

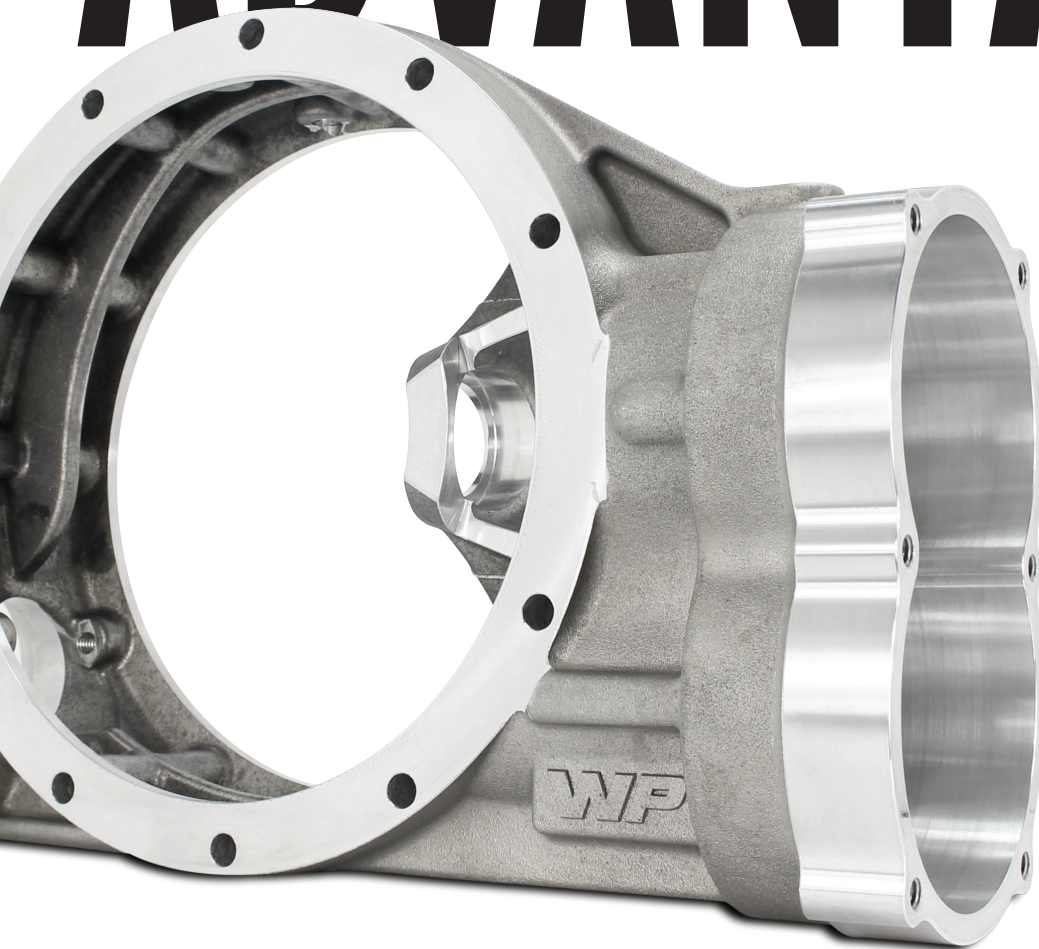


# DRIIFT

QUICK CHANGES AND DRIVELINE COMPONENTS



# ADVANTAGE!!!



## THE PERMANENT MOLD ADVANTAGE

We've raised the bar with our Permanent Mold Independent diffs—the **strongest production quick changes on the market.**

In addition to being **structurally reinforced to strengthen high-stress areas**, the most significant improvement is in the A356-T6 aluminum castings. **Permanent Mold casting is a state-of-the-art process** that achieves **stronger mechanical properties** (tensile, yield, and elongation), **tighter tolerances**, and **better density and grain structure** than is possible with the sand casting process used for all other quick change centers on the market. **The result is the strongest quick change available.**

## REINFORCED CENTER SECTION FEATURES

- **Thicker and longer internal ribs** extending into the front snout and rear gear cavity
- **Dual support ribs** between the change gear cavity and the ring gear cavity
- **Larger fillets (thicker metal)** at mounting flanges for added torsional strength

## MECHANICAL PROPERTY COMPARISON

| Sand Cast ASTM A356-T6 Alum | Sand Cast ASTM AZ91E-T6 Mag | Permanent Mold A356-T6 Alum (lab tested) | % Increase vs Sand Cast Alum | % Increase vs Sand Cast Mag |
|-----------------------------|-----------------------------|--|------------------------------|-----------------------------|
| Tensile: 34,000             | Tensile: 34,000             | Tensile: 38,400                          | + 13%                        | + 13%                       |
| Yield: 24,000               | Yield: 16,000               | Yield: 32,400                            | + 35%                        | + 103%                      |
| Elongation: 3.5%            | Elongation: 3%              | Elongation: 5%                           | + 43%                        | + 67%                       |

\*ASTM – American Society for Testing and Materials

\*\*Permanent Mold center sections tested by an independent lab (report available on request).



Scan QR code or click Video #05 on [wintersperformance.com](http://wintersperformance.com) to watch our new Permanent Mold center sections being cast



**ADVANTAGE IS AT THE HEART OF COMPETITION. IT'S THE EDGE THAT PUTS ONE RACER IN VICTORY LANE AND THE OTHERS ON THE TRAILER. WINTERS QUICK CHANGES HAVE AN ADVANTAGE. SEVERAL, ACTUALLY. KEEP READING.**

## WHAT'S THE ADVANTAGE OF NEAR NET SHAPE FORGING?



Our latest side bells are **Near Net Shape (NNS) Forged 2014-T6 Aluminum**. NNS means that the raw forging (left) is as close in shape to the finished, machined part (right) as possible. The strength of a forging is partially due to the grain structure that is established in the forging process. Using **NNS forgings** means *only* the **mounting surfaces and integral oil check/fill ports on our bells are machined**. The rest of the forging, like the critical crown of the bell, remain as-forged for increased strength (machining a forged surface like the crown cuts into the metal's grain structure, exposing the grain ends and making parts susceptible to cracking and fatigue). Also, **2014-T6 aluminum exceeds ASTM 6061-T6 aluminum by 56% tensile strength, 50% yield and 8% elongation.**



### Standard Equipment and Options on All Full-Size Winters Independent Quick Change Diffs:

*\* indicates a quick change industry exclusive*

- Permanent Mold A356-T6 aluminum center section\*
- Near Net Shape\* Forged 2014-T6 aluminum side bells
- Ground 9310 ring & pinion\*
- Hardened steel or optional 350M\* lower shaft
- Timken® or NTN® bearings
- ARP® ring gear bolts
- Forged 4340 steel output flanges (standard 31-spline 930 or optional 35-spline 930 and 934-style)
- Steel-lined forged 7075 aluminum spools\* (standard 31-spline or optional 35-spline)
- Forged 1350-series yoke
- Standard As-Cast finish or optional Black Thermal Coated



See inside back cover of catalog or visit website for limited warranty and venue provision.

[WWW.WINTERSPERFORMANCE.COM](http://WWW.WINTERSPERFORMANCE.COM)

# PERMANENT MOLD INDEPENDENT QUICK CHANGE



All 10-inch independent diffs are built with a Permanent Mold A356-T6 aluminum center section and NNS forged 2014-T6 aluminum side bells, ground 9310 4.12 ring & pinion, forged 4340 output flanges, 1350-Series yoke, Timken® or NTN® bearings, and ARP® ring gear bolts.

See assembly variations, including lower shaft and output flange options, and additional upgrade options below.

## ASSEMBLY P/N WP1958 (Standard) See Additional Assy Configurations at Right

Since the very first quick change was slammed in a drift car, Winters has been an integral part of drifting. We've worked with drivers and crews to develop components and evolve the sport, providing more diffs and equipping more championship teams than any other manufacturer in the world. Our Permanent Mold Independent Quick Changes are the next step in that evolution. They've been **structurally reinforced to strengthen high-stress areas** and ensure our quick changes continue landing in victory lane.

And they're loaded with components you can only get from Winters, including a Permanent Mold center section casting, NNS forged 2014-T6 side bells, ground 9310 ring & pinion, heavy-duty forged aluminum, steel-lined spool, and available 350M lower shaft. Track tested by the highest horsepower, most torque-heavy machines in professional drifting, these diffs will stand up to anything you can throw at them.

