939	2.000	3.844	13.0	N2-4-JK03
1310HR	1.401-32	CV	1.875	2.000	3.875	13.0	N2-4-5341
1350HR Series A-3.622 B-1.188							
1350HR	1.401-32	CV	1.939	2.000	4.010	***	N3-4-JL-TCF

SPLINED - U-BOLT CONSTRUCTION



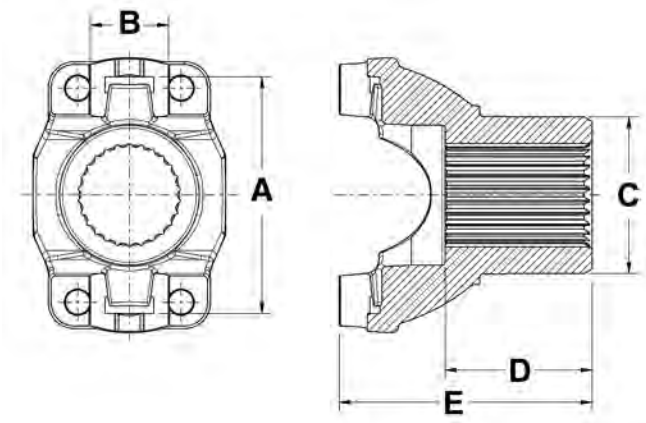
DL Series	Spline/Number Teeth	Uj Retention	C Hub Dia.	D Length Thru Hole	E CL To End Of Hub	Joint Angle	Part Number
1310HR Series A-3.219 B-1.063							
1310HR	1.125-10	U-Bolt	1.547	1.500	3.000	25.0	N2-4-2791
1310HR	1.146-26	U-Bolt	1.547	1.500	3.000	22.5	N2-4-8091X
1310HR	1.235-28	U-Bolt	1.812	2.422	4.031	25.0	N2-4-FD01X
1310HR	1.250-24	U-Bolt	1.875	1.500	3.000	22.0	N2-4-JK02
1310HR	1.250-24	U-Bolt	1.846	1.500	3.000	22.0	N2-4-JK06
1310HR	1.250-24	U-Bolt	1.874	1.430	3.130	***	N2-4-JL05-1X
1310HR	1.250-24	U-Bolt	1.865	1.710	3.250	***	N2-4-JL03-1X
1310HR	1.276-29	U-Bolt	1.875	1.500	2.938	18.0	N2-4-3801X
1310HR	1.312-30	U-Bolt	1.938	1.156	3.156	20.0	N2-4-GM03X
1310HR	1.328-30	U-Bolt	1.734	1.188	2.594	25.0	N2-4-GM01X
1310HR	1.375-10	U-Bolt	1.750	1.750	3.219	20.0	N2-4-2671
1310HR	1.401-32	U-Bolt	2.125	2.000	3.438	22.0	N2-4-4191
1310HR	1.401-32	U-Bolt	1.939	2.000	3.438	22.0	N2-4-JK01
1310HR	1.496-28	U-Bolt	2.115	1.710	3.125	***	N2-4-JL02-1X
1310HR	1.496-28	U-Bolt	2.124	1.840	3.250	***	N2-4-JL04-1X
1330HR Series							
1330HR	1.235-28	U-Bolt	1.812	2.422	4.031	25.0	N2-4-FD02X
1330HR	1.328-30	U-Bolt	1.734	1.188	2.703	25.0	N2-4-GM02X
1350HR Series A-3.622 B-1.188							
1350HR	1.250-24	U-Bolt	1.912	***	3.000	***	N3-4-JL05-1X
1350HR	1.250-24	U-Bolt	1.876	1.500	3.094	22.0	N3-4-JK04
1350HR	1.250-24	U-Bolt	1.848	1.500	3.094	22.0	N3-4-JK08
1350HR	1.250-24	U-Bolt	1.874	1.670	3.250	***	N3-4-JL03-1X
1350HR	1.496-28	U-Bolt	2.123	1.720	3.250	***	N3-4-JL02-1X
1350HR	1.496-28	U-Bolt	2.125	1.840	3.250	***	N3-4-JL04-1X

SPLINED - BEARING STRAP CONSTRUCTION



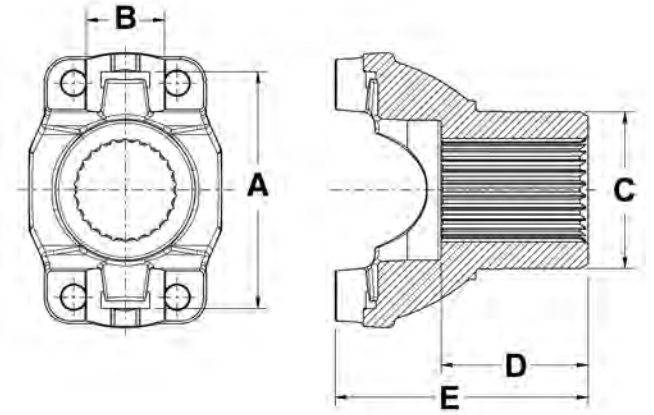
DL Series	Spline/Number Teeth	UJ Retention	C Hub Dia.	D Length Thru Hole	E CL To End Of Hub	Joint Angle	Flinger/boot Part Number	Sleeve Dia.	Part Number
1350HR Series A-3.622 B-1.188									
1350HR	1.312-30	Strap	1.938	1.156	3.188	***	***	2.109	N3-4-0880-1X
1350HR	1.375-10	Strap	1.719	1.781	3.281	20.5	98-1473	***	N3-4-178-1X
1350HR	1.375-10	Strap	1.719	1.781	3.281	20.5	***	***	N3-4-2171-1
1410HR Series A-4.187 B-1.188									
1410HR	1.500-10	Strap	1.812	2.000	3.719	24.0	***	***	N3-4-6561-1
1410HR	1.500-10	Strap	1.812	2.000	3.719	24.0	231004	***	N3-4-6631X
1550HR Series A-4.965 B-1.375									
1550HR	1.500-10	Strap	2.312	2.000	3.781	22.0	***	***	N4-4-2051-1
1610HR Series A-5.312 B-1.875									
1610HR	1.750-10	Strap	2.188	2.250	4.125	***	***	***	N5-4-1721-1X
1610HR	1.790-34	Strap	2.188	2.250	4.125	22.0	***	***	N5-4-7171-1
1610HR	2.000-39	Strap	3.000	2.312	4.875	***	***	***	N5-4-6441-1X
1710HR Series A-6.1902 B-1.938									
1710HR	1.960-10	Strap	2.812	3.000	5.000	***	***	***	N6-4-1981-1
1710HR	2.000-38	Strap	2.812	3.000	5.000	25.0	***	***	N6-4-7141-1
1710HR	2.000-39	Strap	3.000	2.312	5.156	28.0	DEFR59-2	***	N6-4-7631-1X
1710HR	2.000-39	Strap	3.000	2.312	5.156	28.0	DEFR59-1	***	N6-4-7641-1X
1710HR	2.000-39	Strap	3.000	2.312	6.250	***	***	***	N6-4-6371-1
1710HR	2.000-39	Strap	3.000	2.312	6.250	***	231359	***	N6-4-6391-1X
1710HR	2.020-39	Strap	2.750	2.000	5.000	33.5	***	***	N6-4-8331-1X
1710HR	2.020-39	Strap	3.000	2.281	6.125	39.5	***	***	N6-4-8991-1X
1710HR	2.020-39	Strap	2.625	2.500	6.125	39.5	***	***	N6-4-9001-1X
1710HR	2.280-44	Strap	2.938	2.500	5.188	27.0	***	***	N6-4-6041-1X
1710HR	2.340-16	Strap	3.312	2.750	4.938	20.0	***	***	N6-4-4601-1
1710HR	2.380-46	Strap	3.250	2.328	5.375	***	***	***	N6-4-7181-1X
1710HR	2.390-46	Strap	2.875	2.750	4.938	20.5	***	***	N6-4-7481-1

SPLINED - BEARING STRAP CONSTRUCTION (Cont'd)



DL Series	Spline/Number Teeth	UJ Retention	C Hub Dia.	D Length Thru Hole	E CL To End Of Hub	Joint Angle	Flinger/boot Part Number	Sleeve Dia.	Part Number
1710HR Series A-6.1902 B-1.938									
1710HR	2.500-10	Strap	3.750	3.000	5.625	30.0	***	***	N6-4-6921-1X
1710HR	2.750-10	Strap	3.750	3.000	5.750	20.0	***	***	N6-4-6931-1X
1760HR Series A-7.094 B-1.938									
1760HR	2.000-39	Strap	3.000	2.312	5.188	30.0	***	***	N6.3-4-541-1X
1760HR	2.110-32	Strap	3.000	2.250	5.000	30.5	***	***	N6.3-4-1521-1X
1760HR	2.270-44	Strap	3.000	2.500	5.250	30.0	***	***	N6.3-4-5221-1X
1760HR	2.280-44	Strap	2.938	2.500	5.250	26.0	***	***	N6.3-4-331-1X
1760HR	2.340-16	Strap	2.875	2.750	5.500	30.0	***	***	N6.3-4-161-1
1760HR	2.380-46	Strap	3.250	2.328	5.062	***	***	***	N6.3-4-1041-1X
1760HR	2.380-46	Strap	3.312	2.750	5.500	30.0	***	***	N6.3-4-821-1
1760HR	2.390-46	Strap	3.500	2.406	5.375	30.0	***	***	N6.3-4-1391-1X
1760HR	2.500-10	Strap	3.750	3.000	6.031	32.0	***	***	N6.3-4-781-1X
1760HR	2.750-10	Strap	3.750	3.000	5.969	30.0	***	***	N6.3-4-791-1X
1760HR	2.790-54	Strap	***	2.750	5.625	***	***	***	N6.3-4-1681-1
1810HR Series A-7.643 B-1.938									
1810HR	2.000-39	Strap	3.000	2.312	5.188	30.0	***	***	N6.5-4-3381-1X
1810HR	2.270-44	Strap	2.938	2.500	5.250	30.0	***	***	N6.5-4-3281-1X
1810HR	2.270-44	Strap	3.000	2.500	5.250	30.0	***	***	N6.5-4-4571-1X
1810HR	2.340-16	Strap	3.312	2.750	5.500	30.0	***	***	N6.5-4-1891-1
1810HR	2.380-46	Strap	3.250	2.328	5.156	***	***	***	N6.5-4-3721-1
1810HR	2.380-46	Strap	3.250	2.328	5.156	***	231803	***	N6.5-4-3731-1X
1810HR	2.380-46	Strap	3.312	2.750	5.500	30.0	***	***	N6.5-4-3591-1
1810HR	2.380-46	Strap	3.375	3.188	6.000	30.0	***	***	N6.5-4-3921-1X
1810HR	2.500-10	Strap	3.750	3.000	5.875	30.0	***	***	N6.5-4-3551-1X
1810HR	2.750-10	Strap	3.750	3.000	6.062	30.0	***	***	N6.5-4-3561-1X
1810HR	2.790-54	Strap	***	2.750	5.625	30.0	***	***	N6.5-4-4631-1

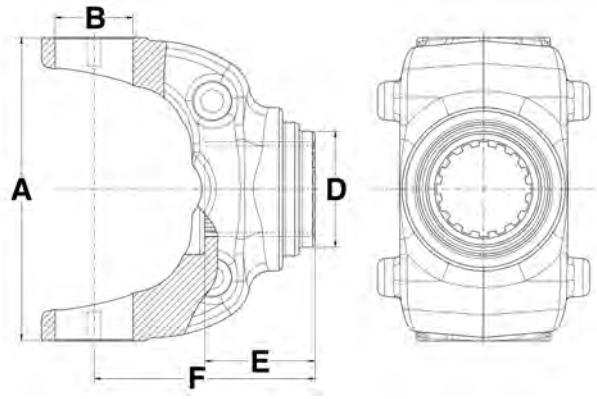
SPLINED - BEARING STRAP CONSTRUCTION (Cont'd)



DL Series	Spline/Number Teeth	UJ Retention	C Hub Dia.	D Length Thru Hole	E CL To End Of Hub	Joint Angle	Flinger/boot Part Number	Sleeve Dia.	Part Number
3R Series A-3.563 B-1.125 C-2.563									
3R	1.209-27	Strap	1.516	1.484	3.344	***	***	1.688	N3R-4-5850-1X
3R	1.312-30	Strap	1.938	1.156	3.125	***	***	2.109	N3R-4-0876-1X
3R	1.312-30	Strap	1.938	1.156	3.125	***	***	***	N3R-4-8336-1X
NPL90/100 Series									
NPL90/100	1.789-34	Strap	2.750	***	4.358	***	***	***	N100-4-931-1
SPL170HR Series A-6.457 B-2.165									
SPL170HR	2.020-39	Strap	3.000	2.281	5.156	25.0	***	***	N170-4-261-1X
SPL170HR	2.020-39	Strap	3.000	2.281	6.250	45.0	***	***	N170-4-281-1X
SPL170HR	2.020-39	Strap	3.000	2.312	6.391	45.0	***	***	N170-4-671-1X
SPL170HR	2.020-39	Strap	2.625	2.500	6.500	45.0	***	***	N170-4-241-1X
SPL170HR	2.270-44	Strap	3.000	2.500	5.266	25.0	***	***	N170-4-201-1X
SPL170HR	2.390-46	Strap	3.250	2.328	5.094	25.0	***	***	N170-4-721-1X
SPL170HR	2.390-46	Strap	***	2.750	5.594	25.0	***	***	N170-4-1271-1
SPL170HR	2.750-10	Strap	3.750	3.000	5.859	25.0	***	***	N170-4-521-1X
SPL170HR	2.790-54	Strap	***	2.750	5.603	25.0	***	***	N170-4-561-1
SPL250HR Series A-6.413 B-2.361									
SPL250HR	2.270-44	Strap	3.000	2.500	5.500	25.0	***	***	N250-4-81-1X
SPL250HR	2.390-46	Strap	3.250	2.312	5.312	25.0	***	***	N250-4-351-1X
SPL250HR	2.390-46	Strap	***	2.750	5.750	25.0	***	***	N250-4-21-1
SPL250HR	2.750-10	Strap	3.750	3.000	6.297	25.0	***	***	N250-4-241-1X
SPL250HR	2.790-54	Strap	***	2.750	5.703	25.0	***	***	N250-4-271-1

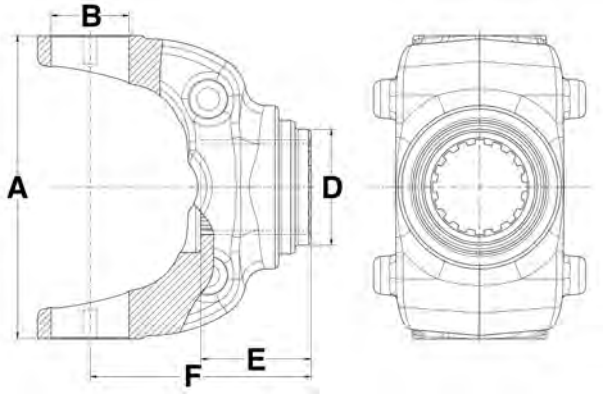
* SPL - Spicer ® Life Series driveshafts is a registered trademark of Dana Limited

SPLINED - BEARING PLATE CONSTRUCTION



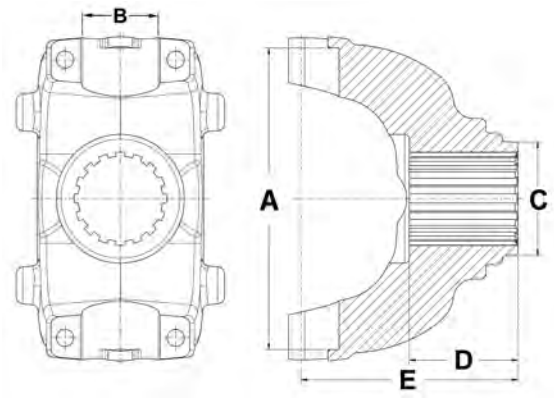
DL Series	Spline/Number Teeth	UJ Retention	D Hub Dia.	E Length Thru Hole	F CL To End Of Hub	Joint Angle	Flinger/boot Part Number	Part Number
1610 Series A-5.312 B-1.875								
1610	1.750-10	Plate	2.188	2.250	4.125	24.0	***	N5-4-1721
1610	2.000-39	Plate	3.000	2.312	6.219	45.0	***	N5-4-6291X
1610	2.031-10	Bolt	2.750	***	4.500	***	***	N5-4-4401
1710 Series A-6.094 B-1.938								
1710	1.750-34	Plate	2.500	2.250	4.875	30.0	***	N6-4-6331
1710	1.780-34	Plate	2.625	2.438	5.438	33.5	***	N6-4-6481
1710	1.780-34	Plate	2.625	2.438	6.312	45.0	***	N6-4-6451
1710	1.790-34	Plate	2.625	2.438	5.438	34.0	***	N6-4-8511X
1710	1.790-34	Plate	2.625	2.438	6.312	45.0	***	N6-4-8521X
1710	1.960-10	Plate	2.812	3.000	5.000	21/32	***	N6-4-1981
1710	2.020-39	Plate	2.625	2.250	5.250	33.5	***	N6-4-6001X
1710	2.024-39	Plate	3.000	2.312	5.156	28.0	***	N6-4-6401
1710	2.024-39	Plate	3.000	2.312	5.156	28.0	DEFR59-2	N6-4-6411X
1710	2.024-39	Plate	3.000	2.312	5.156	28.0	DEFR59-1	N6-4-6421X
1710	2.024-39	Plate	2.750	2.438	5.250	30.0	***	N6-4-6951X
1710	2.024-39	Plate	2.625	2.250	5.250	***	***	N6-4-8531X
1710	2.024-39	Plate	2.625	2.250	6.125	45.0	***	N6-4-6021X
1710	2.024-39	Plate	3.000	2.312	6.250	45.0	***	N6-4-6371
1710	2.024-39	Plate	3.000	2.312	6.250	45.0	231359	N6-4-6391X
1710	2.143-41	Plate	2.938	2.500	6.125	42.5	***	N6-4-7561X
1710	2.143-41	Plate	2.938	3.000	6.625	***	***	N6-4-7541
1710	2.218-6 spline	Plate	3.000	3.286	5.310	***	***	N6-4-3031
1710	2.250-10	Plate	3.500	3.000	5.250	22.0	***	N6-4-2141
1710	2.274-44	Plate	2.938	2.500	5.188	27.0	***	N6-4-6041X
1710	2.340-16	Plate	2.875	2.750	4.938	26.0	***	N6-4-4601

SPLINED - BEARING PLATE CONSTRUCTION (Cont'd)



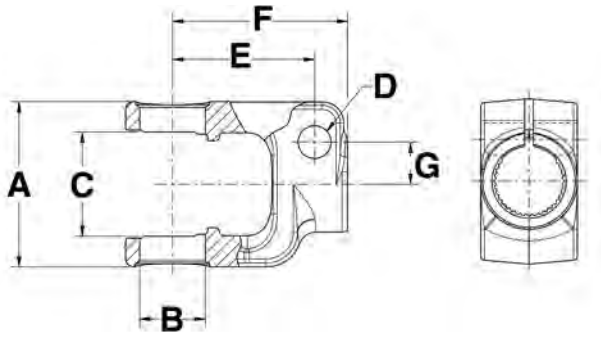
DL Series	Spline/Number Teeth	UJ Retention	D Hub Dia.	E Length Thru Hole	F CL To End Of Hub	Joint Angle	Flinger/boot Part Number	Part Number
1710 Series A-6.094 B-1.938								
1710	2.340-16	Plate	2.875	2.750	4.938	26.0	230746	N6-4-5071X
1710	2.380-46	Plate	3.250	2.328	5.375	31.0	***	N6-4-7181X
1710	2.380-46	Plate	3.250	2.328	6.500	31.0	***	N6-4-7771X
1710	2.500-10	Plate	2.938/3.750	3.000	5.625	30.0	***	N6-4-6921
1710	2.750-10	Plate	3.750	3.000	5.750	22.0	***	N6-4-6931X
1760 Series A-7.000 B-1.938								
1760	2.000-39	Plate	3.000	2.312	5.188	29.0	***	N6.3-4-541X
1760	2.280-44	Plate	3.000	2.500	5.250	***	***	N6.3-4-5221X
1760	2.340-16	Plate	2.859	2.750	5.500	30.0	***	N6.3-4-161
1760	2.380-46	Plate	3.250	2.328	5.062	29.0	***	N6.3-4-1041X
1760	2.750-10	Plate	3.750	3.000	5.969	30.0	***	N6.3-4-791X
1810 Series A-7.547 B-1.938								
1810	***	Strap	3.937	***	5.250	***	***	N6.5-4-4321-1
1810	2.220-6	Plate	3.000	3.250	6.000	30.0	***	N6.5-4-2271X
1810	2.280-44	Plate	2.938	2.500	5.250	30.0	***	N6.5-4-3281X
1810	2.340-16	Plate	2.875	2.750	5.500	30.0	***	N6.5-4-1891
1810	2.340-16	Plate	2.875	2.750	5.500	30.0	230746	N6.5-4-2531X
1810	2.380-46	Plate	3.250	2.328	5.156	***	***	N6.5-4-3731X
1810	2.380-46	Plate	3.250	2.625	5.438	30.0	***	N6.5-4-2711X
1810	2.380-46	Plate	3.312	2.750	5.500	***	***	N6.5-4-3591
1810	2.750-10	Plate	3.375	2.938	6.000	30.0	***	N6.5-4-2171
1810	2.750-10	Plate	3.750	3.000	6.062	30.0	***	N6.5-4-3561X
1810	2.790-54	Plate	***	2.750	5.625	30.0	***	N6.5-4-4631

SPLINED - WING RPL CONSTRUCTION



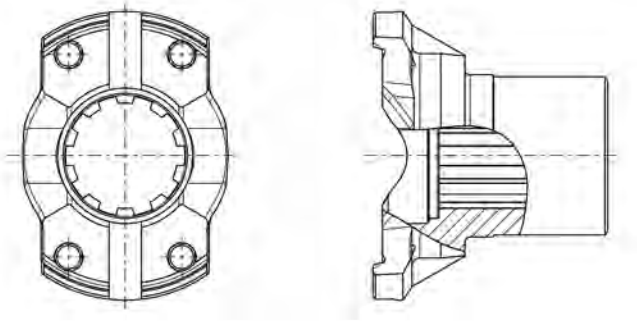
DL Series	Spline/Number Teeth	UJ Retention	C Hub Dia.	D Length Thru Hole	E CL To End Of Hub	Flinger/boot Part Number	Part Number
			20R Series	A-7.06			
20R	2.000-39	Wing-RPL	3.000	2.312	4.843	***	N20WYS32-17
20R	2.000-39	Wing-RPL	3.000	2.312	5.953	***	N20WYS32-2
20R	2.000-39	Wing-RPL	3.000	2.312	5.953	DEFR64	N20WYS32-2A
20R	2.380-46	Wing-RPL	3.250	2.328	4.906	***	N20WYS38-4A
20R	2.380-46	Wing-RPL	2.875	2.750	4.906	***	N20WYSC38-18
20R	2.750-10	Wing-RPL	3.750	3.000	5.094	***	N20WYS44-2A
20R	2.790-54	Wing-RPL	3.750	2.750	5.250	***	N20WYS45
			25R Series	A-8.375	B-2.062		
25R	2.380-46	Wing-RPL	3.250	2.328	4.734	DEFR64-3	N25WYS38-13A
25R	2.380-46	Wing-RPL	3.250	2.328	4.734	DEFR64-10	N25WYS38-13A4
25R	2.380-46	Wing-RPL	2.875	2.750	4.906	***	N25WYSC38-11
25R	2.750-10	Wing-RPL	3.750	3.000	5.094	***	N25WYS44-2A
25R	2.790-54	Wing-RPL	3.750	2.750	5.875	***	N25WYS45

SPLINED - STEERING CLAMP CONSTRUCTION



DL Series	Spline/Number Teeth	D Bolt Hole Dia.	E CL Of Brg Cap To CL Of Bolt Hole	F CL To End Of Hub	G CL Of Spline To CL Of Bolt Hole	Part Number
		1000 Series	A-2.312 B-0.938 C-1.500			
1000	1.011-26/36	0.410	2.031	2.500	0.609	10-4731
1000	1.011-26/36	0.470	2.031	2.500	0.594	10-4961

SPLINED, WING BEARING CONSTRUCT



DL Series	Bore Type	Spline/Number Teeth	Hole/ Thread Size	D Hub Dia.	E Length Thru Bore	F Face To End	Part Number
			7C				
7C	Splined	1.750-10	0.470	2.375	2.188	3.438	10508J

neapco

THE DRIVELINE EXPERTS

SECTION

5

Center and Tube Weld Yoke

SUB SECTION

C.V. Ball Stud Tube Weld Yoke - Inside Lock-up

C.V. Ball Stud Tube Weld Yoke - Outside Lock- up

C.V. Ball Stud Tube Weld Yoke - Extended Lube

C.V. Centering Yoke

C.V.H Yoke - Inside Lock-up

AND MUCH MORE!



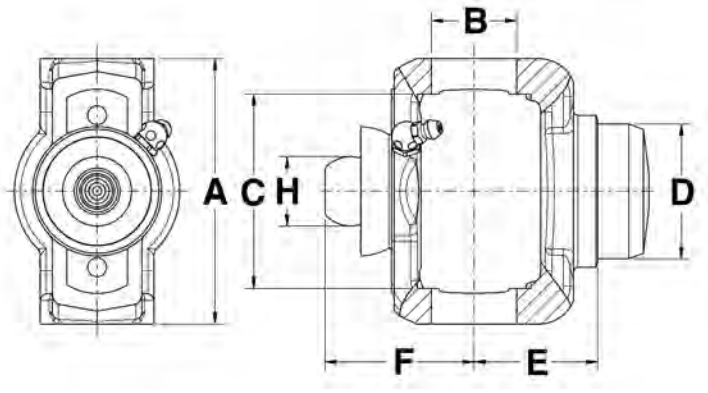
Manufacturing Driveline Solutions® in the USA Since 1921.

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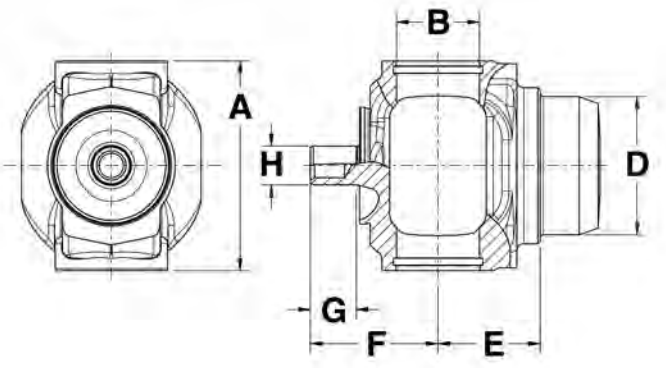
CENTER & TUBE WELD YOKE

C.V. BALL STUD TUBE WELD YOKE - INSIDE LOCK-UP



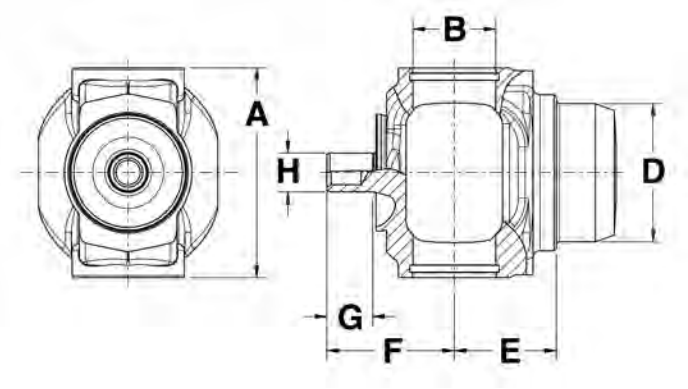
DL Series	Tubing Dia. and Wall	D Butt Dia.	E CL To Point of Weld	F CL To End Of Ball Stud	H Ball Stud Dia.	Joint Angle (Max)	Part Number
3R Series A-3.563 B-1.125 C-2.563							
3R	2.000 x 0.120	1.766	1.625	1.984	0.906	8.5	N3R-28-869
3R	2.750 x 0.065	2.844	1.625	1.984	0.906	8.5	N3R-28-341

C.V. BALL STUD TUBE WELD YOKE - OUTSIDE LOCK-UP



DL Series	Tubing Dia. and Wall	D Butt Dia.	E CL To Point of Weld	F CL To End Of Ball Stud	G Ball Stud Length	H Ball Stud Dia.	Joint Angle (Max)	Part Number
1210 Series A-2.56 B-1.063								
1210	2.000 x 0.120	n/a	n/a	1.580	0.600	0.500	***	N2-28-2467X
1310 Series A-3.469 B-1.063								
1310	1.250 x 0.120	1.016	1.438	1.641	0.594	0.500	13.0	N2-28-2997X
1310	1.750 x 0.095	1.562	1.438	1.641	0.594	0.500	13.0	N2-28-2937X
1310	2.000 x 0.120	1.766	1.438	1.641	0.594	0.500	13.0	N2-28-2947X

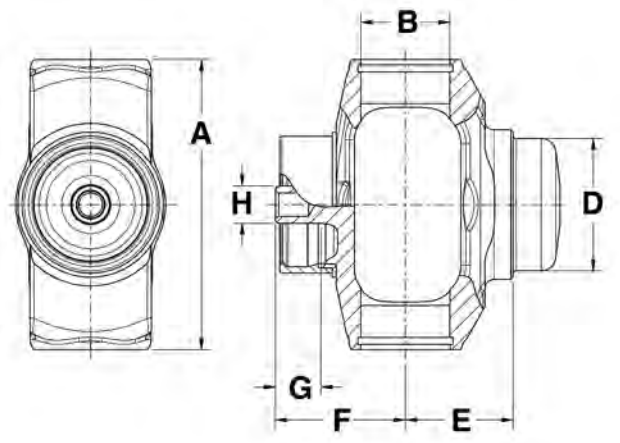
C.V. BALL STUD TUBE WELD YOKE - OUTSIDE LOCK-UP (Cont'd)



DL Series	Tubing Dia. and Wall	D Butt Dia.	E CL To Point of Weld	F CL To End Of Ball Stud	G Ball Stud Length	H Ball Stud Dia.	Joint Angle (Max)	Part Number
1310 Series A-3.469 B-1.063								
1310	2.500 x 0.083	2.344	1.438	1.641	0.594	0.500	13.0	N2-28-2957X
1310	2.750 x 0.065	2.625	1.438	1.641	0.594	0.500	13.0	N2-28-2987X
1310	2.750 x 0.083	2.594	1.438	1.641	0.594	0.500	13.0	N2-28-3817X
1310	3.000 x 0.065	2.875	1.438	1.641	0.594	0.500	13.0	N2-28-2967X
1310	3.000 x 0.083	2.844	1.438	1.641	0.594	0.500	13.0	N2-28-2977X
1330 Series A-3.875 B-1.063								
1330	2.000 x 0.120	1.766	1.375	1.656	0.594	0.500	13.0	N2-28-2157X
1330	2.500 x 0.083	2.344	1.375	1.656	0.594	0.500	13.0	N2-28-2137X
1330	3.000 x 0.065	2.875	1.500	1.656	0.594	0.500	13.0	N2-28-2117X
1410 Series A-4.438 B-1.188								
1410	2.500 x 0.120	2.258	2.100	***	***	***	***	N3-28-1410X
1410	***	2.594	***	***	***	***	***	N3-28-1411X

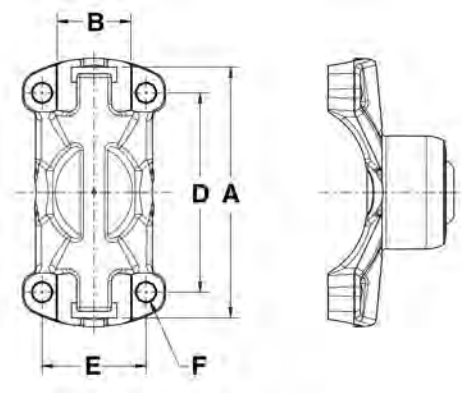
CENTER & TUBE WELD YOKE

C.V. BALL STUD TUBE WELD YOKE - EXTENDED LUBE



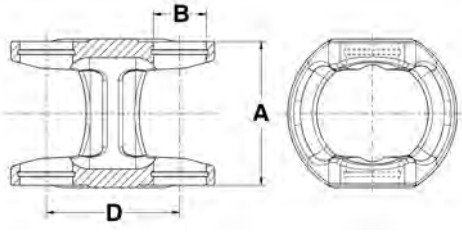
DL Series	Tubing Dia. and Wall	D Butt Dia.	E CL To Point of Weld	F CL To End Of Ball Stud	G Ball Stud Length	H Ball Stud Dia.	Joint Angle (Max)	Flinger/boot Part Number	Part Number
1210 Series A-2.56 B-1.063									
1210	***	0.875	***	1.630	0.630	0.500	***	N230933	N2-28-1290X
1310 Series A-3.469 B-1.063									
1310	1.750 x 0.095	1.562	1.438	1.641	0.594	0.500	13.0	N2-86-418	N2-28-2827X
1310	2.000 x 0.120	1.766	1.438	1.641	0.594	0.500	13.0	N2-86-418	N2-28-2867X
1310	2.500 x 0.065	2.375	1.438	1.641	0.594	0.500	13.0	N2-86-418	N2-28-3087X
1310	2.500 x 0.083	2.344	1.438	1.641	0.594	0.500	13.0	N2-86-418	N2-28-2887X
1310	2.750 x 0.065	2.625	1.438	1.641	0.594	0.500	13.0	N2-86-418	N2-28-2747X
1310	3.000 x 0.065	2.875	1.438	1.641	0.594	0.500	13.0	N2-86-418	N2-28-2907X
1310	3.000 x 0.083	2.844	1.438	1.641	0.594	0.500	13.0	N2-86-418	N2-28-2927X
1330 Series A-3.875 B-1.063									
1330	2.000 x 0.120	1.766	1.375	1.656	0.594	0.500	9.0	N2-86-418	N2-28-3257X
1330	2.500 x 0.083	2.344	1.375	1.656	0.594	0.500	9.0	N2-86-418	N2-28-3067X
1330	2.500 x 0.095	2.312	1.375	1.656	0.594	0.500	9.0	N2-86-418	N2-28-3277X
1330	3.000 x 0.083	2.844	1.375	1.656	0.594	0.500	9.0	N2-86-418	N2-28-3447X
1350 Series A-3.875 B-1.188									
1350	2.000 x 0.120	1.766	1.438	1.734	0.594	0.500	15.0	N2-86-418	N3-28-2947X
1350	2.500 x 0.095	2.312	1.438	1.734	0.594	0.500	15.0	N2-86-418	N3-28-3281X
1350	2.750 x 0.083	2.594	1.469	1.734	0.594	0.500	15.0	N2-86-418	N3-28-1747-1X
1350	3.000 x 0.083	2.844	1.469	1.734	0.594	0.500	15.0	N2-86-418	N3-28-1327-1X
1350	3.500 x 0.083	3.344	1.500	1.734	0.594	0.500	15.0	N2-86-418	N3-28-1527-1X

C.V. CENTERING YOKE



DL Series	D Bolt Hole Spacing Width	E Bolt Hole Spacing Length	F Hole/Thread Size	Stud Socket Dim.	Lubrication Type	Part Number
1310HR Series A-3.219 B-1.063						
1310HR	2.344	1.500	5/16-24	0.500	GREASABLE	7-0082
1310HR	2.344	1.500	5/16-24	0.500	NON-GREASABLE	7-0082NG
1330HR Series A-3.622 B-1.063						
1330HR	2.875	1.500	5/16-24	0.500	GREASABLE	7-0079
1330HR	2.875	1.500	5/16-24	0.500	NON-GREASABLE	7-0079NG
1350HR Series A-3.622 B-1.188						
1350HR	2.750	1.625	5/16-24	0.500	***	N3-83-019X

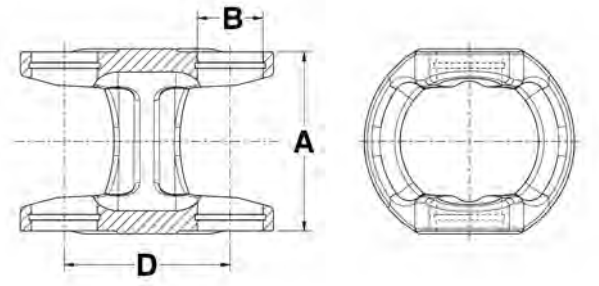
C.V. H YOKE - INSIDE LOCK-UP



DL Series	D CL UJ to CL UJ	Maxi-mum Joint Angle	Part Number
3R Series A-3.563 B-1.125 C-2.563			
3R	3.250	17.0	N3R-26-057

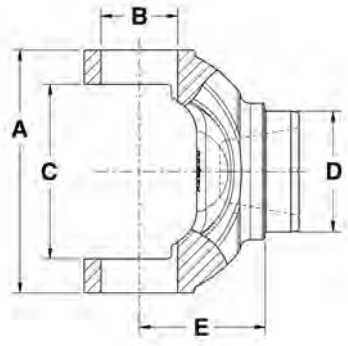
CENTER & TUBE WELD YOKE

C.V. H YOKE - OUTSIDE LOCK-UP



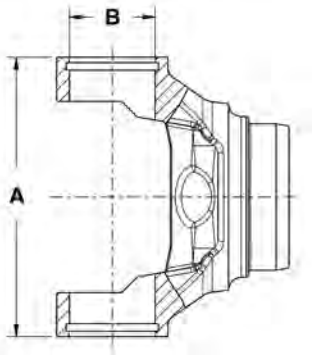
DL Series	D CL UJ to CL UJ	Maxi-mum Joint Angle	Part Number
1310 Series	**A-3.469 B-1.063**		
1310	2.688	26.0	N2-26-367
1330 Series	**A-3.875 B-1.063**		
1330	2.750	18.0	N2-26-527
1350 Series	**A-3.875 B-1.188**		
1350	2.875	30.0	N3-26-757
1410 Series	**A-4.438 B-1.188**		
1410	3.480	***	N3-26-1410
1410	3.480	30.0	N3-26-1410HA

TUBE WELD YOKE (STEEL) - INSIDE LOCK-UP



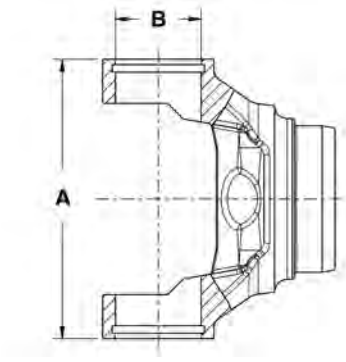
DL Series	Tubing Dia. And Wall	D Butt Dia.	Type Of Butt	E CL To Point Of Weld	Joint Angle	Part Number
1000 Series A-2.312 B-0.938 C-1.500						
1000	0.750	0.745	ID	2.105	***	NOE-04-2143-A
1000	***	0.932	ID	2.105	***	NOE-04-2140-A
1000	***	0.620	ID	2.105	***	NOE-04-2165-A
3R Series A-3.563 B-1.125 C-2.563						
3R	2.000 X 0.120	1.766	HO	1.844	***	N3R-28-1757
3R	2.750 X 0.065	2.625	HO	1.750	20.0	N3R-28-307
3R	2.750 X 0.088	2.578	HO	1.797	***	N3R-28-309
3R	3.000 X 0.065	2.875	HO	1.875	21.5	N3R-28-327
3R	3.000 X 0.083	2.844	HO	1.875	21.5	N3R-28-437
3R	3.000 X 0.095	2.812	HO	1.875	21.5	N3R-28-157
3R	3.250 X 0.065	3.125	HO	1.875	21.5	N3R-28-325
3R	3.500 X 0.065	3.375	HO	1.875	21.5	N3R-28-397
3R	3.500 X 0.083	3.344	HO	1.875	21.5	N3R-28-427
3R	4.000 X 0.065	3.875	HO	1.656	***	N3R-28-021
7290 Series A-3.563 B-1.126 C-2.625						
7290	3.000 X 0.083	2.844	HO	1.875	21.5	N729-28-437
7290	3.500 X 0.065	3.375	HO	1.875	21.5	N729-28-397

