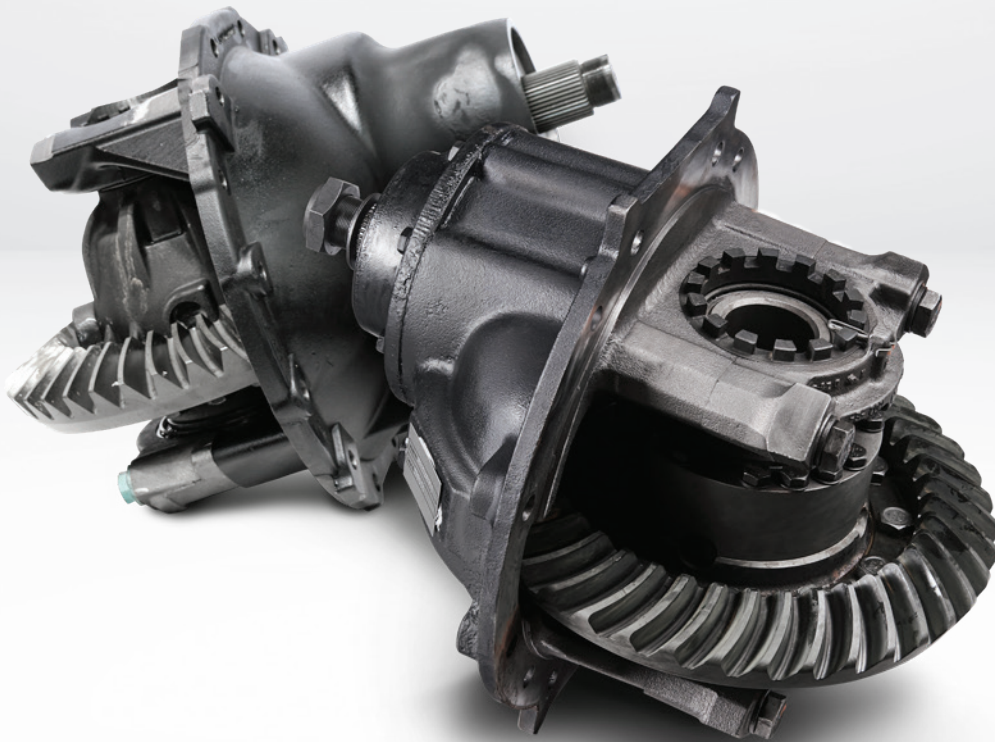




DIFFERENTIALS



ALL-MAKES HEAVY-DUTY DIFFERENTIALS

With parts and accessories for all makes and models¹, Alliance Parts is the smartest choice for value on the road. Readily available, easily affordable and assured in quality, Alliance has everything you need to deliver.

PARTS NUMBERING SYSTEM

All part numbers in this program are based on part and design.

Example - N400F478

N400 F 478



It is not always necessary to determine a specific part number to order a differential.

HOW TO ORDER

- Gather the following information about your existing differential:
 - Model number
 - Gear ratio or crown and pinion tooth count
 - Axle spline count and diameter
 - Number of carrier bolt holes
 - Open vs. limited slip or traction control
 - Other information as indicated
- Contact your Alliance Parts dealer
 - Find your dealer at allianceparts.com/dealers
 - Provide your differential model number and required specifications to order
 - Most differentials are shipped out within 24 hours of ordering

WARRANTY

Alliance products are backed by a 1-year/unlimited-mile standard warranty. Additional warranty coverage may apply where specified.

Illustrations and photographs used in this catalog may vary slightly from the actual product. Prototype samples are sometimes used for photography. The production parts may vary slightly.

Availability of products shown in this catalog is subject to change without notice.

¹For nearly all heavy-duty truck makes and models.

1	REMANUFACTURED DIFFERENTIALS	
	FEATURES & BENEFITS	5
	DANA	6
	DETROIT	8
	EATON	9
	MACK	11
	MERITOR	12
2	WARRANTY	
	WARRANTY POLICY	14
3	CORE POLICY	
	VISUAL INSPECTION CORE POLICY	17
4	FREIGHT & RETURN POLICIES	
	FREIGHT & RETURN POLICIES	19

1

REMANUFACTURED DIFFERENTIALS



FEATURES & BENEFITS

- Remanufactured to original specifications, including torque specs
- Available for nearly all medium- and heavy-duty vehicles with various gear ratios and mounting configurations
- Multiple stocking locations throughout North America for prompt shipping and reduced downtime
- Clearly defined core policy helps estimate core credit
- Backed by a 2-year/unlimited-mile warranty; restrictions apply²

HIGHLIGHTS

- All differentials, axles and axle carriers are 100% disassembled and thoroughly cleaned
- All wearable items are replaced, all housings and components are measured, inspected and repaired or replaced as appropriate
- All units are remanufactured with dedicated tooling and fixtures using OEM-approved processes to ensure assembly meets original blueprint tolerances
- Each individual assembly is tested to ensure performance

INFORMATION REQUIRED TO ORDER

- Model number (example: N175S)
- Gear ratio or crown and pinion tooth count
- Axle spline count and diameter
- Number of carrier bolt holes
- Open vs. limited slip