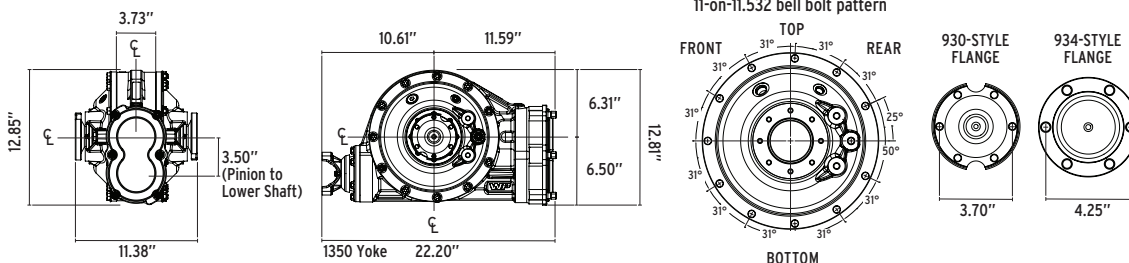
## ASSEMBLIES

| ASSY #                                   | DESCRIPTION   |
|--|---|
| WP1958                                   | Quick Change Assy w/31-Spline HD Alum Spool, 930-Style Output Flanges, Heat-Treated Lower Shaft, 1350-Series Yoke             |
| WP1958PROAM                              | WP1958 QC Assy w/35-Spline Spool and Flanges  |
| WP1958PRO                                | WP1958 QC Assy w/35-Spline Spool and Flanges, and Heavy-Duty 350M Lower Shaft   |
| WPC1958                                  | Inverted QC Assy for Corvette w/31-Spline HD Alum Spool, 930-Style Output Flanges, Heat-Treated Lower Shaft, 1350-Series Yoke |
| WPC1958PROAM                             | Inverted WP1958 QC Assy for Corvette w/35-Spline Spool and Flanges  |
| WPC1958PRO                               | Inverted WP1958 QC Assy for Corvette w/35-Spline Spool and Flanges, and Heavy-Duty 350M Lower Shaft                           |
| FOR LIMITED SLIP DIFFERENTIAL ASSEMBLIES | Add "-LSD" to end of Assy P/N above (Ex. WP1958-LSD)  |

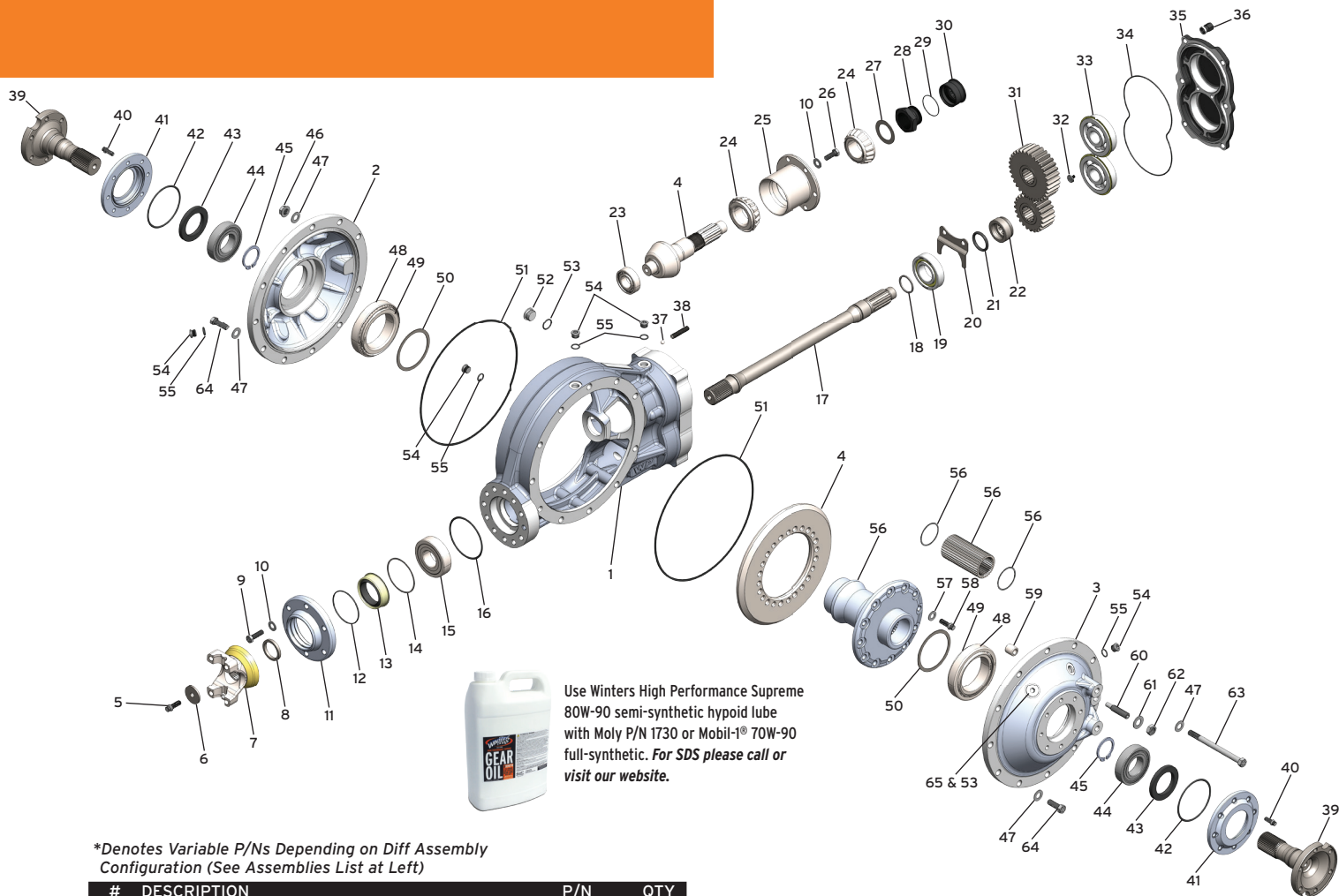
## OPTIONS

| OPTION #   | DESCRIPTION                         |
|------------|-------------------------------------|
| SR9154-35  | 934-Style Output Flanges, 35-Spline |
| SR8208     | Black Thermal Dispersant Coating    |
| SR8218-BRG | REM Bearings                        |

## DIMENSIONAL DATA



Scan QR code or click Video #3 on [wintersperformance.com](http://wintersperformance.com) to watch a video overview of our Permanent Mold independent quick change rears



Use Winters High Performance Supreme 80W-90 semi-synthetic hypoid lube with Moly P/N 1730 or Mobil-1® 70W-90 full-synthetic. For SDS please call or visit our website.

\*Denotes Variable P/Ns Depending on Diff Assembly Configuration (See Assemblies List at Left)

| #   | DESCRIPTION                                       | P/N        | QTY |
|-----|---|------------|-----|
| 1   | Center Section, Permanent Mold, Alum              | 13251-INDY | 1   |
| 2   | Side Bell, NNS Forged, Alum, Right                | 13228-R    | 1   |
| 3   | Side Bell, NNS Forged, Alum, Left                 | 13228-L    | 1   |
| 4   | Ring & Pinion, 4.12 Ratio, Ground 9310, 10-Spline | 5714       | 1   |
| 5   | 3/8-24 x 1" HHCS, Drive Yoke                      | 7109Y      | 1   |
| 6   | Retaining Washer, Drive Yoke                      | 5037       | 1   |
| 7   | Drive Yoke, Steel, 1350, 32-Spline                | 3566       | 1   |
| 8   | Spacer, Drive Yoke                                | 6532-01    | 1   |
| 9   | 3/8-16 x 1/4" HHCS, Seal Plate                    | 7107       | 6   |
| 10  | 3/8" SAE Flatwasher                               | 7114       | 12  |
| 11  | Seal Plate  | 5018-01M   | 1   |
| 12  | O-Ring, Seal                                      | 7474       | 1   |
| 13  | Seal, Seal Plate                                  | 7204V      | 1   |
| 14  | Retaining Ring, Seal Plate                        | 7652       | 1   |
| 15  | Ball Bearing, Lower Shaft, Front                  | 7390       | 1   |
| 16  | O-Ring, Seal Plate                                | 7413       | 1   |
| 17* | Lower Shaft, Heat-Treated Steel (Std), 32-Spline  | 5003-32    | 1   |
| 17* | Lower Shaft, 350M, 32-Spline                      | 5003V-32   | 1   |
| 17* | Lower Shaft, Heat-Treated Steel, 10-Spline        | 5003       | 1   |
| 17* | Lower Shaft, 350M, 10-Spline                      | 5003-V     | 1   |
| 18  | Retaining Ring, Lower Shaft                       | 7610       | 1   |
| 19  | Ball Bearing, Lower Shaft, Rear, Shielded         | 7339       | 1   |
| 20  | Bearing Retainer                                  | 12062      | 1   |
| 21  | O-Ring, Spacer, Lower Shaft                       | 9405       | 1   |
| 22  | Spacer, Lower Shaft                               | 12885      | 1   |
| 23  | Roller Bearing, Pinion Nose                       | 7331       | 1   |
| 24  | Bearing Cone, Pinion Shaft                        | 7308       | 2   |
| 25  | Flanged Bearing Cup, Pinion                       | 7528       | 1   |
| 26  | 3/8-16 x 1" HHCS, Bearing Cup/Retaining Plate     | 7110       | 6   |
| 27  | Thrust Washer                                     | 5055       | 1   |
| 28  | Posi-Lock Nut, Pinion Shaft, 15/16-20-2B Thread   | 6485R      | 1   |
| 29  | O-Ring, Posi-Lock                                 | 7445       | 1   |
| 30  | Posi-Lock Retainer, Pinion Shaft                  | 6484       | 1   |
| 31  | Quick Change Gear Set (Specify Ratio)             | 85XX       | 1   |
| 32  | Retainer Bolt                                     | 12417      | 2   |
| 33  | Ball Bearing, Gear Cover                          | 8659       | 2   |
| 34  | O-Ring, Gear Cover                                | 8447       | 1   |