TUBE WELD YOKE (STEEL) - OUTSIDE LOCK-UP



DL Series	Tubing Dia. And Wall	D Butt Dia.	Type Of Butt	E CL To Point Of Weld	Uj Retention	Joint Angle	Part Number
1210 Series A-2.56 B-1.063							
1210	2.000 X 0.083	1.844	HO	1.500	***	20.0	N2-28-2417
1210	2.500 X 0.065	2.375	HO	1.312	***	20.0	N2-28-1947
1310 Series A-3.469 B-1.063							
1310	1.250 X 0.120	1.016	HO	2.125	***	30.0	N2-26-347
1310	2.000 X 0.065	1.875	HO	1.688	***	22.0	N2-28-417
1310	2.000 X 0.083	1.844	HO	1.688	***	22.0	N2-28-357
1310	2.000 X 0.095	1.812	HO	1.688	***	22.0	N2-28-577
1310	2.000 X 0.120	1.766	HO	1.688	***	22.0	N2-28-1757
1310	2.500 X 0.065	2.375	HO	1.844	***	30.0	N2-28-277
1310	2.500 X 0.083	2.344	HO	1.844	***	30.0	N2-28-367
1310	2.750 X 0.065	2.625	HO	1.688	***	21.5	N2-28-307
1310	2.750 X 0.083	2.594	HO	1.688	***	21.5	N2-28-1617
1310	3.000 X 0.065	2.875	HO	1.688	***	21.5	N2-28-327
1310	3.000 X 0.083	2.844	HO	1.688	***	21.5	N2-28-437
1310	3.500 X 0.065	3.344	HO	1.688	***	21.5	N2-28-397
1310	3.500 X 0.083	3.344	HO	1.688	***	21.5	N2-28-427
1330 Series A-3.875 B-1.063							
1330	2.500 X 0.083	2.344	HO	1.719	***	25.0	N2-28-1707
1330	3.000 X 0.065	2.875	HO	1.719	***	25.0	N2-28-1177
1330	3.000 X 0.083	2.844	HO	1.719	***	25.0	N2-28-1697
1330	3.500 X 0.065	3.375	HO	1.812	***	***	N2-28-1977
1330	3.500 X 0.083	3.344	HO	1.812	***	***	N2-28-1717
1330	4.000 X 0.065	3.875	HO	1.875	***	22.0	N2-28-023
1330	4.000 X 0.083	3.844	HO	1.875	***	22.0	N2-28-3637
1350 Series A-3.875 B-1.188							
1350	2.500 X 0.083	2.344	HO	1.938	***	20.0	N3-28-47
1350	2.750 X 0.065	2.625	HO	2.000	***	20.0	N3-28-57-2

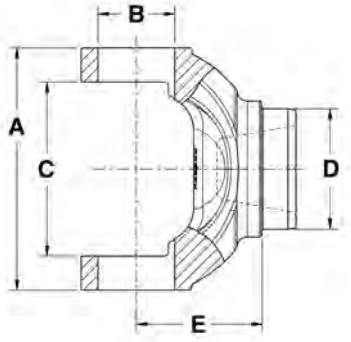
TUBE WELD YOKE (STEEL) - OUTSIDE LOCK-UP (Cont'd)



DL Series	Tubing Dia. And Wall	D Butt Dia.	Type Of Butt	E CL To Point Of Weld	Uj Retention	Joint Angle	Part Number
1350 Series A-3.875 B-1.188							
1350	2.750 X 0.095	2.562	HO	2.000	***	20.0	N3-28-57-1
1350	3.000 X 0.065	2.875	HO	2.000	***	20.0	N3-28-137
1350	3.000 X 0.083	2.844	HO	2.000	***	20.0	N3-28-57
1350	3.000 X 0.095	2.820	HO	2.000	***	20.0	N3-28-157
1350	3.500 X 0.065	3.375	HO	1.812	***	20.0	N3-28-257
1350	3.500 X 0.083	3.344	HO	1.812	***	20.0	N3-28-427
1350	4.000 X 0.083	3.844	HO	1.688	***	22.0	N3-28-417
1410 Series A-4.438 B-1.188							
1410	3.000 X 0.083	2.844	HO	2.125	***	30.0	N3-28-97
1410	3.500 X 0.065	3.375	HO	2.125	***	30.0	N3-28-367
1410	3.500 X 0.083	3.344	HO	2.125	***	30.0	N3-28-557
1410	3.500 X 0.095	3.328	HO	2.125	***	30.0	N3-28-857
1410	4.000 X 0.083	3.844	HO	1.875	***	22.0	N3-28-457
1480 Series A-4.438 B-1.375							
1480	3.500 X 0.083	3.344	HO	2.031	***	22.0	N3-28-537
1480	3.500 X 0.083	3.344	HO	2.312	***	35.0	N3-28-547
1480	3.500 X 0.095	3.312	HO	2.031	***	22.0	N3-28-567
1480	3.500 X 0.134	3.250	HO	2.312	***	35.0	N3-28-548
1480	4.000 X 0.083	3.844	HO	2.031	***	22.5	N3-28-507
1550 Series A-5.250 B-1.375							
1550	3.500 X 0.095	3.328	HO	2.188	***	22.5	N4-28-307
1550	3.500 X 0.095	3.328	HO	2.688	***	35.0	N4-28-417
N90/N100							
N90/N100	4.000 x 0.095	3.820	***	2.970	OSR	25	N100-28-17
N90/N100	4.000 x 0.095	3.820	***	3.490	Strap	30	N100-28-27
N90/N100	4.000 x 0.134	3.750	***	2.969	OSR	25	N90-28-27

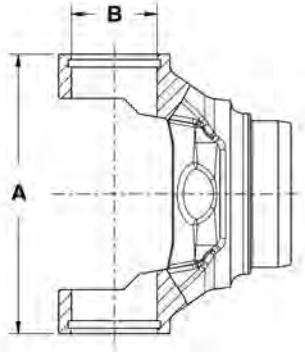
CENTER & TUBE WELD YOKE

PTO TUBE WELD YOKE (STEEL)-INSIDE LOCK UP



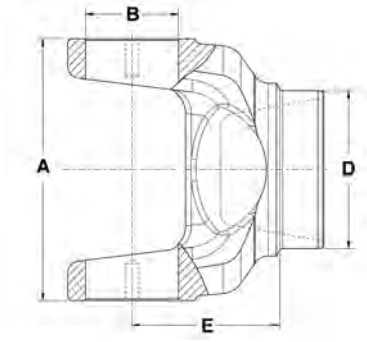
DL Series	Tubing Dia. And Wall	D Butt Dia.	Type Of Butt	E CL to Point of Weld	Joint Angle	Part Number
1000 Series A-2.312 B-0.938 C-1.500						
1000	1.750 X 0.065	1.625	SO	2.000	60.0	10-2817
1000	2.000 X 0.083	1.844	HO	2.156	***	10-1005

PTO TUBE WELD YOKE (STEEL)-OUTSIDE LOCK UP



DL Series	Bore Size & Shape (in) (mm)	D Hub Dia. (in)	E CL To End Of Hub (in)	Part Number
2000 Series A-2.625 B-1.125 C-1.85				
2000	1.000 x 1.125 Rectangle	2.250	3.190	20-9126
2000	1.000 x 1.125 Rectangle	2.250	3.190	20-9129
2000	1.1875 Square	2.250	3.190	20-9294
2000	1.281 x 1.408 Rectangle	2.250	3.190	20-9313
2000	1.500 Round	1.842	4.000	20-9131

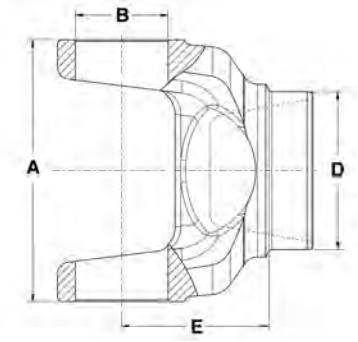
BEARING PLATE CONSTRUCTION



DL Series	Tubing Dia. And Wall	D Butt Dia.	E CL To Point Of Weld	Joint Angle	Type Of Butt	Part Number
1610 Series A-5.321 B-1.875						
1610	3.500 X 0.095	3.312	3.000	35.0	HO	N5-28-167
1610	3.500 X 0.134	3.250	3.000	35.0	HO	N5-28-627
1610	4.000 X 0.134	3.750	3.000	***	HO	N5-28-327
1710 Series A-6.094 B-1.938						
1710	3.500 X 0.156	3.188	3.031	22.0	HO	N6-28-137
1710	4.000 X 0.134	3.750	3.031	30/22.5	HO	N6-28-347
1710	4.000 X 0.134	3.375	3.688	45.0	HO	N6-28-467
1710	4.500 X 0.134	4.250	3.031	22.0	HO	N6-28-407
1760 Series A-7.000 B-1.938						
1760	4.095 X 0.180	3.750	3.031	30.0	HO	N6.3-28-17
1810 Series A-7.547 B-1.938						
1810	4.500 X 0.134	4.250	3.375	30.0	HO	N6.5-28-117
1810	4.500 X 0.259	4.000	3.375	30.0	HO	N6.5-28-127
20R Series A-7.250 B-2.060						
20R	4.095 X 0.180	3.750	3.703	30.0	HO	N20RY60-6
20R	4.095 X 0.180	3.750	5.250	39.0	HO	N20RY60-7
25R Series A-8.375 B-2.062						
25R	4.590 X 0.180	2.250	3.703	24.0	HO	N25RY68-3

CENTER & TUBE WELD YOKE

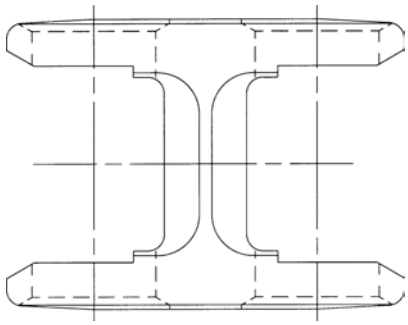
PLATELOCK CONSTRUCTION



DL Series	Tubing Dia. And Wall	D Butt Dia.	Type Of Butt	E CL To Point Of W eld	Joint Angle	Part Number
NPL170/SPL170						
NPL170/SPL170 *	4.724 X 0.197	4.344	HO	4.734	45.0	N170-28-27
NPL170/SPL170 *	4.724 X 0.197	4.344 / 3.641	HO	4.734	45.0	N170-28-37
NPL170/SPL170 *	4.960 X 0.118	4.750	HO	3.688	25.0	N170-28-17
NPL250/SPL250						
NPL250/SPL250 *	5.196 X 0.236	4.750	HO	4.094	25.0	N250-28-17

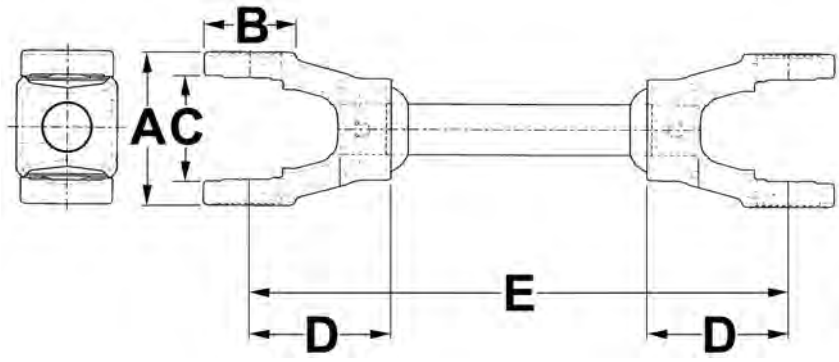
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DOUBLE PIVOT YOKE



DL Series	D CL UJ To CL UJ	Joint Angle	Part Number
1000 Series A-2.312 B-0.938 C-1.500			
1000	1.690	7.000	10-5303
1000	2.500	18.000	10-5361
1200			
1200	2.380	***	12-1410
1200	3.380	***	12-1400
2200			
2200	2.130	***	22-2200
2200	7.250	***	22-2205

DOUBLE PIVOT YOKE EXTENDED



DL Series	Axle Dia.	D CL To CL Of Yokes	E CL UJ To CL UJ	Phasing	Part Number
1000 Series A-2.312 B-0.938 C-1.500					
1000	***	***	4.547	0º	NOE-12-2657-A
1000	0.938	***	7.500	0º	NOE-12-5139-A
1000	0.938	***	7.656	124º	NOE-12-5147-A
1000	0.750	***	8.203	0º	NOE-12-5122-A
1000	***	***	8.547	0º	NOE-12-2658-A

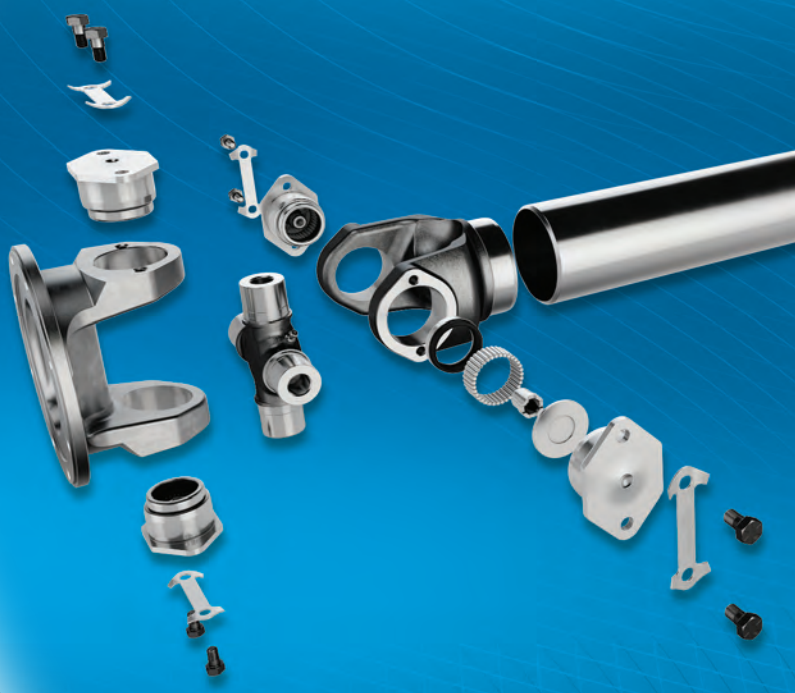
neapco

THE DRIVELINE EXPERTS

SECTION

6

Shafting/ Tubing/ Yoke & Tube Assembly



SUB SECTION

Aux/PTO Solid Shaft-Round

Aux/PTO Solid Shaft-Rectangular

Aux/PTO Solid Shaft-Square

Aux/PTO Solid Shaft-Hexagonal

Aux/PTO Solid Shaft-Spilned

Aux/PTO Shaft Tubing-Round

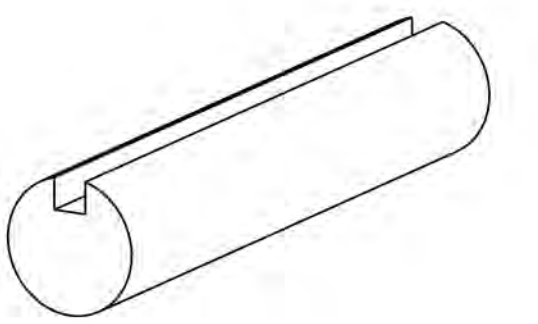
Aux/PTO Tubing-Rectangular

Manufacturing Driveline Solutions® in the USA Since 1921.

NeapcoAftermarket.com

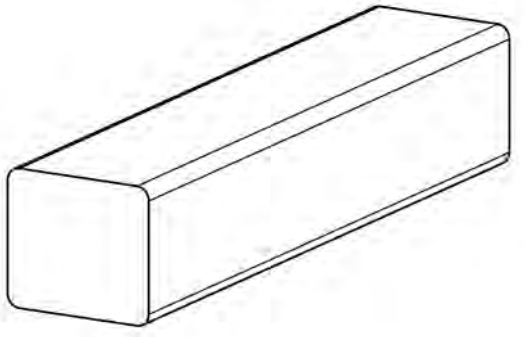
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AUX/PTO SOLID SHAFT - ROUND



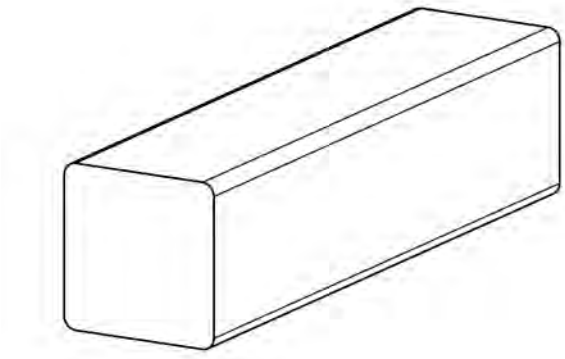
Size and Shape	Keyway Dimensions	Length	Part Number
0.750 Round	0.188	72.000	71-0750
0.812 Round	0.250	72.000	71-0813
0.875 Round	0.250	72.000	71-0875
1.000 Round	0.250	72.000	71-1000
1.250 Round	0.312	72.000	71-1250

AUX/PTO SOLID SHAFT - RECTANGULAR



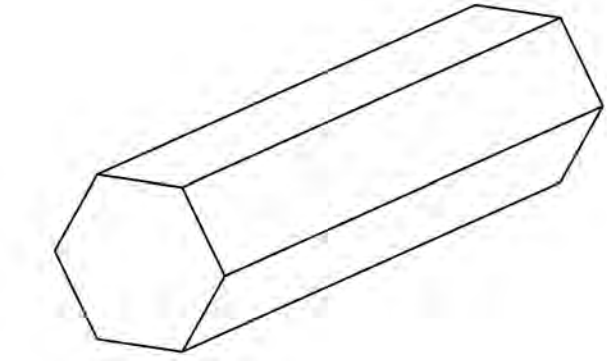
Size and Shape	Length	Part Number
0.750 x 0.875 Rectangle	72.000	73-0750
1.000 x 1.125 Rectangle	72.000	73-1001

AUX/PTO SOLID SHAFT - SQUARE



Size and Shape	Length	Part Number
0.750 Square	72.000	72-0750
0.875 Square	72.000	72-0875
1.000 Square	72.000	72-1000
1.188 Square	72.000	73-1188
1.312 Square	72.000	73-1313

AUX/PTO SOLID SHAFT - HEXAGONAL

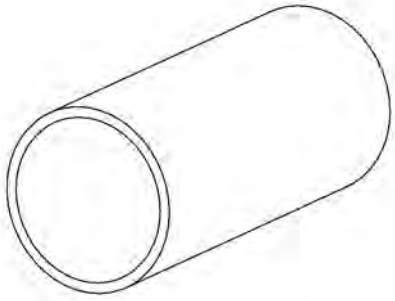


Size and Shape	Length	Part Number
0.875 Hexagonal	72.000	72-0888
1.000 Hexagonal	72.000	72-1002
1.125 Hexagonal	72.000	72-1125

AUX/PTO SOLID SHAFT - SPLINED

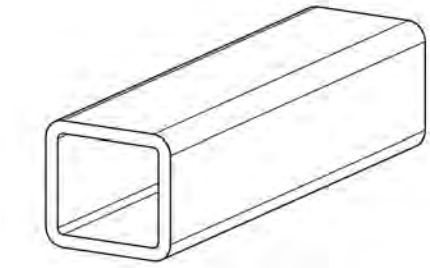
Size and Shape	Length	Part Number
1.000-15 Involute Spline	26.400	74-0115
1.625-10 Spline	27.880	2231-3

AUX/PTO TUBING - ROUND



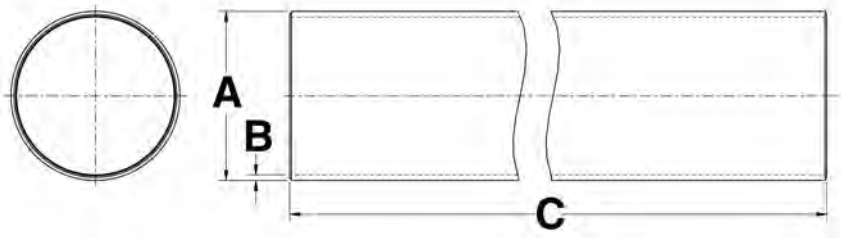
Tubing Type	Outside Dia.	Wall Thickness	Length	Shape	Part Number
Welded	1.620	0.065	72.000	Round	70-1625
Welded	2.000	0.083	72.000	Round	70-2000
Welded	2.120	0.120	72.000	Round	70-2125
Welded	2.250	0.120	72.000	Round	70-2250
Welded	2.500	0.134	72.000	Round	70-2500
Welded	2.750	0.109	72.000	Round	70-2750

AUX/PTO TUBING - RECTANGULAR



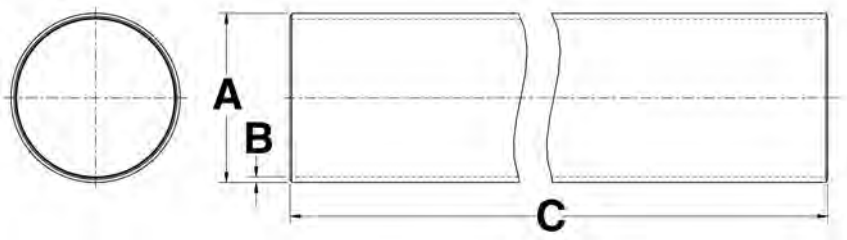
Outside Dia.	Wall Thickness	Length	Tubing Type	Part Number
1.000 x 1.125 Rectangle	0.125	72.000	Rectangular	70-1001
1.250 X 1.375 Rectangle	0.130	72.000	Rectangular	70-1250

DRIVESHAFT TUBING - STEEL



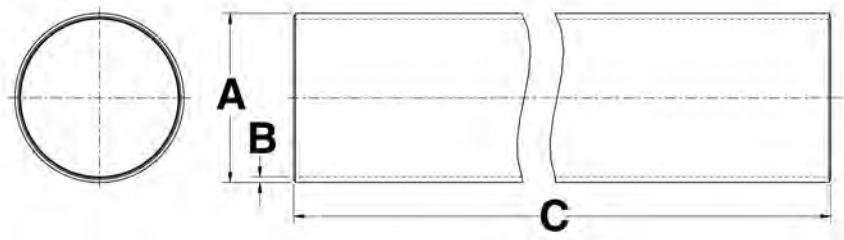
Tubing Type	A Outside Dia.	B Wall Thickness	C Length	Part Number
DOM	1.250	0.120	62.000	ND10-32-92-62
DOM	1.250	0.120	84.000	ND10-32-92-84
DOM	1.625	0.065	48.010	NOE-07-162-065-A
DOM	2.000	0.065	84.000	ND16-30-32-84
Welded	2.000	0.083	62.000	N16-30-62-62
DOM	2.000	0.083	62.000	ND16-30-62-62
Welded	2.000	0.083	84.000	N16-30-62-84
DOM	2.000	0.083	84.000	ND16-30-62-84
Welded	2.000	0.095	62.000	N16-30-42-62
Welded	2.000	0.095	84.000	N16-30-42-84
DOM	2.000	0.120	62.000	ND16-30-102-62
Welded	2.000	0.120	62.000	N16-30-102-62
DOM	2.000	0.120	84.000	ND16-30-102-84
Welded	2.000	0.120	84.000	N16-30-102-84
DOM	2.500	0.065	62.000	ND20-30-12-62

DRIVESHAFT TUBING - STEEL (Cont'd)



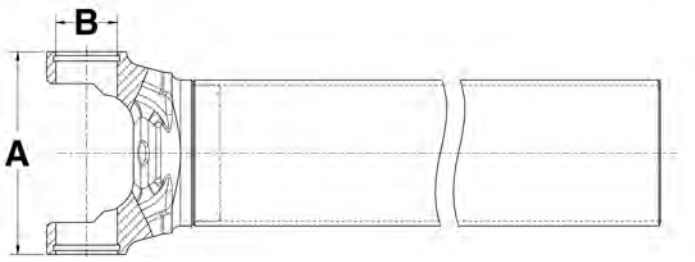
Tubing Type	A Outside Dia.	B Wall Thickness	C Length	Part Number
DOM	2.500	0.065	84.000	ND20-30-12-84
Welded	2.500	0.083	62.000	N20-30-22-62
DOM	2.500	0.083	62.000	ND20-30-22-62
Welded	2.500	0.083	84.000	N20-30-22-84
DOM	2.500	0.083	84.000	ND20-30-22-84
DOM	2.500	0.095	84.000	ND20-30-52-84
DOM	2.500	0.120	62.000	ND20-30-62-62
DOM	2.750	0.065	62.000	ND22-30-12-62
DOM	2.750	0.065	84.000	ND22-30-12-84
Welded	2.750	0.083	62.000	N22-30-22-62
DOM	2.750	0.083	62.000	ND22-30-22-62
Welded	2.750	0.083	84.000	N22-30-22-84
DOM	2.750	0.083	84.000	ND22-30-22-84
DOM	3.000	0.065	62.000	ND24-30-32-62
DOM	3.000	0.065	84.000	ND24-30-32-84
Welded	3.000	0.083	62.000	N24-30-42-62
DOM	3.000	0.083	62.000	ND24-30-42-62
Welded	3.000	0.083	84.000	N24-30-42-84
DOM	3.000	0.083	84.000	ND24-30-42-84
Welded	3.000	0.095	62.000	N24-30-12-62
Welded	3.000	0.095	84.000	N24-30-12-84
Welded	3.250	0.065	62.000	N26-30-12-62
Welded	3.250	0.065	84.000	N26-30-12-84
DOM	3.500	0.065	62.000	ND28-30-42-62
DOM	3.500	0.065	84.000	ND28-30-42-84
Welded	3.500	0.083	62.000	N28-30-62-62
DOM	3.500	0.083	62.000	ND28-30-62-62
Welded	3.500	0.083	84.000	N28-30-62-84
DOM	3.500	0.083	84.000	ND28-30-62-84
Welded	3.500	0.095	62.000	N28-30-22-62
Welded	3.500	0.095	84.000	N28-30-22-84
Welded	3.500	0.134	62.000	N28-30-92-62
Welded	3.500	0.134	84.000	N28-30-92-84

DRIVESHAFT TUBING - STEEL (Cont'd)



Tubing Type	A Outside Dia.	B Wall Thickness	C Length	Part Number
Welded	3.500	0.156	62.000	N28-30-52-62
Welded	3.500	0.156	84.000	N28-30-52-84
DOM	4.000	0.065	72.000	TD-143
Welded	4.000	0.083	62.000	N32-30-22-62
DOM	4.000	0.083	62.000	ND32-30-22-62
Welded	4.000	0.083	84.000	N32-30-22-84
DOM	4.000	0.083	84.000	ND32-30-22-84
DOM	4.000	0.095	62.000	ND32-30-12-62
DOM	4.000	0.095	84.000	ND32-30-12-84
Welded	4.000	0.134	62.000	N32-30-52-62
Welded	4.000	0.134	84.000	N32-30-52-84
DOM	4.500	0.134	62.000	ND36-30-62-62
DOM	4.500	0.134	84.000	ND36-30-62-84
DOM	4.500	0.259	62.000	ND36-30-22-62
DOM	4.500	0.259	84.000	ND36-30-22-84
DOM	4.590	0.180	62.000	ND36-30-102-62
DOM	4.590	0.180	84.000	ND36-30-102-84
DOM	4.730	0.197	72.000	ND110-30-5-72
DOM	4.980	0.120	72.000	ND120-30-3-72
DOM	5.060	0.167	72.000	ND120-30-4-72
DOM	5.120	0.197	72.000	ND120-30-5-72
DOM	5.200	0.236	72.000	ND120-30-6-72

YOKE & TUBE ASSEMBLY



DL Series	Dia. and Wall Thickness	D Center To End Of Tube	Part Number
	1310 Series A-3.469 B-1.063		
1310	2.000 X 0.083	49.438	N2-27-7-4724
1310	2.500 X 0.083	62.375	N2-27-9-6017
1310	3.000 X 0.083	49.688	N2-27-24-4800
1310	3.000 X 0.083	61.688	N2-27-24-6000
	1330 Series A-3.875 B-1.063		
1330	2.500 x 0.083	23.319	N2-27-25-5600
1330	3.000 X 0.083	61.719	N2-27-30-6000
1330	3.500 X 0.083	73.812	N2-27-35-7200
	1350 Series A-3.875 B-1.188		
1350	3.000 X 0.083	66.000	N3-27-2-6400
1350	3.500 X 0.083	73.812	N3-27-7-7200
	1410 Series A-4.438 B-1.188		
1410	3.000 X 0.083	65.031	N3-27-3-6229
1410	3.500 X 0.083	73.812	N3-27-4-7200
	1480 Series A-4.438 B-1.375		
1480	3.500 X 0.083	63.344	N3-27-22-6110

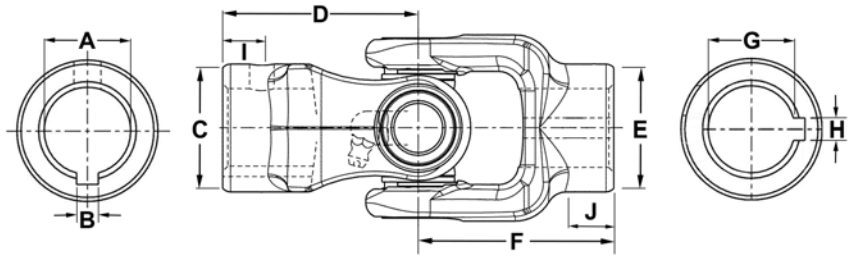
PTO TUBING

Tube Type	Tube Profile/ shape	DL Series	Outside Dia.	Wall Thickness	Length	Part Number
		B&P1				
Inner Profile	Benzi	B&P1	1.040	0.140	59.000	70-0105
Outer Profile	Benzi	B&P1	1.280	0.093	59.000	70-0104

PTO TUBING (Cont'd)

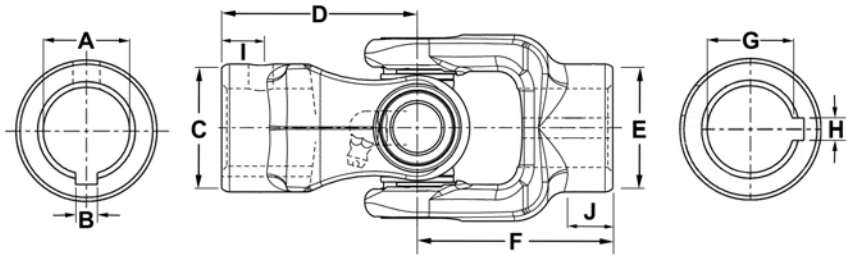
Tube Type	Tube Profile/ shape	DL Series	Outside Dia.	Wall Thickness	Length	Part Number
			B&P2			
Inner Profile	Benzi	B&P2	1.140	0.156	59.000	70-0205
			B&P3			
Outer Profile	Benzi	B&P3	1.420	0.125	59.000	70-0305
			B&P4			
Inner Profile	Benzi	B&P4	1.420	0.171	59.000	70-0405
Outer Profile	Benzi	B&P4	1.700	0.125	59.000	70-0304
			B&P5			
Outer Profile	Benzi	B&P5	2.010	0.109	59.000	70-0504
			B&P6			
Inner Profile	Benzi	B&P6	1.760	0.156	59.000	70-0505
			B&P7			
Inner Profile	Benzi	B&P7	1.750	0.218	59.000	70-0705
			B&P8			
Outer Profile	Benzi	B&P8	2.100	0.156	59.000	70-0704
Outer Profile	Benzi	B&P8	2.500	0.156	59.000	70-0804
			W2100			
Inner Profile	Lemon	W2100	0.920	0.140	59.000	70-2105
Outer Profile	Lemon	W2100	1.180	0.109	59.000	70-2104
			W2400			
Inner Profile	Lemon	W2400	1.560	0.171	59.000	70-2405
Outer Profile	Lemon	W2400	1.890	0.156	59.000	70-2404
			W2500			
Inner Profile	Star	W2500	2.000	***	59.000	70-2505
Outer Profile	Star	W2500	2.400	0.171	59.000	70-2504
			WI			
Inner Profile	Lemon	WI	1.350	0.156	59.000	70-2205
Outer Profile	Lemon	WI	1.620	0.109	59.000	70-2204

PTO YOKE AND U-JOINT ASSEMBLY



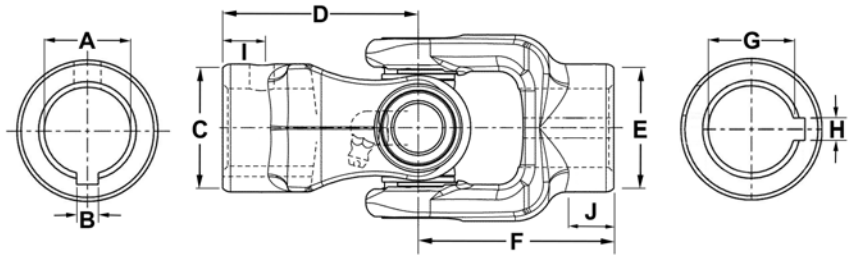
A Yoke 1 Bore Size & Shape	B Yoke 1 Keyway Width	C Yoke 1 Hub Dia.	D Yoke 1 CL To End Of Hub	E Yoke 2 Hub Dia.	F Yoke 2 CL To End Of Hub	G Yoke 2 Bore Size & Shape	Yoke 1 Set Screw Thread Size	Part Number
		1000 Series	U-Joint: 1-0170	A-2.312	B-0.938	C-1.500		
0.750 Round	0.251	***	2.500	***	2.500	0.750 Round	3/8-16 UNC 2B	11-2004
0.750 Round	0.188	***	2.500	***	2.500	0.750 Round	3/8-16 UNC 2B (2)	11-2005
0.750 Round	0.188	***	2.500	***	2.500	0.750 Round	3/8-16 UNC 2B	11-2018
0.750 Round	0.251	***	2.500	***	2.500	0.813 Round	3/8-16 UNC 2B	11-2049
0.750 Round	0.188	***	2.500	***	2.500	1.127 Hexagonal	3/8-16 UNC 2B	11-2033
0.813 Round	0.251	1.630	2.500	1.630	2.500	0.750 Square	3/8-16 UNC 2B	11-1619
0.813 Round	0.251	***	2.500	***	2.500	0.813 Round	3/8-16 UNC 2B	11-2003
0.813 Round	0.251	***	5.500	***	2.500	0.813 Round	Fitting	11-3002
0.875 Round	0.188	***	2.500	***	2.500	0.875 Round	3/8-16 UNC 2B	11-2002
0.875 Round	0.251	***	2.500	***	2.500	0.875 Round	3/8-16 UNC 2B	11-2016
0.875 Round	0.188, 0.251	***	2.500	***	2.500	0.875 Round	3/8-16 UNC 2B	11-3980
0.875 Round	0.251	***	2.500	***	2.500	1.000 Round	3/8-16 UNC 2B	11-2042
0.875 Round	0.251	***	5.500	***	2.500	0.875 Round	3/8-16 UNC 2B	11-3025
0.875 Square	***	***	2.500	***	2.500	1.000 Round	3/8-16 UNC 2B	11-1647
0.875 Square	***	***	2.500	***	2.500	1.000 Round	3/8-16 UNC 2B	11-1893
0.876 Round	***	1.630	2.500	1.630	2.500	0.876 Round	7/16-20 UNF	11-0002
0.879 Square	***	***	5.500	***	2.500	1.000 Round	Fitting	11-1881
0.938 Round	0.251	***	2.500	***	2.500	0.938 Round	3/8-16 UNC 2B	11-2006
1.000 Round	0.251	***	2.500	***	5.500	0.750 x 0.880 Rectangle	3/8-16 UNC 2B	11-3989
1.000 Round	0.251	1.630	2.500	1.630	2.500	1.000 Round	3/8-16 UNC 2B	11-1400
1.000 Round	***	***	2.500	***	2.500	1.000 Round	0.380 DT	11-1672
1.000 Round	0.251	***	2.500	***	2.500	1.000 Round	3/8-16 UNC 2B	11-2007
1.000 Round	0.188, 0.251	***	2.500	***	2.500	1.000 Round	3/8-16 UNC 2B	11-3985
1.000 Round	0.251	***	2.500	***	2.500	1.250 Round	3/8-16 UNC 2B	11-1623
1.000 Round	0.251	***	5.500	***	2.500	1.000 Round	Fitting	11-3018
1.000 Round	0.251	***	5.500	***	2.500	1.250 Round	Fitting	11-1751

PTO YOKE AND U-JOINT ASSEMBLY



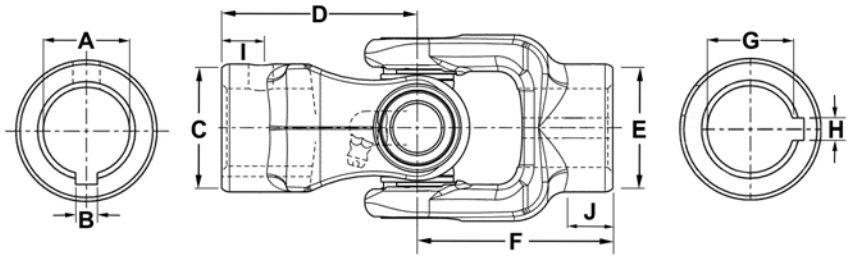
H Yoke 2 Keyway Width	I Yoke 1 End Of Hub To Set Screw	J Yoke 2 End Of Hub To Set Screw	Yoke 1 Keyway Location	Yoke 1 Set Screw Location	Yoke 1 Set Screw Thread Size	Yoke 2 Keyway Location	Yoke 2 Set Screw Location	Yoke 2 Set Screw Thread Size	Part Number
1000 Series A-2.312 B-0.938 C-1.500									
0.251	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2004
0.188	0.500	0.500	Gap	Ear	3/8-16 UNC 2B (2)	Gap	Ear	3/8-16 UNC 2B (2)	11-2005
0.188	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2018
0.251	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2049
***	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	***	Gap	3/8-16 UNC 2B	11-2033
***	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	***	Gap	3/8-16 UNC 2B	11-1619
0.251	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2003
0.251	1.750	0.500	Gap	Gap	Fitting	Gap	Gap	3/8-16 UNC 2B	11-3002
0.188	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2002
0.251	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2016
0.188, 0.251	0.500	0.500	Gap	Ear	3/8-16 UNC 2B	Gap	Ear	3/8-16 UNC 2B	11-3980
0.251	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2042
0.251	1.750	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-3025
0.251	0.630	0.500	***	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-1647
0.250	0.630	0.500	***	Gap	3/8-16 UNC 2B	Gap	Ear	3/8-16 UNC 2B	11-1893
***	0.500	0.500	***	Ear	7/16-20 UNF	***	Ear	7/16-20 UNF	11-0002
0.250	1.750	0.500	***	Gap	Fitting	Gap	Ear	3/8-16 UNC 2B	11-1881
0.251	0.500	0.500	Ear	Ear	3/8-16 UNC 2B	Ear	Ear	3/8-16 UNC 2B	11-2006
***	0.500	1.000	Gap	Gap	3/8-16 UNC 2B	***	Gap	90 degree fitting	11-3989
0.251	0.500	0.500	Gap	Ear	3/8-16 UNC 2B	Gap	Ear	3/8-16 UNC 2B	11-1400
***	0.500	0.500	***	Ear	0.380 DT	***	Ear	0.380 DT	11-1672
0.251	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2007
0.188, 0.251	0.500	0.500	Gap	Ear	3/8-16 UNC 2B	Gap	Ear	3/8-16 UNC 2B	11-3985
0.313	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-1623
0.251	1.750	0.500	Gap	Gap	Fitting	Gap	Gap	3/8-16 UNC 2B	11-3018
***	1.750	0.500	Gap	Gap	Fitting	***	Ear	0.380 DT	11-1751

PTO YOKE AND U-JOINT ASSEMBLY (Cont'd)



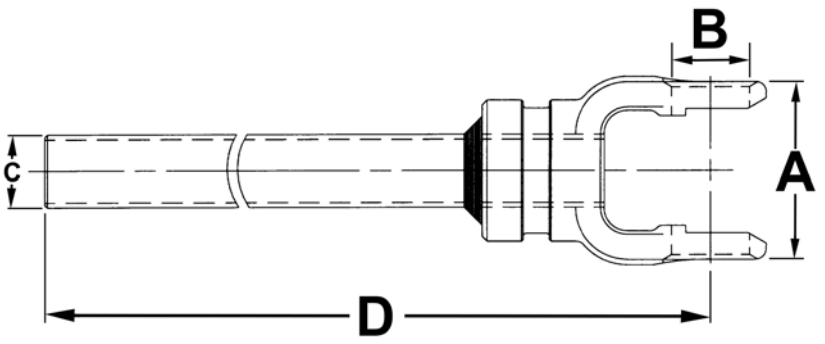
A Yoke 1 Bore Size & Shape	B Yoke 1 Keyway Width	C Yoke 1 Hub Dia.	D Yoke 1 CL To End Of Hub	E Yoke 2 Hub Dia.	F Yoke 2 CL To End Of Hub	G Yoke 2 Bore Size & Shape	Yoke 1 Set Screw Thread Size	Part Number
1000 Series U-Joint: 1-0170 A-2.312 B-0.938 C-1.500								
1.125 Round	0.251	***	2.500	***	2.500	1.125 Round	3/8-16 UNC 2B	11-1609
1.125 Round	0.313	***	2.500	***	2.500	1.125 Round	3/8-16 UNC 2B	11-2009
1.125 Round	0.251, 0.313	***	2.500	***	2.500	1.125 Round	3/8-16 UNC 2B	11-3986
1.127 Hexagonal	***	***	2.500	***	2.500	1.000 Round	3/8-16 UNC 2B	11-2035
1.127 Hexagonal	***	***	2.500	***	2.500	1.125 Round	3/8-16 UNC 2B	11-1627
1.127 Hexagonal	***	***	2.500	***	2.500	1.250 Round	3/8-16 UNC 2B	11-2036
1.127 Hexagonal	***	***	2.500	***	1.560	Flange Yoke	3/8-16 UNC 2B	11-6832
1.129 Hexagonal	***	***	5.500	***	2.500	0.875 Round	3/8-16 UNC 2B	11-3065
1.129 Hexagonal	***	***	5.500	***	2.500	1.250 Round	3/8-16 UNC 2B	11-3009
1.129 Hexagonal	***	***	5.500	***	1.560	Flange Yoke	3/8-16 UNC 2B	11-6831
1.250 Round	0.313	***	2.500	***	2.500	1.250 Round	3/8-16 UNC 2B	11-2008
1.250 Round	0.251, 0.313	***	2.500	***	2.500	1.250 Round	3/8-16 UNC 2B	11-3990
1.250 Round	0.313	***	5.500	***	2.500	1.250 Round	Fitting	11-3092
1200 Series U-Joint: 1-1275 A-2.562 B-1.063 C-1.812								
0.750 Round	0.188	***	2.750	***	2.750	0.750 Round	3/8-16	13-8488
0.875 Round	0.251	***	2.750	***	2.750	0.876 Round	3/8-16	13-5995
1.000 Round	0.188	***	3.500	***	3.500	1.000 Round	3/8-16	13-6075
1.125 Round	0.251, 0.313	***	3.500	***	3.500	1.125 Round	3/8-16	13-6780
1.249 Square	n/a	***	2.750	***	2.750	1.249 Square	0.340 DT	13-8675
1.250 Round	***	***	2.630	***	2.750	1.000 Square	0.450 DT	13-6475
1.250 Round	0.251	***	2.750	***	2.750	1.250 Round	3/8-16	13-6201
1.250 Round	0.313	***	3.250	***	3.250	1.250 Round	3/8-16 BH	13-8868
1.438 Round	0.376	***	3.000	***	2.750	1.249 Square	3/8-16 UNC 2B (2)	13-9119
1.500 Round	0.376	***	2.750	***	2.750	1.500 Round	3/8-16 (2)	13-7080