SINGLE-SPEED MODELS

- | | |
|---------|--------|
| • N175S | • RA39 |
| • N190S | • RA42 |
| • N210S | • RA44 |
| • RA192 | • RA47 |
| • RA29 | • RA57 |
| • RA30 | • S135 |
| • RA36 | |

TWO-SPEED MODELS

- | | |
|---------|----------|
| • G175T | • M220T |
| • M190T | • M230T |
| • M210T | • S230SL |

TANDEM AXLE MODELS

ALLIANCE P/N	POSITION
N340F	Front
N340R	Rear
N400F	Front
N400R	Rear
RA351F	Front
RA351R	Rear
RA355F	Front
RA355R	Rear
RA472F	Front
RA472R	Rear
RA474F	Front
RA474R	Rear
RA475F	Front
RA475R	Rear
RA476F	Front
RA476R	Rear

INFORMATION REQUIRED TO ORDER

- Transmission model number
- Gear ratio
- 6 x 4, 6 x 2, or 4 x 2 axle configuration
- Axle position
- Axle Lubrication Management (ALM) system vs. N/A

SPECIFICATIONS

- Model 2
 - Ratios: 2.92 to 6.14
 - Weight Ratings: 13,000 to 21,000 pounds
- Model 4
 - Ratios: 2.86 to 6.14
 - Weight Ratings: 17,500 to 23,000 pounds
- Model 6
 - Ratios: 2.28 to 5.88
 - Weight Ratings: 17,500 to 23,000 pounds

TANDEM MODELS - FRONT REAR

- Model 2
- Model 4
- Model 6

TANDEM MODELS - REAR DRIVE AXLE

- Model 2
- Model 4
- Model 6

TANDEM MODELS - REAR REAR AXLE

- Model 2
- Model 4
- Model 6

INFORMATION REQUIRED TO ORDER

- Model number (example: 15040S)
- Specify gear ratio or crown and pinion tooth count
- Axle spline count and diameter
- Input spline count
- Open vs. limited slip/traction control
- Supplied with oil pump (front tandem)
- Reverse air lockout (front tandem)

SINGLE-SPEED MODELS

- | | |
|-----------|-----------|
| • 15040S | • 21060S* |
| • 19050S | • 22121 |
| • 19060S* | |

TWO-SPEED MODELS

- | | |
|----------|----------|
| • 16244 | • 22221 |
| • 17221 | • 23070T |
| • 18221 | • 23080T |
| • 19050T | • 23221 |
| • 19221 | • 23421 |
| • 19420 | • 35327 |

TANDEM AXLE - SINGLE SPEED - FRONT MODELS

- | | |
|----------|----------|
| • D170DP | • DDS40P |
| • D170P | • DS401P |
| • D190 | • DS402P |
| • D190D | • DS404P |
| • D590DE | • DS405P |
| • D590E | • DS451P |
| • DC461P | • DS461P |
| • DD404P | • DS521P |
| • DD461P | • DSH40P |
| • DDH40P | • DSH44P |
| • DDH44P | • DSP40P |
| • DDP40P | • DST40P |

* D, L, B/C variants available

TANDEM AXLE - REAR MODELS

- | | |
|---------|---------|
| • RC461 | • RS405 |
| • RD404 | • RS451 |
| • RD461 | • RS461 |
| • RDH44 | • RSH40 |
| • RDP40 | • RSH44 |
| • RDS40 | • RSP40 |
| • RS401 | • RSS40 |
| • RS402 | • RST40 |
| • RS404 | |

INFORMATION REQUIRED TO ORDER

- Model number (example: CRD92, CRDPC92)
- Specify gear ratio or tooth count from crown and pinion as well as bull and spur
- Fine vs. course spline on input shaft and output shaft
- Supplied with power divider lockout
- Four studs on rear of carrier for torque rod
- Axle spline count
- Single-hole or two-bolt style torque rod mount (top of carrier)

TANDEM AXLE - FRONT MODELS

- | | |
|-------|-------|
| • 92 | • 117 |
| • 95 | • 200 |
| • 112 | • 202 |

TANDEM AXLE - REAR MODELS

- | | |
|-------|-------|
| • 93 | • 118 |
| • 93A | • 201 |
| • 96 | • 203 |

INFORMATION REQUIRED TO ORDER

- Model number (example: 20145)
- Specify gear ratio or crown and pinion tooth count
- Axle spline count
- Open vs. limited slip/traction control
- Supplied with oil pump and filter (front tandem only)
- Power divider shaft number or spline count (front tandem only)
- Reverse air lockout (front tandem only)
- Supplied driver control differential lock axle shaft (rear tandem only)

TANDEM AXLE - FRONT MODELS

- | | |
|-------------|-------------|
| • 14X | • 26180/185 |
| • 17145 | • 29160 |
| • 20140 | • 29180/185 |
| • 20143 | • 24380 |
| • 20145 | • 26380 |
| • 22145 | • 29380 |
| • 23160 | • 35380 |
| • 23164 | • SQ100(P) |
| • 24180/185 | • SQHD |
| • 25160 | • SQHP |
| • 26160 | • SSHD |