| #   | DESCRIPTION  | P/N         | QTY |
|-----|--|-------------|-----|
| 35  | Gear Cover, Forged, Alum                           | 12175B      | 1   |
| 36  | High Nut, 3/8-16, Alum                             | 7794ASBK    | 6   |
| 37  | Steel Ball, 5/16" Dia.                             | 7398        | 6   |
| 38  | 3/8-16 x 1 3/4" Stud, Gear Cover                   | 7802        | 6   |
| 39* | Output Flange, Porsche® 930-Style, 31-Spline       | SR2944-31   | 2   |
| 39* | Output Flange, Porsche® 930-Style, 35-Spline       | SR2944-35   | 2   |
| 39* | Output Flange, Porsche® 934-Style, 35-Spline       | SR4874-01   | 2   |
| 40  | 5/16-18 x 3/4" 12 Pt Bolt, Seal Plate              | 7195        | 16  |
| 41  | Seal Plate, Output Flange                          | 2945        | 2   |
| 42  | O-Ring, Seal Plate                                 | 7413        | 2   |
| 43  | Seal, Seal Plate                                   | 7236V       | 2   |
| 44  | Bearing (Remove Shields)                           | 7531        | 2   |
| 45  | Snap Ring, Output Flange                           | 7619        | 2   |
| 46  | 7/16-20 Flanged Locknut                            | 7177        | 10  |
| 47  | 7/16" SAE Flatwasher                               | 7178        | 22  |
| 48  | Bearing Cup, Side Bell                             | 7357        | 2   |
| 49  | Bearing Cone, Spool/Differential                   | 7358        | 2   |
| 50  | Shim Kit   | 6115        | 1   |
| 51  | O-Ring, Side Bell                                  | 7403T       | 2   |
| 52  | -10 AN Plug, Short, Steel                          | 8035-01     | 1   |
| 53  | O-Ring, -10 AN Plug                                | 8406        | 2   |
| 54  | -6 AN Plug, Steel                                  | 7874S       | 5   |
| 55  | O-Ring, -6 AN Plug                                 | 8405        | 5   |
| 56* | Spool, Forged Alum, Steel Lined, 31-Spline         | SR3353-31HD | 1   |
| 56* | Spool, Forged Alum, Steel Lined, 35-Spline         | SR3353-35HD | 1   |
| 56* | Winters Track Limited Slip Differential, 31-Spline | SR2418-31   | 1   |
| 56* | Winters Track Limited Slip Differential, 35-Spline | SR2418-35   | 1   |
| 57  | 3/8" Flatwasher, ARP®                              | 7815ARP     | 12  |
| 58  | 3/8-24 x 1 1/8" 12 Pt Bolt, ARP®                   | 7852ARP     | 12  |
| 59  | Thrust Block                                       | 5010        | 1   |
| 60  | 1/2-13 Adjusting Screw, Thrust Block               | 6149        | 1   |
| 61  | 1/2" SAE Flatwasher                                | 7167A       | 1   |
| 62  | 1/2-13 Jam Nut, Adjusting Screw                    | 7137A       | 1   |
| 63  | Thru-Bolt, 7/16-20 x 5 1/2" HHCS                   | 7176        | 10  |
| 64  | 7/16-14 x 1 1/4" HHCS                              | 7117        | 2   |
| 65  | -10AN Plug, Steel                                  | 8035        | 1   |

Part Numbers in this list may vary depending on options ordered at time of purchase. Please check the assembly tag included with your rear. See inside back cover of catalog or visit website for limited warranty and venue provision.

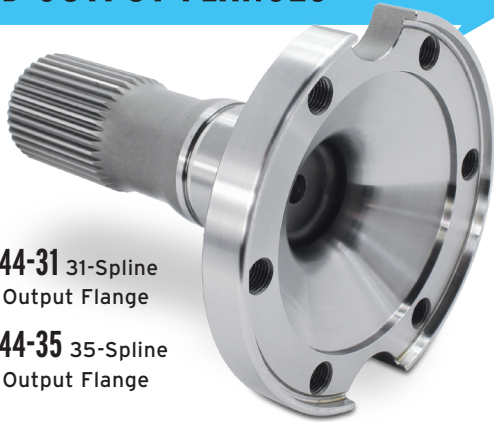
# QUICK CHANGE COMPONENTS

## FORGED OUTPUT FLANGES

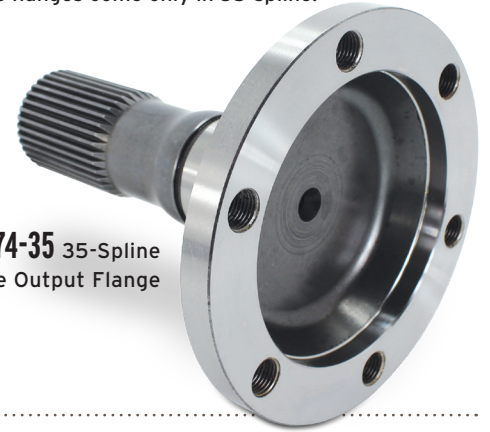
All output flanges are precision machined from 4340 steel forgings. 930-style flanges are available in both 31-spline and heavy-duty 35-spline configurations, while the 934-style flanges come only in 35-spline.

**P/N SR2944-31** 31-Spline  
930-Style Output Flange

**P/N SR2944-35** 35-Spline  
930-Style Output Flange



**P/N SR4874-35** 35-Spline  
934-Style Output Flange



## STEEL-LINED SPOOLS & LIMITED SLIP DIFFERENTIALS

Heavy-duty spools feature forged 7075 aluminum bodies with a 31 or 35-spline steel lining—an industry exclusive only available from Winters.



**P/N SR3353-31HD** 31-Spline  
Heavy-Duty Steel-Lined Spool

**P/N SR3353-35HD** 35-Spline  
Heavy-Duty Steel-Lined Spool

CNC machined to exacting tolerances, the Winters Track LSD's race-proven parallel gear design automatically senses wheel spin and delivers positive traction.



**P/N SR2418-31** 31-Spline  
Winters Track LSD

**P/N SR2418-35** 35-Spline  
Winters Track LSD

## HEAT TREATED STEEL & 350M LOWER SHAFTS

Diffs come standard with our 32-spline heat-treated steel lower shaft. For higher horsepower applications, we offer a cobalt-hardened 350M lower shaft—the strongest lower shaft on the market. All use Retaining Ring P/N 7610



**P/N 5003-32** Heat-Treated Steel Lower Shaft, 32-spline  
For 10-Spline Heat-Treated Steel Lower Shaft use **P/N 5003**



**P/N 5003V-32** 350M Lower Shaft, 32-spline w/spacer  
For 10-Spline 350M Lower Shaft use **P/N 5003-V**

## RING & PINION ASSEMBLY

### 10" STANDARD PINION BEARING, 12-BOLT

Assembly includes Ground 9310 Ring & Pinion, Pinion Posi-Lock Nut, Roller Nose Bearing, ARP® Ring Gear Bolt Kit, and one-piece race.