PTO YOKE AND U-JOINT ASSEMBLY (Cont'd)



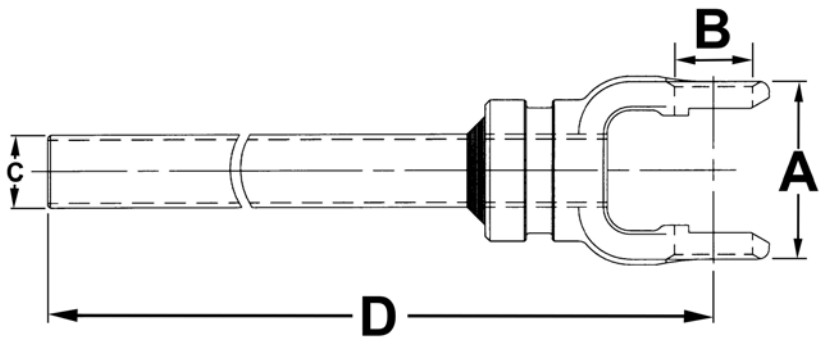
H Yoke 2 Keyway Width	I Yoke 1 End Of Hub To Set Screw	J Yoke 2 End Of Hub To Set Screw	Yoke 1 Keyway Location	Yoke 1 Set Screw Location	Yoke 1 Set Screw Thread Size	Yoke 2 Keyway Location	Yoke 2 Set Screw Location	Yoke 2 Set Screw Thread Size	Part Number
1000 Series A-2.312 B-0.938 C-1.500									
0.251	0.500	0.500	***	***	3/8-16 UNC 2B	***	***	3/8-16 UNC 2B	11-1609
0.313	0.500	0.500	Gap	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2009
0.251, 0.313	0.500	0.500	Gap	Ear	3/8-16 UNC 2B	Gap	Ear	3/8-16 UNC 2B	11-3986
0.188	0.500	0.500	***	Gap	3/8-16 UNC 2B	Gap	Ear	3/8-16 UNC 2B	11-2035
0.251	0.500	0.500	***	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-1627
0.313	0.500	0.500	***	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-2036
***	0.500	***	***	Gap	3/8-16 UNC 2B	***	***	2.250 Male Pilot, 2.750 Bolt Circle	11-6832
0.251	1.750	0.500	***	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-3065
0.313	1.750	0.500	***	Gap	3/8-16 UNC 2B	Gap	Gap	3/8-16 UNC 2B	11-3009
***	1.750	***	***	Gap	3/8-16 UNC 2B	***	***	2.250 Male Pilot, 2.750 Bolt Circle	11-6831
0.313	0.500	0.500	Gap	Gap, Ear	3/8-16 UNC 2B	Gap, Ear	Gap	3/8-16 UNC 2B	11-2008
0.251, 0.313	0.500	0.500	Gap (2)	Ear	3/8-16 UNC 2B	Gap (2)	Ear	3/8-16 UNC 2B	11-3990
0.313	1.750	0.500	Gap	Gap	Fitting	Gap	Gap	3/8-16 UNC 2B	11-3092
1200 Series A-2.562 B-1.063 C-1.812									
0.188	0.630	0.630	Ear	Gap	3/8-16	Ear	Gap	3/8-16	13-8488
0.251	0.630	0.630	Ear	Gap	3/8-16	Ear	Gap	3/8-16	13-5995
0.188	0.880	0.880	Ear	Gap	3/8-16	Ear	Gap	3/8-16	13-6075
0.251, 0.313	0.880	0.880	Ear	Gap	3/8-16	Ear	Gap	3/8-16	13-6780
n/a	0.630	0.630	n/a	Gap	0.340 DT	n/a	Gap	0.340 DT	13-8675
***	0.630	0.750	***	Gap	0.450 DT	***	Gap	0.316 DT	13-6475
0.251	0.630	0.630	Gap	Ear	3/8-16	Gap	Ear	3/8-16	13-6201
0.313	0.630	0.630	Ear	Clamp	3/8-16 BH	Ear	Clamp	3/8-16 BH	13-8868
***	0.630	0.630	Gap	Ear, Gap	3/8-16 UNC 2B (2)	***	Gap	0.340 DT	13-9119
0.376	0.630	0.630	Gap	Ear, Gap	3/8-16 (2)	Gap	Ear, Gap	3/8-16 UNC 2B (2)	13-7080

PTO YOKE AND TUBE ASSEMBLY



DL Series	C Tube Dia. & Wall Thickness	D CL To End Of Tube	Part Number
1000 Series A-2.312 B-0.938 C-1.500			
1000	0.750 x 0.875 Rectangle	24.000	65-0627
1000	0.750 x 0.875 Rectangle	36.000	65-0639
1000	0.750 x 0.875 Rectangle	48.000	65-0651
1000	1.000 x 1.125 Rectangle	24.000	64-0627
1000	1.000 x 1.125 Rectangle	36.000	64-0639
1000	1.000 x 1.125 Rectangle	48.000	64-0651
1200 Series A-2.562 B-1.063 C-1.812			
1200	1.000 x 1.125 Rectangle	24.000	65-2827
1200	1.000 x 1.125 Rectangle	36.000	65-2839
1200	1.000 x 1.125 Rectangle	47.900	65-2851
1200	1.280 x 1.410 Rectangle	24.000	64-2727
1200	1.280 x 1.410 Rectangle	36.000	64-2739
1200	1.280 x 1.410 Rectangle	48.000	64-2751
1800 Series B-1.00 C-2.34			
1800	1.000 x 1.125 Rectangle	24.000	65-1828
1800	1.000 x 1.125 Rectangle	36.000	65-1840
1800	1.000 x 1.125 Rectangle	48.000	65-1852
1800	1.300 x 1.420 Rectangle	24.000	64-1828
1800	1.300 x 1.420 Rectangle	36.000	64-1840
1800	1.300 x 1.420 Rectangle	48.000	64-1852
2000 Series A-2.625 B-1.125 C-1.85			
2000	1.000 x 1.125 Rectangle	23.600	65-2828
2000	1.000 x 1.125 Rectangle	24.760	64-2728
2000	1.000 x 1.125 Rectangle	35.750	65-2840
2000	1.000 x 1.125 Rectangle	36.570	64-2740
2000	1.000 x 1.125 Rectangle	48.570	64-2752

PTO YOKE AND TUBE ASSEMBLY (Cont'd)



DL Series	C Tube Dia. & Wall Thickness	D CL To End Of Tube	Part Number
2200 Series A-3.218 B-1.250 C-2.06			
2200	1.187 Square	24.620	64-2529
2200	1.187 Square	35.120	64-2539
2200	1.187 Square	47.120	64-2551
2200	1.187 X 1.187 Square	23.900	65-2629
2200	1.187 X 1.187 Square	33.900	65-2639
2600 Series B-1.37 C-2.81			
2600	1.312 Square	23.600	65-6629
2600	1.312 Square	24.000	64-6529
2600	1.312 Square	33.380	64-6539
2600	1.312 Square	34.250	65-6639
2600	1.312 Square	46.130	64-6551
N44 Series B-1.31 C-2.79			
N44	1.312 Square	22.900	65-4423
N44	1.312 Square	24.130	64-4424
N44	1.312 Square	34.630	64-4435
N44	1.312 Square	35.400	65-4435
N44	1.312 Square	46.070	64-4447

Notes

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THE DRIVELINE EXPERTS

SECTION

7

Stub Shaft

SUB SECTION

C.V. Flange Stub

Splined Mid-Ship - Outboard Slip Yokes

Mid-Ship Cap Screw & Shaft Nut Type

Slip Stub Shaft

PTO Stub Shaft

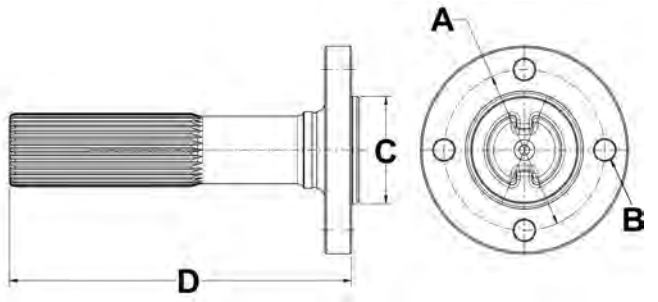


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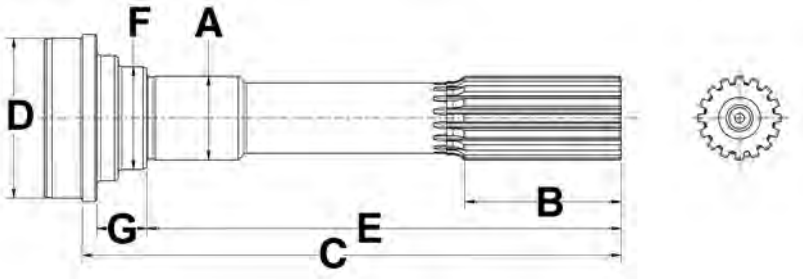
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CV FLANGE STUB



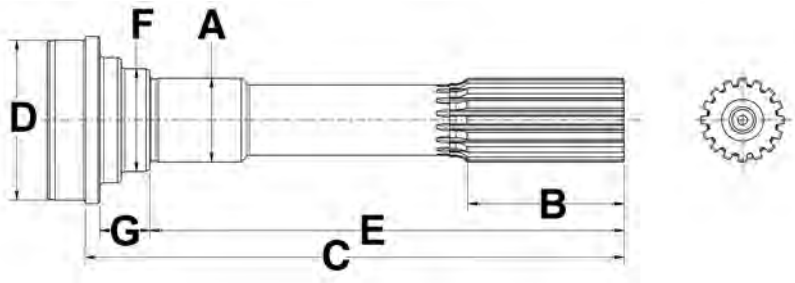
DL Series	Spline/Number Teeth	A Bolt Circle	B Hole/ Thread Size	Number Of Bolt Holes	C Pilot Dia.	D Flange Face To End	Part Number
1310 Series A-3.469 B-1.063							
1310	1.375-32	3.000	0.375	4	2.000-M	6.375	N2-81-1181

SPLINED MID-SHIP - OUTBOARD SLIP YOKES



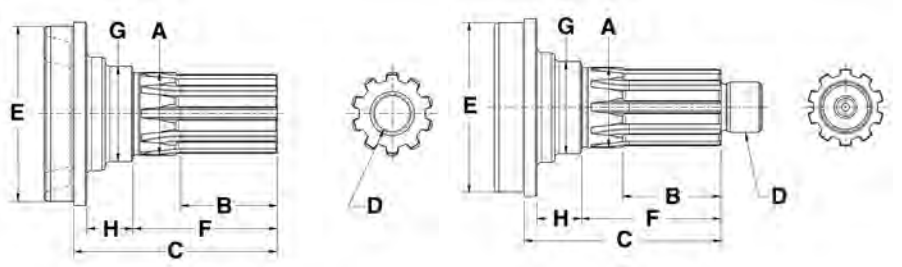
Spline/Number Teeth	A Bearing Dia.	Tubing Dia. And Wall	B Length Of Spline	C End Of Spline To Point Of Weld	D Butt Dia.	E End Of Spline To Brg. Shoulder	F Shoulder Dia.	G Length Of Shoulder	Part Number
1.375-16	***	1.620 X 0.205	2.500	9.000	1.219	7.469	***	***	N2-53-9170-5
1.375-31/32	1.380	1.620 X 0.205	3.375	9.000	1.219	7.469	1.630	***	N3-53-1181-5
1.375-16	1.378	2.500 X 0.083	5.406	8.000	2.344	6.938	1.688	0.812	N2-53-471
1.375-16	1.378	2.500 X 0.083	4.969	8.094	2.344	6.750	1.719	1.125	N3-53-1351
1.375-31/32	1.378	2.750 X 0.065	3.375	8.812	2.625	7.469	1.719	1.125	N3-53-1181-2
1.375-16	***	2.750 X 0.065	2.500	8.844	2.625	***	***	***	N2-53-9170-2
1.375-31/32	1.378	2.750 X 0.095	3.375	8.812	2.578	7.469	1.719	1.125	N3-53-1181-1
1.375-16	1.378	3.000 X 0.065	5.406	8.000	2.875	6.938	1.688	0.812	N2-53-491
1.375-15/16	1.378	3.000 X 0.065	2.500	8.844	2.875	7.781	1.688	0.812	N2-53-691
1.375-16	1.378	3.000 X 0.083	4.438	7.031	2.844	5.969	1.688	0.812	N3-53-1371
1.375-16	1.355	3.000 x 0.083	4.438	7.031	2.844	5.590	1.772	1.190	N3-53-1372

SPLINED MID-SHIP - OUTBOARD SLIP YOKES (Cont'd)



Spline/Number Teeth	A Bearing Dia.	Tubing Dia. And Wall	B Length Of Spline	C End Of Spline To Point Of Weld	D Butt Dia.	E End Of Spline To Brg. Shoulder	F Shoulder Dia.	G Length Of Shoulder	Part Number
1.500-16	1.575	3.000 X 0.083	4.438	7.062	2.844	5.938	1.812	0.875	N3-53-1031
1.375-16	1.378	3.000 X 0.083	5.406	8.000	2.844	6.938	1.688	0.812	N2-53-501
1.375-16	1.378	3.000 X 0.083	4.969	8.094	2.844	6.750	1.719	1.125	N3-53-1361
1.375-31/32	1.378	3.000 X 0.083	3.375	8.812	2.844	7.469	1.719	1.125	N3-53-1181
1.375-15/16	1.378	3.000 X 0.083	2.500	8.844	2.844	7.781	1.688	0.812	N2-53-711
1.562-16	1.575	3.500 X 0.083	5.938	8.531	3.344	7.469	1.938	0.812	N3-53-451
1.750-16	1.772	3.500 X 0.095	5.938	8.562	3.312	7.469	2.188	0.812	N4-53-61

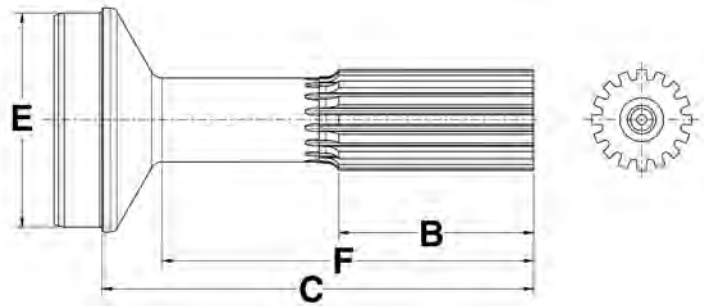
MID-SHIP - CAP SCREW & SHAFT NUT TYPE



Spline/Number Teeth	A Bearing Dia.	Tubing Dia. And Wall	B Length Of Spline	C End Of Spline To Point Of Weld	D Thread Size	E Butt Dia.	F End Of Spline To Brg. Shoulder	G Shoulder Dia.	H Length Of Shoulder	Driveshaft Nut	Part Number
1.375-10	1.378	2.500 X 0.083	1.750	3.750	1.000-20-M UNF	2.344	2.688	1.688	0.812	***	N2-53-1191
1.500-10	1.575	3.000 X 0.083	1.938	3.875	1.000-20-M UNEF	2.844	2.750	1.812	0.875	***	N3-53-1781
1.375-10	1.378	3.000 X 0.083	1.688	4.000	1.000-20-M UNEF	2.844	2.656	1.719	1.125	***	N3-54-611
1.500-10	1.575	3.500 X 0.083	1.812	3.875	0.750-16-F UNF	3.344	2.750	1.812	0.875	***	N3-53-1081
1.500-10	1.575	3.500 X 0.083	1.938	3.875	1.000-20-M UNEF	3.344	2.750	1.812	0.875	***	N3-53-1791
1.500-10	1.575	3.500 X 0.083	1.875	4.031	0.750-16-F UNF	3.344	2.969	1.938	0.812	***	N3-53-431
1.500-10	1.575	3.500 X 0.095	1.875	4.031	0.750-16-F UNF	3.312	2.969	1.938	0.812	***	N4-53-71
1.750-10	1.772	3.500 X 0.134	2.094	4.344	1.250-18-M UNEF	3.250	3.250	2.188	0.812	***	N5-53-141
1.750-34	1.772	4.000 X 0.134	2.156	4.219	1.250-18-M UNEF	3.742	3.125	2.188	0.812	***	N5-53-271
1.750-10	1.772	4.000 X 0.134	2.281	4.344	1.250-18-M UNEF	3.734	3.250	2.188	0.812	***	N5-53-191
1.950-38	1.968	4.000 X 0.134	2.844	5.156	1.250-18-M UNEF	3.750	4.000	2.438	0.812	***	N6-53-411
1.953-10	1.968	4.000 X 0.134	2.875	5.156	1.250-18-M UNEF	3.750	4.000	2.438	0.812	***	N6-53-201
2.349-16	2.362	4.000 X 0.134	2.625	5.312	1.250-18-M UNEF	3.750	4.000	2.875	0.812	***	N6-53-311
1.953-10	1.968	4.000 X 0.134	2.875	5.562	1.250-18-M UNEF	3.750	4.000	2.438	0.812	***	N6-53-201-1
2.350-46	2.362	4.095 X 0.180	2.719	5.312	1.250-18-M UNEF	3.750	4.000	2.875	0.812	***	N6.3-53-21
1.953-10	1.968	4.500 X 0.134	2.875	5.156	1.250-18-M UNEF	4.250	4.000	2.438	0.812	***	N6-53-241
2.349-16	2.362	4.500 X 0.134	2.625	5.312	1.250-18-M UNEF	4.250	4.000	2.875	0.812	***	N6.5-53-91
2.350-46	2.362	4.500 X 0.259	2.719	5.312	1.250-18-M UNEF	4.000	4.000	2.875	0.812	***	N6.5-53-181
2.349-16	2.362	4.500 X 0.259	2.750	5.438	1.250-18-M UNEF	4.000	4.000	2.875	0.812	***	N6.5-53-51
2.350-46	2.362	4.590 X 0.180	2.719	5.312	1.250-18-M UNEF	4.250	4.000	2.875	0.812	***	N6.5-53-171
2.350-46	2.362	5.196 X 0.236	2.719	5.312	1.250-18-M UNEF	4.750	4.000	2.875	0.812	N20-74-91	N250-53-11
N90/N100											
1.750-34	1.772	4.000 X 0.095	2.210	4.3640	1.25-18	3.822	3.200	2.160	***	***	N100-53-31
1.931-30	1.725	4.000 X 0.095	4.000	10.040	***	3.822	7.190	1.968	1.760	***	N90-53-21
1.931-29/30	1.729	4.000 X 0.095	4.000	10.710	***	3.822	7.700	1.968	1.870	***	N100-53-21

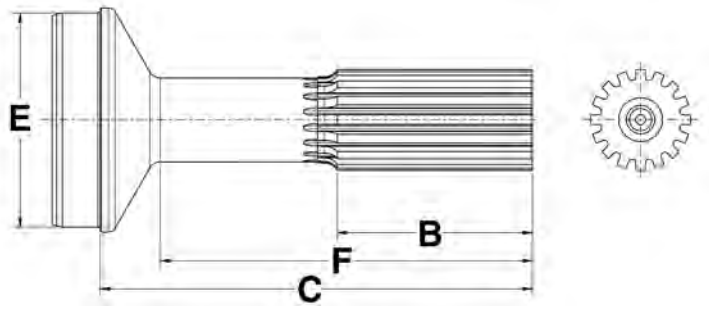
UNF – Unified Inch Fine Thread Series UNEF – Unified Inch Extra Fine Thread Series

SLIP STUB SHAFT



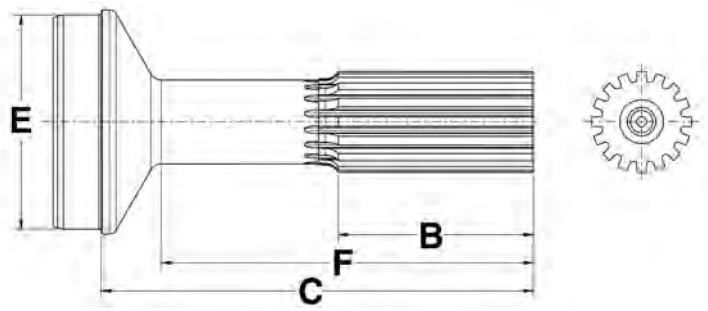
Spline/Number Teeth	Tubing Dia. And Wall	B Length Of Spline	C End Of Spline To Weld	E Butt Dia.	F End Of Spline To Radius	Part Number
1.375-16	***	2.500	24-OAL	1.250	***	N2-40-138-2
1.250-16	1.250 X 0.120	2.000	6.125	1.031	5.375	N2-40-1771
1.250-16	2.000 X 0.083	2.000	4.750	1.844	4.188	N2-40-971-2
1.375-16	2.000 X 0.083	2.250	5.188	1.844	4.625	N2-40-1031
1.250-16	2.000 X 0.083	2.000	6.000	1.844	5.406	N2-40-1741
1.375-16	2.000 X 0.083	2.250	6.688	1.844	6.125	N2-40-1841-1
1.250-16	2.000 X 0.120	2.000	6.000	1.766	5.406	N2-40-2381
1.375-16	2.000 X 0.120	2.250	6.188	1.766	5.625	N2-40-1701
1.375-16	2.000 X 0.120	2.250	6.688	1.766	6.125	N2-40-1701-1
1.375-16	2.000 X 0.120	6.250	7.750	1.766	7.250	N2-40-1701-2
1.500-16	2.000 X 0.120	6.531	8.766	1.766	7.766	N3-40-2012
1.375-16	2.500 X 0.065	2.250	4.030	2.378	***	N2-40-1251
1.250-16	2.500 X 0.065	2.000	6.125	2.375	5.406	N2-40-2211
1.375-16	2.500 X 0.065	2.250	6.344	2.375	5.625	N2-40-1811
1.375-16	2.500 X 0.065	2.250	6.844	2.375	6.125	N2-40-1291
1.250-16	2.500 X 0.065	2.500	7.562	2.375	6.844	N2-40-2301
1.500-16	2.500 X 0.083	2.500	5.625	2.344	4.969	N3-40-1471
1.375-16	2.500 X 0.083	2.250	6.344	2.344	5.625	N2-40-1711BP
1.375-16	2.500 X 0.083	2.250	6.344	2.344	5.625	N2-40-1711
1.375-16	2.500 X 0.083	2.250	7.531	2.344	6.812	N2-40-1851BP
1.375-16	2.500 X 0.083	2.250	7.531	2.344	6.812	N2-40-1851
1.500-16	2.500 X 0.083	6.531	8.766	2.344	7.766	N3-40-2508
1.375-16	2.500 X 0.095	2.250	7.531	2.312	6.812	N2-40-1951
1.375-16	2.500 X 0.095	3.375	8.125	2.312	7.250	N2-40-2791-1
1.500-16	2.500 X 0.095	6.531	8.766	2.312	7.766	N3-40-2509
1.500-16	2.500 X 0.120	6.531	8.766	2.266	7.766	N3-40-2512

SLIP STUB SHAFT (Cont'd)



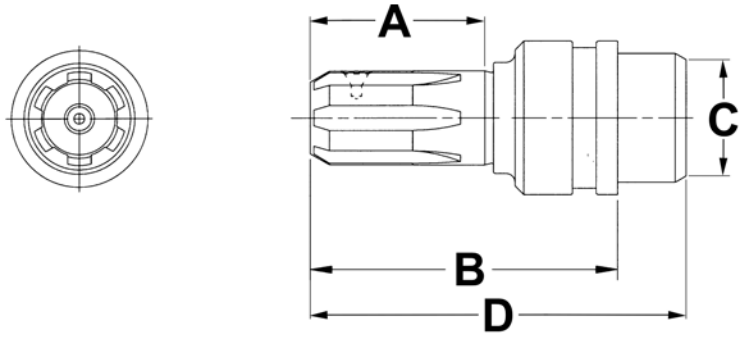
Spline/Number Teeth	Tubing Dia. And Wall	B Length Of Spline	C End Of Spline To Weld	E Butt Dia.	F End Of Spline To Radius	Part Number
1.375-16	2.750 X 0.065	2.250	6.438	2.625	5.625	N2-40-1221-1
1.500-16	2.750 X 0.083	2.500	7.250	2.594	6.438	N3-40-1222
1.375-15	2.750 x 0.095	2.500	6.340	2.568	***	N2-53-711-2
1.375-16	3.000 X 0.065	2.250	6.438	2.875	5.625	N2-40-1221
1.375-16	3.000 X 0.065	2.250	7.625	2.880	6.812	N2-40-2051
1.500-16	3.000 X 0.083	2.500	5.938	2.844	5.125	N3-40-1101
1.375-16	3.000 X 0.083	2.250	6.438	2.844	5.625	N2-40-1521
1.375-16	3.000 X 0.083	6.781	6.641	2.844	7.828	N2-40-1871
1.500-16	3.000 X 0.083	2.500	7.250	2.844	6.438	N3-40-1611
1.375-16	3.000 X 0.083	2.250	7.625	2.844	6.812	N2-40-2231
1.500-16	3.000 X 0.083	6.531	8.766	2.844	7.766	N3-40-3008
1.375-16	3.500 X 0.065	2.250	6.562	3.375	5.562	N2-40-1231
1.500-16	3.500 X 0.083	3.000	6.562	3.344	5.625	N3-40-1531
1.375-16	3.500 X 0.083	2.250	6.625	3.344	5.625	N2-40-1531
1.563-16	3.500 X 0.083	3.000	6.750	3.344	5.812	N3-40-1571
1.500-16	3.500 X 0.083	2.500	7.344	3.344	6.406	N3-40-1561
1.500-16	3.500 X 0.083	3.000	7.531	3.344	6.594	N3-40-1491
1.563-16	3.500 X 0.083	4.500	8.750	3.344	7.812	N3-40-1391
1.500-16	3.500 X 0.083	6.531	8.766	3.344	7.766	N3-40-3508
1.375-16	3.500 X 0.083	6.969	8.969	3.344	7.969	N2-40-2091
1.500-16	3.500 X 0.095	3.000	***	3.312	6.594	N3-40-1492
1.750-16	3.500 X 0.095	3.000	6.781	3.312	5.812	N4-40-761
1.750-16	3.500 X 0.095	3.000	9.219	3.312	8.250	N4-40-721
2.000-16	3.500 X 0.095	3.500	9.562	3.312	8.656	N5-40-501
2.000-16	3.500 X 0.134	3.500	7.562	3.250	6.562	N5-40-1191
2.000-16	3.500 X 0.134	3.500	9.688	3.250	8.781	N5-40-1011
2.000-16	3.500 X 0.134	3.500	10.188	3.250	9.281	N5-40-1041

SLIP STUB SHAFT (Cont'd)



Spline/Number Teeth	Tubing Dia. And Wall	B Length Of Spline	C End Of Spline To Weld	E Butt Dia.	F End Of Spline To Radius	Part Number
2.500-16	3.500 X 0.156	4.000	9.250	3.188	8.375	N6-40-741
2.500-16	4.000 X 0.134	4.000	9.250	3.750	8.250	N6-40-541
2.000-16	4.000 X 0.134	3.500	9.844	3.750	8.780	N5-40-1051
2.500-16	4.000 X 0.134	4.000	10.562	3.750	9.562	N6-40-521
2.500-16	4.095 X 0.180	4.703	9.922	3.750	0.500	NPS40-16-61
3.000-16	4.500 X 0.134	4.500	9.469	4.234	8.406	N6.5-40-201
2.500-16	4.500 X 0.134	4.000	9.500	4.234	8.312	N6-40-631
2.500-16	4.500 X 0.134	4.000	10.656	4.234	9.469	N6-40-621
3.000-16	4.500 X 0.134	4.500	11.250	4.234	10.031	N6.5-40-191
3.000-16	4.500 X 0.259	4.500	11.531	4.000	10.250	N8-40-101
3.000-16	4.590 X 0.180	4.703	10.125	4.250	***	NPS48-16-38
N90/N100						
1.931-29/30	4.000 X 0.095	4.000	9.650	3.822	7.730	N100-40-41X
1.931-30	4.000 X 0.134	4.040	10.160	3.744	8.980	N90-40-11

PTO STUB SHAFT



Spline/Number Teeth	Tubing Dia. And Wall	A Length Of Spline	B End Of Spline To Weld	C Butt Dia.	D End Of Spline To Radius	Part Number
1.125-10	***	2.000	2.500	1.060	2.250	51-0175
1.250-6B	2.000 X 0.083	1.750	2.750	1.842	3.000	53-2047
1.125-10	2.000 X 0.083	2.000	4.625	1.844	4.062	11-1753
***	2.000 X 0.083	***	5.130	1.840	***	10-0699
1.375-6B	2.250 X 0.120	1.750	2.750	2.000	3.000	53-2247

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THE DRIVELINE EXPERTS

SECTION

8

Yoke Shaft

SUB SECTION

Outside Lock-Up

Bearing Plate Construction

PlateLock Construction

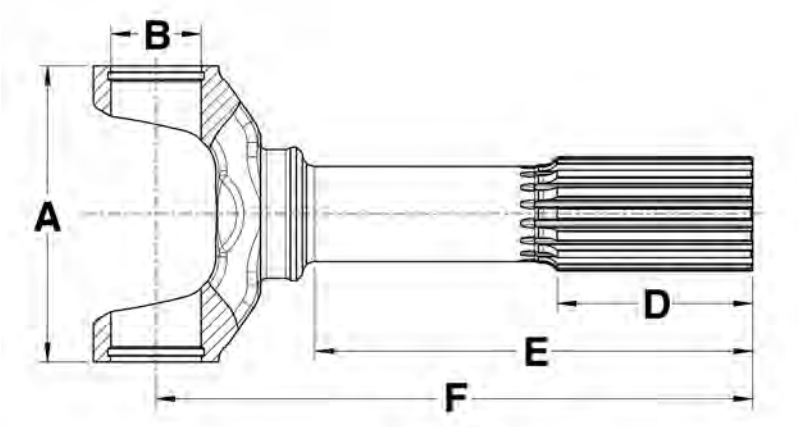


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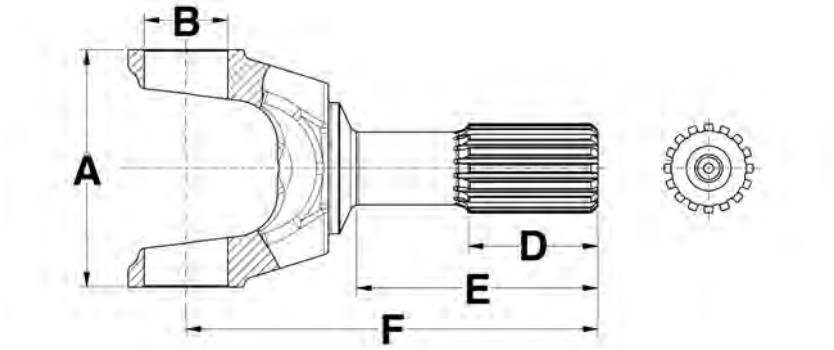
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OUTSIDE LOCK-UP



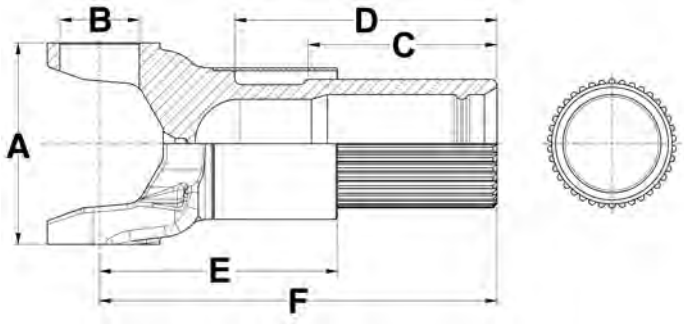
DL Series	Spline/Number Teeth	D Length Of Spline	E End Of Spline To Radius	F CL To End Of Spline	Joint Angle	Part Number
1310 Series A-3.469 B-1.063						
1310	1.375-16	2.250	3.562	5.312	16	N2-82-21
1350 Series A-3.875 B-1.188						
1350	1.500-16	2.000	3.016	5.188	20	N3-82-61
1350	1.500-16	2.50	4.688	6.812	20	N3-82-181
1410 Series A-4.438 B-1.188						
1410	1.500-16	2.000	3.250	4.969	16	N3-82-1191
1480 Series A-4.438 B-1.375						
1480	1.562-16	2.750	4.500	6.750	23	N3-82-1121
1550 Series A-5.250 B-1.375						
1550	1.750-16	1.438	2.500	4.750	8	N4-82-341

BEARING PLATE CONSTRUCTION



DL Series	Spline/Number Teeth	D Length Of Spline	E End Of Spline To Radius	F CL To End Of Spline	Joint Angle	Part Number
1610 Series A-5.321 B-1.875						
1610	2.000-16	2.875	5.406	9.219	30.000	N5-82-01
1710 Series A-6.094 B-1.938						
1710	2.500-16	3.500	8.016	12.094	45.000	N6-82-1281
1710	2.500-16	3.500	9.016	13.094	45.000	N6-82-1281-1
1710	2.500-16	4.000	9.922	14.000	45.000	N6-82-1341-4
1710	2.500-16	4.000	10.953	15.031	45.000	N6-82-1341-7
20R Series A-7.250 B-2.060						
20R	2.500-16	3.453	9.422	13.453	42.000	N20RYSM40-47
20R	2.500-16	3.453	10.734	15.203	42.000	N20RYSM40-51
20R	2.500-16	3.453	10.734	15.203	42.000	N20RYSM40-56

PLATELOCK CONSTRUCTION



DL Series	Spline/Number Teeth	C Length Of Spline	D End Of Spline To Radius	E CL To End Of Tube	F CL To End Of Spline	Joint Angle	Part Number
NPL170/SPL170 Series A-6.028 B-2.165							
NPL170/SPL170*	3.465-34	6.984	9.125	7.828	13.828	45.000	N170-82-71X
NPL170/SPL170*	3.858-38	5.688	7.812	7.125	11.812	25.000	N170-82-21X
NPL250/SPL250 Series A-5.985 B-2.362							
NPL250/SPL250*	3.858-38	5.688	7.812	7.125	11.812	25.000	N250-82-21X

*** SPL - Spicer ® Life Series driveshafts is a registered trademark of Dana Limited**

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THE DRIVELINE EXPERTS

SECTION

9

Driveshaft & Double Cardan C.V.

SUB SECTION

Double Cardan C.V. Ball Seat Repair Kit

Double Cardan C.V. Head Assembly

PTO / AUX Shaft

Drive Shaft-Steel

UTV Drive Shafts

CV Axle Assembly

Drive Shaft Repair Kit

Driveshaft Kit

AND MUCH MORE!