TANDEM AXLE - REAR MODELS

- | | |
|----------|-------------|
| • 14X | • 24180/185 |
| • 17145 | • 26180/185 |
| • 20140 | • 29180/185 |
| • 20143 | • 24380 |
| • 20145 | • 26380 |
| • 20145M | • 29380 |
| • 22145 | • 35380 |
| • 23160 | • SQ100(P) |
| • 23164 | • SQHD |
| • 25160 | • SQHP |
| • 26160 | • SSHD |
| • 29160 | |

WARRANTY

WARRANTY

DEALER INSTALL		OVER THE COUNTER	
1ST YEAR	2ND YEAR	1ST YEAR	2ND YEAR
Parts and Labor	Parts and Labor (Flat Rate)	Parts and Labor (Flat Rate)	Parts Only

Alliance Parts remanufacturing partners warrant that differentials will be free of defects in material and workmanship for a period of 24 full months, unlimited mileage, with the following conditions and exclusions.

WARRANTY CONDITIONS

- Warranty covers complete units only, not partial components (e.g., auxiliary section of complete transmission or power divider assemblies)
- Warranty begins on date of sale, does not extend beyond the original expiry date and is not transferable from the intended first user
- This is the only warranty granted by Alliance and its remanufacturing partners. Any further allowances made or given are not binding on Alliance or its partners
- This warranty is in lieu of and excludes all other warranties, expressed or implied

WARRANTY EXCLUSIONS

- Warranty does not cover off-road applications (dump trucks, tractors with dump trailer, "Pit Trucks," etc.); off-road applications are warranted against defects in material and workmanship for 3 months
- Warranty does not cover oil seal failures, lack of lubrication, excessive heat, improper installation, shocks and spinout, driver error, towing or improperly installed PTO
- Warranty does not cover installation errors, downtime, towing or unauthorized repairs
- Action to dismantle or alter a unit that is suspect of a warranty adjustment, without written approval, voids all warranties
- Speedometer drive, driven gears and all spacers must be installed before yokes are fitted and nuts are torqued.
- Failure to install these items causes extensive damage and voids all warranties
- All differentials are supplied with new oil seals. Defective seals must be reported before yoke is installed. Damage to oil seals can be caused by improper yoke installation as well as speedy or "redi" sleeves)
- Air lines, valves, shift covers, two-speed motors, lockout assemblies, front and rear retainers, etc., vary and may be supplied when available. Cosmetically correct components are not guaranteed
- Speedometer drive, driven gears and all spacers must be installed before yokes are fitted and nuts are torqued. Failure to install these items voids all warranties
- Units are supplied dry fill with lubricant as specified by vehicle manufacturer

WARRANTY PROCESS

- At time of incident, call Alliance Parts for technical assistance
- If warrantable, Alliance Parts will issue a Warranty Return Authorization Identification (WRAID) and assist in replacement
- Any return without a WRAID will void the warranty. Replacement of any failed product with a competitor's product will void any warranty. Do NOT attempt to remove, disassemble or repair the product
- Have product serial number handy and immediately call Customer Care at 1-800-668-5560

3

CORE POLICY

VISUAL CORE INSPECTION POLICY

The remanufactured differential visual core inspection policy is designed to allow determinations about the value of the core credit to be expected.

All core returns are prepaid and require return paperwork. Return paperwork is emailed at time of order to the designated person and must be included with core shipment. This paperwork includes the pre-paid freight information needed to schedule shipment. Freight is prepaid to Reman Center, Plainfield, IN.

All Alliance dealers are asked to consolidate core return shipments in the most efficient and cost-effective manner possible. Consolidating into shipments of 800 lbs. or more can reduce costs substantially and allow more competitive prices.

Core eligibility is 12 months from date of purchase. Call Customer Care at 1-800-668-5560 with questions.

A basic overview of the core policy is provided below. Read the entire price list for core policy and warranty details.

VISUAL INSPECTION GUIDELINES

DAMAGE INSPECTION	EXPECTED CORE VALUE
Adjusting ring missing or blown out	50%
Has unit run out of oil?	0%
Visible crack in housing	50%
Visible bulge in housing	50%
Aluminum core (when steel replacement purchased)	50%

4

FREIGHT & RETURN POLICIES

FREIGHT POLICY

United States

Freight is prepaid for all differentials with no minimum order quantity.

Canada

Freight is prepaid and added for all differentials on all orders filled from the facing stocking locations. Customer may request shipping via a selected carrier – account number must be provided at time of order. Freight is prepaid on all orders filled from any other location other than the customer's nearest stocking location.

RETURN POLICY

United States

Returns are allowed with off-setting order and approval of Customer Care with issuance of RGA. Customer is responsible for freight to Plainfield, IN. Returns are subject to a restocking charge.

Canada

Returns are allowed with off-setting orders and approval of Customer Care with issuance of RGA. Customer is responsible for freight to Mississauga, ON. Returns are subject to a restocking charge.



————— FIND YOUR NEAREST LOCATION AT ALLIANCEPARTS.COM —————



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