P/N 5714 4.12 R&P w/o Bearings

P/N 5715 4.12 R&P w/Bearings

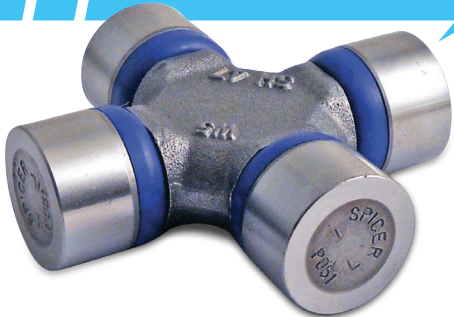
### OPTIONS

| OPTION # | MOST POPULAR OPTIONS            |
|----------|---------------------------------|
| 8218-RP  | REM® Ring & Pinion              |
| 8218-BRG | REM® Bearing (# is per bearing) |
| 8202-412 | EDM Ring Gear (specify ratio)   |



**ARP® RING GEARBOLT KIT**  
KIT P/N 9381 For 10" R&P

## U-JOINTS & U-BOLTS



P/N 6996 • 1350-Series 1 3/16" Journal Assembly  
3 5/8" across bearing caps

P/N 5382\* • 1310-series, caps with grease fittings  
1 1/16" Journal Assembly, 3 7/32" across bridge

P/N 6847\* • 1310-series, HD caps without grease fittings  
1 1/16" Journal Assembly, 3 7/32" across bridge

\*1310-series components for use with V8-size diffs only. For full-size Champ diffs use 1350-series components

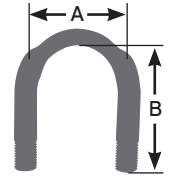


### U-BOLT KITS

Kits Includes (2) U-Bolts, (4) Lock Washers, and (4) Hex Nuts

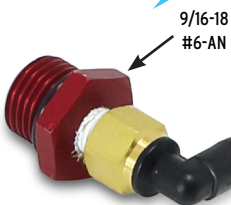
#### TORQUE SPEC

Torque nuts to  
15 ft.-lbs.



| A      | B      | SERIES | JOURNAL DIAMETER | P/N    |
|--------|--------|--------|------------------|--------|
| 1.640" | 2.000" | 1350   | 1-3/16"          | 6999   |
| 1.406" | 1.684" | 1310   | 1-1/16"          | 5855*  |
| 1.406" | 1.934" | 1310   | 1-1/16"          | 5855L* |

## BREATHER



9/16-18  
#6-AN

### Assembly P/N 2966

| # | DESCRIPTION             | P/N  |
|---|-------------------------|------|
| 1 | O-Ring                  | 8405 |
| 2 | #6-AN Fitting           | 8070 |
| 3 | Tube Adapter            | 8074 |
| 4 | Poly Tubing, 16" Length | 8075 |

## GEAR OIL

### HIGH PERFORMANCE SUPREME GEAR OIL

P/N 1730

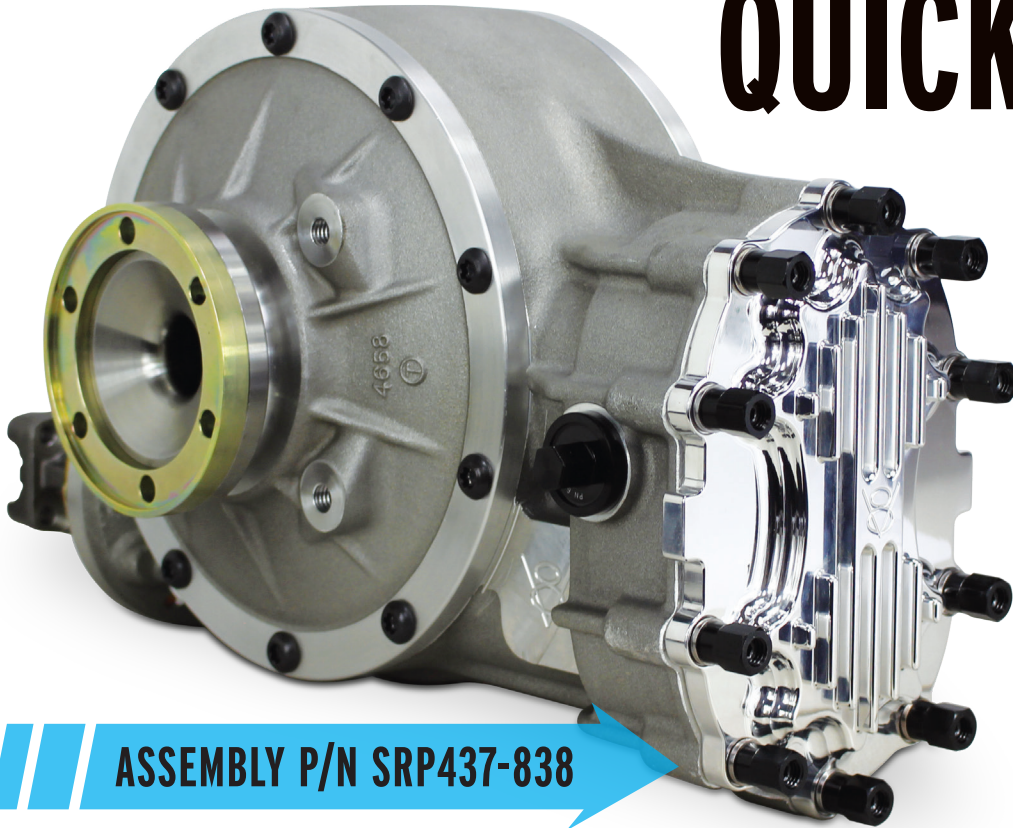
Using the correct gear oil is critical to the performance and longevity of your quick change rear end. Our High Performance Supreme Gear Oil is an 80W/90 semi-synthetic with Moly that will keep your rear properly lubricated and running cool race after race.

For SDS, please call or visit our website.



See inside back cover of catalog or visit website for limited warranty and venue provision.

# COMPACT MINI INDEPENDENT QUICK CHANGE



Compact "V8" independent diffs are built with cast A356-T6 aluminum center section and side bells with integral caliper mounts and feature an 8-3/8" 3.78 ring & pinion, Winters Wedgelock LSD, forged 4340 output flanges, 1310-Series yoke, Timken® or NTN® bearings, and ARP® ring gear bolts.

Assembly SRP437-838 shown in natural As-Cast finish with billet aluminum gear cover Option SR8211-V8B

**ASSEMBLY P/N SRP437-838**

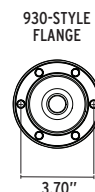
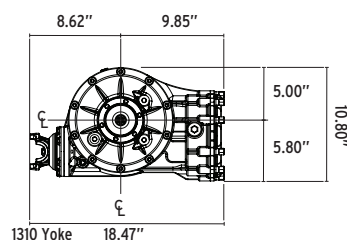
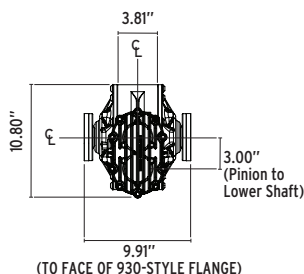
The compact V8-size quick change was developed for applications where horsepower and torque is low and space within the confines of the chassis is limited. Depending on transmission, tire size, and other determining factors, the V8 quick change is typically rated up to approximately 600 horsepower. It's compact size makes it the perfect solution for those seeking the versatility of quick change gearing without needing the heavy-duty performance of our full-size diffs.

V8 independent diffs are equipped with our all gear-driven Winters Wedgelock limited slip differential, and are available with either 31-spline 930-style or 1310-series Corvette-style output flanges. Additional options are listed at right.

## OPTIONS

| PART/OPTION # |                                  |
|---------------|----------------------------------|
| SR12626       | 930-Style Output Flange Adapter  |
| 3702          | Steel 1310-Series Flange Yoke    |
| 3453-01       | Aluminum 1310-Series Flange Yoke |
| 4862          | U-Bolt 1310-Series Flange Yoke   |
| SR8275-1      | 1350-Series Yoke, 10-Spline      |

## DIMENSIONAL DATA



▶ Scan QR code or click Video #01 on [wintersperformance.com](http://wintersperformance.com) to see a tour of our manufacturing plant in York, PA.