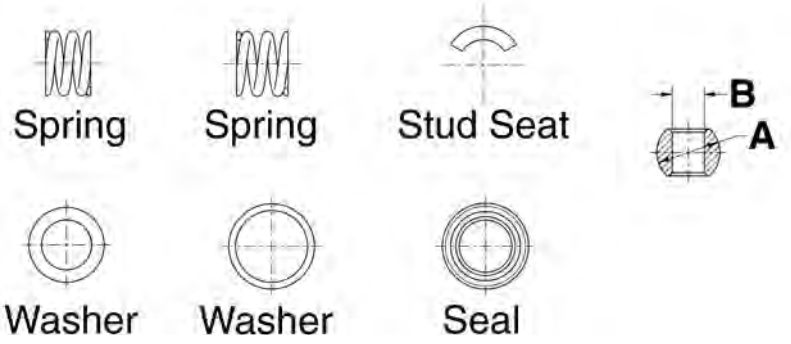


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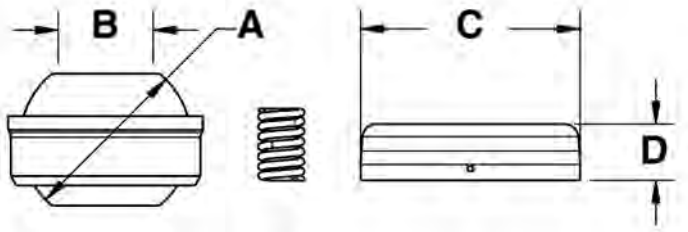
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DOUBLE CARDAN C.V. BALL SEAT REPAIR KIT



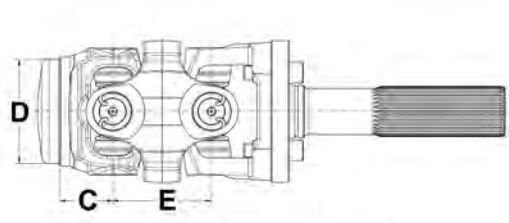
Manufacturer	A Ball Dia.	B Stud Bore Dia.	C Seal Outside Dia.	D Seal Height	Part Number
Saginaw	0.906	0.625	***	***	2-9301
Saginaw	0.906	0.453	1.250	0.172	2-9302

DOUBLE CARDAN C.V. BALL SEAT REPAIR KIT

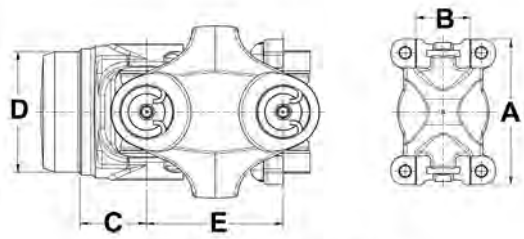


Manufacturer	A Ball Dia.	B Stud Bore Dia.	C Seal Outside Dia.	D Seal Height	Part Number
Spicer	1.125	0.500	1.453	0.375	7-0081
Spicer	1.125	0.500	1.344	0.156	7-0081NG
Toyota	1.344	0.469	1.422	***	7-0407
Toyota	1.453	0.516	1.516	***	7-0409

DOUBLE CARDAN C.V. HEAD ASSEMBLY



Flange Stub

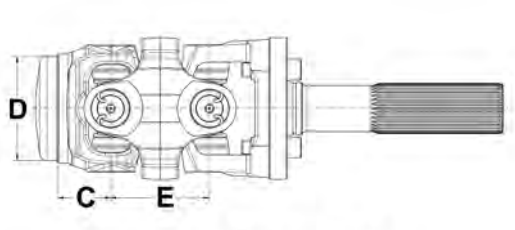


Half Round

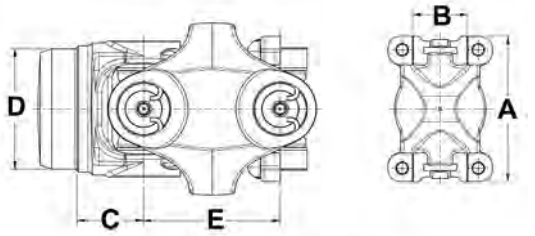
DC Head Style	Tubing Dia. And Wall	Overall Length	C CL To Point Of Weld	D Butt Dia.	E CL To CL Of Center Yoke	E CL To CL Of H Yoke	E CL UJ To CL UJ	Pilot Dia.	Bolt Circle	Bolt Hole Spacing Height	Bolt Hole Spacing Width	Hole/ Thread Size	Joint Angle	Part Number
					1310 Series			A-3.469	B-1.063					
Flange	2.000 x 0.120	5.750	1.438	1.770	***	2.688	***	2.000	3.500	***	***	0.488	26.000	N913877G*
Flange Stub	2.000 x 0.120	12.120	1.438	1.770	***	2.688	***	2.000	3.000	***	***	3/8-24 UNF	26.000	N913601
Flange Stub	2.000 x 0.120	12.120	1.438	1.770	***	2.688	***	2.000	3.000	***	***	3/8-24 UNF	26.000	N913601G*
Half Round	2.000 x 0.120	4.120	1.438	1.768	***	2.688	***	***	***	2.340	1.500	5/16-24 UNF	26.000	N912777
Half Round	2.000 x 0.120	4.120	1.438	1.768	***	2.688	***	***	***	2.340	1.500	5/16-24 UNF	26.000	N912777G*
Half Round	2.500 x 0.083	4.120	1.438	2.342	***	2.688	***	***	***	2.340	1.500	5/16-24 UNF	26.000	N912747
Half Round	2.500 x 0.083	4.120	1.438	2.342	***	2.688	***	***	***	2.340	1.500	5/16-24 UNF	26.000	N912747G*
Half Round	3.000 x 0.083	4.120	1.438	2.842	***	2.688	***	***	***	2.340	1.500	5/16-24 UNF	26.000	N912937
					1330 Series			A-3.875	B-1.063					
Half Round	2.000 x 0.120	4.120	1.375	1.772	***	2.750	***	***	***	2.880	1.500	5/16-24 UNF	18.000	N910810
Half Round	2.500 x 0.083	4.120	1.375	2.342	***	2.750	***	***	***	2.880	1.500	5/16-24 UNF	18.000	N910811
Half Round	2.500 x 0.083	4.120	1.375	2.342	***	2.750	***	***	***	2.880	1.500	5/16-24 UNF	18.000	N910811G*
Half Round	3.000 x 0.065	4.190	1.438	2.878	***	2.750	***	***	***	2.880	1.500	5/16-24 UNF	18.000	N910812
					1350 Series			A-3.875	B-1.188					
Flange	2.000 x 0.120	5.940	1.438	1.767	***	2.875	***	3.125	4.250	***	***	0.469	32.000	N921049
Flange	2.000 x 0.120	5.940	1.438	1.767	***	2.875	***	3.125	4.250	***	***	0.469	32.000	N921049G*
Flange	2.000 x 0.120	5.940	1.440	1.770	2.880	***	2.875	2.000	4.250	***	***	M12X1.75	32.000	N921048G*

* Neapco OE Series Non-Greaseable Universal Joint

DOUBLE CARDAN C.V. HEAD ASSEMBLY (Cont'd)



Flange Stub



Half Round

DC Head Style	Tubing Dia. And Wall	Overall Length	C CL To Point Of Weld	D Butt Dia.	E CL To CL Of Center Yoke	E CL To CL Of H Yoke	E CL UJ To CL UJ	Pilot Dia.	Bolt Circle	Bolt Hole Spacing Height	Bolt Hole Spacing Width	Hole/ Thread Size	Joint Angle	Part Number
1350 Series A-3.875 B-1.188														
Flange	2.000 x 0.120	***	1.440	1.770	***	1.44	***	2.000	4.250	***	***	0.488	***	N921047G*
Flange	2.500 x 0.095	5.940	1.438	2.318	***	2.875	***	3.125	4.250	***	***	0.469	32.000	N921050
Flange	2.500 x 0.095	5.940	1.438	2.318	***	2.875	***	3.125	4.250	***	***	0.469	32.000	N921050G*
Flange	2.500 x 0.095	***	1.440	2.321	***	1.440	***	2.000	4.250	***	***	0.488	***	N921055G*
Flange	2.750 x 0.083	5.970	1.469	2.592	***	2.875	***	2.000	4.250	***	***	M12X1.75	32.000	N921052
Flange	2.750 x 0.083	5.970	1.469	2.592	***	2.875	***	2.000	4.250	***	***	M12X1.75	32.000	N921052G*
Flange	3.000 x 0.083	5.970	1.469	2.844	***	2.875	***	2.000	4.250	***	***	M12X1.75	32.000	N921053
Flange	3.000 x 0.083	5.970	1.469	2.844	***	2.875	***	2.000	4.250	***	***	M12X1.75	32.000	N921053G*
Flange	3.500 x 0.083	6.000	1.500	3.342	***	2.875	***	2.688	4.250	***	***	M12X1.75	32.000	N921054
Flange	3.500 x 0.083	6.000	1.500	3.342	***	2.875	***	2.688	4.250	***	***	M12X1.75	32.000	N921054G*
Half Round	2.000 x 0.120	***	4.310	1.767	***	2.875	***	***	***	2.750	1.630	5/16 - 24 UNF 2B	***	N921019G*
Half Round	2.500 x 0.095	***	4.310	2.318	***	2.875	***	***	***	2.750	1.630	5/16 - 24 UNF 2B	***	N921020G*
***	3.000 x 0.083	5.970	4.350	2.840	***	2.880	2.880	3.127	4.250	3.005	3.005	***	***	N921058G*
***	3.000 x 0.083	***	4.320	2.840	2.750	2.880	2.880	***	***	3.005	3.005	***	***	N921059G*
1410 Series A-4.438 B-1.188														
Flange	2.500 x 0.120	7.320	2.094	2.258	***	3.484	***	3.125	4.250	***	***	0.469	22.000	N924141G*
Flange	2.500 x 0.120	7.320	2.094	2.258	***	3.484	***	3.125	4.250	***	***	0.469	30.000	N924141HAG*
Flange	2.500 x 0.120	7.320	2.094	2.258	***	3.484	***	2.688	4.250	***	***	0.500	30.000	N924143HAG*
Flange	2.750 x 0.083	7.720	2.484	2.591	***	3.484	***	2.688	4.250	***	***	0.500	30.000	N924142HAG*

* Neapco OE Series Non-Greaseable Universal Joint

PTO / AUX SHAFT

DL Series	Driveshaft Style	Tubing Dia. And Wall	CL To CL Max. Extended Length	CL To CL Collapsed Length	Yoke/cv And Tube Length	Yoke Bore 1	Yoke Bore 2
1000 Series A-2.312 B-0.938 C-1.500							
1000	Unwelded-Type 1	2.000 X 0.083	65.125	63.125	56.906	***	***
1000	Unwelded-Type 1	2.000 X 0.083	65.125	63.125	56.906	***	***
1000	Unwelded-Type 2	2.000 X 0.083	65.031	65.031	60.250	***	***
1000	Welded-Type 15	2.000 X 0.083	36.750	23.250	***	1.250	1.125
1000	Welded-Type 15	2.000 X 0.083	54.000	34.000	***	1.250	1.125
1000	Welded-Type 15	2.000 X 0.083	54.000	34.000	***	1.250	1.250
1000	Welded-Type 15	2.000 X 0.083	67.000	47.000	***	1.250	1.125
1000	Welded-Type 16	2.000 X 0.083	54.000	34.000	***	1.125	***
1310 Series A-3.469 B-1.063							
1310	Unwelded-Type 3	1.250	28.438	26.125	25.062	***	***
1310	Unwelded-Type 1	2.000 X 0.083	57.640	55.640	49.390	3.219	3.219
1310	Unwelded-Type 1	2.000 X 0.083	57.969	55.688	49.438	***	***
1310	Unwelded-Type 1	2.000 X 0.084	60.640	58.390	49.390	3.219	3.219
1350 Series A-3.875 B-1.188							
1350	Unwelded-Type 1	2.500 X 0.083	63.080	61.080	55.75	***	***
1350	Unwelded-Type 1	2.500 X 0.083	63.078	61.078	54.188	***	***
1350	Unwelded-Type 1	2.500 X 0.083	63.078	61.078	54.188	***	***
1350	Welded-Type 13	3.000 X 0.083	37.812	35.812	***	***	***
1410 Series A-4.438 B-1.188							
1410	Welded-Type 13	3.500 X 0.083	49.750	46.250	***	***	***
1410	Welded-Type 13	3.500 X 0.083	25.750	22.250	***	***	***
1410	Welded-Type 13	3.500 X 0.098	37.719	34.281	***	***	***
1480 Series A-4.438 B-1.375							
1480*	Welded-Type 13	3.500 X 0.083	25.250	22.750	***	***	***
1480*	Welded-Type 13	3.500 X 0.098	36.875	35.250	***	***	***
1550 Series A-5.250 B-1.375							
1550*	Welded-Type 13	3.500 X 0.095	25.250	22.750	***	***	***
1550*	Welded-Type 13	3.500 X 0.095	37.250	34.750	***	***	***
1550*	Welded-Type 13	3.500 X 0.095	49.250	46.750	***	***	***
1610 Series A-5.321 B-1.875							
1610*	Welded-Type 13	3.500 X 0.134	50.000	46.000	***	***	***
1710 Series A-6.094 B-1.938							
1710*	Welded-Type 13	4.000 X 0.134	38.620	33.375	***	***	***
1710*	Welded-Type 13	4.000 X 0.134	50.620	45.375	***	***	***
1810 Series A-7.547 B-1.938							
1810*	Welded-Type 13	4.500 X 0.134	37.688	34.312	***	***	***
1810*	Welded-Type 13	4.500 X 0.134	49.969	39.562	***	***	***

*** SPL - Spicer ® Life Series driveshafts is a registered trademark of Dana Limited**

*** Dimensional Reference page 9-17 for Driveshaft Style Type.**

PTO / AUX SHAFT

Lubrication Type	Bolt Circle	Bolt Hole Pattern	C Length Between Holes	D Length Between Holes	Material	Part Numbers
1000 Series A-2.312 B-0.938 C-1.500						
***	***	***	***	***	Steel	N10270-SF
***	***	***	***	***	Steel	N10270-SFG
***	***	***	***	***	Steel	N10271-SF
***	***	***	***	***	Steel	UTS10-232398
***	***	***	***	***	Steel	UTS10-233498
***	***	***	***	***	Steel	UTS10-2334EH
***	***	***	***	***	Steel	UTS10-235298
***	***	***	***	***	Steel	UTS10-984099
1310 Series A-3.469 B-1.063						
CROSS	***	***	***	***	Steel	N91382-SF
***	***	***	***	***	Steel	N9553-SFG
CROSS	***	***	***	***	Steel	N9553-SF
***	***	***	***	***	Steel	N9553-SF-LS
1350 Series A-3.875 B-1.188						
***	***	***	***	***	Steel	N7723-SFG
CROSS	***	***	***	***	Steel	N7703-SF
END	***	***	***	***	Steel	N7713-SF
***	3.750	Rectangle	2.41	2.873	Steel	N135-36-SLBP
1410 Series A-4.438 B-1.188						
***	3.750	Rectangle	2.41	2.873	Steel	N141-48-SLBP
***	3.750	Rectangle	2.41	2.873	Steel	N141-24-SLBP
***	3.750	Rectangle	2.41	2.873	Steel	N141-36-SLBP
1480 Series A-4.438 B-1.375						
***	4.750	Rectangle	3.053	3.639	Steel	N148-24-SLBP
***	4.750	Rectangle	3.053	3.639	Steel	N148-36-SLBP
1550 Series A-5.250 B-1.375						
***	4.750	Rectangle	3.053	3.639	Steel	N155-24-SLBP
***	4.750	Rectangle	3.053	3.639	Steel	N155-36-SLBP
***	4.750	Rectangle	3.053	3.639	Steel	N155-48-SLBP
1610 Series A-5.321 B-1.875						
***	6.125	Round	***	***	Steel	N161-48-SLBP
1710 Series A-6.094 B-1.938						
***	7.250	Round	***	***	Steel	N171-36-SLBP
***	7.250	Round	***	***	Steel	N171-48-SLBP
1810 Series A-7.547 B-1.938						
***	7.250	Round	***	***	Steel	N181-36-SLBP
***	7.250	Round	***	***	Steel	N181-48-SLBP

*** SPL - Spicer ® Life Series driveshafts is a registered trademark of Dana Limited**

Dimensional Reference page 9-17 for Driveshaft Style Type

PTO / AUX SHAFT (Cont'd)

DL Series	Driveshaft Style	Tubing Dia. And Wall	CL To CL Max. Extended Length	CL To CL Collapsed Length	Yoke/cv And Tube Length	Yoke Bore 1	Yoke Bore 2
B&P2 Series A-2.413 B-0.937							
B&P2*	Welded-Type 17	***	***	43.578	***	1.375" X 6 Spline	***
B&P2*	Welded-Type 17	***	***	55.391	***	1.375" X 6 Spline	***
B&P2*	Welded-Type 17	***	***	45.750	***	1.375" X 6 Spline	***
B&P3 Series A-2.756 B-1.063							
B&P3*	Welded-Type 17	***	***	57.562	***	1.375" X 6 Spline	***
B&P4 Series A-2.937 B-1.063							
B&P4*	Welded-Type 17	***	***	46.016	***	1.375" X 6 Spline	***
B&P4*	Welded-Type 17	***	***	57.828	***	1.375" X 6 Spline	***
B&P5 Series A-3.15 B-1.189							
B&P5*	Welded-Type 17	***	***	44.172	***	1.375" X 6 Spline	***
B&P5*	Welded-Type 17	***	***	55.984	***	1.375" X 6 Spline	***
B&P6 Series A-3.622 B-1.189							
B&P6*	Welded-Type 17	***	***	44.562	***	1.375" X 6 Spline	***
B&P6*	Welded-Type 17	***	***	56.375	***	1.375" X 6 Spline	***
B&P7 Series A-3.701 B-1.378							
B&P7*	Welded-Type 17	***	***	44.562	***	1.375" X 6 Spline	***
B&P7*	Welded-Type 17	***	***	56.375	***	1.375" X 6 Spline	***
B&P8 Series A-4.193 B-1.378							
B&P8*	Welded-Type 17	***	***	42.719	***	1.375" X 6 Spline	***
B&P8*	Welded-Type 17	***	***	54.531	***	1.375" X 6 Spline	***
W2480							
W2480*	Welded-Type 18	***	***	60.594	***	1.375" X 6 Spline	1.375" X 6 Spline
W2480*	Welded-Type 18	***	***	60.594	***	1.375" X 21 Spline	1.375" X 6 Spline
W2480*	Welded-Type 18	***	***	60.594	***	1.375" X 20 Spline	1.375" X 20 Spline
W2580							
W2580*	Welded-Type 19	***	***	61.266	***	1.375" X 6 Spline	1.375" X 6 Spline
W2580*	Welded-Type 19	***	***	61.266	***	1.375" X 21 Spline	1.375" X 6 Spline
W2580*	Welded-Type 19	***	***	61.266	***	1.375" X 20 Spline	1.375" X 20 Spline

* SPL - Spicer ® Life Series driveshafts is a registered trademark of Dana Limited
* Dimensional Reference page 9-17 for Driveshaft Style Type.

PTO / AUX SHAFT (Cont'd)

Lubrication Type	Bolt Circle	Bolt Hole Pattern	C Length Between Holes	D Length Between Holes	Material	Part Numbers
B&P2 Series A-2.413 B-0.937						
***	***	***	***	***	Steel	8-0100
***	***	***	***	***	Steel	8-0101
***	***	***	***	***	Steel	8-0102
B&P3 Series A-2.756 B-1.063						
***	***	***	***	***	Steel	8-0103
B&P4 Series A-2.937 B-1.063						
***	***	***	***	***	Steel	8-0104
***	***	***	***	***	Steel	8-0105
B&P5 Series A-3.15 B-1.189						
***	***	***	***	***	Steel	8-0106
***	***	***	***	***	Steel	8-0107
B&P6 Series A-3.622 B-1.189						
***	***	***	***	***	Steel	8-0108
***	***	***	***	***	Steel	8-0109
B&P7 Series A-3.701 B-1.378						
***	***	***	***	***	Steel	8-0110
***	***	***	***	***	Steel	8-0111
B&P8 Series A-4.193 B-1.378						
***	***	***	***	***	Steel	8-0112
***	***	***	***	***	Steel	8-0113
W2480						
***	***	***	***	***	Steel	8-0200
***	***	***	***	***	Steel	8-0201
***	***	***	***	***	Steel	8-0202
W2580						
***	***	***	***	***	Steel	8-0203
***	***	***	***	***	Steel	8-0204
***	***	***	***	***	Steel	8-0205

*** SPL - Spicer ® Life Series driveshafts is a registered trademark of Dana Limited**

Dimensional Reference page 9-17 for Driveshaft Style Type

DRIVESHAFT - STEEL

DL Series	Driveshaft Style	Tubing Dia. And Wall	CL To CL Max. Extended Length	CL To CL Collapsed Length	Center Line Uj To Flange Face	Yoke/cv And Tube Length	CL To Point Of Weld	Joint Angle
1000 Series A-2.312 B-0.938 C-1.500								
1000	Unwelded-Type 1	1.250 x 0.095	43.840	42.090	***	36.00	***	***
1200 Series A-2.562 B-1.063 C-1.812								
1200	Welded-Type 1	2.250	25.630	11.380	***	***	1.920	***
1210 Series A-2.562 B-1.063 C-1.812								
1210	Welded-Type 10	2.500 X 0.065	34.000 IN	30.000 IN	***	***	***	***
1310 Series A-3.469 B-1.063								
1310	Unwelded-Type 7	2.000 X 0.120	50.880	49.790	***	40.070	***	***
1310	Unwelded-Type 7	2.000 X 0.120	50.880	49.790	***	40.070	***	***
1310	Unwelded-Type 7	2.500 X 0.083	53.070	49.240	***	40.180	***	***
1310	Unwelded-Type 7	2.500 X 0.083	53.070	49.240	***	40.180	***	***
1310 / 1350 Series								
1310 / 1350	Welded-Type 13	2.000 X 0.120	23.888	21.448	2.196	***	***	***
1310 / 1350	Unwelded-Type 8	2.000 X 0.120	52.700	49.610	***	41.890	1.390	***
1330 Series A-3.875 B-1.063								
1330	Unwelded-Type 7	2.500 X 0.083	52.910	48.720	***	40.130	***	***
1330/1350 Series								
1330/1350	Unwelded-Type 8	2.500 X 0.095	52.020	49.350	***	41.940	***	***
1330/1350	Unwelded-Type 8	2.500 X 0.095	54.060	51.180	***	41.940	***	***
1330/1350	Unwelded-Type 8	2.500 X 0.095	54.060	51.180	***	41.940	5.940	***
1350 Series A-3.875 B-1.188								
1350	Unwelded-Type 8	2.000 X 0.120	53.500	50.220	***	41.940	1.440	***
1350	Unwelded-Type 8	2.500 X 0.095	53.050	51.550	***	42.040	5.940	32.0
1350	Unwelded-Type 8	2.500 X 0.095	53.950	51.330	***	41.940	5.940	***
1350	Unwelded-Type 8	2.500 X 0.095	53.950	51.330	***	41.940	***	***
1350	Unwelded-Type 8	2.750 X 0.083	53.930	50.490	***	41.970	***	***
1350	Unwelded-Type 8	2.750 X 0.083	53.930	50.490	***	41.970	***	***
1350	Unwelded-Type 8	3.500 X 0.083	71.850	68.600	***	60.000	***	***
1410 Series A-4.438 B-1.188								
1410	Unwelded-Type 8	2.500 X 0.120	53.770	52.270	***	43.320	***	22.0
1410/1350 Series								
1410/1350	Unwelded-Type 8	3.500 X 0.083	72.390	68.950	***	60.000	***	***
3R Series A-3.563 B-1.125 C-2.563								
3R	Welded-Type 9	2.000 X 0.120	49.830	***	***	n/a	***	***
3R	Unwelded-Type 8	2.750 X 0.065	53.060	49.940	***	37.750	1.750	***

* Dimensional Reference page 9-17 for Driveshaft Style Type.

DRIVESHAFT - STEEL (Cont'd)

Yoke Bore 1	Yoke Bore 2	Bolt Circle	Bolt Hole Pattern	Number Of Bolt Holes	C Length Between Holes	D Length Between Holes	Part Number
1000 Series A-2.312 B-0.938 C-1.500							
1.250	1.060	***	***	***	***	***	63-0642
1200 Series A-2.562 B-1.063 C-1.812							
***	***	***	***	***	***	***	12-3356
1210 Series A-2.562 B-1.063 C-1.812							
***	***	***	***	***	***	***	N914156-1324W
1310 Series A-3.469 B-1.063							
3.469	3.469	***	***	***	***	***	N909365-3600
3.469	3.469	***	***	***	***	***	N909365G-3600
3.469	3.469	***	***	***	***	***	N909363-3600
3.469	3.469	***	***	***	***	***	N909363G-3600
1310 / 1350 Series							
***	***	3.886	***	6	***	***	N131-27-FBPA
3.875	3.000	4.250	Square	***	3.005	3.005	S91397-3600
1330 Series A-3.875 B-1.063							
3.875	3.875	***	***	***	***	***	N911818-3600
1330/1350 Series							
3.875	3.875	3.938	Square	***	2.785	2.785	N921056X-3600
3.875	3.875	4.250	Square	***	3.005	3.005	N921050-3600
3.875	3.875	4.250	Square	***	3.005	3.005	N921050G-3600
1350 Series A-3.875 B-1.188							
3.875	3.875	4.250	Square	***	3.005	3.005	N921048G-3600
3.875	3.875	4.250	Square	***	3.005	3.005	N921050G-3610
3.875	3.875	4.250	Square	***	3.005	3.005	N921050G-3607
3.875	3.875	4.250	Square	***	3.005	3.005	N921050-3607
3.875	3.875	4.250	Square	***	3.005	3.005	N921052-3600
3.875	3.875	4.250	Square	***	3.005	3.005	N921052G-3600
3.875	3.875	4.250	Square	***	3.005	3.005	N921054-5400
1410 Series A-4.438 B-1.188							
4.438	4.438	4.250	Square	***	3.005	3.005	N924141G-3613
1410/1350 Series							
4.438	4.438	4.250	Square	***	3.005	3.005	N921054-5401
3R Series A-3.563 B-1.125 C-2.563							
3.563	3.563	***	***	***	***	***	N131138-3600
3.563	3.563	***	***	***	***	***	S91397-3603

Dimensional Reference page 9-17 for Driveshaft Style Type

DRIVESHAFT - STEEL (Cont'd)

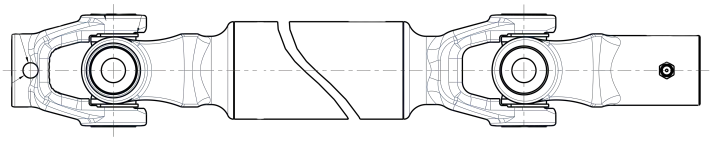
DL Series	Driveshaft Style	Tubing Dia. And Wall	CL To CL Max. Extended Length	CL To CL Collapsed Length	Center Line Uj To Flange Face	Yoke/cv And Tube Length	CL To Point Of Weld	Joint Angle
3R/1350 Series								
3R/1350	Unwelded-Type 8	2.500 X 0.095	53.940	51.440	***	41.940	***	***
3R/1350	Unwelded-Type 8	2.500 X 0.095	53.940	51.440	***	41.940	5.940	***
7260 / 1350 Series								
7260 / 1350	Unwelded-Type 8	2.500 X 0.120	52.700	49.610	***	41.890	1.390	***
7290 / 1350 Series								
7290 / 1350	Unwelded-Type 8	2.000 X 0.120	52.390	49.450	***	41.890	1.390	***
L600 Series A-1.45 B-0.97								
L600	Welded-Type 1	1.500	6.880	6.880	***	***	2.000	***

* Dimensional Reference page 9-17 for Driveshaft Style Type.

DRIVESHAFT - STEEL (Cont'd)

Yoke Bore 1	Yoke Bore 2	Bolt Circle	Bolt Hole Pattern	Number Of Bolt Holes	C Length Between Holes	D Length Between Holes	Part Number
3R/1350 Series							
3.563	3.563	4.250	Square	***	3.005	3.005	N921050-3603
3.563	3.563	4.250	Square	***	3.005	3.005	N921050G-3603
7260 / 1350 Series							
3.875	3.000	4.250	Square	***	3.005	3.005	S91397-3601
7290 / 1350 Series							
3.875	3.563	4.250	Square	***	3.005	3.005	S91397-3602
L600 Series A-1.45 B-0.97							
***	***	***	***	***	***	***	16-8687

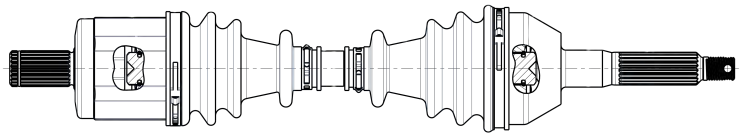
UTV DRIVESHAFTS



Material	Tube Size	Overall Length	Spline Tooth Count A	Spline Tooth Count B	Part Number
Steel	32.000	627.000	22	21/22	NOE-10-2993-A
Steel	32.000	1016.000	22	21/22	NOE-10-2996-A
Steel	32.000	1093.000	22	22	NOE-10-2994-A
Steel	32.000	1361.000	22	22	NOE-10-2997-A
Steel	41.000	762.000	22	22	NOE-10-3445-A
Steel	41.000	1460.000	22	22	NOE-10-3447-A
Steel	51.000	1628.000	22	22	NOE-10-2951-A

Dimensional Reference page 9-17 for Driveshaft Style Type

CV AXLE ASSEMBLY

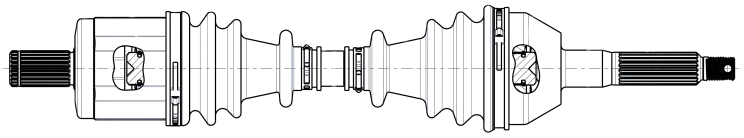


Compressed Length	Extended Length	Inboard Boot Number	Inboard Clamp 1 Number	Inboard Clamp 2 Number	Inboard Spline Length	Inboard Spline Tooth Count	Outboard Boot Number	Outboard Clamp 1 Number	Outboard Clamp 2 Number	Outboard Hub Dia.	Outboard Hub Length	Outboard Spline To Full Thread Length	Outboard Spline Tooth Count	Pin Dia.	Wheel Stud Length	Wheel Stud Thread	Part Number
306.800	347.400	9312	93-7478	93-5100	43.400	22 / 24-28	9300	93-5100	93-5000	25.000	117.600	57.200	20	0.080	19.800	5/8-18	NOE-89-7902-A
309.600	340.100	9312	93-7478	93-5100	43.400	22 / 24-28	9300	93-5100	93-5000	25.000	117.600	57.200	20	0.080	19.800	5/8-18	NOE-89-1474-A
368.700	409.000	***	***	***	***	22	***	***	***	***	***	***	20	***	***	***	NOE-89-7901-A
378.600	419.200	9312	93-7478	93-5100	43.400	22 / 24-28	9300	93-5100	93-5000	25.000	117.600	57.200	20	0.080	19.800	5/8-18	NOE-89-7903-A
379.500	410.000	9312	93-7478	93-5100	43.400	22 / 24-28	9300	93-5100	93-5000	25.000	117.600	57.200	20	0.080	19.800	5/8-18	NOE-89-2473-A
465.100	495.600	9312	93-7478	93-5100	43.400	22 / 24-28	9300	93-5100	93-5000	25.000	117.600	57.200	20	0.080	19.800	5/8-18	NOE-89-2936-A
554.000	594.000	***	***	***	***	36	***	***	***	***	***	***	26	***	***	***	NOE-89-2935-A
555.000	596.000	***	***	***	***	28	***	***	***	***	***	***	26	***	***	***	NOE-89-3275-A
557.000	597.000	***	***	***	***	36	***	***	***	***	***	***	26	***	***	***	NOE-89-2938-A
562.000	603.000	***	***	***	***	22	***	***	***	***	***	***	26	***	***	***	NOE-89-2873-A
572.000	613.000	***	***	***	***	27	***	***	***	***	***	***	26	***	***	***	NOE-89-2884-A
620.000	661.000	***	***	***	***	26	***	***	***	***	***	***	26	***	***	***	NOE-89-2952-A
652.000	692.000	***	***	***	***	27	***	***	***	***	***	***	26	***	***	***	NOE-89-2895-A

For specific application information please visit Neapcoparts.com

* Dimensional Reference page 9-17 for Driveshaft Style Type.

CV AXLE ASSEMBLY (Cont'd)



Compressed Length	Extended Length	Inboard Boot Number	Inboard Clamp 1 Number	Inboard Clamp 2 Number	Inboard Spline Length	Inboard Spline Tooth Count	Outboard Boot Number	Outboard Clamp 1 Number	Outboard Clamp 2 Number	Outboard Hub Dia.	Outboard Hub Length	Outboard Spline To Full Thread Length	Outboard Spline Tooth Count	Pin Dia.	Wheel Stud Length	Wheel Stud Thread	Part Number
678.000	718.000	***	***	***	***	28	***	***	***	***	***	***	26	***	***	***	NOE-89-3233-A
688.000	728.000	***	***	***	***	28	***	***	***	***	***	***	26	***	***	***	NOE-89-2947-A
692.000	733.000	***	***	***	***	27	***	***	***	***	***	***	26	***	***	***	NOE-89-2883-A
722.000	763.000	***	***	***	***	29/27	***	***	***	***	***	***	26	***	***	***	NOE-89-2894-A
743.000	783.000	***	***	***	***	22	***	***	***	***	***	***	26	***	***	***	NOE-89-2825-A

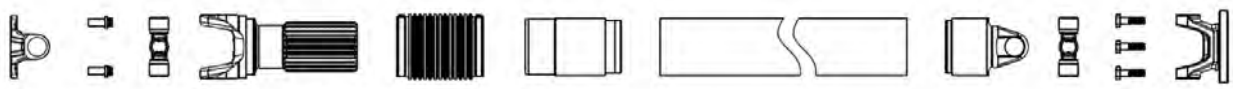
DRIVESHAFT REPAIR KIT

Repair Kit Type	Material	Tubing Dia. And Wall	Part Number
FIXED CENTER SECTION	Steel	3.000 X 0.083	N135-254
SLIP CENTER SECTION	Steel	3.000 X 0.083	N135-254-1
1350 Series			
Fixed End	Steel	3.000 X 0.083	N135-254FP
Slip End	Steel	3.000 X 0.083	N135-254-1FP

For specific application information please visit Neapcoparts.com

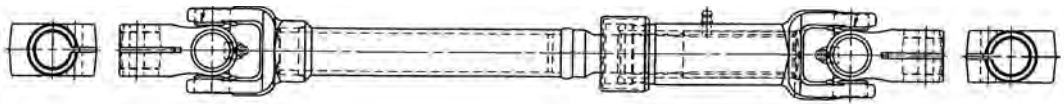
Dimensional Reference page 9-17 for Driveshaft Style Type

DRIVESHAFT KIT



DL Series	Material	Driveshaft Style	Center Line To Center Line Max. Extended Length (in)	Center Line To Point Of Weld (in)	Tubing Diameter And Wall (in)	Maximum Length Center Line To Center Line (in)	Part Number
1350	Aluminum	Unwelded -Type 13	***	***	***	***	PK-0510GT-AL
1350	Aluminum	Unwelded -Type 13	***	***	***	***	PK-1114GT-AL
1350	Aluminum	Unwelded -Type 13	***	***	***	***	PK-1517GTM-AL
1350	Aluminum	Unwelded -Type 13	***	***	***	***	PK-1520GT350-AL
1350	Aluminum	Unwelded -Type 13	***	***	***	***	PK-1522GTA-AL
1350	Aluminum	Unwelded -Type 13	***	***	***	***	PK-1822GTM-AL
1350	Aluminum	Unwelded-CV	***	***	***	***	PK-0510GT-HSCV-AL
1350	Aluminum	Unwelded-CV	***	***	***	***	PK-1114GT-HSCV-AL
1350	Aluminum	Unwelded-CV	***	***	***	***	PK-1517GTM-HSCV-AL
1350	Aluminum	Unwelded-CV	***	***	***	***	PK-1520GT350-HSCV-AL
1350	Aluminum	Unwelded-CV	***	***	***	***	PK-1522GTA-HSCV-AL
1350	Aluminum	Unwelded-CV	***	***	***	***	PK-1822GTM-HSCV-AL
1350	Aluminum	Unwelded-Type 1	70.000	3.906	3.500 X 0.114	70.000	A135-6200-3.5
1410	Aluminum	Unwelded-Type 1	79.804	3.902	4.000 x 0.087	79.804	A141-7200-4

STEERING SHAFT ASSEMBLY

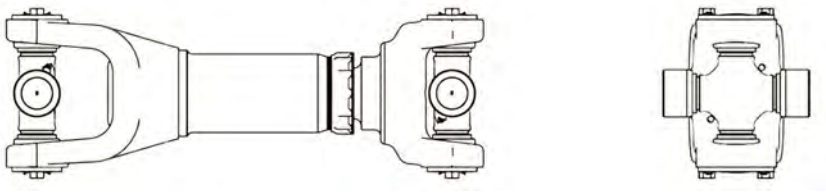


DL Series	Material	Driveshaft Style	Tubing Dia. And Wall	CL To CL Max. Extended Length	CL To CL Collapsed Length	Part Number
1000 Series A-2.312 B-0.938 C-1.500						
1000	Steel	Welded	1.250 X 0.120	63.940	62.190	N100-170

For specific application information please visit Neapcoparts.com
* Dimensional Reference page 9-17 for Driveshaft Style Type.

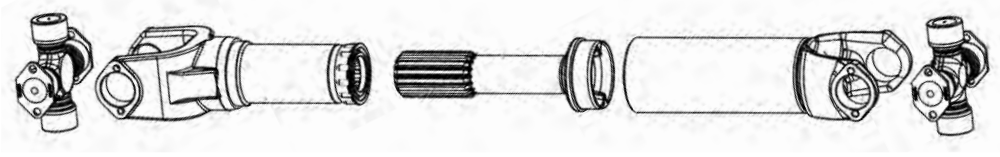
DRIVESHAFT & DOUBLE CARDAN C.V.

INTERAXLE DRIVESHAFT



DL Series	Material	Driveshaft Style	Bearing Strap Kit	CL To CL Collapsed Length	CL To CL Max. Extended Length	Part Number
1710	Steel	Welded-Type 1	1-0046	17.220	22.720	N1710IA-1722HR
1710	Steel	Welded-Type 1	1-0046	18.250	23.750	N1710IA-1825HR
1710	Steel	Welded-Type 1	1-0046	20.280	25.280	N1710IA-2028HR
1710	Steel	Welded-Type 1	1-0046	22.000	27.000	N1710IA-2200HR
1710	Steel	Welded-Type 1	1-0046	24.000	29.000	N1710IA-2400HR

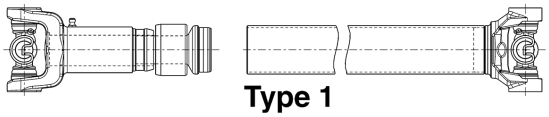
INTERAXLE DRIVESHAFT KIT



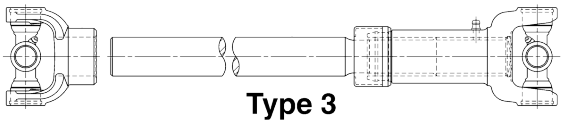
DL Series	Material	Driveshaft Style	CL To CL Collapsed Length	CL To CL Max. Extended Length	Center Line To End Of Tube	Tubing Diameter And Wall	Part Number
1710	Steel	Semi Welded Type 1	20.250	32.750	13.670	4.095 x 0.180	N1710IA-HR

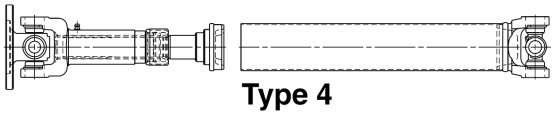
For specific application information please visit Neapcoparts.com
Dimensional Reference page 9-17 for Driveshaft Style Type

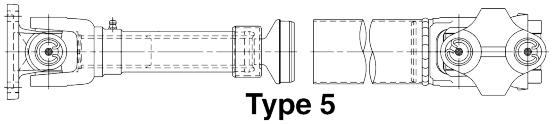
DIMENSIONAL REFERENCE

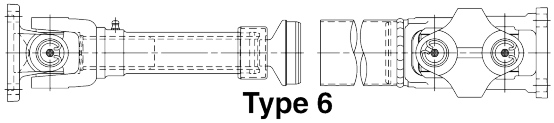

Type 1

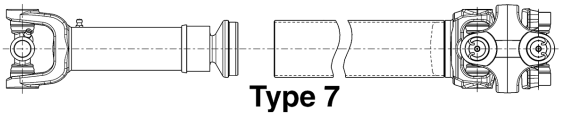

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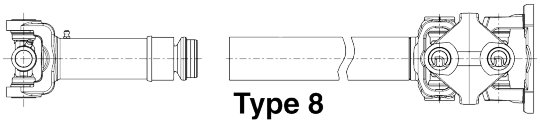

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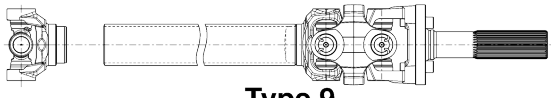

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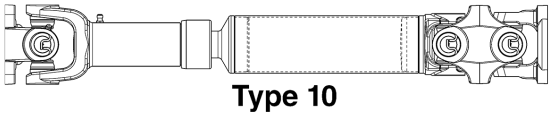

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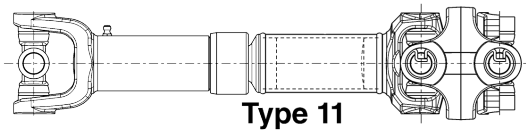

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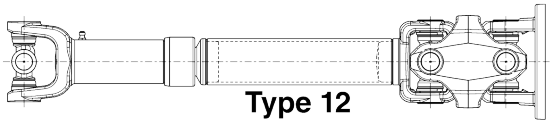

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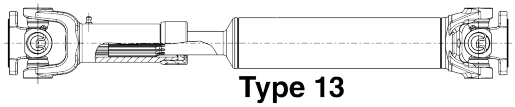

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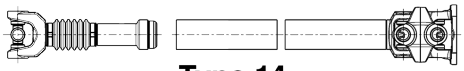

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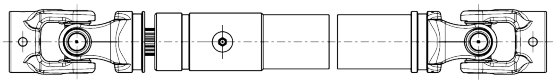

Type 10


Type 11

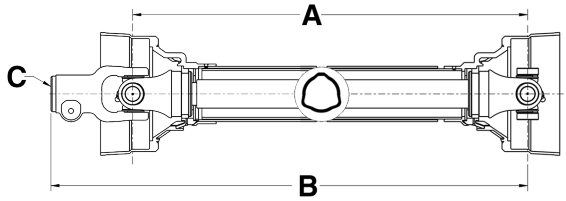

Type 12


Type 13

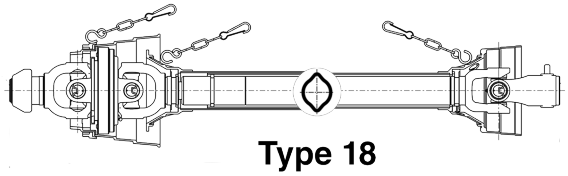

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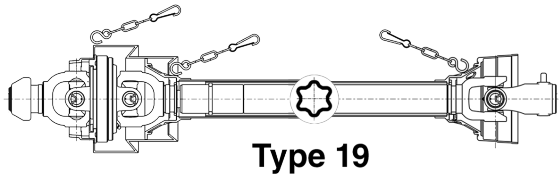

Type 15


Type 16



Type 17


Type 18


Type 19

Notes

neapco

THE DRIVELINE EXPERTS

SECTION

10

Small Parts

SUB SECTION

Driveline Weight

PTO Friction Disc

Adaptor Hardware

PTO/AUX Shaft-Shielding System

PTO Safety Shield Kit

Drive Shaft Sleeve

Increasing Bushing

Pilot Reducer

Dust Seal

Welch Plug

U-Bolt Kit

AND MUCH MORE!

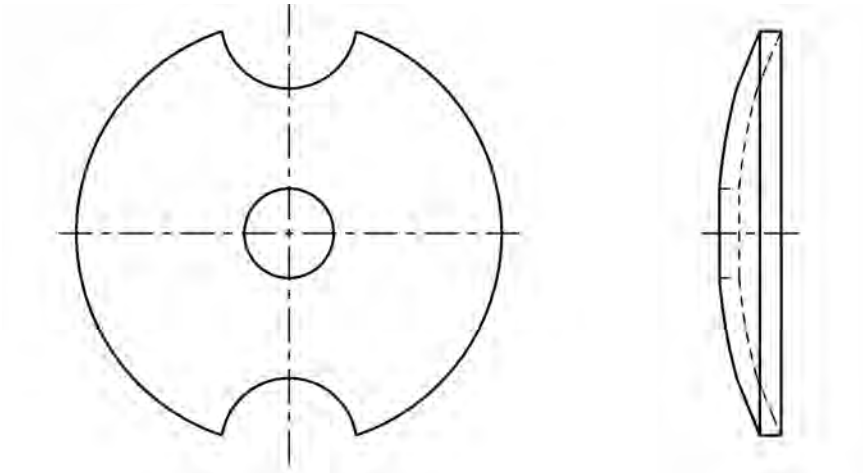


Manufacturing Driveline Solutions® in the USA Since 1921.