\*Denotes Option

| #  | DESCRIPTION  | P/N      | QTY |
|----|--|----------|-----|
| 1  | Center Section, Alum                                 | 2524HD   | 1   |
| 2  | Side Bell, Alum                                      | 4658     | 2   |
| 3  | Ring & Pinion, 3.78, 6-Spline                        | 6811     | 1   |
| 4  | 3/8-24 x 1" HHCS, Drive Yoke                         | 7109Y    | 1   |
| 5  | Retaining Washer, Drive Yoke                         | 5037     | 1   |
| 6* | Drive Yoke, Steel, 1310, 10-Spline                   | 5038     | 1   |
| 6* | Drive Yoke, Alum, 1310, 10-Spline                    | 5038AS   | 1   |
| 7  | Seal, Seal Plate, Viton                              | 7204V    | 1   |
| 8  | O-Ring, Seal   | 7474     | 1   |
| 9  | 3/8-16 x 1 1/4" HHCS, Seal Plate                     | 7110     | 6   |
| 10 | 3/8" SAE Flatwasher                                  | 7114     | 6   |
| 11 | Seal Plate, .750" Seal                               | 6854-01M | 1   |
| 12 | O-Ring, Seal Plate                                   | 7413     | 1   |
| 13 | Ball Bearing, Lower Shaft, Front                     | 7390     | 1   |
| 14 | Steel Spacer, Bearing                                | 6680     | 1   |
| 15 | Lower Shaft, Heat-Treated Steel, 10-Spline           | 6881-01  | 1   |
| 16 | Retaining Ring, Lower Shaft                          | 7658     | 1   |
| 17 | Retaining Ring, Lower Shaft Bearing                  | 7655     | 1   |
| 18 | Ball Bearing, Lower Shaft, Rear, Shielded            | 7534     | 1   |
| 19 | Bearing Retainer                                     | 6751     | 1   |
| 20 | Roller Bearing, Pinion Nose                          | 7392     | 1   |
| 21 | Bearing Cone, Pinion Shaft                           | 7527     | 2   |
| 22 | Flanged Bearing Cup, Pinion                          | 7525     | 1   |
| 23 | 3/8-16 x 1" BHCS (Torx®), Bearing Cup/Retainer Plate | 9308     | 5   |
| 24 | Thrust Washer  | 6824     | 1   |
| 25 | Posi-Lock Nut, Pinion Shaft, 1/4-20-2B Thread        | 6821-02  | 1   |
| 26 | O-Ring, Posi-Lock                                    | 7455     | 1   |
| 27 | Posi-Lock Retainer, Pinion Shaft                     | 6822     | 1   |
| 28 | Quick Change Gear Set (Specify Ratio)                | 45XX     | 1   |
| 29 | Ball Bearing, Gear Cover                             | 7532-01  | 2   |
| 30 | Gasket, Gear Cover, HD                               | 6703HD   | 1   |
| 31 | Gear Cover, Alum                                     | 3056     | 1   |
| 32 | High Nut, 3/8-16, Aluminum, Short, Black             | 7794ASBK | 10  |
| 33 | Steel Ball, 5/16" Dia.                               | 7398     | 10  |
| 34 | 3/8-16 x 1 3/4" Stud, Gear Cover                     | 7802     | 10  |
| 35 | Adapter Ring, Porsche® 930-Style Output Flange       | 12626    | 2   |

| #   | DESCRIPTION   | P/N     | QTY |
|-----|---|---------|-----|
| 36  | 7/16-20 x 3" SHCS   | 9363    | 2   |
| 37  | Belleville Washer   | 7921    | 2   |
| 38  | Output Flange, Porsche® 930-Style, 31-Spline, Right       | 4610-01 | 1   |
| 38* | Output Flange, Corvette®-Style, 31-Spline, Right          | 4846-01 | 1   |
| 39  | Retaining Ring  | 8390    | 2   |
| 40  | Seal, Side Bell   | 8976V   | 2   |
| 41  | O-Ring, Side Bell Seal                                    | 8419    | 2   |
| 42  | 3/8-16 X 1 1/4" BHCS (Torx®)                              | 7953    | 20  |
| 43  | 3/8" SAE Flatwasher                                       | 7151    | 20  |
| 44  | Bearing Cup, Side Bell                                    | 7302    | 2   |
| 45  | Bearing Cone, Differential                                | 7301    | 2   |
| 46  | O-Ring, Side Bell   | 7451    | 2   |
| 47  | -6 AN Plug, Steel   | 7874S   | 2   |
| 48  | O-Ring, -6 AN Plug  | 8405    | 2   |
| 49  | O-Ring, -12 AN Inspection Plug                            | 7454    | 1   |
| 50  | -12 AN Inspection Plug                                    | 6857-01 | 1   |
| 51  | Output Flange, Porsche® 930-Style, 31-Spline, Left (Long) | 4610-02 | 1   |
| 51* | Output Flange, Corvette®-Style, 31-Spline, Left (Long)    | 4846-02 | 1   |
| 52  | Shim Kit  | 6709    | 1   |
| 53  | Bushing, Differential                                     | 8834    | 2   |
| 54  | Main Housing, Wedglock Differential                       | 3250    | 1   |
| 55  | Side Gear, Right, 31-Spline                               | 1693-01 | 1   |
| 56  | Retaining Ring, Side Gear Insert                          | 8336    | 2   |
| 57  | Insert, Side Gear   | 4639    | 2   |
| 58  | Side Gear, Left, 31-Spline                                | 1693-02 | 1   |
| 59  | Scalloped Spacer  | 1996    | 1   |
| 60  | Cover, Wedglock Differential                              | 3251    | 1   |
| 61  | 3/8" Flatwasher, ARP®                                     | 7815ARP | 10  |
| 62  | 3/8-24 x 1 1/8" 12 Pt Bolt, ARP®                          | 7852ARP | 10  |
| 63  | 1/4-28 x 1 1/4" 12pt Bolt                                 | 8045    | 5   |
| 64  | Pinion Gear, Short  | 1692-01 | 5   |
| 65  | Pinion Gear, Long   | 1692-02 | 5   |
| 66  | -8 AN Plug with O-Ring                                    | 7875    | 2   |

Part Numbers in this list may vary depending on options ordered at time of purchase. Please check assembly tag included with quick change.  
 \*\*Used only with P/N 5038AS

See inside back cover of catalog or visit website for limited warranty and venue provision.

# WINTERS MERCHANDISE



**INDEPENDENT T-SHIRT**  
P/N SR07



**FOR THE WIN T-SHIRT**  
P/N SR13



**TEAM COLORS HOODIE**  
P/N S1GY



**SUPPORT YOUR LOCAL RACETRACK**

**SUPPORT T-SHIRT**  
P/N SR15



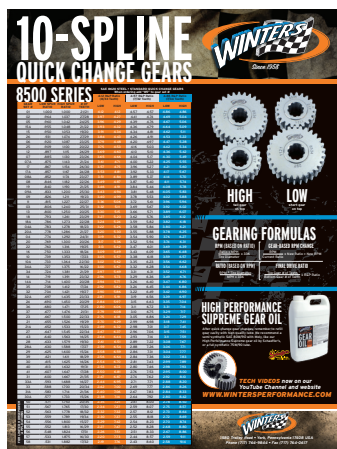
**RACING DIVISION HOODIE**  
P/N S2BK



**CIRCLE TRACK DECAL**

5" x 2 1/2"

P/N WINTERS-DW



**10-SPLINE GEAR CHART**

18" x 24" • Heavy-Duty w/Grommets  
P/N POSTER10



**SHOP BANNER**

36" x 24" • Full-Color Vinyl Banner w/Grommets  
P/N BANNER1

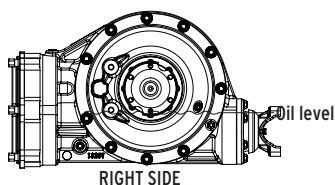
# IMPORTANT INFO

## BREAK-IN PROCEDURE

As with any new or rebuilt product, be it an engine, transmission or rear end, it is important to avoid premature wear on the gears and bearings by avoiding full throttle loads and high RPM conditions for at least 20 miles. Start break-in at 30% power and gradually increase not to exceed 80% power.

Drain and refill the gear lube in both the rear end and the quick change gear cavity to the proper oil levels with the car sitting level (over filling will cause excessive heat).

## IMPORTANT QUICK CHANGE OILING INFO



Make sure diff is level when checking oil

**PROPER OIL LEVEL IS CRITICAL!** Always maintain oil level at 1-1/2" below axle center line as indicated (3 quarts/2.8 liters for 10" diffs).

Use Winters High Performance Supreme 80W-90 semi-synthetic hypoid lube with Moly P/N 1730 or Mobil-1® 70W-90 full-synthetic.

## QUICK CHANGE TORQUE SPECS

For 10" quick change diffs

Ring Gear Bolts.....60 ft.-lbs. Gear Cover High Nuts.....20 ft.-lbs.  
 Pinion Retainer Bolts.....25 ft.-lbs. Left Bell Adjuster Screw:  
 Seal Plate Bolts.....25 ft.-lbs. Snug up, back off 1/4-turn, use  
 Yoke Bolt.....40 ft.-lbs. red thread lock on jam nut  
 Side Bell Thru-Bolts.....35 ft.-lbs.



## GEAR OIL

### HIGH PERFORMANCE SUPREME GEAR OIL P/N 1730

Using the correct gear oil is critical to the performance and longevity of your quick change rear end. Our High Performance Supreme Gear Oil is an 80W/90 semi-synthetic with Moly that will keep your rear properly lubricated and running cool race after race.

For SDS, please call or visit our website.

## 6-SPLINE (MINI DIFF) GEAR CHART (10-SPLINE/FULL-SIZE DIFF GEAR CHART ON NEXT PAGE)

| Numerical Ratio Listed |                |                 |            | 3.78 R&P Ratio (9-34 Teeth) |      | Numerical Ratio Listed |                |                 |            | 3.78 R&P Ratio (9-34 Teeth) |      |
|------------------------|----------------|-----------------|------------|-----------------------------|------|------------------------|----------------|-----------------|------------|-----------------------------|------|
| GEAR SET #             | LOW SPUR RATIO | HIGH SPUR RATIO | # OF TEETH | LOW                         | HIGH | GEAR SET #             | LOW SPUR RATIO | HIGH SPUR RATIO | # OF TEETH | LOW                         | HIGH |
| 01                     | 1.000          | 1.000           | 24/24      | 3.78                        | 3.78 | 12                     | 0.655          | 1.526           | 19/29      | 2.48                        | 5.77 |
| 02                     | 0.958          | 1.043           | 23/24      | 3.62                        | 3.94 | 13                     | 0.652          | 1.533           | 15/23      | 2.47                        | 5.80 |
| 03                     | 0.920          | 1.087           | 23/25      | 3.48                        | 4.11 | 14                     | 0.636          | 1.571           | 14/22      | 2.41                        | 5.94 |
| 03B                    | 0.895          | 1.118           | 17/19      | 3.38                        | 4.22 | 15                     | 0.625          | 1.600           | 15/24      | 2.36                        | 6.05 |
| 03A                    | 0.880          | 1.136           | 22/25      | 3.33                        | 4.30 | 16                     | 0.615          | 1.625           | 16/26      | 2.33                        | 6.14 |
| 04                     | 0.846          | 1.182           | 22/26      | 3.20                        | 4.47 | 17                     | 0.600          | 1.667           | 18/30      | 2.27                        | 6.30 |
| 05                     | 0.808          | 1.238           | 21/26      | 3.05                        | 4.68 | 18                     | 0.591          | 1.692           | 13/22      | 2.23                        | 6.40 |
| 05A                    | 0.792          | 1.263           | 19/24      | 2.99                        | 4.77 | 18A                    | 0.571          | 1.750           | 16/28      | 2.16                        | 6.62 |
| 06                     | 0.778          | 1.286           | 21/27      | 2.94                        | 4.86 | 19                     | 0.560          | 1.786           | 14/25      | 2.12                        | 6.75 |
| 24                     | 0.767          | 1.304           | 23/30      | 2.90                        | 4.93 | 20                     | 0.556          | 1.800           | 15/27      | 2.10                        | 6.80 |
| 25                     | 0.750          | 1.333           | 18/24      | 2.84                        | 5.04 | 27                     | 0.542          | 1.846           | 13/24      | 2.05                        | 6.98 |
| 07                     | 0.741          | 1.350           | 20/27      | 2.80                        | 5.10 | 21                     | 0.531          | 1.882           | 17/32      | 2.01                        | 7.12 |
| 23                     | 0.727          | 1.375           | 16/22      | 2.75                        | 5.20 | 28                     | 0.528          | 1.895           | 19/36      | 2.00                        | 7.16 |
| 08                     | 0.714          | 1.400           | 20/28      | 2.70                        | 5.29 | 29                     | 0.522          | 1.917           | 12/23      | 1.97                        | 7.25 |
| 22                     | 0.704          | 1.421           | 19/27      | 2.66                        | 5.37 | 26                     | 0.517          | 1.933           | 15/29      | 1.96                        | 7.31 |
| 09                     | 0.696          | 1.438           | 16/23      | 2.63                        | 5.43 | 30                     | 0.500          | 2.000           | 20/40      | 1.89                        | 7.56 |
| 10                     | 0.682          | 1.467           | 15/22      | 2.58                        | 5.54 | 31                     | 0.488          | 2.050           | 20/41      | 1.84                        | 7.75 |
| 11                     | 0.667          | 1.500           | 18/27      | 2.52                        | 5.67 | 32                     | 0.475          | 2.105           | 19/40      | 1.80                        | 7.95 |

See inside back cover of catalog or visit website for limited warranty and venue provision.

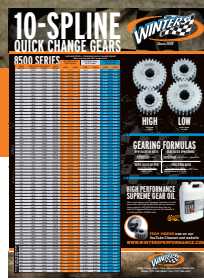
# 10-SPLINE QUICK CHANGE GEARS

## 8500 SERIES

SAE 8620 STEEL • STANDARD QUICK CHANGE GEARS  
When ordering add "85" to gear set # (example 8501)