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DRIVELINE WEIGHT

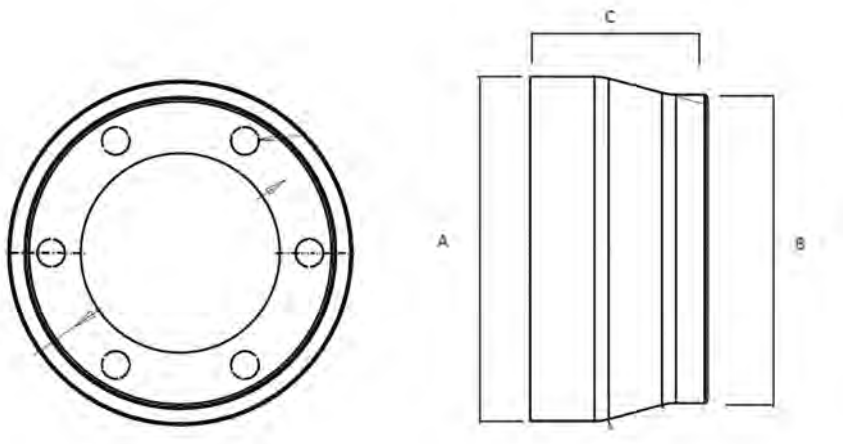


Material	Unit Weight Grams	Unit Weight Ounces	Quantity Per Box	Thickness	Width	Tube Dia.	Part Number
Steel	4.000	0.140	300	0.062	0.875	1.250 AND UP	DLW-1
Steel	5.000	0.170	250	0.062	0.969	1.250 AND UP	DLW-2
Steel	8.000	0.280	200	0.062	1.188	1.250 AND UP	DLW-3
Steel	10.000	0.350	150	0.062	1.312	1.250 AND UP	DLW-4
Steel	20.000	0.700	250	0.125	1.312	1.250 AND UP	DLW-5
Steel	30.000	1.050	150	0.188	1.312	1.250 AND UP	DLW-6
Steel	42.000	1.480	50	0.125	1.625	1.250 AND UP	DLW-30
Steel	50.000	1.760	50	0.125	1.625	2.000 AND UP	DLW-17

PTO FRICTION DISC

DL Series	Thickness	Inside Dia.	Outside Dia.	Quantity	Part Number
2200 Series A-3.329 B-1.250					
2200	0.125	3.340	6.875	2	61-2200

ADAPTER HARDWARE

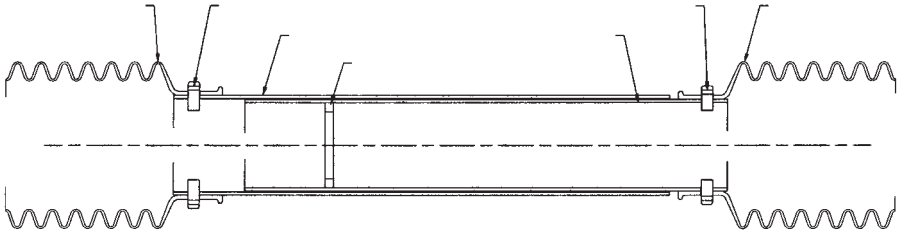


C Length	A Outside Diameter 1	B Outside Diameter 2	Part Number
2.568	4.980	4.457	NPS-06-2310-1X

PTO / AUX SHAFT - SHIELDING SYSTEM

68-1000

FB-N1000 Shield Kit

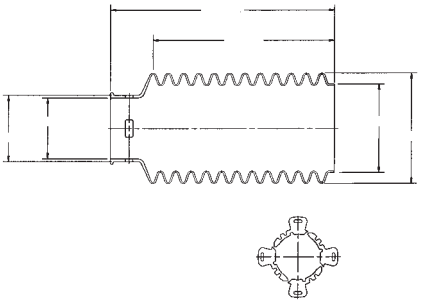


Consists of:

1) FB-275-SP Bell
1) FB-300-SP Bell
1) PT-2.75-60.00” Inner Shield Tube
1) PT-3.00-60.00” Outer Shield Tube
4) FN-275 Shield Bearing
4) FN-300 shield Bearing
1) 2294-4 Shield Support Bearing
1) FBIS-99.6 Instruction Sheet

68-0275

FB-275-SP Replacement Bell Kit

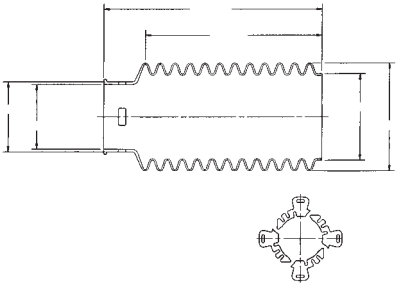


Consists of:

1) FB-275-SP Bell
4) FN-275 Shield Bearing

68-0300

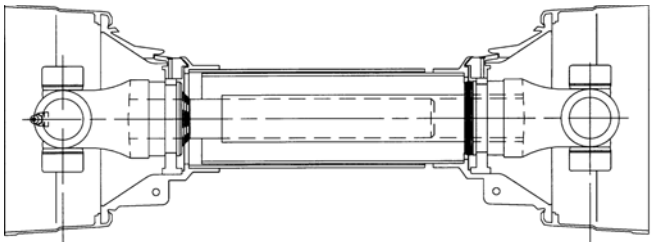
FB-300-SP Replacement Bell Kit



Consists of:

1) FB-300-SP Bell
4) FN-300 Shield Bearing

PTO / AUX SHAFT - SHIELDING SYSTEM

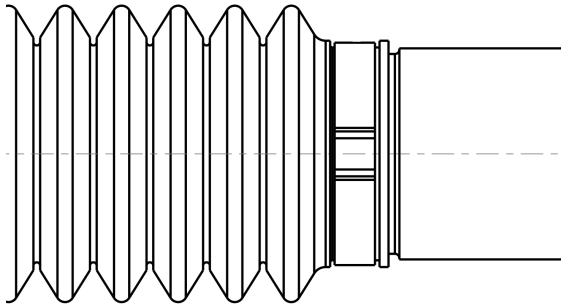


DL Series	Driveshaft Style	CL To CL Max. Extended Length	CL To CL Collapsed Length	Material	Part Number
		1000 Series	**A-2.312 B-0.938 C-1.500**		
1000	Welded-Type 1	38.000	26.750	Steel	58-0627
1000	Welded-Type 1	62.000	38.750	Steel	58-0639
1000	Welded-Type 1	86.000	50.750	Steel	58-0651
		1200 Series	**A-2.562 B-1.063 C-1.812**		
1200	Welded-Type 1	38.000	27.250	Steel	58-1227
1200	Welded-Type 1	62.000	39.250	Steel	58-1239
1200	Welded-Type 1	86.000	51.250	Steel	58-1251
		1800 Series	**B-1.00 C-2.34**		
1800	Welded-Type 1	62.000	40.000	Steel	58-1840
1800	Welded-Type 1	86.000	52.000	Steel	58-1852
		2000 Series	**A-2.625 B-1.125 C-1.85**		
2000	Welded-Type 1	44.187	28.187	Steel	58-2028
2000	Welded-Type 1	68.312	40.000	Steel	58-2040
2000	Welded-Type 1	80.25	52.000	Steel	58-2052
		2200 Series	**A-3.218 B-1.250 C-2.06**		
2200	Welded-Type 1	44.500	28.500	Steel	58-2229
2200	Welded-Type 1	65.000	39.000	Steel	58-2239
2200	Welded-Type 1	77.000	51.000	Steel	58-2251
		2600 Series	**B-1.37 C-2.81**		
2600	Welded-Type 1	42.625	28.875	Steel	58-2629
2600	Welded-Type 1	62.625	38.250	Steel	58-2639
2600	Welded-Type 1	75.375	51.000	Steel	58-2651
		N44 Series	**B-1.31 C-2.79**		
N44	Welded-Type 1	41.937	25.500	Steel	58-4429
N44	Welded-Type 1	65.000	39.000	Steel	58-4439
N44	Welded-Type 1	76.437	50.437	Steel	58-4451

PTO SAFETY SHIELD KIT

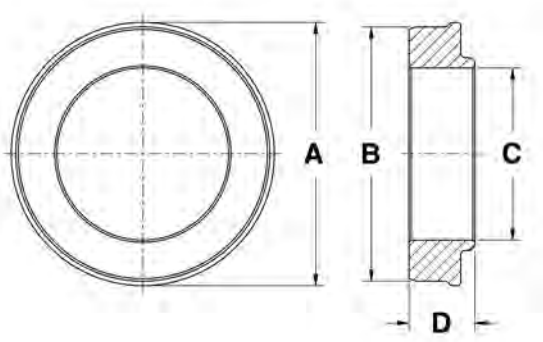
DL Series	Bell OD	Compressed Length	Length	Maximum Extended Length	Thickness	Used On	Part Number
B&P8							
B&P8	8.000	***	60.000	***	***	***	69-2648
W2100							
W2100	5.250	***	60.000	***	***	***	69-0648
W2500							
W2500	7.062	***	60.000	***	***	***	69-2248
WI							
WI	6.125	***	60.000	***	***	***	69-1248
***	5.000	***	10.176	8.237	***	***	68-0275
***	5.000	***	10.176	8.237	***	***	68-0300
***	***	50.352	***	140.352	***	***	68-1000
***	***	48.227	***	76.102	***	***	68-1001
***	***	63.102	***	88.602	***	***	68-1072
***	***	***	***	***	0.335	68-0275	FN-275-4
***	***	***	***	***	0.335	68-0300	FN-300-4

DRIVESHAFT SLEEVE



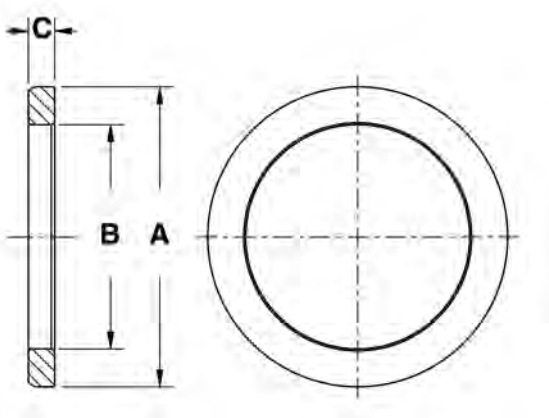
DL Series	Spline/Number Teeth	Fits Tube Dia. & Wall Thickness	Boot Apexes	Bore Type	Butt Dia.	CL To End Of Spline	End Of Spline To Radius	End Of Spline To Weld	Inside Dia.	Length Of Spline	Outside Dia.	Description	U-joint	Part Number
1410 Series A-4.438 B-1.188														
1410	1.43-20 based on 22	2.500 x 0.120	6	Round	2.260	8.600	5.910	4.980	1.810	4.110	2.600	Includes (1) yoke shaft, (1) boot, (1) sleeve, (1) u-joint, (2) clamps, (1) strap	2-0054G	N3-1411-1411X

INCREASING BUSHING



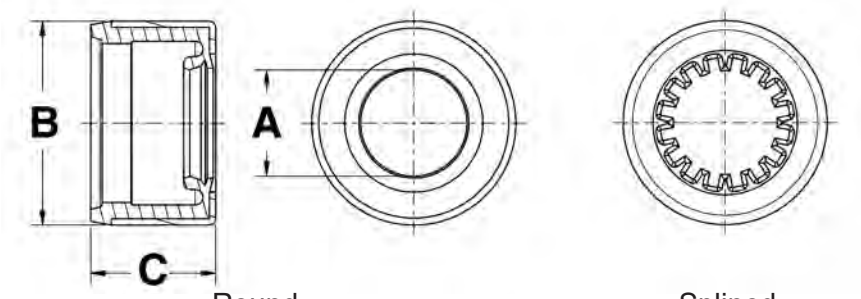
Butt Dia.	Tube Size Max	A Outside Dia.	B Tube Pilot	C Inside Dia.	D Length	Quantity	Part Number
2.500 X 0.100	3.500 X 0.065	3.000	2.875	2.281	0.875	1	5361
3.000 X 0.080	3.500 X 0.083	3.500	3.344	2.838	0.875	1	5368
2.500 X 0.080	3.500 X 0.083	3.500	3.344	2.328	0.875	1	5369
2.500 X 0.100	3.500 X 0.065	3.500	3.375	2.281	0.875	1	5362
3.000 X 0.130	3.500 X 0.065	3.500	3.375	2.719	0.875	1	5363
3.500 X 0.080	4.000 X 0.083	4.000	3.844	3.338	0.875	1	5373
3.000 X 0.130	4.000 X 0.083	4.000	3.875	2.719	0.875	1	5364
3.500 X 0.160	4.000 X 0.083	4.000	3.875	3.188	0.875	1	5365
3.500 X 0.160	4.500 X 0.083	4.500	4.375	3.188	1.000	1	5366

PILOT REDUCER



A Outside Dia.	B Inside Dia.	Quantity	Part Number
2.688	2.000	1	5324

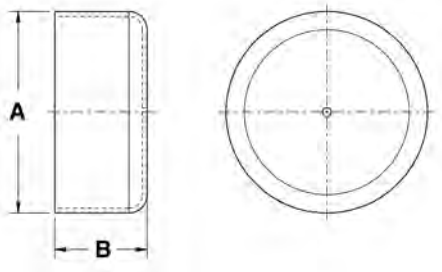
DUST SEAL



Round Splined

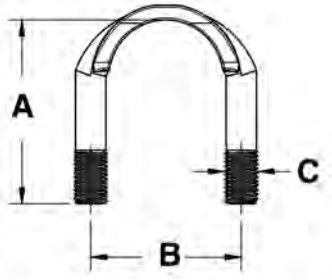
DL Series	Type	A Inside Dia.	B Outside Dia.	C Height	Lubrication Type	Quantity	Part Number
1000/1210							
1000/1210	Round	1.000	2.000	1.312	***	1	280196
1280/1310							
1280/1310	Splined	1.250-16	1.688	0.656	***	1	ND2K
1310 THRU 1410							
1310 THRU 1410	Round	1.156	2.125	1.312	NON-GREASABLE	1	280194
1310 THRU 1410	Round	1.156	2.125	1.312	GREASABLE	1	280194-1
1310 THRU 1410	Splined	1.375-16	2.125	1.000	***	1	280195
1350/1410							
1350/1410	Round	1.188	2.125	0.750	***	1	ND3A
1350/1410	Splined	1.375-16	1.906	0.750	***	1	ND3G
1350/1410	Splined	1.500-16	1.906	0.750	***	1	ND3K
1410/1480							
1410/1480	Round	2.250	2.312	0.750	***	1	ND3H
1550 Series A-5.250 B-1.375							
1550	Round	1.406	2.578	0.906	***	1	ND4J
1550	Splined	1.750-16	2.344	0.750	***	1	ND4K
1610 Series A-5.321 B-1.875							
1610	Round	1.625	2.641	0.938	***	1	N5-86-68
1710/1760 Series							
1710/1760	Round	2.062	3.344	0.938	***	1	N6.3-86-18
1810 Series A-7.547 B-1.938							
1810	Round	2.516	3.969	0.953	***	1	N6.5-86-38

WELCH PLUG



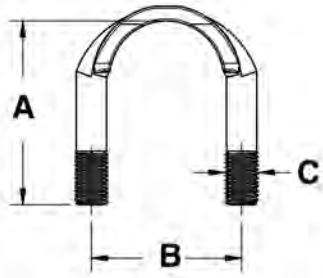
DL Series	A Height	B Outside Dia.	Quantity	Part Number
1610 Series A-5.321 B-1.875				
1610	0.438	2.203	1	N5-68-54
1610	0.715	2.375	***	N5-68-164
1710/1760				
1710/1760	0.531	2.750	1	N6-68-51
1710 Series A-6.094 B-1.938				
1710	1.250	2.750	1	N6-68-71
1710	0.781	2.880	***	N6-68-64
1710	1.500	2.880	***	N6-68-74
1760 Series A-7.000 B-1.938				
1760	1.094	2.750	1	N6.3-68-14
1810 Series A-7.547 B-1.938				
1810	0.625	3.250	1	N8-68-13
1810	0.725	3.365	***	N6.5-68-64

U-BOLT KIT



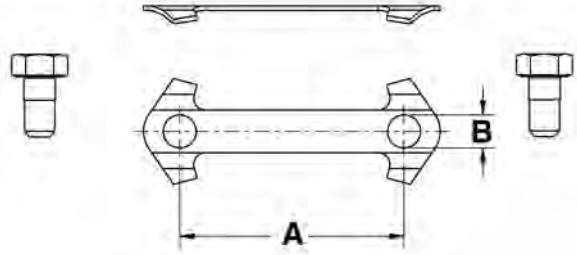
DL Series	Bearing Dia.	A Stud Length	B CL To CL Of Studs	C Thread Size	Thread Length	Torque (ft-lbs.)	Used With U-joint	Quantity	Part Number
1310/1330									
1310/1330	1.062	1.726	1.406	5/16-24	0.55	14-17	1-0153 / 1-0154 / 1-0200 / 2-4800	1	1-0089

U-BOLT KIT (Cont'd)



DL Series	Bearing Dia.	A Stud Length	B CL To CL Of Studs	C Thread Size	Thread Length	Torque (ft-lbs.)	Used With U-joint	Quantity	Part Number
1350/1410									
1350/1410	1.188	2.000	1.656	3/8-24	0.62	20-24	2-0053 / 2-0054	1	1-0099
1480/1550									
1480/1550	1.375	2.281	1.906	7/16-20	0.72	32-37	3-0188 / 3-0155	1	1-0109
1310/1330									
1310/1330	1.125	1.828	1.578	5/16-24	0.72	14-17	2-4900	1	1-0189

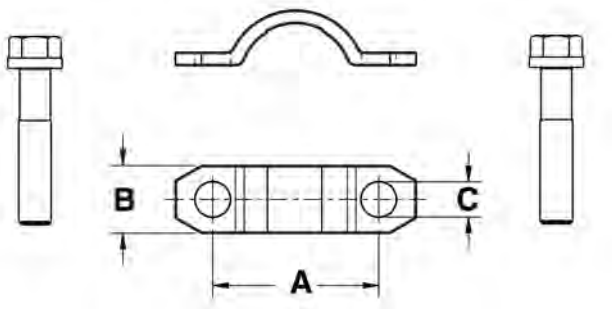
U- JOINT BEARING CAP RETAINER



DL Series	A CL To CL	Thread Size	Length Under Head	B Hole Dia.	Used With U-joint	Quantity	Part Number
1610 Series A-5.321 B-1.875							
1610*	2.313	***	***	0.344	4-0279 / 4-0674	1	1-2858
1710 / 1760 / 1810							
1710 / 1760 / 1810*	2.437	***	***	0.406	5-0280 / 6-0675 / 6-0677 / 6-0407 / 6-0676 / 6-0281	1	1-2859
20R / 25R							
20R / 25R*	***	***	***	***	6-0020 / 6-0025	1	NKIT-RPL25-20
SPL170/SPL250							
SPL170/SPL250*	***	***	***	***	6-1170 / 6-1250	1	1-0070
NPL170/250							
NPL170/250	***	M8 X 1.000	0.551	***	6-0170 and 6-0250	***	N211941X

*** SPL - Spicer ® Life Series driveshafts is a registered trademark of Dana Limited**

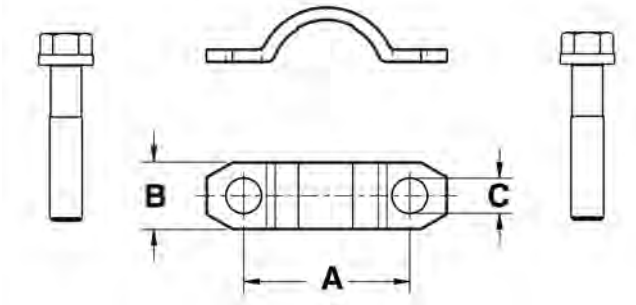
BEARING STRAP KIT



DL Series	Bearing Dia.	A CL To CL	B Strap Width	C Bolt Hole Dia.	Bolt Length	Thread Size	Torque (ft-lbs.)	Used With U-joint	Quantity	Part Number
1310 Series A-3.469 B-1.063										
1310*	1.063	***	0.630	***	***	***	***	***	50	N2-95-29
1310 / 1330										
1310 / 1330*	1.062	1.594	0.625	0.312	1.500	5/16-24	30-35	1-0153 / 1-0154 / 1-0200 / 2-4800	1	1-0024
1310 / 1330*	1.062	1.594	0.688	0.281	0.594	1/4-28	13-18	1-0153 / 1-0154 / 1-0200 / 2-4800	1	1-0022
1330/1330XC/1350/1355/7290/S44/P55-55-2/P55-55-675										
1330/1330XC/1350/1355/7290/S44/ P55-55-2/P55-55-675*	***	***	***	***	***	***	***	***	50	N3-95-19
1350 / 1410										
1350 / 1410*	1.188	1.656	0.750	0.344	1.500	5/16-24	30-35	2-0053 / 2-0054	1	1-0020
1350 / 1410*	1.188	1.806	0.750	0.344	0.750	5/16-24	30-35	2-0053 / 2-0054	1	1-0019
1410/1415										
1410/1415*	***	***	***	***	***	***	***	***	50	N3-95-29
1480 / 1550										
1480 / 1550*	1.375	2.125	0.844	0.406	0.750	3/8-24	55-60	3-0188 / 3-0155	1	1-0021
1485 / 1555										
1485 / 1555*	1.375	1.938	0.750	0.344	1.281	5/16-24	14-17	3-0486 / 3-1555	1	1-0030
1610 Series A-5.321 B-1.875										
1610*	1.875	2.500	1.000	0.406	0.750	3/8-24	45-60	4-0674	1	1-0045
1710 / 1760 / 1810										
1710 / 1760 / 1810*	1.938	2.812	1.062	0.531	1.000	1/2-20	115-135	6-0675 / 6-0676 / 6-0677	1	1-0046
3R Series A-3.563 B-1.125 C-2.563										
3R*	1.125	1.812	0.625	0.328	1.500	5/16-24	30-35	2-3010 / 2-3011 / 2-3111	1	1-0025
7260 Series A-3.000 B-1.078 C-2.125										
7260*	1.078	1.500	0.562	0.266	0.625	1/4-28	13-18	1-6300 / 1-6301	1	1-0023

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BEARING STRAP KIT (Cont'd)



DL Series	Bearing Dia.	A CL To CL	B Strap Width	C Bolt Hole Dia.	Bolt Length	Thread Size	Torque (ft-lbs.)	Used With U-joint	Quantity	Part Number
7290 Series A-3.563 B-1.126 C-2.625										
7290*	1.125	1.531	0.625	0.281	0.594	1/4-28	13-18	2-1175	1	1-0018
NPL170/SPL170										
NPL170/SPL170 *	2.166	3.234	1.094	0.500	0.984	M12x1.25	115-135	6-1170	1	N170-70-18X
NPL170/SPL170*	2.166	3.234	1.094	0.500	0.984	M12x1.25	115-135	6-1170	1	N170-70-08X
NPL250/SPL250										
NPL250/SPL250*	2.359	3.438	1.125	0.500	0.984	M12x1.25	115-135	6-1250	1	N250-70-08X
NPL250/SPL250*	2.359	3.438	1.125	0.500	0.984	M12x1.25	115-135	6-1250	1	N250-70-18X
SPL90 / SPL100										
SPL90 / SPL100*	1.625	2.312	***	0.391	0.750	3/8-24	45-60	4-1090 / 4-1091	1	N90-70-28X

BOLT



Thread Dia.	Grade	Length	Number Of Bolts	Length Under Head	Quantity	Part Number
1/4-28	8	0.562	***	***	100	6029562
5/16-24 UNF	8	1.250	***	***	4	37050X
5/16-24 UNF	8	1.500	100	***	100	1-0790
3/8-16	***	0.750	***	***	25	50-0449
3/8-24	***	1.250	4	***	1	N131F

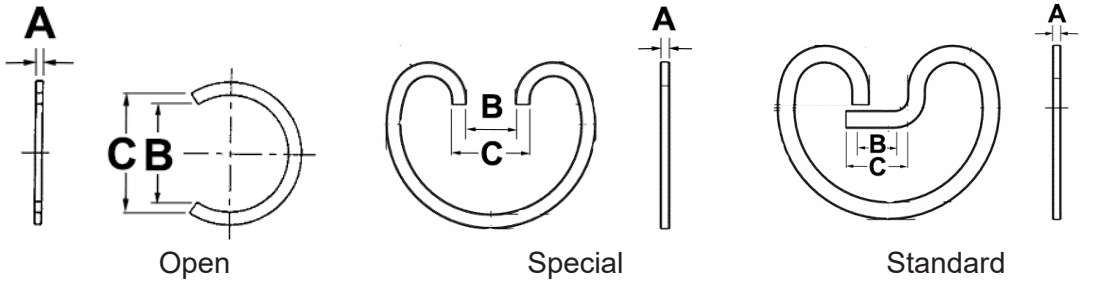
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BOLT (Cont'd)



Thread Dia.	Grade	Length	Number Of Bolts	Length Under Head	Quantity	Part Number
3/8-24	***	1.250	8	***	1	N161F
7/16-20	***	1.250	***	***	1	N135F
1/2-20	***	1.500	***	***	1	N148F
M12 X 1.25	***	1.480	***	1.000	20	N5007417

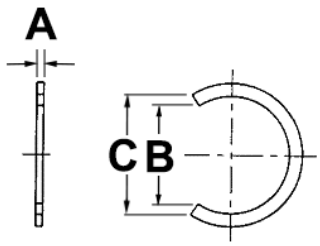
SNAP RING



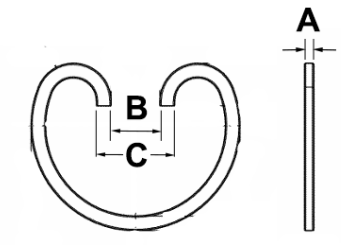
Open Special Standard

DL Series	Type	A Thickness	Color	B Nominal Id	C Nominal Od	Quantity	Part Number
20R/25R							
20R/25R	Open	0.078	black	***	2.290	4	6-7331
3R Series A-3.563 B-1.125 C-2.563							
3R	Open	0.089	black	0.995	***	100	1-8297
600							
600	Open	0.050	black	0.838	***	100	1-1077
7260 Series A-3.000 B-1.078 C-2.125							
7260	Open	0.062	copper	0.964	***	100	1-1771
***	Open	0.059	black	0.965	***	100	1-7700
***	Open	0.094	black	0.909	***	100	1-7180
***	Open	0.095	black	1.013	***	100	1-7330
1310/1330							
1310/1330	Standard	0.058	copper	***	1.215	100	3-7820
1310/1330	Standard	0.059	black	***	1.190	100	3-7700

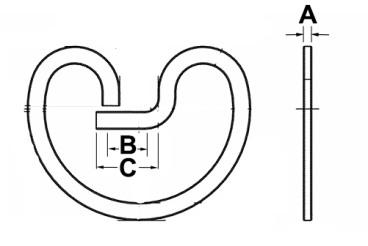
SNAP RING (Cont'd)



Open



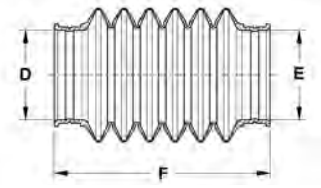
Special



Standard

DL Series	Type	A Thickness	Color	B Nominal Id	C Nominal Od	Quantity	Part Number
1310/1330							
1310/1330	Standard	0.061	white	***	1.205	100	3-7705
1310/1330	Standard	0.063	blue	***	1.205	100	3-7706
1350/1410							
1350/1410	Open	0.061	***	1.000	1.189	***	3-2440
1350/1410	Special	0.059	grey	***	1.328	100	3-7801
1350/1410	Standard	0.056	gray	***	1.314	100	3-7810
1350/1410	Standard	0.058	Copper	***	1.245	***	3-0770
1350/1410	Standard	0.058	***	***	1.360	***	3-2070
1350/1410	Standard	0.058	***	***	1.641	***	3-8000
1350/1410	Standard	0.059	black	***	1.370	4500	3-7811B4500
1350/1410	Standard	0.059	black	***	1.370	100	3-7811
1350/1410	Standard	0.060	red	***	1.370	4500	3-7812B4500
1350/1410	Standard	0.060	red	***	1.370	100	3-7812
1350/1410	Standard	0.061	white	***	1.370	4000	3-7813B4000
1350/1410	Standard	0.061	white	***	1.370	100	3-7813
1350/1410	Standard	0.062	brown	***	1.370	4000	3-7814B4000
1350/1410	Standard	0.062	brown	***	1.370	100	3-7814
1350/1410	Standard	0.063	yellow	***	1.370	4000	3-7815B4000
1350/1410	Standard	0.063	yellow	***	1.370	100	3-7815
1350/1410	Standard	0.064	grey	***	1.370	4000	3-7816B4000
1350/1410	Standard	0.064	grey	***	1.370	100	3-7816
1350/1410	Standard	0.065	blue	***	1.370	4000	3-7817B4000
1350/1410	Standard	0.065	blue	***	1.370	100	3-7817
1350/1410	Standard	0.066	violet	***	1.370	4000	3-7818B4000
1350/1410	Standard	0.066	violet	***	1.370	100	3-7818
1350/1410	Standard	0.067	pink	***	1.370	4000	3-7819B4000
1350/1410	Standard	0.067	pink	***	1.370	100	3-7819
1485							
1485	Standard	0.057	silver	***	1.500	100	3-7805

DRIVESHAFT BOOT



DL Series	Material	D/E Inside Dia.	F Length	Apexes	Bell Dia.	Grease (grams)	Inboard/ outboard	Installed Approxi-mate Length	Non-installed pproxi-mate Length	Shaft Dia.	Quantity	Part Number
***	Rubber	1.656 / 1.656	3.109	3	***	***	***	***	***	***	1	N2112504
***	Neoprene	2.590/0.76	4.135	3	3.020	85	***	4.135	4.135	0.750	***	85-0914
***	Neoprene	2.920/0.76	4.135	3	3.370	85	***	4.135	4.135	0.750	***	85-0900
***	Rubber	4.516 / 4.516	7.797	8	***	***	***	***	***	***	1	N211959X
NPL170/250, SPL170/250												
***	Rubber	0.728/2.488	4.098	6	2.988	***	Outboard	3.349	4.098	0.875	1	NOE-09-9451-A
***	Rubber	0.826/2.909	4.224	6	3.666	***	Outboard	3.566	4.224	0.880	1	NOE-09-9452-A
***	Rubber	0.860/3.125	3.540	4	***	***	***	***	3.540	***	1	NOE-09-9896-A
NPL170/250, SPL170/250*	Rubber	3.42 / 3.42	5.850	***	***	***	***	***	***	***	1	N5009494X
NPL170/250, SPL170/250*	Rubber	3.42 / 3.42	5.850	***	***	***	***	***	***	***	1	N5009494X1
***	Rubber	4.156 / 4.203	10.703	11	***	***	***	***	***	***	1	N211987X
NPL170/250, SPL170/250*	Rubber	4.51 / 4.51	7.800	***	***	***	***	***	***	***	1	N211959X1
NPL170/SPL170												
NPL170/ SPL170*	Rubber	3.69 / 3.69	7.950	***	***	***	***	***	***	***	1	N212059X
N90/N100												
N90/N100	Rubber	2.810	8.740	13	***	***	***	***	***	***	***	N212146X

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WASHER



Inside Dia.	Outside Dia.	Thickness	Quantity	Part Number
0.750	1.250	0.188	4	N500357-17
1.281	2.750	0.125	4	N230123-6

BALL SEAL



DL Series	A Ball Dia.	C Seal Outside Dia.	D Seal Height	Part Number
1310 thru 1350				
1310 thru 1350	1.125	1.342	0.163	N2-86-1298
1310 thru 1350	***	***	***	N2-86-418

SHAFT NUT



Thread Dia.	Flange Dia.	Width Across Flats	Thickness	Quantity	Part Number
1-20 UNEF	***	1.281	0.562	4	N16-74-101
1-1/4-18 UNEF	2.062	1.625	0.625	4	N231502
1-1/4-18 UNEF	2.500	1.625	0.625	1	N20-74-91

SMALL PARTS

LUBE FITTING



Thread Dia.	Overall Length	Type	Quantity	Part Number
1/8 PTF	0.688	Standard	10	0610-B
10-32 NF	0.344	Flush	10	2920
1/4-28 NF Tapered	0.438	Flush	10	2915
1/4-28 NF Tapered	0.594	Standard	20	0641-B
1/4-28 UNF	0.469	Standard	10	1981

U-JOINT FASTENER BOLT KIT

Grade	Length	Thread Dia.	Quantity	Part Number
8	1.750	1/2-20 UNF	4	NCSC8-20-52

MULTI PURPOSE RETAINING RING

Thickness	Inside Dia.	Outside Dia.	Ring Plier Dia.	Quantity	Part Number
0.037	***	0.942	0.166	1	NOE-99-7809-A
0.059	1.098	***	0.197	1	NOE-99-0481-A
0.350	1.500	1.625	***	1	N231259

DRIVESHAFT CENTERING TOOL

DL Series	Used With U-joint	Part Number
1480*	3-0188	1480
1550*	3-0155	1550
1600/1610*	4-0279	1600-1610
1700/1710*	5-0280	1700-1710
1760 Series A-7.000 B-1.938		
1760*	6-0407	1760
1810 Series A-7.547 B-1.938		
1810*	6-0281	1810
2R		
2R*	1-3600 / 1-3650	2R
55N		
55N*	3-0045	55N
L12N		
L12N*	1-1275	L12N
L14N		
L14N*	1-2075	L14N
L16N/35N		
L16N/35N*	2-2275	L16N-35N
NPL-170		
NPL-170*	6-1170	SPL-170
NPL-250		
NPL-250*	6-1250	SPL-250
NPL-90		
NPL-90*	4-1090	SPL-90
PL-140		
PL-140*	***	SPL-140
RPL-20		
RPL-20*	6-0020	RPL-20
RPL-25		
RPL-25*	6-0025	RPL-25

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STRAP

DL Series	Bearing Dia.	Bolt Hole Dia.	CL To CL	Strap Width	Used With U-joint	Used With UJ Strap Kit	Quantity	Part Number
7260 Series A-3.000 B-1.078 C-2.125								
7260	1.078	0.265	1.500	0.560	1-6300 / 1-6301	1-0023	20	72620

HARDWARE KIT

Used With U-joint	Description	Quantity	Part Number
1-6300	Contains: (4) Snap rings, .059 thk., .952 id., (1), 0641-B Zerk, (1) plastic lube plug	1	1-2822
6-0675 / 6-0676 / 6-0677	Fits driveline series 1710-1810. Contains: (4) ea. bearing strap and lockstrap bolts, (2) ea. bearing straps and lockstraps, (2) lube fittings.	1	1-2865

PTO YOKE & SHAFT ALIGNMENT KEY

Description	Quantity	Part Number
Contains (25): Width: 0.187" x Height: 0.187", Length: 1.0"	25	50-1501
Contains (25): Width: 0.250" x Height: 0.250", Length: 1.0"	25	50-1502
Contains (25): Width: 0.312" x Height: 0.312", Length: 1.0"	25	50-1503
Contains (25): Width: 0.1875" x Height: 0.422", Length: 1.0"	25	50-1504
Contains (25): Width: 0.250" x Height: 0.422", Length: 1.0"	25	50-1505
Contains (25): Width: 0.3125" x Height: 0.422", Length: 1.0"	25	50-1506
Contains (25): Width: 0.312" x Height: 0.289", Step wdth.: 0.250", Step hgt.: 0.131", Length: 1.25"	25	50-1511
Width: 0.187" x Height: 0.187", Length: 12.0"	1	50-3501
Width: 0.250" x Height: 0.250", Length: 12.0"	1	50-3502
Width: 0.312" x Height: 0.312", Length: 12.0"	1	50-3503
Width: 0.312" x Height: 0.289", Step wdth.: 0.250", Step hgt.: 0.131", Length: 12.0"	1	50-3511
Width: 0.250" x Height: 0.226", Step wdth.: 0.187", Step hgt.: 0.100", Length: 12.0"	1	50-3512
Width: 0.375" x Height: 0.352", Step wdth.: 0.312", Step hgt.: 0.162", Length: 12.0"	1	50-3513

PTO TUBE PIN

Description	Quantity	Part Number
Contains (10): OD: 0.339", Length: 1.968"	10	50-0112
Contains (10): OD: 0.339", ID: 0.315", Length: 2.36"	10	50-0412
Contains (10): OD: 0.417", ID: 0.394", Length: 2.95"	10	50-0512
Contains (10): OD: 0.417", ID: 0.394", Length: 2.76"	10	50-0612
Contains (10): OD: 0.417", ID: 0.394", Length: 3.15"	10	50-1080
Contains (10): OD: 0.417", ID: 0.394", Length: 3.54"	10	50-1090
Contains (10): OD: 0.496", ID: 0.472", Length: 3.15"	10	50-1280
Contains (10): OD: 0.339", ID: 0.315", Length: 2.65"	10	50-2212
Contains (10): OD: 0.417", ID: 0.394", Length: 2.65"	10	50-2312

PTO REPAIR KIT

Inside Dia.	Outside Dia.	Series	Width	Description	Quantity	Part Number
***	***	***	***	Contains (2) 0666 nylon bearings, (1) 0667 lock ring	1	56-0666
***	***	***	***	Contains (2) BPB2-101 retainer I/O	2	56-2101
***	***	***	***	Contains (2) BPB2-102 retainer I/O	2	56-2102
***	***	***	***	Contains (2) WSB2-2122 retainer I/O	2	56-2122
***	***	***	***	Contains (2) WSB4-2223 retainer I/O	2	56-2223
***	***	***	***	Contains (2) BPB4-103 retainer I/O	2	56-4103
***	***	***	***	Contains (2) BPB6-106 retainer I/O	2	56-6106
***	***	***	***	Contains (2) BPB8-108 retainer I/O	1	56-8108
2.000	2.281	2000, 2200	0.250	Contains (1) Nylon Bearing	1	56-2295
***	***	***	***	Contains (1) Pin 1.79" x 0.31", (1) spring 1.19" x 0.47". (1) washer 0.59" x 0.06"	3	56-0040
***	***	***	***	Contains (1) CL301 back up ring, (1) CL304 spring, (1) CL303 collar, (1) CL302 back up ring, (1) QL 205 snap ring and (3) 0.5" balls	8	56-0200
***	***	***	***	Contains (2) WPB2-06 retainers, 1000 series, 1.519" ID	2	56-0600
***	***	***	***	Contains (2) Nylon Bearing, 0.25" thk.	2	56-0604
***	***	***	***	Contains (1) 0611-1 spring, (1) 0613 snap ring, (2) 0614 balls, (1) 0615 collar	5	56-0615
***	***	***	***	Contains (2) WPB8-44 retainers, 44 series, 2.636" ID	2	56-0844
***	***	***	***	Contains (2) WPB2-L6 retainers, L600 series, 1.828" ID	2	56-1600
***	***	***	***	Contains (1) 0626-1 spring, (1) 1856-1 pin	2	56-1857

PTO REPAIR KIT (Cont'd)

Inside Dia.	Outside Dia.	Series	Width	Description	Quantity	Part Number
***	***	***	***	Contains (2) WPB4-20 retainers, 2000 series, 2.00" ID	2	56-2000
***	***	***	***	Contains (3) 2004 nylon shield bearings, 0.31" thk.	3	56-2004
***	***	***	***	Contains (2) WPB6-22 retainers, 2200 series, 2.00" ID	2	56-2200
***	***	***	***	Contains (1) Nylon Bearing, 2.00" ID, 0.25" thk.	1	56-2294
***	***	***	***	Contains (1) 1899 nylon bearing, (1) 2297 lock ring, (1) 2298 washer	3	56-2300
***	***	***	***	Contains (2) WSB6-2324 retainer I/O	2	56-2324
***	***	***	***	Contains (1) 0626-1 spring, (1) 2446 pin	2	56-2446
***	***	***	***	Contains (2) WPB8-26 retainers, 2600 series, 2.868" ID	2	56-2600
***	***	***	***	Contains (4) 2604 nylon shield bearings, 0.31" thk.	4	56-2604
***	***	***	***	Contains (1) Nylon Bearing, 2.54" ID, 0.25" thk.	1	56-2646
***	***	***	***	Contains (1) 0613-2 lock ring, (4) 0614-1 bearings,(1) 2663 spring, (1) 2669 QD collar	7	56-2669
***	***	***	***	Contains (1) 2286-4 lock ring, (3) JD-51019 bearings, (1) SC-1 slide collar, (1) SC-4 spring	6	56-3001
***	***	***	***	Contains (2) BPB6-105 retainer I/O	2	56-6105
***	***	***	***	Contains (1) 2294-4 nylon bearing, OD: 2.52", ID: 2.01", Thickness: .25"	1	2294-4

PTO COLLAR

Inside Dia.	Outside Dia.	Collar Groove Width	Quantity	Part Number
1.270	2.250	0.349	1	2-1250
1.610	2.250	0.349	1	2-1625
1.900	2.250	0.349	1	2-1880
2.020	2.250	0.349	1	2-2030

PTO CLUTCH YOKE

DL Series	Material	CL To End Of Hub	Housing Dia.	Housing Length	Spline/Number Teeth	Part Number
B&P5	Steel	6.500	3.740	3.000	1.375-6	8-0402
W220	Steel	6.578	3.578	2.125	1.375-6	8-0452
W2200	Steel	5.438	3.740	2.250	1.375-6	8-0403
W2300	Steel	5.594	3.740	2.250	1.375-6	8-0401
W2300	Steel	6.062	3.578	2.125	1.375-6	8-0451
W2400	Steel	6.188	3.578	2.125	1.375-6	8-0450
WI	Steel	5.594	3.740	2.250	1.375-6	8-0400

Notes

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THE DRIVELINE EXPERTS

SECTION

11

Center Support

SUB SECTION

Dimensional Listing by Bearing ID



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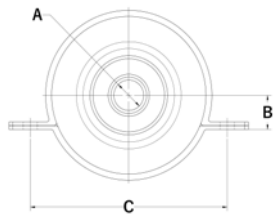
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CENTER SUPPORT

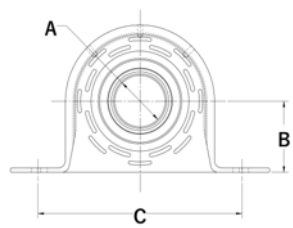
DIMENSIONAL REFERENCE





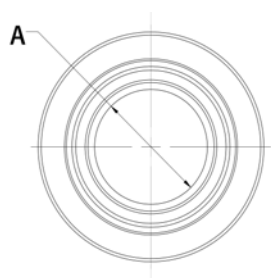
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
0.984	25.000	0.984	6.469	0.469 X 1.188 Slot	***	N214201





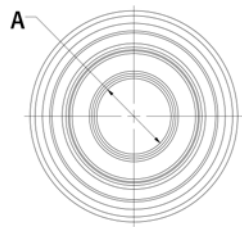
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	1.909	5.787	16.000	***	N211590-1XBNF





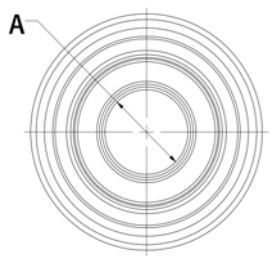
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	***	***	***	***	N212802





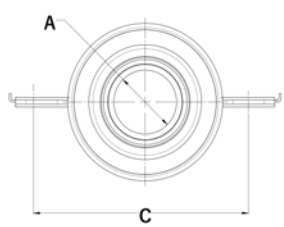
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	***	***	***	***	N212803





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	***	***	***	***	N212801

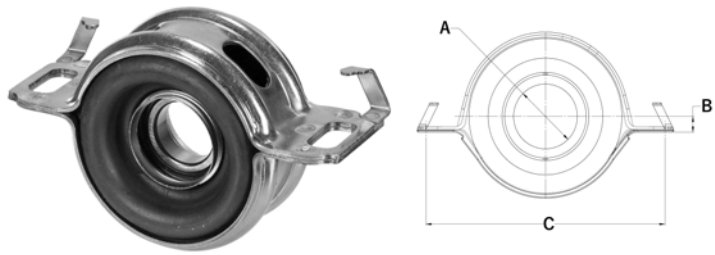




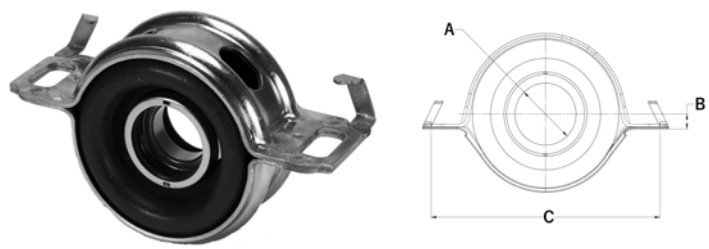
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	***	6.484	0.438 X 0.688 Slot	***	N216801

CENTER SUPPORT

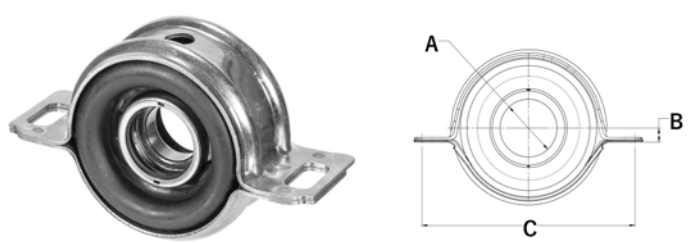
DIMENSIONAL REFERENCE



A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	0.281	5.828	0.578 X 1.188 Slot	***	N213805

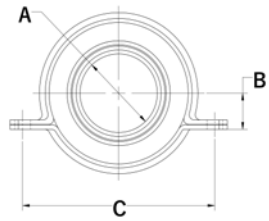


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	0.281	5.828	0.578 X 1.188 Slot	***	N213807



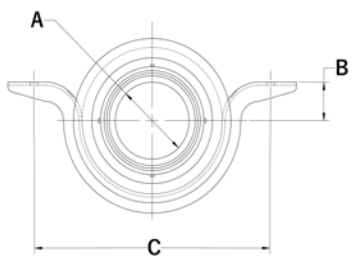
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	0.354	5.875	0.578 X 1.188 Slot	***	N223804





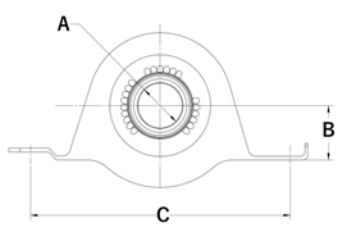
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	0.710	5.875	0.594 X 0.906 Slot	***	N223802





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	1.181	7.484	0.328 X 0.906 Slot	***	N214826



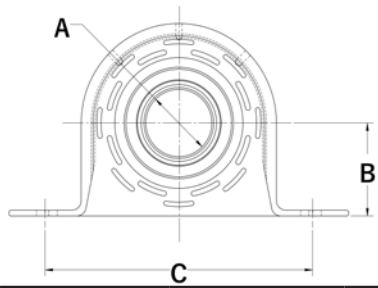


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	1.438	6.906	0.516 X 0.781 Slot	***	N229385

CENTER SUPPORT

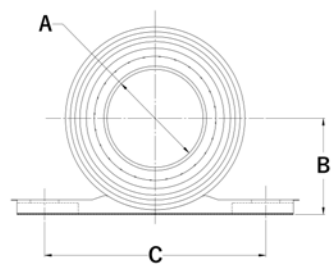
DIMENSIONAL REFERENCE





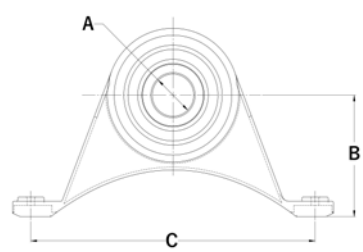
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	1.940	5.875	0.594 X 0.625 Slot	***	N211590-1X





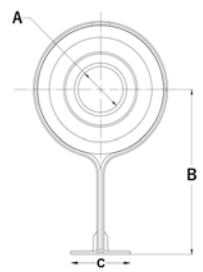
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	2.094	5.125	0.391 X 1.188 Slot	***	N217001





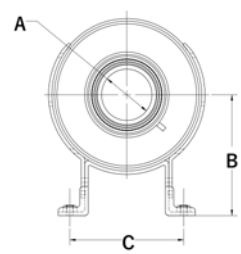
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	3.281 / 2.594	7.344	0.391 X 0.984 Slot	***	N211020-1X





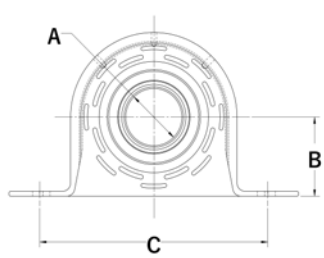
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	3.500	1.500	M10X1.5 Studs	***	N210527X





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.181	30.000	3.906	3.750	M12X1.750 Slot	***	N212187-1X



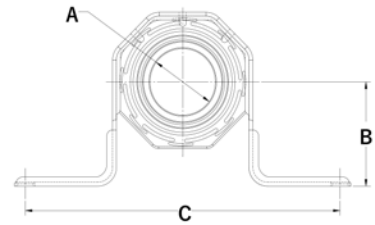


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.260	32.000	1.891	5.875	0.609 X 0.672 Slot	***	N211431X

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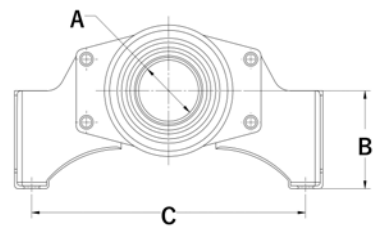
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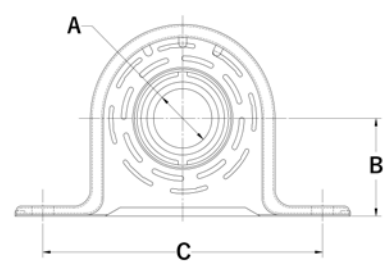
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.156	6.646	M10X1.5 Studs	***	N218102





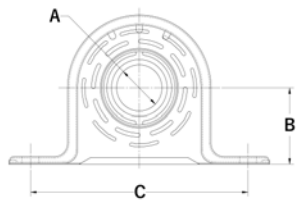
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.203	6.625	M10X1.5 Studs	***	N217020





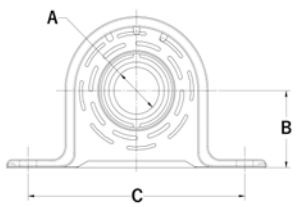
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.234	6.609	0.516 X 0.562 Slot	***	N210088-1X





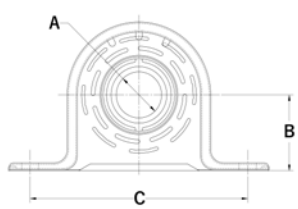
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.234	6.609	0.516 X 0.562 Slot	***	N210090-1X





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.234	6.609	0.516 X 0.562 Slot	***	N210367-1X



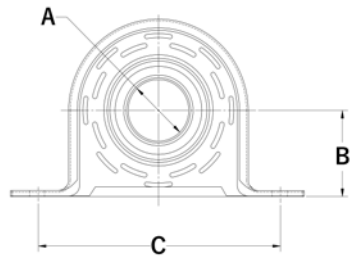


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.234	6.609	0.516 X 0.562 Slot	***	N210370-1X

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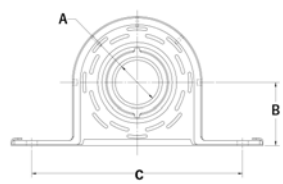
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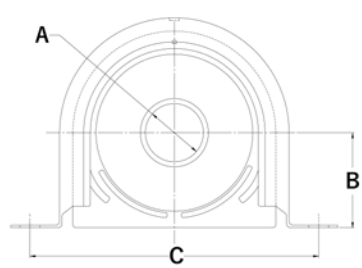
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.234	6.625	0.562 Dia.	***	N211139X





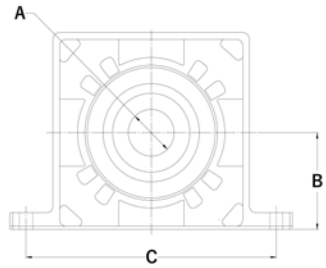
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.240	6.625	0.562 Dia.	***	N211187X





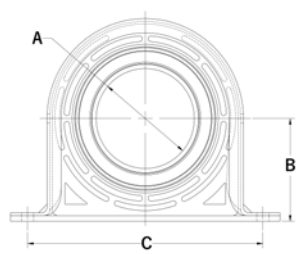
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.250	6.625	0.500 X 0.570 Slot	***	N211175X





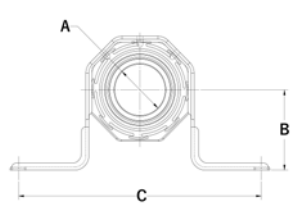
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.250	6.625	0.516 X 0.562 Slot	***	N217042





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.378	35.000	2.701	6.625	0.516 X 0.562 Slot	***	N211985X



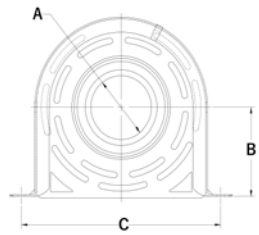


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.156	6.656	M10X1.5 Studs	***	N218099

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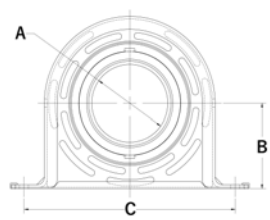
DIMENSIONAL REFERENCE





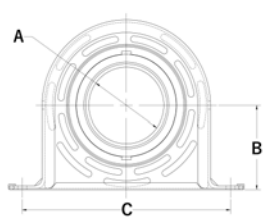
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.701	6.625	M10X1.5 Studs	***	N212028-1X





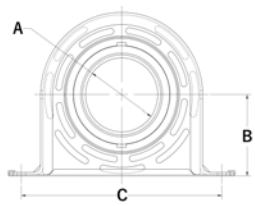
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.234	6.609	0.500 X 0.547 Slot	***	N210866-1X





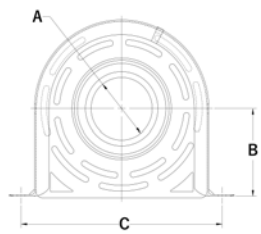
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.234	6.609	0.500 X 0.547 Slot	***	N210873-1X





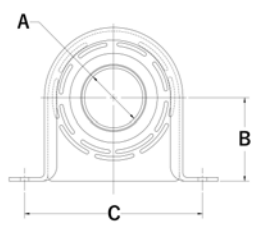
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.234	6.609	0.500 X 0.547 Slot	***	N211016X





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.234	6.625	0.500 X 0.570 Slot	***	N235150



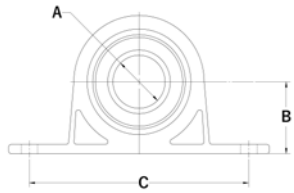


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.250	6.625	0.500 X 0.547 Slot	***	N211359X

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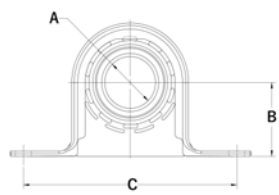
DIMENSIONAL REFERENCE





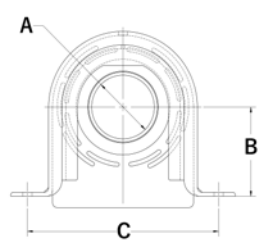
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.250	6.625	0.500 X 0.562 Slot	***	N214035X





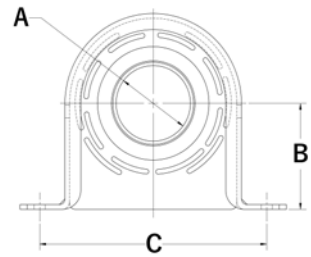
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.250	6.625	0.500 X 0.570 Slot	***	N211499X





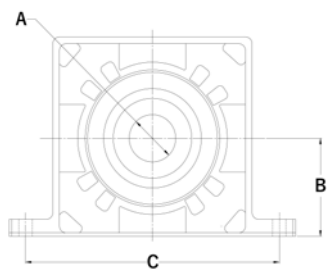
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.250	6.625	0.500 X 0.570 Slot	***	N212053-1X





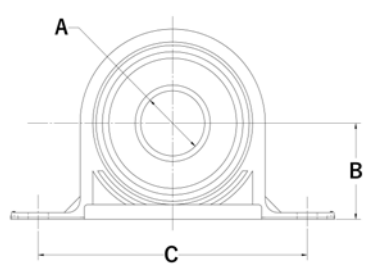
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.250	6.625	0.562 Dia.	***	N212093-1X





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.250	6.625	0.516 X 0.562 Slot	***	N217334



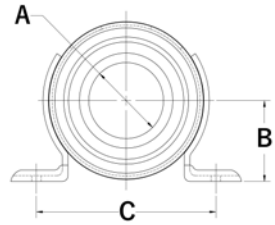


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.281	6.625	0.500 X 0.570 Slot	***	N235200

CENTER SUPPORT

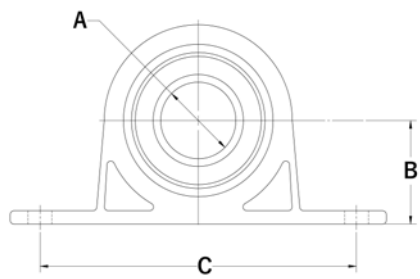
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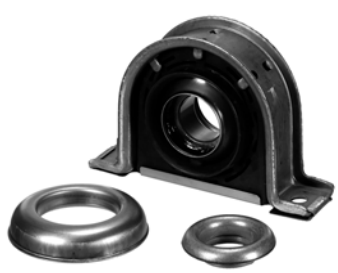


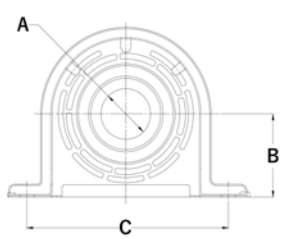
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.297	6.625	0.438 Dia.	***	N213075





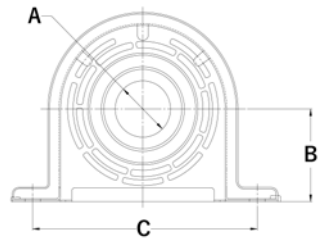
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.490	6.625	0.500 X 0.562 Slot	***	N214034X





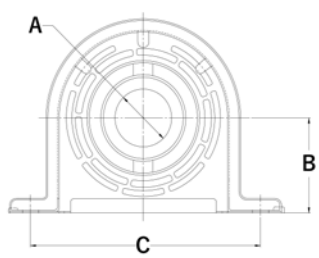
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.500	6.625	0.562 Dia.	***	N210140-1X





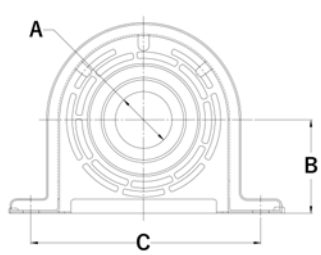
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.500	6.625	0.562 Dia.	***	N210144-1X





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.500	6.625	0.562 Dia.	***	N210391-1X



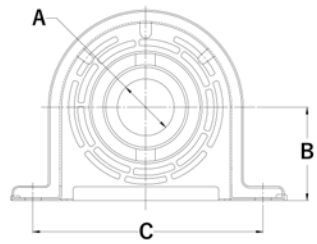


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.500	6.625	0.562 Dia.	***	N210433-1X

CENTER SUPPORT

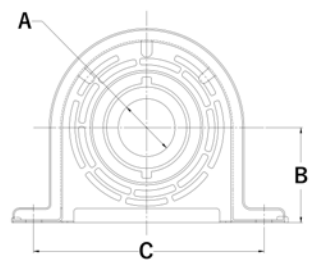
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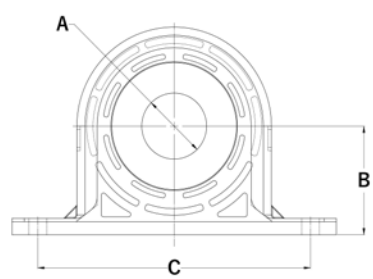
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.500	6.625	0.562 Dia.	***	N211037-1X





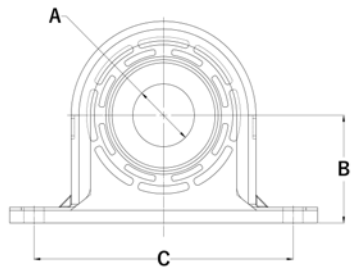
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.500	6.625	0.562 Dia.	***	N211098-1X





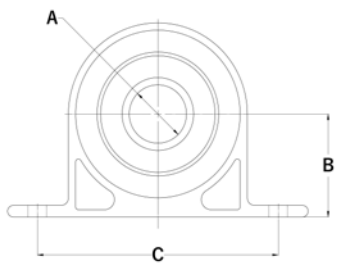
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.598	6.625	M10X1.5 Studs	***	N212032-1X





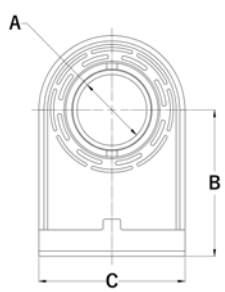
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.701	6.625	0.516 X 0.562 Slot	***	N211361-1X





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.781	6.625	0.500 X 0.562 Slot	***	N214033X



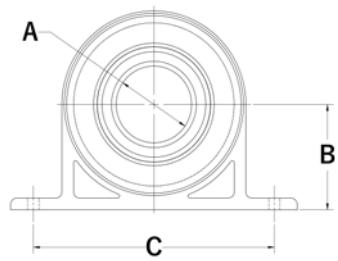


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	3.250	3.391	0.438-14 Nut	***	N211848-1X

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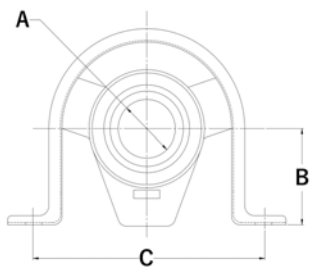
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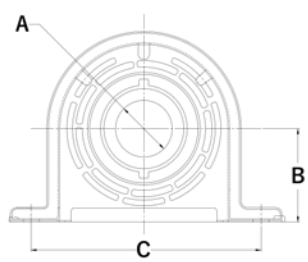
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.575	40.000	2.516	6.625	0.438 X 1.062 Slot	***	N215263





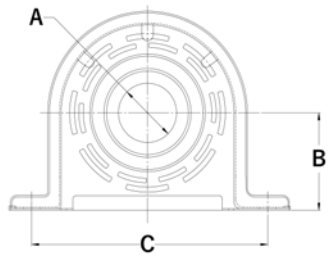
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.772	45.000	2.641	7.641	0.531 X 1.188 Slot	***	N214574





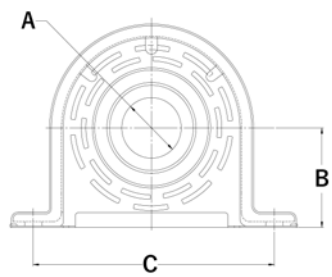
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.772	45.000	2.719	7.625	0.562 Dia.	***	N210084-2X



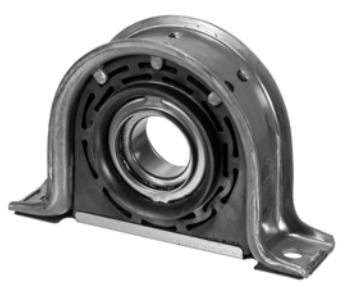


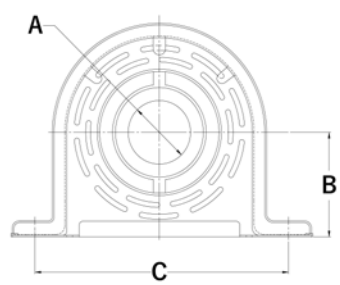
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.772	45.000	2.719	7.625	0.562 Dia.	***	N210130-1X





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.772	45.000	2.719	7.625	0.562 Dia.	***	N210207-1X



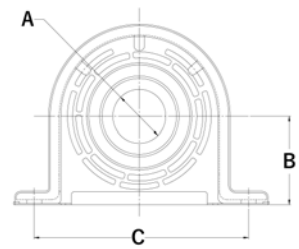


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.772	45.000	2.719	7.625	0.562 Dia.	***	N210969X

CENTER SUPPORT

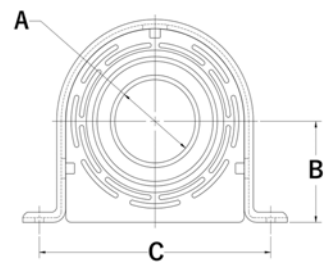
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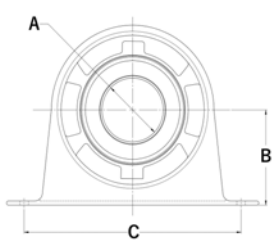
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.772	45.000	2.719	7.625	0.562 Dia.	***	N211172-1X





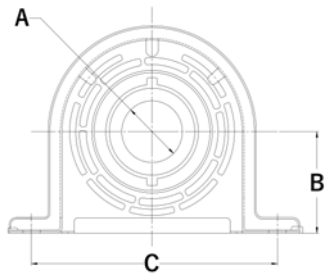
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.772	45.000	2.767	7.625	0.516 X 0.562 Slot	***	N212134-1X





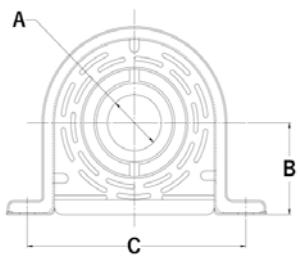
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.850	47.000	2.703	7.641	0.516 X 1.203 Slot	***	N214734





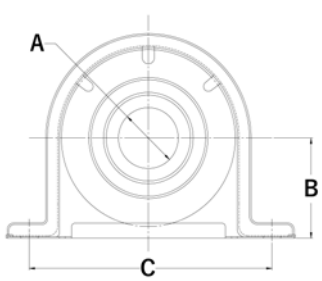
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.968	50.000	2.797	7.625	0.516 X 0.625 Slot	***	N210121-1X





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.968	50.000	2.797	7.625	0.516 X 0.625 Slot	***	N210121-1XSA



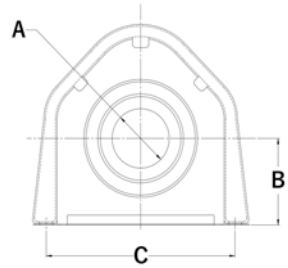


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.968	50.000	2.797	7.625	0.516 X 0.625 Slot	***	N210881-1X

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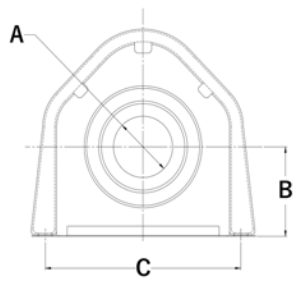
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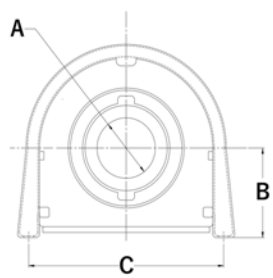
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
2.362	60.000	3.375	8.625	0.625 X 0.750 Slot	***	N210661-1X





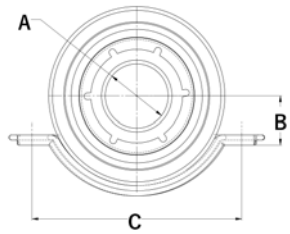
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
2.362	60.000	3.375	8.625	0.625 X 0.750 Slot	***	N210875-1X





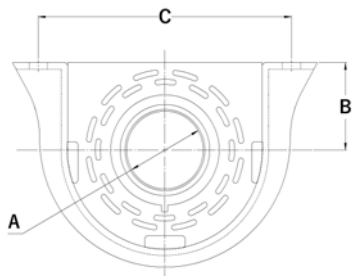
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
2.362	60.000	3.375	8.625	0.625 X 0.750 Slot	***	N210875-1XSA





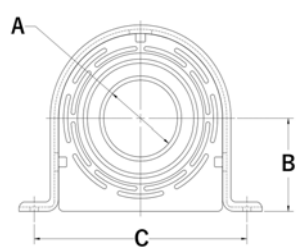
A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1.102	28.000	0.859	6.625	0.797 X 1.016 Slot	***	N216809





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
1810 Series						
2.362	60.000	3.375	8.625	0.559 x 0.620 Slot	+/-10°	N10094142



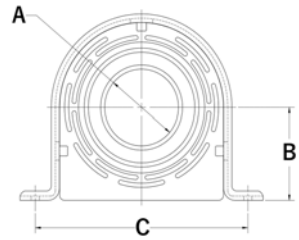


A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
N90/N100 Series						
1.772	45.000	2.689	7.618	0.559 x 0.620 Slot	***	N212261-1X

CENTER SUPPORT

DIMENSIONAL REFERENCE





A Bore Inches	A Bore MM	B CL Of Bearing To Face	C CL To CL Of Mounting	Bolt Hole Dia.	Angularity	Part Number
N90/N100 Series						
1.968	50.008	2.779	7.618	0.559 x 0.620 Slot	***	N212142-1X

Notes

neapco

THE DRIVELINE EXPERTS

SECTION 12

Aluminum Components

SUB SECTION

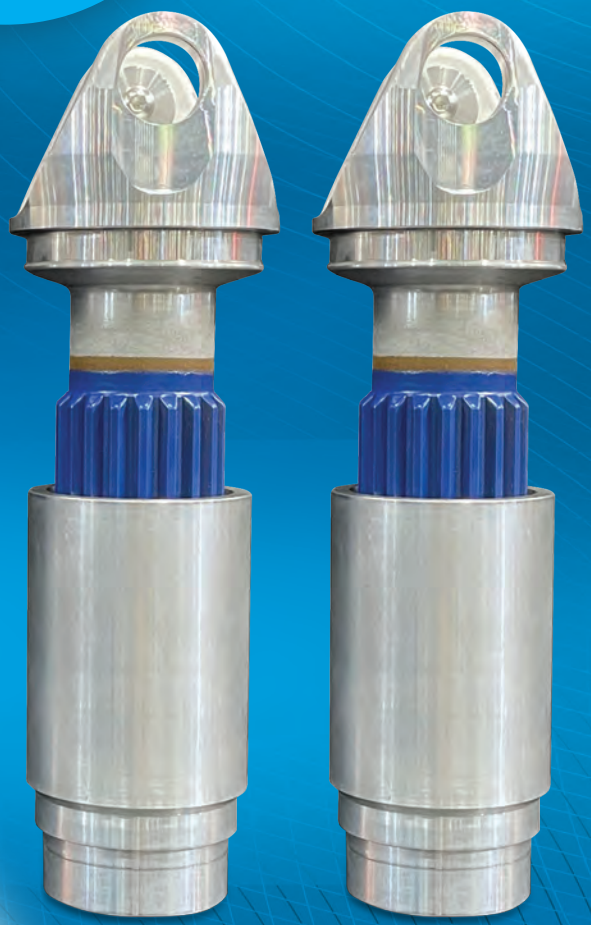
Balance Weights

Tubing

Driveshaft Assemblies

Tube Yokes

Yoke Shaft Assemblies

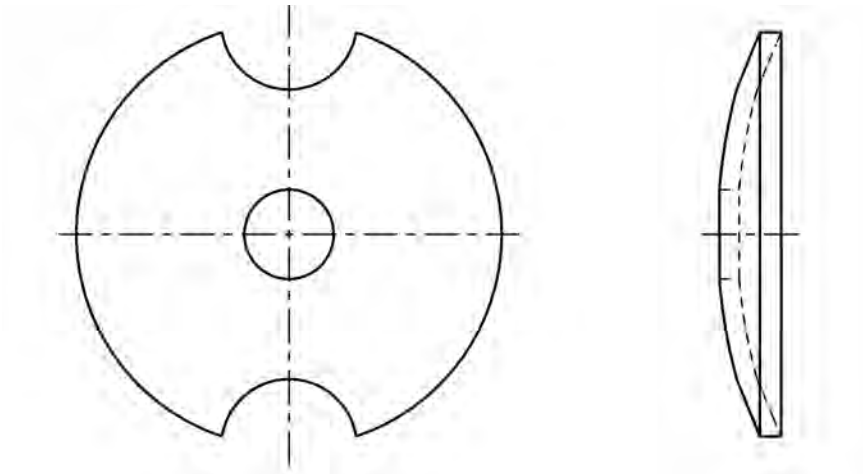


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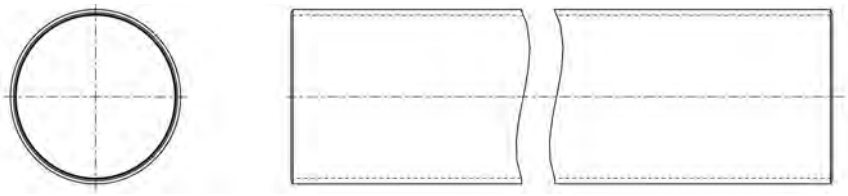
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BALANCE WEIGHTS



Unit Weight Grams	Unit Weight Ounces	Quantity Per Box	Thickness	Width	Tube Dia.	Part Number
2.600	0.090	50	0.075	1.250	3.500 AND 4.000	DLWA-41
2.600	0.090	50	0.075	1.250	5.000	DLWA-51
2.600	0.092	50	0.075	0.710	3.000	DLWA-31
4.300	0.150	50	0.075	1.250	3.500 AND 4.000	DLWA-42
4.300	0.150	50	0.075	1.250	5.000	DLWA-52
4.300	0.152	50	0.075	1.120	3.000	DLWA-32
5.500	0.190	50	0.075	1.250	3.500 AND 4.000	DLWA-43
5.500	0.190	50	0.075	1.250	5.000	DLWA-53
5.500	0.194	50	0.075	1.410	3.000	DLWA-33
8.000	0.280	50	0.075	1.250	3.500 AND 4.000	DLWA-44
8.000	0.280	50	0.075	1.250	5.000	DLWA-54
8.000	0.282	50	0.075	1.980	3.000	DLWA-34
9.000	0.310	50	0.250	1.250	3.500 AND 4.000	DLWA-45
9.000	0.310	50	0.250	1.250	5.000	DLWA-55
9.000	0.317	50	0.250	0.760	3.000	DLWA-35
10.600	0.370	50	0.250	1.250	5.000	DLWA-56
10.600	0.370	50	0.250	1.250	3.500 AND 4.000	DLWA-46
10.600	0.374	50	0.250	0.900	3.000	DLWA-36
20.000	0.705	50	0.250	1.570	3.000	DLWA-37
20.000	0.710	25	0.250	1.250	5.000	DLWA-57
20.000	0.710	25	0.250	1.250	3.500 AND 4.000	DLWA-47

TUBING



Tubing Type	Inside Dia.	Length	Outside Dia.	Wall Thickness	Part Number
Seamless	2.750	54.000	3.000	0.125	TAL-300-125-54
Seamless	2.750	54.000	3.000	0.125	TAL-300-125-54B58
Seamless	2.750	72.000	3.000	0.125	TAL-300-125-72
Seamless	3.272	37.700	3.500	0.114	TAL-350-114-36
Seamless	3.272	62.000	3.500	0.114	TAL-350-114-62
Seamless	3.750	36.000	3.500	0.125	TAL-350-125-36B57
Seamless	3.750	36.000	3.500	0.125	TAL-350-125-36
Seamless	3.250	54.000	3.500	0.125	TAL-350-125-54
Seamless	3.250	54.000	3.500	0.125	TAL-350-125-54B57
Seamless	3.250	72.000	3.500	0.125	TAL-350-125-72
Seamless	3.250	72.000	3.500	0.125	TAL-350-125-72B57
Seamless	3.830	54.000	4.000	0.083	TAL-400-083-54
Seamless	3.830	54.000	4.000	0.083	TAL-400-083-54B60
Seamless	3.834	72.000	4.000	0.083	TAL-400-083-72
Seamless	3.830	72.000	4.000	0.083	TAL-400-083-72B60
Seamless	3.826	62.000	4.000	0.087	TAL-400-087-62
Seamless	3.750	54.000	4.000	0.125	TAL-400-125-54
Seamless	3.750	54.000	4.000	0.125	TAL-400-125-54B60
Seamless	3.750	72.000	4.000	0.125	TAL-400-125-72
Seamless	3.750	72.000	4.000	0.125	TAL-400-125-72B60
Seamless	4.750	54.000	5.000	0.125	TAL-500-125-54
Seamless	4.750	54.000	5.000	0.125	TAL-500-125-54B59
Seamless	4.750	72.000	5.000	0.125	TAL-500-125-72B59
Seamless	4.750	80.000	5.000	0.125	TAL-500-125-80
Seamless	4.750	80.000	5.000	0.125	TAL-500-125-80B59

*Quantity per pallet indicated after "B" in part number sequence

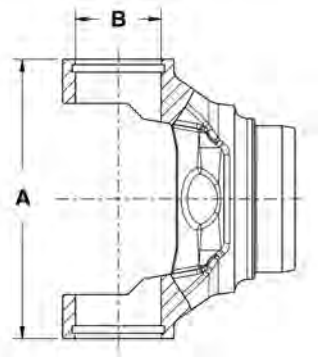
ALUMINUM COMPONENTS

DRIVESHAFT ASSEMBLIES

DL Series	Driveshaft Style	CL To CL Max. Extended Length	Center Line Uj To End Of Tube	CL To Point Of Weld	Tubing Dia. And Wall	Material	Part Number
1310 Series							
1310	Unwelded-Type 1	58.800	***	2.400	3.000 X 0.125	Aluminum	A131-5400-3HDP
1310	Unwelded-Type 1	58.800	***	2.400	3.500 X 0.125	Aluminum	A131-5400-3.5HDP
1330 Series A-3.875 B-1.063							
1330	Unwelded-Type 1	59.350	***	2.680	3.000 X 0.125	Aluminum	A133-5400-3HDP
1330	Unwelded-Type 1	59.350	***	2.680	3.500 X 0.125	Aluminum	A133-5400-3.5HDP
1330	Unwelded-Type 1	79.800	***	3.906	3.500 X 0.125	Aluminum	A133-7200-3.5HD
1330	***	***	39.900	***	3.500 X 0.125	Aluminum	A133-3769-3.5
1330	Unwelded-Type 1	79.800	***	3.906	3.500 X 0.125	Aluminum	A133-7200-3.5HD
1330	Unwelded-Type 1	77.350	***	2.680	4.000 X 0.125	Aluminum	A133-7200-4HDP
1330	Unwelded-Type 1	87.000	***	3.454	5.000 X 0.125	Aluminum	A133-8000-5
1350 Series A-3.875 B-1.188							
1350	Unwelded-Type 1	59.350	***	2.680	3.000 x 0.125	Aluminum	A135-5400-3HDP
1350	Unwelded-Type 1	59.350	***	2.680	3.500 x 0.125	Aluminum	A135-5400-3.5HDP
1350	Unwelded-Type 1	79.800	***	3.906	3.500 X 0.125	Aluminum	A135-7200-3.5HD
1350	Unwelded-Type 1	77.350	***	2.680	4.000 x 0.125	Aluminum	A135-7200-4HDP
1350	Unwelded-Type 1	87.000	***	3.454	5.000 X 0.125	Aluminum	A135-8000-5
1410 Series A-4.438 B-1.188							
1410	Unwelded-Type 1	73.000	***	3.906	4.000 X 0.087	Aluminum	A141-6500-4
1410	Unwelded-Type 1	77.980	***	2.990	4.000 x 0.125	Aluminum	A141-7200-4HDP
1410	Unwelded-Type 1	85.980	***	2.990	5.000 x 0.125	Aluminum	A141-8000-5HDP
1410	Unwelded-Type 1	87.000	***	3.454	5.000 X 0.125	Aluminum	A141-8000-5
1480 Series A-4.438 B-1.375							
1480	Unwelded-Type 1	87.000	***	3.454	5.000 X 0.125	Aluminum	A148-8000-5
1480	Unwelded-Type 1	85.980	***	2.990	5.000 x 0.125	Aluminum	A148-8000-5HDP
1550 Series							
1550	Unwelded-Type 1	86.450	***	3.230	5.000 x 0.125	Aluminum	A155-8000-5HDP

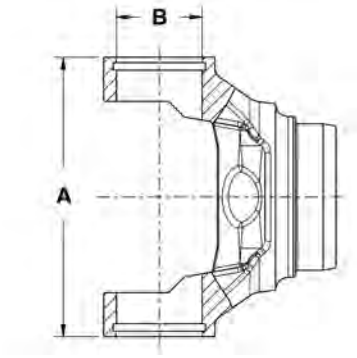
*** Dimensional Reference page 9-18 for Driveshaft Style Type.**

TUBE YOKES



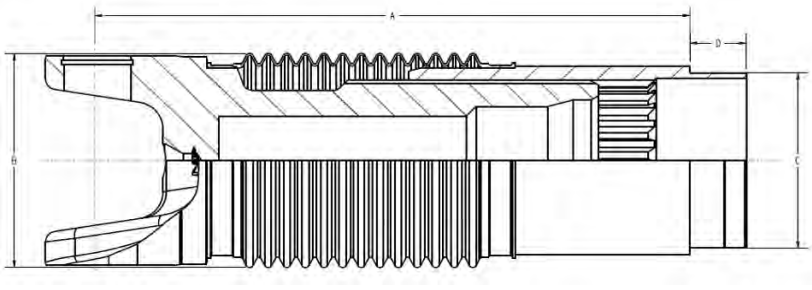
DL Series	Butt Dia.	CL To Point Of Weld	Tubing Dia. And Wall	Type Of Butt	Part Number
		1310 Series	A-3.469 B-1.063		
1310	2.766	2.031	3.000 X 0.125	HO	A31-28-3012
1310	2.750	2.360	3.000 X 0.125	HO	A31-28-3012P
1310	3.250	2.031	3.500 X 0.125	HO	A31-28-3512
1310	3.250	2.400	3.500 X 0.125	HO	A31-28-3512P
		1330 Series	A-3.875 B-1.063		
1330	2.750	2.680	3.000 X 0.125	HO	A33-28-3012P
1330	3.344	3.906	3.500 X 0.114	HO	A33-28-3511
1330	3.250	2.156	3.500 X 0.125	HO	A33-28-3512
1330	3.250	2.680	3.500 X 0.125	HO	A33-28-3512P
1330	3.843	3.901	4.000 X 0.083	***	A33-28-4008
1330	3.843	3.901	4.000 X 0.087	***	A33-28-4009
1330	3.750	2.680	4.000 X 0.125	HO	A33-28-4012P
1330	3.760	3.902	4.000 X 0.125	HO	A33-28-4012
1330	4.750	3.454	5.000 X 0.125	HO	A33-28-5012
		1350 Series	A-3.875 B-1.188		
1350	2.750	2.680	3.000 X 0.125	HO	A35-28-3012P
1350	3.344	3.906	3.500 X 0.114	HO	A35-28-3511
1350	3.250	2.680	3.500 X 0.125	HO	A35-28-3512P
1350	3.250	3.900	3.500 X 0.125	HO	A35-28-3512
1350	3.843	3.901	4.000 X 0.083	***	A35-28-4008
1350	3.750	2.680	4.000 X 0.125	HO	A35-28-4012P
1350	3.760	3.902	4.000 X 0.125	HO	A35-28-4012
1350	4.750	3.454	5.000 X 0.125	HO	A35-28-5012
		1410 Series	A-4.438 B-1.188		
1410	3.840	3.902	4.000 X 0.078	HO	A41-28-4008
1410	3.844	3.906	4.000 X 0.087	HO	A41-28-4009
1410	3.750	2.990	4.000 X 0.125	HO	A41-28-4012P
1410	3.760	3.902	4.000 X 0.125	HO	A41-28-4012
1410	4.750	2.990	5.000 X 0.125	HO	A41-28-5012P
1410	4.750	3.454	5.000 X 0.125	HO	A41-28-5012

TUBE YOKES (Cont'd)



DL Series	Butt Dia.	CL To Point Of Weld	Tubing Dia. And Wall	Type Of Butt	Part Number
1480 Series A-4.438 B-1.375					
1480	3.750	2.990	4.000 X 0.125	HO	A48-28-4012P
1480	4.750	2.990	5.000 X 0.125	HO	A48-28-5012P
1480	4.750	3.454	5.000 X 0.125	HO	A48-28-5012
1550 Series					
1550	4.750	3.230	5.000 X 0.125	HO	A55-28-5012P

YOKE SHAFT ASSEMBLIES



DL Series	Aluminum Tube OD and Wall	A Max Extended Length	A Min Compressed Length	A Recommended Boot Installation	B Boot Dia.	C Butt Dia.	D Butt Depth	Spline/Number Teeth	Part Number
1310 Series					**A-3.469**	**B-1.063**			
1310	3.000 x 0.125	11.460	7.460	10.460	4.000	2.758	1.000	2.500-19	N2-85-3130-AP
1310	3.500 x 0.125	11.400	7.400	10.400	4.000	3.258	1.000	3.000-23	N2-85-3135-AP
1350 Series					**A-3.875**	**B-1.188**			
1350	3.000 x 0.125	11.620	7.620	10.620	4.000	2.758	1.000	2.500-19	N3-85-3530-AP
1350	3.500 x 0.125	11.560	7.560	10.560	4.000	3.258	1.000	3.000-23	N3-85-3535-AP
1350	4.000 x 0.125	11.560	7.560	10.560	4.000	3.758	1.000	3.000-23	N3-85-3540-AP
1410 Series					**A-4.438**	**B-1.188**			
1410	4.000 x 0.125	13.320	7.760	12.320	5.000	3.758	1.000	3.500-27	N3-85-4140-AP
1480 Series					**A-4.438**	**B-1.375**			
1480	4.000 x 0.125	13.320	7.760	12.320	5.000	3.758	1.000	3.500-27	N3-85-4840-AP
1480	5.000 x 0.125	13.320	7.790	12.320	5.900	4.758	1.000	4.000-31	N3-85-4850-AP
1550 Series					**A-5.250**	**B-1.375**			
1550	5.000 x 0.125	13.710	8.180	12.710	5.900	4.758	1.000	4.000-31	N4-85-5550-AP

ALUMINUM COMPONENTS

Notes

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THE DRIVELINE EXPERTS

SECTION

13

Wing Bearing Driveline Products

SUB SECTION

End Yoke

Slip Yoke

Stub Shaft

Driveshaft Stub Shaft

Tube Weld Yoke

Yoke Shaft

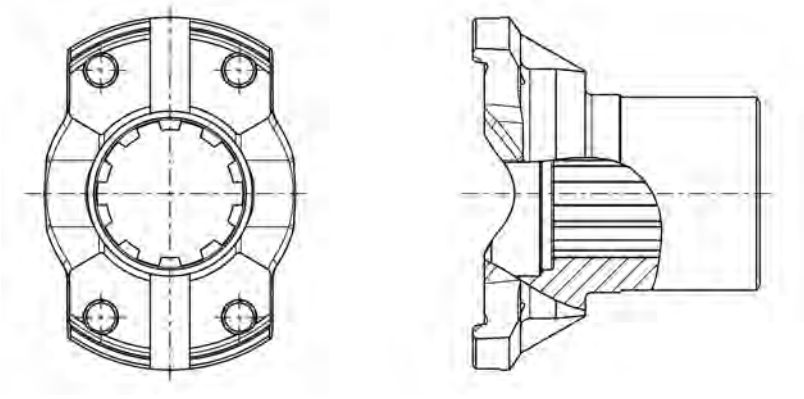


Manufacturing Driveline Solutions® in the USA Since 1921.