| GEAR SET # | LOW SPUR RATIO | HIGH SPUR RATIO | # OF TEETH | 4.12 R&P Ratio (8/33 Teeth) |      | 4.57 R&P Ratio (7/32 Teeth) |      | 4.86 R&P Ratio (7/34 Teeth) |      |
|------------|----------------|-----------------|------------|-----------------------------|------|-----------------------------|------|-----------------------------|------|
|            |                |                 |            | LOW                         | HIGH | LOW                         | HIGH | LOW                         | HIGH |
| 01         | 1.000          | 1.000           | 21/21      | 4.12                        | 4.12 | 4.57                        | 4.57 | 4.86                        | 4.86 |
| 02         | .964           | 1.037           | 27/28      | 3.97                        | 4.27 | 4.41                        | 4.74 | 4.69                        | 5.04 |
| 05         | .960           | 1.042           | 24/25      | 3.96                        | 4.29 | 4.39                        | 4.76 | 4.67                        | 5.06 |
| 15A        | .955           | 1.048           | 21/22      | 3.93                        | 4.32 | 4.36                        | 4.79 | 4.64                        | 5.09 |
| 15         | .950           | 1.053           | 19/20      | 3.91                        | 4.34 | 4.34                        | 4.81 | 4.62                        | 5.11 |
| 26         | .931           | 1.074           | 27/29      | 3.84                        | 4.43 | 4.26                        | 4.91 | 4.53                        | 5.22 |
| 06         | .920           | 1.087           | 23/25      | 3.79                        | 4.48 | 4.20                        | 4.97 | 4.47                        | 5.28 |
| 25         | .909           | 1.100           | 20/22      | 3.75                        | 4.53 | 4.16                        | 5.03 | 4.42                        | 5.34 |
| 12         | .897           | 1.115           | 26/29      | 3.69                        | 4.60 | 4.10                        | 5.10 | 4.36                        | 5.42 |
| 07         | .885           | 1.130           | 23/26      | 3.65                        | 4.66 | 4.04                        | 5.17 | 4.30                        | 5.49 |
| 07A        | .875           | 1.143           | 21/24      | 3.61                        | 4.71 | 4.00                        | 5.22 | 4.25                        | 5.55 |
| 17         | .867           | 1.154           | 26/30      | 3.57                        | 4.75 | 3.96                        | 5.27 | 4.21                        | 5.60 |
| 17A        | .857           | 1.167           | 24/28      | 3.53                        | 4.81 | 3.92                        | 5.33 | 4.17                        | 5.67 |
| 08A        | .852           | 1.174           | 23/27      | 3.51                        | 4.84 | 3.89                        | 5.37 | 4.14                        | 5.70 |
| 08         | .846           | 1.182           | 22/26      | 3.49                        | 4.87 | 3.87                        | 5.40 | 4.11                        | 5.74 |
| 19         | .840           | 1.190           | 21/25      | 3.46                        | 4.91 | 3.84                        | 5.44 | 4.08                        | 5.78 |
| 09A        | .833           | 1.200           | 25/30      | 3.43                        | 4.94 | 3.81                        | 5.48 | 4.05                        | 5.83 |
| 09         | .826           | 1.211           | 19/23      | 3.40                        | 4.99 | 3.78                        | 5.53 | 4.02                        | 5.88 |
| 11         | .815           | 1.227           | 22/27      | 3.36                        | 5.06 | 3.72                        | 5.61 | 3.96                        | 5.96 |
| 03         | .806           | 1.240           | 25/31      | 3.32                        | 5.11 | 3.69                        | 5.67 | 3.92                        | 6.02 |
| 13         | .800           | 1.250           | 20/25      | 3.30                        | 5.15 | 3.66                        | 5.71 | 3.89                        | 6.07 |
| 18         | .793           | 1.261           | 23/29      | 3.27                        | 5.20 | 3.62                        | 5.76 | 3.85                        | 6.12 |
| 18A        | .786           | 1.273           | 22/28      | 3.24                        | 5.24 | 3.59                        | 5.82 | 3.82                        | 6.18 |
| 04A        | .783           | 1.278           | 18/23      | 3.22                        | 5.26 | 3.58                        | 5.84 | 3.80                        | 6.21 |
| 20A        | .778           | 1.286           | 21/27      | 3.20                        | 5.30 | 3.55                        | 5.88 | 3.78                        | 6.25 |
| 04         | .774           | 1.292           | 24/31      | 3.19                        | 5.32 | 3.54                        | 5.90 | 3.76                        | 6.27 |
| 20         | .769           | 1.300           | 20/26      | 3.17                        | 5.36 | 3.52                        | 5.94 | 3.74                        | 6.31 |
| 22         | .760           | 1.316           | 19/25      | 3.13                        | 5.42 | 3.47                        | 6.01 | 3.69                        | 6.39 |
| 16         | .750           | 1.333           | 18/24      | 3.09                        | 5.49 | 3.43                        | 6.09 | 3.65                        | 6.48 |
| 10         | .739           | 1.353           | 17/23      | 3.05                        | 5.57 | 3.38                        | 6.18 | 3.59                        | 6.57 |
| 10A        | .733           | 1.364           | 22/30      | 3.02                        | 5.62 | 3.35                        | 6.23 | 3.56                        | 6.62 |
| 34A        | .727           | 1.375           | 16/22      | 3.00                        | 5.67 | 3.32                        | 6.28 | 3.54                        | 6.68 |
| 34         | .724           | 1.381           | 21/29      | 2.97                        | 5.69 | 3.31                        | 6.31 | 3.52                        | 6.71 |
| 14         | .719           | 1.391           | 23/32      | 2.96                        | 5.73 | 3.29                        | 6.36 | 3.49                        | 6.76 |
| 14A        | .714           | 1.400           | 20/28      | 2.94                        | 5.77 | 3.26                        | 6.40 | 3.47                        | 6.80 |
| 35         | .708           | 1.412           | 17/24      | 2.92                        | 5.82 | 3.24                        | 6.45 | 3.44                        | 6.86 |
| 32         | .704           | 1.421           | 19/27      | 2.90                        | 5.86 | 3.22                        | 6.49 | 3.42                        | 6.90 |
| 32A        | .697           | 1.435           | 23/33      | 2.87                        | 5.91 | 3.19                        | 6.56 | 3.39                        | 6.97 |
| 24         | .690           | 1.450           | 20/29      | 2.84                        | 5.97 | 3.15                        | 6.63 | 3.35                        | 7.04 |

# GEARS



## GEAR CHART POSTERS

This complete list of quick change gears is available in an 18" x 24" poster printed on grease-resistant, heavy-duty paper with grommets for easy hanging in your shop or rig  
**P/N POSTER10** (see page 10)

### STANDARD QUICK CHANGE GEARS (continued) When ordering add "85" to gear set #

| GEAR SET #                          | LOW SPUR RATIO | HIGH SPUR RATIO | # OF TEETH | 4.12 R&P Ratio (8/33 Teeth) |      | 4.57 R&P Ratio (7/32 Teeth) |      | 4.86 R&P Ratio (7/34 Teeth) |      |      |
|-------------------------------------|----------------|-----------------|------------|-----------------------------|------|-----------------------------|------|-----------------------------|------|------|
|                                     |                |                 |            | LOW                         | HIGH | LOW                         | HIGH | LOW                         | HIGH |      |
| 36                                  | .680           | 1.471           | 17/25      | 2.80                        | 6.06 | 3.11                        | 6.72 | 3.31                        | 7.14 |      |
| 37                                  | .677           | 1.476           | 21/31      | 2.79                        | 6.08 | 3.10                        | 6.75 | 3.29                        | 7.17 |      |
| 23                                  | .667           | 1.500           | 22/33      | 2.75                        | 6.18 | 3.05                        | 6.86 | 3.24                        | 7.29 |      |
| 21                                  | .655           | 1.526           | 19/29      | 2.70                        | 6.29 | 2.99                        | 6.98 | 3.18                        | 7.41 |      |
| 21A                                 | .652           | 1.533           | 15/23      | 2.69                        | 6.32 | 2.98                        | 7.01 | 3.17                        | 7.45 |      |
| 27                                  | .647           | 1.545           | 22/34      | 2.67                        | 6.37 | 2.96                        | 7.06 | 3.15                        | 7.51 |      |
| 43                                  | .640           | 1.563           | 16/25      | 2.64                        | 6.44 | 2.93                        | 7.14 | 3.11                        | 7.59 |      |
| 28                                  | .633           | 1.579           | 19/30      | 2.61                        | 6.51 | 2.89                        | 7.22 | 3.08                        | 7.67 |      |
| 28A                                 | .630           | 1.588           | 17/27      | 2.59                        | 6.54 | 2.88                        | 7.26 | 3.06                        | 7.71 |      |
| 29                                  | .625           | 1.600           | 15/24      | 2.58                        | 6.59 | 2.86                        | 7.31 | 3.04                        | 7.77 |      |
| 39                                  | .621           | 1.611           | 18/29      | 2.56                        | 6.64 | 2.84                        | 7.36 | 3.02                        | 7.83 |      |
| 30                                  | .615           | 1.625           | 16/26      | 2.54                        | 6.70 | 2.81                        | 7.43 | 2.99                        | 7.89 |      |
| 40                                  | .613           | 1.632           | 19/31      | 2.53                        | 6.72 | 2.80                        | 7.46 | 2.98                        | 7.93 |      |
| 41                                  | .607           | 1.647           | 17/28      | 2.50                        | 6.81 | 2.76                        | 7.53 | 2.95                        | 8.00 |      |
| 31                                  | .600           | 1.667           | 21/35      | 2.47                        | 6.87 | 2.74                        | 7.62 | 2.92                        | 8.10 |      |
| 33A                                 | .593           | 1.688           | 16/27      | 2.44                        | 6.95 | 2.71                        | 7.71 | 2.88                        | 8.20 |      |
| 33                                  | .588           | 1.700           | 20/34      | 2.42                        | 7.00 | 2.69                        | 7.77 | 2.86                        | 8.26 |      |
| 31A                                 | .583           | 1.714           | 21/36      | 2.40                        | 7.06 | 2.67                        | 7.83 | 2.84                        | 8.33 |      |
| 30A                                 | .577           | 1.733           | 15/26      | 2.38                        | 7.14 | 2.64                        | 7.92 | 2.80                        | 8.42 |      |
| FOR LIMITED HORSEPOWER APPLICATIONS | 50             | .571            | 1.750      | 20/35                       | 2.35 | 7.21                        | 2.61 | 8.00                        | 2.78 | 8.50 |
|                                     | 51             | .567            | 1.765      | 17/30                       | 2.34 | 7.27                        | 2.59 | 8.07                        | 2.75 | 8.57 |
|                                     | 52             | .563            | 1.778      | 18/32                       | 2.32 | 7.32                        | 2.57 | 8.12                        | 2.73 | 8.64 |
|                                     | 53             | .559            | 1.789      | 19/34                       | 2.30 | 7.37                        | 2.55 | 8.18                        | 2.72 | 8.69 |
|                                     | 54             | .556            | 1.800      | 15/27                       | 2.29 | 7.42                        | 2.54 | 8.23                        | 2.70 | 8.74 |
|                                     | 55             | .552            | 1.813      | 16/29                       | 2.27 | 7.47                        | 2.52 | 8.28                        | 2.68 | 8.80 |
|                                     | 56             | .548            | 1.824      | 17/31                       | 2.26 | 7.51                        | 2.51 | 8.33                        | 2.67 | 8.86 |
|                                     | 57             | .533            | 1.875      | 16/30                       | 2.20 | 7.73                        | 2.44 | 8.57                        | 2.59 | 9.11 |
|                                     | 58             | .531            | 1.882      | 17/32                       | 2.19 | 7.76                        | 2.43 | 8.60                        | 2.58 | 9.14 |