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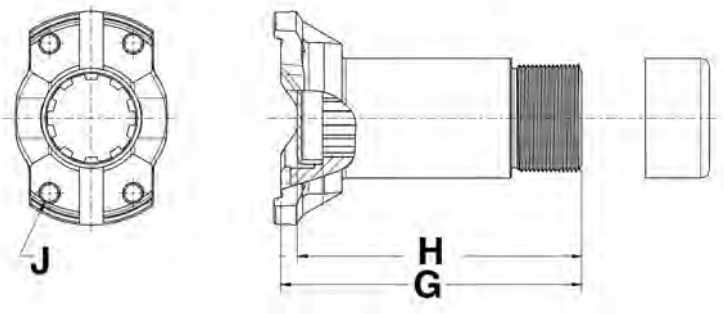
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END YOKE



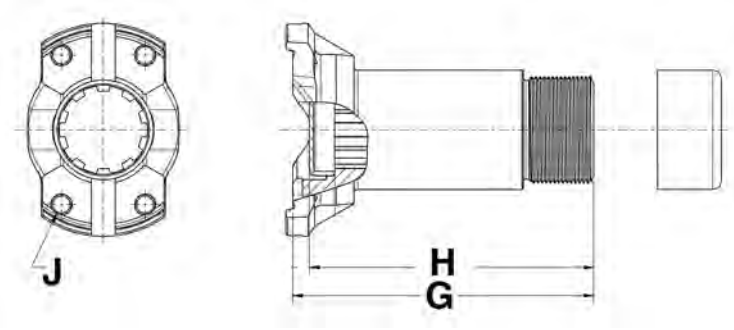
DL Series	Bore Type	Spline/Number Teeth	Face To End	Hole/ Thread Size	Hub Dia.	Length Thru Hole	Part Number
7C							
7C	Splined	1.750-10	3.438	0.470	2.375	2.188	10508J

SLIP YOKE



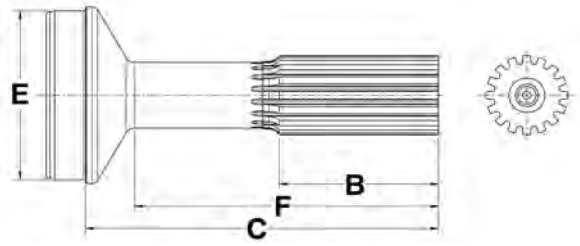
DL Series	Spline/ Number Teeth	G Overall Length	H Length To Dust Cap	J Hole/ Thread Size	Part Number
5C					
5C	1.500-10	5.375	N/A	3/8-24	6-5000
5C	1.560-16	5.625	4.500	3/8-24	5-67747
6C					
6C	1.750-10	5.625	4.375	3/8-24	6-6000
6C	1.750-16	6.125	4.875	3/8-24	6-6163
6C	1.750-16	8.875	7.625	3/8-24	6-67781
6C	1.750-16	9.500	8.375	3/8-24	6-6047

SLIP YOKE (Cont'd)



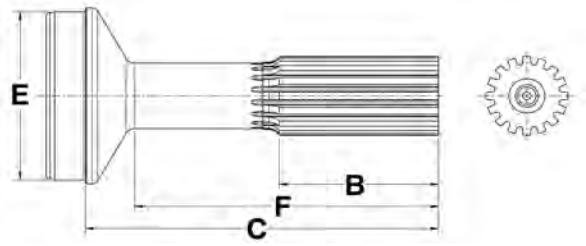
DL Series	Spline/ Number Teeth	G Overall Length	H Length To Dust Cap	J Hole/ Thread Size	Part Number
7C					
7C	2.000-10	7.062	6.062	1/2-20	6-7000
7C	2.000-10	9.125	8.125	0.469	6-7039
7C	2.000-16	7.062	6.062	1/2-20	6-67820
8C					
8C	2.500-16	8.625	7.500	1/2-20	8-78503
8.5C					
8.5C	2.500-16	8.625	7.375	1/2-20	85-67843
9C					
9C	3.000-16	9.625	8.565	1/2-20	9-67847

STUB SHAFT



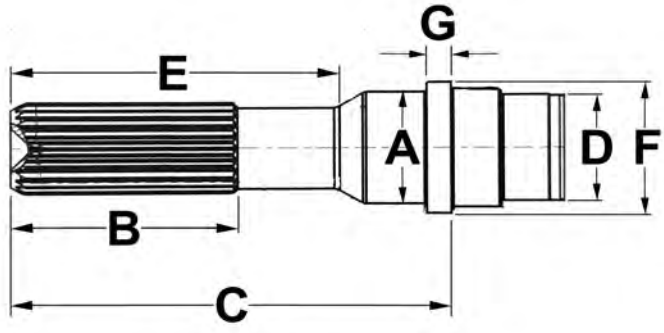
Spline/ Number Teeth	Tubing Dia. And Wall	B Length Of Spline	C End Of Spline To Weld	E Butt Dia.	F End Of Spline To Radius	Part Number
1.562-16	2.500 X 0.095	3.000	6.375	2.281	5.562	5-61729
1.500-10	2.500 X 0.095	3.000	6.750	2.312	6.047	3545J
1.750-10	3.000 X 0.095	3.000	7.000	2.812	6.281	3670J
1.750-16	3.000 X 0.095	3.000	7.000	2.812	6.281	6-61725

STUB SHAFT (Cont'd)



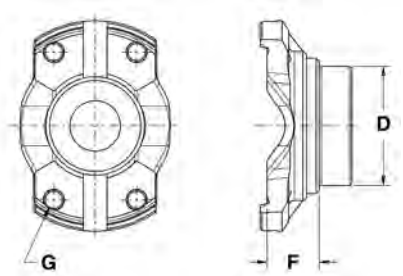
Spline/ Number Teeth	Tubing Dia. And Wall	B Length Of Spline	C End Of Spline To Weld	E Butt Dia.	F End Of Spline To Radius	Part Number
1.750-16	3.000 X 0.095	3.000	9.750	2.812	8.828	6-61747
1.750-10	3.500 X 0.095	3.000	7.125	3.312	6.875	9146J
2.000-10	3.500 X 0.095	4.000	8.500	3.312	7.625	9281J
2.000-10	3.500 X 0.095	7.125	9.375	3.312	8.406	9276J
1.750-16	3.500 X 0.095	3.000	9.625	3.312	8.750	17072J
2.000-16	3.500 X 0.120	3.875	8.500	3.266	7.438	7-61726
2.000-16	3.500 X 0.120	3.734	11.625	3.656	10.866	7-70825
2.500-16	4.000 X 0.134	4.000	9.250	3.734	8.250	85-40541
2.500-16	4.000 X 0.187	4.500	10.000	3.625	8.812	8-61737
3.000-16	4.500 X 0.250	5.375	11.188	4.000	9.656	9-61716

DRIVESHAFT STUB SHAFT



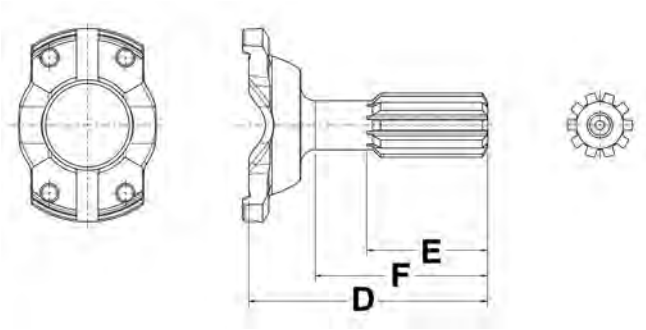
Spline/Number Teeth	Tubing Dia. And Wall	A Bearing Dia.	B Length Of Spline	C End Of Spline To Weld	D Butt Dia.	E End Of Spline To Radius	F Shoulder Dia.	G Length Of Shoulder	Part Number
0.958-22	T1.259-.078	1.188	2.250	5.719	1.109	4.969	1.375	1.250	NOE-40-2541-A

TUBE WELD YOKE



DL Series	Tubing Dia. And Wall	D Butt Dia.	F Face To Weld Point	G Hole/ Thread Size	Material	Part Number
5C						
5C	2.500 X 0.095	2.312	1.120	3/8-24	Steel	5-65119
5C	2.500 X 0.109	2.281	1.120	0.410	Steel	5-65138
5C	2.500 X 0.109	2.281	1.120	3/8-24	Steel	5-65188
6C						
6C	3.000 X 0.095	2.812	1.875	0.410	Steel	6-65122
6C	3.000 X 0.095	2.812	1.875	3/8-24	Steel	6-65182
6C	3.500 X 0.095	3.312	1.875	3/8-24	Steel	6-65180
7C						
7C	3.500 X 0.095	3.312	2.125	1/2-20	Steel	7-65172
7C	3.500 X 0.120	3.266	2.125	1/2-20	Steel	7-65230
8C						
8C	4.000 X 0.187	3.625	2.688	1/2-20	Steel	8-65262
8.5C						
8.5C	4.000 X 0.134	3.750	2.625	1/2-20	Steel	85-6011
8.5C	4.000 X 0.187	3.625	2.125	1/2-20	Steel	85-74020
9C						
9C	4.500 X 0.250	4.094	2.500	1/2-20	Steel	9-65288

YOKE SHAFT



DL Series	Spline/Number Teeth	D Overall Length	E Length Of Spline	F End Of Spline To Radius	Part Number
7C					
7C	2.000-10	7.000	2.938	5.250	5505J

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THE DRIVELINE EXPERTS

SECTION

14

General Information

SUB SECTION

Universal Joints

Driveline Components

Driveline Fabrication

Aluminum Components

PTO Components

Trouble Shooting Guide

Glossary



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Neapco Driveline Component Part Numbering System

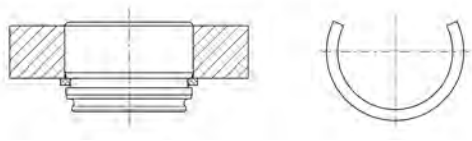
EXAMPLE: N6-3-2651KX

Neapco Series ID		Description		Part Number		Additional Items
Ex: N6	_	3	_	2651	_	KX
1710 Series	_	Slip Yoke	_	Part No.	_	Dust Cap

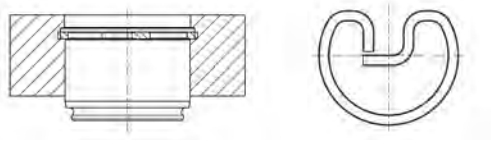
SERIES ID NO	SERIES
N10	1000
N2	1310
	1330
	1350
N3	1410
	1480
N3R	3R or S44
N4	1550
N5	1610
N6	1710
N6.3	1760
N6.5	1810
N729	7290
N170	SPL170*
N250	SPL250*
N350	SPL350*

** SPL - Spicer ® Life Series driveshafts is a registered trademark of Dana Limited.*

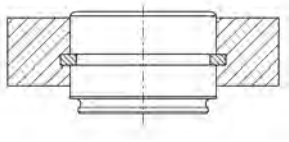
Typical Methods Of Universal Joint Lock-up



INSIDE



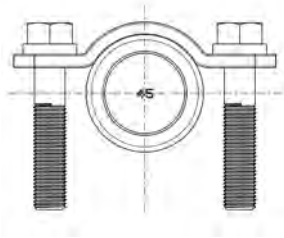
OUTSIDE



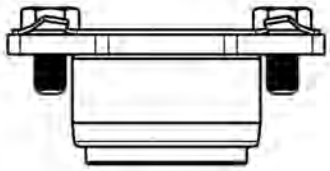
PLASTIC INJECTION



U - BOLT



BEARING STRAP



RETAINER PLATE

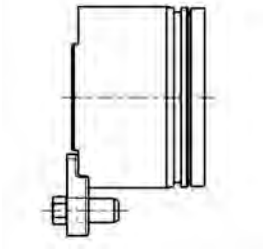
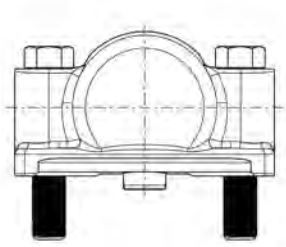
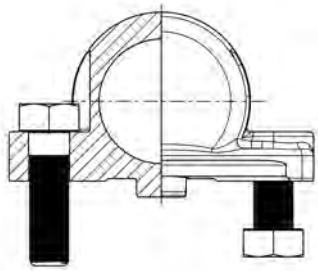


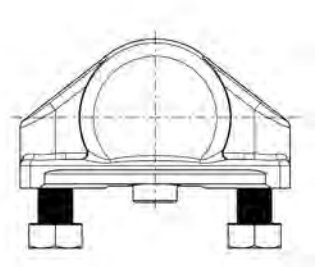
PLATE LOCK



DRILLED BLOCK BEARING

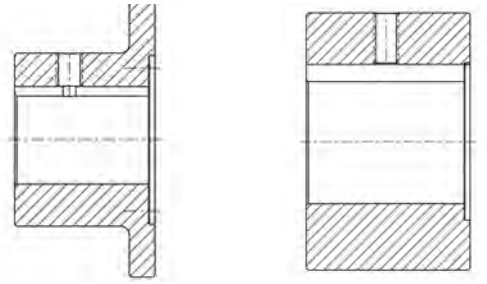


WING BEARING: 1 DRILLED, 1 THREADED



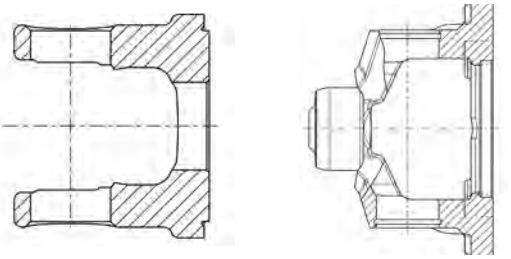
THREADED DELTA WING BEARING

Neapco Driveline Components
SECTION NUMBER (ID NUMBER) AND DESCRIPTION



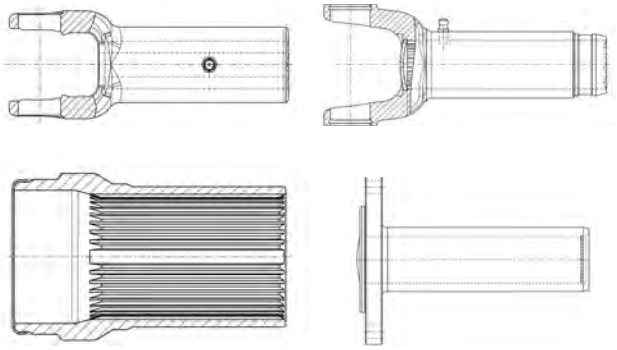
Section 1

(1) Companion Flange



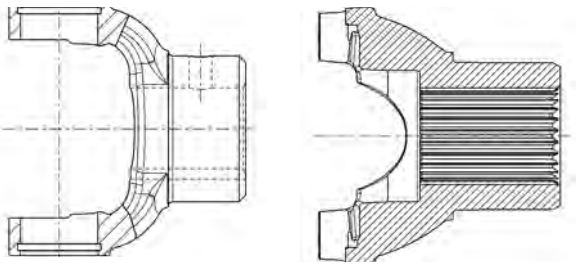
Section 2

(2) Flange Yoke (83) Flange Socket Yoke



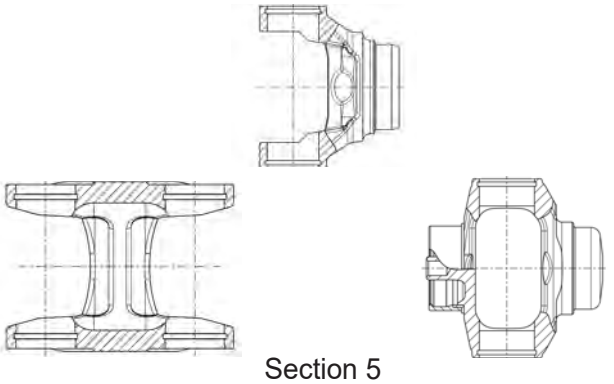
Section 3

(3) Slip Yoke (23) Flange Sleeve (55) Sleeve



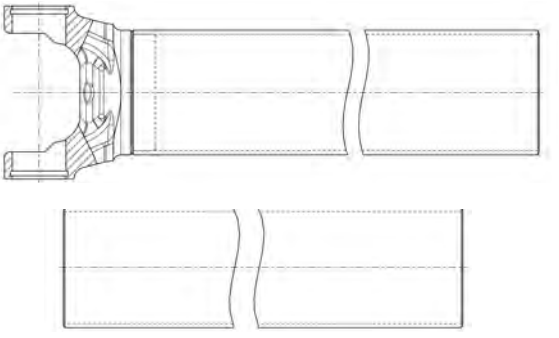
Section 4

(4) End Yoke



Section 5

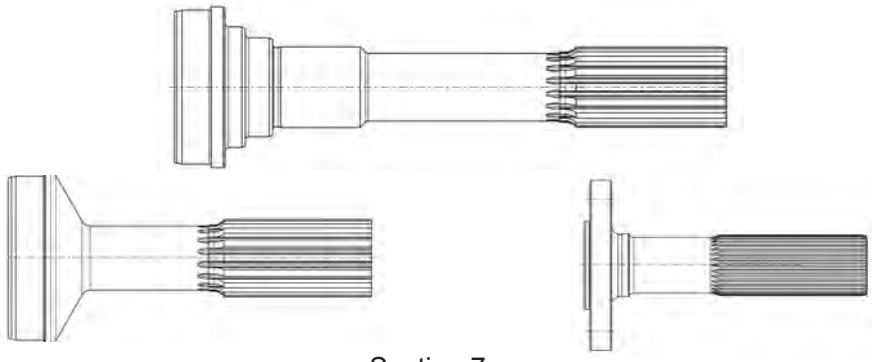
(26) H-Yoke (26) or (28) Tube Yoke (28) Ball Stud Yoke



Section 6

(27) Yoke and Tube Assembly (30) Tubing

Neapco Driveline Components
SECTION NUMBER (ID NUMBER) AND DESCRIPTION

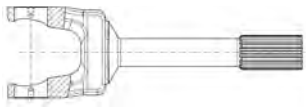


Section 7

(40 &42) Stub Shaft

(53 & 54) Midship Stub Shaft

(81) Flange Stub



Section 8

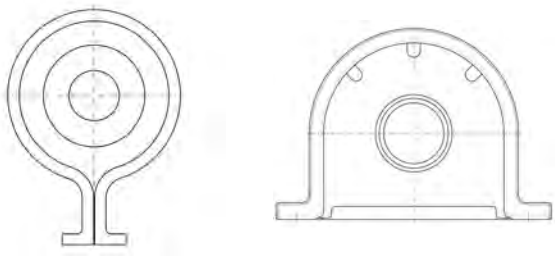
(82) Yoke Shaft

- Double Cardan C.V. Repair Kit
- Double Cardan C.V. Head Assembly
- Double Cardan C.V. Head Components
- PTO / AUX Shaft
- Driveshaft
- Driveshaft Components
- Double Cardan Centering Repair Kits
- PTO / AUX Shaft Shielding System

Section 9
Driveshaft Assemblies

- Driveline Weights
- Increasing Bushings
- Pilot Reducer
- Dust Seal
- Welch Plug
- Miscellaneous Fasteners
- Miscellaneous Hardware
- Driveshaft Boots
- Centering Tools

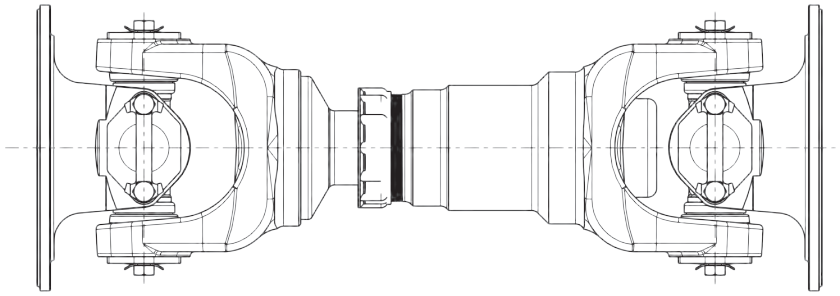
Section 10
Small Parts



Section 11
Center Support Bearings
(N2xxxxx)

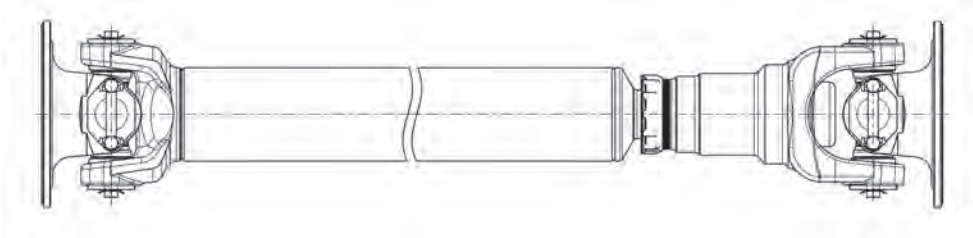
Typical Driveline Assemblies

SHORT COUPLED ASSEMBLY



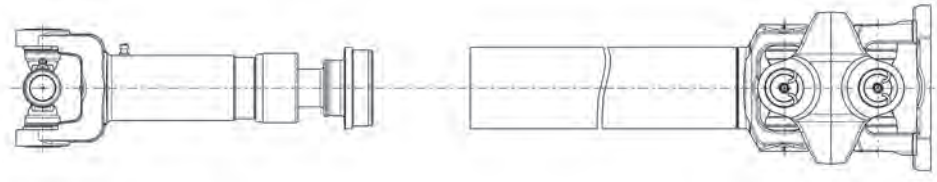
Short coupled assemblies are generally used in applications where space is limited and would not allow tubing to be utilized. A typical application ,-would be between the axles of a tandem vehicle.

TWO JOINT ASSEMBLY



Two joint assemblies are used in applications that require the shaft assembly to lengthen and shorten due to movement by either or both of the connecting ends. A short wheel base vehicle is a typical application.

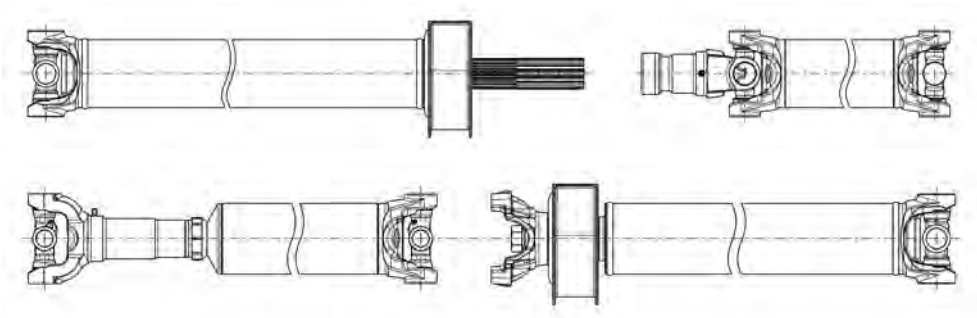
DOUBLE CARDAN CV ASSEMBLY



Double Cardan CV shaft assemblies are used in applications that require operating angles beyond the capability of standard single u-joints. The most common application is the front shaft of a 4 x 4 vehicle.

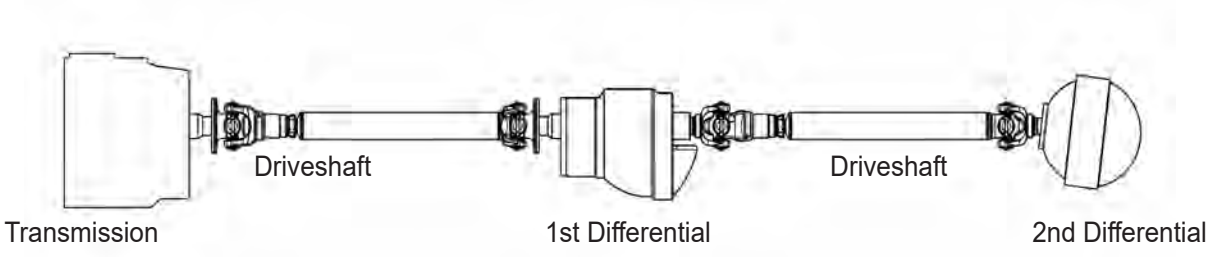
Typical Driveline Assemblies

CENTER BEARING STYLE



Shaft assemblies that use center bearings are typically used to span lengths beyond the capability of a single shaft. A minimum of one shaft assembly will have the ability to provide slip movement. An example is the main driveshaft of most medium duty straight chassis.

TYPICAL DRIVELINE ARRANGEMENT



Basic Driveline Design Procedures & Precautions

In order to get the optimum service life out of any driveline and its components, it is important to start out with a driveline which is right for the application, and an application which allows the use of drivelines in their acceptable working ranges. There are five key elements that must be considered when building a driveline.

1 -OPERATING SPEEDS -TABLES I & II
2 -OPERATING LOADS OR TORQUES -TABLE II
3 -OPERATING U-JOINT ANGLES -TABLE III
4 -LENGTH OF DRIVELINE -TABLE 1
5 -DRIVELINE BALANCE

Each of these elements, separately or in conjunction with each other, can lead to driveline problems and/or failure when not matched with the driveline capabilities.

The maximum operating speed must be held somewhat below the critical speed of the driveline, — 85% for passenger cars and light duty trucks and 75% for medium and heavy-duty trucks. The critical speed is a function of the tubing O.D., the tubing wall thickness, and the centerline to centerline length of the driveshaft. Operating at or near the critical speed of a driveline will cause substantial vibration and possible failure.

The maximum load that a driveline can carry is a function of joint rating, tubing O.D. and wall thickness, and component strength.

It is generally accepted that the major limiting factor in determining allowable U-joint operating angles is speed. Good design practice is to keep operating angles within the 0.5° to 3° range. Higher angles are permissible, depending on shaft speed. Another good design practice is to keep the difference in angles between two U-joints in the same driveshaft to within 1°.

Universal joint operating angles can be determined by measuring the angles of the various components and finding the resultant. A bubble or digital protractor is needed to measure the component angles. Measurements should be taken on machined surfaces, and partial disassembly of the driveline may be required to expose those surfaces. Common surfaces which are used to take angle measurements are: the outside face of yoke ears, flange faces and the outside diameter of the tubing.

Before Starting

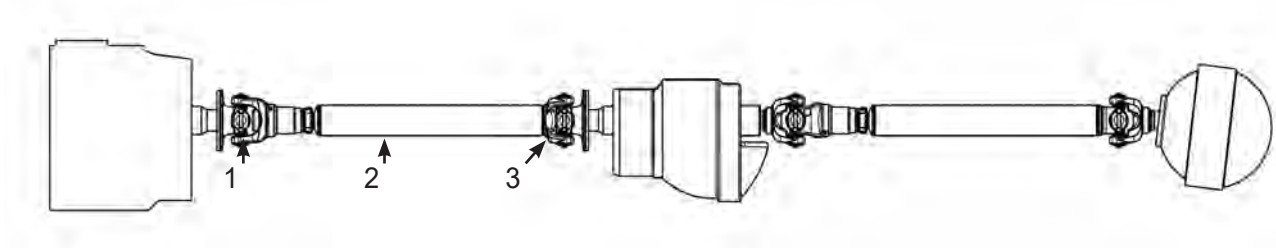
When measuring drivelines to determine U-joint angles, it is good practice to start out with a sketch showing the basic driveline and where measurements are to be taken. Before measuring any angles, the vehicle must be parked on level ground with all tires inflated to their normal operating air pressures. Block the front tires to prohibit movement and place the transmission in neutral (Make sure that the parking brake is released). It may be necessary to jack up a rear wheel so that the driveline can be rotated to get the.transmission output yoke ear parallel to the ground.
*Measure all angles on flat surfaces, which are clean and free from rust, scale or nicks.

The following is a typical procedure for determining U-joint operating angles:

1. Measure transmission output shaft angle and determine its direction (up or down), record.
2. Measure angle of driveshaft and determine its direction, record.
3. Measure angle of axle input yoke and determine its direction, record.
4. The difference between the transmission output shaft angle and the driveshaft angle is the transmission output U-joint operating angle.
5. The difference between the driveshaft angle and the axle input angle is the axle input U-joint operating angle.
6. Check difference of U-joint operating angle to make sure they are within 1° of each other.

Follow same pattern to determine U-joint angles in other driveshafts.

Below is a typical driveline arrangement and a sample U-joint angle calculation:



1. Transmission output angle = 3° (down)
2. Driveshaft angle = 4.5° (down)
3. Axle input shaft angle = 2.8° (down)
4. Difference between 3°(down) and 4.5°(down) = 1.5°This is the transmission output U-joint operating angle. (#1-#2)
5. Difference between 4.5°(down) and 2.8°(down) = 1.7°This is the axle input U-joint operating angle. (#2 -#3)
6. Difference between 1.5° and 1.7° = .2° <u>This is less than the recommended 1° maximum.</u> (#4-#5)

Table I - Driveline Centerline To Centerline
MAXIMUM LENGTH AT MAXIMUM RATED RPM BY SERIES

Series	Tube Size	Part No.	Max. RPM	Max. Length[1]
1000	2” x .083	N16-30-62	2500	54
1310	2”x 065	N16-30-32	6000	35
	2”x .083	N16-30-62	6000	35
	2”x 120	N16-30-102	6000	34
	2.5”x .065	N20-30-12	6000	39
	2.5”x .083	N20-30-22	6000	39
	2.16”x .065	N22-30-12	6000	41
	3”x .065	N24-30-82	6000	43
	3”x .083	N24-30-42	6000	43
	3.5”x .065	N28-30-42	6000	46
	3.5”x .083	N28-30-62	6000	46
1330	2.5”x .083	N20-30-22	5000	43
	3”x .065	N24-30-32	5000	47
	3”x .083	N24-30-42	5000	47
	3.5”x .083	N28-30-62	5000	51
1350	2.5’x .083	N20-30-22	5000	43
	2.75x.083	N22-30-22	5000	45
	3”x .083	N24-30-42	5000	47
	3.5”x .083	N28-30-62	5000	51
	2.5”x.120	N20-30-62	5000	39
1410	3”x .083	N24-30-42	5000	47
	35”x .065	N28-30-42	5000	51
	3.5”x .083	N28-30-62	5000	51
1480	3.5”x .083	N28-30-62	5000	51
	3.5”x .095	N2&30-22	5000	50
	4”x .083	N32-30-22	5000	54
1550	3.5”x .095	N28-30-22	5000	50
	4”x .083	N32-30-22	5000	54
1610	3.5”x .134	N28-30-92	4500	53
1710	3.5”x .156	N28-30-52	4500	53
	4”x .134	N32-30-52	4500	57
	4.095”x .180	N32-30-72	4500	57
1760	4”x .134	N32-30-52	4500	57
	4.095”x .180	N32-30-72	4500	57
1810	4.5”x .134	N36-30~62	4500	60
SPL170*	4.73”x.197	N110-30-5	4000	60
	4.96”x.118	N120-30-3	4000	60
SPL250*	5.06”x.167	N120-30-4	4000	60
	5.12”x.197	N120-30-5	4000	60
	5.20”x.236	N120-30-6	4000	60

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[1] Maximum centerline to centerline using a .75 safe speed factor generally accepted for medium and heavy duty trucks.

Table II- Universal Joint Torque Ratings

MAXIMUM OPERATING TOROUE CAPABILITY

SERIES	PART NUMBER	ELECTRIC MOTOR (LBS-FT)	FUEL APPLICATION (LBS-FT)	MAXIMUM RPM
1000	1-0170	75	50	2500
1210	1-0315	95	65	6000
1280	1-0350	140	95	6000
1310	1-0153	195	130	6000
1330	2-4800	220	150	5000
1350	2-0053	310	210	5000
1410	2-0054	375	250	5000
1480	3-0188	500	335	5000
1550	3-0155	640	420	5000
1610	4-0279	975	640	4500
1710	5-0280	1330	895	4500
1760	6-0407	1630	1095	4500
1810	6-0281	1850	1245	4500
3C	3-3152	295	200	5000
4C	3-4138	375	250	5000
5C	4-5122	640	425	5000
6C	4-6143	875	575	5000
7C	5-7205	1150	775	4500
8C	6-8205	1750	1175	4500
9C	6-9016	2700	1800	3000
10C	6-1007	3800	2550	2500
7260	1-6301	195	130	5000
7290	2-1175	260	175	5000
3R	2-3011	260	175	5000
SPL170*	6-1170	1650	1125	4000
SPL250*	6-1250	1940	1306	4000

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Table III - Operating Angles

Shaft RPM	Max Operating Angle	Shaft RPM	Max Operating Angle
1000	17°	3000	6°0’
1500	11°30’	3500	5°10’
2000	8°50’	4000	4°20’
2500	7°0’	4500	4°0’
		5000	3°20’

Basic Driveline Fabrication

TYPICAL TWO JOINT ASSEMBLY (1310 Series)

1. Stay within the boundaries of the five key elements in the basic driveline design procedures and precautions section.

2. Select appropriate components for the application. NOTE: We will use a typical hollow spindle lathe for assembly.

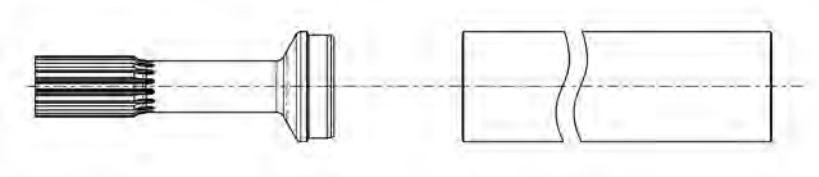
3. Cut the tubing to approximately 3/8 inch longer than the required length in a cutoff saw. Remove all burrs and weld flash from the inside of the tube.

4. Chuck the tubing in the lathe with approximately 2 inches protruding. Face the tubing to square it up, then chamfer I.D. and O.D.

5. Remove the tubing from the lathe and measure from the machined end to the required length. Scribe or mark the required length on the tube at two places (90 degree intervals).

6. Recheck the tubing with the marked end protruding from the chuck jaws approximately 2 inches. Rotate the tubing and mark the full diameter of the tube at the required length with a marker or grease pencil.

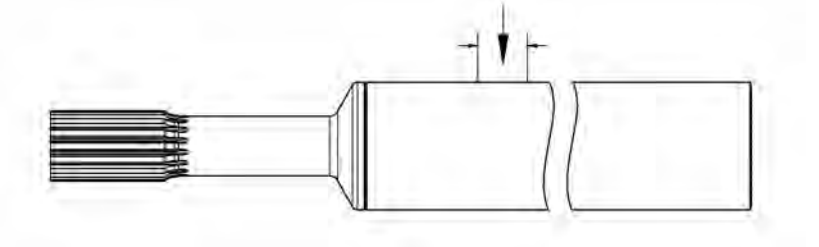
7. Face the tubi



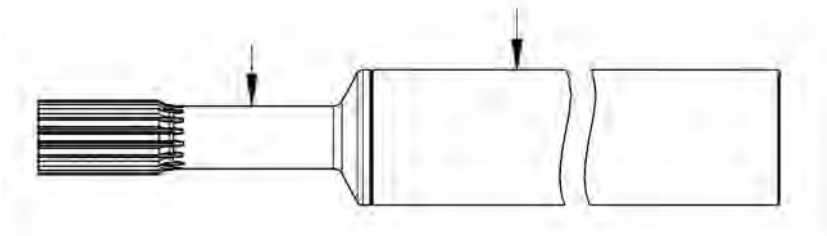
8. Remove the tubing from the lathe then tamp or press the slip stub into either end of the tubing. (NOTE: if tamping method is preferred, a lead plate should be the surface tamped against.)

9. Place back into lathe with approximately 3 3/4 inches of tubing protruding from the jaws and slip stub pointing toward the bed of the lathe.

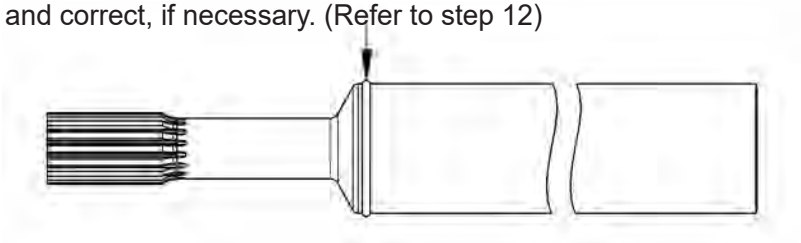
10. Move tail stock into position with center located into the center hole in the slip stub.



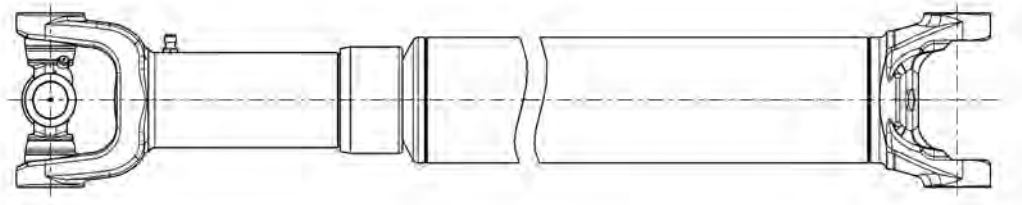
11. Clean the tubing approximately 3 inches from the slip stub around the full diameter of the tube. A 3/4 to 1 inch wide band will be sufficient. Emery cloth can be used.



12. Check the runout on the ground diameter of the slip stub and 3 inches in on the tubing (cleaned area) with a dial indicator.
    Maximum runout 3 inches on tubing = .020
    TIR Maximum runout slip stub = .005 TIR
    Correct, if necessary, to stay within the runout tolerance.
13. Tack weld in place at 90 degree intervals.
    NOTE: Insure that the bed of the lathe is protected from welded spatter whenever welding with component in the lathe.
14. Recheck runout and correct, if necessary. (Refer to step 12)

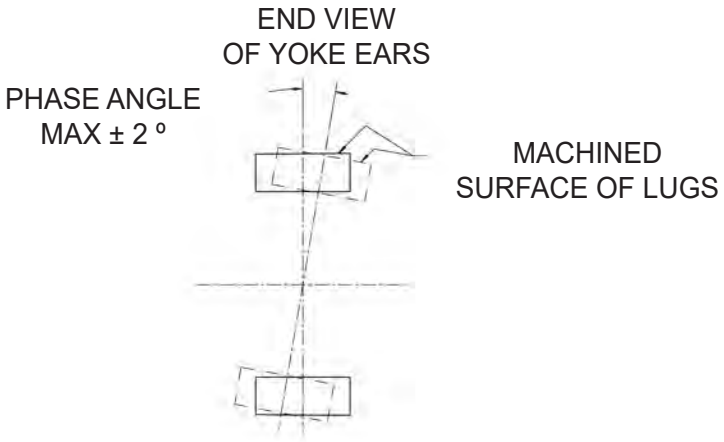


15. Weld single pass starting at the high point determined by the dial indicator.
16. Allow driveshaft to cool then recheck runout.
    NOTE: Do not use any oil, water or an air jet to cool the driveshaft.
17. Remove shaft from lathe and partially tap new tube yoke into tube.
    (a) The components must be properly phased at this time. (NOTE: Alignment arrows unique to Neapco slip yokes will ease the phasing procedure.)
    (b) Some driveshafts are manufactured with special phasing. In this case, the equipment manufacturer's service manual or specifications must be consulted to obtainphasing angles and tolerances.



18. Clamp shaft in a pipe vise with slip yoke temporarily assembled on the slip stub with the ear lugs of the slip yoke and tube yoke pointing upwards. Pipe vise should be on the tube yoke end of the shaft.

19. Support the opposite end of the shaft with an open steady rest near the slip stub on the tubing.

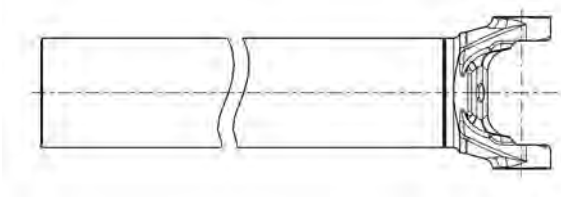


20. Place a straight edge on the machined surface of the lug on the slip yoke and align by eye with a second straight edge on the lug of the tube yoke. Correct if necessary.

21. Use a protractor level for final phasing. The cross holes of the 1310 Series drive line must be in line within plus or minus 2º maximum.

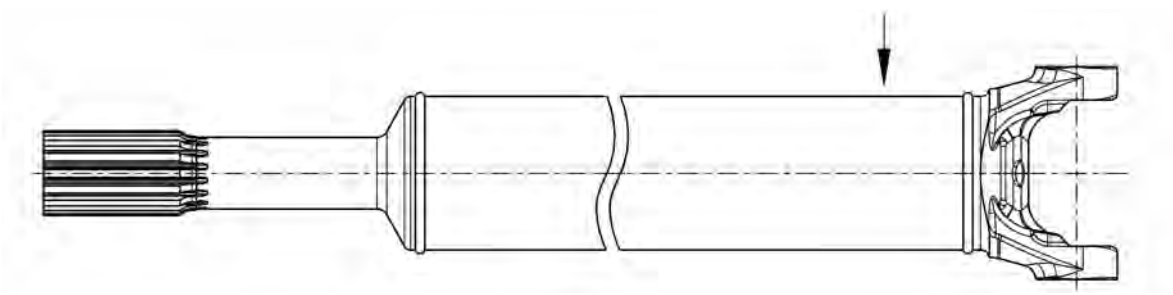
22. With tube yoke tapped into proper phasing, remove slip yoke and shaft from vise. Press or tamp tube yoke into position.

NOTE: Use a lead pad if tamping method is used.



23. Place the shaft back into the lathe with the proper fixturing (adapters), tube yoke towards the tail stock.

24. Clean the tubing approximately three inches from the tube yoke around the full diameter of the tube. A 3/4 to 1 inch wide band will be sufficient. Emery cloth can be used.



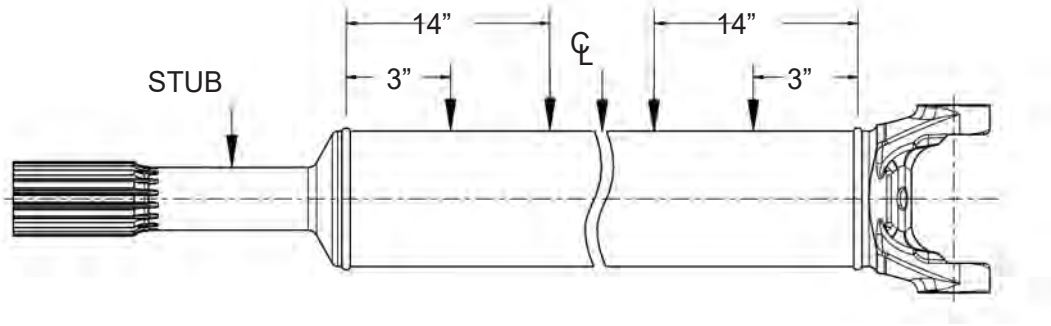
25. Check the runout three inches in on the tubing from the tube yoke end with a dial indicator. Maximum runout three inches on tubing = .020 TIR

26. Tack weld tube yoke in place at 90 degree intervals.
    NOTE: Insure the bed of the lathe is protected from weld spatter.

27. Recheck runout and correct, if necessary. (Refer to step 25)

28. Weld single pass starting at the high point determined by the dial indicator.

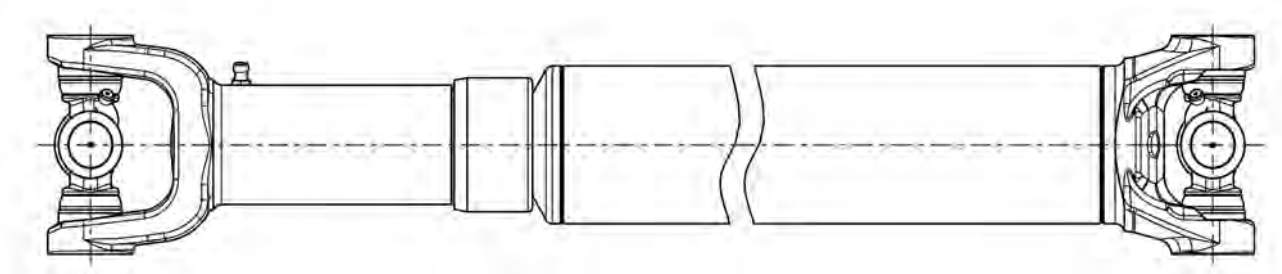
29. Allow driveshaft to cool then recheck runout.
    NOTE: Do not use any external cooling methods, i.e. water, oil or air jets.



30. Adapt assembly to centers in the lathe and clean 3/4 to one inch wide bands using emery cloth at 14 inches from each weld on the tube and in the center of the tube. Check the runout at the following areas with a dial indicator:

    -MAXIMUM RUNOUT THREE INCHES FROM EACH WELD = .020 TIR
    -MAXIMUM RUNOUT 14 INCHES FROM EACH WELD = .010 TIR
    -MAXIMUM RUNOUT ON GROUND DIAMETER OF SLIP STUB = .005 TIR
    -MAXIMUM RUNOUT AT CENTER OF TUBE (OVER 30”) = .010 TIR
    -MAXIMUM RUNOUT AT CENTER OF TUBE (UNDER 30”) = .020 TIR

NOTE: Do not include tubing ovality.
    Refer to driveshaft straightness tolerances section for other series

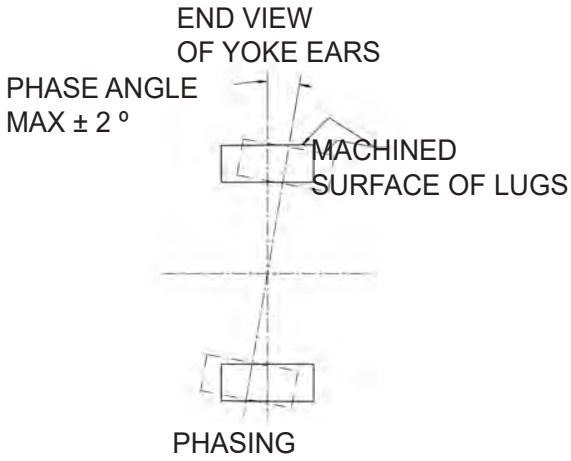


31. Assemble U-Joints and slip yoke into the newly fabricated driveshaft making sure that alignment arrows match up. Balance to specification. Balancing will vary depending on the type of balancer being used. Refer to the manufacturer's procedure for the type of equipment being utilized.
32. Paint the completed driveline and place a decal or sticker on it with your shop logo.

This procedure describes a typical 1310 two-joint assembly fabrication. Methods may vary due to type of equipment utilized. The method may also be followed when repairing a driveline: Simply follow the appropriate steps pertaining to the components in need of replacement. —To fabricate other than 1310 Series refer to the appropriate series data where noted in each procedure.

ALWAYS REPLACE DAMAGED COMPONENTS
ADHERE TO ALL SHOP SAFETY PROCEDURES
ALWAYS STAY WITHIN SPECIFIED TOLERANCES
ALWAYS BALANCE YOUR DRIVELINE

Phasing Specifications



The cross holes of all two joint driveshafts must be in line within ± 2º Maximum.

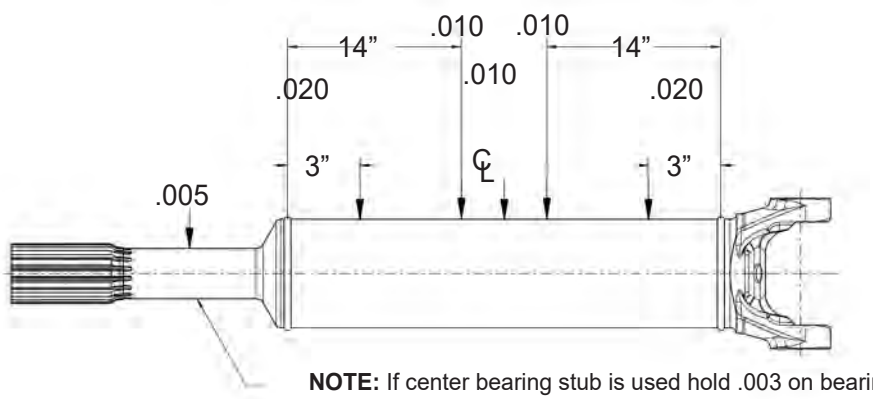
Driveshaft Straightness Tolerances

1000 THRU 1480 — ALSO 7260, 7290, 3R, AND 3C

After welding, runout (not to include tubing ovality) should never exceed the TIR (total indicator reading) as detailed below.

FOR TUBE LENGTH OVER 30”

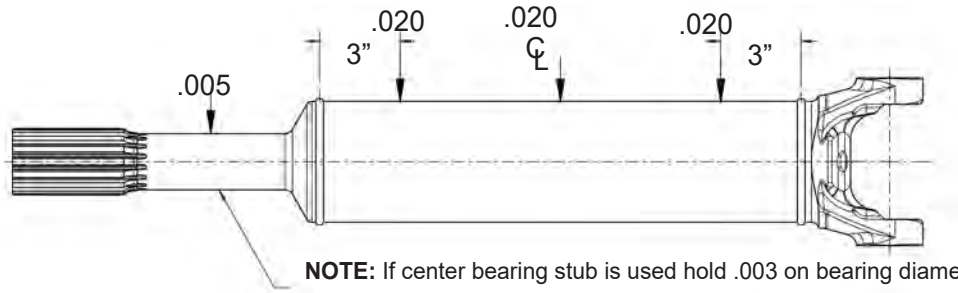
MAXIMUM RUNOUT 3 INCHES FROM EACH WELD = .020 TIR
MAXIMUM RUNOUT 14 INCHES FROM EACH WELD = .010 TIR
MAXIMUM RUNOUT ON GROUND DIAMETER OF SLIP STUB = .005 TIR
MAXIMUM RUNOUT ON BEARING DIAMETER IF CENTER BEARING STUB IS USED = .003 TIR
MAXIMUM RUNOUT AT CENTER OF TUBE = .010 TIR



NOTE: If center bearing stub is used hold .003 on bearing diameter

FOR TUBE LENGTH UNDER 30”

MAXIMUM RUNOUT 3 INCHES FROM EACH WELD = .020 TIR
MAXIMUM RUNOUT AT CENTER OF TUBE = .020 TIR
MAXIMUM RUNOUT ON GROUND DIAMETER OF SLIP STUB = .005 TIR
MAXIMUM RUNOUT ON BEARING DIAMETER IF CENTER BEARING STUB IS USED = .003 TIR



NOTE: If center bearing stub is used hold .003 on bearing diameter

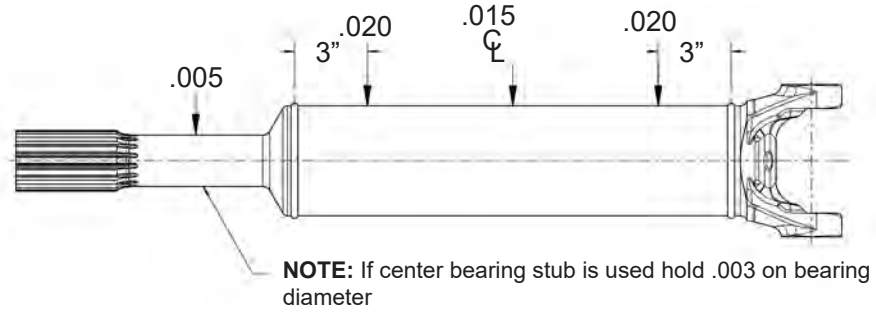
Driveshaft Straightness Tolerances

1550 THRU 1810 — ALSO 4C THRU 10C

After welding, runout (not to include tubing ovality) should never exceed the total indicator reading as detailed below.

FOR ALL TUBE LENGTHS

MAXIMUM RUNOUT 3 INCHES FROM EACH WELD = .010 TIR
MAXIMUM RUNOUT ON GROUND DIAMETER OF SLIP STUB = .005 TIR
MAXIMUM RUNOUT ON BEARING DIAMETER IF CENTER BEARING STUB IS USED = .003 TIR
MAXIMUM RUNOUT AT CENTER OF TUBE = .015 TIR



NOTE: If center bearing stub is used hold .003 on bearing diameter

Lubrications

WHY LUBRICATE?
Proper lubrication of any moving parts in a driveline is essential to keep the driveline in proper working order and to obtain an acceptable service life.

WHAT SHALL I LUBRICATE?
All universal joints, slip yoke and stub shaft assemblies, as well as centering kits in CV heads should be greased regularly.

HOW?

Universal Joints
Secure grease gun on grease fitting and pump in grease until all four bearings are lubricated. To check for this, make sure that all four seals have purged out air and old grease. Grease until fresh grease appears at the base of all four seals. If a seal does not purge properly, move the driveline to free up the end to end clearance of the bearing cup. On bearing plate style U-joints, it may be necessary to loosen the bolts two or three turns to allow grease to flow. If the joint still does not grease properly, disassemble the kit to determine the source of the problem.

Slip Yoke and Stub Shaft Assemblies
Before putting the slip yoke onto the stub shaft, coat both parts uniformly with a layer of grease. After assembly, but before installation into vehicle, fully collapse the driveline and apply grease to the grease fitting until it comes out of the vent hole in the welch plug. Cover the hole and continue greasing until grease appears at the seal.
At relubrication it may be impossible to fully collapse the driveline. Follow the same general greasing procedure but be careful not to overfill. Overfilling may cause the welch plug to pop out during operation.

Centering Kits
A special needle nose grease gun adapter is needed to grease the flush type fitting on centering kits. Apply grease until fresh grease appears at purge hole or at ball seal.

WHEN SHALL I LUBRICATE?
Frequency of lubrication is determined by the type of service which the driveline is subject to. A list of recommended relube cycles for various service conditions is shown below:

Service Conditions	Re-lube Period	Approximate Miles
City	Every 3 Months	6,500
Highway	Every 3 Months	15,000
Off Highway	Every 1 Months	6,500
Line Haul	Every 3 Months	20,000-30,000
Off Highway 4x4	Every 1 Month	2,500

(Relube on period or miles, which ever comes first)

WHAT TYPE OF GREASE SHOULD I USE?
A good quality Lithium Complex soap type EP (extreme pressure) grease, with an NLGI grade2, is recommended.

General Procedures For Assembling Aluminum Driveshafts

Tools Required:

Push-Up Press or Enerpac Hydraulic Press
Centering Tools (Available from Neapco)
“Weld Aid” Cleaning Agent

Assembly procedures for aluminum driveshafts are similar to the procedures Driveline Specialists are familiar with. The most significant difference is the set-up of the welding equipment to allow successful welding of aluminum. Neapco recommends that the Driveline Specialist contact the manufacturer of their welding equipment for set-up specifications and training for welding aluminum.

Preparing the Components:

The tubing and tube weld yokes should be clean and free of burrs. Aluminum is fragile compared to steel, so be careful when handling these components during and after assembly.

1. Chamfer the I.D. of the aluminum tubing to remove any burrs or sharp edges.
2. Clean the inside and outside of the aluminum propeller shaft tubing – a minimum of 2” in from each end using “Weld Aid” cleaning agent or similar cleaning product available from your local welding supply source. Repeat this cleaning procedure for the entire surface of both turned diameters on the aluminum tube weld yoke.
3. Wash both ends of the tubing and tube weld yoke in clean water. Wipe the I.D. and O.D. end of the tubing and the entire tube yoke with a clean, dry towel or cloth until completely dry. Note: Successful welding of aluminum is directly related to cleanliness. Towels or cleaning clothes should be used for aluminum work only and changed frequently. Rinsing water should be placed in a clean container and changed when any signs of contamination are evident. Oil, grease or any foreign material will cause a potential blow hole in the weld.
4. Using a push-up machine or Enerpac and fixtures specifically designed for driveshaft fabrication, assemble the aluminum tube weld yokes into the tubing. Correct phasing (alignment of the yoke ears) is critical to the satisfactory performance of the driveshaft. Adjust phasing so that the yoke ears are in line with each other. (This can be checked with a precision level.) Adjust, if necessary, before proceeding to press.
5. A .090” gap (approximately twice the thickness of the weld wire) should be left between the turned shoulder of the tube weld yoke and the end of the tubing. Spacers should be made for both ends and inserted into the gap between the two components to avoid over pressing. Press until shim stock is snug at both ends, but avoid over pressing. After removing shim stock there should be a minimum of .090” gap.
6. The assembled driveshaft is now ready to be set up for welding. The rotation rate should be set for the tube size you are welding.

Approximate Tube Rotation Rate

Tube Dia.	RPM	Seconds Per Rev.
3.0”	3.18	19
3.5”	2.73	22
4.0”	2.39	25
5.0”	1.60	32

General Procedures For Assembling Aluminum Driveshafts

The rotation rate is a guideline. Neapco recommends that you contact the supplier of your welding equipment or your local welding supply service for set up of your specific equipment.

A dial indicator should be used to check the runout at each end of the tubing. Using a dead blow hammer tap over the joint between the tube weld yoke and the tubing until the runout is close to 0.000" as possible, but not to exceed .005". This will help to keep the finish welded assembly within .010" TIR at the welds. The middle of the tube should have no more than .015" runout.

Tube Straightening Hint – An arbor press with a 2 ft. piece of wood mounted on the ram with a "V" cut in it to fit over the O.D. of the tube can be used to over press the tubing in the opposite direction of the measured runout. This extra step will not only ease the balancing operation; it is sound driveshaft fabrication practice.

7. The weld gun tip should be aligned with the center of the gap between the tube weld yoke and the tubing. The wire should be perpendicular to the tube/tube yoke surface and at a 12o-15o angle from the centerline of the tubing. The weld should start and end (with ½" overlap) in line with one of the yoke ears. The driveshaft is now ready to weld. Neapco recommends formal training in aluminum welding from your equipment supplier. There is no substitute for practice and hands-on experience.
   After the shaft has cooled, the welds should be visually inspected. Any visible porosity is a sign that some contamination was present. Visible porosity in an aluminum weld is a sign of a potential failure point. Any sign of an inferior weld other than an occasional small pin hole should be cause for replacement of the product.

Balancing the Aluminum Driveshaft

1. Assemble end connections to the driveshaft (slip yoke and pinion yoke, if available). Balance the assembly to .250 oz./in. maximum at each end of the shaft.
2. Position the appropriate balance weight on the barrel / shoulder area of the yoke or yokes. Balance weights may be taped in place, using fiber reinforced duct tape, full length around the yoke barrel / shoulder area.
   The driveshaft should be rechecked for proper specifications (within .250 oz./in. total at each end).
3. After verifying correct balance performance, the balance weights should be attached. While aluminum balance weights may be attached by spot welding, or epoxy. If using epoxy, Neapco recommends using a two-part chemical Epoxy bond for attaching balance weights. The exact position of the weights should be marked for reinstallation while removing the duct tape. Using Epoxy Quik-Bond from J-B Weld or similar product, coat each surface with a thin layer of the epoxy. The balance weight should carefully be pressed into position. The weight must not be disturbed after installation. The shaft should be set aside until initial curing occurs. The weight should then be taped in place untill the epoxey has ample time to dry before the driveshaft is installed in the vehicle. Note: There are many fast dry epoxies on the market today. Choose the proper product for your needs.

Auxiliary Power Take-Off Technical Information

POWER-TAKE-OFF (PTO) BASICS

An auxiliary power-take-off shaft transmits power from the source to the driven accessory. The shaft must be capable of transmitting the peak torque and maximum R.P.M. required by the accessory, while withstanding any shock loads. The information in this publication is focused on 1000 and 1310 series auxiliary power-take-off products.

An auxiliary power shaft operates through constantly changing angles between the power source and the driven accessory. Chassis twisting and power train deflections due to torque contribute to these changes in operating angles. This deflection also will cause changes in the length of the auxiliary power shaft. Including a slip member (slip yoke and spline stub shaft) in the driveline system accommodates this.

Joint operating angles are very important considerations in the configuration of an auxiliary power-take-off application. The service life of the universal joint is directly affected by the operating angles experienced in the completed system. Guidelines for permissible operating angles are identified in the accompanying chart.

UNIVERSAL JOINT OPERATING ANGLES

SHAFT RPM	MAXIMUM NORMAL OPERATING ANGLE	SHAFT RPM	MAXIMUM NORMAL OPERATING ANGLE
500	17°	2500	7°
1000	17°	3000	6°
1500	11°	3500	5°
2000	8°		

SPECIFYING SHAFT TYPE

Applications in auxiliary PTO use either solid shafting or tubular driveshaft assemblies.

Neapco tubular auxiliary PTO shaft kits are manufactured using 2” diameter by .083” wall (2” x .083) tubing. These unwelded assemblies are convenient for fabricating different length driveshaft requirements as needed. Neapco recommends using tubular auxiliary PTO shafts whenever possible. Neapco tubular shafts are designed to reduce vibration as a dynamically balanced assembly. Minimizing vibration increases the service life of the driveshaft, universal joints, bearings in the driving and driven units and helps keep end connections secure.

Solid shafting should only be used in auxiliary power-take-off applications designed for 1,000 R.P.M. or less intermittent service.

INSTALLING A PTO DRIVELINE

When installing a remote-mount PTO, one requiring a propeller shaft (driveline), please observe that there is a slight angle of inclination to the engine, and that you must install the driven shaft of the pump parallel to the PTO output shaft. In addition, the yokes of the PTO driveshaft should be in line, in phase, and in the same plane.

Auxiliary Power Take-Off Technical Information

Some light-duty under body hoist applications use a pump and tank combination, and there are many large tank trucks which have pneumatic blowers. Both require a level horizontal installation, making parallel input and output shafts difficult to configure. The correct remedy for this common driveline problem is to use a two-piece driveshaft. In close-coupled applications a center yoke assembly may be necessary to provide correct phasing and angularity.

To properly measure the driveline angle, use a bubble or digital protractor to determine TRUE JOINT ANGLE, which is a composite of vertical and horizontal components. This can also be calculated by measuring and using trigonometry. We recommend that you install with at least a two-degree angle, to insure that oscillations will properly rotate the needle bearings in the u-joints.

If a long driveshaft is necessary then critical speed problems must be taken into consideration. The solution is to use more than one driveshaft, installed with center support bearing assemblies, and design the driveshaft lengths to avoid critical and half-critical speeds. Usually the best solution is to install 60% of the driveline closest to the source of power, or the driving end, with the remaining 40% toward the driven end. Pillow blocks, flange bearings or hanger bearings used in two-piece driveshafts must be mounted solidly to the chassis.

WHERE TO INSTALL THE SLIP JOINTS

The purpose of the slip joint (slip yoke and spline stub shaft) is to allow proper flexing of the universal joints as they rotate through the entire circle of operation. If a slip joint is not installed, or if it is corroded from lack of lubricant, then severe stresses are imposed upon the bearings and seals in the PTO and pump. An additional purpose of the slip joint is to allow flexing of the chassis without putting lateral loads on the bearings and seals. Bearing and seal damage in PTOs and pumps, and overheating is nearly always attributable to driveline problems.

Our recommendation is that if you have enough space, ***the slip joint should be installed on the end closest to the PTO.*** If the PTO is inadvertently left in gear, the slip joint may leave the shaft during overspeeding, or operating above critical speed.

CAUSES OF DRIVELINE FAILURES

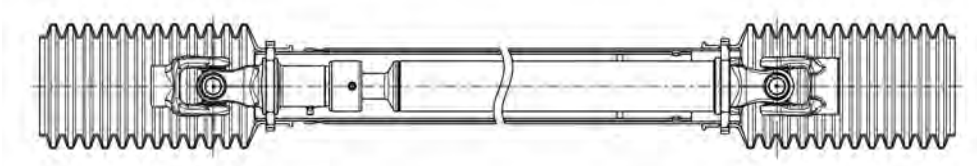
To review u-joint and driveline problems, most failures will be a result of one or more of the following:

EXCEEDING TORQUE OR LOAD RATING
LACK OF LUBRICANT OR DIRTY LUBRICANT
HIGH DEGREE OF ANGULARITY
U-JOINTS NOT IN PHASE
U JOINT ANGLE NOT EQUAL
DRIVELINE NOT ALLOWED TO SLIP
DRIVELINE OUT OF BALANCE

If you must use a driveline, it is our recommendation that you use tubular assemblies, and that you purchase from a certified driveline specialist.

Neapco Auxiliary PTO Driveshaft Shielding System

Neapco®, has developed an Auxiliary PTO Driveshaft shield System that is compatible with many 1000 and 1310 Series power-take-off applications. The system consists of four (4) basic components that combine to form a total driveline enclosure system.



N10270-SF and N10271-SF are equipped with grooves for shield bearings. For all other part numbers choose the appropriate mounting collars.

1) A series of Bearing Races (collars) for installation on the driveshaft assembly by tack welding.

2) Flex Bell™ Yoke Enclosures with over 8” of coverage featuring fluted construction for easy length adjustment by cutting, providing custom installations.

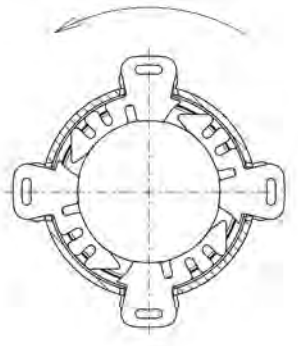
3) Inner (2.75” O.D.) and Outer (3.00” O.D.) Telescoping Plastic Shield Tubes complete with bearing slots (4) and Danger Label. Designed for easy length adjustment by cutting to desired length with bearing slots aligned with bearing races (collars) mounted on the driveshaft. These shields must overlap (telescope) at least 5” or more, if design allows. To accomplish this the shield tube should be cut at least 2 1/2” past the center of the driveshaft with the bearing slots aligned with the bearing race (collars) on the driveshaft.

4) Inner (4) and Outer (4) Shield Bearing Sets. These bearing sets lock the Flex Bell™ Yoke Enclosure to the mating shield tube through the aligned slots and ride in the bearing races on the driveshaft collars.

Assembly is easily accomplished after a short orientation to the system. Disassembly (for service work or lubrication) takes only a few minutes with a blade screwdriver.

Shield Bearings must be installed properly in regards to the rotation of the driveline. This prevents the Shield Bearings from loosening or popping out of the Bearing slots.

DIRECTION OF ROTATION



Troubleshooting Guide

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. Fractured cross or trunnion or bearing cup.	A. Excessive running load. B. Shock load. C. Insufficient joint capacity. D. Excessive running angle.	A, B & C, Replace with higher capacity driveshaft and U-joint. D. Reduce U-joint angle.
2. Early life U-joint failure	A. Inadequate lubrication. B. Seal failure. C. Excessive running angle and excessive speed. D. Excessive running load.	A Lubricate at minimum recommended intervals with recommended lubricant. B. Replace U-joint. C. Reduce running angle. D. Replace with higher capacity driveshaft and U-joint.
3. Galling of U-joint trunnion end and bearing cup pad.	A. Excessive running angle and excessive speed. B. End to end fit too tight. C. Inadequate lubrication.	A. Reduce U-joint angle. B. Replace U-joint. If replacement kit is tight, check yoke alignment and lockup size: replace yoke. C. Lubricate at minimum recommended intervals with recommended lubricant.
4. Brinnelling of bearing surfaces.	A. Normal fatigue wear. B. Excessive running angle and excessive speed. C. Excessive running load. D. Needle skewing. E. Improper running angle. F. Inadequate lubrication.	A. Replace U-joint. B. Replace U-joint angle. C. Replace with higher capacity driveshaft and U-joint. D. Replace U-joint; check for yoke distortion. E. Maintain minimum recommended running angle (typically 1°). F. Lubricate at minimum recommended intervals with recommended lubricant.
5. Slip assembly seizes up.	A. Inadequate lubrication. B. Seal failure.	A, B. Replace components. Lubricate at minimum recommended intervals with recommended lubricant.

Troubleshooting Guide

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
6. Slip assembly galling.	A. Seal failure leading to contamination. B. Excessive running load. C. Inadequate driveline design; length of spline engagement too short, normal running condition with spline at pulley extended position.	A. Replace assembly. B. Replace with higher capacity driveshaft and U-joint. C. Increase length of spline engagement with longer splined stub. Review driveshaft length requirements and rebuild with stub spline centered in yoke at normal running condition.
7. Stub shaft or tubing failure in torsion.	A. Excessive running load. B. Shock load. C. Inadequate driveline design: tube size too small.	A, B, C. Replace with higher capacity driveshaft.
8. Failure at tube weld.	A. Improper weld. B. Excessive running load. C. Balance weight welded too close to tube weld.	A, C. Replace tube. B. Replace with higher capacity driveshaft.
9. Yoke ear failure.	A. Ear, contacted yoke ear of other yoke in assembly while running.	A. Reduce running angles; use yoke with higher angle rating.
10. Yoke hub failure.	A. Excessive running load. B. Excessive secondary couple loads.	A. Replace with higher capacity driveshaft. B. Reduce running angles.
11. Center support bearing failure.	A. Seal failure. B. Mated with an oversized stub shaft	A, B. Replace with new components.
12. Center support rubber cushion failure.	A. Misalignment. B. Located too close to heat source.	A. Replace and align. B. Shield from heat or move away from heat source.
13. Driveline vibration.	A. Improper assembly. B. Excessive or unequal running angles. C. Defective U-joint. D. Driveshaft out of straightness and balance specifications. E. Worn slip assembly components. F. Driveline length exceeds maximum for speed range.	A. Make sure all snap rings or bolts are fully seated or torqued properly. B. Reduce and equalize running angles. C, E. Replace with new components. D. Straighten and balance. F. Redesign using larger diameter tubing or two piece driveline.

Glossary of Common Terms

Bearing Plate — A retainer plate fixed to the back of a round bearing used to position the bearing in the yoke.

Balancing — A procedure in which the distribution of mass in a rotating body is checked and altered where necessary to ensure that vibration does not occur during operation.

Ball Seat — A full or segmented angular contact bearing located in a socket that supports and centers the ball stud.

Ball Stud — A yoke generally used in CV applications which incorporates a stud onto which a ball is mounted.

Brinnelling — Failure that occurs when the static forces between two curved surfaces in contact result in local yielding of one or both mating members to produce permanent surface discontinuity. Example: Needle roller indents on a u-joint trunnion or trunnions.

Cardan Universal Joint — A non-constant velocity universal joint consisting of two yokes connected by a cross through four bearings and driveable by external sources.

Center Support — A rolling bearing element surrounded by rubber, mounted in a bracket configuration used to mount the support to an outside structure.

Centering Socket Yoke — A yoke assembly that functions as a self-aligning bearing and provides support and a means of centering in double cardan universal joints.

Companion Flange — A flanged member that attaches a driveline to drivetrain components, typically affixed by some bolt-together method.

Critical Speed — The speed at which the rotational speed of a shaft coincides with the natural vibration frequency of the shaft, causing a dynamically unstable condition.

Cross and Bearing Kit — Drive member with four equally spaced trunnions in the same plane and four bearing cups with attaching parts. Also referred to as a universal joint kit or u-joint kit.

Cross Hole — A through hole located in each ear of a yoke used to locate a round bearing.

Double Cardan Universal Joint — A near constant velocity universal joint consisting of two trunnion type Cardan universal joints whose trunnion yokes are connected by a coupling yoke or H-yoke with internal supporting and centering means.

Glossary of Common Terms

Driveline	An assembly of one or more driveshafts with provisions for axial movement, which transmits torque and/or rotary motion.
Driveshaft	An assembly of one or two universal joints connected to a solid or tubular shaft member.
Driveshaft Length Center to Center	The distance between the outermost universal joint centers on a driveshaft.
Drive Train	Term used for the unit of all components from the Transmission to Rear differential. Also referred to as Power Train.
Ear	One of two projecting parts of a yoke symmetrically located with respect to the rotational axis.
End Yoke	A yoke which attaches a driveshaft to another drive train component such as the transmission.
Flange Yoke	The yoke which attaches the driveshaft assembly to a companion flange.
Flinger	A protective shield used in front of and behind the bearing and rubber on many center supports and end yokes.
Galling	Failure that occurs when two sliding surfaces are subjected to such a combination of loads, sliding velocities, temperatures, environments, and lubricants, that massive surface destruction is caused by welding and tearing, plowing, and gouging. Example: Bearing cup/trunnion end galling on a cross and bearing kit.
H-Yoke	A double yoke which connects the two halves of a double cardan universal joint.
Half Round Yoke Cross Hole	A semicircular hole located on the end of each ear of some end yokes and used to locate a round bearing.
Hub	The central part of a yoke used for attachment to another member.
Inside Lock-up	Term referring to either a cross and bearing kit or a yoke that utilizes a snap ring seated in a groove in the bearing cups and located inside the yoke ears to retain the kit in the yoke.
Joint Angle	The angle described by the intersection of rotational axis of the input and output members of a universal joint and measured on the same plane described by these areas.
Liner	A sound and vibrational deadening material added to the inside surfaces of a tube.

Glossary of Common Terms

Lock-Up The dimensional distance between the two retaining surfaces in a driveline component used to locate the bearing surfaces.

Midship Stub Shaft. A short shaft, generally splined, used in applications requiring more than one driveshaft. It mounts through the center of a support bearing and allows an additional driveshaft component to be fixed.

Outside Lock-Up Term referring to either a cross and bearing kit or a yoke that utilizes a retaining ring in a groove near the outside edge of the yoke ear, rested against the outside face of the bearing cup.

Phase/Phase Angle The relative positioning of the universal joint yokes on a driveshaft or driveline.

Retaining Ring A removable ring used as a shoulder to retain and position a round bearing in a hole.

Ring Groove The surface used for positioning a round bearing with a retaining ring.

Round Bearing Consists of a round bearing cup with needle rollers designed to ride on a trunnion.

Seal A flexible member which prevents the escape of lubricant and the entrance of foreign matter.

Slip Movement A permissible length of axial movement.

Slip Stub Shaft A short, machined shaft, generally splined, which, when used with a slip yoke allows axial movement.

Slip Yoke A yoke which allows axial movement.

Snap Ring Same as retaining ring.

Strap Bearing Clamp A semi circular device that conforms to the bearing profile holding them in place in half round and some DC yokes.

Swaged Tubing A tube with one or both ends having a smaller diameter then the middle section.

Swing Diameter The maximum diameter of the circular path described by a rotating universal joint.

Thrust End The end of a cross trunnion used as a thrust surface.

T.I.R. Total Indicator Reading on a specific point thru 1 revolution of a shaft.

Torsional Damper A mechanical device, generally an inertia ring, attached to a drivetrain component by means of a rubber inner ring to minimize driveline vibration in addition to balancing.

Glossary of Common Terms

Trunnion	One of four projecting journals of a cross.
Tubing	The tubular connecting member of a driveshaft.
Tube Diameter	The outside diameter of a tube.
Tube Yoke	A yoke with a piloting hub for attachment of a tube.
U-Bolt	A clamping bolt with two parallel threaded legs used to retain a round bearing in certain end yoke designs.
Universal Joint	A device which can transmit torque and/or rotary motion from one shaft to another at fixed or varying angles of intersection of the shaft areas.
Wall Thickness	The measurement between the inside and outside diameter of a tube.
Weld Yoke	Same as tube yoke.
Wing Bearing	A member with a key and projecting wings used as the bearing base and positioning the thrust end of a cross trunnion.
Yoke Shaft	A one piece member designed to incorporate a tube yoke, tubing and stub shaft. It is used in close-couple applications and eliminates the need to use tubing.
Zerk	A lubrication fitting, usually threaded into a driveline component that will allow grease to be injected into the component, but does not allow grease to escape.

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I Q Z M S F I E S T A F O C U S A T
N J L O I X X E X P E D I T I O N J
S X W N E C O S P O R T Y U K O N V
I T S D R R A V I A T O R A N F T G
G D L E R J Y Y F F G D B C M V R A
N X D O A N A V I G A T O R E T A L
I S I L V E R A D O T D T V G S N A
A P B M U S T A N G J U Q K A K S X
S H E X P L O R E R H C B G N O I Y
X G M N E C O N O L I N E H E D T B
N X N J C O L O R A D O Q P N A A Y
A M U S T A N G S V T Y T N O N U Q

Find the following words in the puzzle.
Words are hidden → ↓ and ↘ .

AVIATOR
COLORADO
ECONOLINE
ECOSPORT
EXPEDITION
EXPLORER
F-150
FIESTA
FOCUS
GALAXY
INSIGNIA
MEGANE
MONDEO
MUSTANG
MUSTANG SVT
NAVIGATOR
SIERRA
SILVERADO
SKODA
TRANSIT
YUKON

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V E N K A W A S A K I I H H H G C S
P X G R A N D W A G O N E E R K K M
O G F O R A M M O P E L X T M Q Q I
L A N F F M E R C E D E S B E N Z N
A T R U S T E D A U D I S P A F H I
R Y T E S T E D J V X V V M K D J E
I P C N H Y S J O H N D E E R E E N
S C Y G R A N D C H E R O K E E E T
V O L K S W A G O N Y L U C I D P O
F O G N I S E R I E S Y K O P L H G
O N I G H O N D A K A R M A J J J G
O T U S A V F Y O K E L W F C A Y B

Find the following words in the puzzle.
Words are hidden → ↓ and ↘ .

AUDI
CNH
FCA
GRAND CHEROKEE
GRAND WAGONEER
HONDA
I20
JEEP
JOHN DEERE
KARMA
KAWASAKI
LUCID
MERCEDES BENZ
MINI
OPEL
POLARIS
RAM
3 SERIES
TESTED
TOGG
TRUSTED
USA
VOLKSWAGON
YOKE

Notes

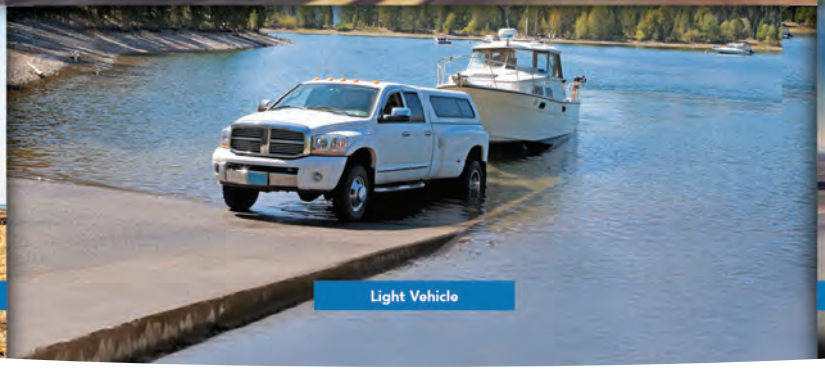
Notes


Off-Road / ATV / UTV


Commercial Vehicle


Industrial


Off-Highway-Ag


Light Vehicle


Performance

Notes

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