**HIGH**  
tall gear  
on top



**LOW**  
short gear  
on top

## GEARING FORMULAS

### RPM (BASED ON RATIO)

$$\frac{\text{Ratio} \times \text{MPH}}{\text{Tire Diameter}} \times 336$$

### GEAR-BASED RPM CHANGE

$$\frac{\text{RPM}}{\text{Current Ratio}} \times \text{New Ratio} = \text{New RPM}$$

### RATIO (BASED ON RPM)

$$\frac{\text{RPM} \times \text{Tire Diameter}}{\text{MPH} \times 336}$$

### FINAL DRIVE RATIO

$$\frac{\text{Top Gear \# of Teeth}}{\text{Bottom Gear \# of Teeth}} \times \text{R\&P Ratio}$$

See inside back cover of catalog or visit website for limited warranty and venue provision.



# ORDERS & RETURNS

## ORDER POLICY

- Please provide your customer number. If you are a new customer, one will be provided.
- Order by part number. Winters will not be responsible for incorrect orders placed by description only.
- Specify shipping instructions - otherwise use our discretion.
- Refused orders will have a \$25.00 handling charge and applicable freight charges billed to the customer's account.
- Special orders cannot be canceled after the order is in process.
- PLEASE NOTE: Part numbers are listed showing required quantity. If two or more quantities are listed, you must order two or more of that part number.

## RETURN POLICY

All returns must include a Return Authorization Number (RA#). Issuing of an RA# does not constitute a guarantee of credit or replacement. Credit, refund or replacement will only be issued after an inspection and determination at our discretion. No returns are accepted on special order merchandise, obsolete products, damaged, used or altered merchandise. Returns will not be accepted after six (6) months from date of purchase.

### ALL RETURNED MERCHANDISE MUST INCLUDE:

- RA# clearly written on outside of box/boxes
- Customer number, name & phone number
- Copy of invoice
- Written explanation of reason for return
- Specify Credit, Refund or Replacement
- Except for seller's error, returned merchandise is subject to a 15% restocking fee up to 90 days from date of purchase, and a 25% restocking fee from 91 days to 6 months.
- Returns must be freight pre-paid (except seller's error).
- Returned parts must be packaged properly to avoid damage in transit.
- SHIPPING DAMAGES MUST BE REPORTED IMMEDIATELY TO YOUR CARRIER.
- SHORTAGE CLAIMS MUST BE REPORTED IMMEDIATELY.
- SAVE YOUR PACKAGING.

# LIMITED WARRANTY

**BACKGROUND** Winters Performance Products, Inc., referred to herein as Winters, manufactures parts and equipment which are purchased by persons in various industries, who may install and use Winters parts and equipment in applications which may not be suitable for that Purchaser's intended purpose. Purchaser understands, recognizes and acknowledges that all parts and equipment manufactured or sold by Winters are exposed to many, varied and unforeseeable uses and conditions. As a consequence, Winters can make no promise, warranty, affirmation or representation as to the performance of its parts or equipment, nor does Winters make any description of the parts or equipment sold to Purchaser, nor does Winters make any description or affirmation of fact concerning any sample or model of parts or equipment except as specifically set forth in this Limited Warranty. As further consideration for Purchaser using Winters' parts or equipment, Purchaser acknowledges that, due to differing conditions and circumstances under which all parts and equipment are installed and used, Purchaser is not relying on Winters' skill and judgement to select or furnish the proper part or equipment. Purchaser expressly affirms that it is relying on its own expertise, skill, and judgement to select, purchase and install parts or equipment which are suitably safe and durable for their intended purpose. Purchaser assumes all risks associated with the performance of Winters' parts.

**LIMITED WARRANTY** Winters warrants to Purchaser that any part or equipment manufactured by Winters ("a Part") will conform to the description of such Part contained in the catalog most recently published by Winters prior to the time of sale of such part or equipment to Purchaser ("the Description"). WINTERS MAKES NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED WITH RESPECT TO ANY PART. WINTERS EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE AND EXPRESSLY DISCLAIMS ANY WARRANTY AS TO THE PERFORMANCE OF ANY PART. The liability of Winters for breach of the foregoing warranty is limited to repair or replacement of any Part determined to fail to conform to its Description prior to installation and use. The burden of establishing that any Part fails to conform to its Description shall be upon Purchaser. In order to be entitled to repair or replacement of any Part, Purchaser must (i) inspect the part upon receipt; and (ii) notify Winters in writing of the defect PRIOR TO INSTALLATION OF THE PART. In no event shall Winters be liable hereunder for any Part which has been installed. Purchaser assumes all risks relating to a Part once such Part is installed. WINTERS SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES (INCLUDING BUT NOT LIMITED TO LOST PROFITS) OR FOR LOSS OR DAMAGE DIRECTLY OR INDIRECTLY ARISING FROM THE USE OF A PART. Every claim under this Limited Warranty shall be deemed waived unless made in writing within ninety (90) days of delivery of the Part by Winters to Purchaser. Purchaser acknowledges that, due to the multiple uses of Parts, it is impossible for Winters to predict the performance of any Parts once installed or the suitability of any Parts for any particular use. Purchaser expressly acknowledges its obligation to inform all users (customers) of the above disclaimer.

**INDEMNITY AGAINST THIRD PARTY CLAIMS** PURCHASER HEREBY AGREES TO INDEMNIFY AND HOLD HARMLESS WINTERS FROM AND AGAINST ANY AND ALL CLAIMS, LIABILITY, LOSS AND DAMAGES, INCLUDING ATTORNEYS FEES, MADE BY ANY THIRD PARTY AGAINST WINTERS RELATING TO A PART OR THE USE OF ANY PART. Purchaser understands and agrees that no officer, director, employee or agent of Winters (including but not limited to any vendor, dealer or distributor) has any authority to make any statements contrary to the terms of this Limited Warranty. Winters specifically disavows any statements contrary to what is written above.

**CHOICE OF LAW/VENUE** This Limited Warranty shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania. Any legal action which may arise as a result of disputes, controversies, or claims arising out of or related to this Limited Warranty or the purchase or use of any Part shall be litigated exclusively in the Court of Common Pleas of York County, Pennsylvania or the United States District Court for the Middle District of Pennsylvania.

**MISCELLANEOUS** This writing constitutes the full, complete and final statement of Winters' Limited Warranty for Parts. All prior oral and written correspondence, test data, negotiations, representations, understandings and the like regarding Parts are merged in this writing and extinguished by it. This Limited Warranty may not be altered, amended, extended or modified except by a writing signed by the President or Vice President of Winters. Winters' failure at any time to enforce any of the terms and conditions stated herein shall not constitute a waiver of any of the provisions herein. This Limited Warranty shall not be assigned by Purchaser. Winters' responsibility for merchandise shipped via common carrier ceases upon delivering the order to the carrier. Winters is not responsible for merchandise lost or damaged in transit. Purchaser must file a claim with the delivery carrier for merchandise lost or damaged during transit. Winters will assist Purchaser by supplying any information necessary for submission of a claim. It is the responsibility of the Purchaser to comply with all laws and regulations, Federal, State and Local, governing resale of products sold by Winters. NSF Charge: \$38.00 per returned check/payment. Repayments must be made by cashier check or money order.

On request, all parts in Winters Performance Products, Inc. inventory and/or catalog are available in super strength heat treated steel (300,000/350,000 P.S.I. tensile strength) at extra cost and special order. Refer to machinery handbook for strengths of other materials.

RACING IS A DANGEROUS SPORT THAT CAN RESULT IN SERIOUS INJURY OR DEATH. THE ULTIMATE RESPONSIBILITY FOR PARTICIPANT AND VEHICLE SAFETY LIES WITH THE PARTICIPANT.

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